

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111020\
 Data File : BF122293.D
 Acq On : 10 Nov 2020 12:17
 Operator : JU/CG
 Sample : L4214-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
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 11/11/2020 10:31:57 AM

Quant Time: Nov 10 13:15:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 10 13:10:47 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	292788	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	1050560	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	546213	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	983872	20.00	ng	0.00
76) Chrysene-d12	14.027	240	915757	20.00	ng	0.00
86) Perylene-d12	15.492	264	856507	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	2580231	135.32	ng	0.00
7) Phenol-d6	6.492	99	3290384	131.91	ng	0.00
23) Nitrobenzene-d5	7.434	82	2138812	124.64	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	899974	153.52	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	3482715	99.62	ng	0.00
79) Terphenyl-d14	12.980	244	4118253	95.27	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	71780	8.21	ng	94
3) Pyridine	3.428	79	196091	8.15	ng	90
4) n-Nitrosodimethylamine	3.322	42	91899	8.11	ng	99
6) Aniline	6.534	93	275643	8.42	ng	97
8) 2-Chlorophenol	6.651	128	170627	8.63	ng	93
9) Benzaldehyde	6.416	77	148204	10.54	ng	99
10) Phenol	6.504	94	206611m	8.41	ng	
11) bis(2-Chloroethyl)ether	6.604	93	167618	8.58	ng	94
12) 1,3-Dichlorobenzene	6.810	146	195872	8.73	ng	96
13) 1,4-Dichlorobenzene	6.887	146	199479	8.85	ng	97
14) 1,2-Dichlorobenzene	7.039	146	184822	8.78	ng	99
15) Benzyl Alcohol	6.998	79	141769	7.99	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	243901	8.57	ng	98
17) 2-Methylphenol	7.104	107	140276	8.50	ng	98
18) Hexachloroethane	7.381	117	68463	8.72	ng	98
19) n-Nitroso-di-n-propyla...	7.275	70	129196	8.67	ng	96
20) 3+4-Methylphenols	7.257	107	181788	8.95	ng	# 65
22) Acetophenone	7.269	105	252121	9.21	ng	# 88
24) Nitrobenzene	7.445	77	191706	9.76	ng	99
25) Isophorone	7.681	82	335970	8.78	ng	99
26) 2-Nitrophenol	7.763	139	58156	8.78	ng	97
27) 2,4-Dimethylphenol	7.792	122	168376	9.33	ng	97
28) bis(2-Chloroethoxy)met...	7.892	93	211015	9.02	ng	99
29) 2,4-Dichlorophenol	7.998	162	138539	8.67	ng	97
30) 1,2,4-Trichlorobenzene	8.092	180	157785	8.95	ng	97
31) Naphthalene	8.169	128	516142	9.24	ng	100
32) Benzoic acid	7.851	122	43499	5.34	ng	98
33) 4-Chloroaniline	8.216	127	213690	8.78	ng	96
34) Hexachlorobutadiene	8.292	225	92364	9.11	ng	97
35) Caprolactam	8.545	113	43173	8.53	ng	96
36) 4-Chloro-3-methylphenol	8.686	107	144182	8.65	ng	90
37) 2-Methylnaphthalene	8.863	142	340492	9.23	ng	99
38) 1-Methylnaphthalene	8.963	142	315552	9.14	ng	97
40) 1,2,4,5-Tetrachloroben...	9.028	216	153957	9.15	ng	99
41) Hexachlorocyclopentadiene	9.022	237	84491	8.59	ng	98
43) 2,4,6-Trichlorophenol	9.133	196	96352	8.81	ng	96

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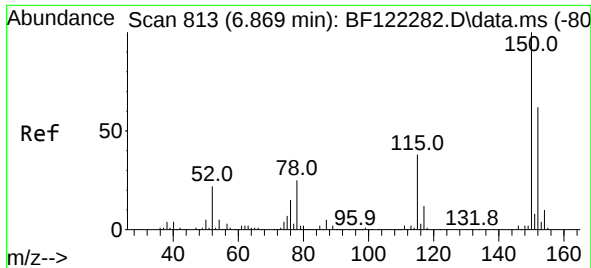
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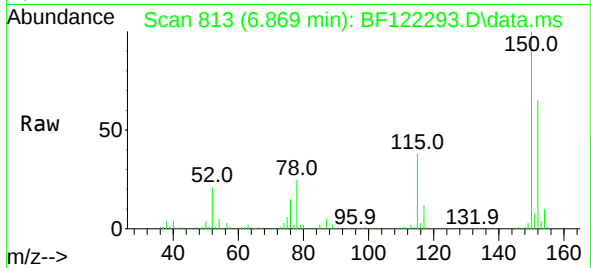
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	99849	8.71	ng	98
46) 1,1'-Biphenyl	9.328	154	415207	9.55	ng	97
47) 2-Chloronaphthalene	9.351	162	320801	9.30	ng	97
48) 2-Nitroaniline	9.439	65	80134	9.46	ng	93
49) Acenaphthylene	9.763	152	488996	9.22	ng	100
50) Dimethylphthalate	9.622	163	358582	9.24	ng	99
51) 2,6-Dinitrotoluene	9.680	165	69848	9.30	ng	91
52) Acenaphthene	9.939	154	302329	9.21	ng	98
53) 3-Nitroaniline	9.845	138	77464	8.94	ng	98
54) 2,4-Dinitrophenol	9.945	184	12940	5.64	ng	# 1
55) Dibenzofuran	10.110	168	445603	9.26	ng	98
56) 4-Nitrophenol	9.986	139	59330	8.01	ng	86
57) 2,4-Dinitrotoluene	10.080	165	82891	9.13	ng	# 87
58) Fluorene	10.451	166	356386	9.68	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.222	232	84996	8.92	ng	97
60) Diethylphthalate	10.322	149	351105	9.22	ng	98
61) 4-Chlorophenyl-phenyle...	10.445	204	165871	9.54	ng	96
62) 4-Nitroaniline	10.451	138	77069	9.03	ng	97
63) Azobenzene	10.604	77	370197	9.26	ng	98
65) 4,6-Dinitro-2-methylph...	10.486	198	22378	5.99	ng	96
66) n-Nitrosodiphenylamine	10.563	169	309565	9.23	ng	95
67) 4-Bromophenyl-phenylether	10.933	248	105426	9.12	ng	97
68) Hexachlorobenzene	10.998	284	113570	9.09	ng	97
69) Atrazine	11.080	200	85684	10.26	ng	98
70) Pentachlorophenol	11.186	266	56508	7.85	ng	98
71) Phenanthrene	11.410	178	535137	9.59	ng	99
72) Anthracene	11.463	178	545456	9.48	ng	99
73) Carbazole	11.610	167	488030	9.32	ng	99
74) Di-n-butylphthalate	11.951	149	519279	9.31	ng	99
75) Fluoranthene	12.598	202	542739	9.31	ng	97
77) Benzidine	12.716	184	274643	10.81	ng	96
78) Pyrene	12.827	202	573136	8.91	ng	98
80) Butylbenzylphthalate	13.451	149	187732	8.12	ng	96
81) Benzo(a)anthracene	14.015	228	531121	9.33	ng	98
82) 3,3'-Dichlorobenzidine	13.974	252	184530	8.69	ng	97
83) Chrysene	14.051	228	515085	8.98	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	274274	8.84	ng	98
85) Di-n-octyl phthalate	14.627	149	423041	8.05	ng	99
87) Indeno(1,2,3-cd)pyrene	16.945	276	438104	8.52	ng	99
88) Benzo(b)fluoranthene	15.062	252	482251	8.69	ng	97
89) Benzo(k)fluoranthene	15.092	252	483158	8.93	ng	99
90) Benzo(a)pyrene	15.427	252	417622	8.64	ng	99
91) Dibenzo(a,h)anthracene	16.962	278	373902	8.69	ng	98
92) Benzo(g,h,i)perylene	17.380	276	353053	8.43	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.869 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: BF122293.D
 Acq: 10 Nov 2020 12:17

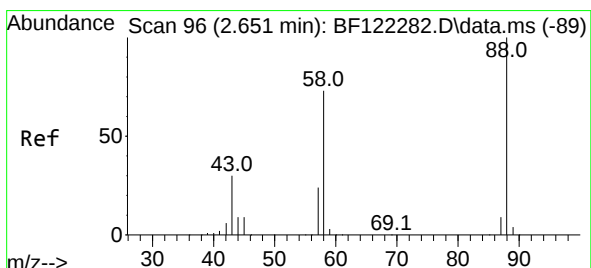
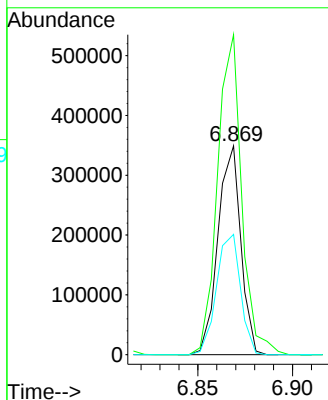
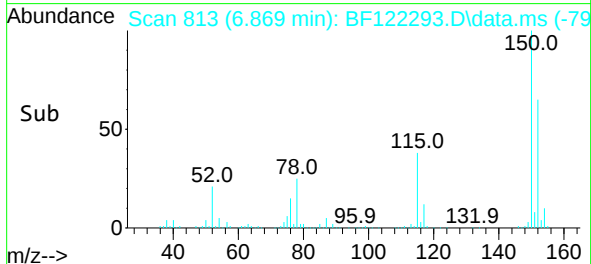
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020



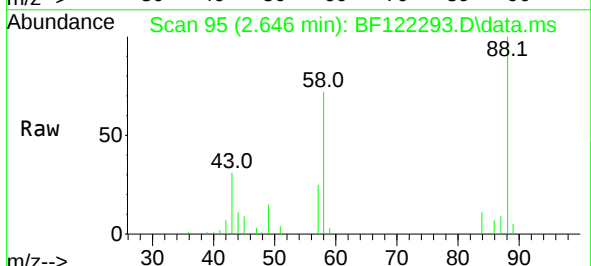
Tgt Ion:152 Resp: 292788
 Ion Ratio Lower Upper
 152 100
 150 153.2 125.3 187.9
 115 57.6 51.9 77.9

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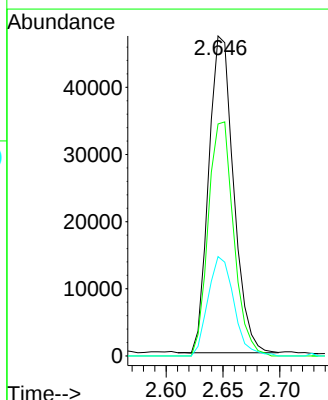
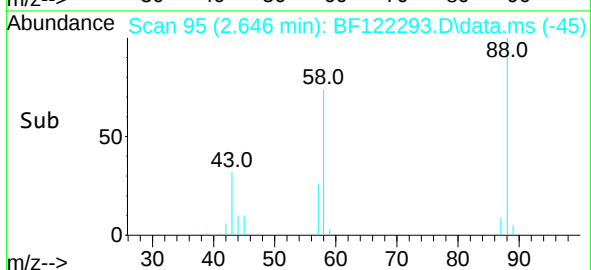
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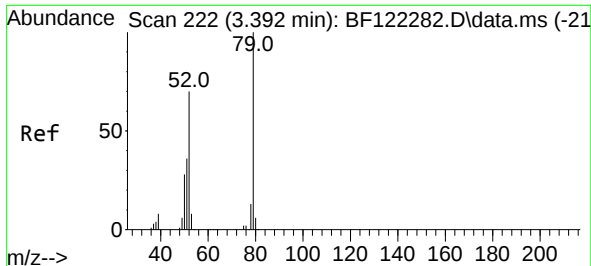


#2
 1,4-Dioxane
 Concen: 8.21 ng
 RT: 2.646 min Scan# 95
 Delta R.T. -0.006 min
 Lab File: BF122293.D
 Acq: 10 Nov 2020 12:17

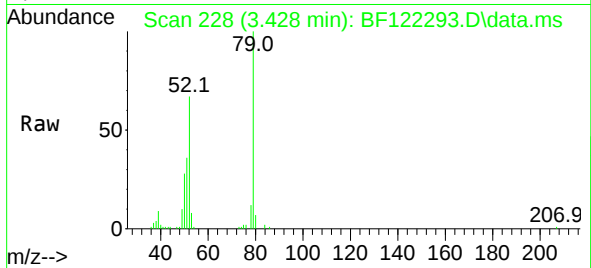


Tgt Ion: 88 Resp: 71780
 Ion Ratio Lower Upper
 88 100
 58 75.6 65.8 98.8
 43 32.6 25.8 38.8

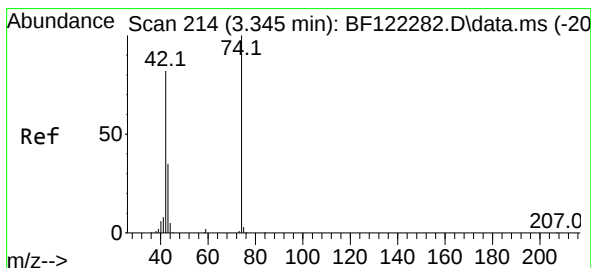
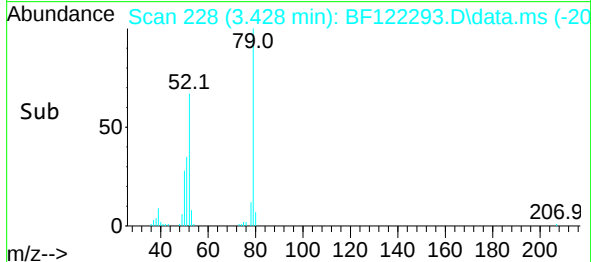
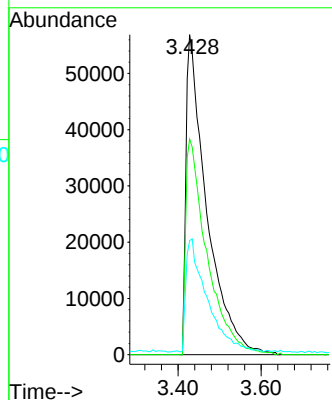




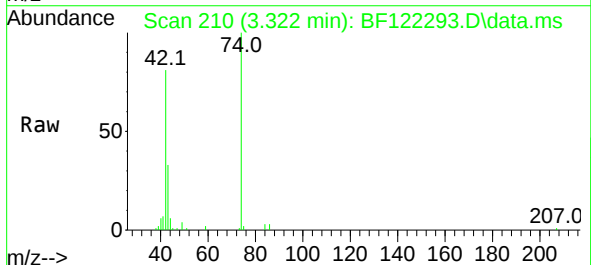
#3
Pyridine
Concen: 8.15 ng
RT: 3.428 min Scan# 228
Delta R.T. 0.036 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



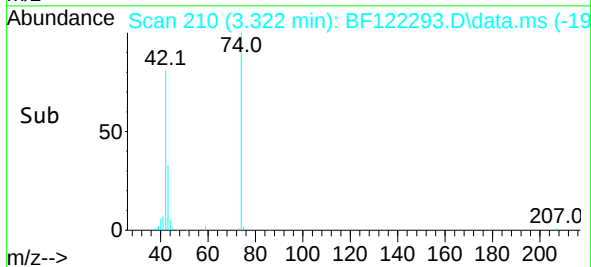
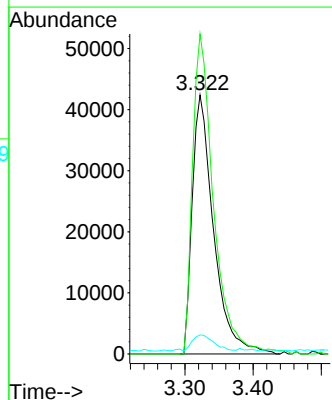
Tgt Ion: 79 Resp: 196091
Ion Ratio Lower Upper
79 100
52 67.4 62.2 93.4
51 35.6 31.1 46.7



#4
n-Nitrosodimethylamine
Concen: 8.11 ng
RT: 3.322 min Scan# 210
Delta R.T. -0.023 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



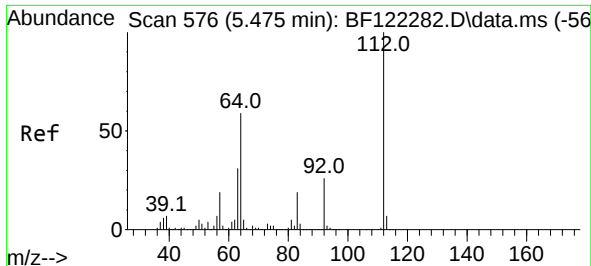
Tgt Ion: 42 Resp: 91899
Ion Ratio Lower Upper
42 100
74 123.6 100.2 150.2
44 7.4 5.8 8.6



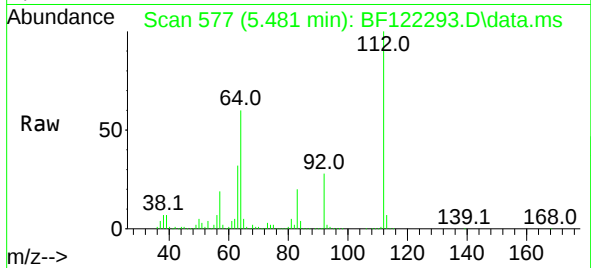
Instrument :
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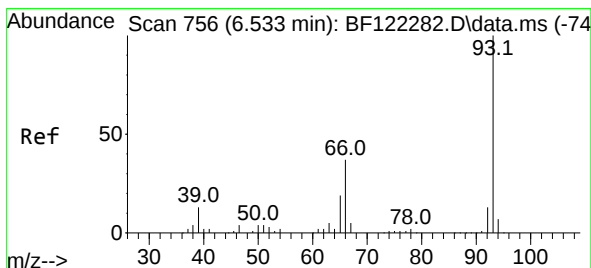
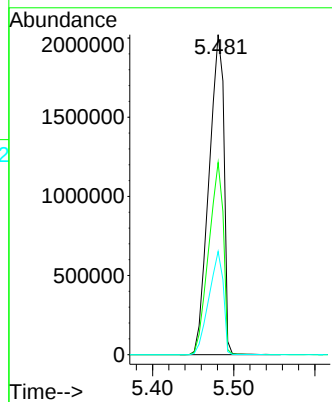
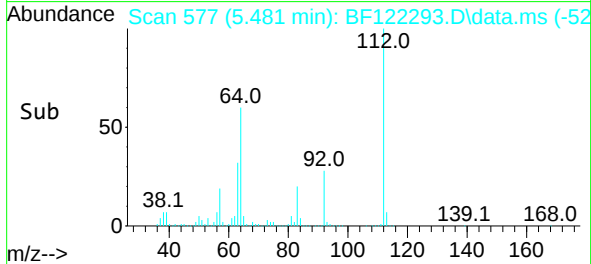


#5
2-Fluorophenol
Concen: 135.32 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

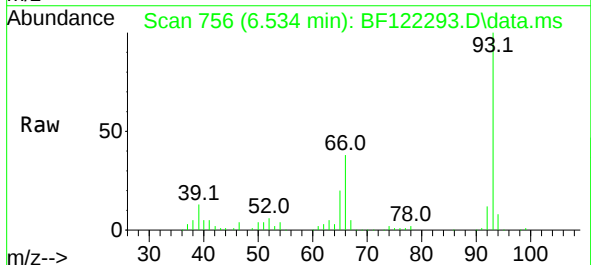


Tgt Ion: 112 Resp: 2580231

Ion	Ratio	Lower	Upper
112	100		
64	60.0	50.4	75.6
63	32.3	25.8	38.6

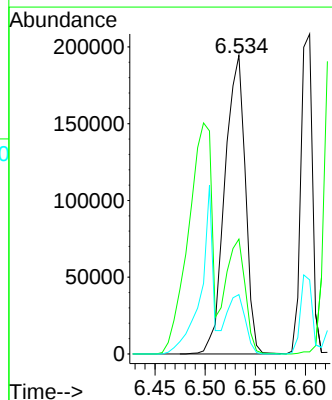
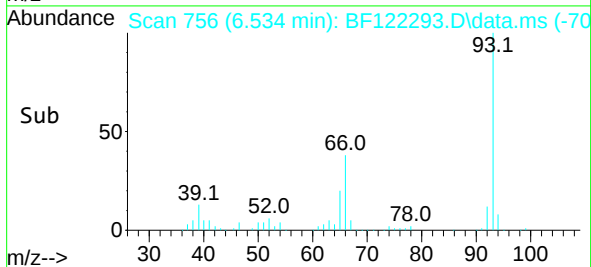


#6
Aniline
Concen: 8.42 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



Tgt Ion: 93 Resp: 275643

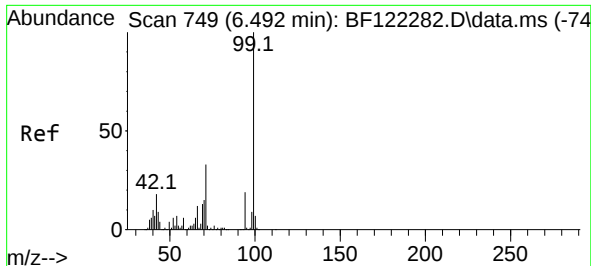
Ion	Ratio	Lower	Upper
93	100		
66	38.5	32.7	49.1
65	19.9	16.6	24.8



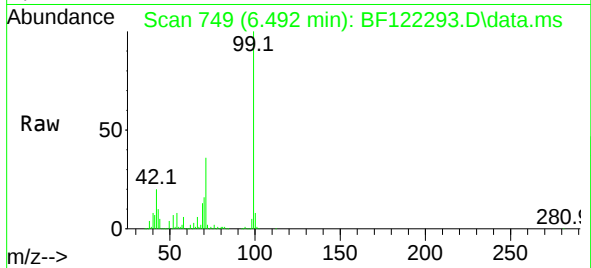
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ClientSampleId :
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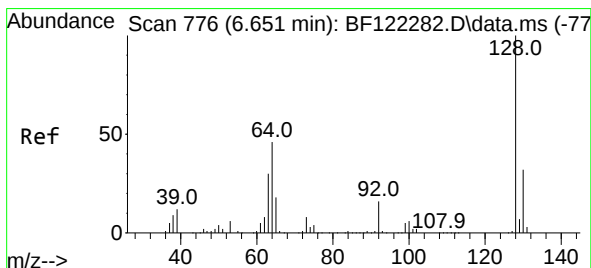
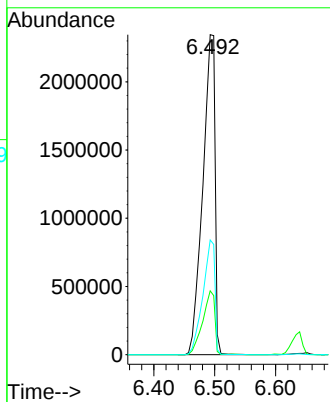
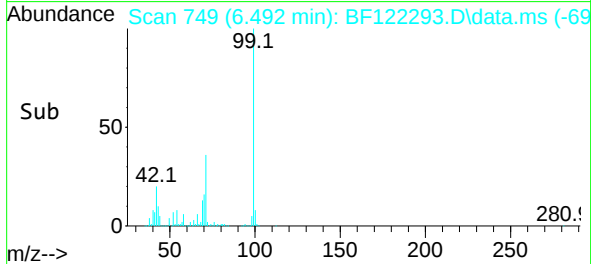


#7
Phenol-d6
Concen: 131.91 ng
RT: 6.492 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

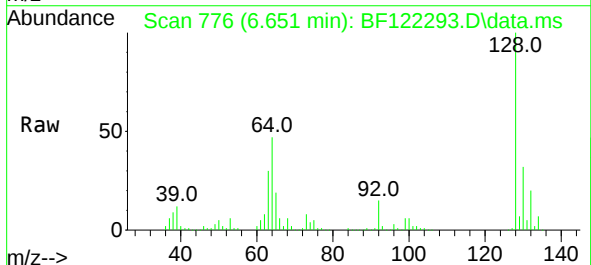


Tgt Ion: 99 Resp: 3290384

Ion	Ratio	Lower	Upper
99	100		
42	20.0	15.9	23.9
71	35.9	27.1	40.7

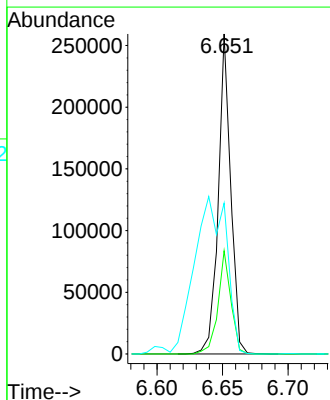
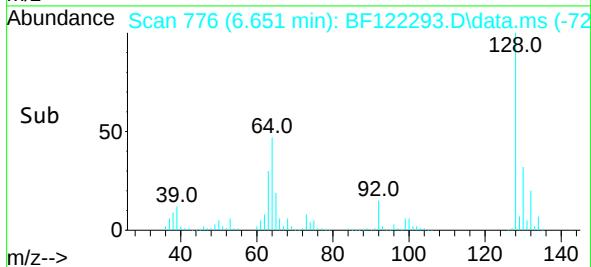


#8
2-Chlorophenol
Concen: 8.63 ng
RT: 6.651 min Scan# 776
Delta R.T. 0.000 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



Tgt Ion: 128 Resp: 170627

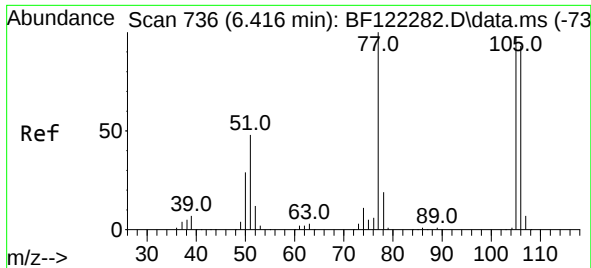
Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.4	52.4
64	47.1	34.8	74.8



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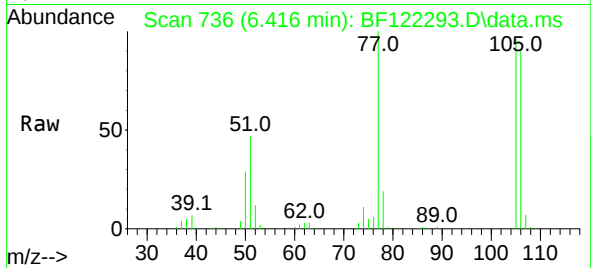
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#9
Benzaldehyde
Concen: 10.54 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

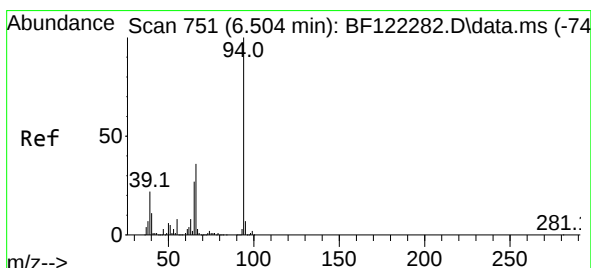
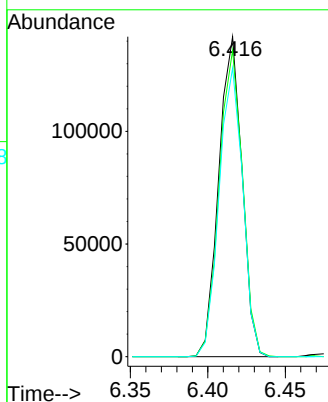
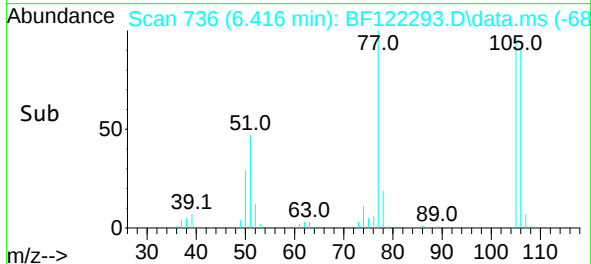
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BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



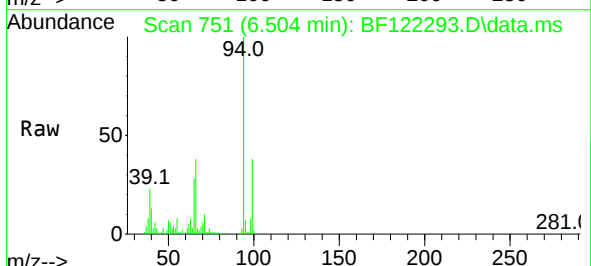
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Ion Ratio Lower Upper
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105 95.8 76.7 116.7
106 90.2 71.3 111.3

Manual Integrations
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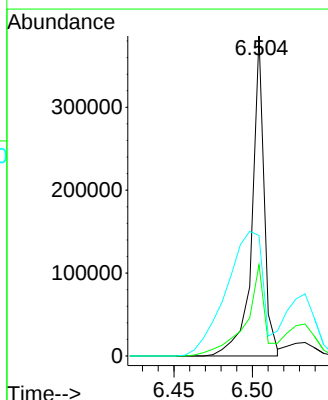
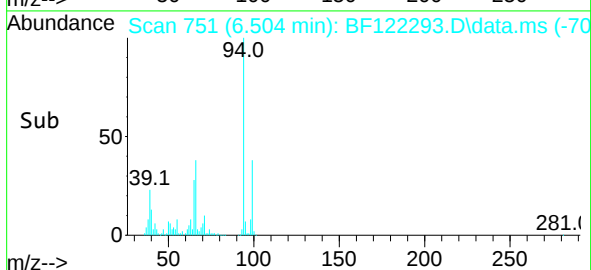
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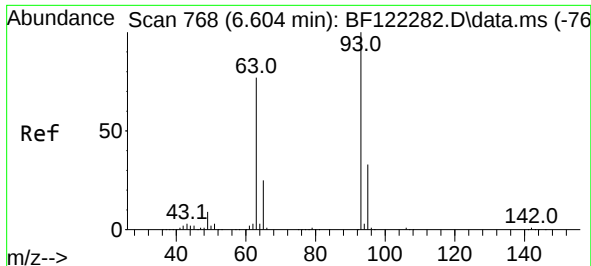


#10
Phenol
Concen: 8.41 ng m
RT: 6.504 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



Tgt Ion: 94 Resp: 206611
Ion Ratio Lower Upper
94 100
65 28.5 17.1 57.1
66 37.6 36.0 76.0





#11

bis(2-Chloroethyl)ether

Concen: 8.58 ng

RT: 6.604 min Scan# 768

Delta R.T. 0.000 min

Lab File: BF122293.D

Acq: 10 Nov 2020 12:17

Tgt Ion:	93	Resp:	167618
Ion	Ratio	Lower	Upper
93	100		
63	74.8	62.4	102.4
95	33.5	12.6	52.6

Instrument :

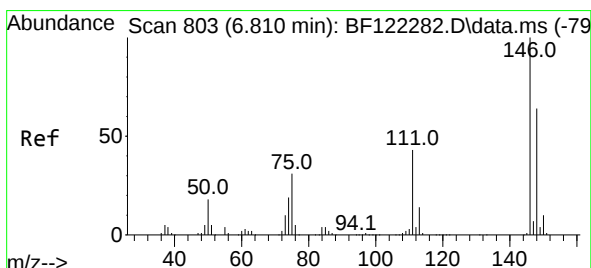
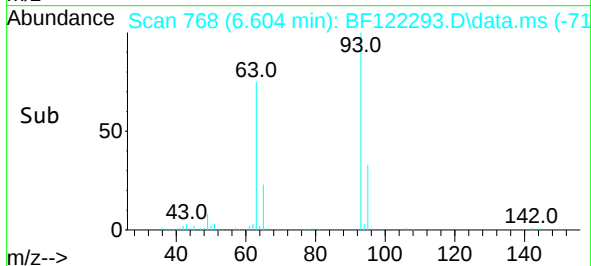
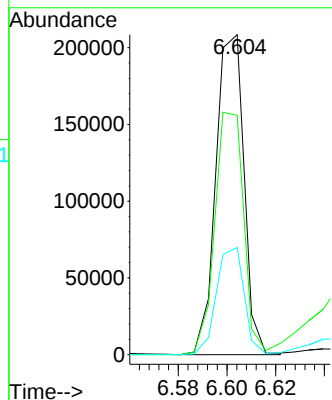
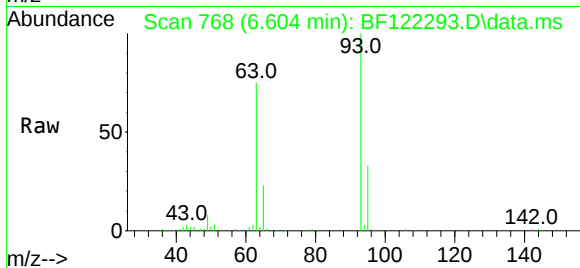
BNA_F

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#12

1,3-Dichlorobenzene

Concen: 8.73 ng

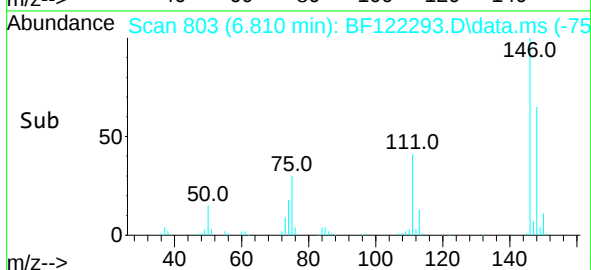
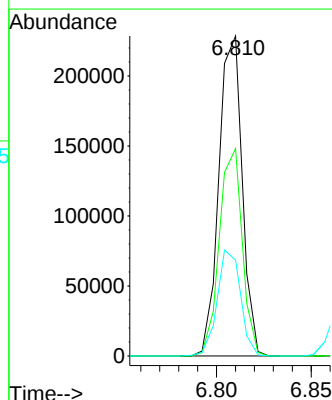
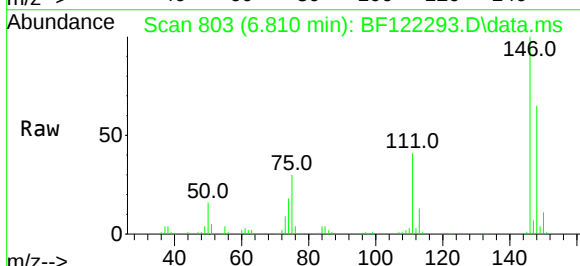
RT: 6.810 min Scan# 803

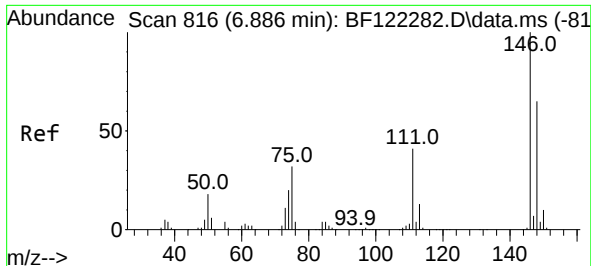
Delta R.T. 0.000 min

Lab File: BF122293.D

Acq: 10 Nov 2020 12:17

Tgt Ion:	146	Resp:	195872
Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.0	76.4
75	29.9	27.6	41.4





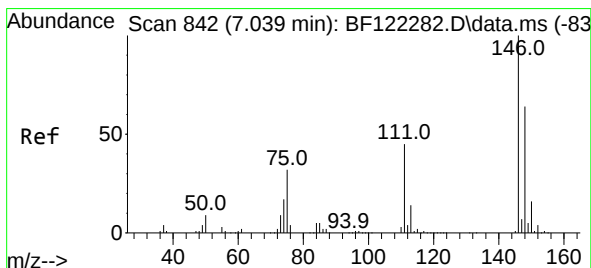
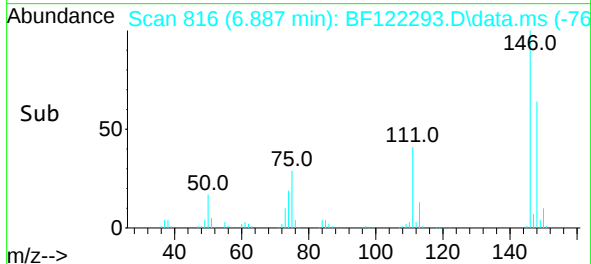
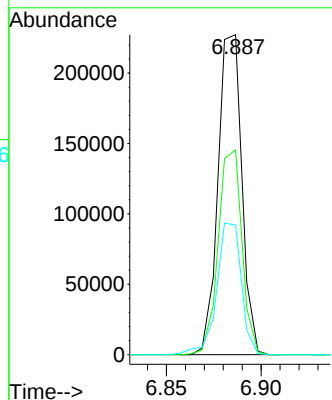
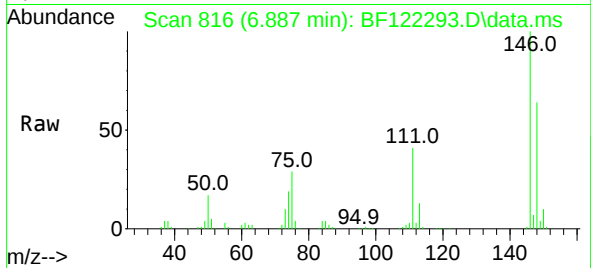
#13
1,4-Dichlorobenzene
Concen: 8.85 ng
RT: 6.887 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:146 Resp: 199479
Ion Ratio Lower Upper
146 100
148 64.0 50.1 75.1
111 40.5 34.6 52.0

Instrument :
BNA_F
ClientSampleId :
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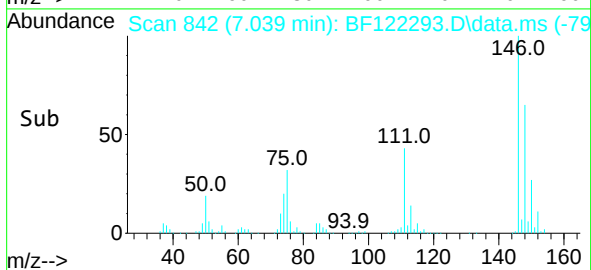
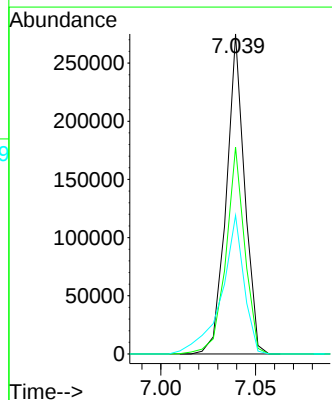
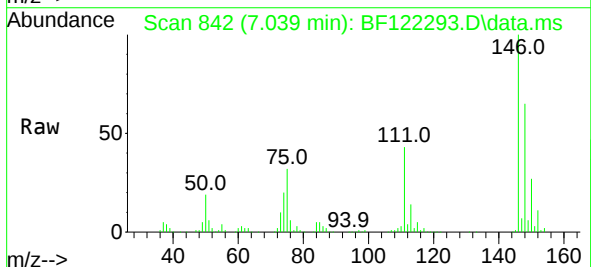
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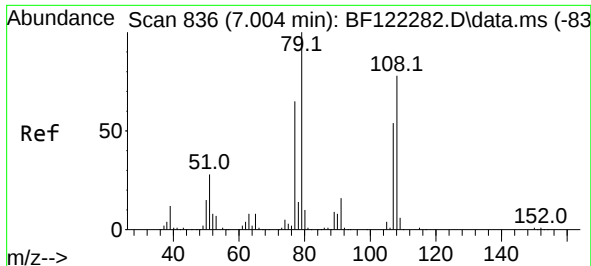
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#14
1,2-Dichlorobenzene
Concen: 8.78 ng
RT: 7.039 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:146 Resp: 184822
Ion Ratio Lower Upper
146 100
148 64.7 51.1 76.7
111 43.3 34.2 51.4





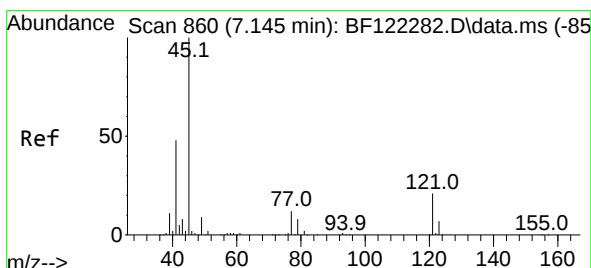
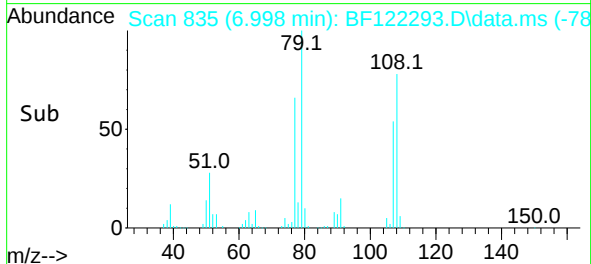
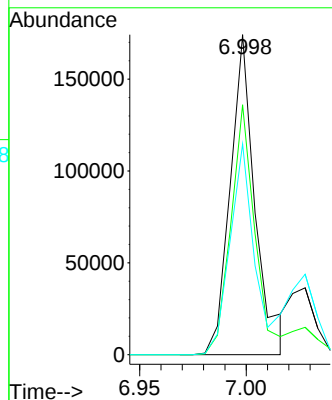
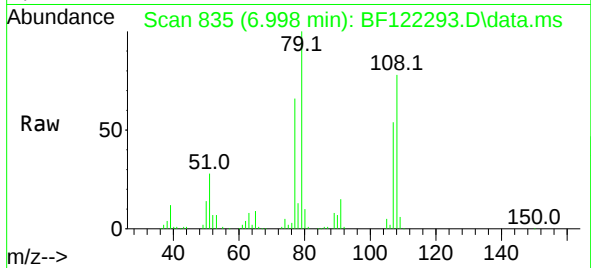
#15
Benzyl Alcohol
Concen: 7.99 ng
RT: 6.998 min Scan# 835
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion: 79 Resp: 141769
Ion Ratio Lower Upper
79 100
108 78.1 62.3 93.5
77 65.9 50.6 75.8

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

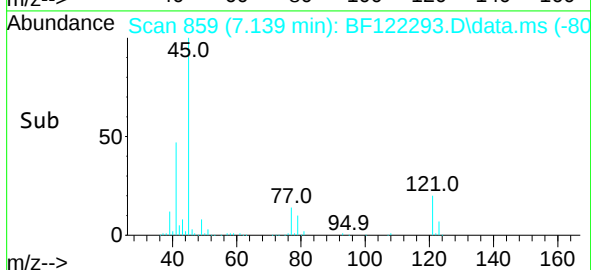
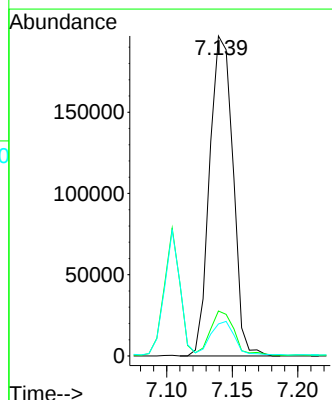
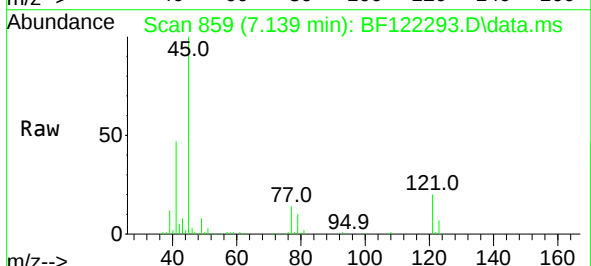
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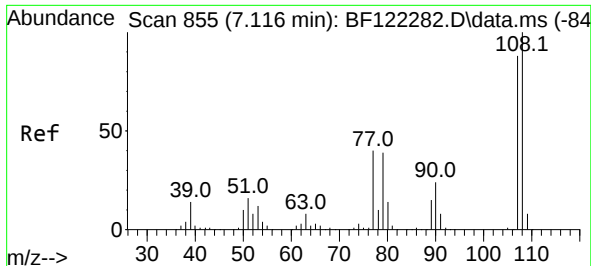
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.57 ng
RT: 7.139 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion: 45 Resp: 243901
Ion Ratio Lower Upper
45 100
77 14.1 0.0 33.3
79 10.0 0.0 30.4





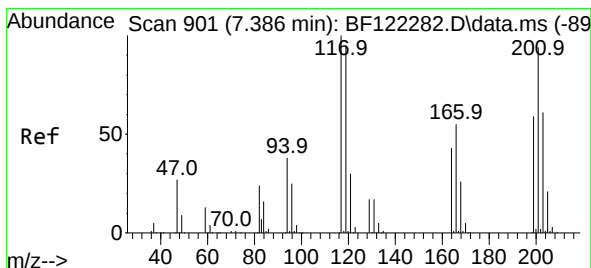
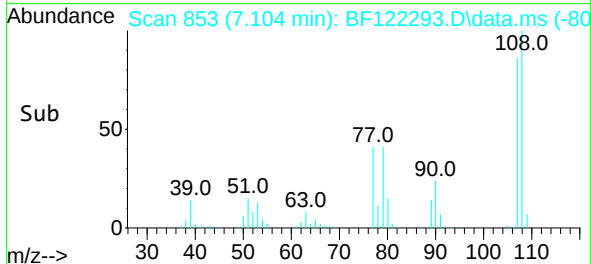
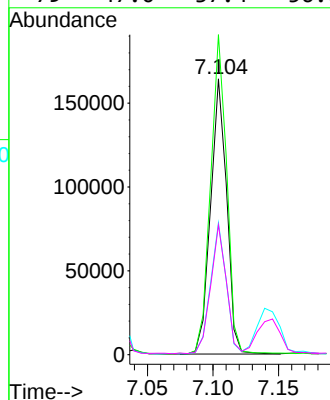
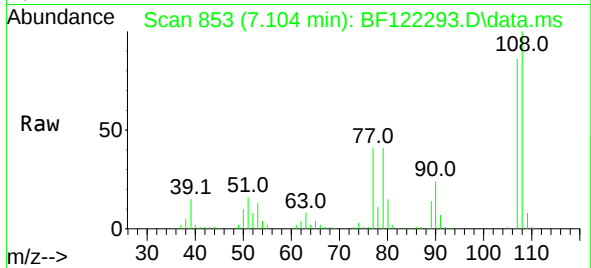
#17
2-Methylphenol
Concen: 8.50 ng
RT: 7.104 min Scan# 853
Delta R.T. -0.011 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:	107	Resp:	140276
Ion	Ratio	Lower	Upper
107	100		
108	116.0	90.9	136.3
77	47.8	37.5	56.3
79	47.0	37.4	56.0

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

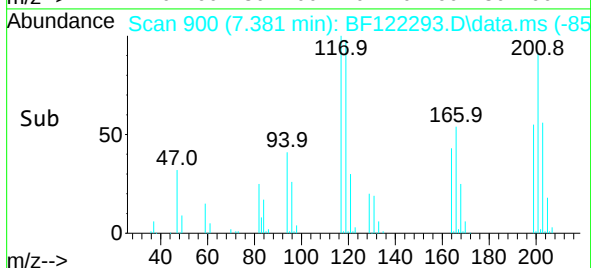
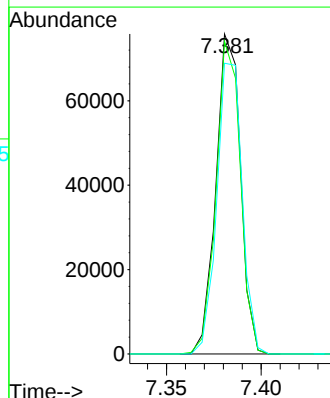
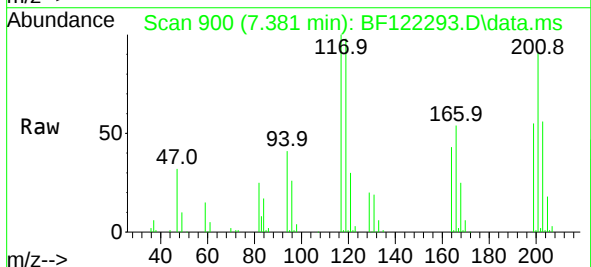
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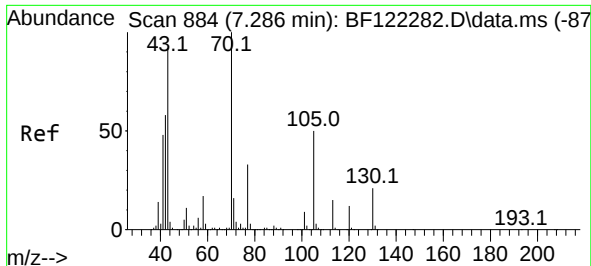
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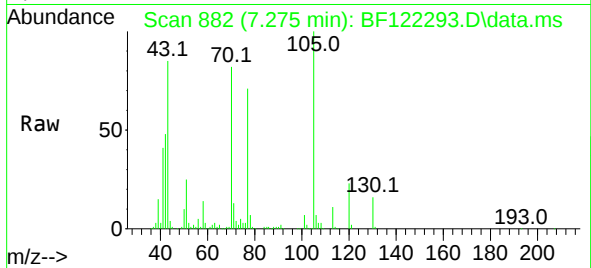
#18
Hexachloroethane
Concen: 8.72 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:	117	Resp:	68463
Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.3	114.5
201	90.8	71.8	107.6

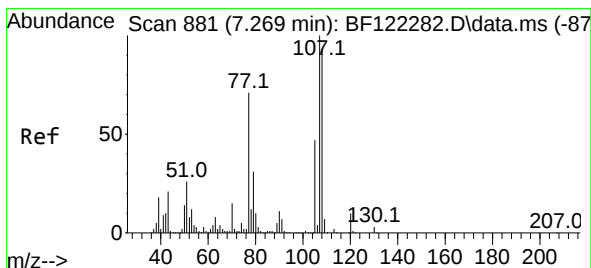
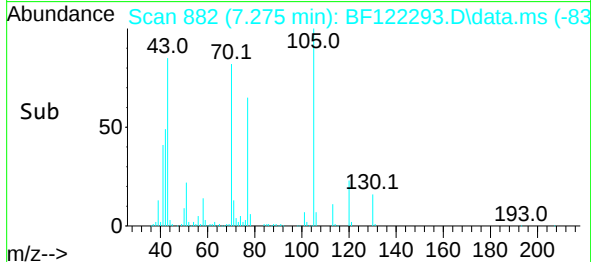
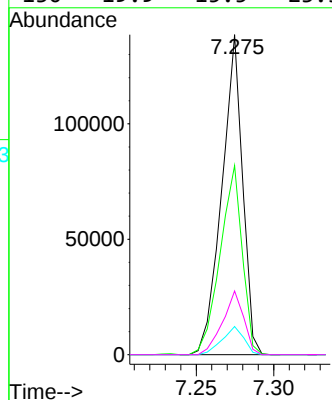




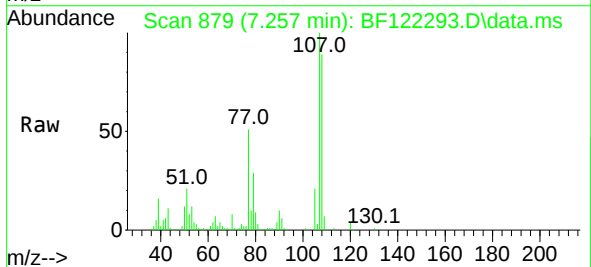
#19
n-Nitroso-di-n-propylamine
Concen: 8.67 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.011 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



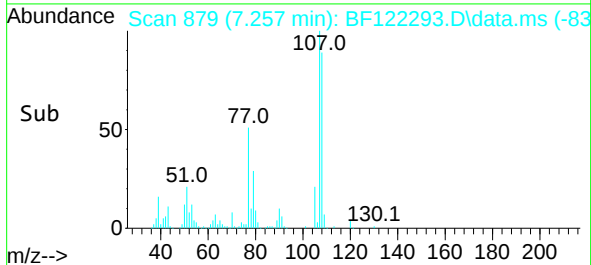
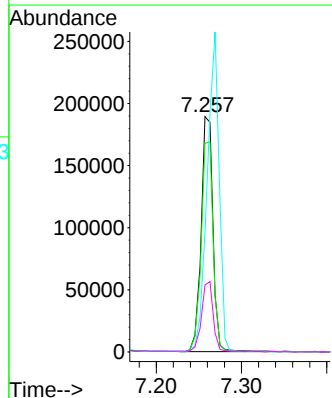
Tgt Ion:	70	Resp:	129196
Ion Ratio	Lower	Upper	
70	100		
42	59.1	50.2	75.4
101	8.8	7.5	11.3
130	19.9	15.5	23.3



#20
3+4-Methylphenols
Concen: 8.95 ng
RT: 7.257 min Scan# 879
Delta R.T. -0.011 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



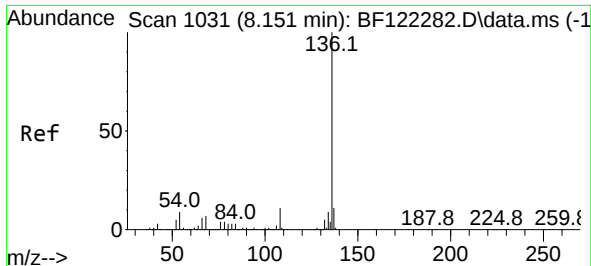
Tgt Ion:	107	Resp:	181788
Ion Ratio	Lower	Upper	
107	100		
108	88.6	68.9	108.9
77	50.8	108.0	148.0#
79	28.5	10.5	50.5



Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

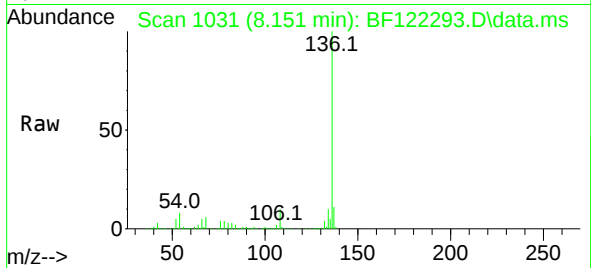
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

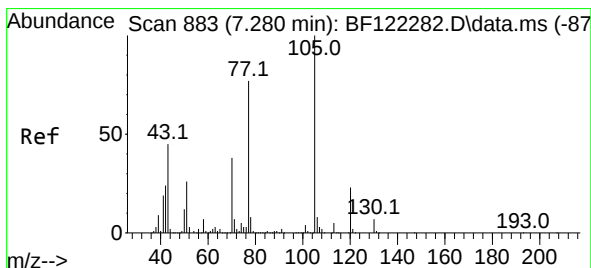
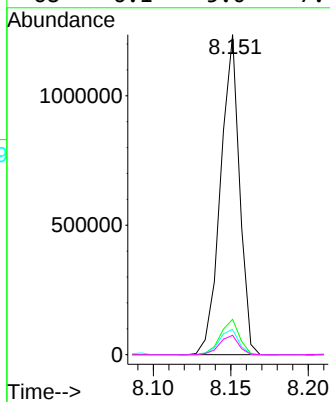
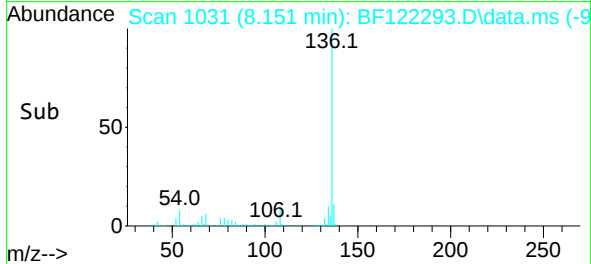
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



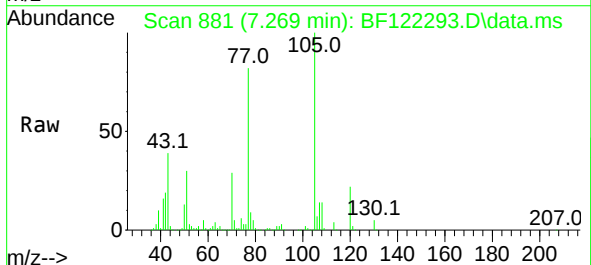
Tgt Ion:136 Resp: 1050560
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.9 7.1 10.7
68 6.1 5.0 7.4

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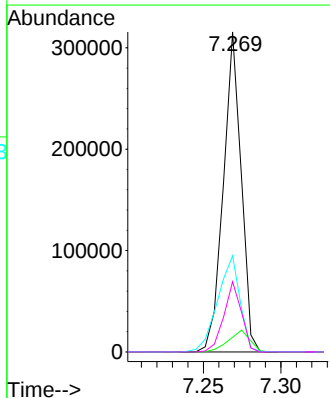
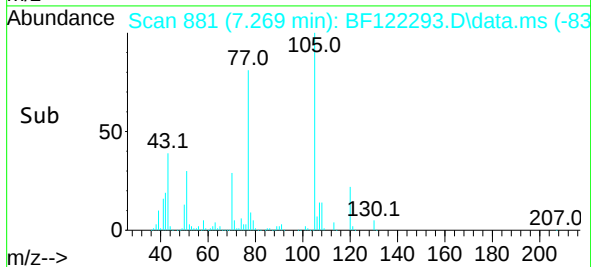
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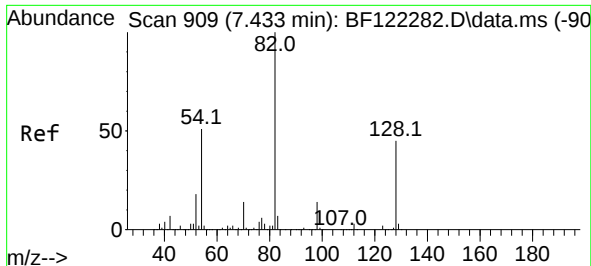


#22
Acetophenone
Concen: 9.21 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.011 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



Tgt Ion:105 Resp: 252121
Ion Ratio Lower Upper
105 100
71 4.6 5.3 7.9#
51 30.1 33.2 49.8#
120 21.9 17.4 26.0





#23

Nitrobenzene-d5

Concen: 124.64 ng

RT: 7.434 min Scan# 909

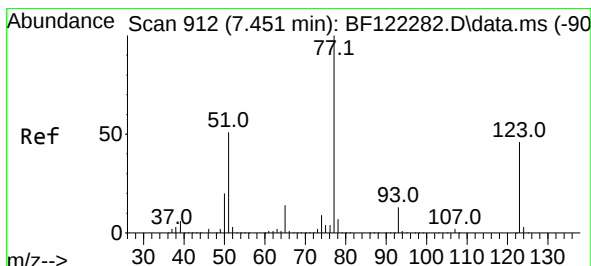
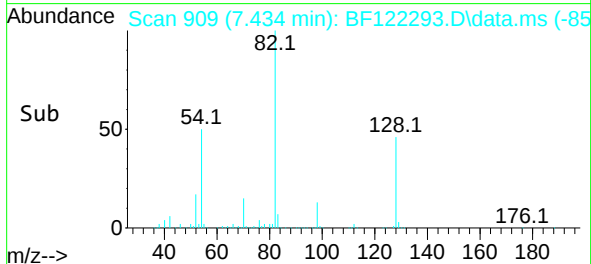
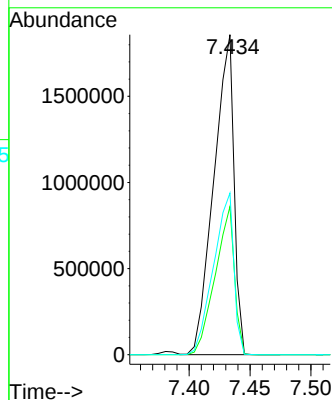
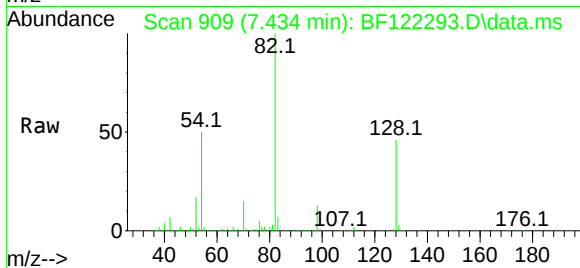
Delta R.T. 0.000 min

Lab File: BF122293.D

Acq: 10 Nov 2020 12:17

Tgt Ion: 82 Resp: 2138812

Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.0	52.4
54	50.5	43.9	65.9



#24

Nitrobenzene

Concen: 9.76 ng

RT: 7.445 min Scan# 911

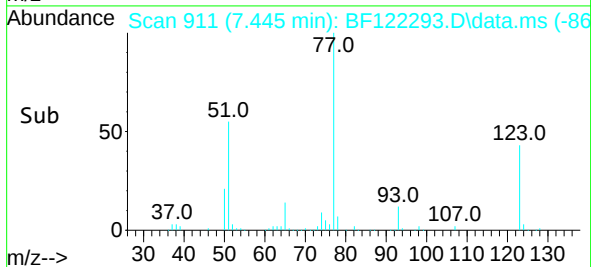
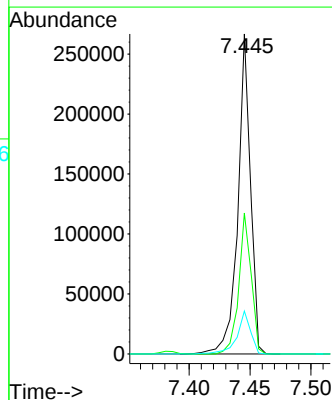
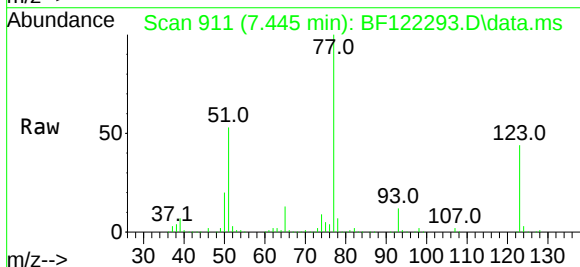
Delta R.T. -0.006 min

Lab File: BF122293.D

Acq: 10 Nov 2020 12:17

Tgt Ion: 77 Resp: 191706

Ion	Ratio	Lower	Upper
77	100		
123	44.0	35.6	53.4
65	13.4	11.2	16.8



Instrument :

BNA_F

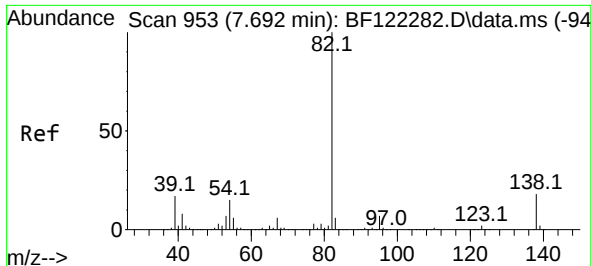
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LOD-MDL-SOIL-01-QT4-2020

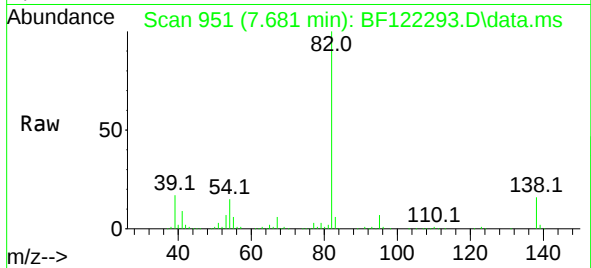
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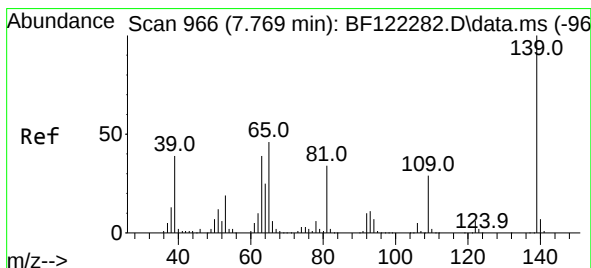
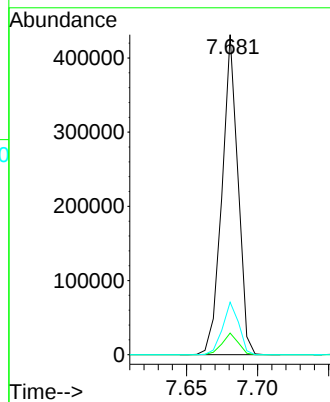
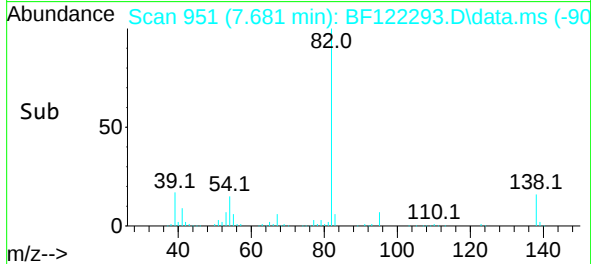
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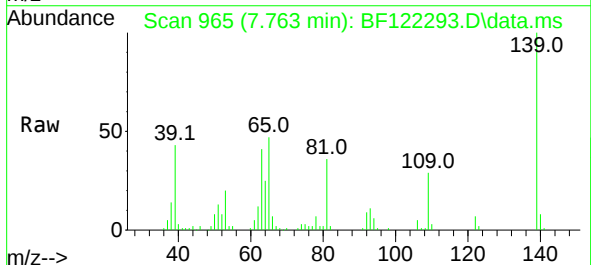
#25
Isophorone
Concen: 8.78 ng
RT: 7.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



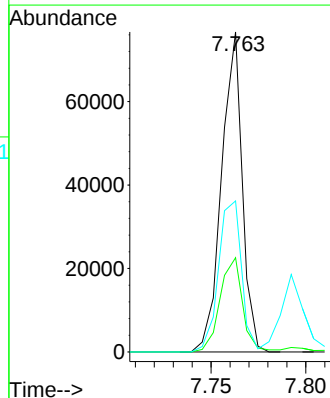
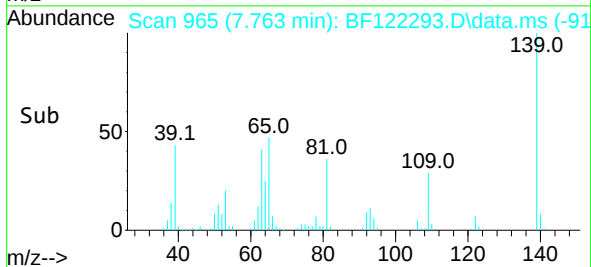
Tgt Ion: 82 Resp: 335970
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 16.4 13.4 20.0



#26
2-Nitrophenol
Concen: 8.78 ng
RT: 7.763 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



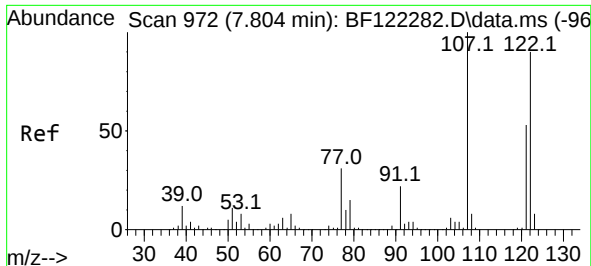
Tgt Ion: 139 Resp: 58156
Ion Ratio Lower Upper
139 100
109 29.5 23.0 34.4
65 47.2 39.9 59.9



Instrument :
BNA_F
ClientSampleId :
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#27

2,4-Dimethylphenol

Concen: 9.33 ng

RT: 7.792 min Scan# 970

Delta R.T. -0.012 min

Lab File: BF122293.D

Acq: 10 Nov 2020 12:17

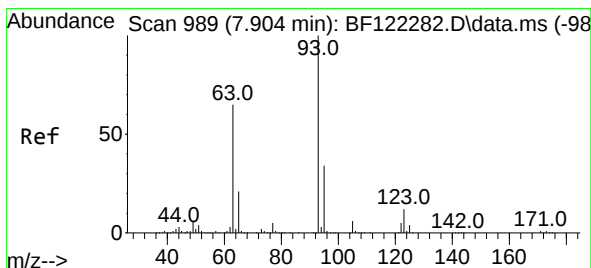
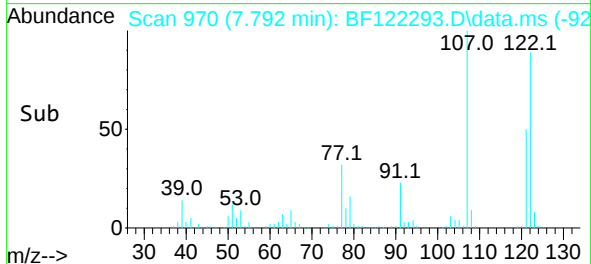
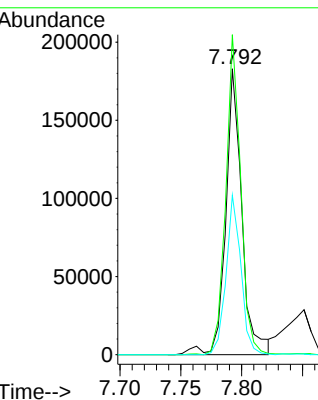
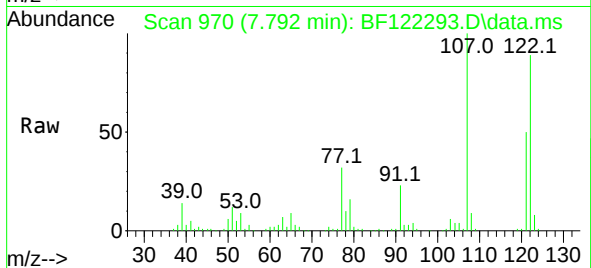
Tgt Ion: 122 Resp: 168376

Ion Ratio Lower Upper

122 100

107 111.9 90.8 136.2

121 55.7 47.5 71.3



#28

bis(2-Chloroethoxy)methane

Concen: 9.02 ng

RT: 7.892 min Scan# 987

Delta R.T. -0.011 min

Lab File: BF122293.D

Acq: 10 Nov 2020 12:17

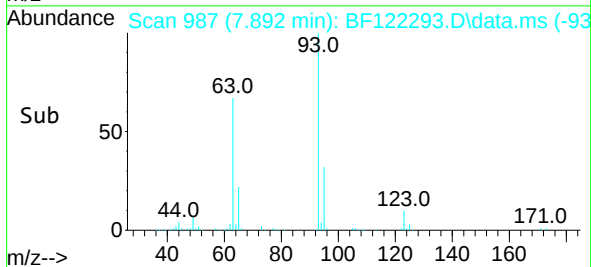
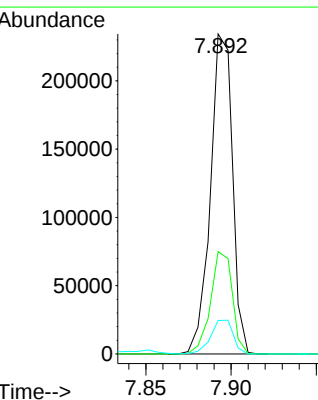
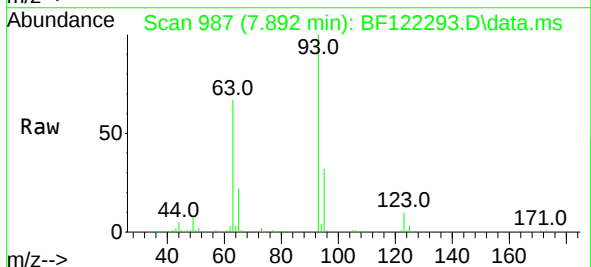
Tgt Ion: 93 Resp: 211015

Ion Ratio Lower Upper

93 100

95 32.0 26.2 39.4

123 10.5 8.8 13.2



Instrument :

BNA_F

ClientSampleId :

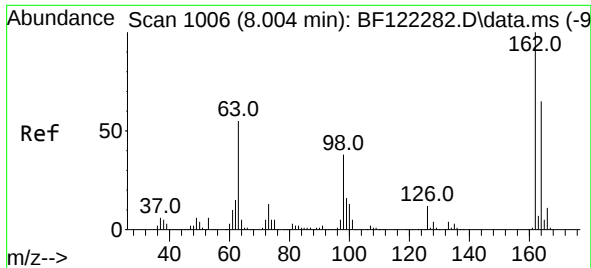
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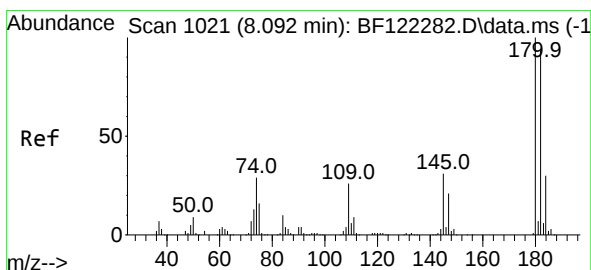
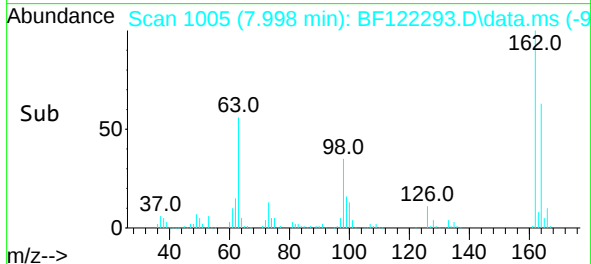
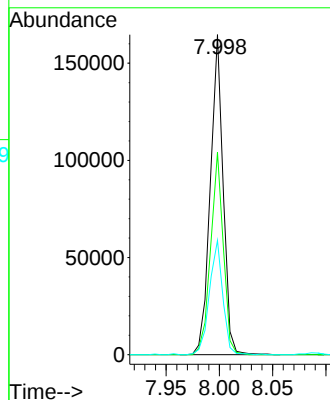
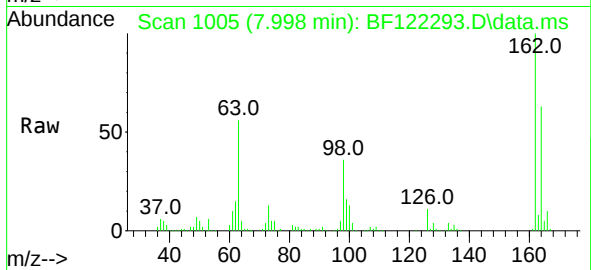
#29
2,4-Dichlorophenol
Concen: 8.67 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:162 Resp: 138539
Ion Ratio Lower Upper
162 100
164 63.3 42.5 82.5
98 35.7 20.1 60.1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

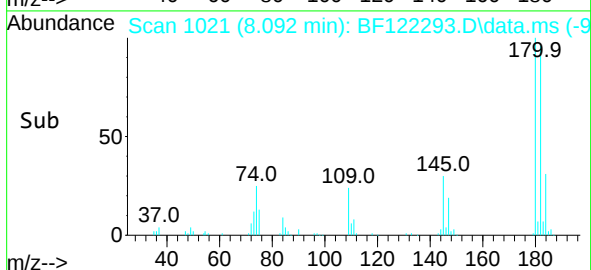
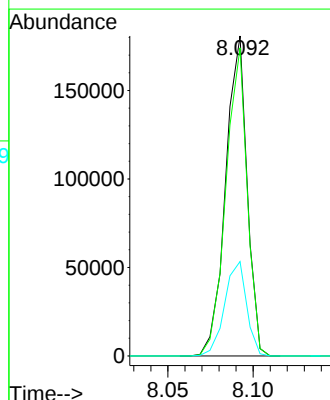
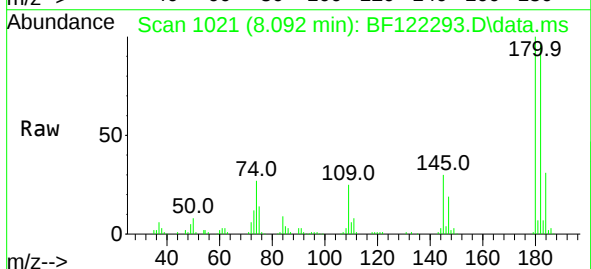
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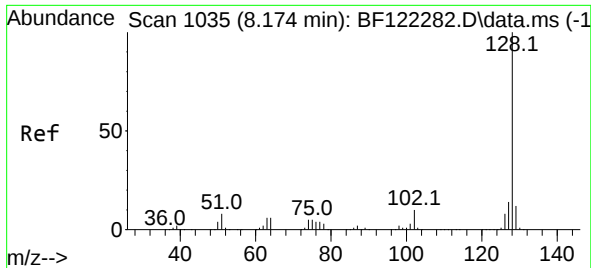
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#30
1,2,4-Trichlorobenzene
Concen: 8.95 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:180 Resp: 157785
Ion Ratio Lower Upper
180 100
182 96.3 79.4 119.2
145 29.5 25.5 38.3





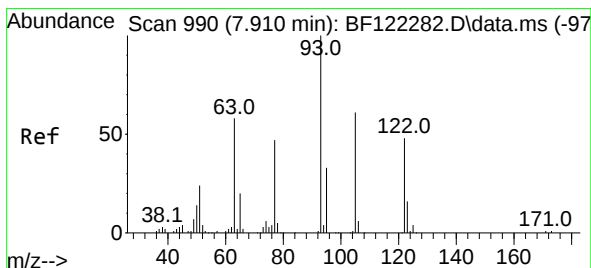
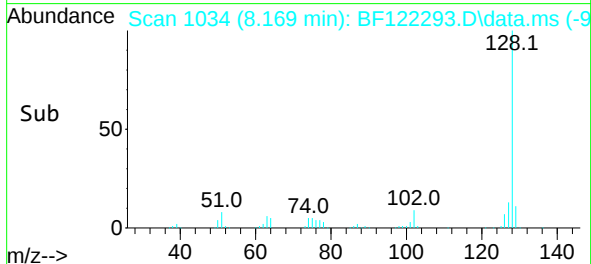
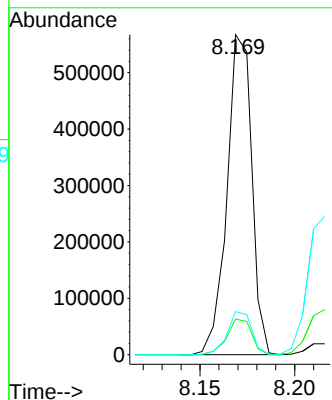
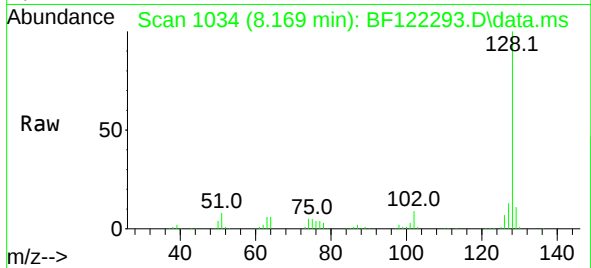
#31
Naphthalene
Concen: 9.24 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:128 Resp: 516142
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.4 10.8 16.2

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

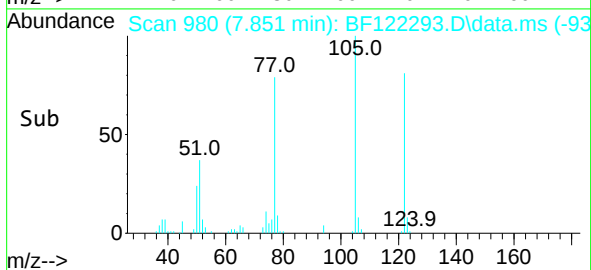
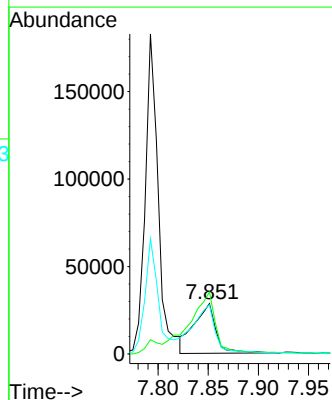
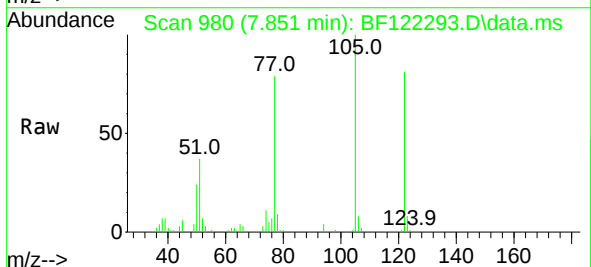
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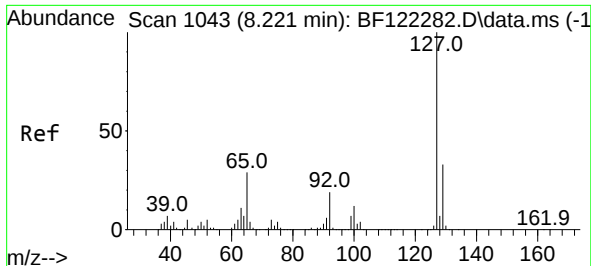
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#32
Benzoic acid
Concen: 5.34 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.059 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:122 Resp: 43499
Ion Ratio Lower Upper
122 100
105 122.8 103.3 143.3
77 97.4 73.9 113.9





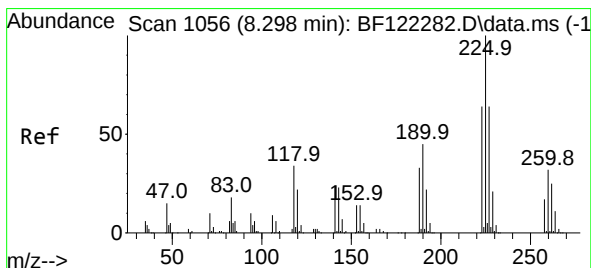
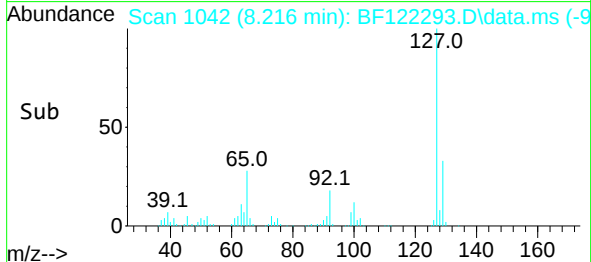
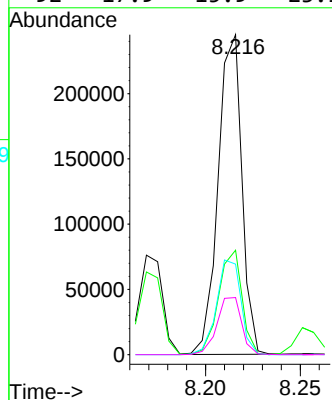
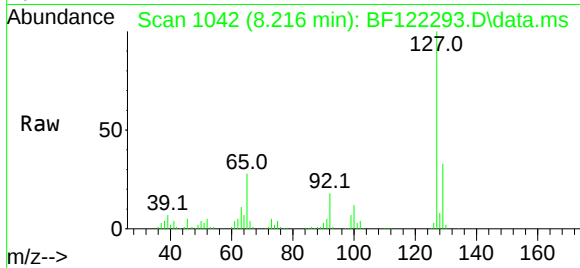
#33
4-Chloroaniline
Concen: 8.78 ng
RT: 8.216 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:	127	Resp:	213690
Ion Ratio	Lower	Upper	
127	100		
129	32.7	26.3	39.5
65	28.3	26.2	39.2
92	17.9	15.9	23.9

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

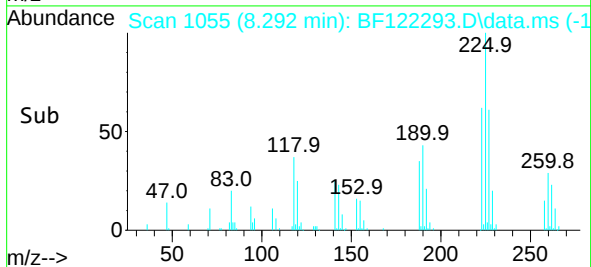
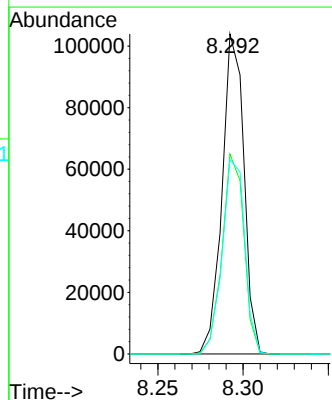
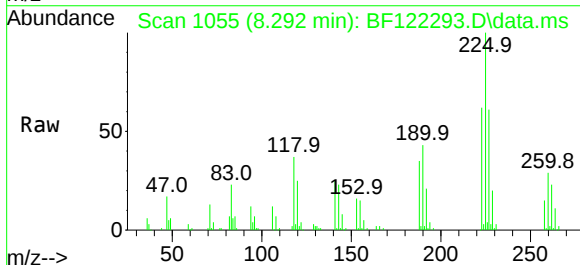
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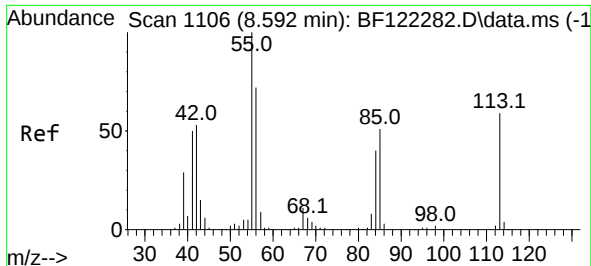
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#34
Hexachlorobutadiene
Concen: 9.11 ng
RT: 8.292 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:	225	Resp:	92364
Ion Ratio	Lower	Upper	
225	100		
223	62.5	51.1	76.7
227	60.8	51.0	76.6





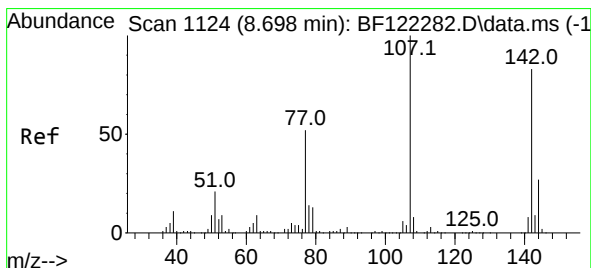
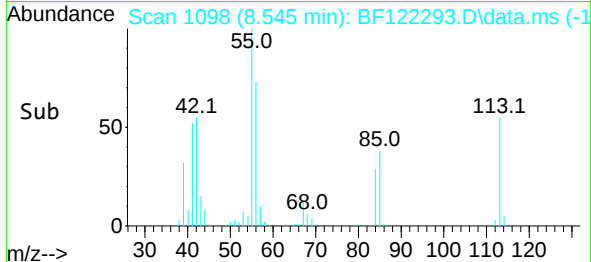
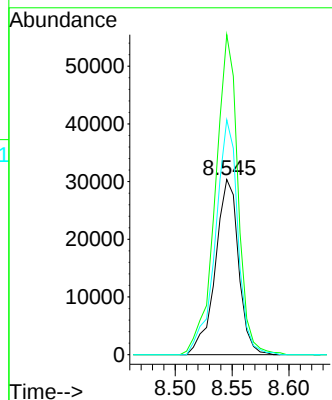
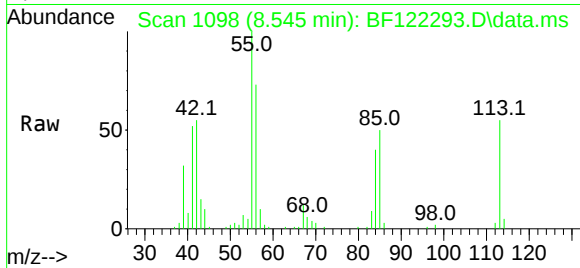
#35
Caprolactam
Concen: 8.53 ng
RT: 8.545 min Scan# 1098
Delta R.T. -0.047 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:	113	Resp:	43173
Ion Ratio	Lower	Upper	
113	100		
55	182.6	167.5	207.5
56	134.1	121.2	161.2

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

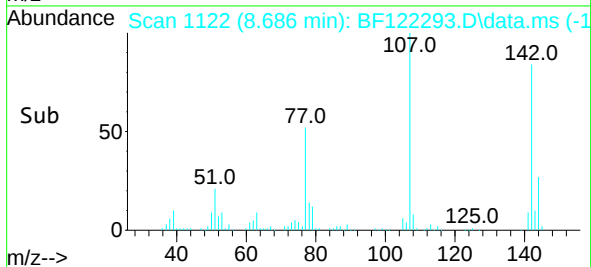
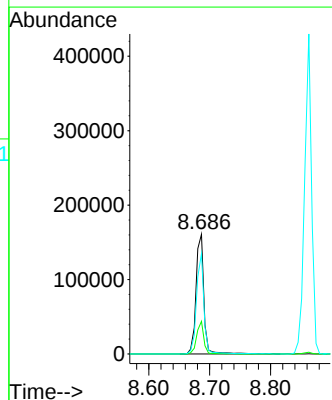
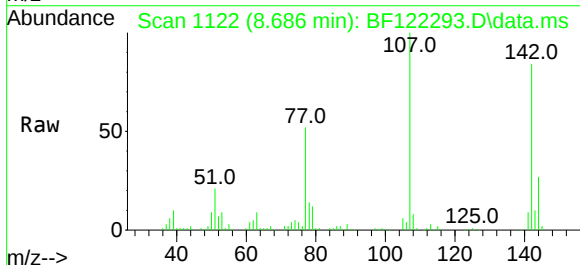
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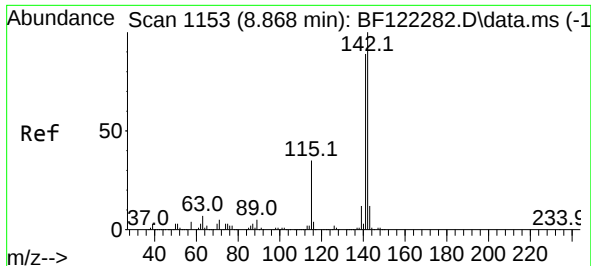
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#36
4-Chloro-3-methylphenol
Concen: 8.65 ng
RT: 8.686 min Scan# 1122
Delta R.T. -0.011 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:	107	Resp:	144182
Ion Ratio	Lower	Upper	
107	100		
144	27.2	20.1	30.1
142	83.8	59.3	88.9





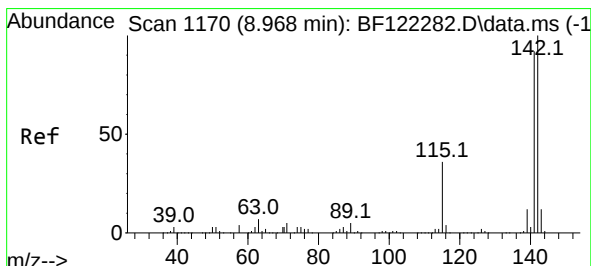
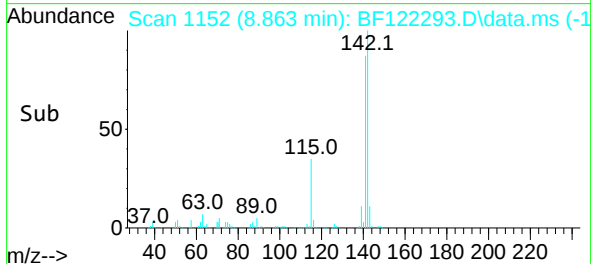
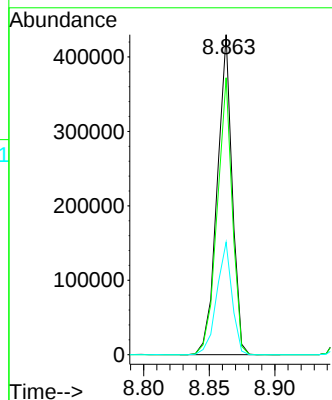
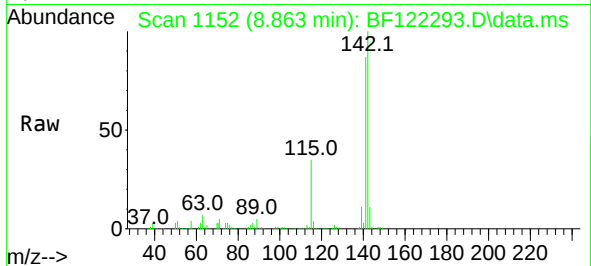
#37
2-Methylnaphthalene
Concen: 9.23 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:142 Resp: 340492
Ion Ratio Lower Upper
142 100
141 86.6 70.2 105.4
115 35.2 28.6 43.0

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

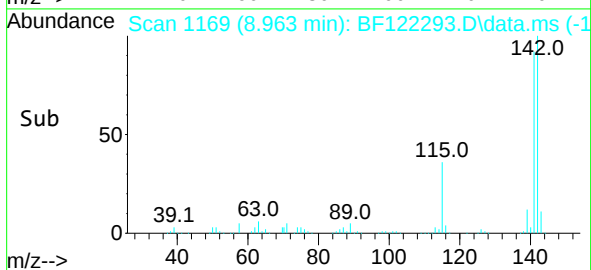
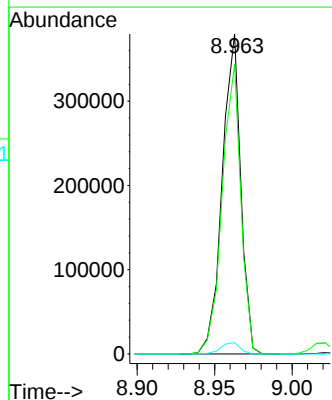
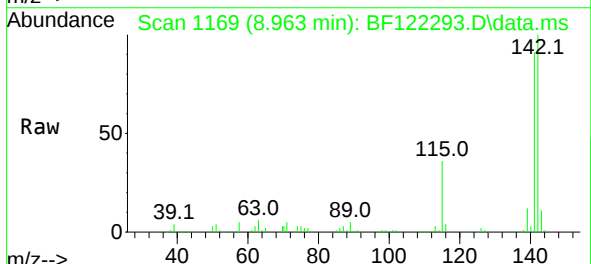
Manual Integrations
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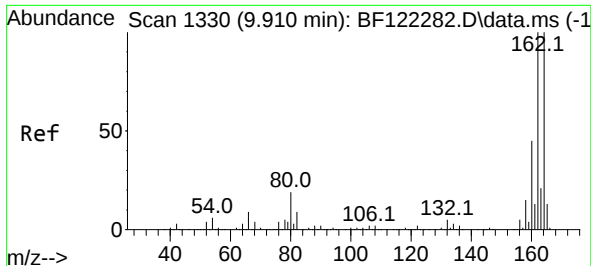
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#38
1-Methylnaphthalene
Concen: 9.14 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

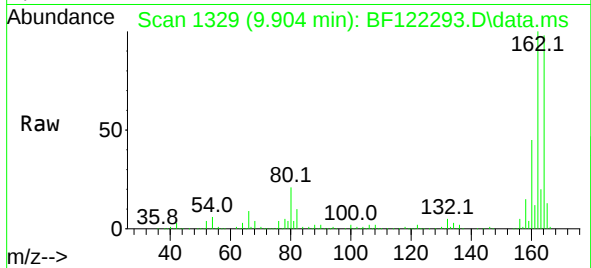
Tgt Ion:142 Resp: 315552
Ion Ratio Lower Upper
142 100
141 90.6 74.5 111.7
116 3.5 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

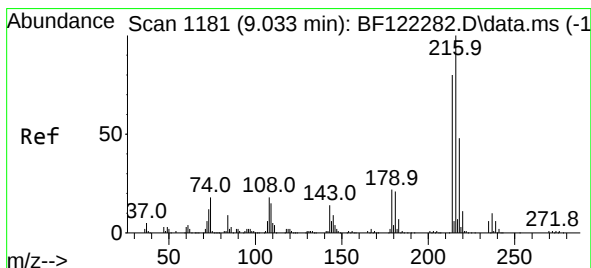
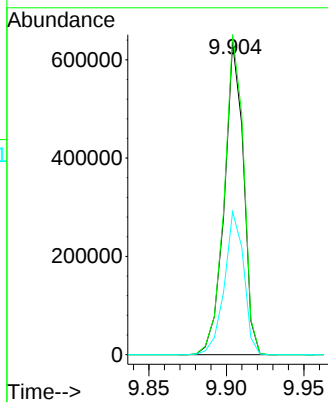
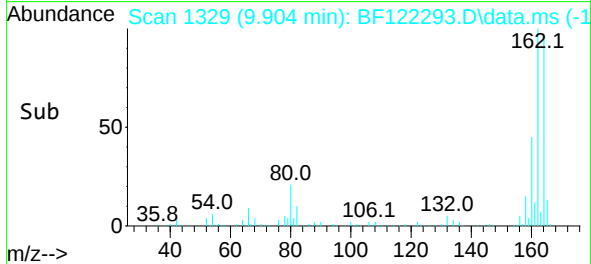
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



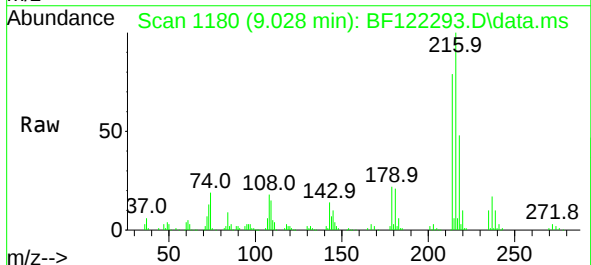
Tgt Ion:164 Resp: 546213
Ion Ratio Lower Upper
164 100
162 102.4 83.2 124.8
160 45.7 37.5 56.3

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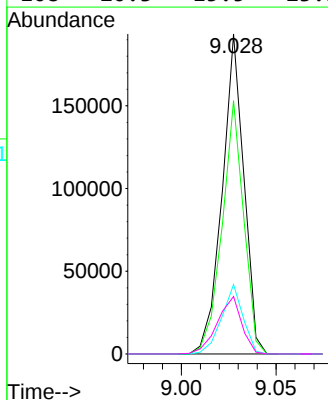
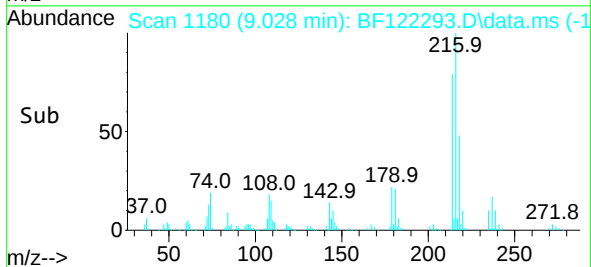
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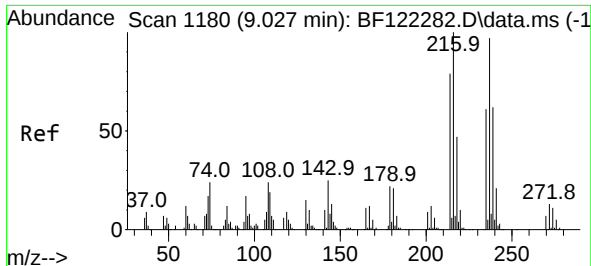


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.15 ng
RT: 9.028 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



Tgt Ion:216 Resp: 153957
Ion Ratio Lower Upper
216 100
214 78.5 63.4 95.2
179 21.5 17.0 25.6
108 20.3 15.5 23.3





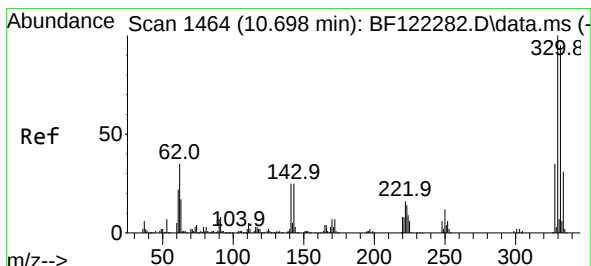
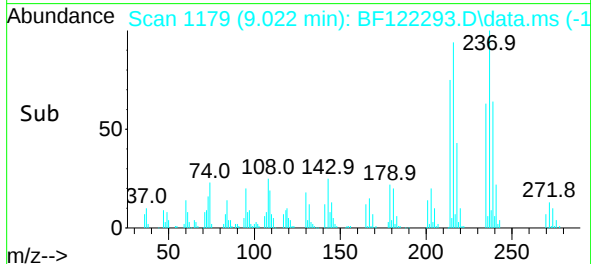
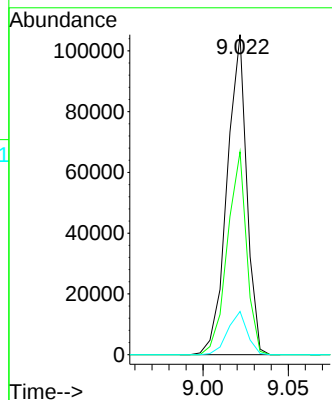
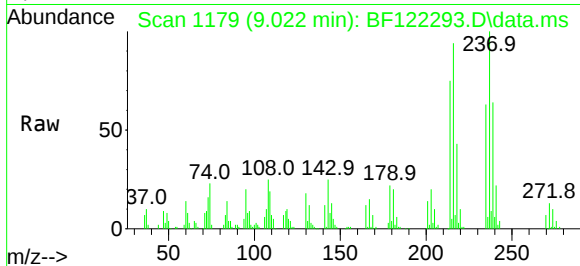
#41
Hexachlorocyclopentadiene
Concen: 8.59 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
237	100		
235	63.4	41.8	81.8
272	13.5	0.0	33.5

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

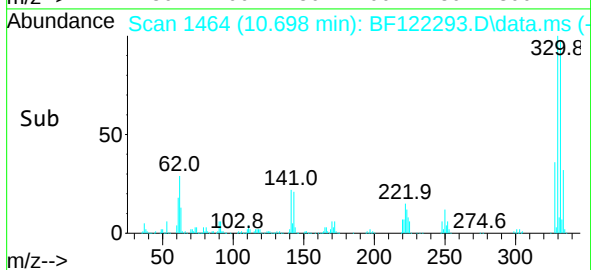
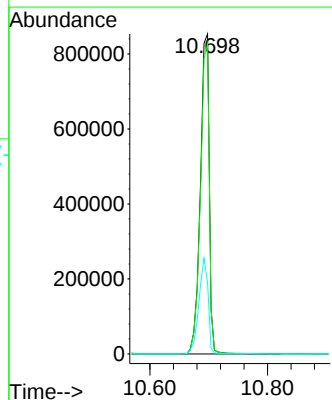
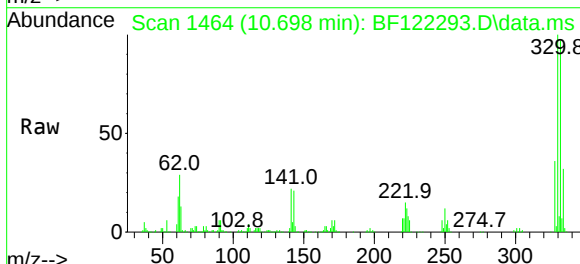
Manual Integrations
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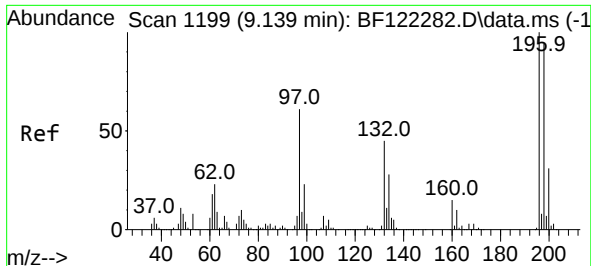
mohammad
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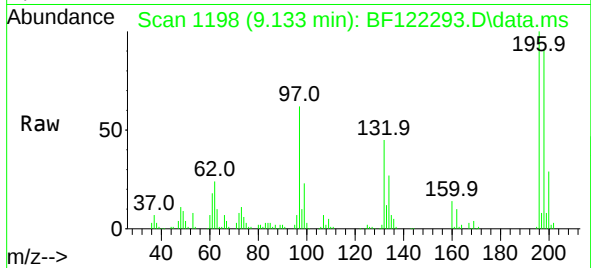
#42
2,4,6-Tribromophenol
Concen: 153.52 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.3	115.9
141	30.9	22.3	33.5

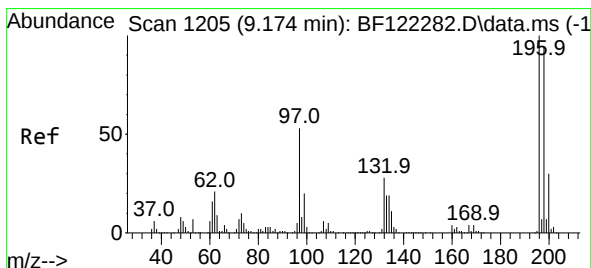
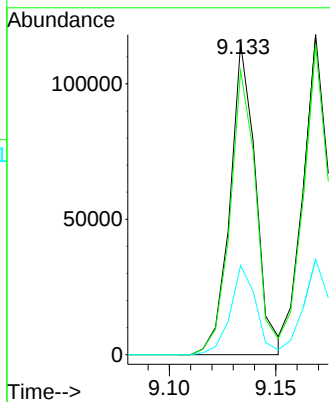
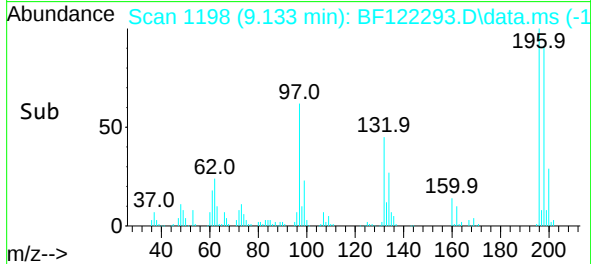




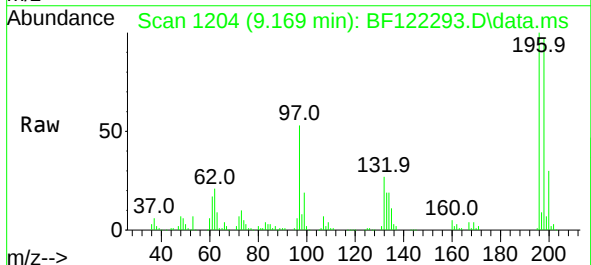
#43
2,4,6-Trichlorophenol
Concen: 8.81 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



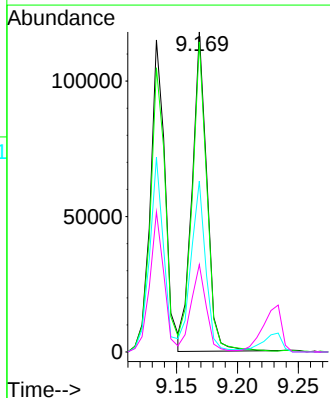
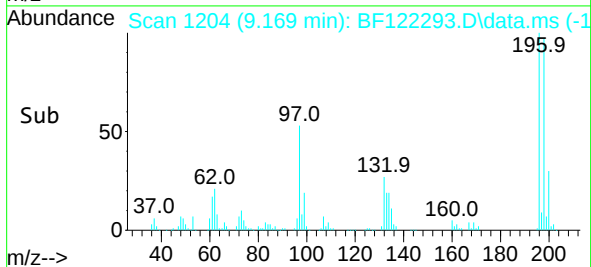
Tgt Ion:196 Resp: 96352
Ion Ratio Lower Upper
196 100
198 91.1 75.8 113.6
200 28.6 24.6 36.8



#44
2,4,5-Trichlorophenol
Concen: 8.71 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



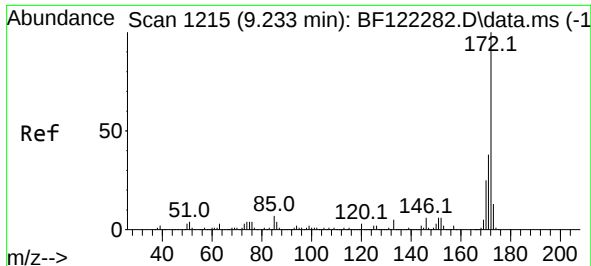
Tgt Ion:196 Resp: 99849
Ion Ratio Lower Upper
196 100
198 96.9 76.1 114.1
97 53.4 41.0 61.6
132 27.3 22.4 33.6



Instrument :
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ClientSampleId :
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#45

2-Fluorobiphenyl

Concen: 99.62 ng

RT: 9.233 min Scan# 1215

Delta R.T. 0.000 min

Lab File: BF122293.D

Acq: 10 Nov 2020 12:17

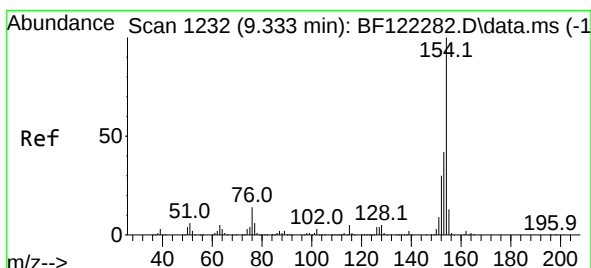
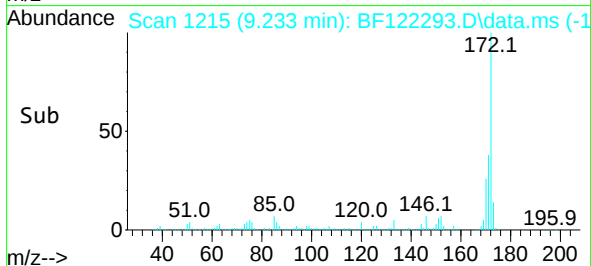
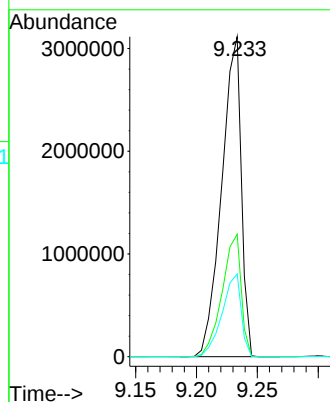
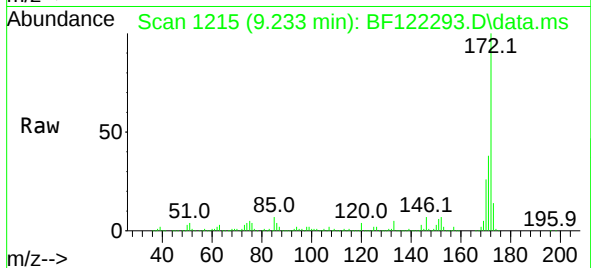
Tgt Ion:172 Resp: 3482715

Ion Ratio Lower Upper

172 100

171 38.3 29.1 43.7

170 25.8 19.8 29.6



#46

1,1'-Biphenyl

Concen: 9.55 ng

RT: 9.328 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF122293.D

Acq: 10 Nov 2020 12:17

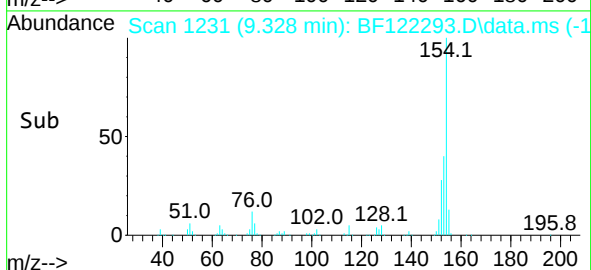
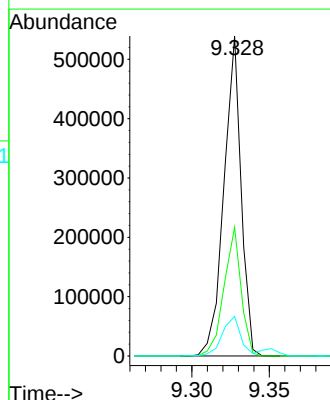
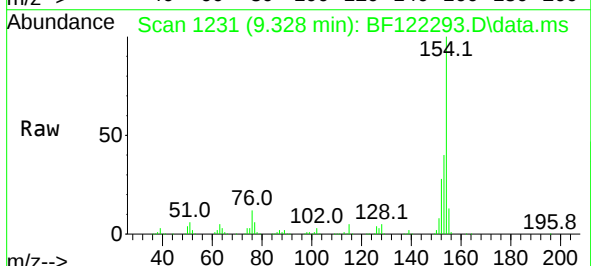
Tgt Ion:154 Resp: 415207

Ion Ratio Lower Upper

154 100

153 40.2 21.3 61.3

76 12.4 0.0 34.7



Instrument :

BNA_F

ClientSampleId :

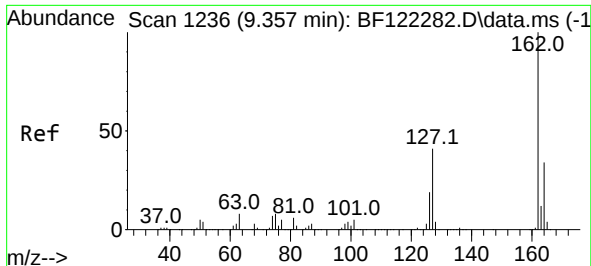
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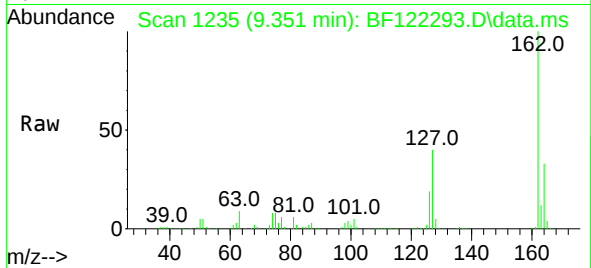
mohammad

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#47
2-Chloronaphthalene
Concen: 9.30 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

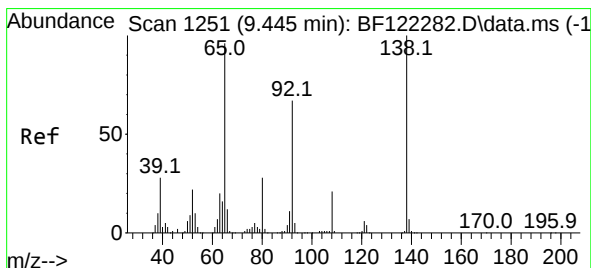
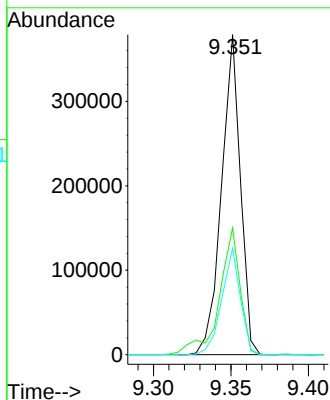
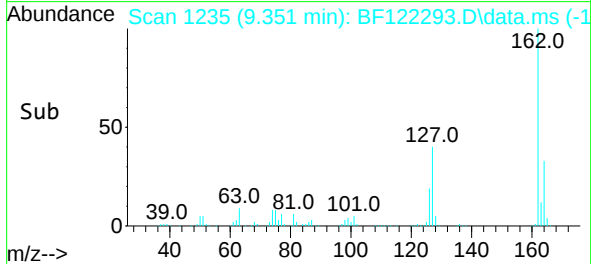
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



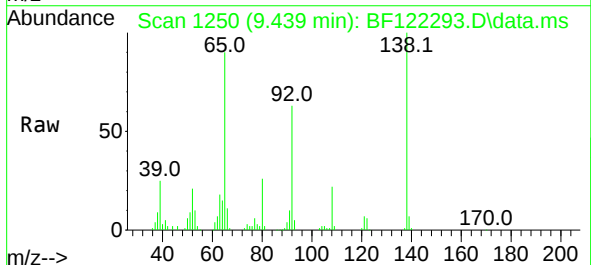
Tgt Ion:162 Resp: 320801
Ion Ratio Lower Upper
162 100
127 39.6 34.4 51.6
164 33.3 26.3 39.5

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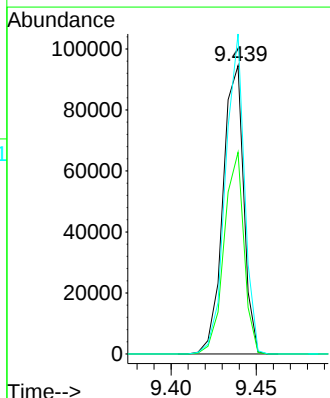
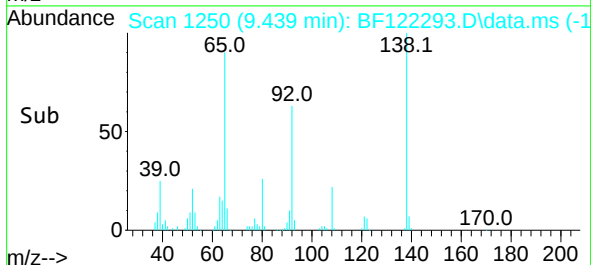
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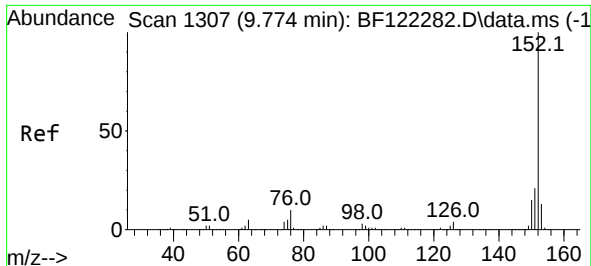


#48
2-Nitroaniline
Concen: 9.46 ng
RT: 9.439 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



Tgt Ion: 65 Resp: 80134
Ion Ratio Lower Upper
65 100
92 69.9 55.1 82.7
138 111.0 80.5 120.7





#49

Acenaphthylene

Concen: 9.22 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.011 min

Lab File: BF122293.D

Acq: 10 Nov 2020 12:17

Tgt Ion:152 Resp: 488996

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

153 13.3 10.6 15.8

Instrument :

BNA_F

ClientSampleId :

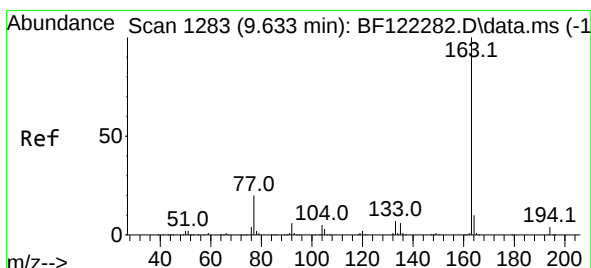
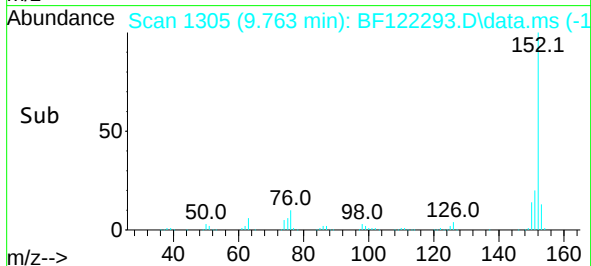
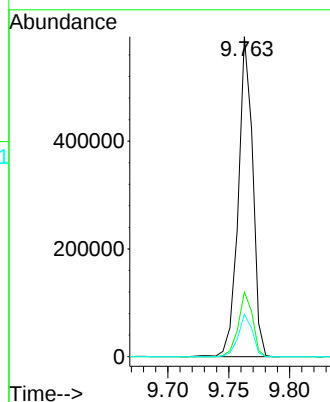
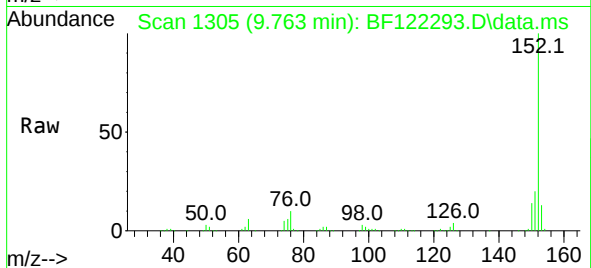
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#50

Dimethylphthalate

Concen: 9.24 ng

RT: 9.622 min Scan# 1281

Delta R.T. -0.011 min

Lab File: BF122293.D

Acq: 10 Nov 2020 12:17

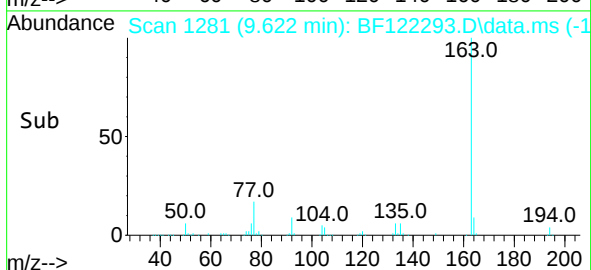
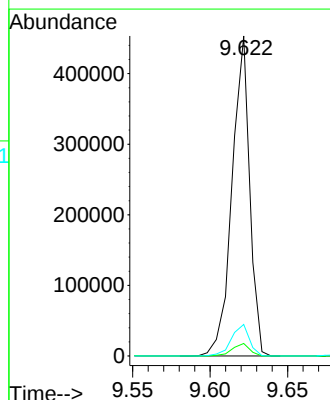
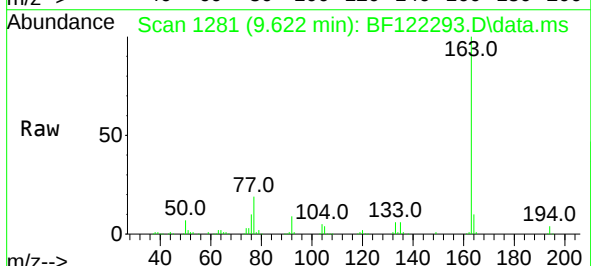
Tgt Ion:163 Resp: 358582

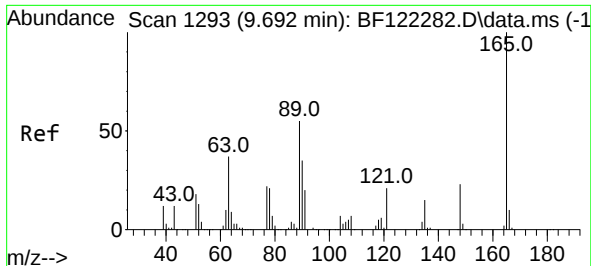
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 9.9 8.2 12.4





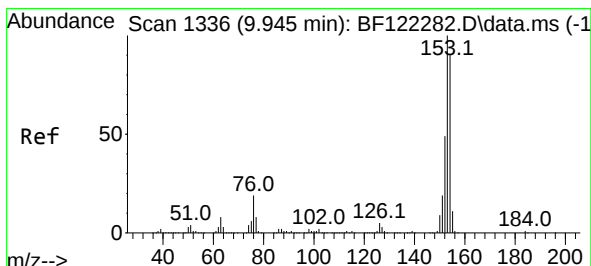
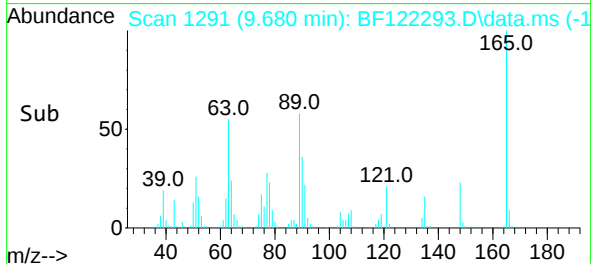
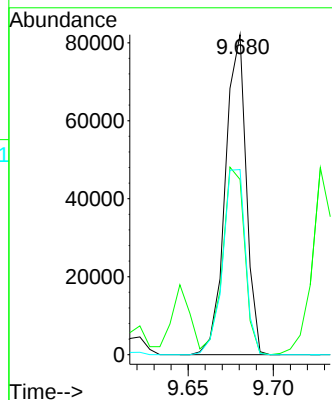
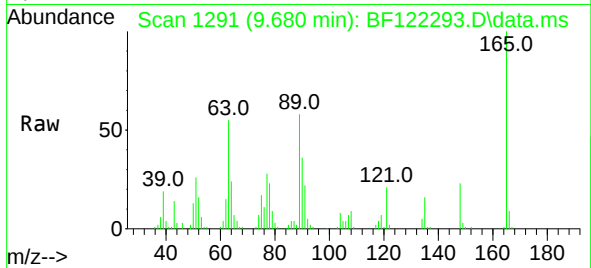
#51
2,6-Dinitrotoluene
Concen: 9.30 ng
RT: 9.680 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:165 Resp: 69848
Ion Ratio Lower Upper
165 100
63 54.7 51.8 77.6
89 57.9 49.0 73.6

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

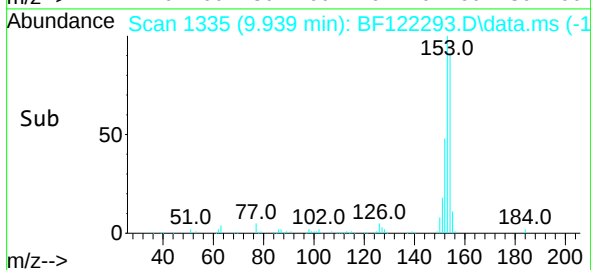
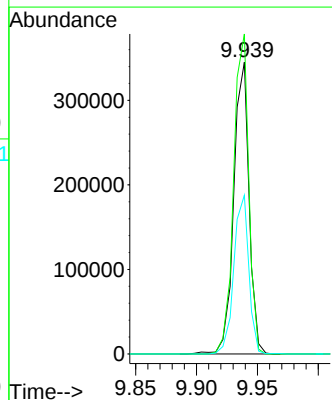
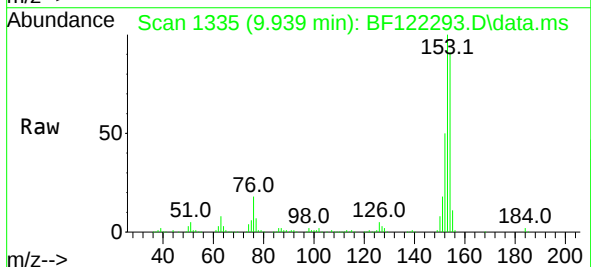
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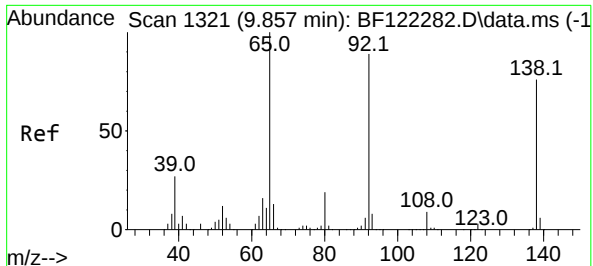
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#52
Acenaphthene
Concen: 9.21 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:154 Resp: 302329
Ion Ratio Lower Upper
154 100
153 109.7 89.8 134.8
152 54.4 43.2 64.8





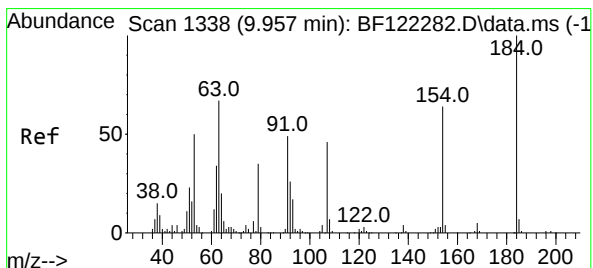
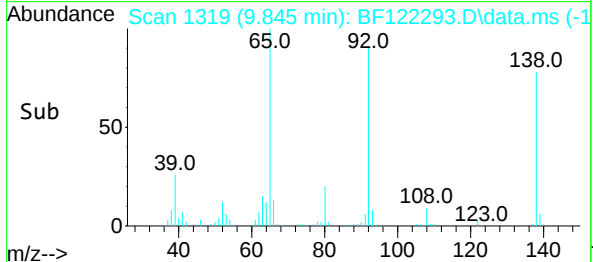
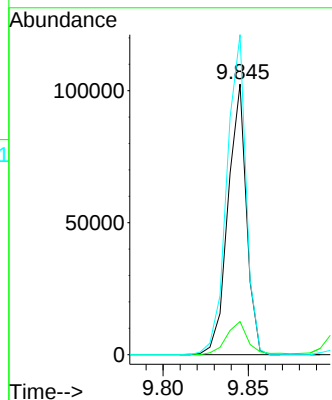
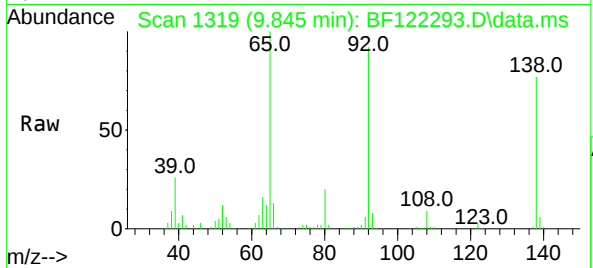
#53
3-Nitroaniline
Concen: 8.94 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:138 Resp: 77464
Ion Ratio Lower Upper
138 100
108 12.3 8.6 13.0
92 118.3 96.6 144.8

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

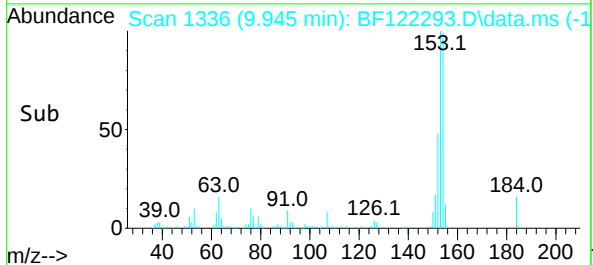
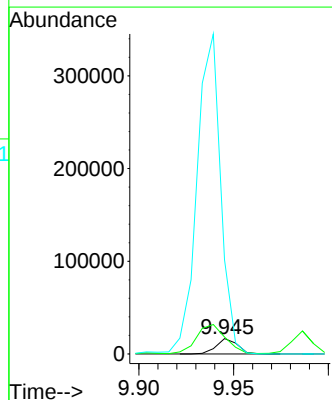
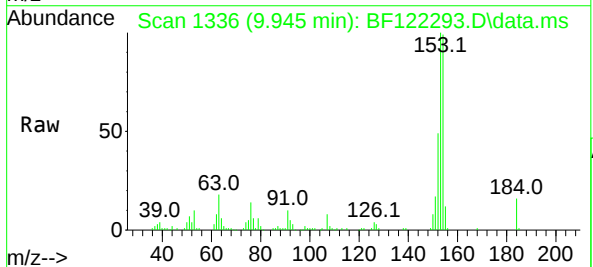
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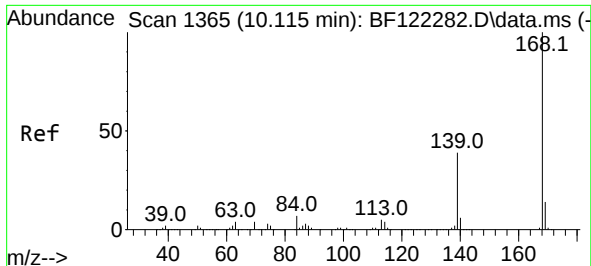
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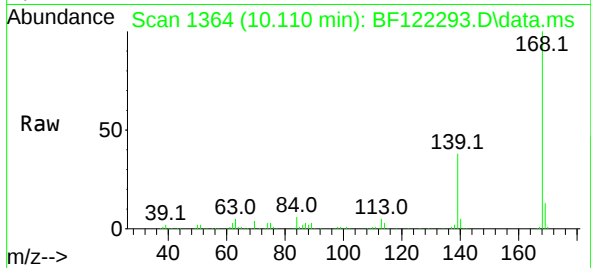
#54
2,4-Dinitrophenol
Concen: 5.64 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:184 Resp: 12940
Ion Ratio Lower Upper
184 100
63 110.1 45.9 68.9#
154 612.7 45.8 68.6#

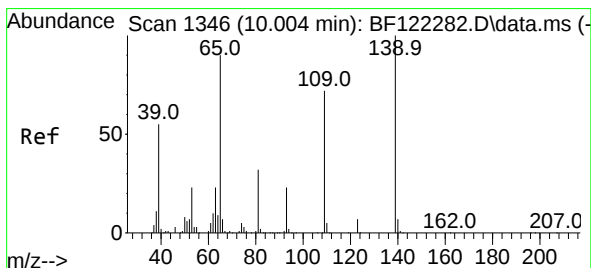
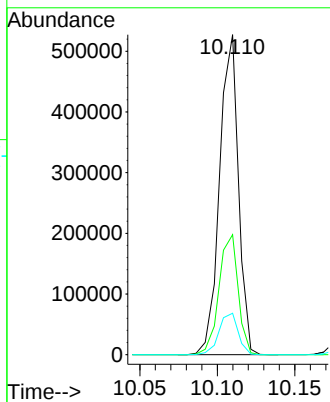
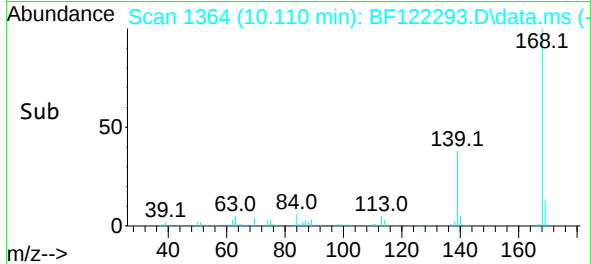




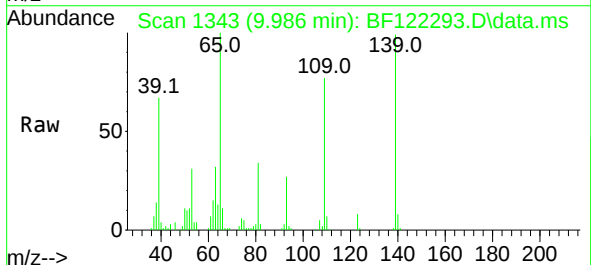
#55
Dibenzofuran
Concen: 9.26 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.005 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



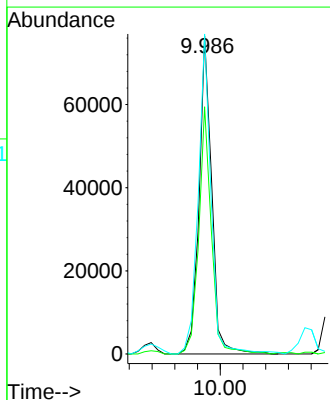
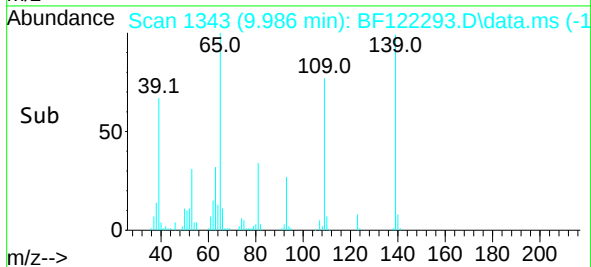
Tgt Ion:168 Resp: 445603
Ion Ratio Lower Upper
168 100
139 37.5 31.0 46.6
169 13.0 11.3 16.9



#56
4-Nitrophenol
Concen: 8.01 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.018 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



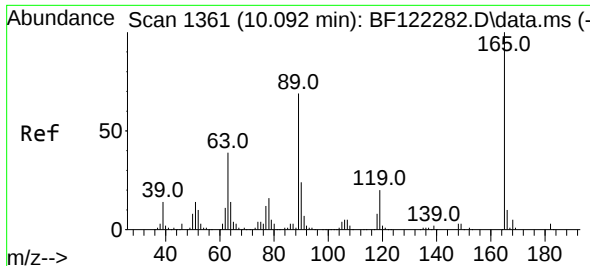
Tgt Ion:139 Resp: 59330
Ion Ratio Lower Upper
139 100
109 77.7 45.4 85.4
65 100.6 68.4 108.4



Instrument :
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ClientSampleId :
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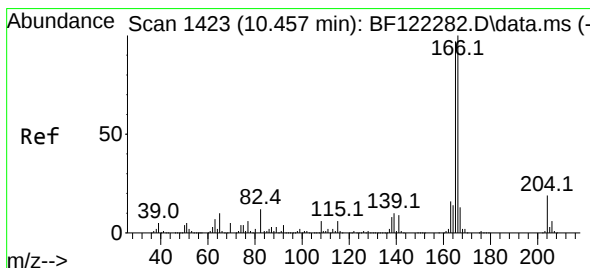
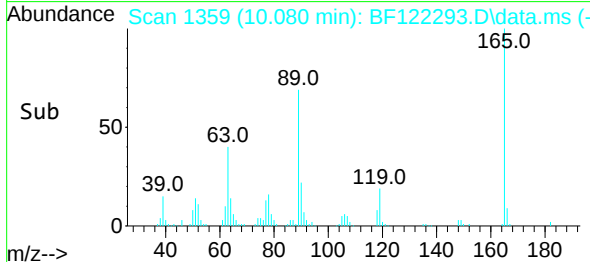
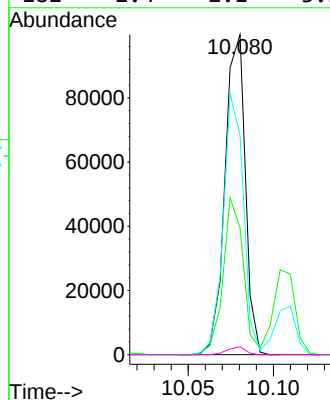
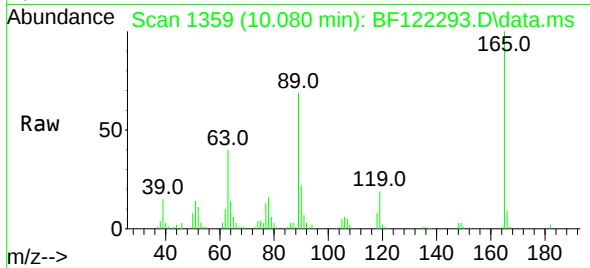
#57
2,4-Dinitrotoluene
Concen: 9.13 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.012 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:	165	Resp:	82891
Ion Ratio	Lower	Upper	
165	100		
63	39.5	41.3	61.9#
89	68.5	61.8	92.8
182	2.4	2.1	3.1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

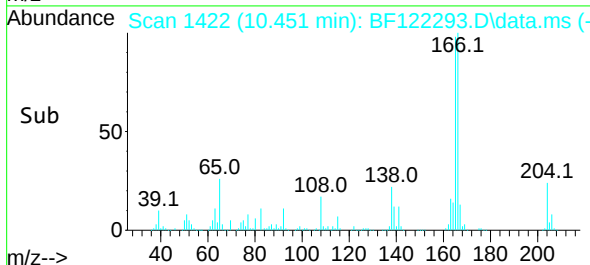
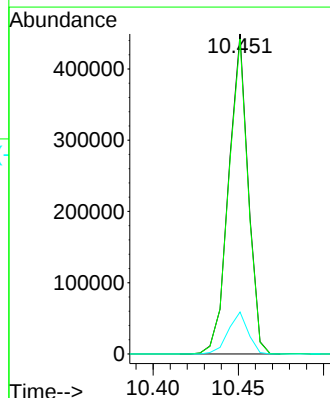
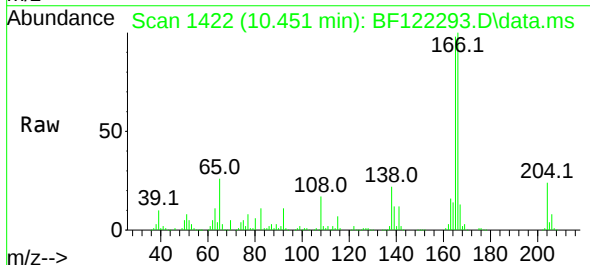
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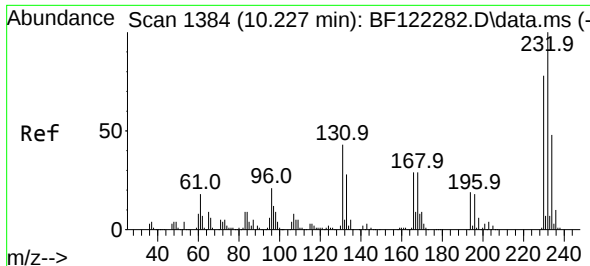
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#58
Fluorene
Concen: 9.68 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:	166	Resp:	356386
Ion Ratio	Lower	Upper	
166	100		
165	98.4	79.1	118.7
167	13.1	11.0	16.6





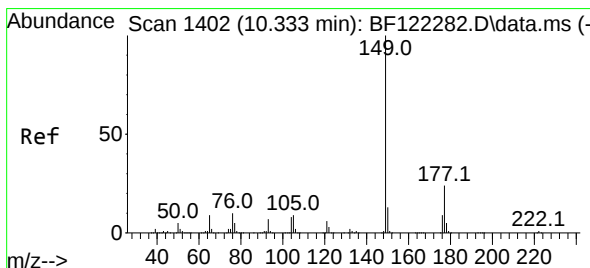
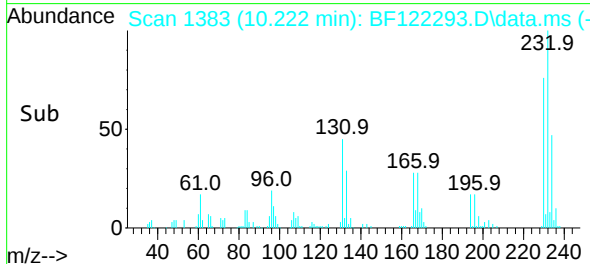
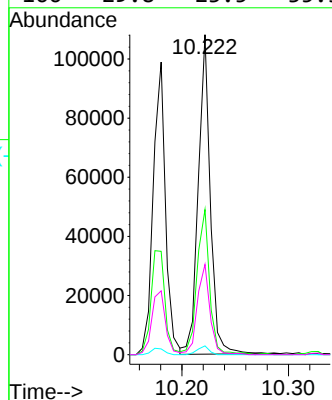
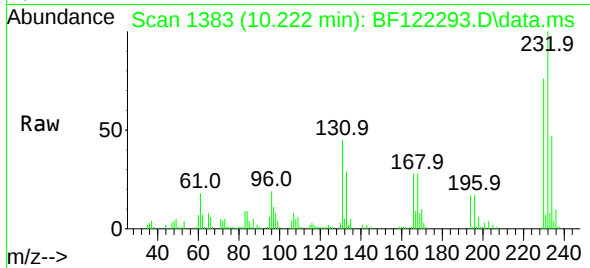
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.92 ng
RT: 10.222 min Scan# 1383
Delta R.T. -0.006 min
Lab File: BF122293.D
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Tgt Ion:232	Resp:	84996
Ion Ratio	Lower	Upper
232	100	
131	47.8	35.9 53.9
130	2.6	1.8 2.6
166	29.8	23.5 35.3

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

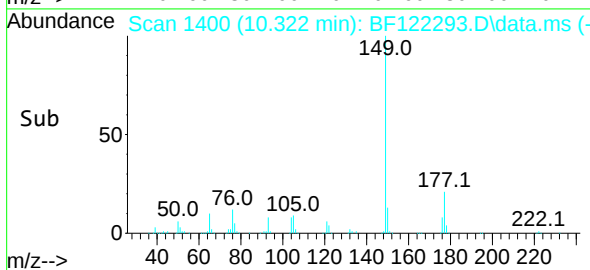
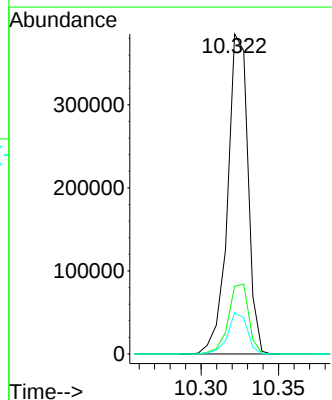
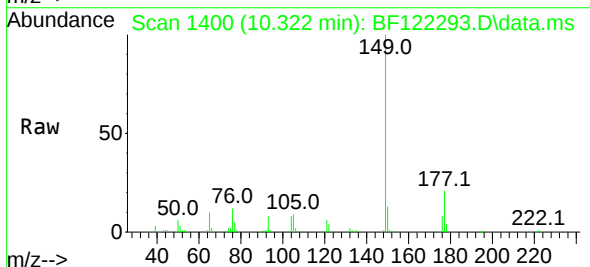
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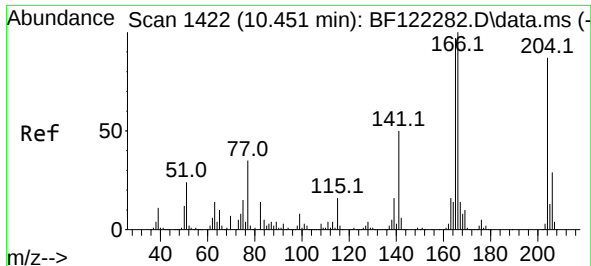
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#60
Diethylphthalate
Concen: 9.22 ng
RT: 10.322 min Scan# 1400
Delta R.T. -0.011 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

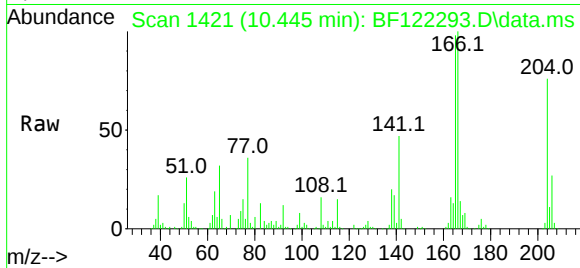
Tgt Ion:149	Resp:	351105
Ion Ratio	Lower	Upper
149	100	
177	21.1	18.1 27.1
150	12.9	10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 9.54 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

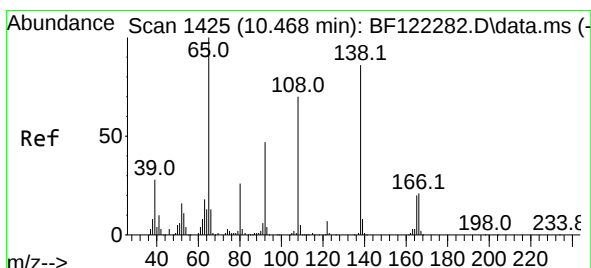
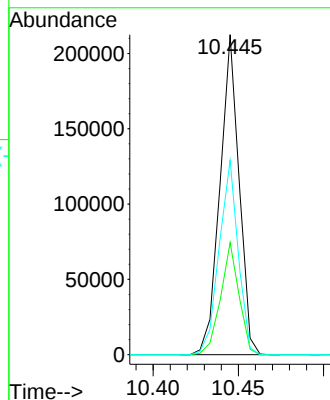
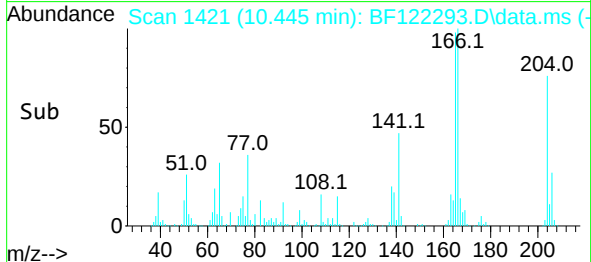
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



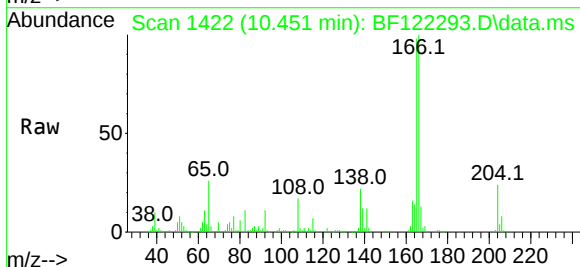
Tgt Ion:204 Resp: 165871
Ion Ratio Lower Upper
204 100
206 35.0 26.0 39.0
141 60.8 46.2 69.4

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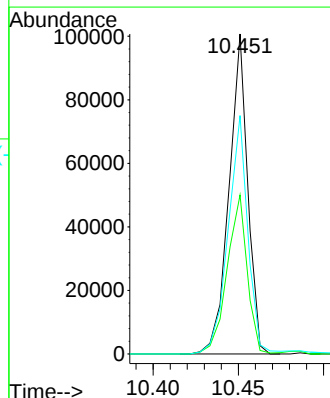
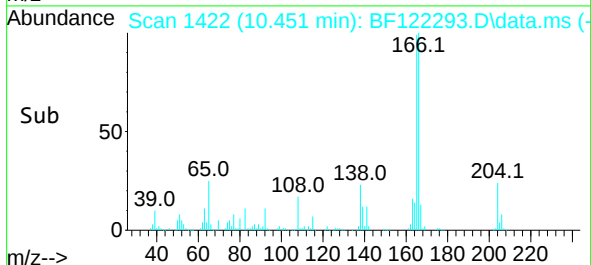
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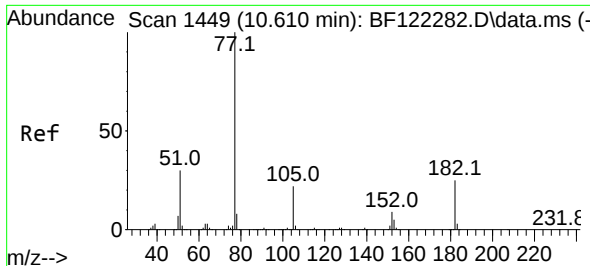


#62
4-Nitroaniline
Concen: 9.03 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.017 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

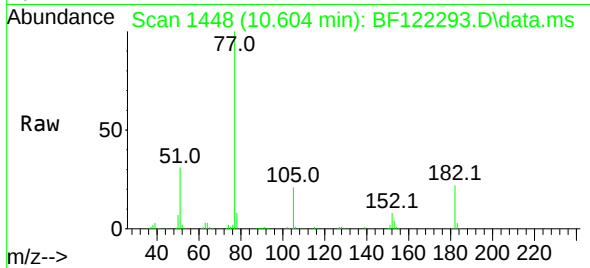


Tgt Ion:138 Resp: 77069
Ion Ratio Lower Upper
138 100
92 49.7 31.0 71.0
108 74.5 51.5 91.5

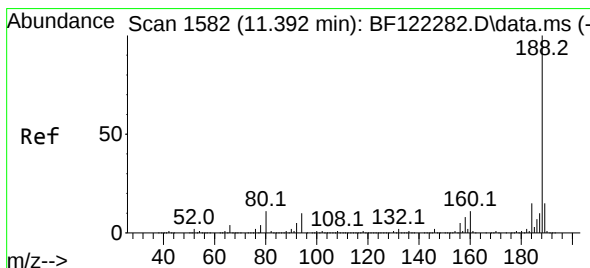
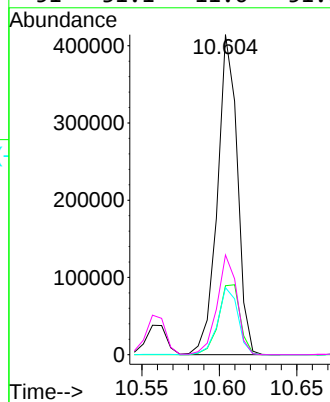
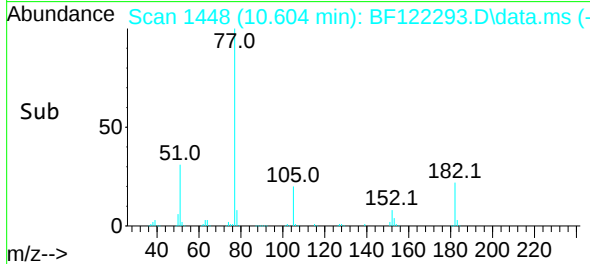




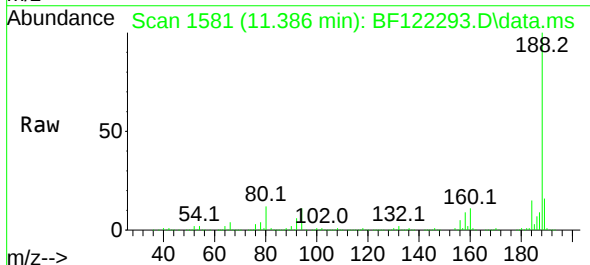
#63
Azobenzene
Concen: 9.26 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



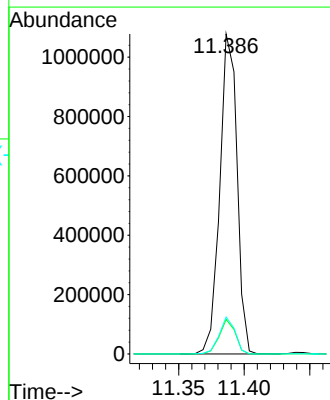
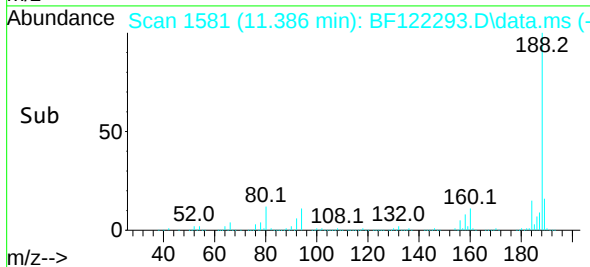
Tgt Ion: 77 Resp: 370197
Ion Ratio Lower Upper
77 100
182 21.6 3.4 43.4
105 20.9 1.7 41.7
51 31.1 11.6 51.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



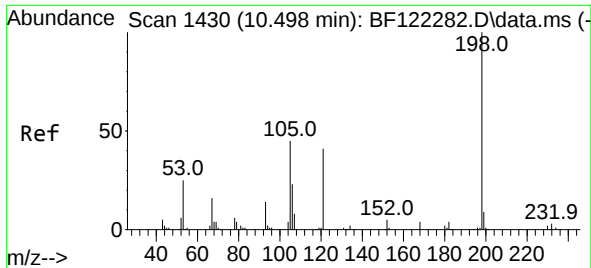
Tgt Ion: 188 Resp: 983872
Ion Ratio Lower Upper
188 100
94 10.8 8.3 12.5
80 11.6 9.1 13.7



Instrument :
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ClientSampleId :
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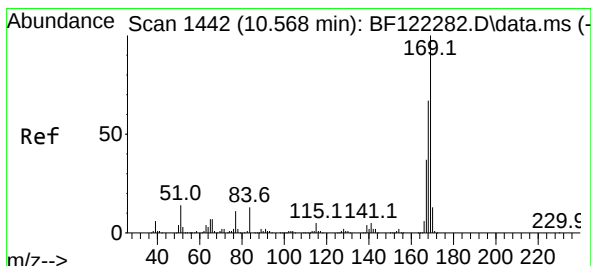
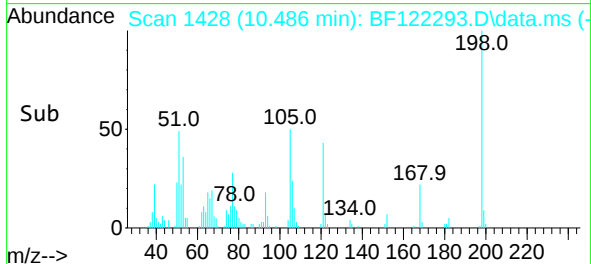
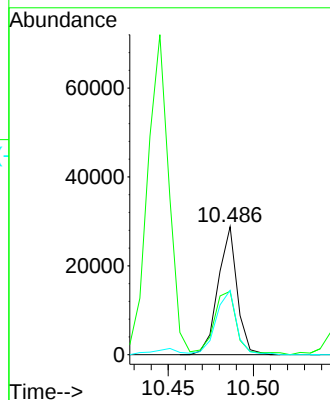
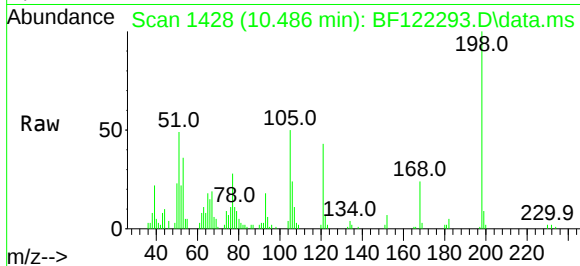
#65
4,6-Dinitro-2-methylphenol
Concen: 5.99 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:198 Resp: 22378
Ion Ratio Lower Upper
198 100
51 49.4 29.6 69.6
105 50.2 24.4 64.4

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

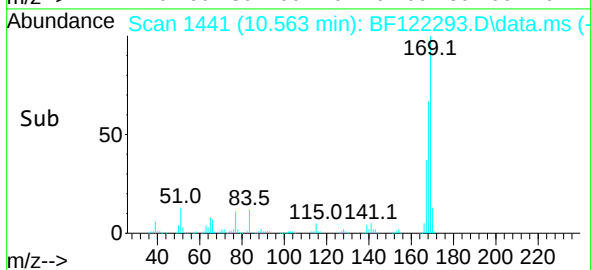
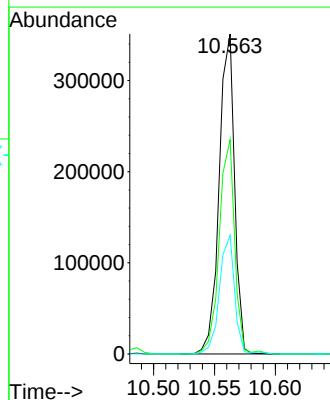
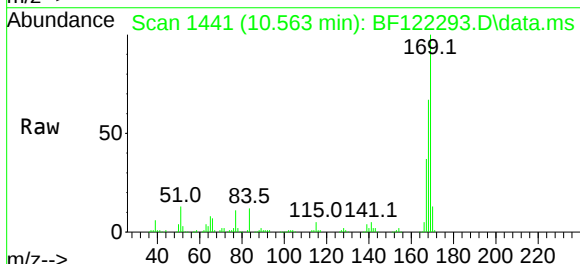
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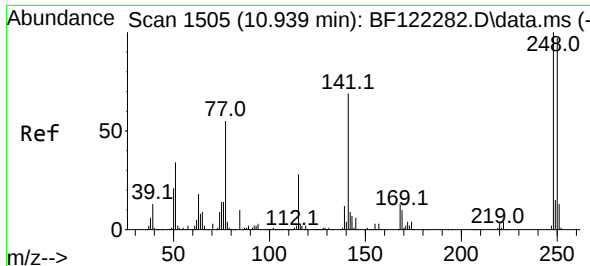
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#66
n-Nitrosodiphenylamine
Concen: 9.23 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

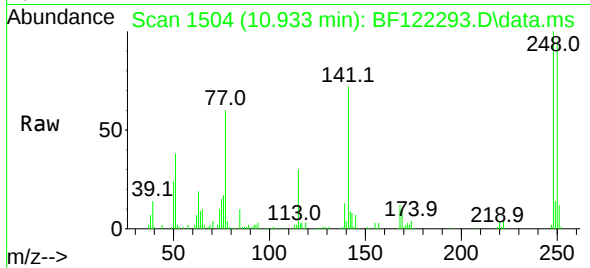
Tgt Ion:169 Resp: 309565
Ion Ratio Lower Upper
169 100
168 66.9 50.0 75.0
167 37.1 27.8 41.6





#67
4-Bromophenyl-phenylether
Concen: 9.12 ng
RT: 10.933 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

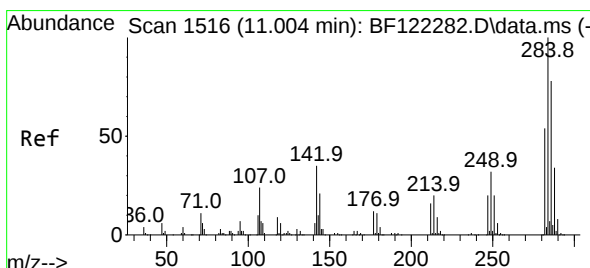
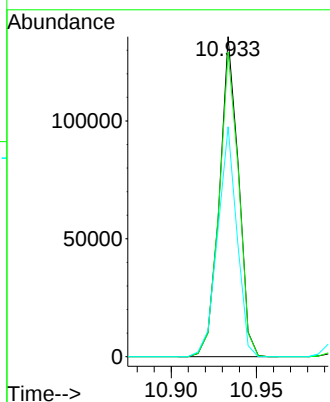
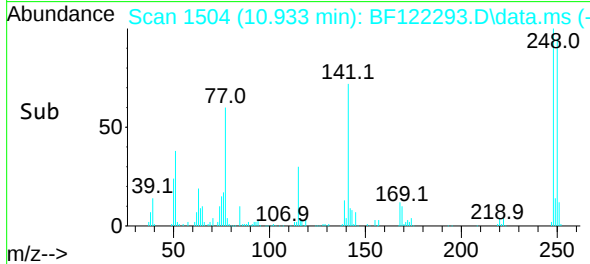
Instrument :
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ClientSampleId :
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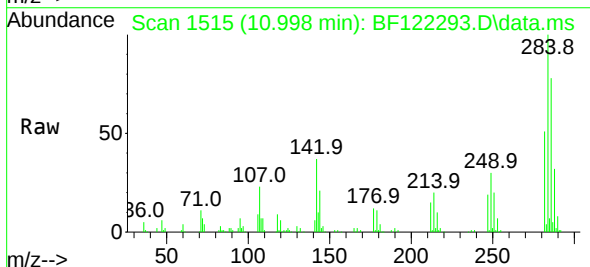
Tgt Ion:248 Resp: 105426
Ion Ratio Lower Upper
248 100
250 95.2 77.0 115.6
141 71.9 53.7 80.5

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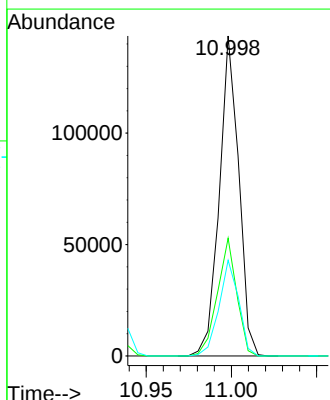
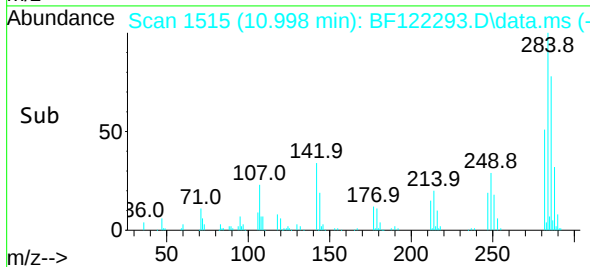
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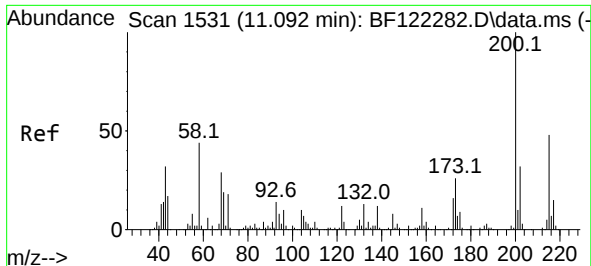


#68
Hexachlorobenzene
Concen: 9.09 ng
RT: 10.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



Tgt Ion:284 Resp: 113570
Ion Ratio Lower Upper
284 100
142 36.8 27.4 41.2
249 29.9 24.2 36.4





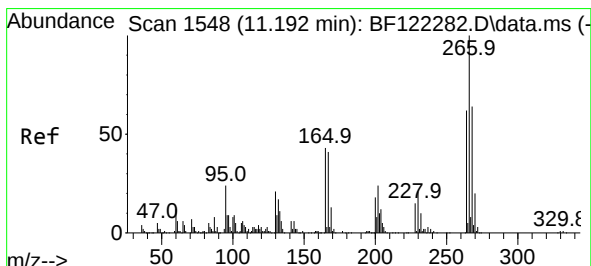
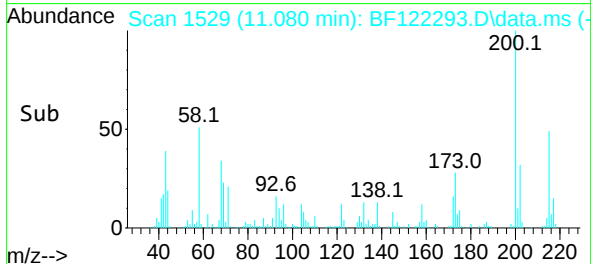
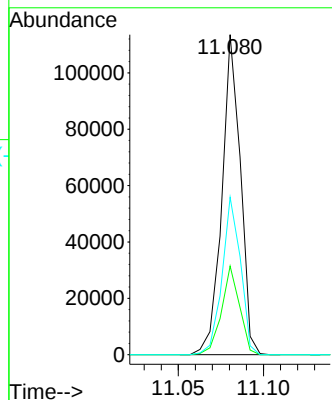
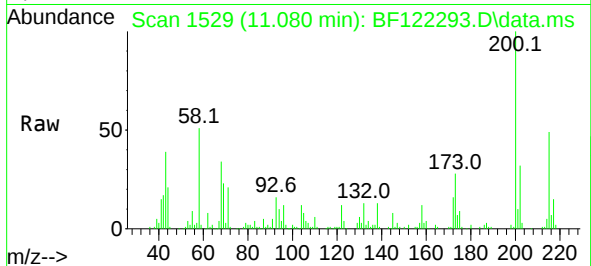
#69
Atrazine
Concen: 10.26 ng
RT: 11.080 min Scan# 1529
Delta R.T. -0.011 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:200 Resp: 85684
Ion Ratio Lower Upper
200 100
173 27.7 7.5 47.5
215 49.2 27.1 67.1

Instrument :
BNA_F
ClientSampleId :
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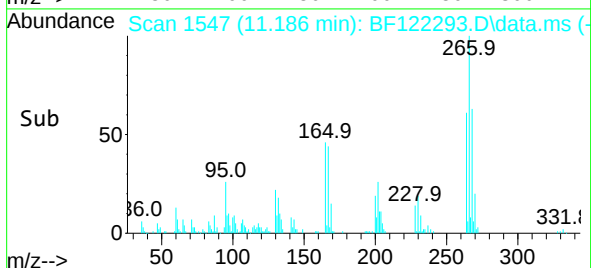
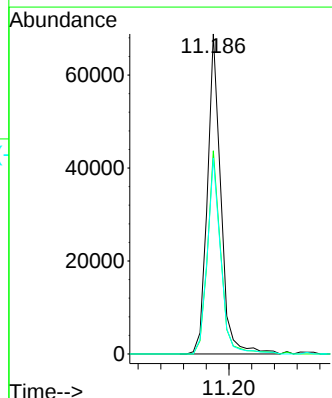
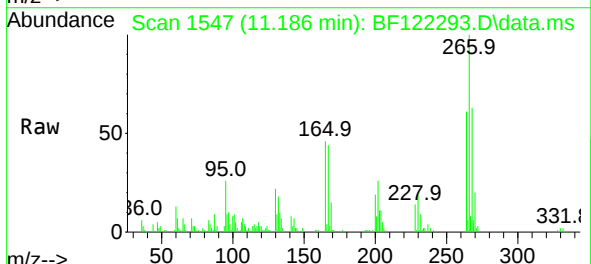
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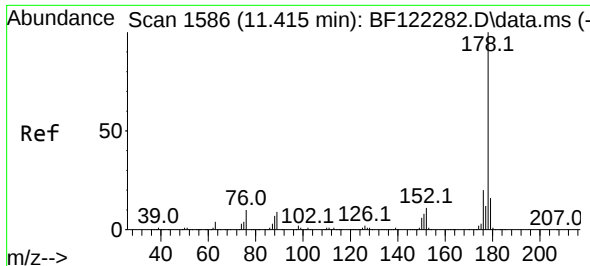
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#70
Pentachlorophenol
Concen: 7.85 ng
RT: 11.186 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

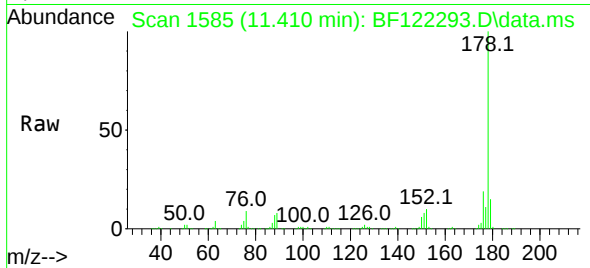
Tgt Ion:266 Resp: 56508
Ion Ratio Lower Upper
266 100
268 63.5 52.4 78.6
264 61.3 49.9 74.9





#71
Phenanthrene
Concen: 9.59 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

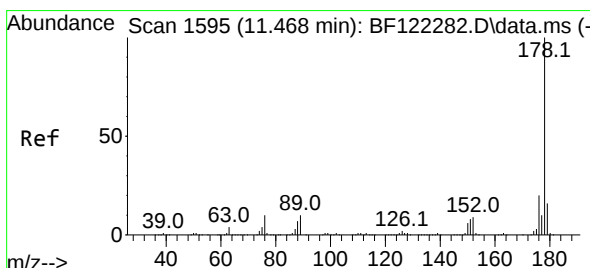
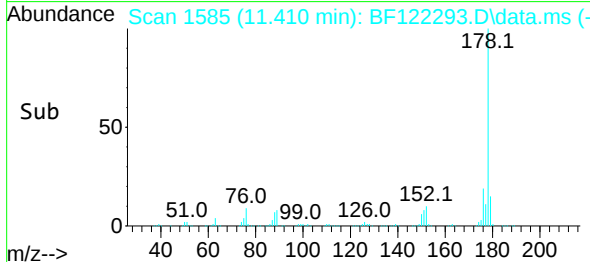
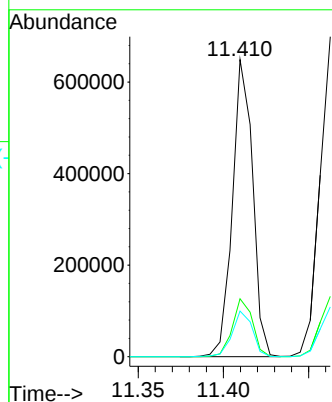
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



Tgt Ion:178 Resp: 535137
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.3 12.2 18.4

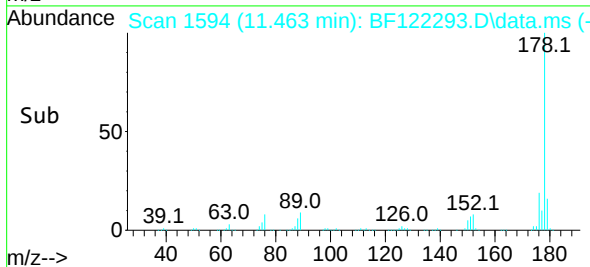
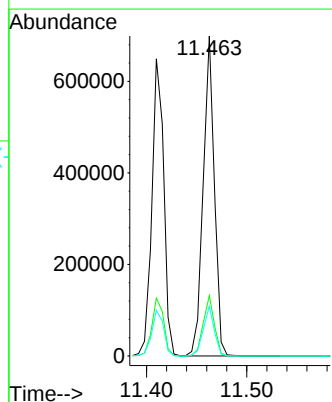
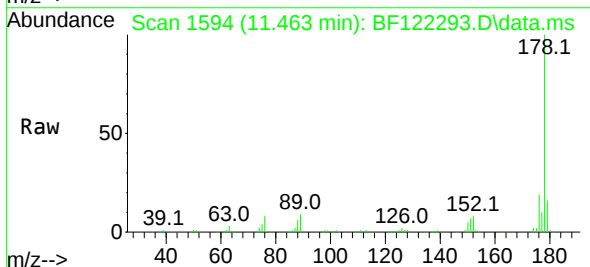
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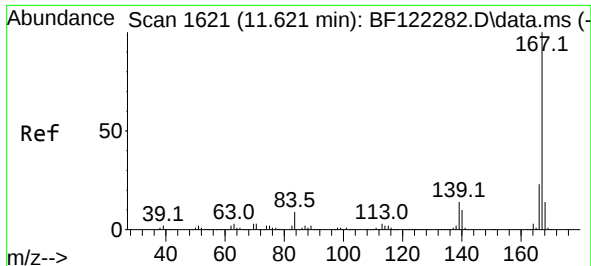
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#72
Anthracene
Concen: 9.48 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

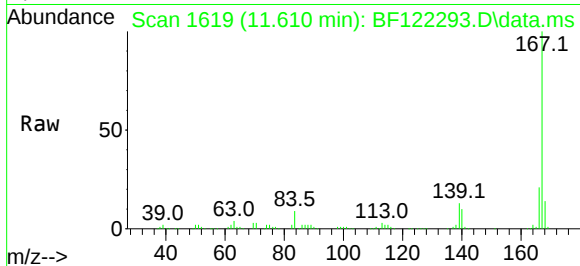
Tgt Ion:178 Resp: 545456
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.6 12.7 19.1





#73
 Carbazole
 Concen: 9.32 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. -0.011 min
 Lab File: BF122293.D
 Acq: 10 Nov 2020 12:17

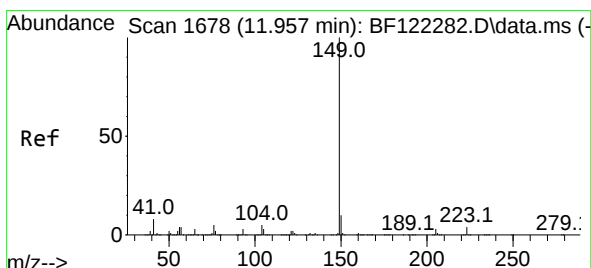
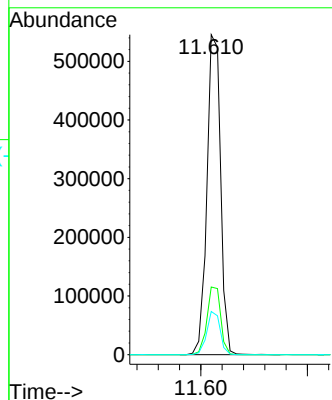
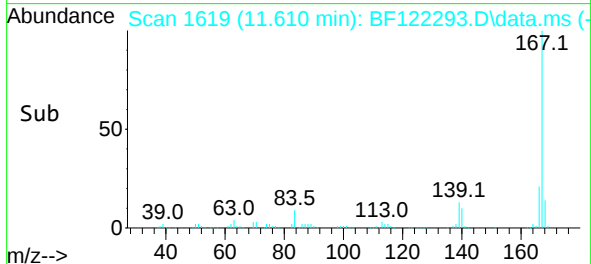
Instrument :
 BNA_F
 ClientSampleId :
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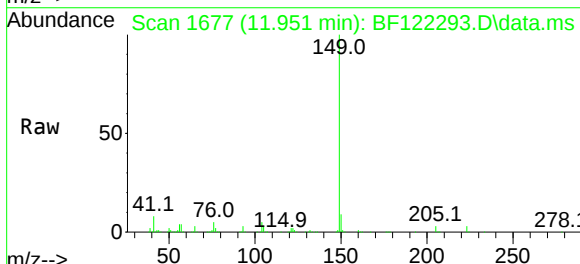
Tgt Ion:167 Resp: 488030
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.8 26.6
 139 13.5 10.8 16.2

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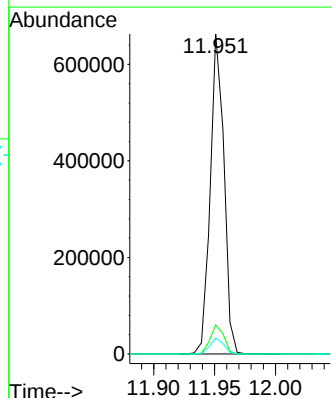
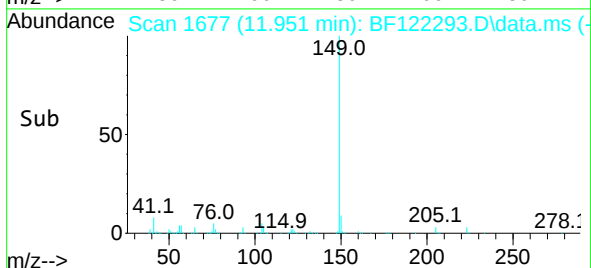
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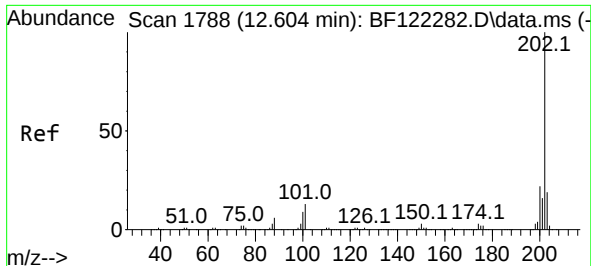


#74
 Di-n-butylphthalate
 Concen: 9.31 ng
 RT: 11.951 min Scan# 1677
 Delta R.T. -0.006 min
 Lab File: BF122293.D
 Acq: 10 Nov 2020 12:17



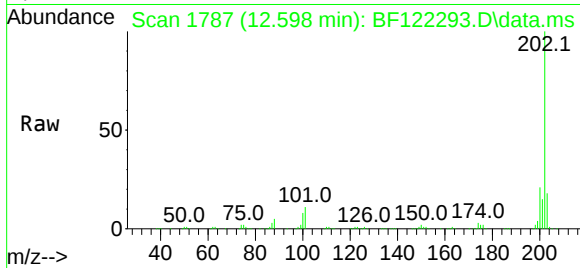
Tgt Ion:149 Resp: 519279
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.7 11.5
 104 5.0 4.2 6.2





#75
Fluoranthene
Concen: 9.31 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

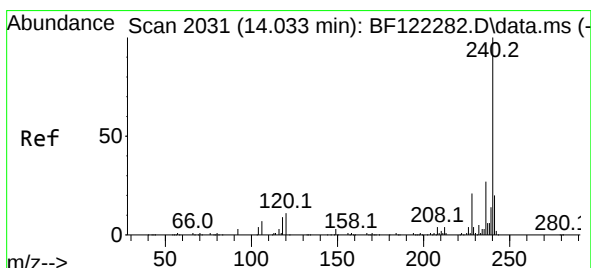
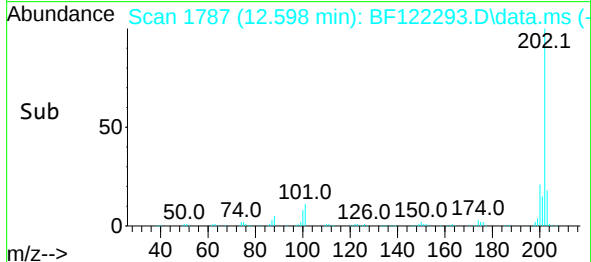
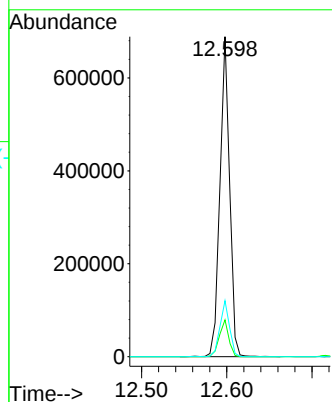
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



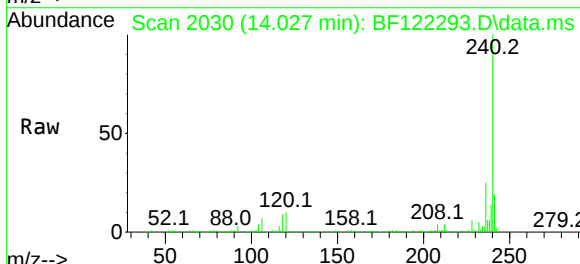
Tgt Ion:202 Resp: 542739
Ion Ratio Lower Upper
202 100
101 11.5 0.0 33.4
203 17.5 0.0 37.9

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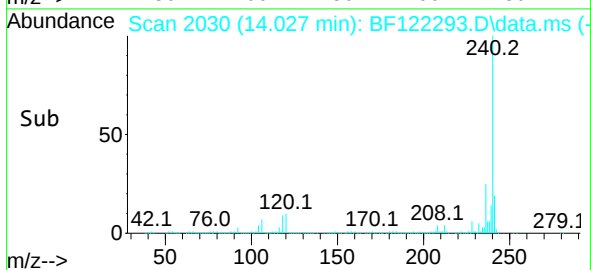
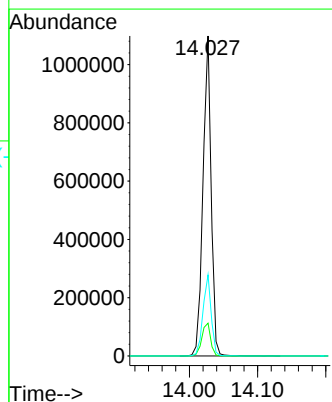
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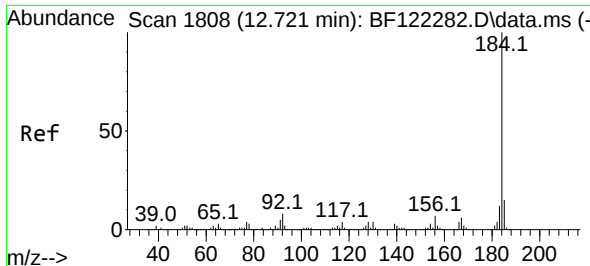


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

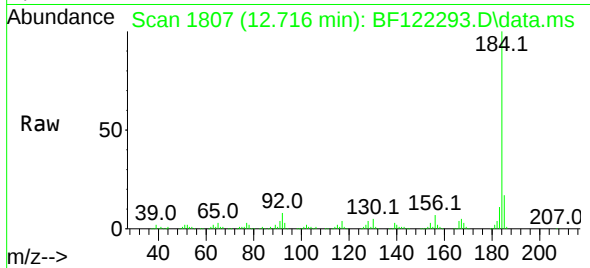


Tgt Ion:240 Resp: 915757
Ion Ratio Lower Upper
240 100
120 10.2 9.2 13.8
236 25.4 20.9 31.3

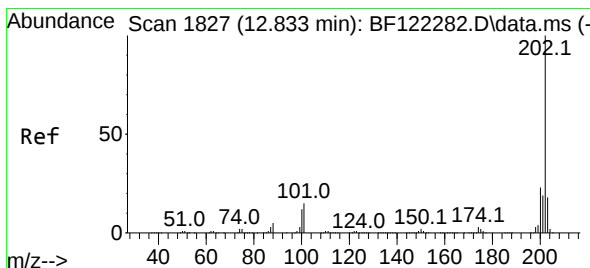
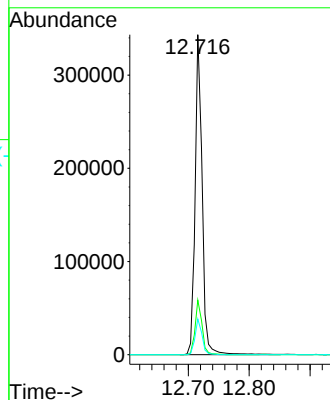
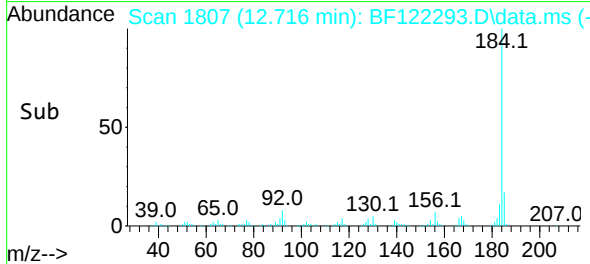




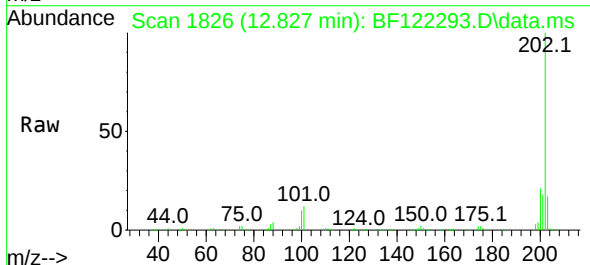
#77
Benzidine
Concen: 10.81 ng
RT: 12.716 min Scan# 1807
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



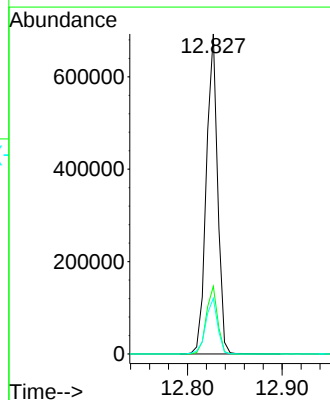
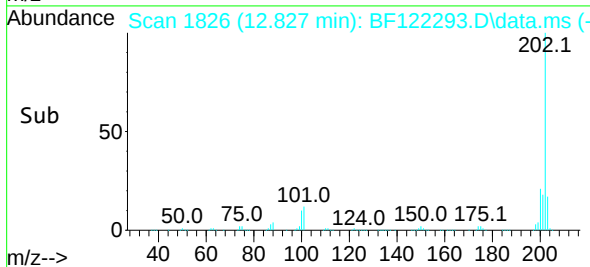
Tgt Ion:184 Resp: 274643
Ion Ratio Lower Upper
184 100
185 17.1 11.6 17.4
183 11.1 9.4 14.0



#78
Pyrene
Concen: 8.91 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



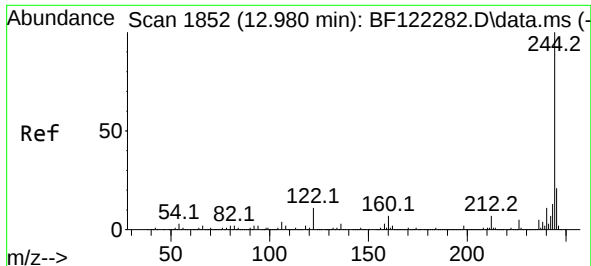
Tgt Ion:202 Resp: 573136
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 17.4 14.6 21.8



Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

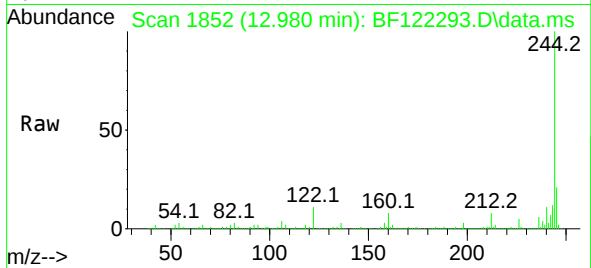
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#79
 Terphenyl-d14
 Concen: 95.27 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF122293.D
 Acq: 10 Nov 2020 12:17

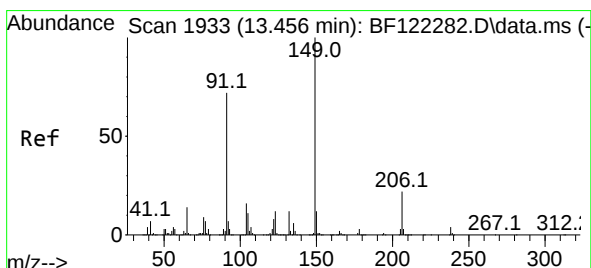
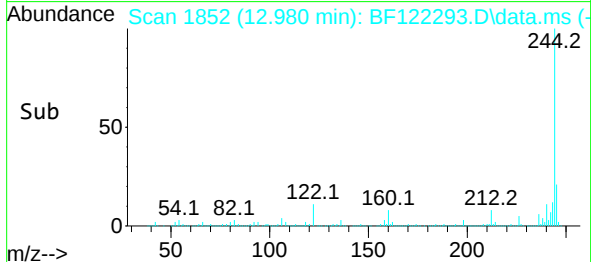
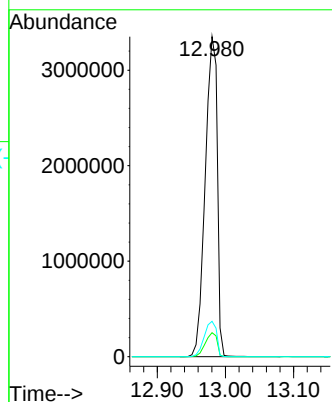
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020



Tgt Ion:244 Resp: 4118253
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.4 8.2
 122 11.1 8.1 12.1

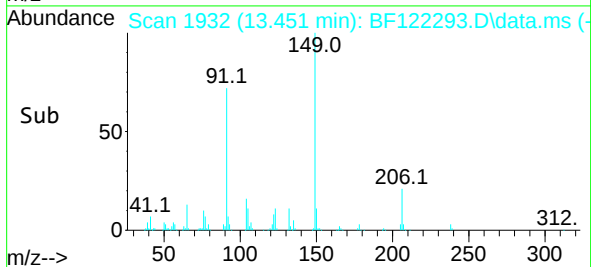
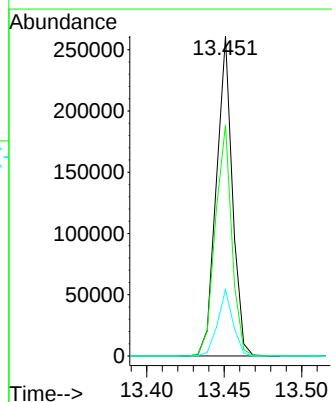
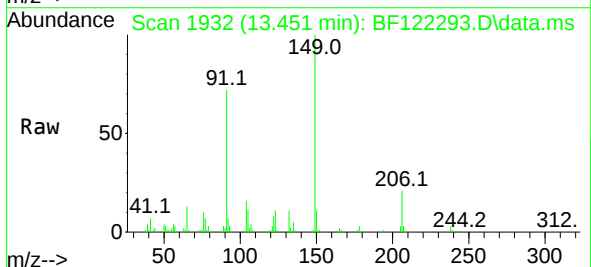
Manual Integrations
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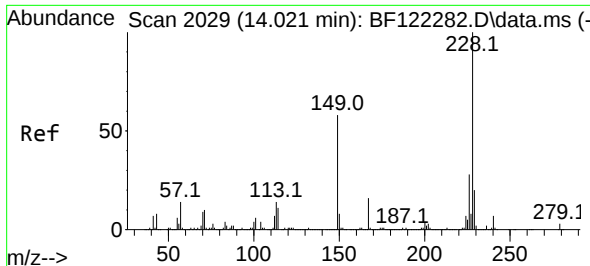
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#80
 Butylbenzylphthalate
 Concen: 8.12 ng
 RT: 13.451 min Scan# 1932
 Delta R.T. -0.005 min
 Lab File: BF122293.D
 Acq: 10 Nov 2020 12:17

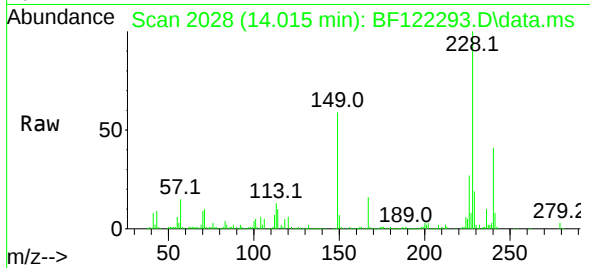
Tgt Ion:149 Resp: 187732
 Ion Ratio Lower Upper
 149 100
 91 72.2 61.0 91.4
 206 20.8 16.7 25.1





#81
Benzo(a)anthracene
Concen: 9.33 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

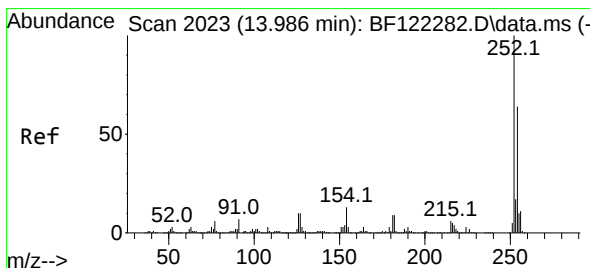
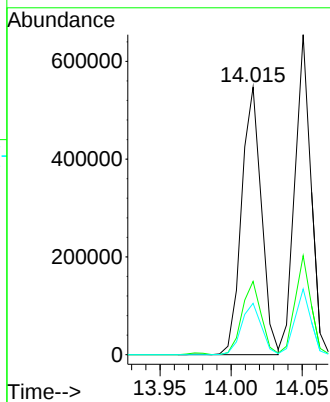
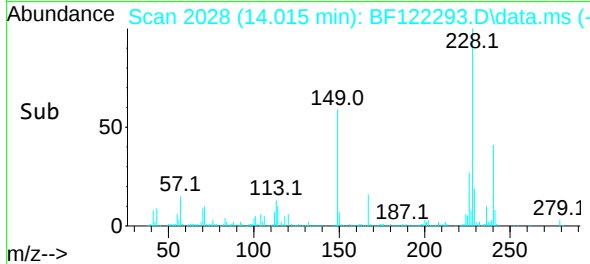
Instrument :
BNA_F
ClientSampleId :
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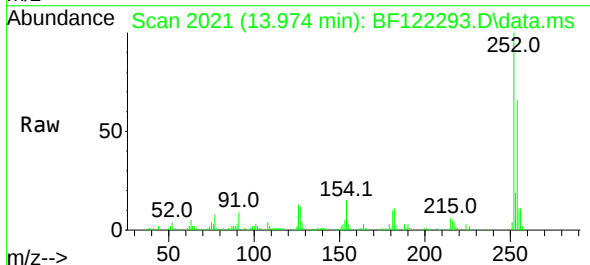
Tgt Ion:228 Resp: 531121
Ion Ratio Lower Upper
228 100
226 27.4 22.3 33.5
229 19.2 16.2 24.4

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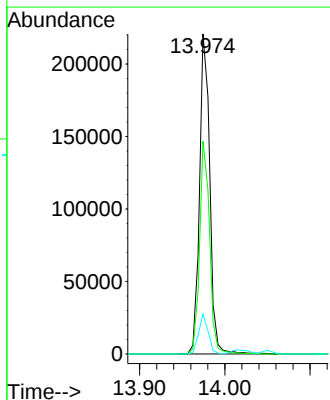
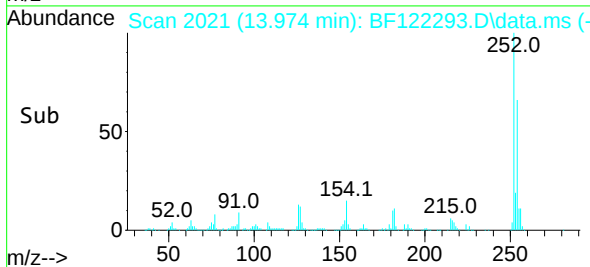
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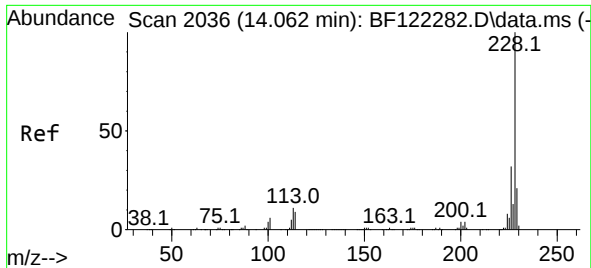


#82
3,3'-Dichlorobenzidine
Concen: 8.69 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.011 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

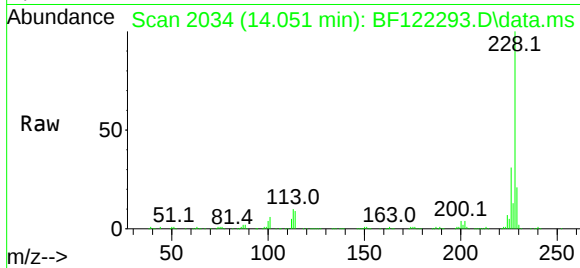


Tgt Ion:252 Resp: 184530
Ion Ratio Lower Upper
252 100
254 66.5 51.8 77.6
126 12.5 8.8 13.2





#83
Chrysene
Concen: 8.98 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.011 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

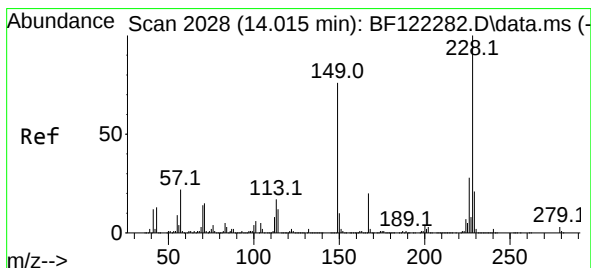
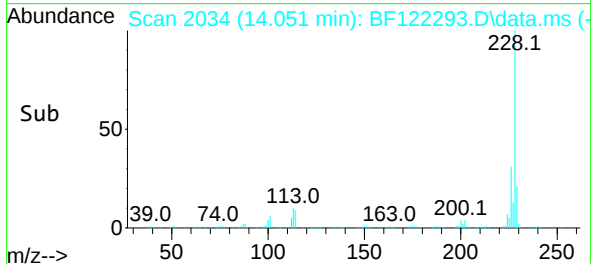
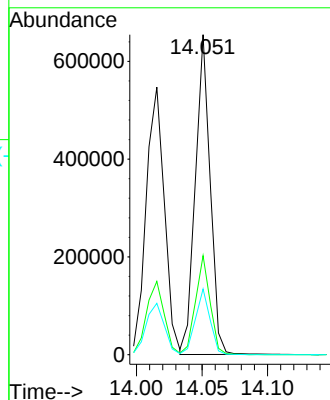


Tgt Ion:228 Resp: 515085
Ion Ratio Lower Upper
228 100
226 30.9 24.6 37.0
229 20.6 15.9 23.9

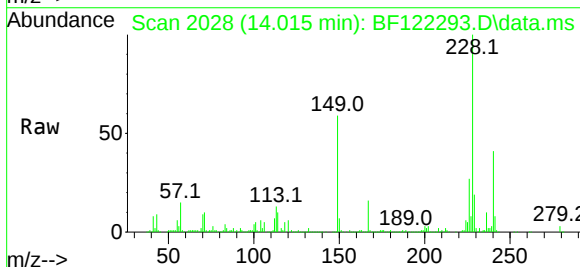
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

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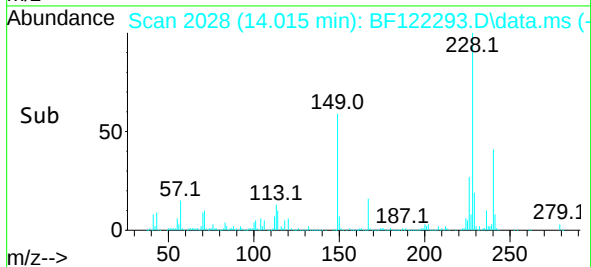
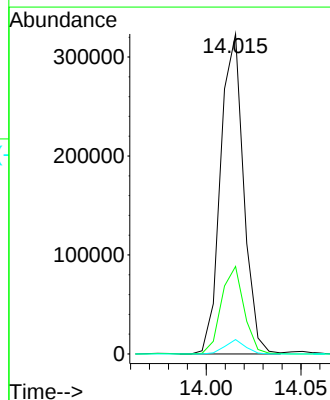
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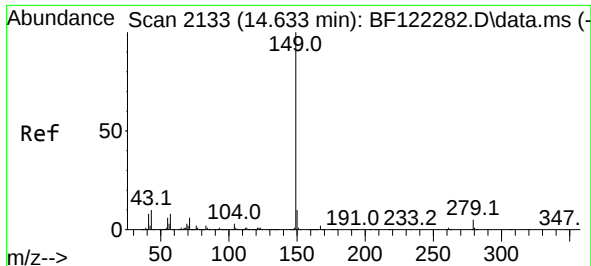


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.84 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



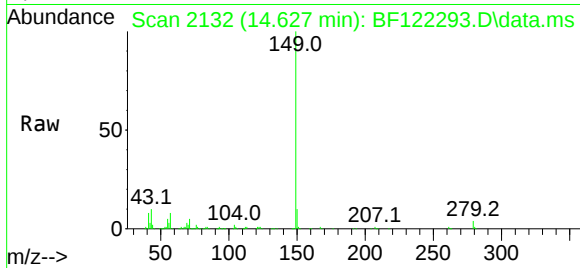
Tgt Ion:149 Resp: 274274
Ion Ratio Lower Upper
149 100
167 27.4 20.9 31.3
279 4.5 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 8.05 ng
RT: 14.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

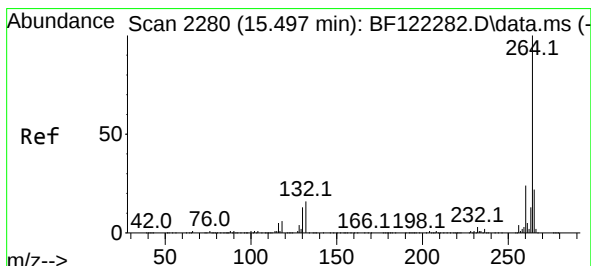
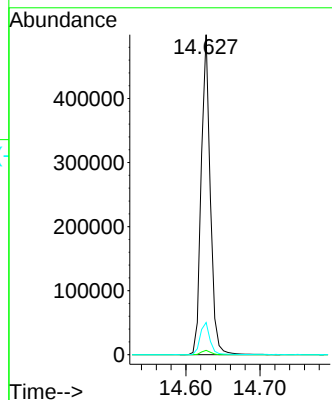
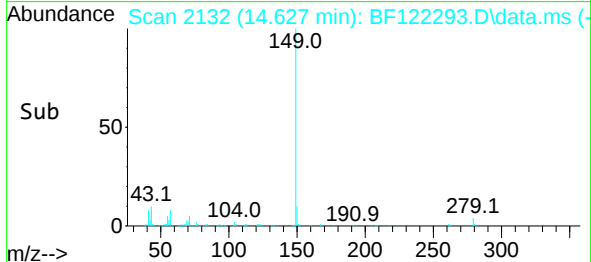
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



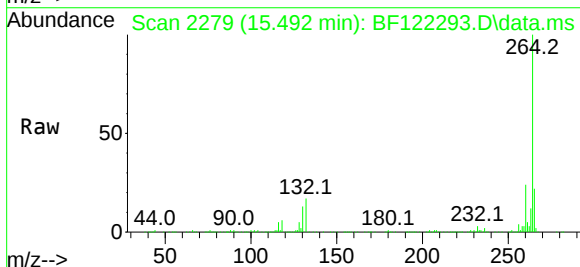
Tgt Ion:149 Resp: 423041
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 10.9 9.0 13.6

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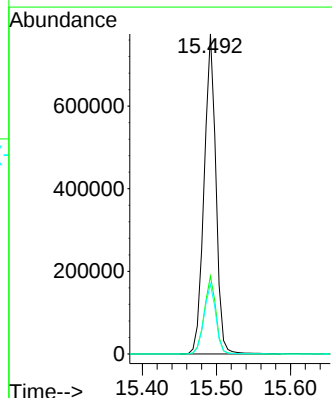
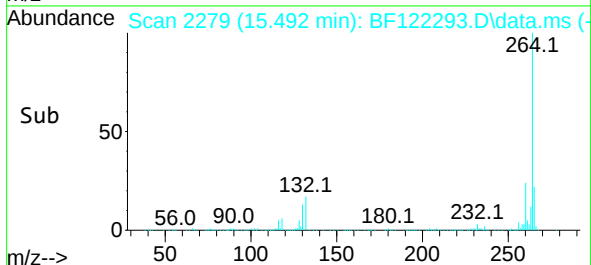
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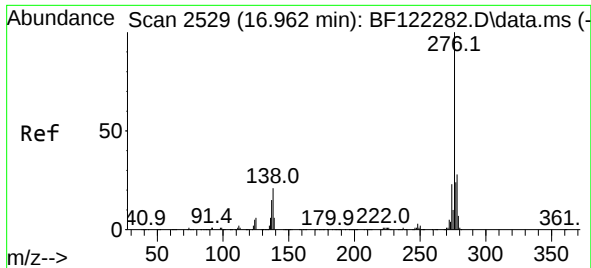


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



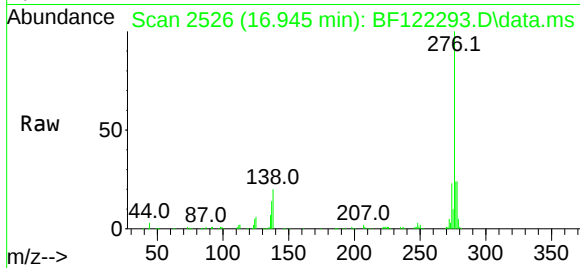
Tgt Ion:264 Resp: 856507
Ion Ratio Lower Upper
264 100
260 24.4 18.7 28.1
265 21.8 17.3 25.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.52 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.017 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

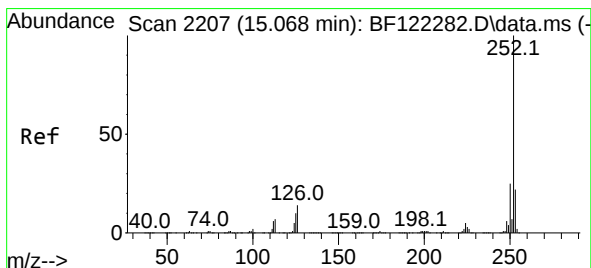
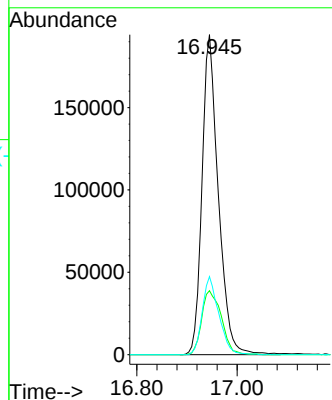
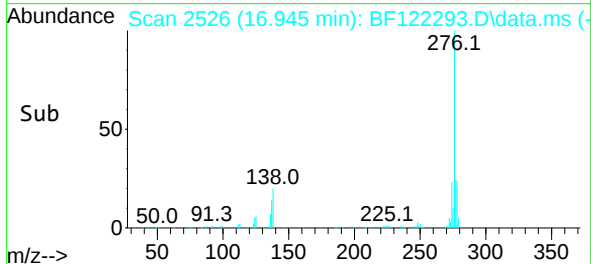
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



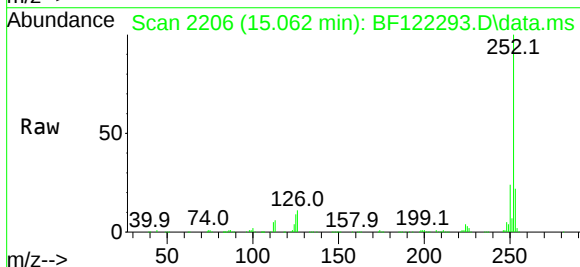
Tgt Ion:276 Resp: 438104
Ion Ratio Lower Upper
276 100
138 24.2 19.9 29.9
277 24.8 20.4 30.6

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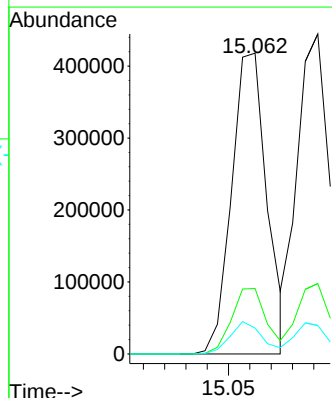
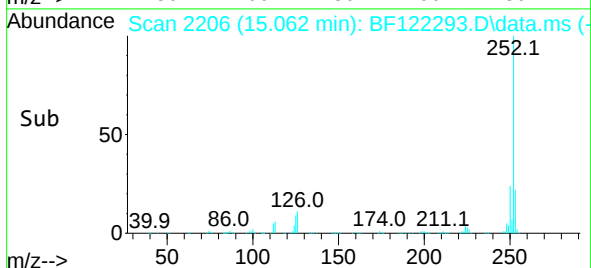
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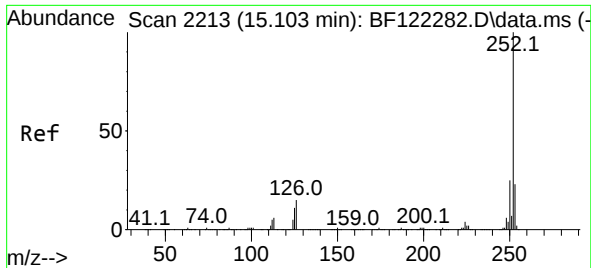


#88
Benzo(b)fluoranthene
Concen: 8.69 ng
RT: 15.062 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17



Tgt Ion:252 Resp: 482251
Ion Ratio Lower Upper
252 100
253 21.7 18.2 27.2
125 8.6 8.0 12.0





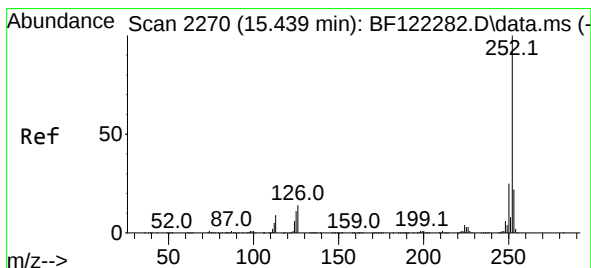
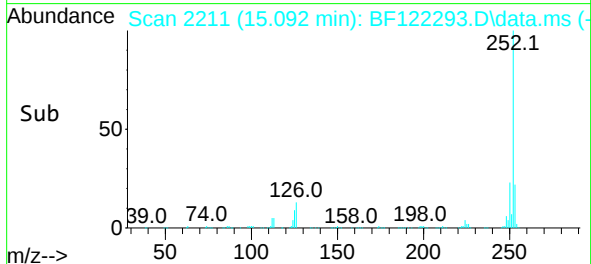
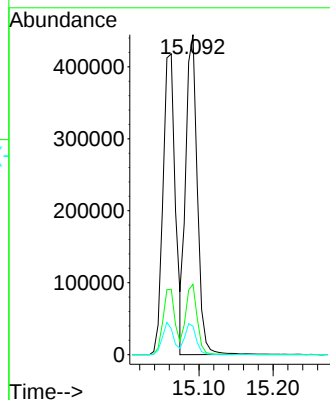
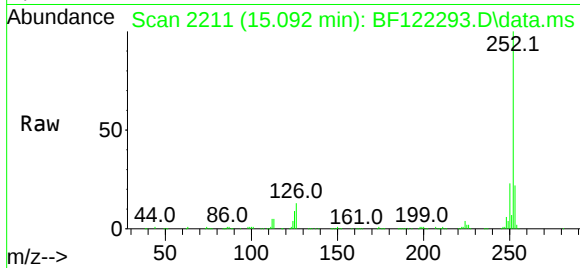
#89
Benzo(k)fluoranthene
Concen: 8.93 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.011 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:252 Resp: 483158
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 8.9 7.7 11.5

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

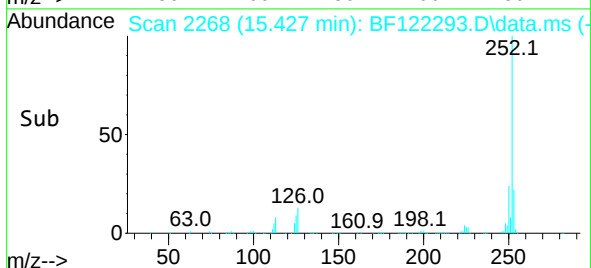
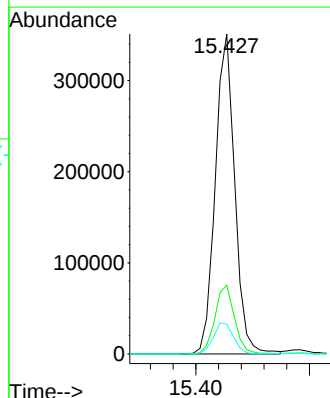
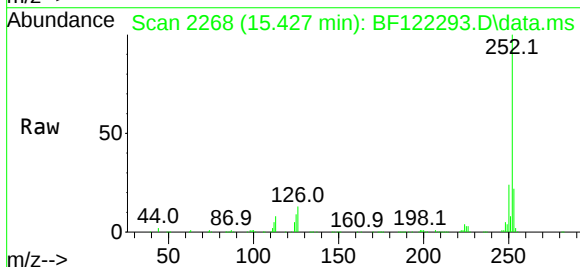
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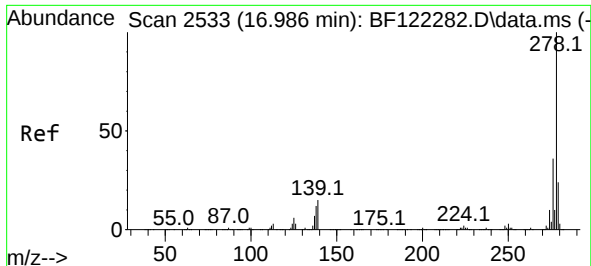
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#90
Benzo(a)pyrene
Concen: 8.64 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.011 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion:252 Resp: 417622
Ion Ratio Lower Upper
252 100
253 21.5 17.3 25.9
125 9.3 8.6 13.0





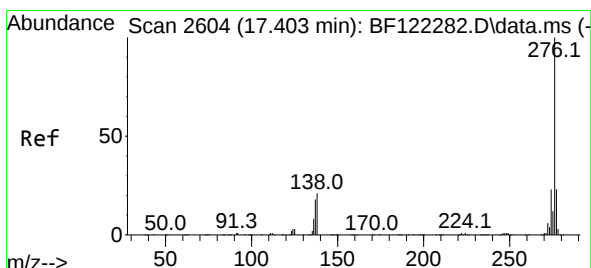
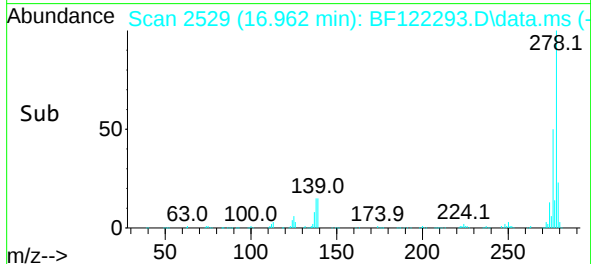
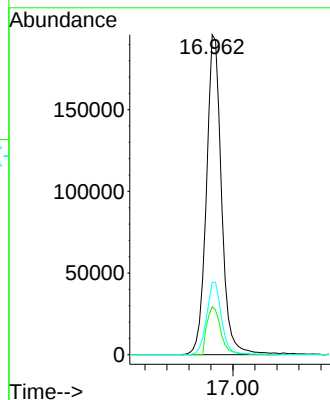
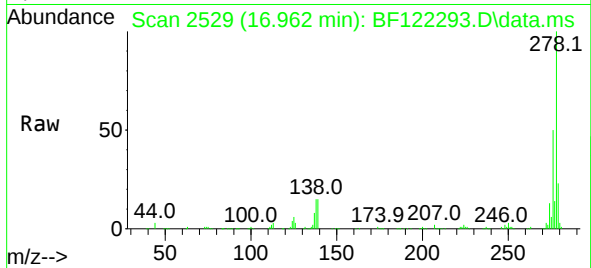
#91
Dibenzo(a,h)anthracene
Concen: 8.69 ng
RT: 16.962 min Scan# 2529
Delta R.T. -0.023 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion: 278 Resp: 373902
Ion Ratio Lower Upper
278 100
139 15.0 13.0 19.4
279 22.6 19.0 28.4

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:57 AM



#92
Benzo(g,h,i)perylene
Concen: 8.43 ng
RT: 17.380 min Scan# 2600
Delta R.T. -0.023 min
Lab File: BF122293.D
Acq: 10 Nov 2020 12:17

Tgt Ion: 276 Resp: 353053
Ion Ratio Lower Upper
276 100
277 24.0 19.4 29.2
138 19.9 17.8 26.6

