

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111120\
 Data File : BF122307.D
 Acq On : 11 Nov 2020 11:12
 Operator : JU/CG
 Sample : L4214-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2020

Quant Time: Nov 11 11:42:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 11 11:01:10 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	320551	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	1143669	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	597994	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	1074740	20.00	ng	0.00
76) Chrysene-d12	14.027	240	961685	20.00	ng	0.00
86) Perylene-d12	15.498	264	856350	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	2775736	132.96	ng	0.00
7) Phenol-d6	6.498	99	3525692	129.10	ng	0.00
23) Nitrobenzene-d5	7.433	82	2358264	126.24	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	1011089	157.54	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	3753243	98.07	ng	0.00
79) Terphenyl-d14	12.986	244	4267263	94.00	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.640	88	82102	8.58	ng	90
3) Pyridine	3.422	79	211756	8.04	ng	95
4) n-Nitrosodimethylamine	3.316	42	100388	8.09	ng	96
6) Aniline	6.534	93	300313	8.38	ng	98
8) 2-Chlorophenol	6.651	128	187002	8.64	ng	96
9) Benzaldehyde	6.416	77	158443	10.29	ng	97
10) Phenol	6.504	94	229708	8.54	ng	83
11) bis(2-Chloroethyl)ether	6.604	93	184093	8.61	ng	92
12) 1,3-Dichlorobenzene	6.810	146	214590	8.73	ng	96
13) 1,4-Dichlorobenzene	6.886	146	220471	8.93	ng	97
14) 1,2-Dichlorobenzene	7.039	146	203826	8.85	ng	99
15) Benzyl Alcohol	6.998	79	147519	7.60	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.139	45	264731	8.50	ng	99
17) 2-Methylphenol	7.104	107	155161	8.59	ng	99
18) Hexachloroethane	7.381	117	75469	8.78	ng	97
19) n-Nitroso-di-n-propyla...	7.275	70	141691	8.68	ng	99
20) 3+4-Methylphenols	7.263	107	197163	8.87	ng	# 82
22) Acetophenone	7.269	105	276232	9.27	ng	# 88
24) Nitrobenzene	7.445	77	212240	9.93	ng	97
25) Isophorone	7.681	82	366725	8.81	ng	99
26) 2-Nitrophenol	7.763	139	69969	9.70	ng	98
27) 2,4-Dimethylphenol	7.792	122	169590	8.63	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	229785	9.02	ng	100
29) 2,4-Dichlorophenol	7.998	162	154244	8.87	ng	97
30) 1,2,4-Trichlorobenzene	8.092	180	175424	9.14	ng	97
31) Naphthalene	8.169	128	567176	9.33	ng	99
32) Benzoic acid	7.851	122	52403	5.91	ng	94
33) 4-Chloroaniline	8.216	127	232833	8.79	ng	96
34) Hexachlorobutadiene	8.292	225	101541	9.20	ng	99
35) Caprolactam	8.551	113	47762	8.66	ng	# 85
36) 4-Chloro-3-methylphenol	8.686	107	159462	8.79	ng	93
37) 2-Methylnaphthalene	8.863	142	375871	9.36	ng	99
38) 1-Methylnaphthalene	8.963	142	347045	9.23	ng	98
40) 1,2,4,5-Tetrachloroben...	9.027	216	173149	9.40	ng	98
41) Hexachlorocyclopentadiene	9.022	237	90672	8.42	ng	97
43) 2,4,6-Trichlorophenol	9.133	196	106319	8.88	ng	98

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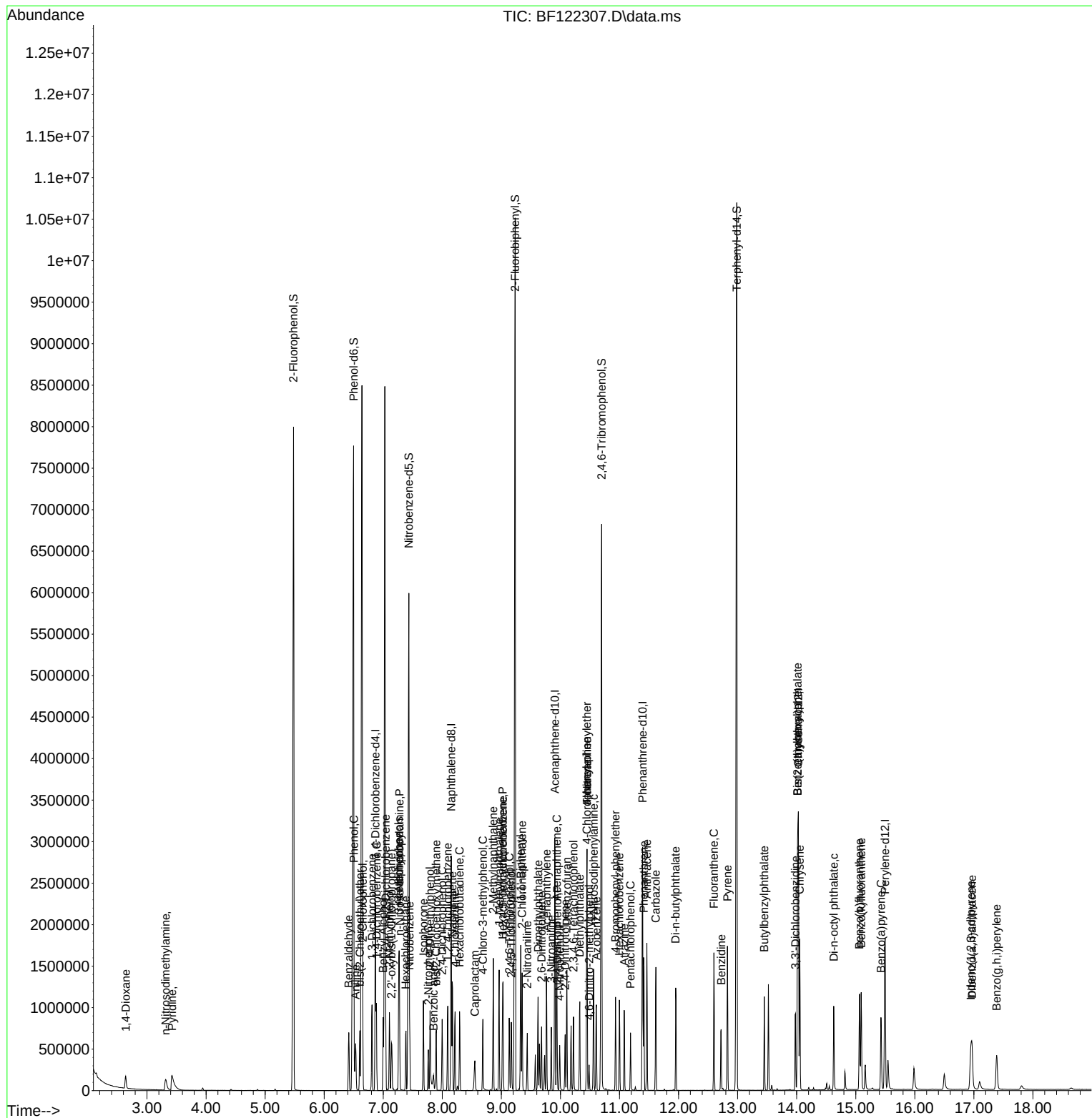
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	108412	8.64	ng	99
46) 1,1'-Biphenyl	9.327	154	460877	9.68	ng	97
47) 2-Chloronaphthalene	9.351	162	354780	9.39	ng	97
48) 2-Nitroaniline	9.439	65	91416	9.86	ng	93
49) Acenaphthylene	9.763	152	536906	9.25	ng	100
50) Dimethylphthalate	9.622	163	396551	9.33	ng	99
51) 2,6-Dinitrotoluene	9.680	165	79830	9.71	ng	94
52) Acenaphthene	9.939	154	338213	9.41	ng	98
53) 3-Nitroaniline	9.845	138	89600	9.44	ng	96
54) 2,4-Dinitrophenol	9.945	184	17014	6.78	ng	# 1
55) Dibenzofuran	10.110	168	495895	9.42	ng	99
56) 4-Nitrophenol	9.986	139	67924	8.37	ng	83
57) 2,4-Dinitrotoluene	10.080	165	97887	9.85	ng	92
58) Fluorene	10.451	166	395587	9.81	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.222	232	95349	9.14	ng	97
60) Diethylphthalate	10.327	149	388277	9.31	ng	98
61) 4-Chlorophenyl-phenyle...	10.445	204	185518	9.75	ng	97
62) 4-Nitroaniline	10.451	138	86316	9.24	ng	94
63) Azobenzene	10.610	77	404156	9.24	ng	96
65) 4,6-Dinitro-2-methylph...	10.486	198	29828	7.30	ng	93
66) n-Nitrosodiphenylamine	10.563	169	339705	9.28	ng	95
67) 4-Bromophenyl-phenylether	10.933	248	117329	9.29	ng	94
68) Hexachlorobenzene	10.998	284	128441	9.41	ng	96
69) Atrazine	11.080	200	94760	10.39	ng	99
70) Pentachlorophenol	11.186	266	65285	8.30	ng	97
71) Phenanthrene	11.410	178	587630	9.64	ng	99
72) Anthracene	11.463	178	599168	9.53	ng	99
73) Carbazole	11.616	167	529855	9.27	ng	98
74) Di-n-butylphthalate	11.951	149	577235	9.47	ng	99
75) Fluoranthene	12.598	202	597125	9.38	ng	97
77) Benzidine	12.721	184	275628	10.33	ng	96
78) Pyrene	12.827	202	621549	9.20	ng	99
80) Butylbenzylphthalate	13.451	149	208532	8.59	ng	99
81) Benzo(a)anthracene	14.015	228	552208	9.23	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	194335	8.72	ng	99
83) Chrysene	14.051	228	548709	9.11	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	298174	9.15	ng	98
85) Di-n-octyl phthalate	14.627	149	445973	8.08	ng	99
87) Indeno(1,2,3-cd)pyrene	16.950	276	420013	8.17	ng	98
88) Benzo(b)fluoranthene	15.062	252	513556	9.26	ng	98
89) Benzo(k)fluoranthene	15.092	252	487186	9.01	ng	98
90) Benzo(a)pyrene	15.427	252	419507	8.68	ng	100
91) Dibenzo(a,h)anthracene	16.968	278	348176	8.09	ng	98
92) Benzo(g,h,i)perylene	17.386	276	334611	7.99	ng	100

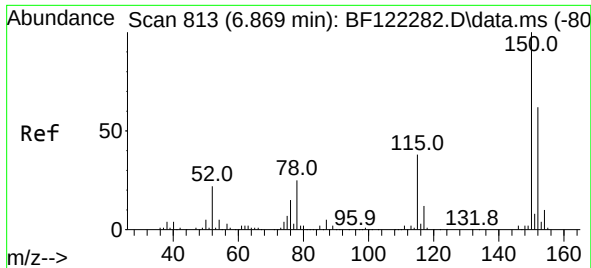
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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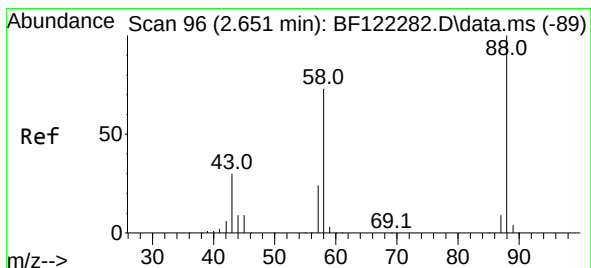
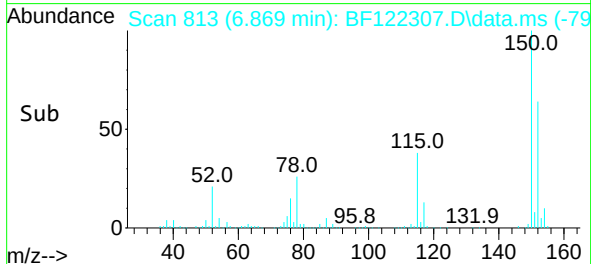
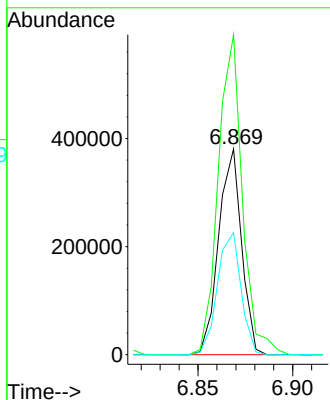
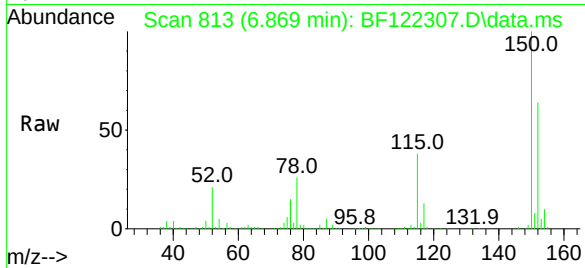




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.869 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: BF122307.D
 Acq: 11 Nov 2020 11:12

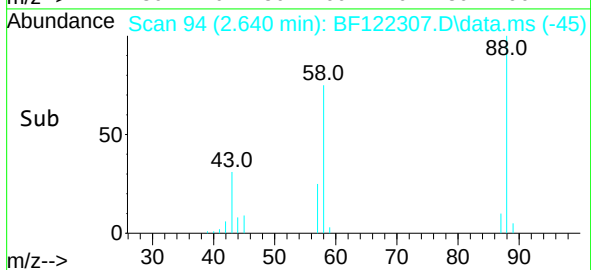
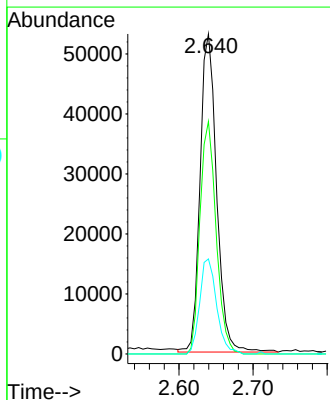
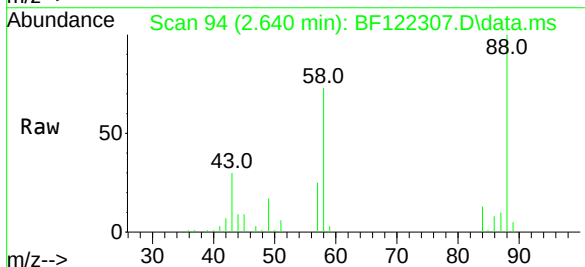
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2020

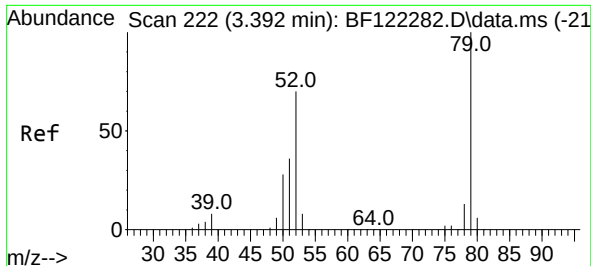
Tgt Ion:152 Resp: 320551
 Ion Ratio Lower Upper
 152 100
 150 155.6 125.3 187.9
 115 59.3 51.9 77.9



#2
 1,4-Dioxane
 Concen: 8.58 ng
 RT: 2.640 min Scan# 94
 Delta R.T. -0.012 min
 Lab File: BF122307.D
 Acq: 11 Nov 2020 11:12

Tgt Ion: 88 Resp: 82102
 Ion Ratio Lower Upper
 88 100
 58 71.4 65.8 98.8
 43 30.6 25.8 38.8

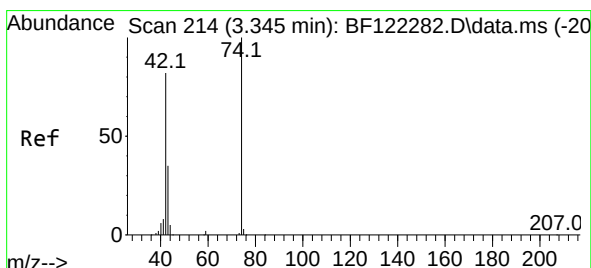
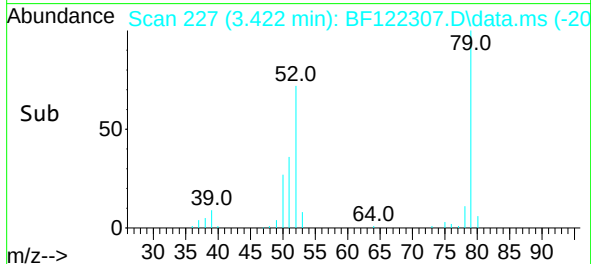
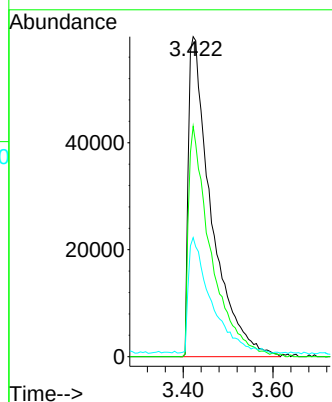
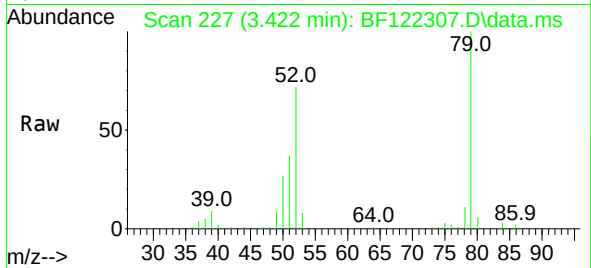




#3
Pyridine
Concen: 8.04 ng
RT: 3.422 min Scan# 227
Delta R.T. 0.030 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

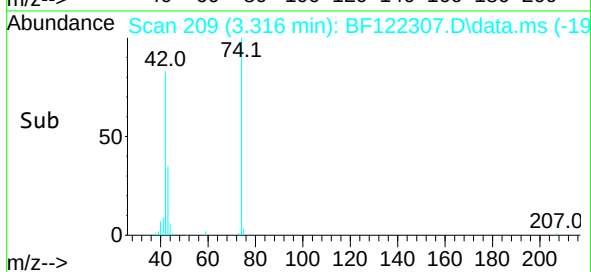
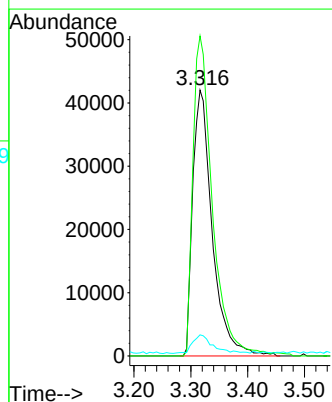
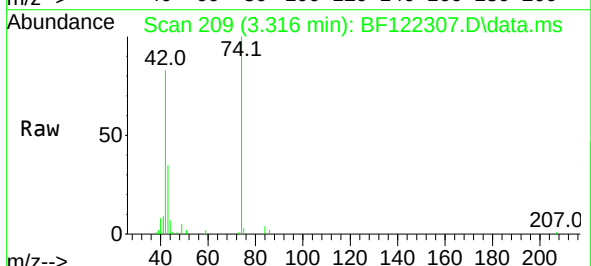
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ClientSampleId :
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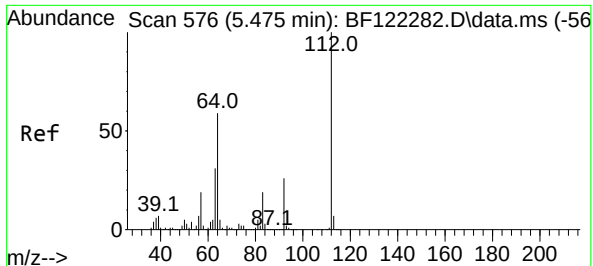
Tgt Ion: 79 Resp: 211756
Ion Ratio Lower Upper
79 100
52 72.0 62.2 93.4
51 37.2 31.1 46.7



#4
n-Nitrosodimethylamine
Concen: 8.09 ng
RT: 3.316 min Scan# 209
Delta R.T. -0.029 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion: 42 Resp: 100388
Ion Ratio Lower Upper
42 100
74 120.4 100.2 150.2
44 8.0 5.8 8.6

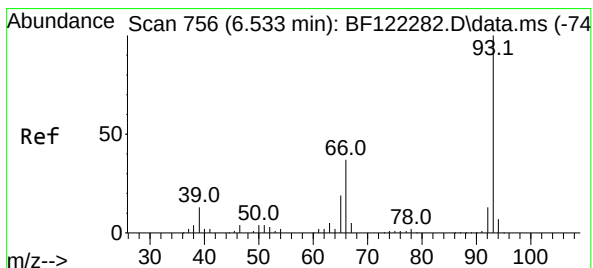
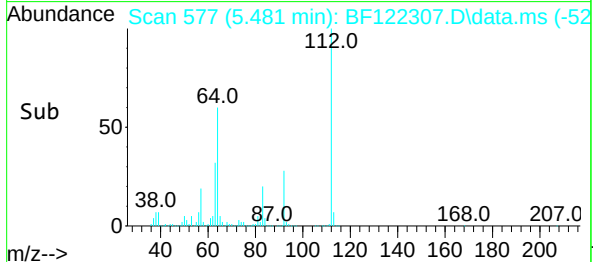
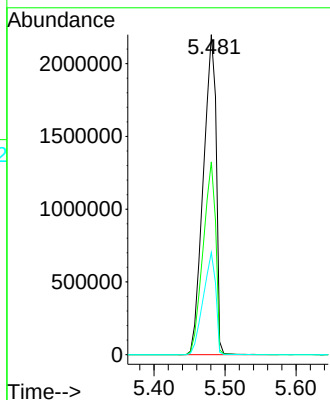
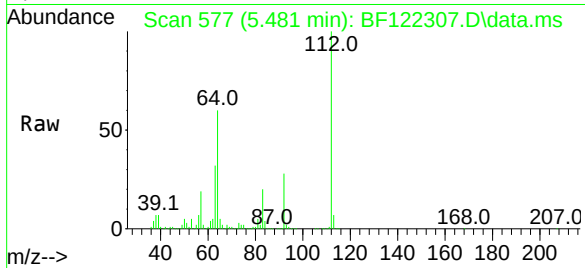




#5
2-Fluorophenol
Concen: 132.96 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

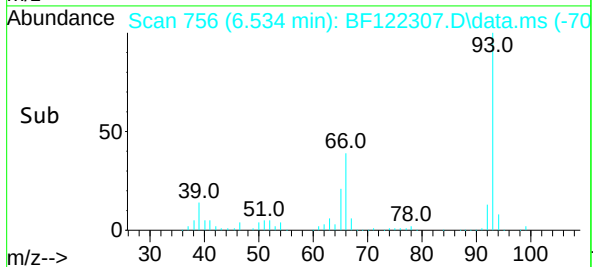
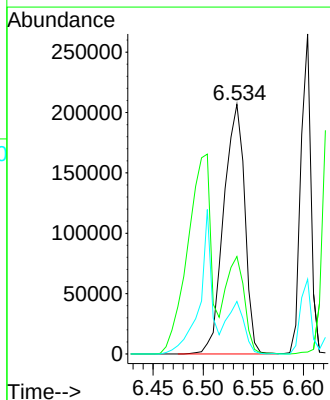
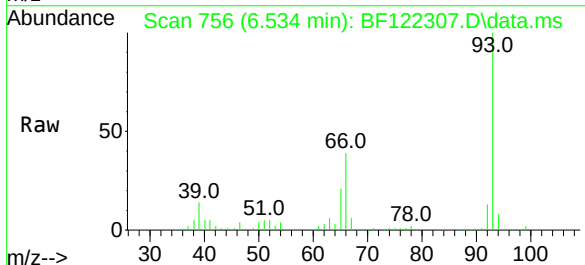
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

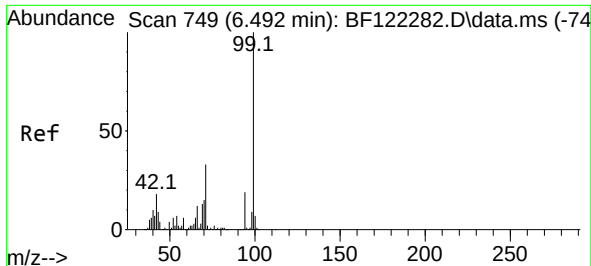
Tgt Ion:112 Resp: 2775736
Ion Ratio Lower Upper
112 100
64 60.3 50.4 75.6
63 32.0 25.8 38.6



#6
Aniline
Concen: 8.38 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion: 93 Resp: 300313
Ion Ratio Lower Upper
93 100
66 39.1 32.7 49.1
65 21.0 16.6 24.8



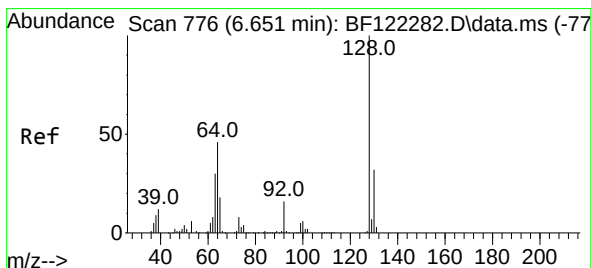
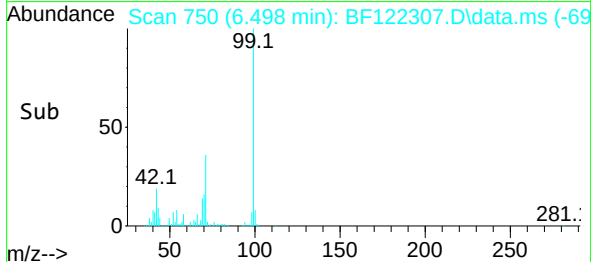
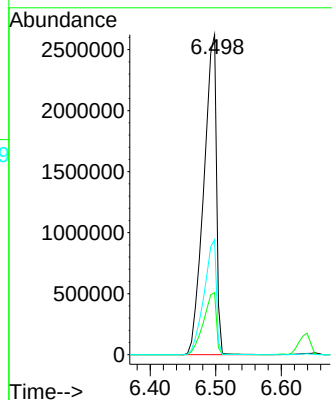
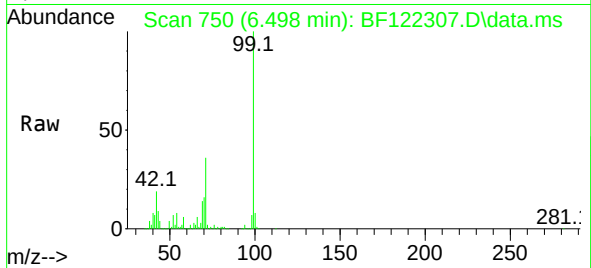


#7
Phenol-d6
Concen: 129.10 ng
RT: 6.498 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

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Tgt Ion: 99 Resp: 3525692

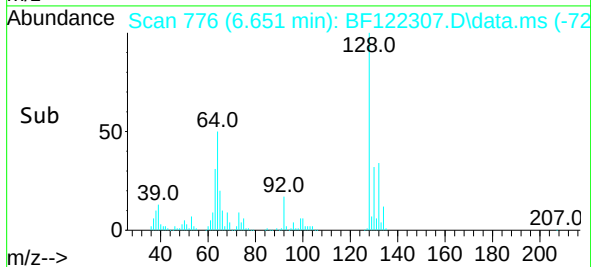
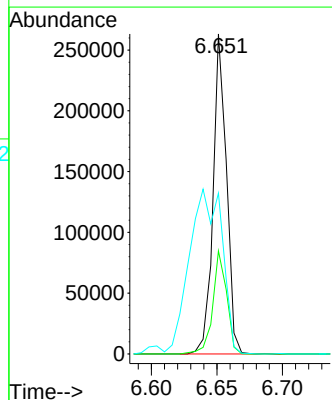
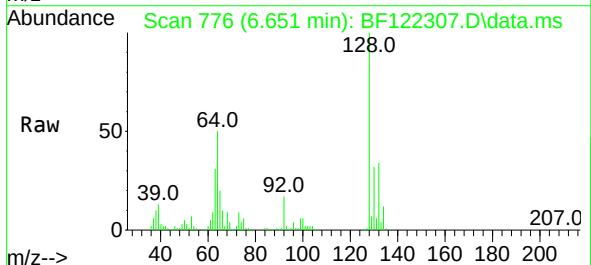
Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.9	23.9
71	35.9	27.1	40.7

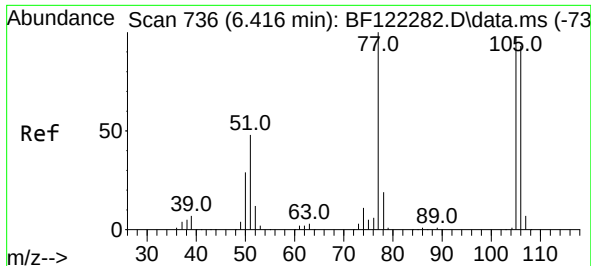


#8
2-Chlorophenol
Concen: 8.64 ng
RT: 6.651 min Scan# 776
Delta R.T. 0.000 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:128 Resp: 187002

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.4	52.4
64	50.2	34.8	74.8

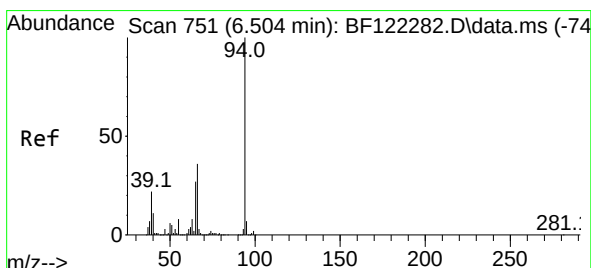
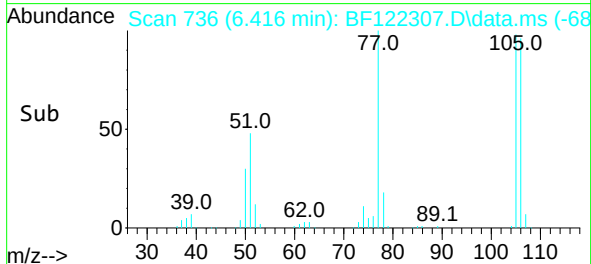
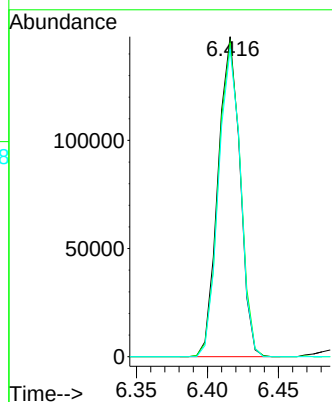
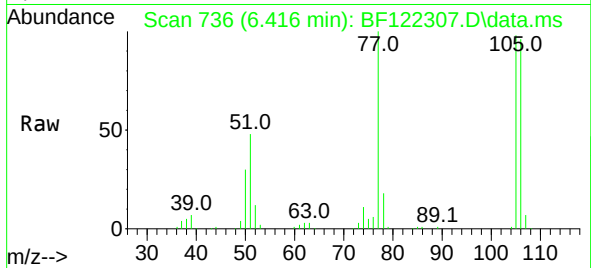




#9
Benzaldehyde
Concen: 10.29 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.000 min
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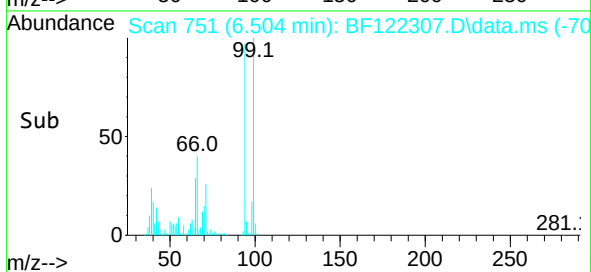
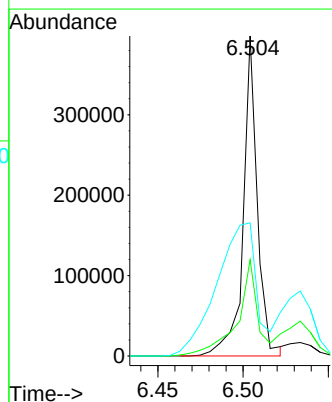
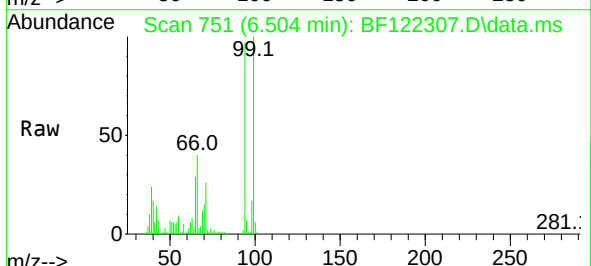
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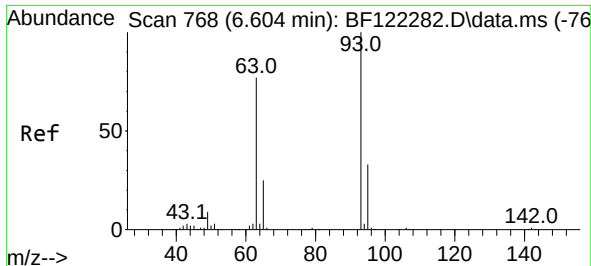
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Ion Ratio Lower Upper
77 100
105 98.1 76.7 116.7
106 96.1 71.3 111.3



#10
Phenol
Concen: 8.54 ng
RT: 6.504 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion: 94 Resp: 229708
Ion Ratio Lower Upper
94 100
65 30.1 17.1 57.1
66 41.6 36.0 76.0

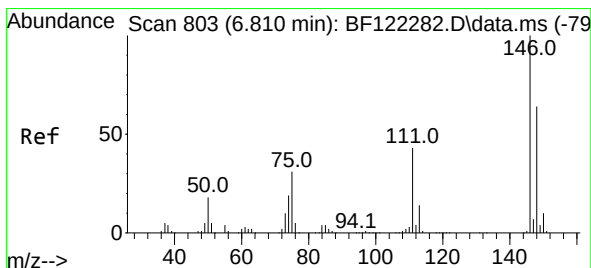
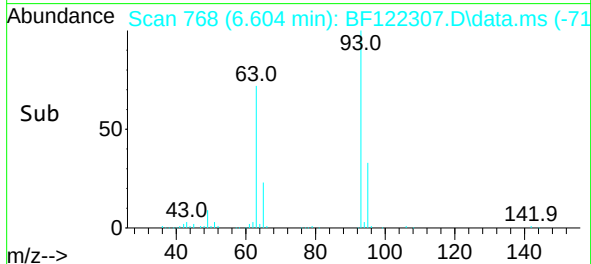
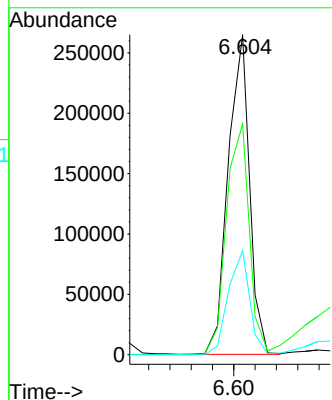
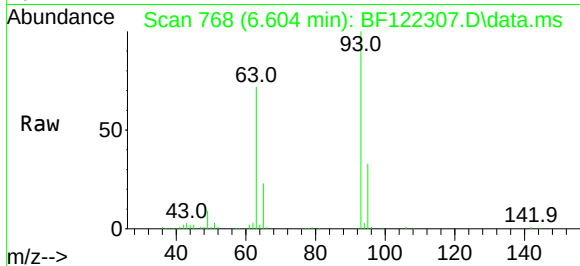




#11
bis(2-Chloroethyl)ether
Concen: 8.61 ng
RT: 6.604 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

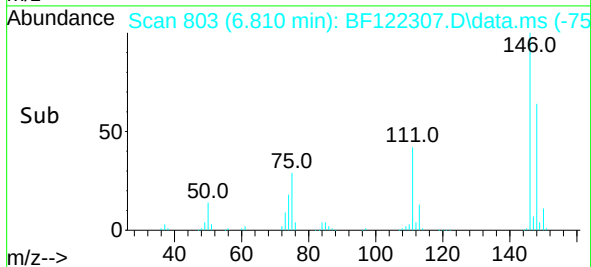
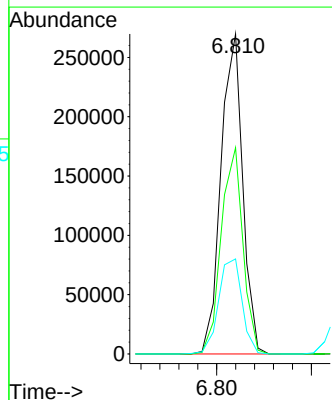
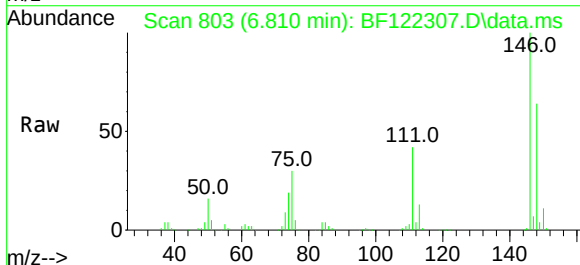
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

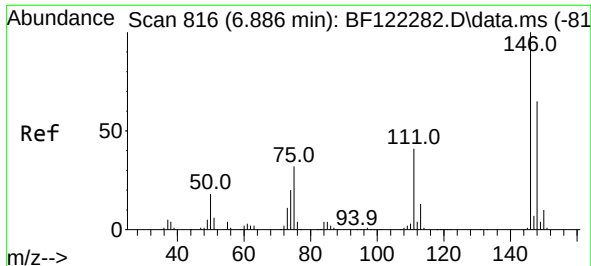
Tgt Ion:	93	Resp:	184093
Ion	Ratio	Lower	Upper
93	100		
63	72.1	62.4	102.4
95	32.5	12.6	52.6



#12
1,3-Dichlorobenzene
Concen: 8.73 ng
RT: 6.810 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:	146	Resp:	214590
Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.0	76.4
75	29.7	27.6	41.4

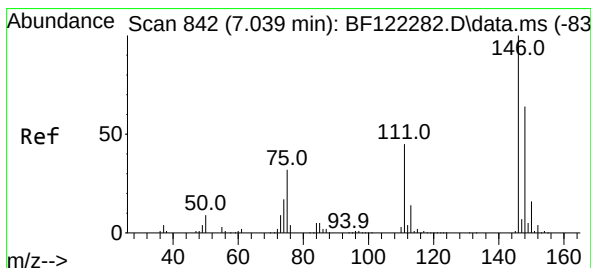
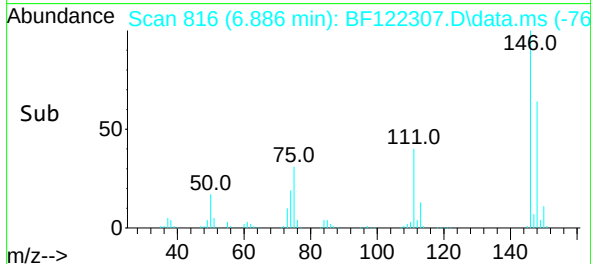
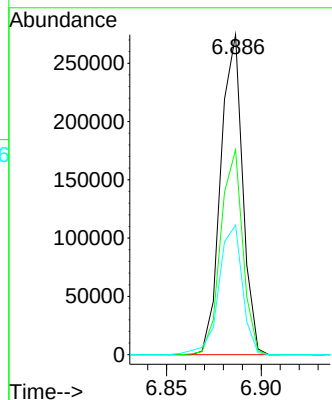
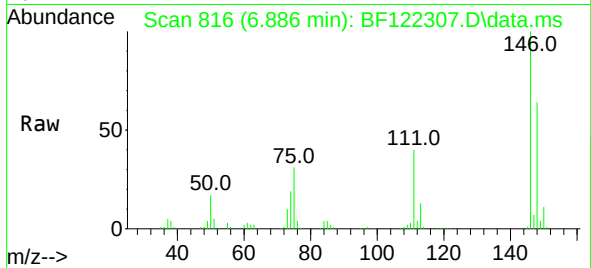




#13
1,4-Dichlorobenzene
Concen: 8.93 ng
RT: 6.886 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

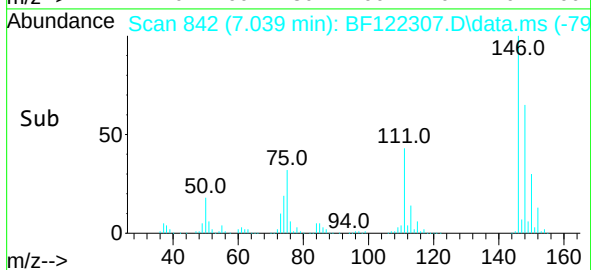
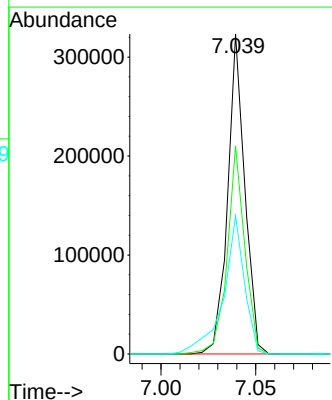
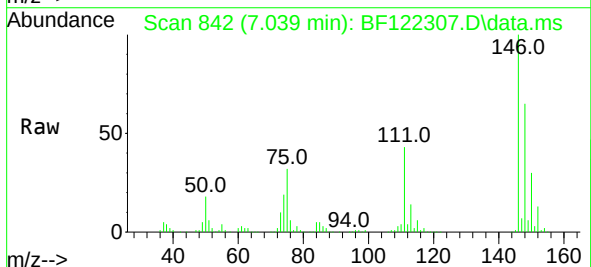
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

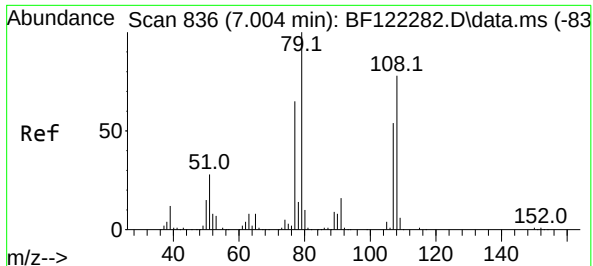
Tgt Ion:146 Resp: 220471
Ion Ratio Lower Upper
146 100
148 64.0 50.1 75.1
111 40.4 34.6 52.0



#14
1,2-Dichlorobenzene
Concen: 8.85 ng
RT: 7.039 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:146 Resp: 203826
Ion Ratio Lower Upper
146 100
148 65.1 51.1 76.7
111 43.2 34.2 51.4





#15

Benzyl Alcohol

Concen: 7.60 ng

RT: 6.998 min Scan# 835

Delta R.T. -0.006 min

Lab File: BF122307.D

Acq: 11 Nov 2020 11:12

Tgt Ion: 79 Resp: 147519

Ion Ratio Lower Upper

79 100

108 76.5 62.3 93.5

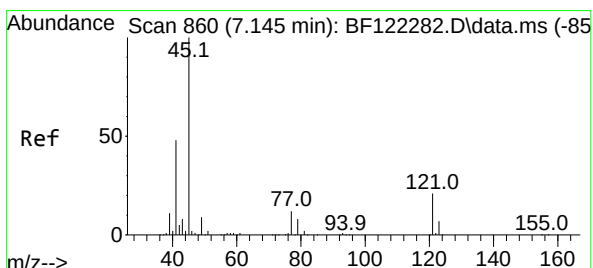
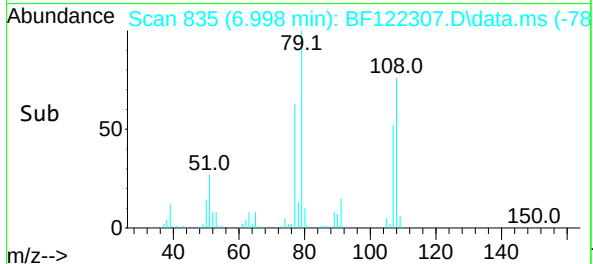
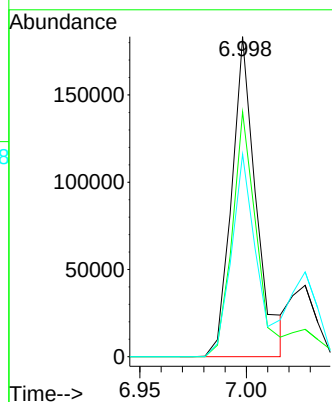
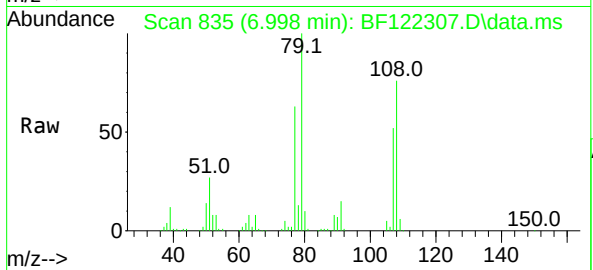
77 63.3 50.6 75.8

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2020



#16

2,2'-oxybis(1-chloropropane)

Concen: 8.50 ng

RT: 7.139 min Scan# 859

Delta R.T. -0.006 min

Lab File: BF122307.D

Acq: 11 Nov 2020 11:12

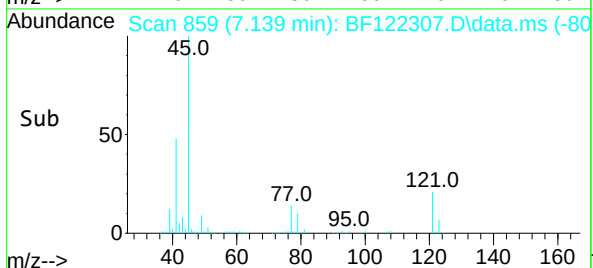
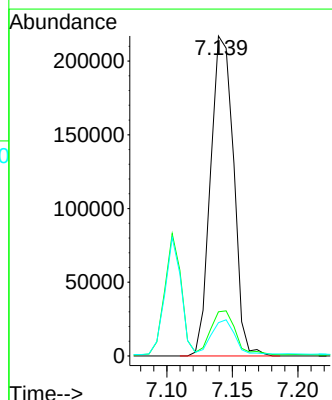
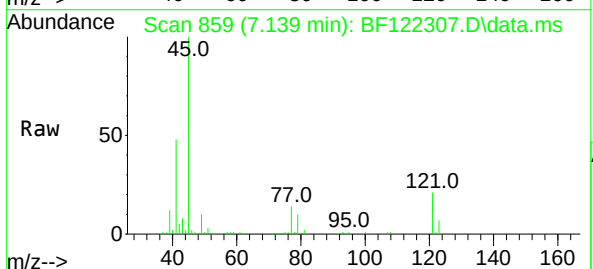
Tgt Ion: 45 Resp: 264731

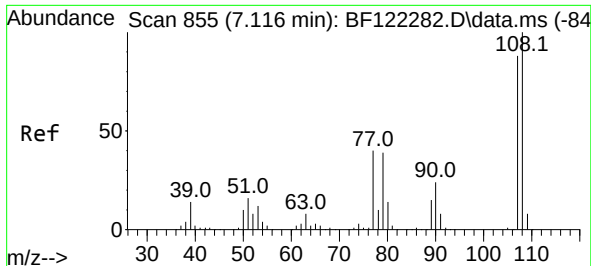
Ion Ratio Lower Upper

45 100

77 13.8 0.0 33.3

79 10.4 0.0 30.4

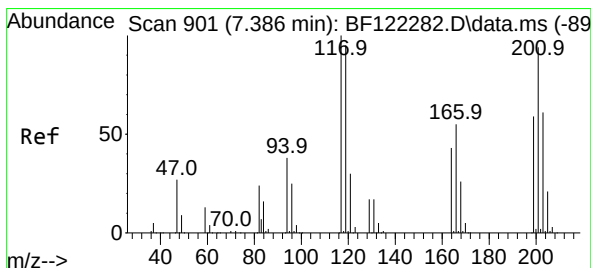
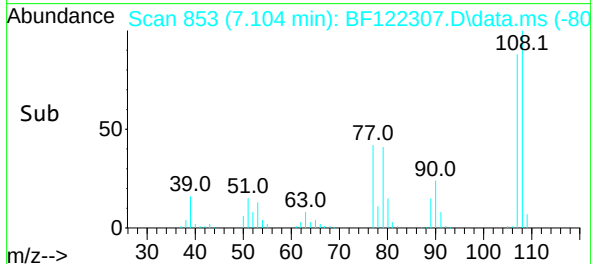
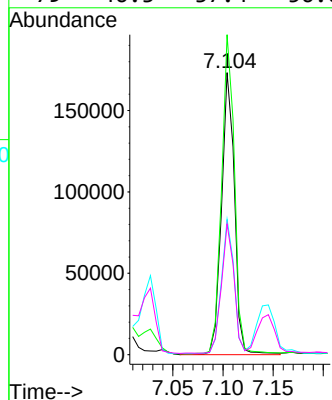
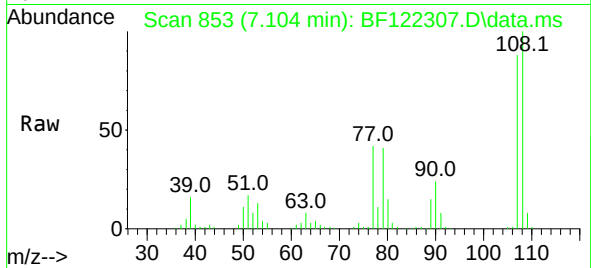




#17
2-Methylphenol
Concen: 8.59 ng
RT: 7.104 min Scan# 853
Delta R.T. -0.012 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

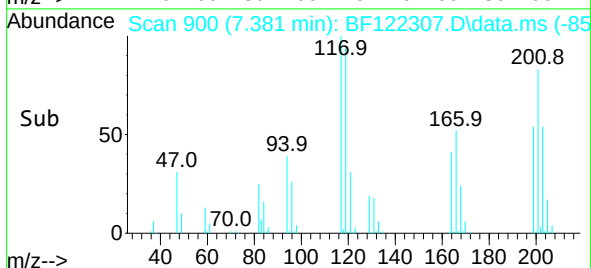
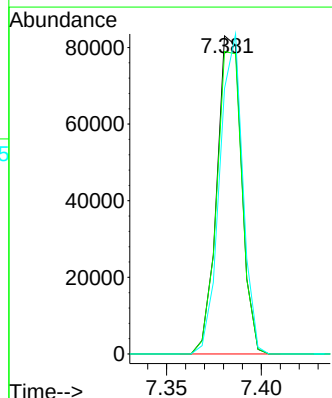
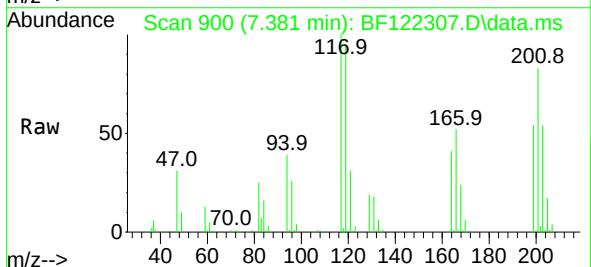
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

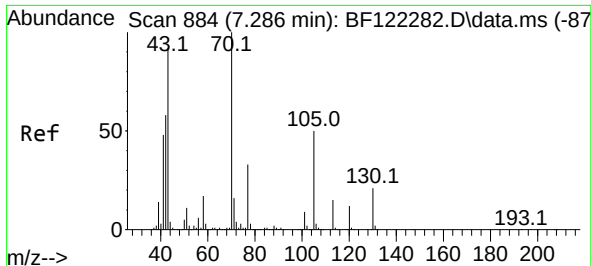
Tgt Ion:	107	Resp:	155161
Ion	Ratio	Lower	Upper
107	100		
108	113.4	90.9	136.3
77	47.9	37.5	56.3
79	46.3	37.4	56.0



#18
Hexachloroethane
Concen: 8.78 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:	117	Resp:	75469
Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.3	114.5
201	83.5	71.8	107.6

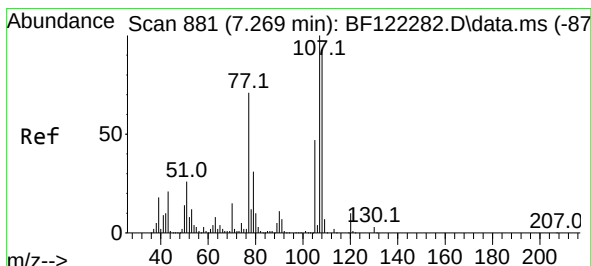
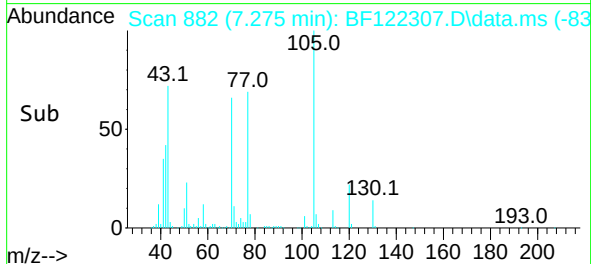
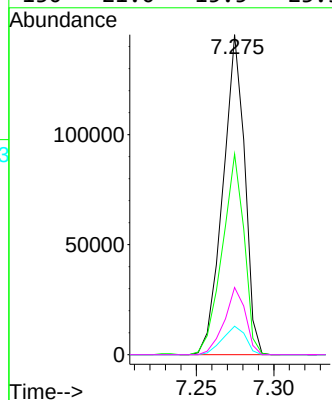
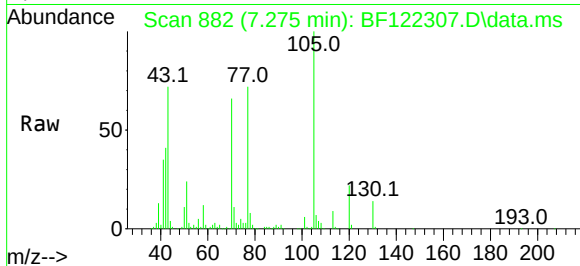




#19
n-Nitroso-di-n-propylamine
Concen: 8.68 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

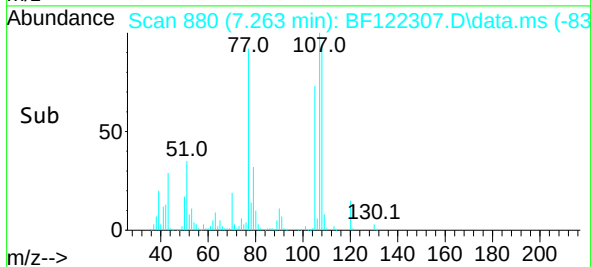
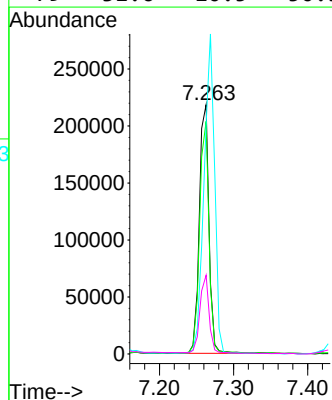
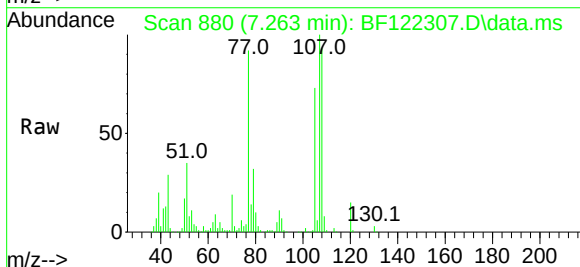
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

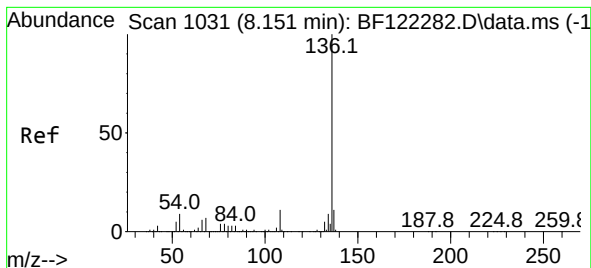
Tgt Ion:	70	Resp:	141691
Ion	Ratio	Lower	Upper
70	100		
42	62.7	50.2	75.4
101	8.9	7.5	11.3
130	21.0	15.5	23.3



#20
3+4-Methylphenols
Concen: 8.87 ng
RT: 7.263 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:	107	Resp:	197163
Ion	Ratio	Lower	Upper
107	100		
108	93.3	68.9	108.9
77	92.0	108.0	148.0#
79	31.6	10.5	50.5



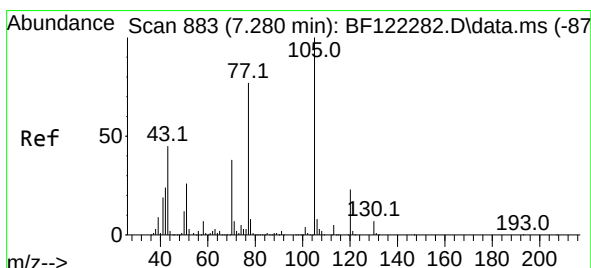
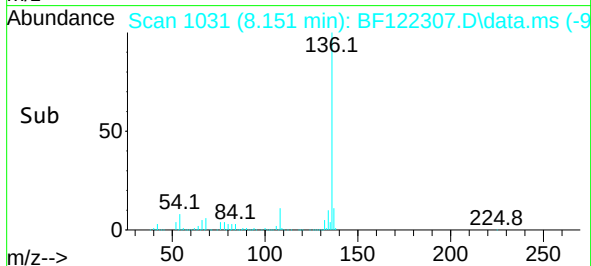
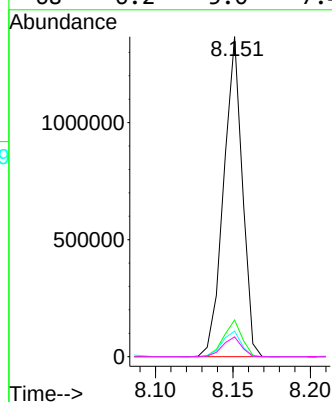
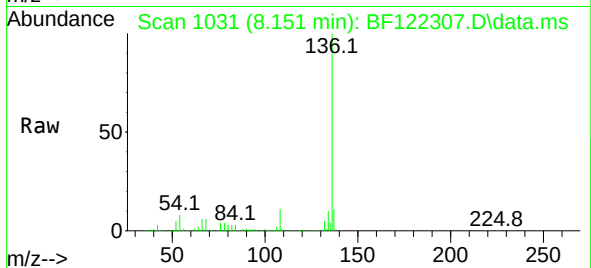


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

Tgt Ion:136 Resp: 1143669

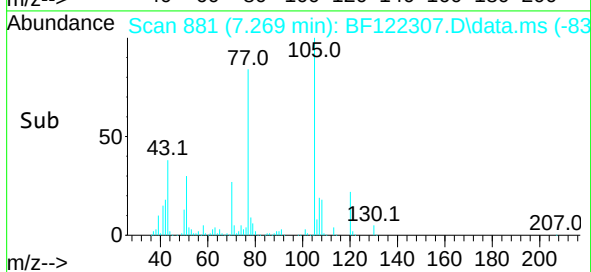
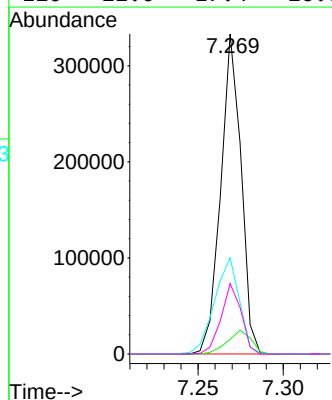
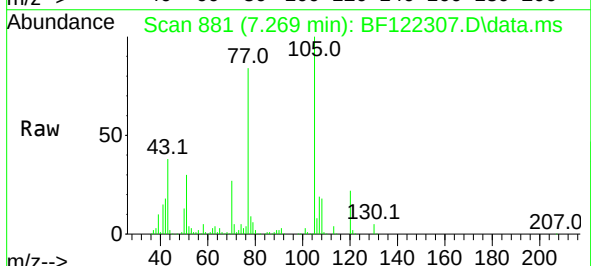
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	8.0	7.1	10.7
68	6.2	5.0	7.4

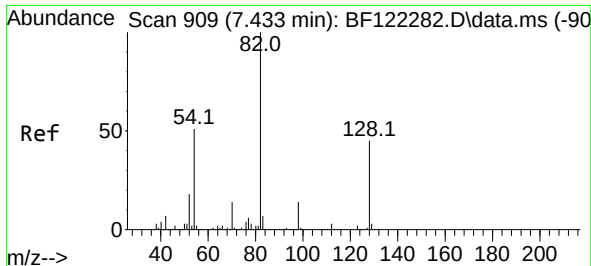


#22
Acetophenone
Concen: 9.27 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:105 Resp: 276232

Ion	Ratio	Lower	Upper
105	100		
71	4.6	5.3	7.9#
51	30.1	33.2	49.8#
120	22.0	17.4	26.0





#23

Nitrobenzene-d5

Concen: 126.24 ng

RT: 7.433 min Scan# 909

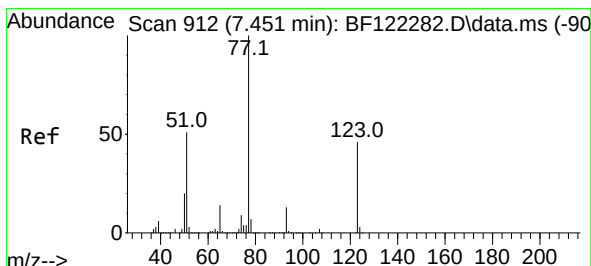
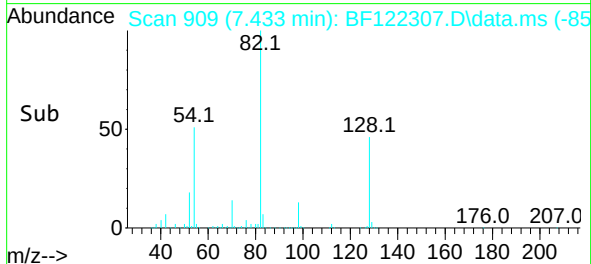
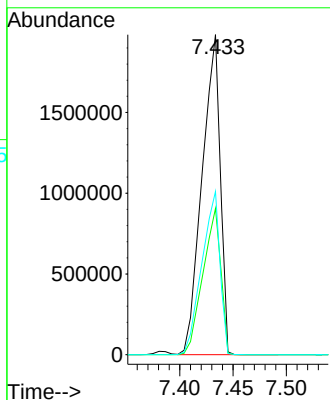
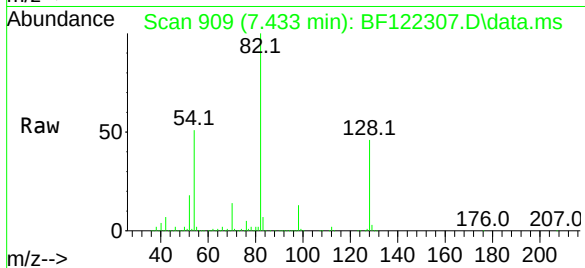
Delta R.T. 0.000 min

Lab File: BF122307.D

Acq: 11 Nov 2020 11:12

Tgt Ion: 82 Resp: 2358264

Ion	Ratio	Lower	Upper
82	100		
128	45.7	35.0	52.4
54	51.0	43.9	65.9



#24

Nitrobenzene

Concen: 9.93 ng

RT: 7.445 min Scan# 911

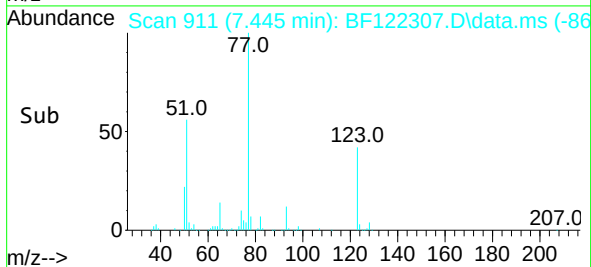
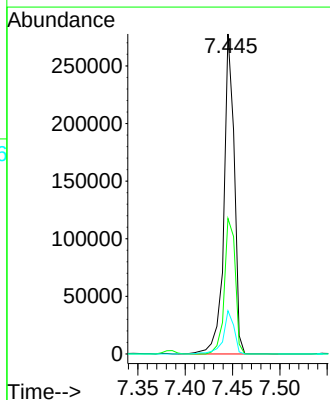
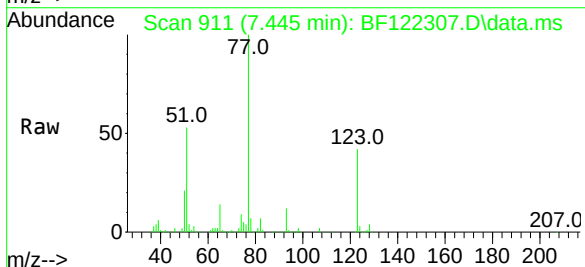
Delta R.T. -0.006 min

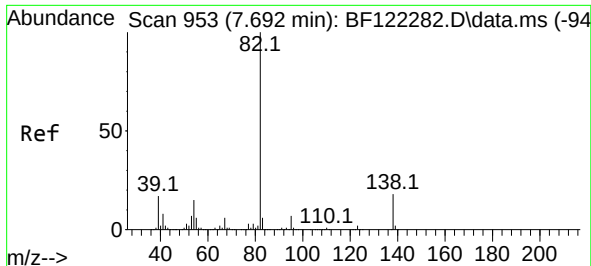
Lab File: BF122307.D

Acq: 11 Nov 2020 11:12

Tgt Ion: 77 Resp: 212240

Ion	Ratio	Lower	Upper
77	100		
123	42.4	35.6	53.4
65	13.5	11.2	16.8

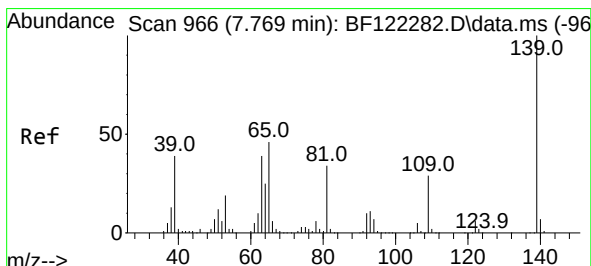
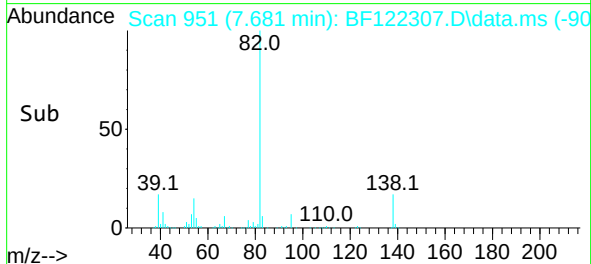
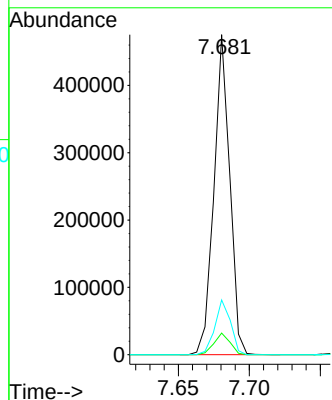
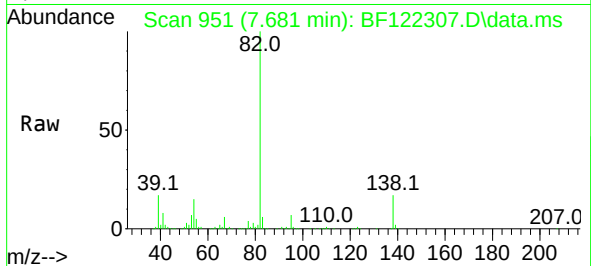




#25
Isophorone
Concen: 8.81 ng
RT: 7.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

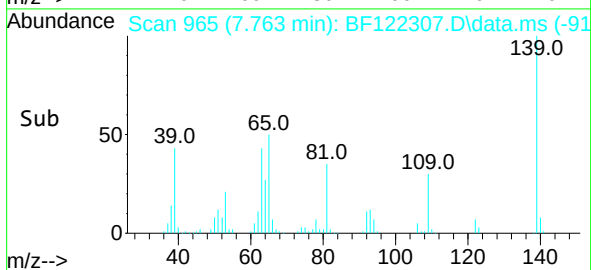
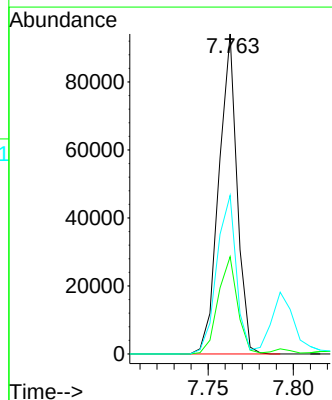
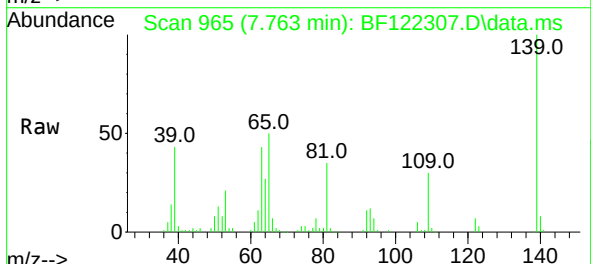
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

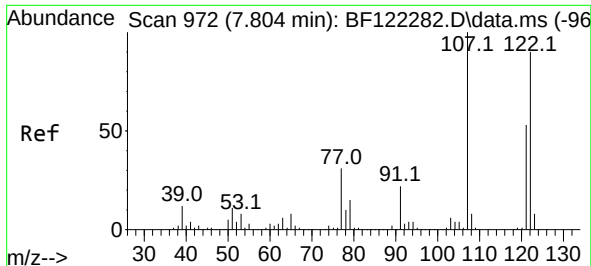
Tgt Ion: 82 Resp: 366725
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 17.1 13.4 20.0



#26
2-Nitrophenol
Concen: 9.70 ng
RT: 7.763 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion: 139 Resp: 69969
Ion Ratio Lower Upper
139 100
109 30.4 23.0 34.4
65 49.5 39.9 59.9





#27

2,4-Dimethylphenol

Concen: 8.63 ng

RT: 7.792 min Scan# 970

Delta R.T. -0.012 min

Lab File: BF122307.D

Acq: 11 Nov 2020 11:12

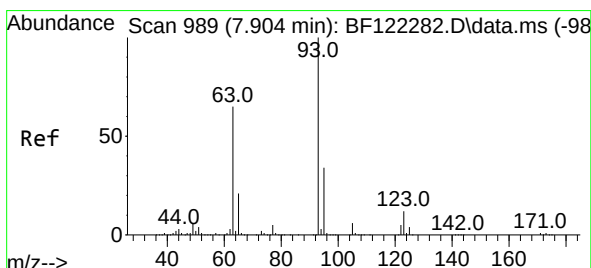
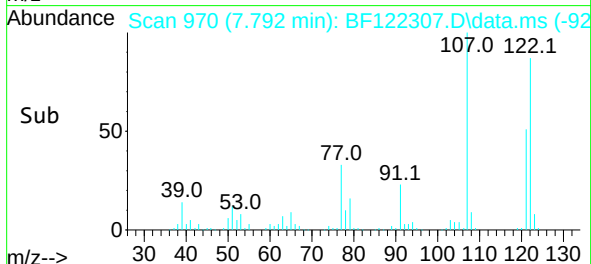
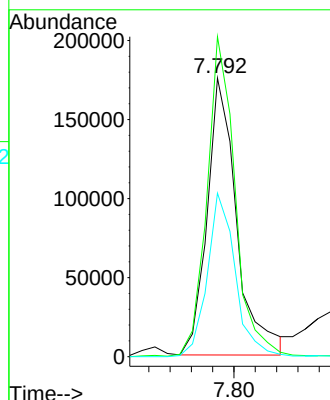
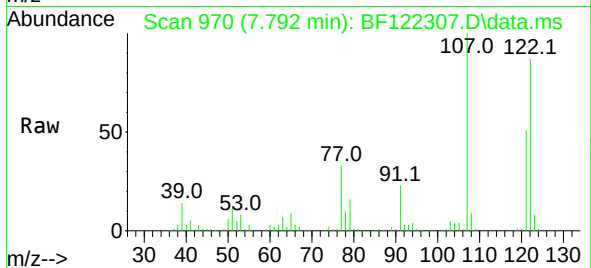
Tgt Ion:122 Resp: 169590

Ion Ratio Lower Upper

122 100

107 114.9 90.8 136.2

121 58.7 47.5 71.3



#28

bis(2-Chloroethoxy)methane

Concen: 9.02 ng

RT: 7.898 min Scan# 988

Delta R.T. -0.006 min

Lab File: BF122307.D

Acq: 11 Nov 2020 11:12

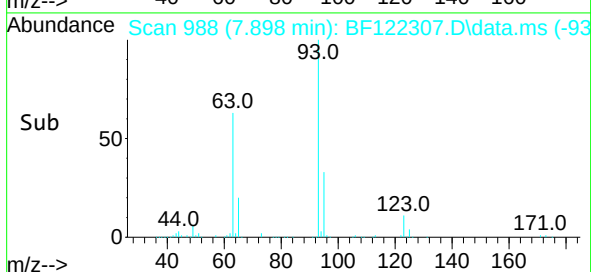
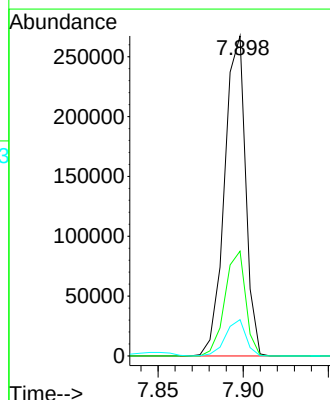
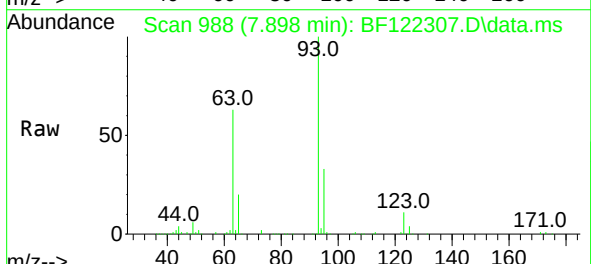
Tgt Ion: 93 Resp: 229785

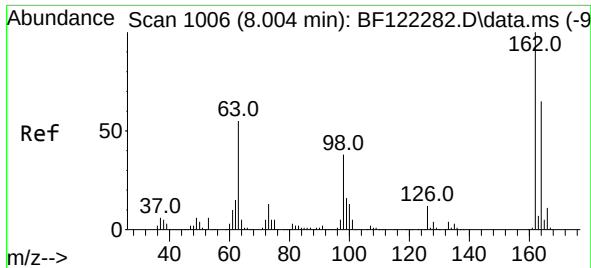
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.4

123 11.4 8.8 13.2

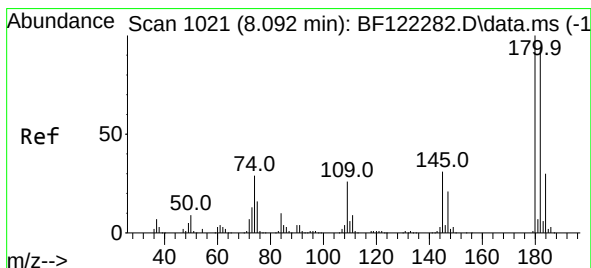
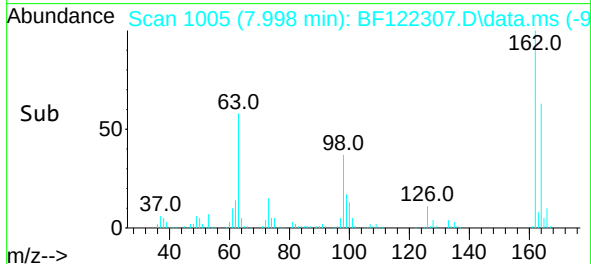
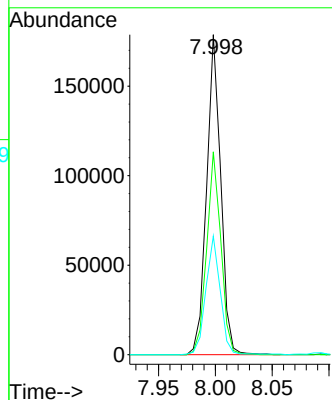
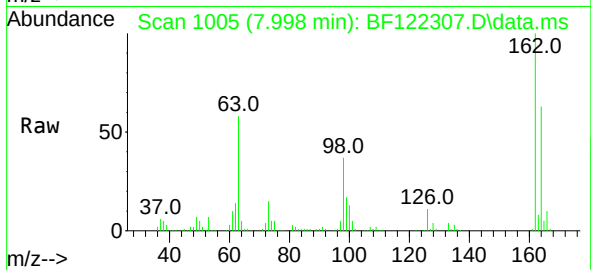




#29
2,4-Dichlorophenol
Concen: 8.87 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

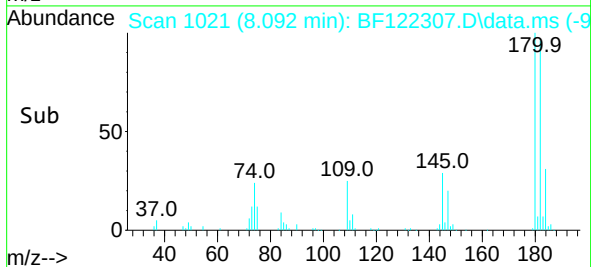
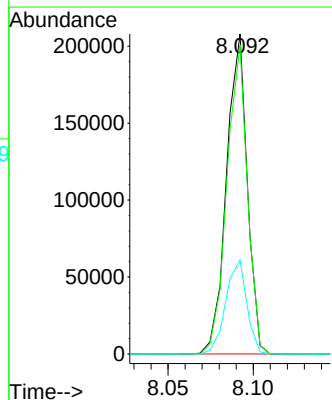
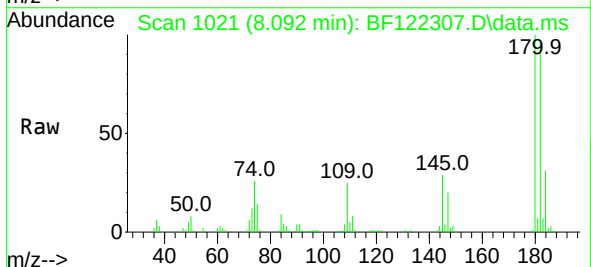
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

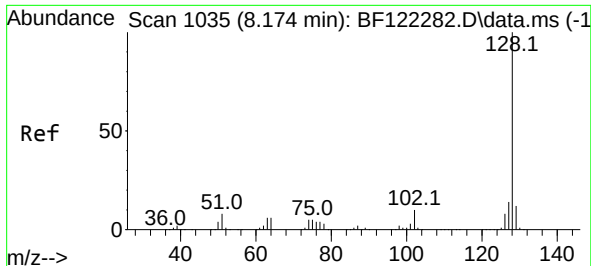
Tgt Ion:162 Resp: 154244
Ion Ratio Lower Upper
162 100
164 63.4 42.5 82.5
98 37.0 20.1 60.1



#30
1,2,4-Trichlorobenzene
Concen: 9.14 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:180 Resp: 175424
Ion Ratio Lower Upper
180 100
182 96.5 79.4 119.2
145 29.4 25.5 38.3

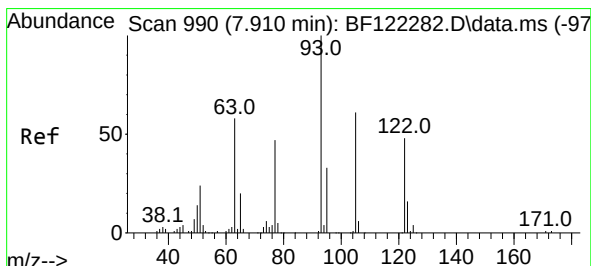
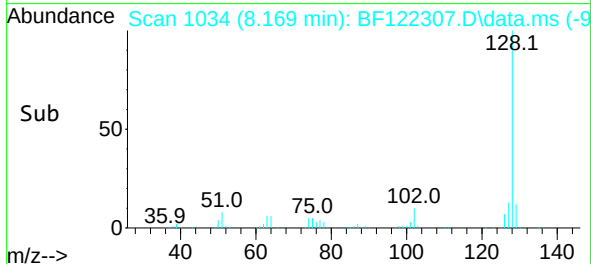
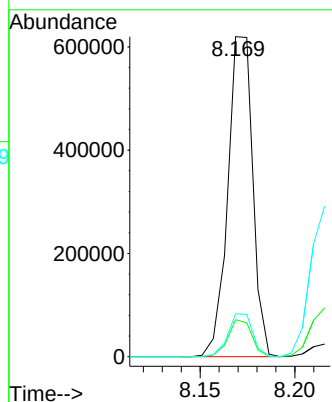
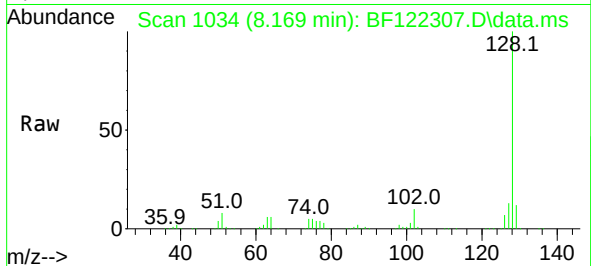




#31
Naphthalene
Concen: 9.33 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

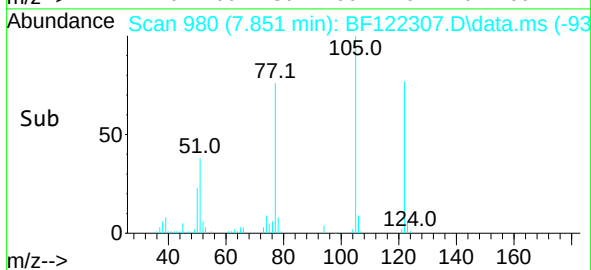
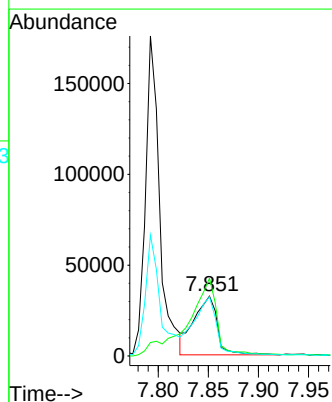
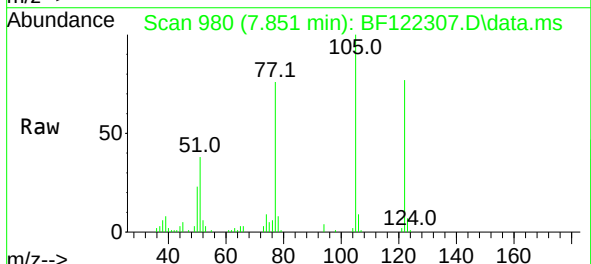
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

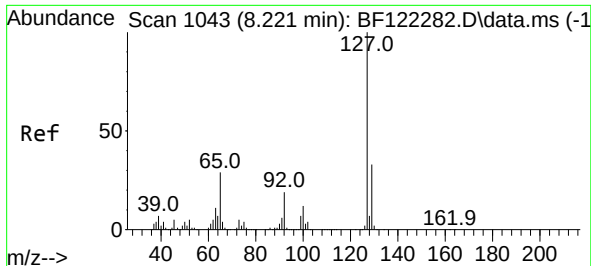
Tgt Ion:128 Resp: 567176
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 13.4 10.8 16.2



#32
Benzoic acid
Concen: 5.91 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.059 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:122 Resp: 52403
Ion Ratio Lower Upper
122 100
105 130.1 103.3 143.3
77 98.7 73.9 113.9

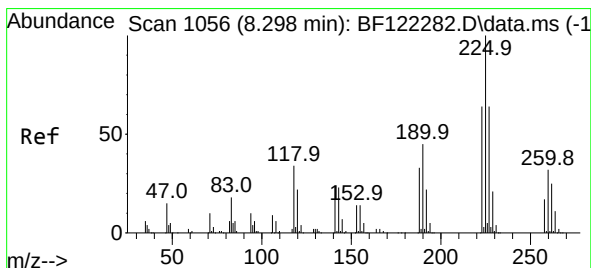
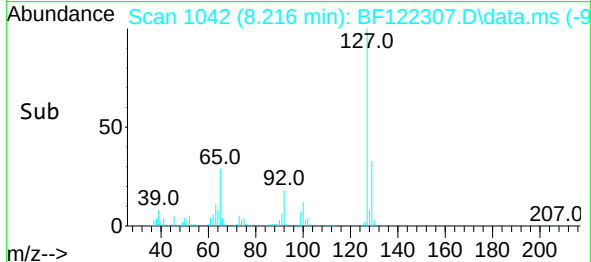
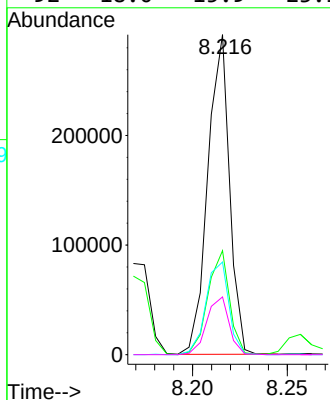
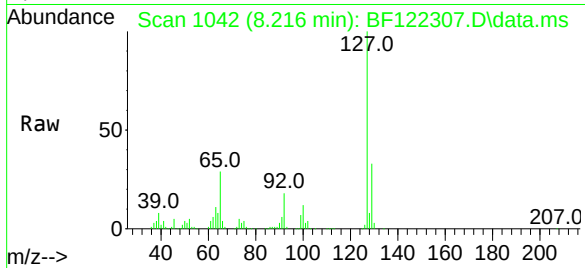




#33
4-Chloroaniline
Concen: 8.79 ng
RT: 8.216 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

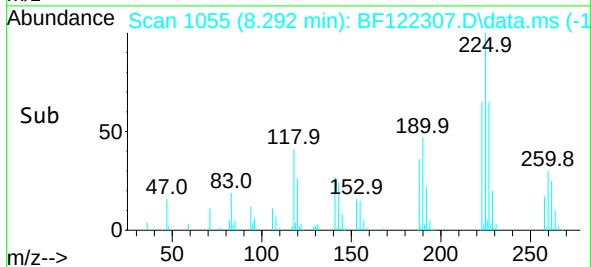
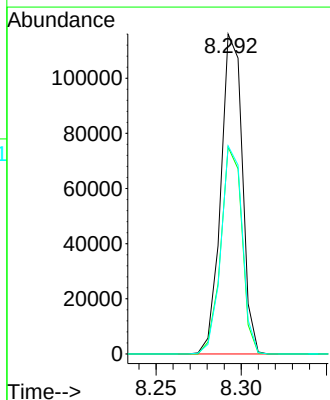
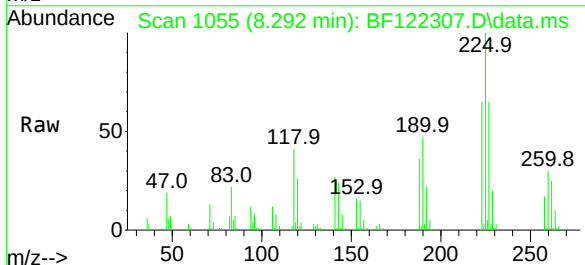
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

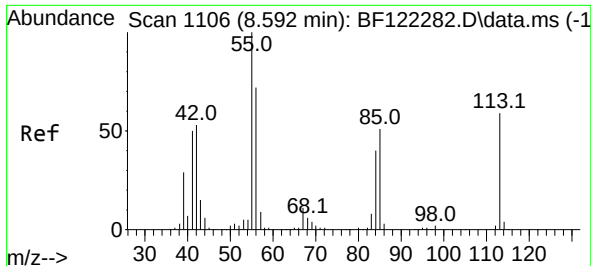
Tgt	Ion:127	Resp:	232833
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.3	39.5
65	29.0	26.2	39.2
92	18.0	15.9	23.9



#34
Hexachlorobutadiene
Concen: 9.20 ng
RT: 8.292 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt	Ion:225	Resp:	101541
Ion	Ratio	Lower	Upper
225	100		
223	64.7	51.1	76.7
227	65.1	51.0	76.6

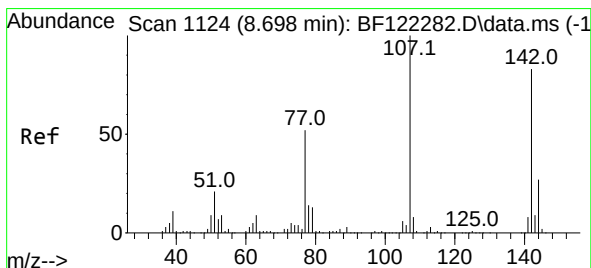
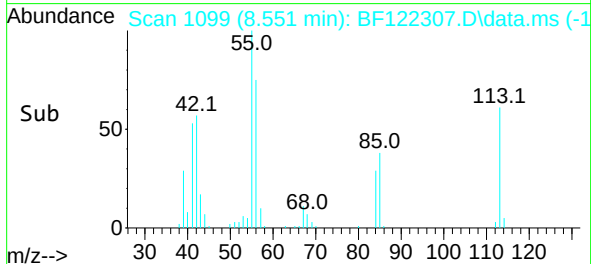
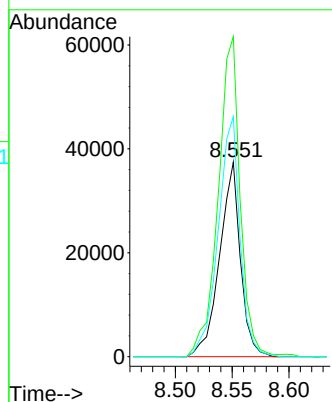
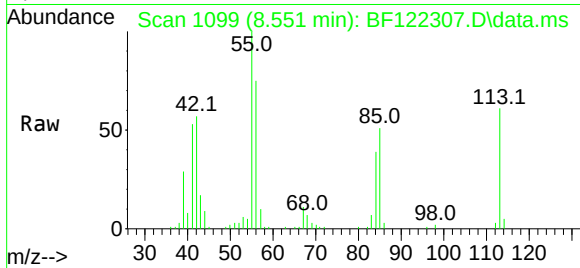




#35
Caprolactam
Concen: 8.66 ng
RT: 8.551 min Scan# 1099
Delta R.T. -0.041 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

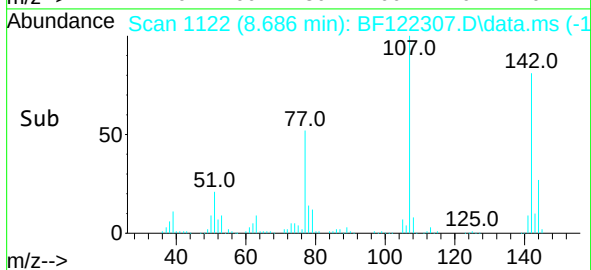
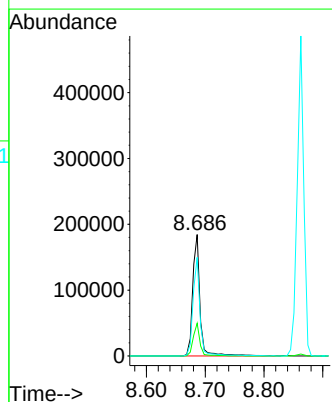
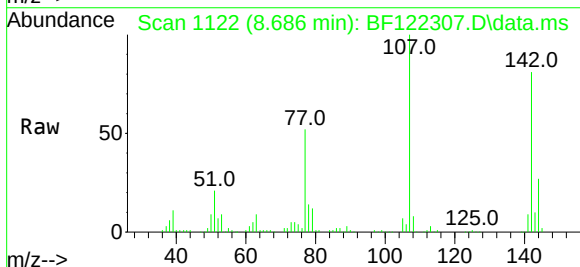
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

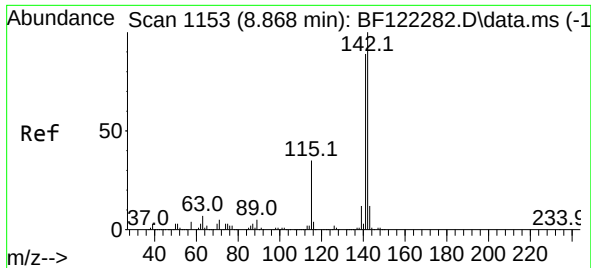
Tgt Ion:113 Resp: 47762
Ion Ratio Lower Upper
113 100
55 164.5 167.5 207.5#
56 123.4 121.2 161.2



#36
4-Chloro-3-methylphenol
Concen: 8.79 ng
RT: 8.686 min Scan# 1122
Delta R.T. -0.012 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:107 Resp: 159462
Ion Ratio Lower Upper
107 100
144 26.9 20.1 30.1
142 81.2 59.3 88.9

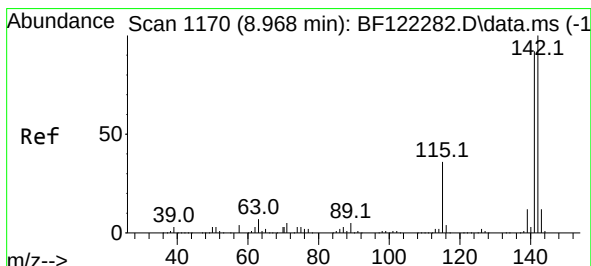
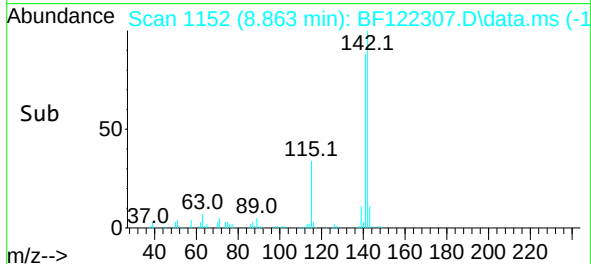
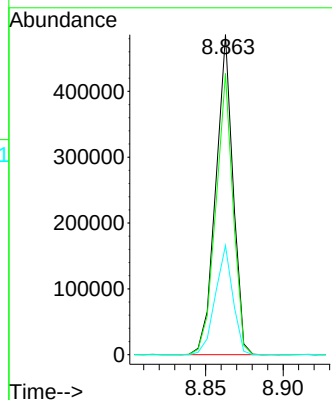
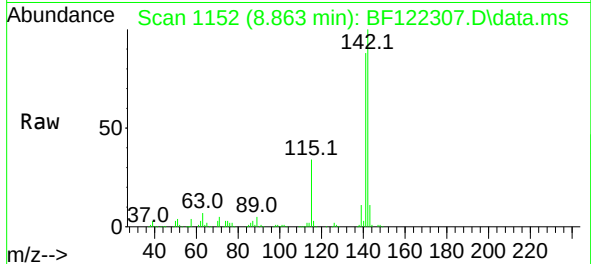




#37
2-Methylnaphthalene
Concen: 9.36 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

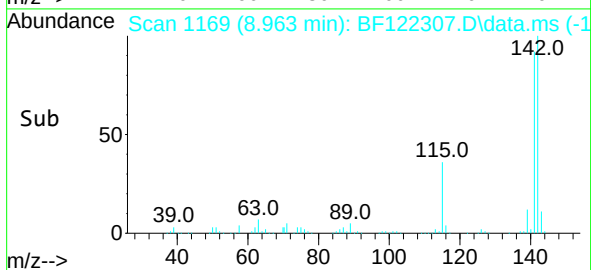
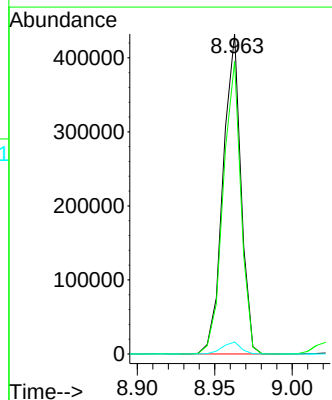
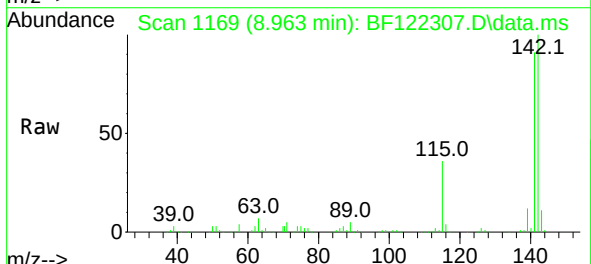
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

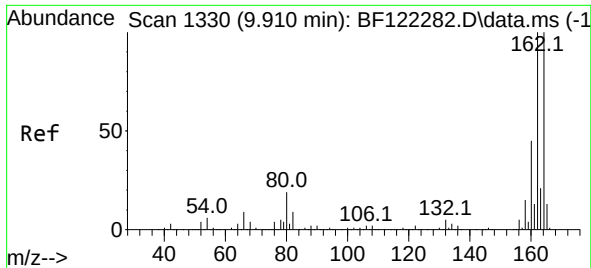
Tgt Ion:142 Resp: 375871
Ion Ratio Lower Upper
142 100
141 87.8 70.2 105.4
115 34.1 28.6 43.0



#38
1-Methylnaphthalene
Concen: 9.23 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:142 Resp: 347045
Ion Ratio Lower Upper
142 100
141 91.5 74.5 111.7
116 3.8 3.2 4.8

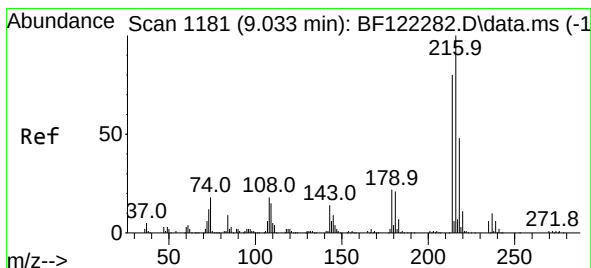
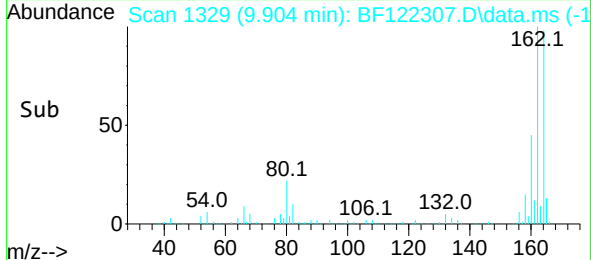
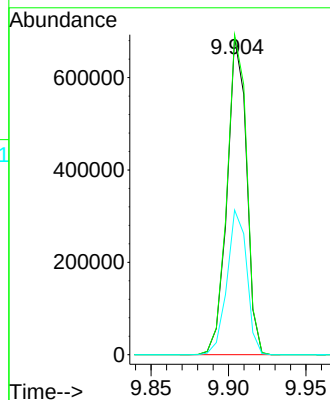
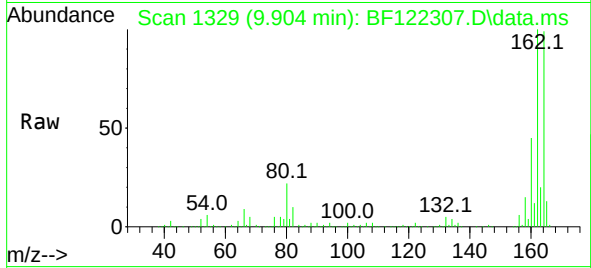




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

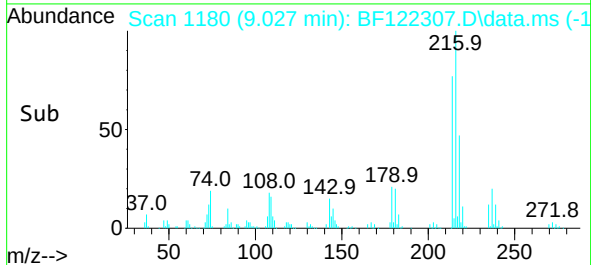
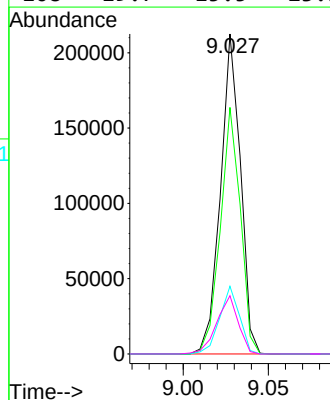
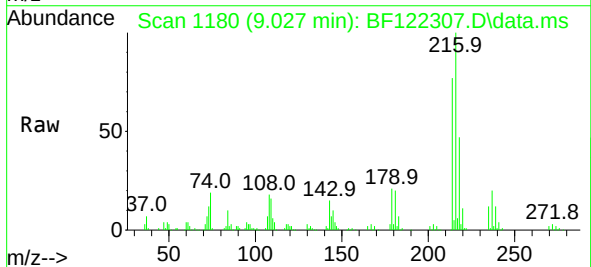
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

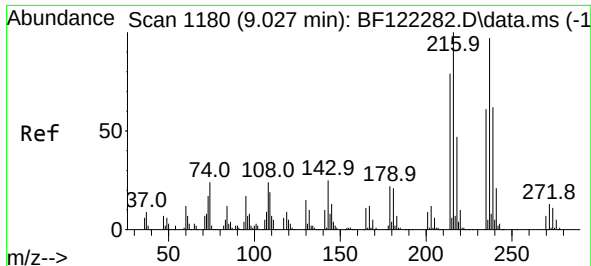
Tgt Ion:164 Resp: 597994
Ion Ratio Lower Upper
164 100
162 100.8 83.2 124.8
160 45.6 37.5 56.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.40 ng
RT: 9.027 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:216 Resp: 173149
Ion Ratio Lower Upper
216 100
214 77.0 63.4 95.2
179 21.1 17.0 25.6
108 19.7 15.5 23.3

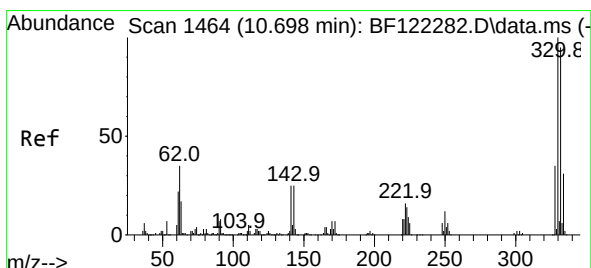
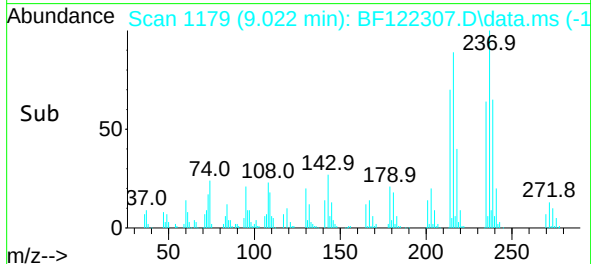
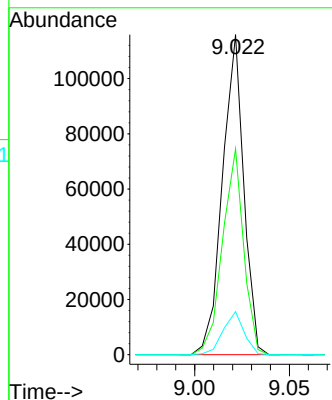
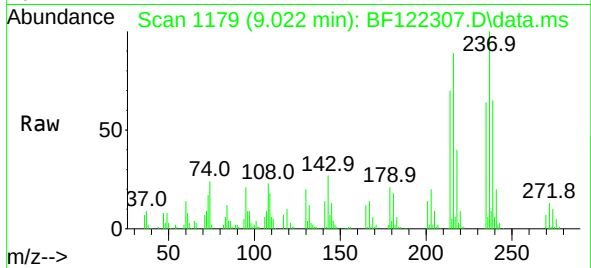




#41
Hexachlorocyclopentadiene
Concen: 8.42 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

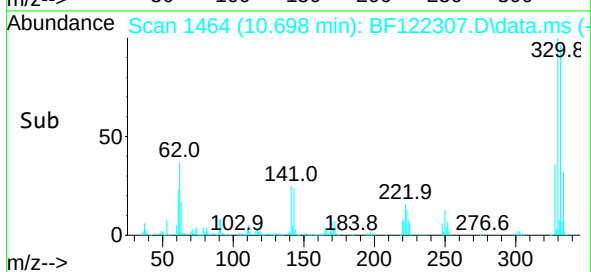
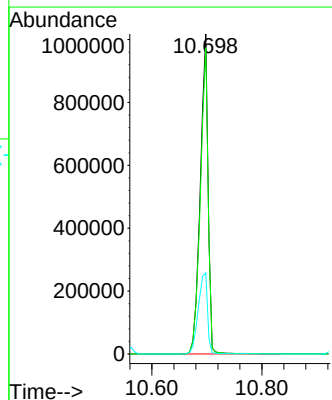
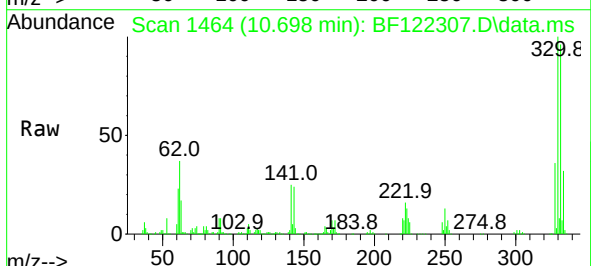
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

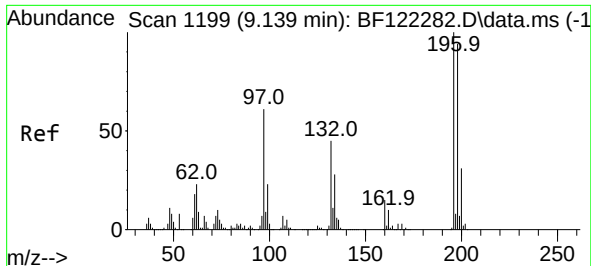
Tgt Ion:237 Resp: 90672
Ion Ratio Lower Upper
237 100
235 64.3 41.8 81.8
272 13.5 0.0 33.5



#42
2,4,6-Tribromophenol
Concen: 157.54 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:330 Resp: 1011089
Ion Ratio Lower Upper
330 100
332 95.1 77.3 115.9
141 29.8 22.3 33.5

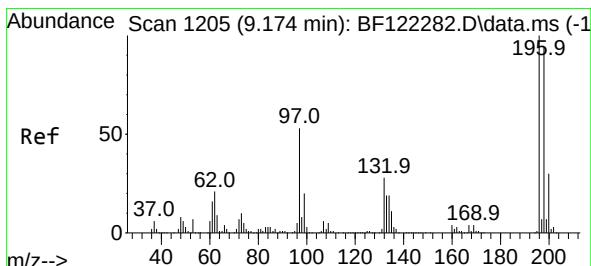
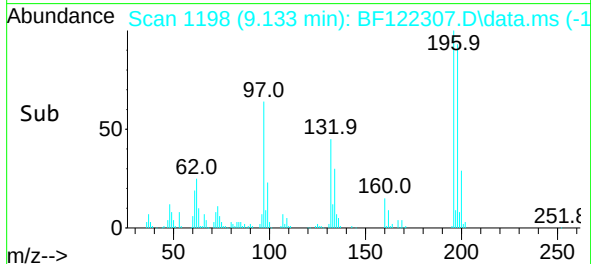
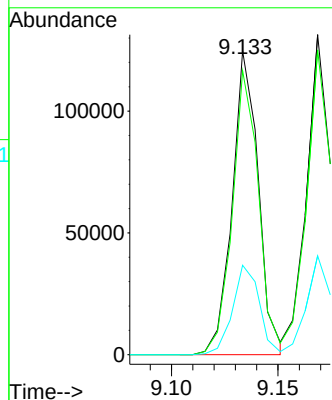
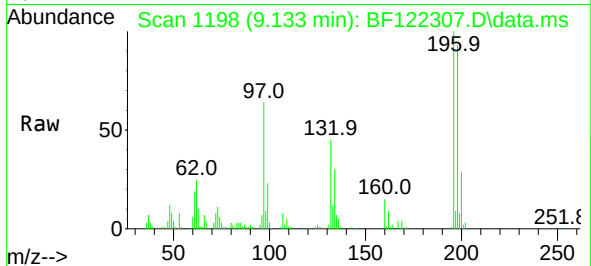




#43
2,4,6-Trichlorophenol
Concen: 8.88 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

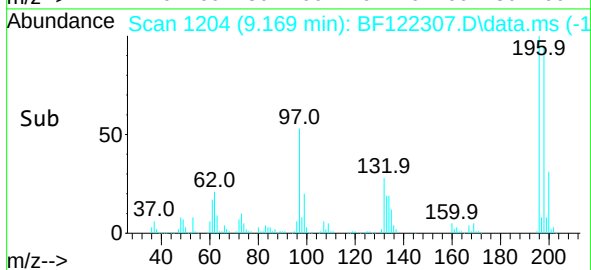
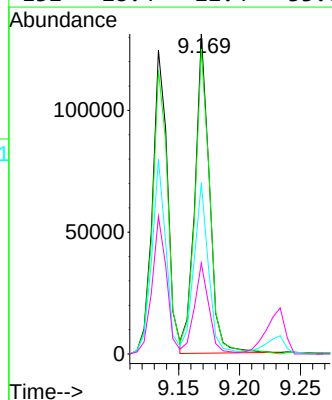
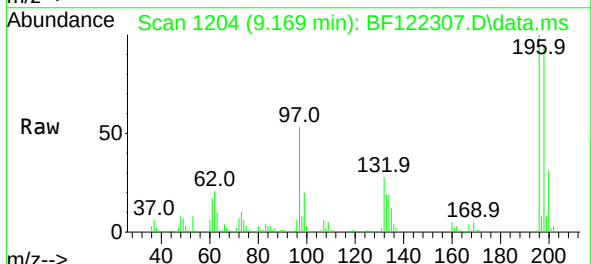
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

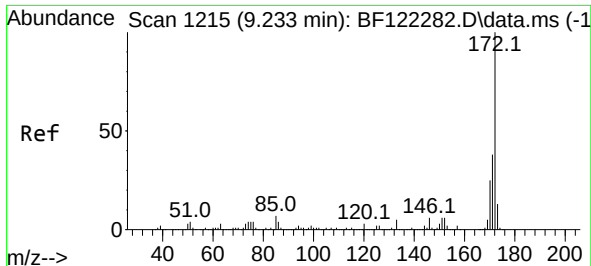
Tgt Ion:196 Resp: 106319
Ion Ratio Lower Upper
196 100
198 93.5 75.8 113.6
200 29.4 24.6 36.8



#44
2,4,5-Trichlorophenol
Concen: 8.64 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:196 Resp: 108412
Ion Ratio Lower Upper
196 100
198 95.3 76.1 114.1
97 53.5 41.0 61.6
132 28.4 22.4 33.6

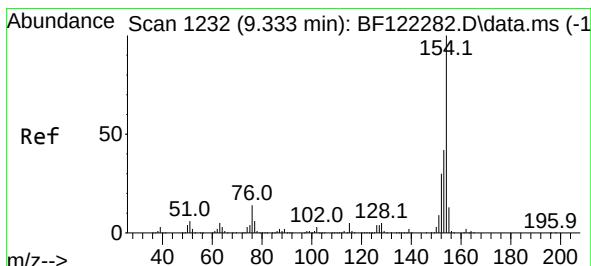
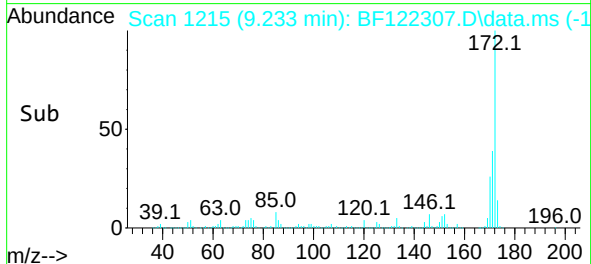
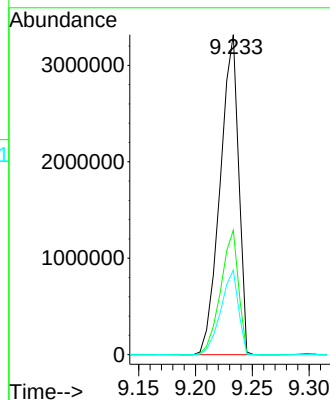
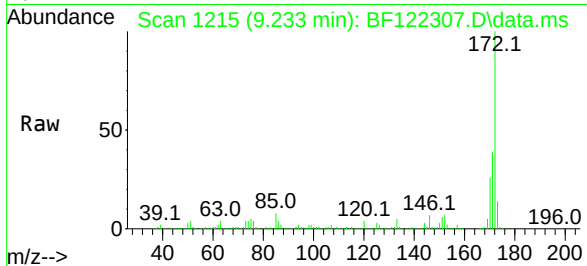




#45
2-Fluorobiphenyl
Concen: 98.07 ng
RT: 9.233 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

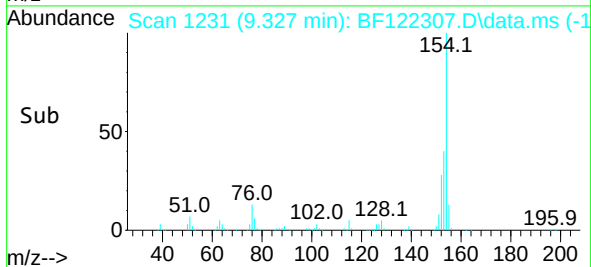
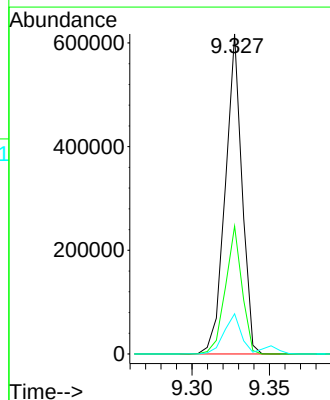
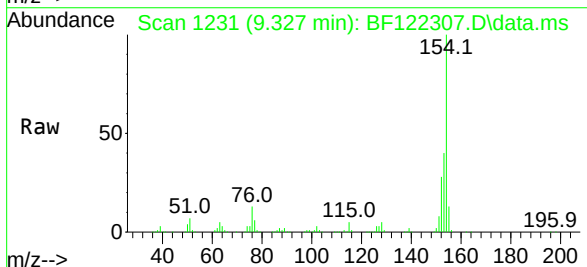
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

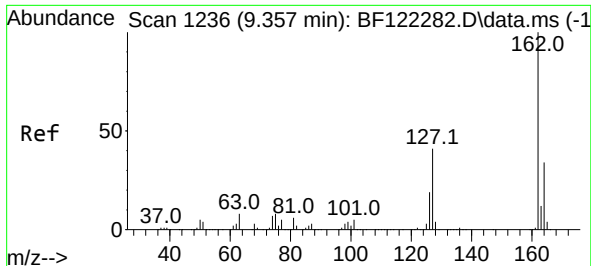
Tgt Ion:172 Resp: 3753243
Ion Ratio Lower Upper
172 100
171 38.9 29.1 43.7
170 26.4 19.8 29.6



#46
1,1'-Biphenyl
Concen: 9.68 ng
RT: 9.327 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:154 Resp: 460877
Ion Ratio Lower Upper
154 100
153 39.9 21.3 61.3
76 12.6 0.0 34.7

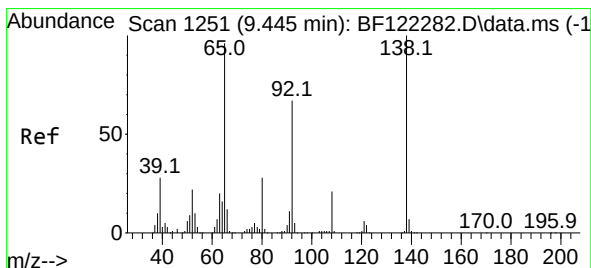
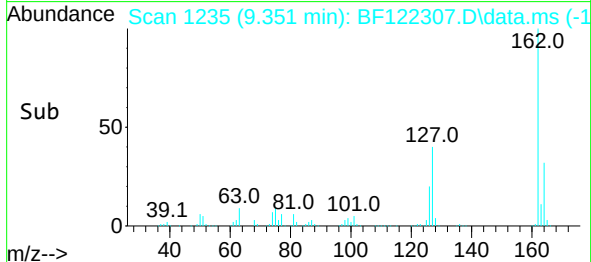
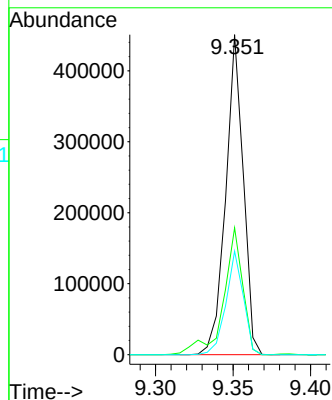
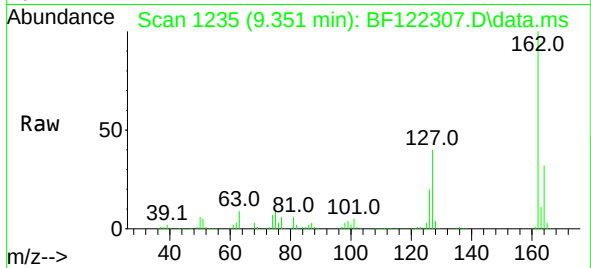




#47
2-Chloronaphthalene
Concen: 9.39 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

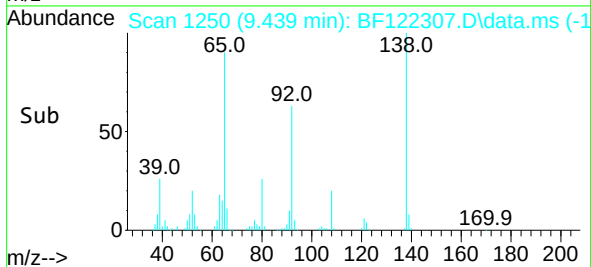
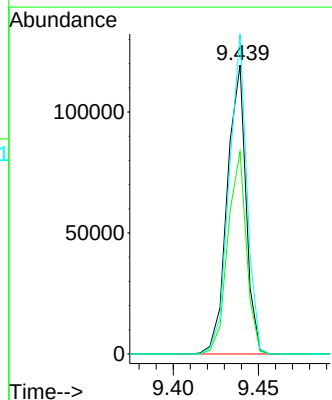
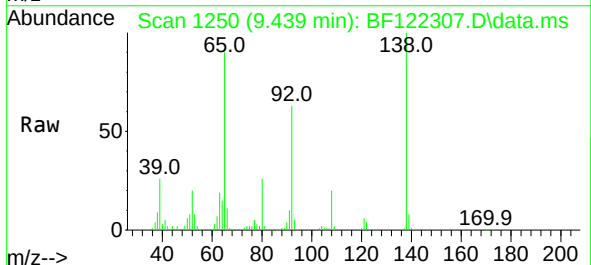
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

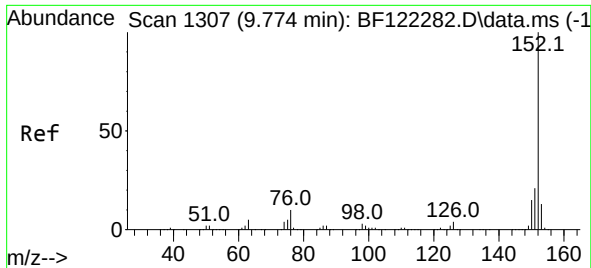
Tgt Ion:162 Resp: 354780
Ion Ratio Lower Upper
162 100
127 39.7 34.4 51.6
164 32.3 26.3 39.5



#48
2-Nitroaniline
Concen: 9.86 ng
RT: 9.439 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion: 65 Resp: 91416
Ion Ratio Lower Upper
65 100
92 70.0 55.1 82.7
138 110.7 80.5 120.7

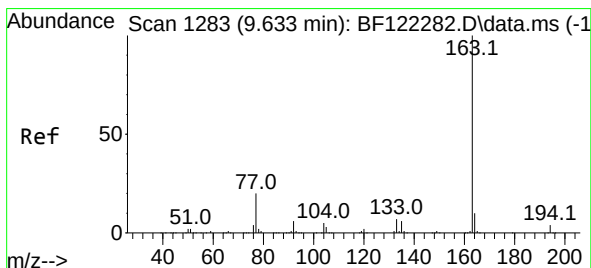
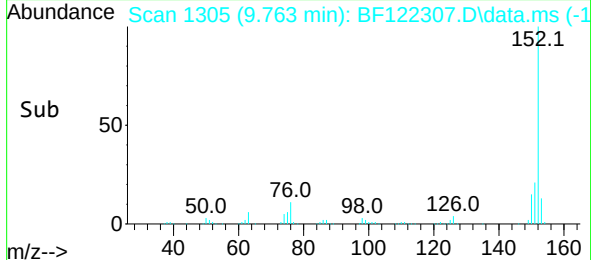
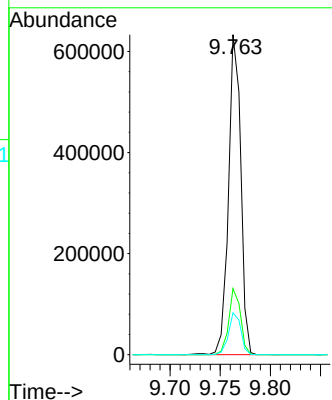
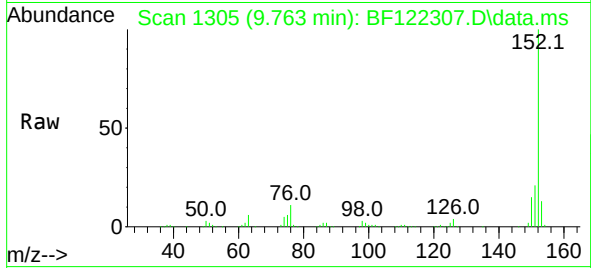




#49
Acenaphthylene
Concen: 9.25 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

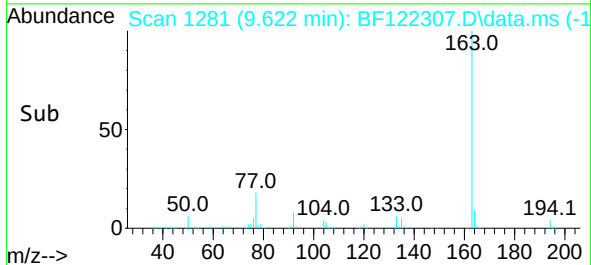
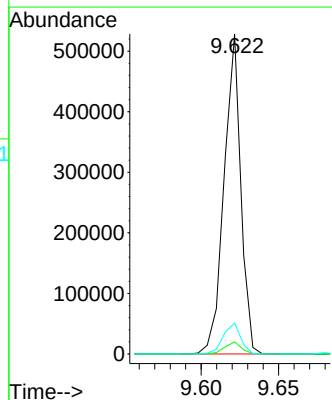
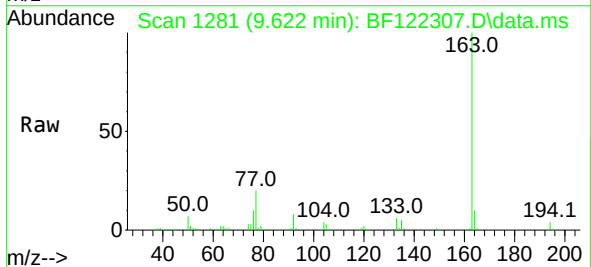
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

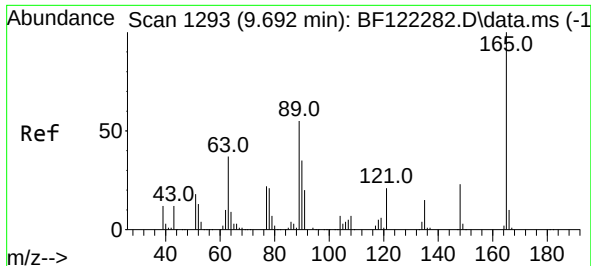
Tgt Ion:152 Resp: 536906
Ion Ratio Lower Upper
152 100
151 20.7 16.4 24.6
153 13.1 10.6 15.8



#50
Dimethylphthalate
Concen: 9.33 ng
RT: 9.622 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:163 Resp: 396551
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 9.7 8.2 12.4

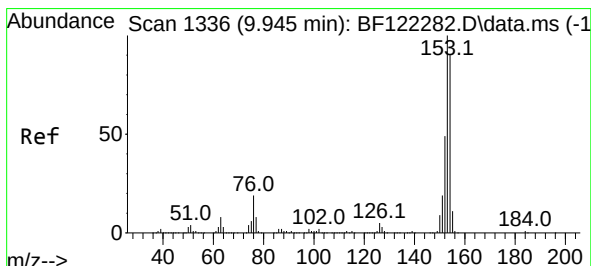
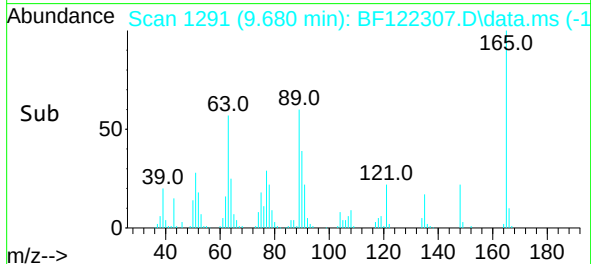
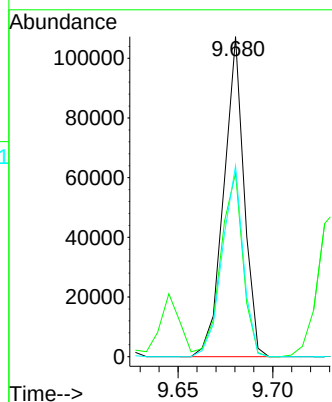
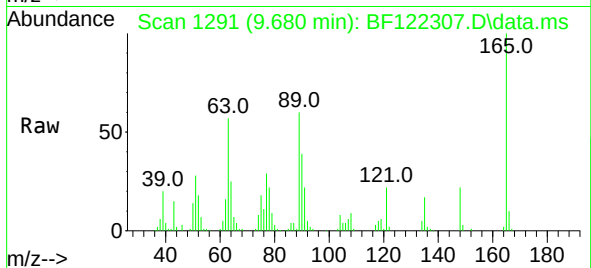




#51
2,6-Dinitrotoluene
Concen: 9.71 ng
RT: 9.680 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

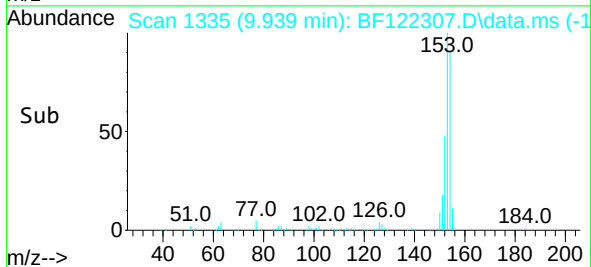
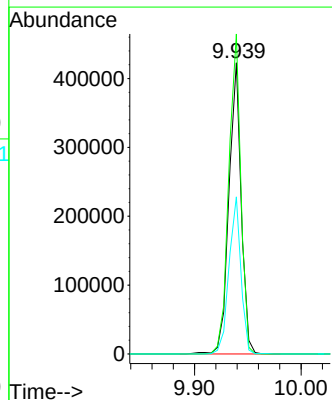
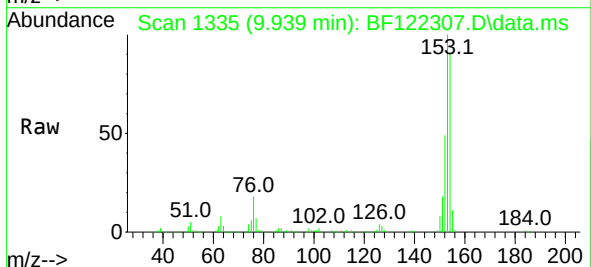
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

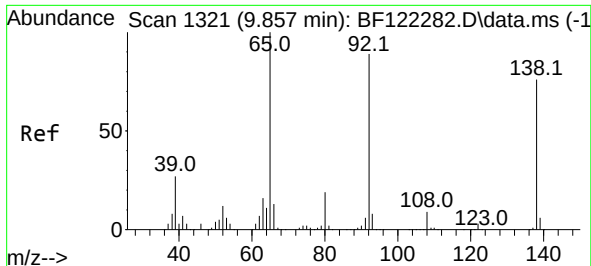
Tgt Ion:165 Resp: 79830
Ion Ratio Lower Upper
165 100
63 57.4 51.8 77.6
89 59.6 49.0 73.6



#52
Acenaphthene
Concen: 9.41 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:154 Resp: 338213
Ion Ratio Lower Upper
154 100
153 109.9 89.8 134.8
152 54.0 43.2 64.8

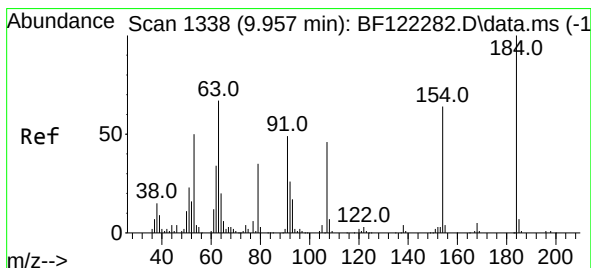
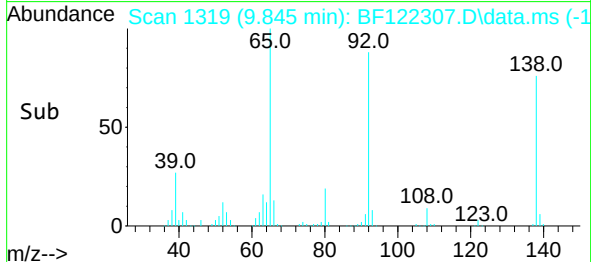
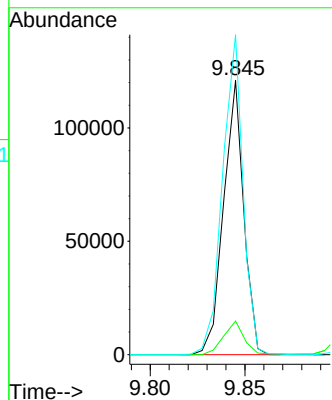
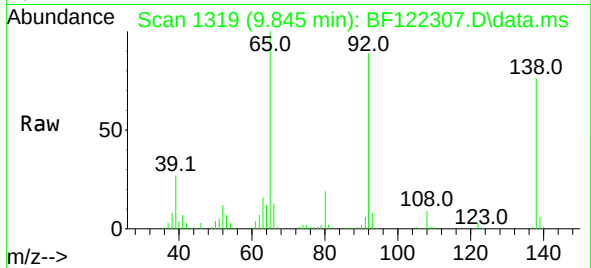




#53
3-Nitroaniline
Concen: 9.44 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

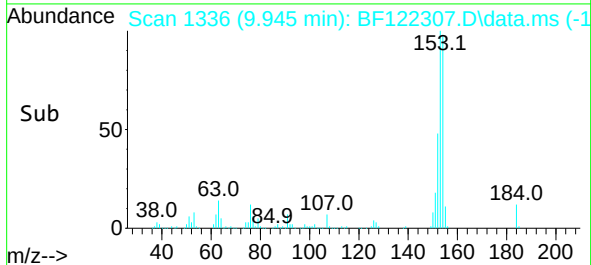
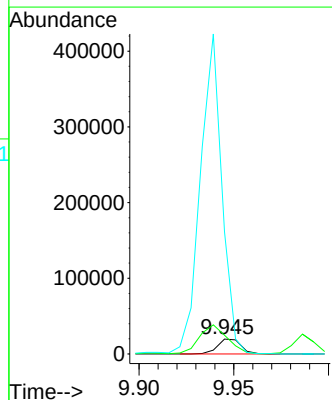
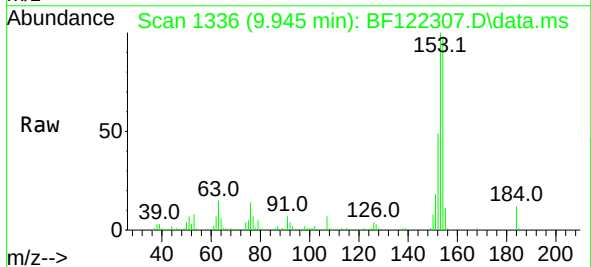
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

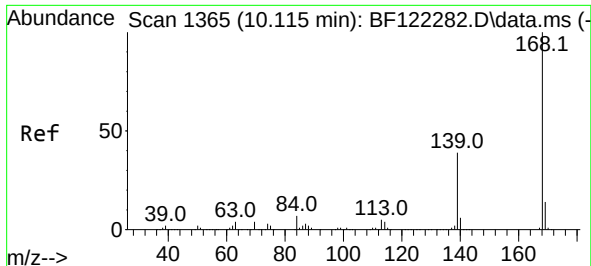
Tgt Ion:138 Resp: 89600
Ion Ratio Lower Upper
138 100
108 12.2 8.6 13.0
92 116.6 96.6 144.8



#54
2,4-Dinitrophenol
Concen: 6.78 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:184 Resp: 17014
Ion Ratio Lower Upper
184 100
63 125.3 45.9 68.9#
154 817.8 45.8 68.6#

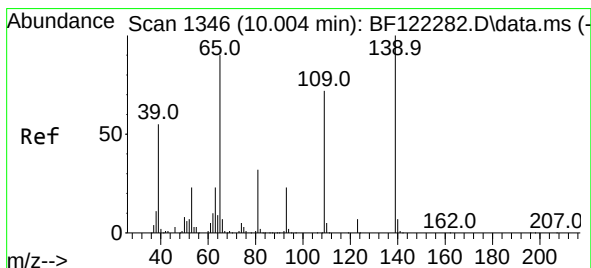
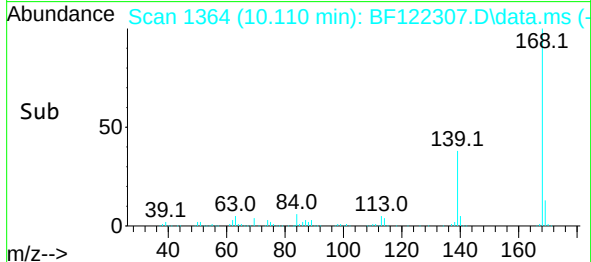
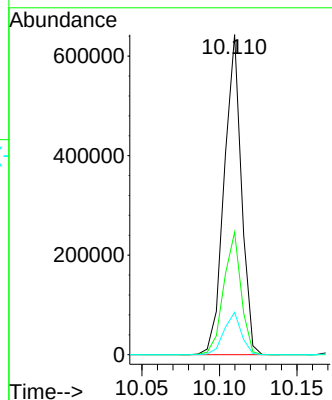
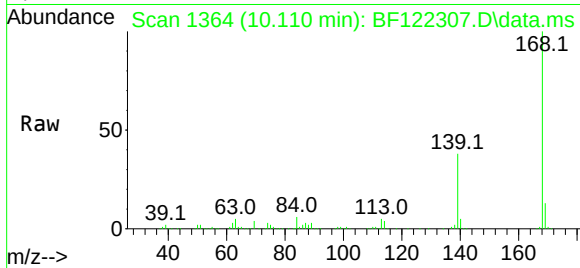




#55
Dibenzenofuran
Concen: 9.42 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.005 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

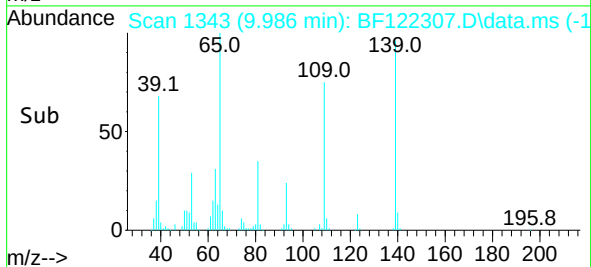
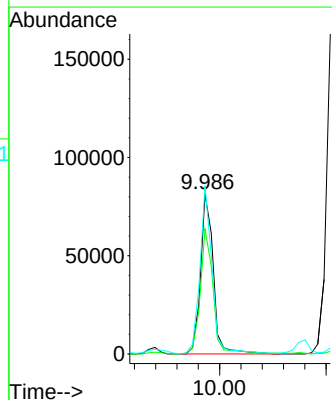
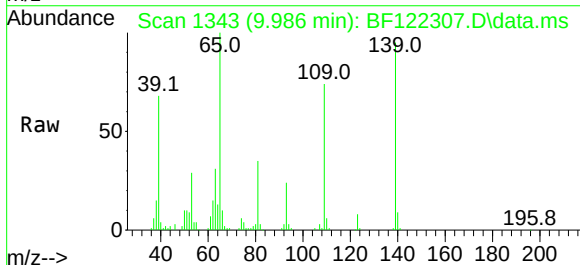
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

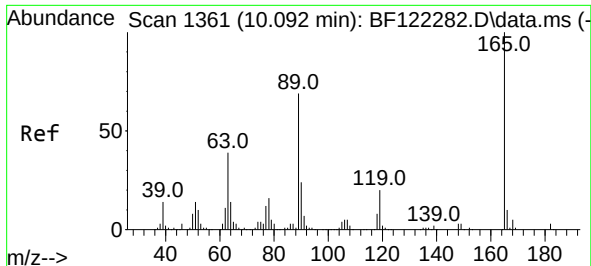
Tgt Ion:168 Resp: 495895
Ion Ratio Lower Upper
168 100
139 38.3 31.0 46.6
169 13.3 11.3 16.9



#56
4-Nitrophenol
Concen: 8.37 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.018 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:139 Resp: 67924
Ion Ratio Lower Upper
139 100
109 78.1 45.4 85.4
65 105.1 68.4 108.4

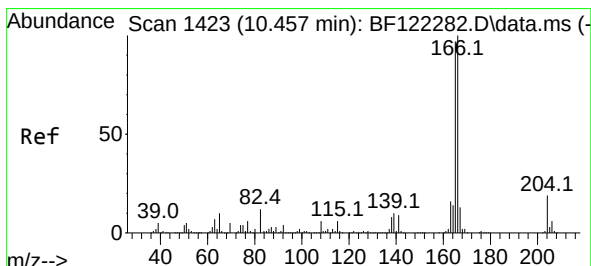
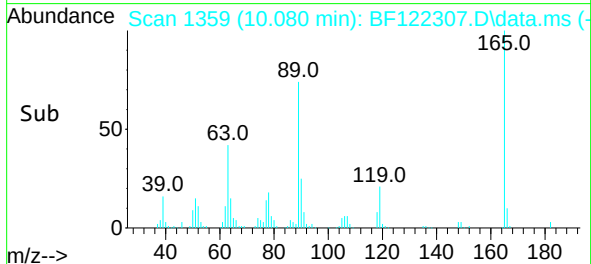
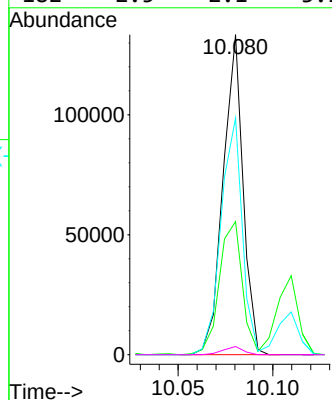
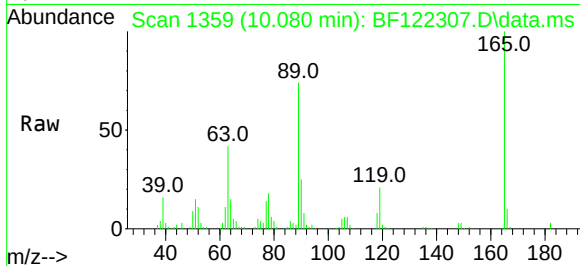




#57
2,4-Dinitrotoluene
Concen: 9.85 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.012 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

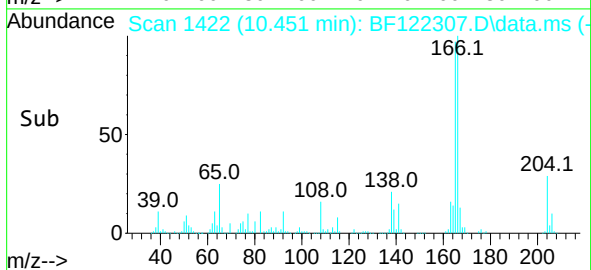
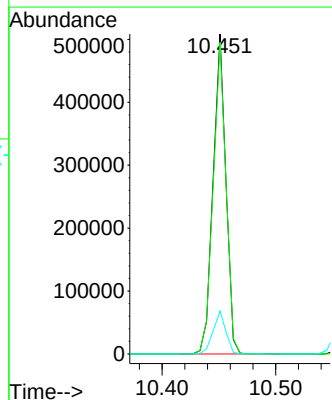
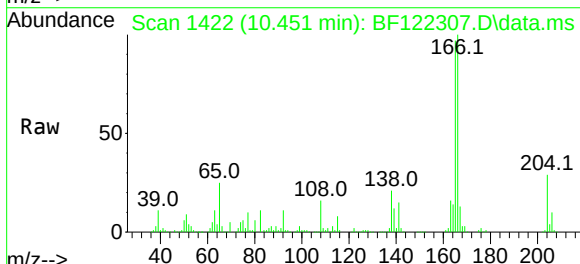
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

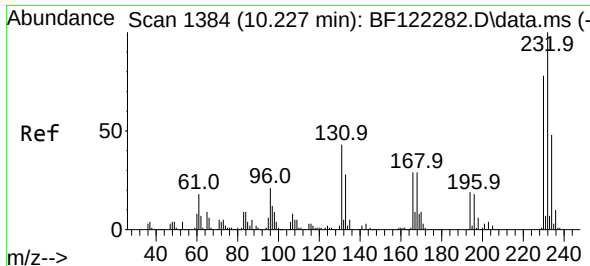
Tgt Ion:165	Resp:	97887
Ion Ratio	Lower	Upper
165	100	
63	41.6	41.3 61.9
89	73.9	61.8 92.8
182	2.5	2.1 3.1



#58
Fluorene
Concen: 9.81 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:166	Resp:	395587
Ion Ratio	Lower	Upper
166	100	
165	97.4	79.1 118.7
167	13.4	11.0 16.6

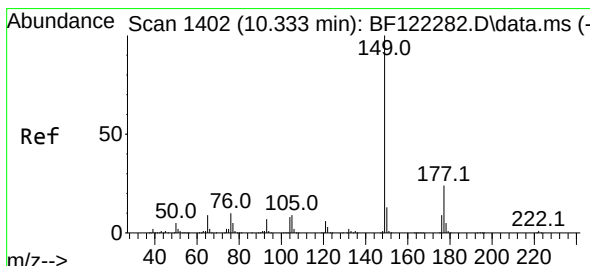
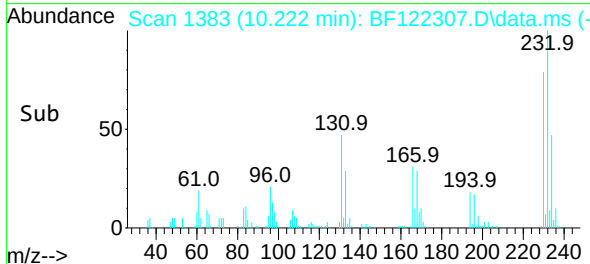
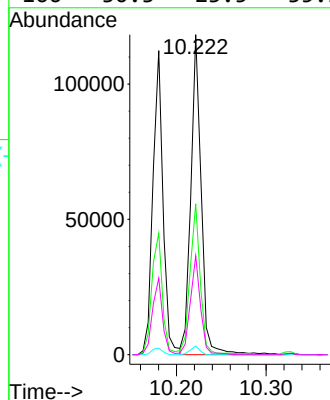
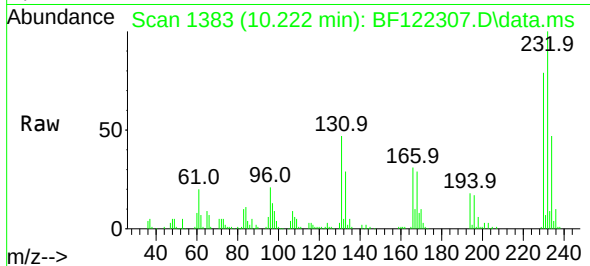




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.14 ng
RT: 10.222 min Scan# 1383
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

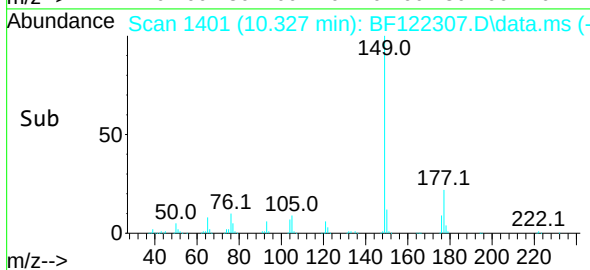
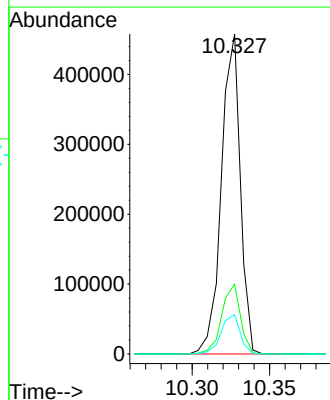
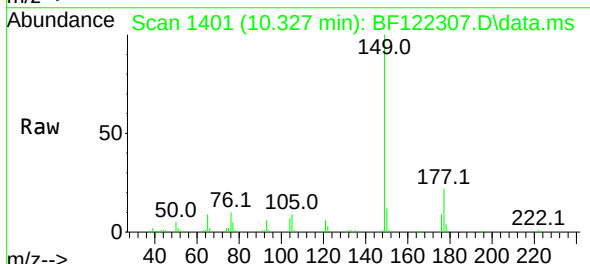
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

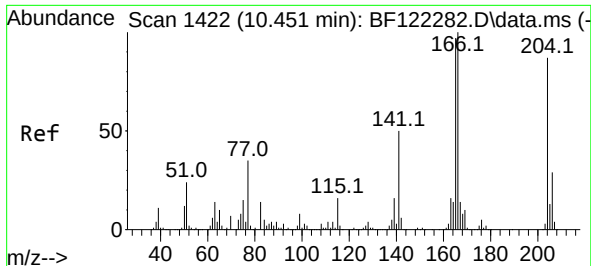
Tgt Ion:232	Resp:	95349
Ion Ratio	Lower	Upper
232	100	
131	47.3	35.9 53.9
130	2.4	1.8 2.6
166	30.3	23.5 35.3



#60
Diethylphthalate
Concen: 9.31 ng
RT: 10.327 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:149	Resp:	388277
Ion Ratio	Lower	Upper
149	100	
177	21.8	18.1 27.1
150	12.3	10.3 15.5

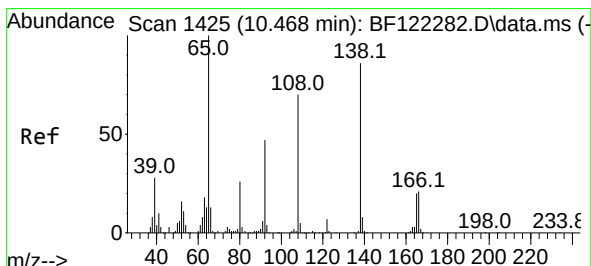
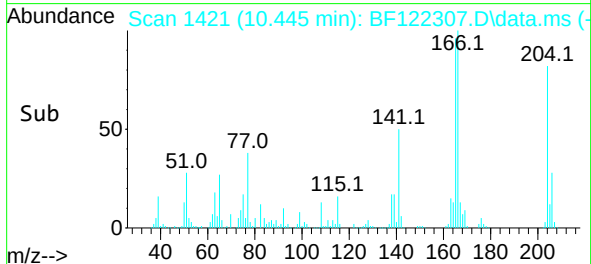
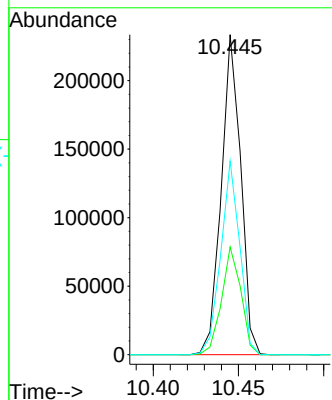
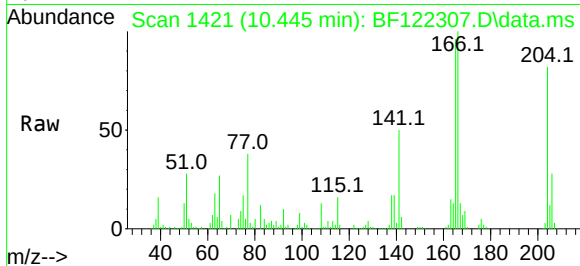




#61
4-Chlorophenyl-phenylether
Concen: 9.75 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

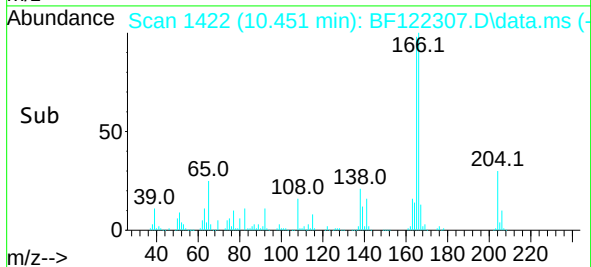
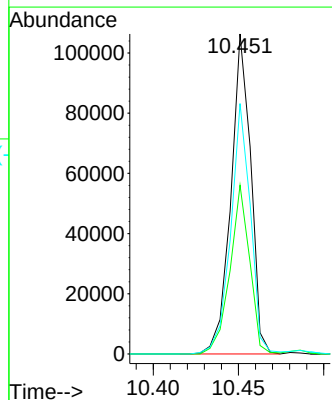
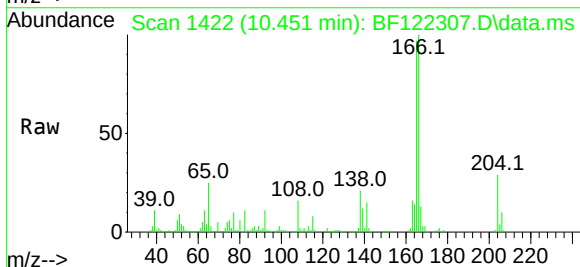
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

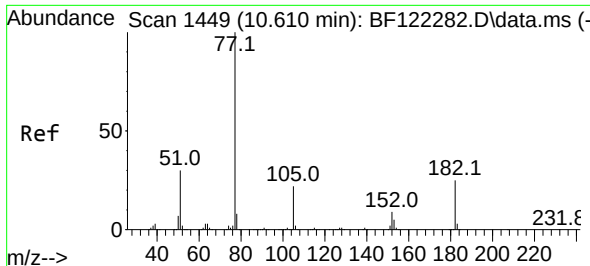
Tgt Ion:204 Resp: 185518
Ion Ratio Lower Upper
204 100
206 33.7 26.0 39.0
141 60.6 46.2 69.4



#62
4-Nitroaniline
Concen: 9.24 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.017 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:138 Resp: 86316
Ion Ratio Lower Upper
138 100
92 52.8 31.0 71.0
108 78.2 51.5 91.5

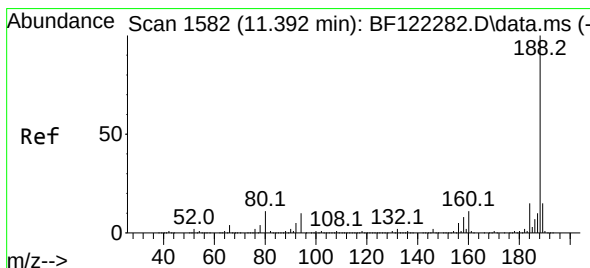
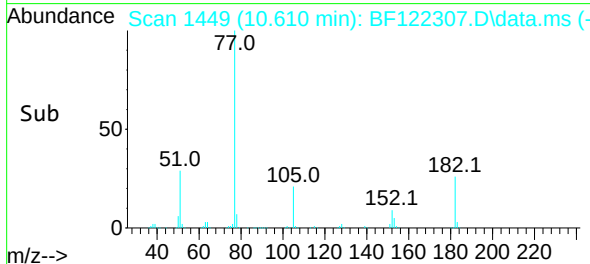
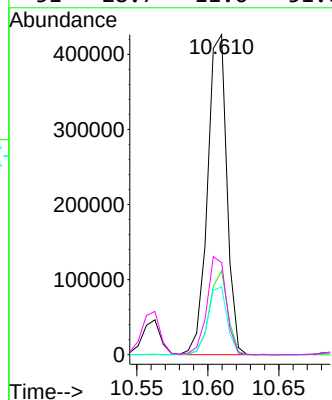
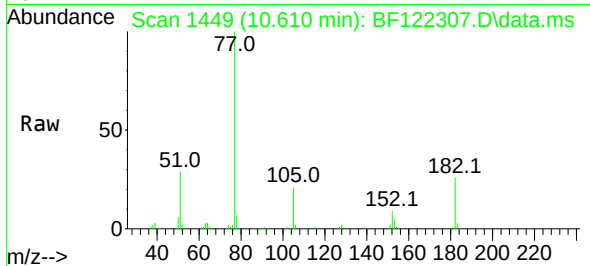




#63
Azobenzene
Concen: 9.24 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

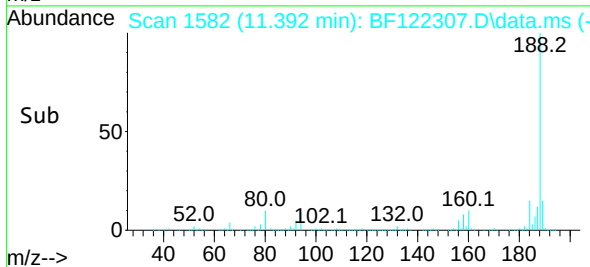
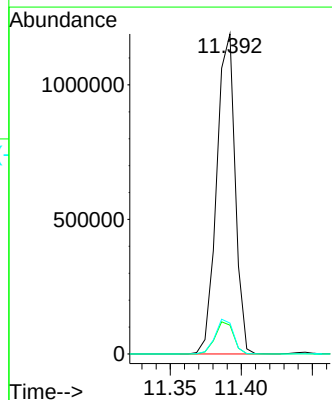
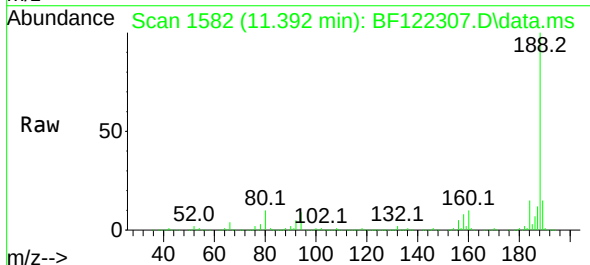
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

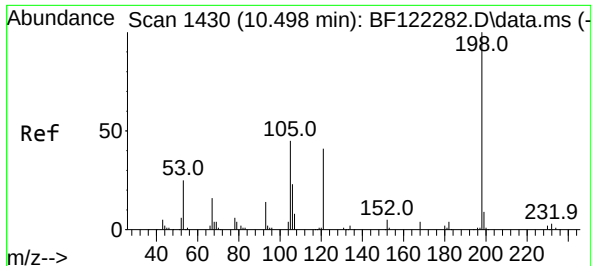
Tgt Ion: 77	Resp: 404156
Ion Ratio	Lower Upper
77 100	
182 26.2	3.4 43.4
105 21.1	1.7 41.7
51 28.7	11.6 51.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:188	Resp: 1074740		
Ion Ratio	Lower	Upper	
188 100			
94 9.0	8.3	12.5	
80 9.6	9.1	13.7	

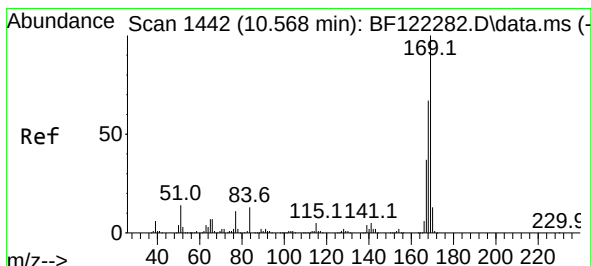
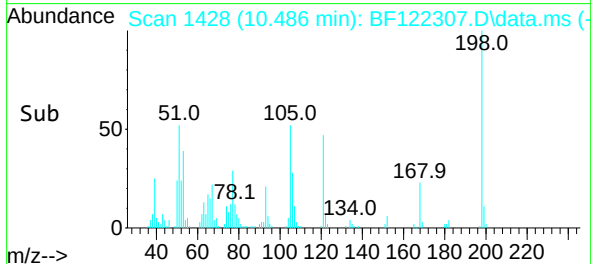
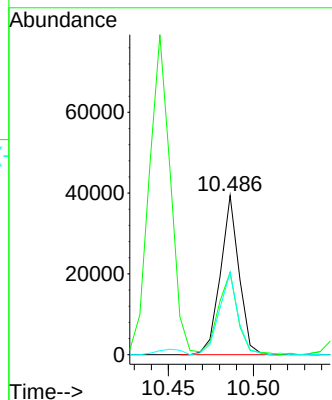
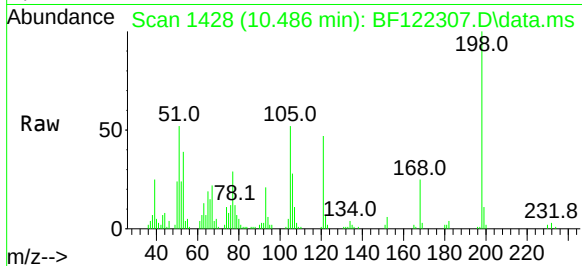




#65
4,6-Dinitro-2-methylphenol
Concen: 7.30 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

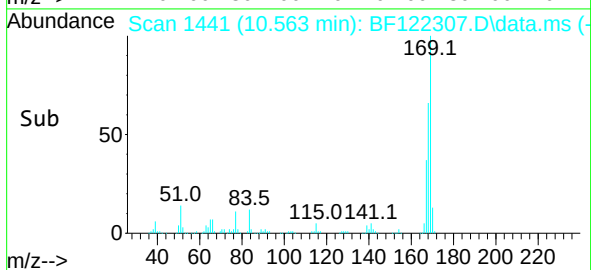
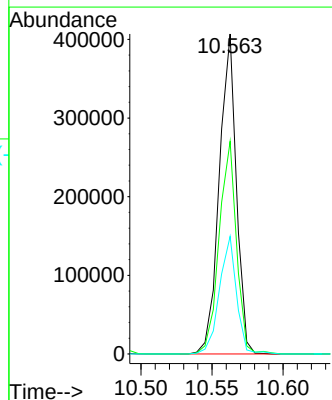
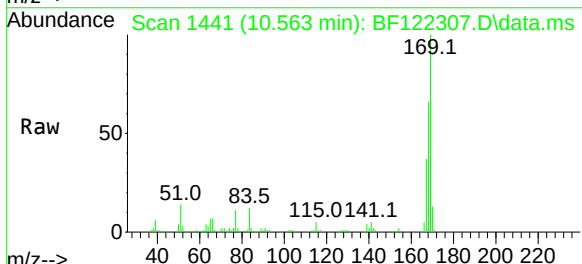
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

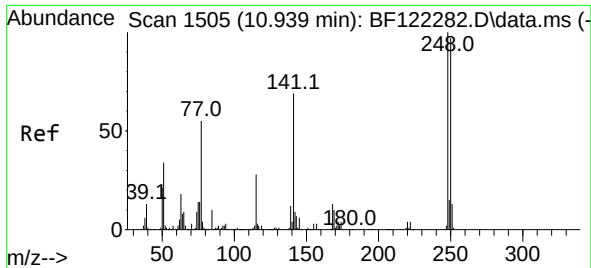
Tgt Ion:198 Resp: 29828
Ion Ratio Lower Upper
198 100
51 51.8 29.6 69.6
105 51.7 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 9.28 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:169 Resp: 339705
Ion Ratio Lower Upper
169 100
168 66.5 50.0 75.0
167 36.8 27.8 41.6

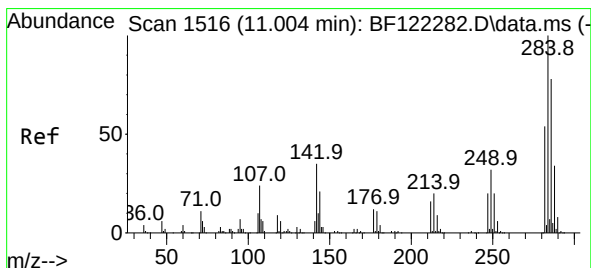
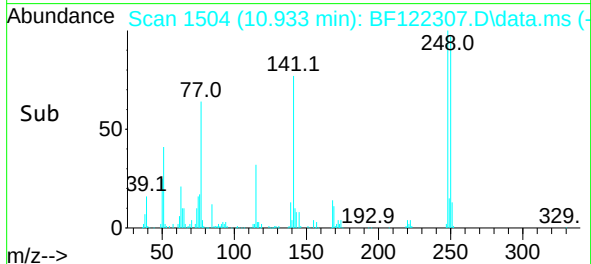
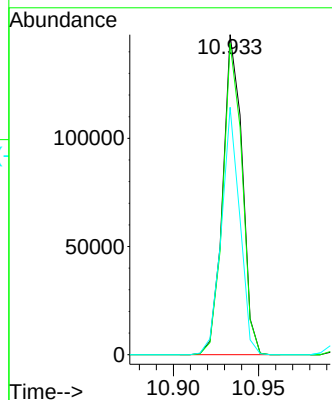
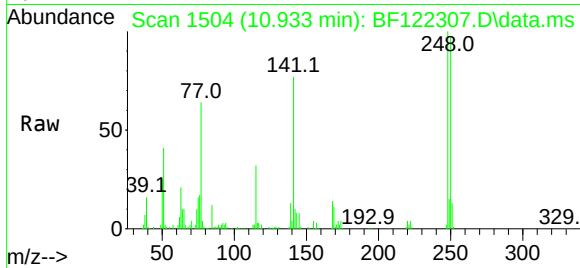




#67
4-Bromophenyl-phenylether
Concen: 9.29 ng
RT: 10.933 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

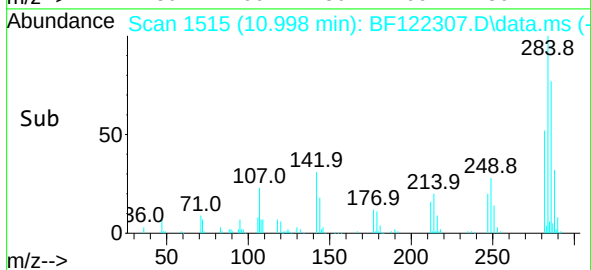
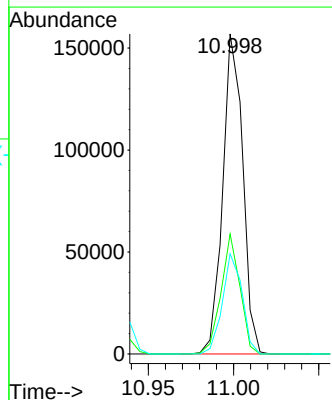
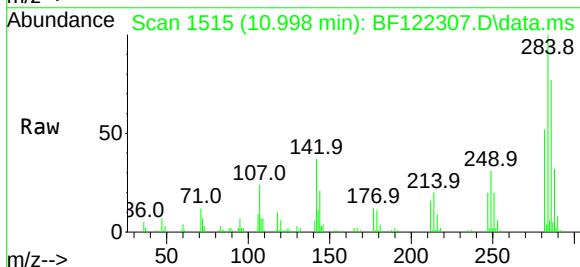
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

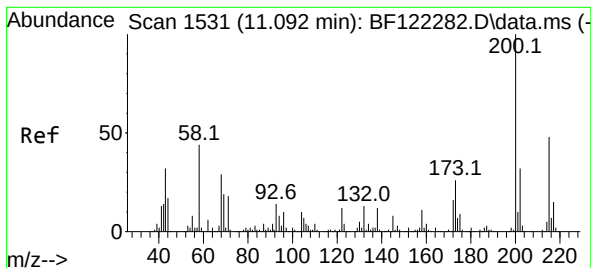
Tgt Ion:	248	Resp:	117329
Ion Ratio	Lower	Upper	
248	100		
250	97.3	77.0	115.6
141	77.3	53.7	80.5



#68
Hexachlorobenzene
Concen: 9.41 ng
RT: 10.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:	284	Resp:	128441
Ion Ratio	Lower	Upper	
284	100		
142	37.5	27.4	41.2
249	31.3	24.2	36.4





#69

Atrazine

Concen: 10.39 ng

RT: 11.080 min Scan# 1529

Delta R.T. -0.012 min

Lab File: BF122307.D

Acq: 11 Nov 2020 11:12

Tgt Ion:200 Resp: 94760

Ion Ratio Lower Upper

200 100

173 27.6 7.5 47.5

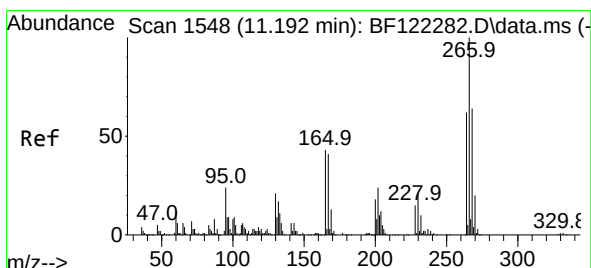
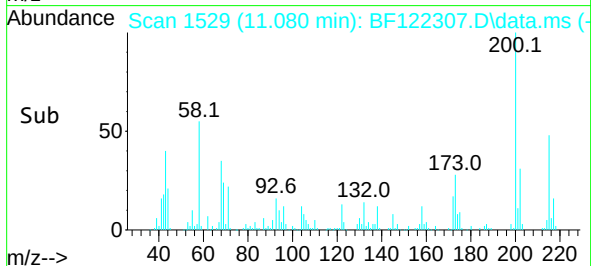
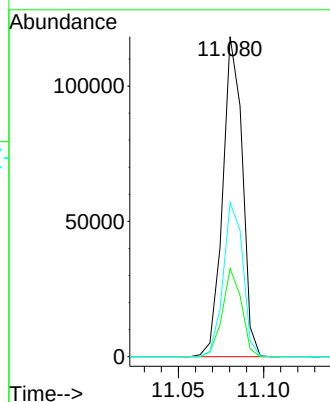
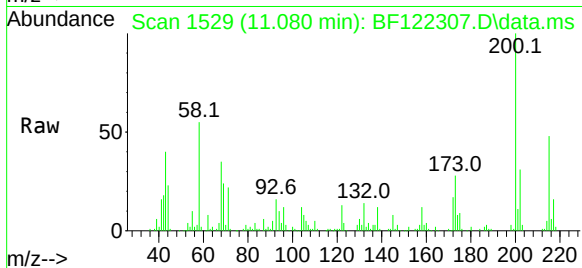
215 48.2 27.1 67.1

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2020



#70

Pentachlorophenol

Concen: 8.30 ng

RT: 11.186 min Scan# 1547

Delta R.T. -0.006 min

Lab File: BF122307.D

Acq: 11 Nov 2020 11:12

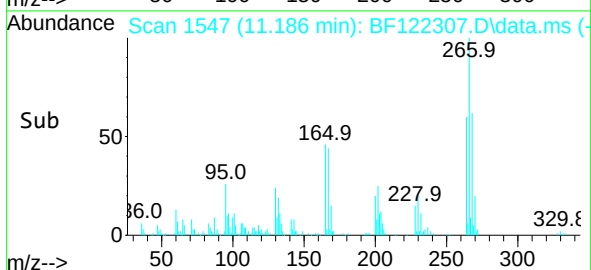
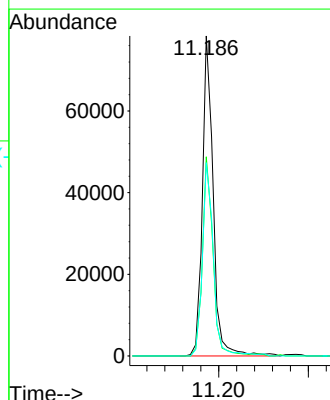
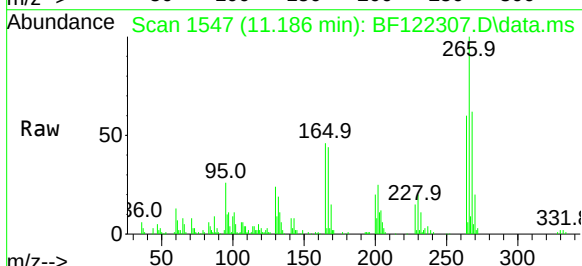
Tgt Ion:266 Resp: 65285

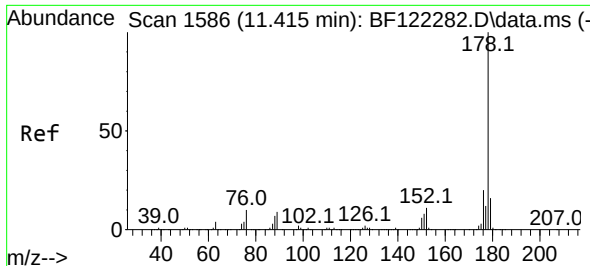
Ion Ratio Lower Upper

266 100

268 62.2 52.4 78.6

264 60.4 49.9 74.9

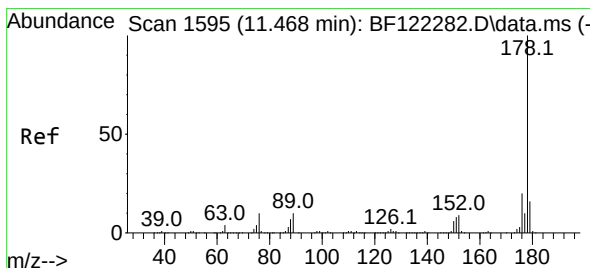
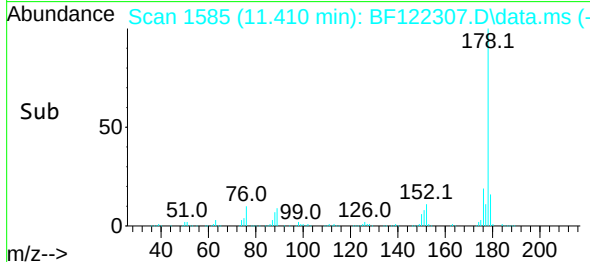
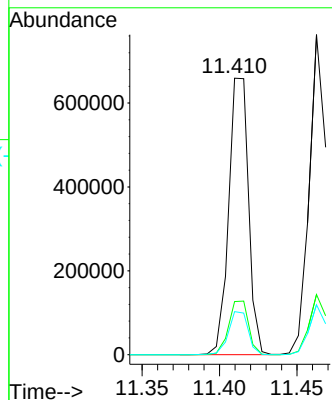
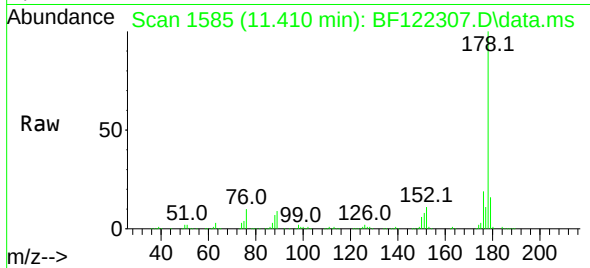




#71
Phenanthrene
Concen: 9.64 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

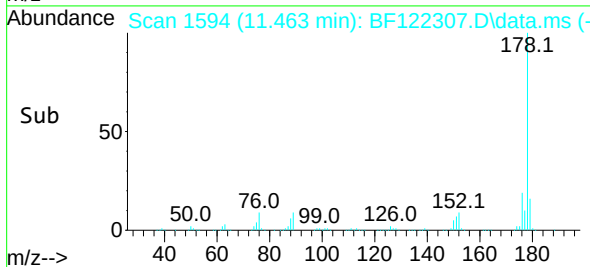
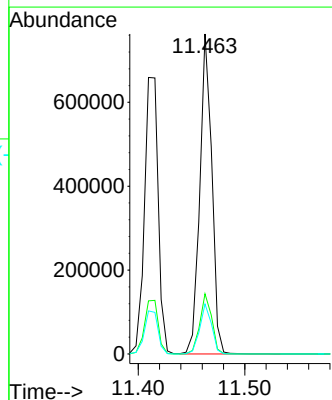
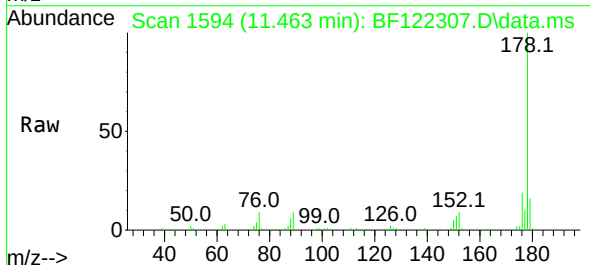
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

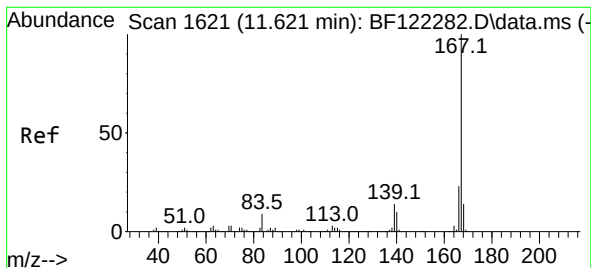
Tgt Ion:178 Resp: 587630
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.6 12.2 18.4



#72
Anthracene
Concen: 9.53 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:178 Resp: 599168
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.6 12.7 19.1





#73

Carbazole

Concen: 9.27 ng

RT: 11.616 min Scan# 1620

Delta R.T. -0.006 min

Lab File: BF122307.D

Acq: 11 Nov 2020 11:12

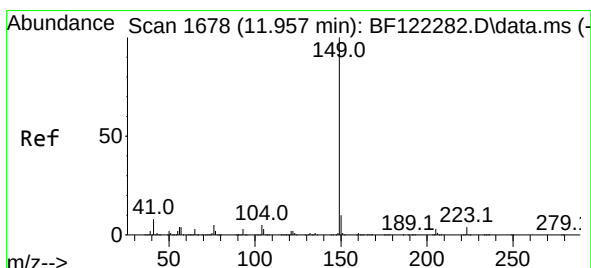
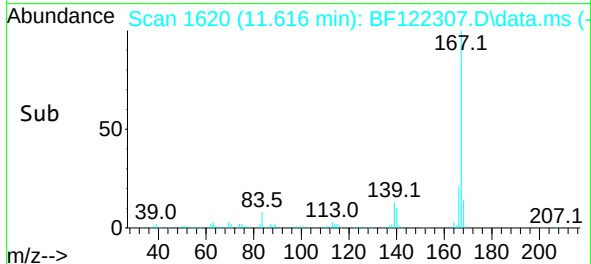
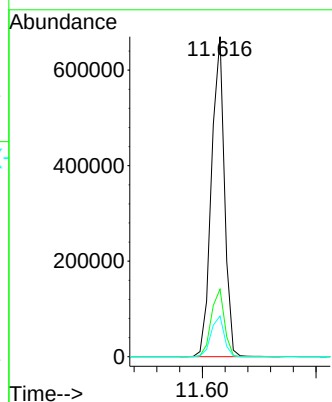
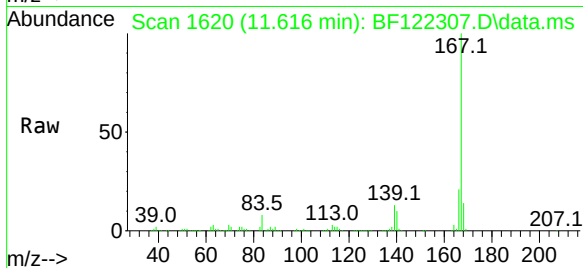
Tgt Ion:167	Resp: 529855
Ion Ratio	Lower Upper
167	100
166	21.1 17.8 26.6
139	12.7 10.8 16.2

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2020



#74

Di-n-butylphthalate

Concen: 9.47 ng

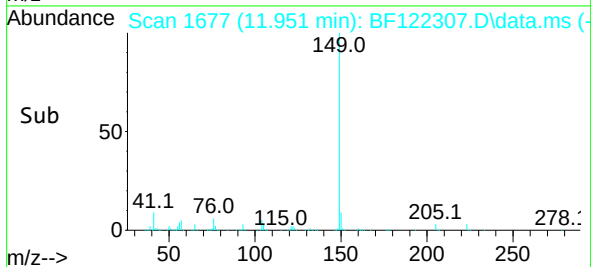
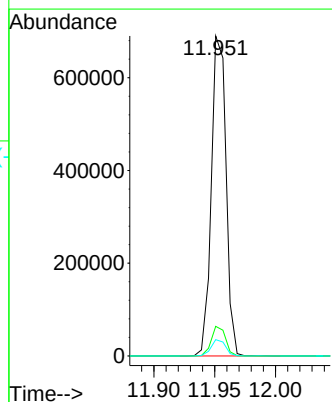
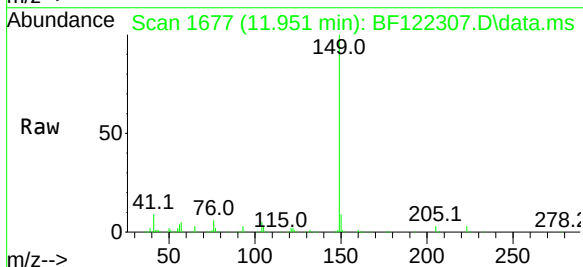
RT: 11.951 min Scan# 1677

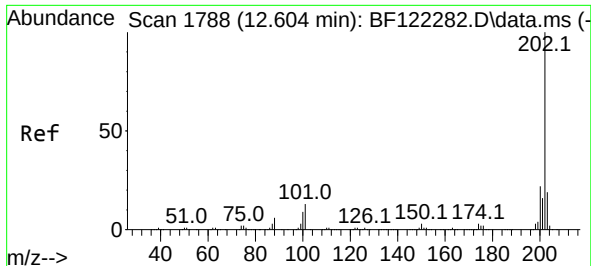
Delta R.T. -0.006 min

Lab File: BF122307.D

Acq: 11 Nov 2020 11:12

Tgt Ion:149	Resp: 577235
Ion Ratio	Lower Upper
149	100
150	9.2 7.7 11.5
104	5.1 4.2 6.2

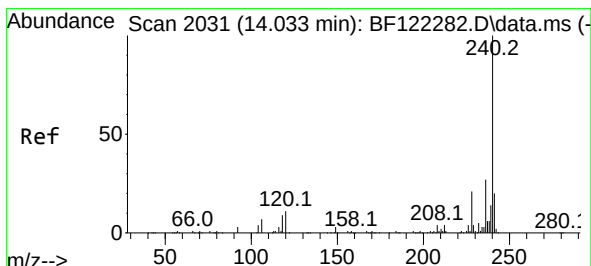
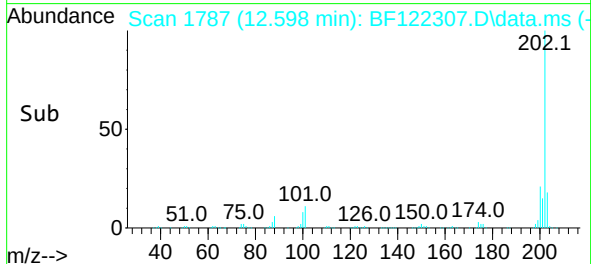
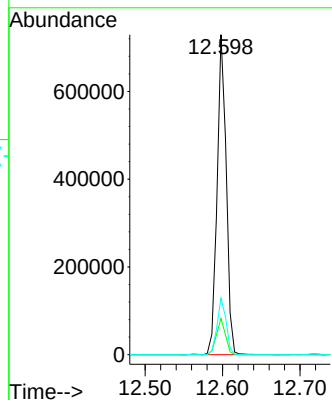
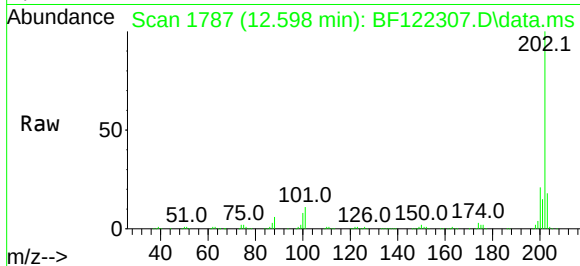




#75
Fluoranthene
Concen: 9.38 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

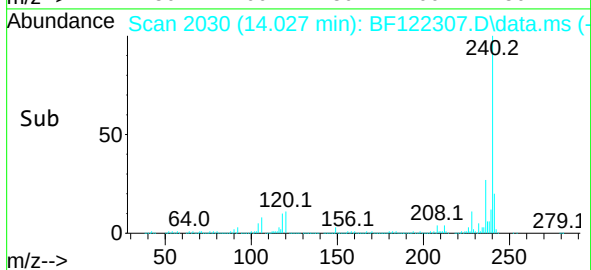
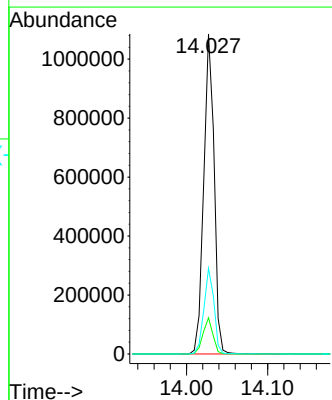
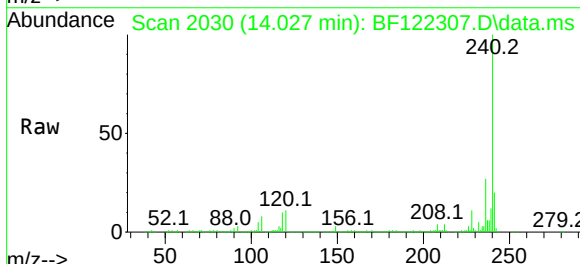
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

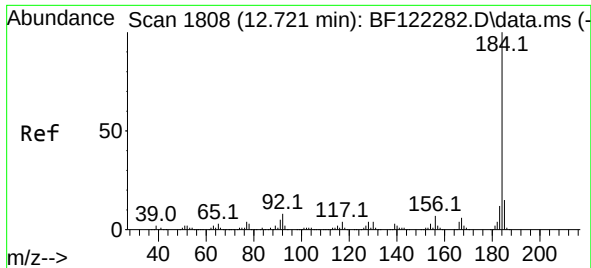
Tgt Ion:202 Resp: 597125
Ion Ratio Lower Upper
202 100
101 11.3 0.0 33.4
203 17.6 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:240 Resp: 961685
Ion Ratio Lower Upper
240 100
120 11.3 9.2 13.8
236 26.8 20.9 31.3

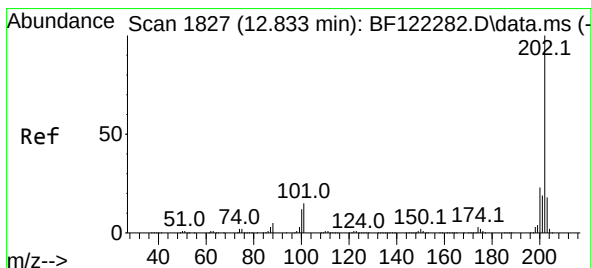
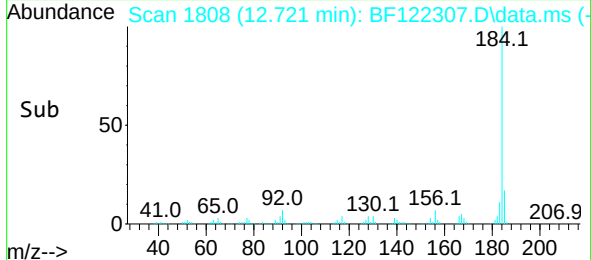
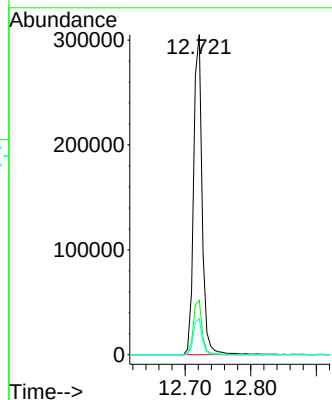
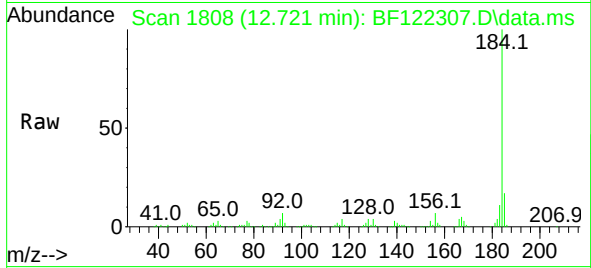




#77
Benzidine
Concen: 10.33 ng
RT: 12.721 min Scan# 1808
Delta R.T. 0.000 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

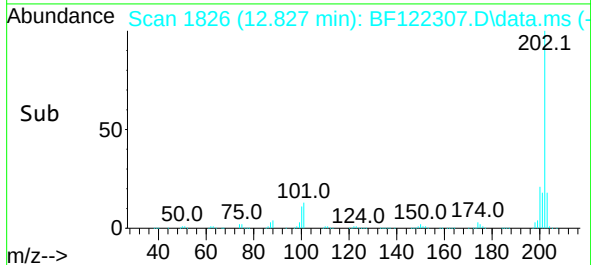
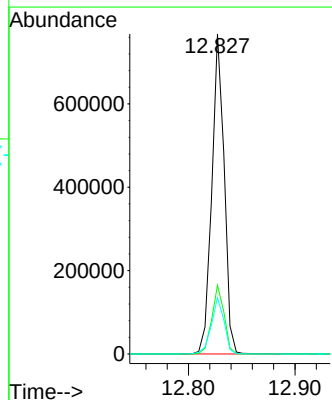
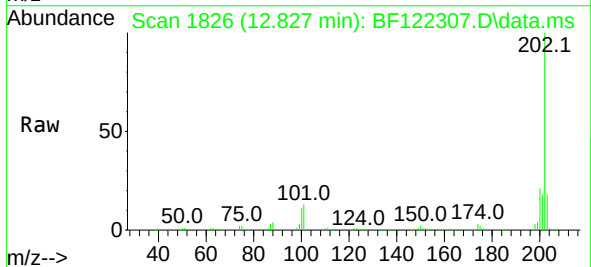
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

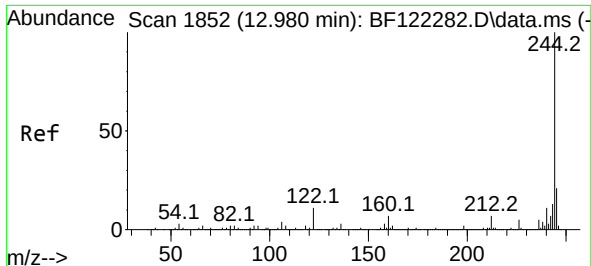
Tgt Ion:184 Resp: 275628
Ion Ratio Lower Upper
184 100
185 17.0 11.6 17.4
183 11.3 9.4 14.0



#78
Pyrene
Concen: 9.20 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:202 Resp: 621549
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 17.6 14.6 21.8

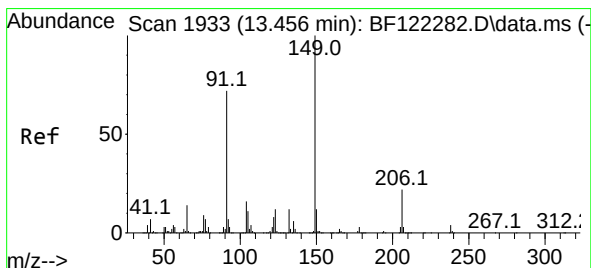
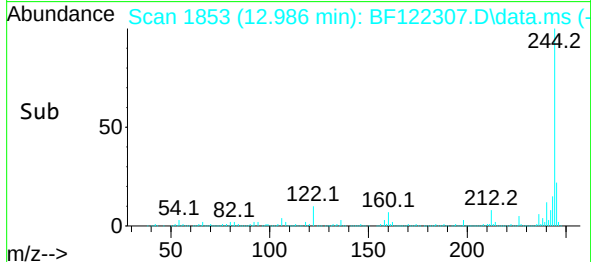
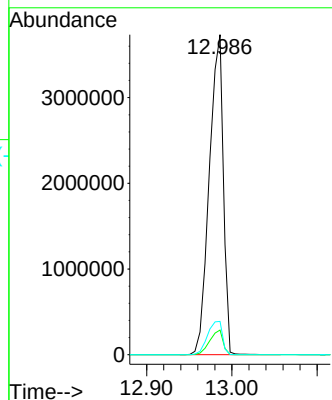
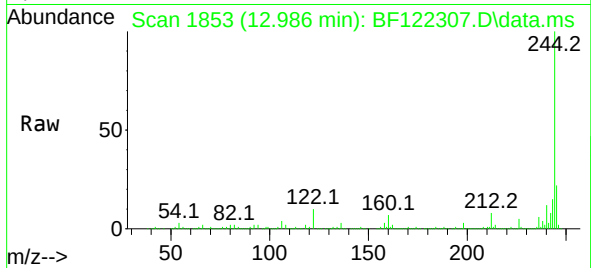




#79
 Terphenyl-d14
 Concen: 94.00 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: BF122307.D
 Acq: 11 Nov 2020 11:12

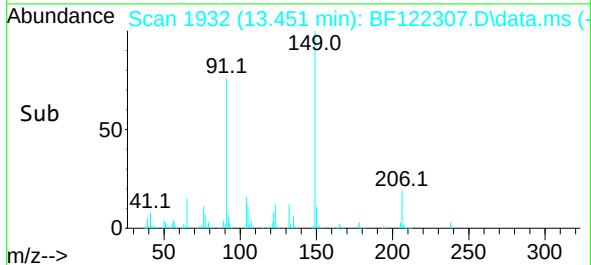
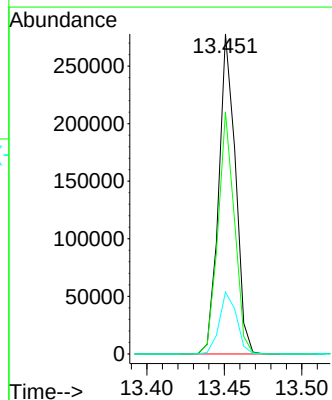
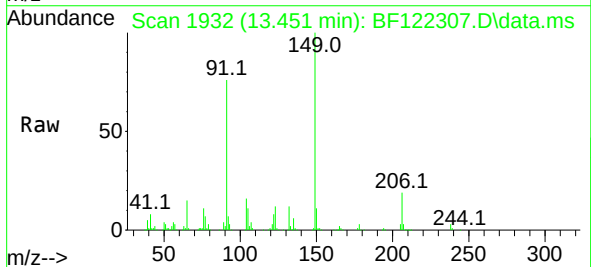
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2020

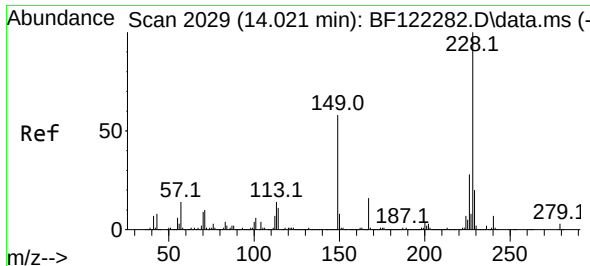
Tgt Ion:244 Resp: 4267263
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.2
 122 10.4 8.1 12.1



#80
 Butylbenzylphthalate
 Concen: 8.59 ng
 RT: 13.451 min Scan# 1932
 Delta R.T. -0.005 min
 Lab File: BF122307.D
 Acq: 11 Nov 2020 11:12

Tgt Ion:149 Resp: 208532
 Ion Ratio Lower Upper
 149 100
 91 75.6 61.0 91.4
 206 19.3 16.7 25.1

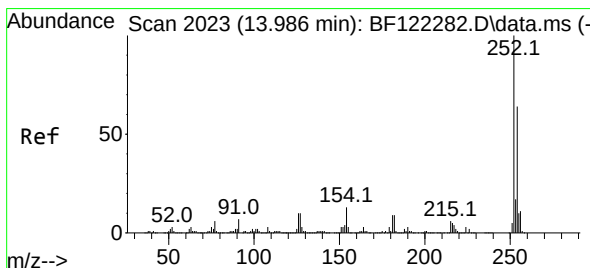
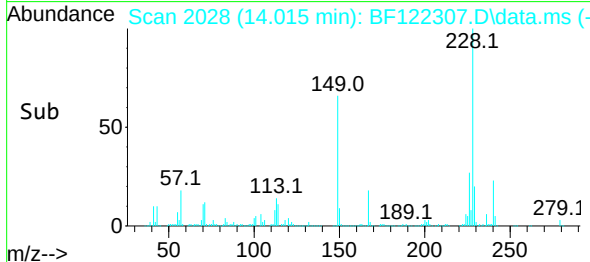
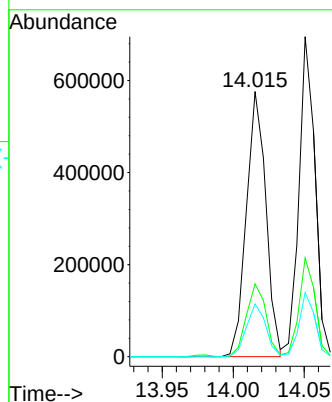
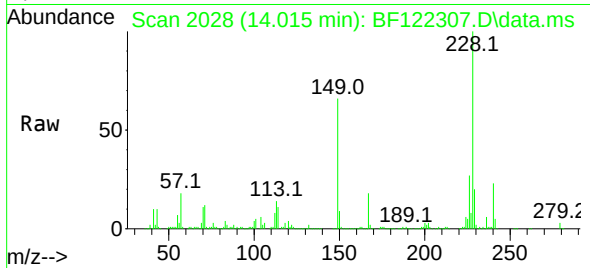




#81
Benzo(a)anthracene
Concen: 9.23 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

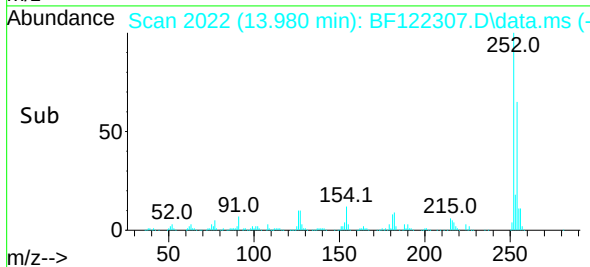
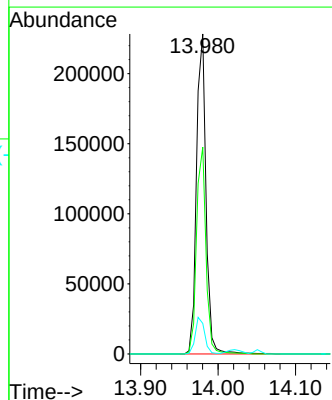
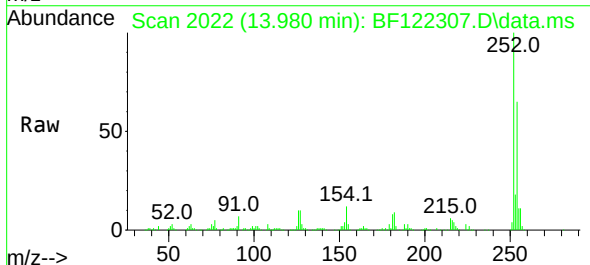
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

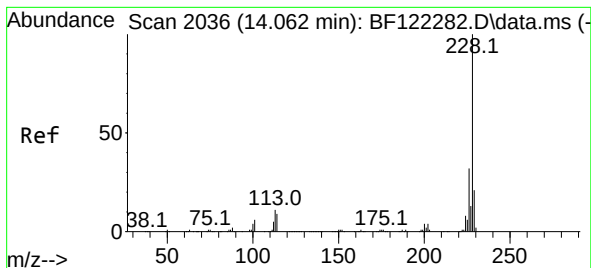
Tgt Ion:228 Resp: 552208
Ion Ratio Lower Upper
228 100
226 27.5 22.3 33.5
229 19.9 16.2 24.4



#82
3,3'-Dichlorobenzidine
Concen: 8.72 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:252 Resp: 194335
Ion Ratio Lower Upper
252 100
254 64.7 51.8 77.6
126 9.6 8.8 13.2





#83

Chrysene

Concen: 9.11 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.012 min

Lab File: BF122307.D

Acq: 11 Nov 2020 11:12

Tgt Ion:228 Resp: 548709

Ion Ratio Lower Upper

228 100

226 30.9 24.6 37.0

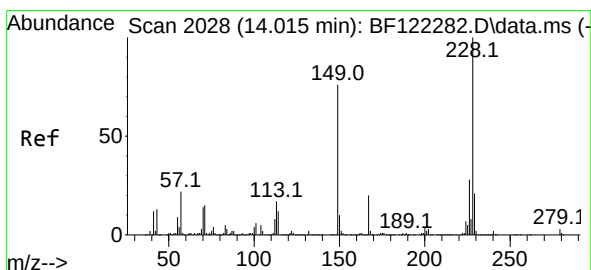
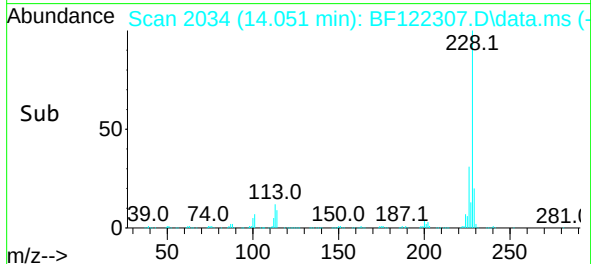
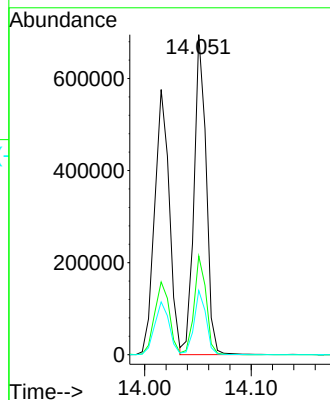
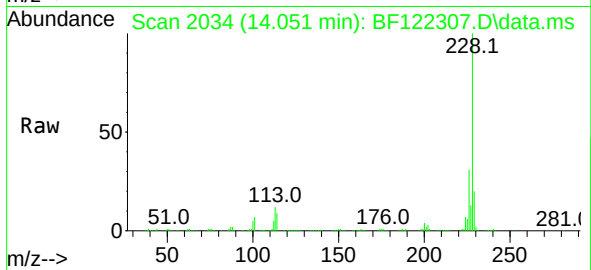
229 20.0 15.9 23.9

Instrument :

BNA_F

ClientSampleId :

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#84

Bis(2-ethylhexyl)phthalate

Concen: 9.15 ng

RT: 14.015 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF122307.D

Acq: 11 Nov 2020 11:12

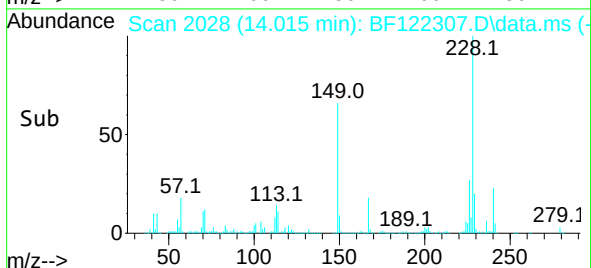
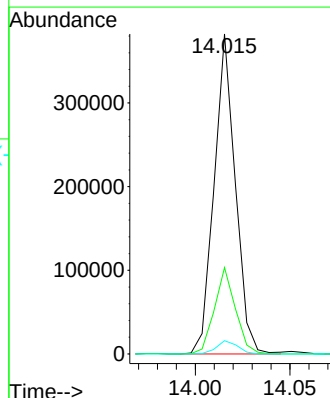
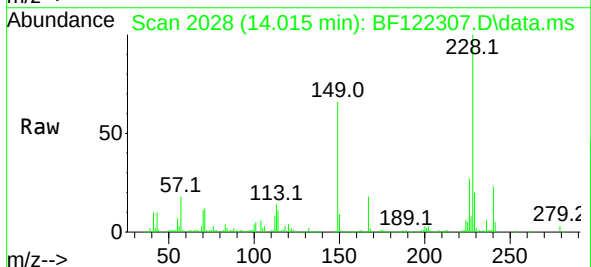
Tgt Ion:149 Resp: 298174

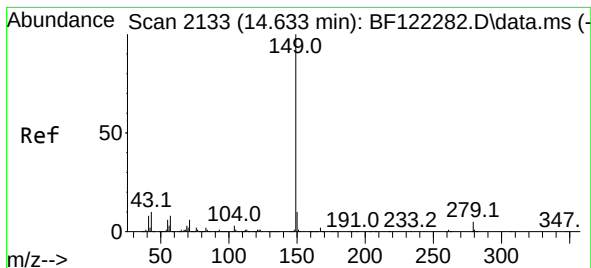
Ion Ratio Lower Upper

149 100

167 27.0 20.9 31.3

279 4.1 3.2 4.8

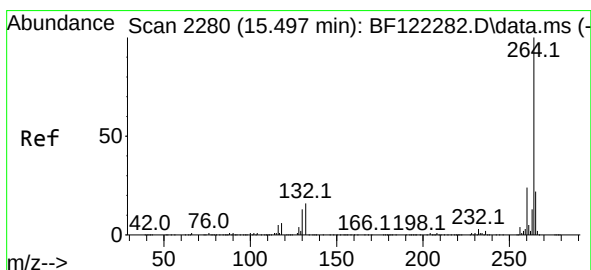
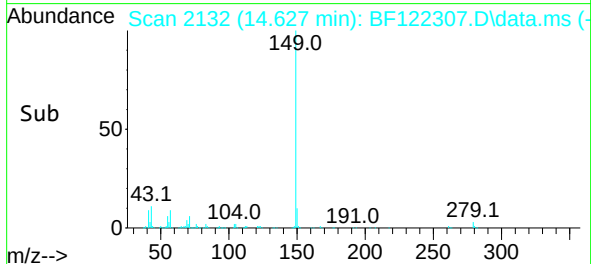
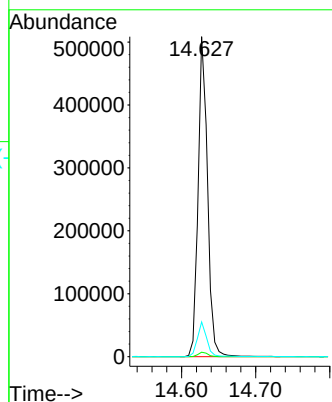
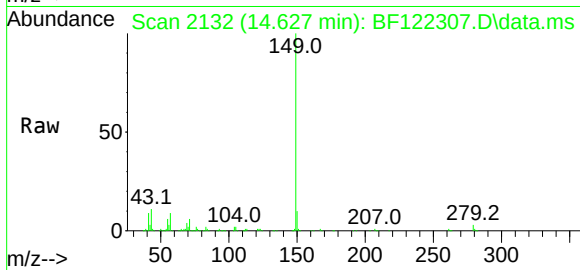




#85
Di-n-octyl phthalate
Concen: 8.08 ng
RT: 14.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

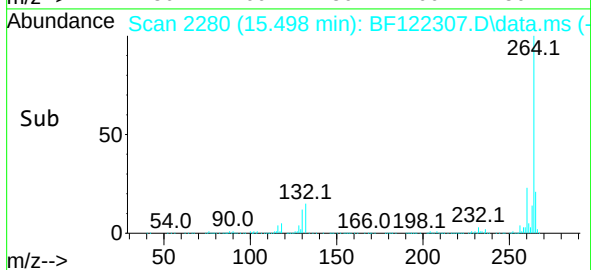
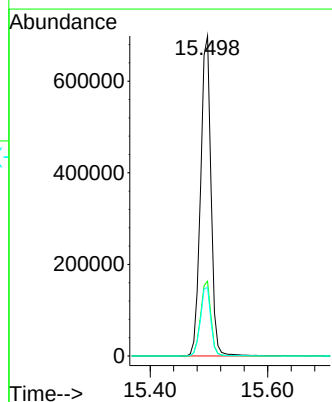
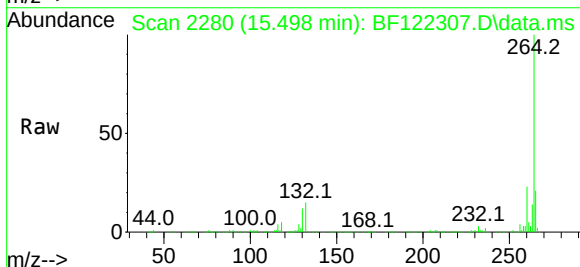
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

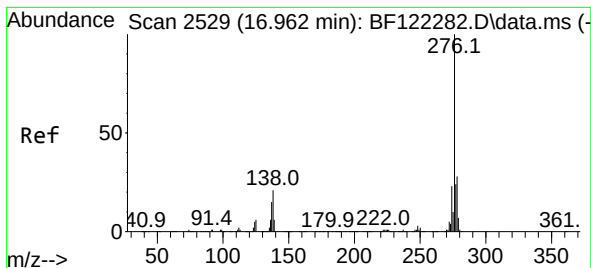
Tgt Ion:149 Resp: 445973
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 11.0 9.0 13.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:264 Resp: 856350
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 21.4 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.17 ng

RT: 16.950 min Scan# 2527

Delta R.T. -0.012 min

Lab File: BF122307.D

Acq: 11 Nov 2020 11:12

Tgt Ion:276 Resp: 420013

Ion Ratio Lower Upper

276 100

138 23.9 19.9 29.9

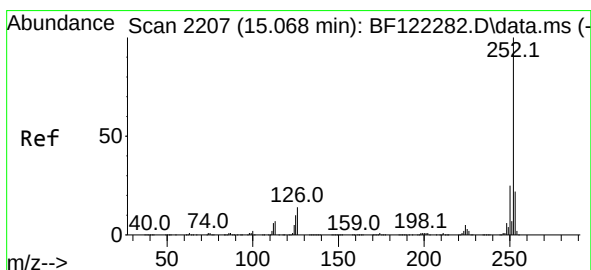
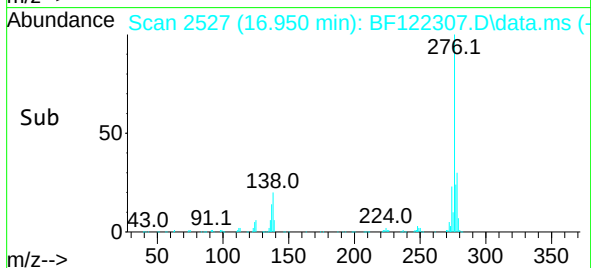
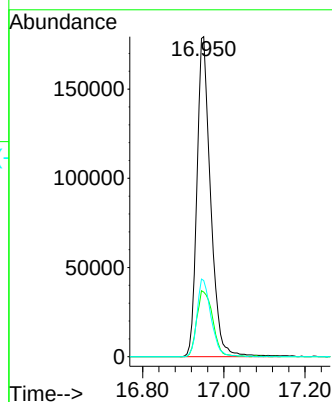
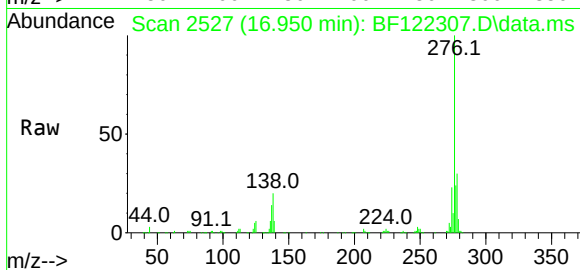
277 24.9 20.4 30.6

Instrument :

BNA_F

ClientSampleId :

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#88

Benzo(b)fluoranthene

Concen: 9.26 ng

RT: 15.062 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF122307.D

Acq: 11 Nov 2020 11:12

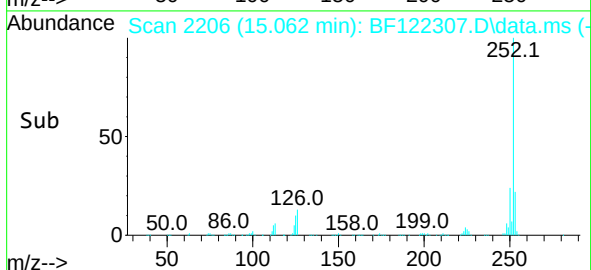
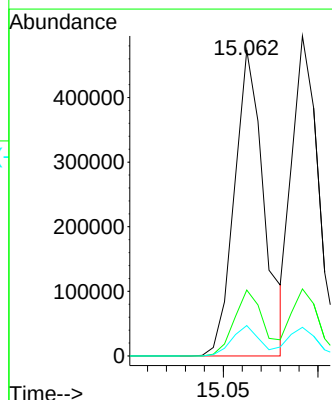
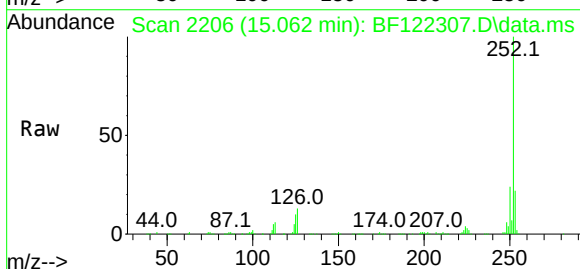
Tgt Ion:252 Resp: 513556

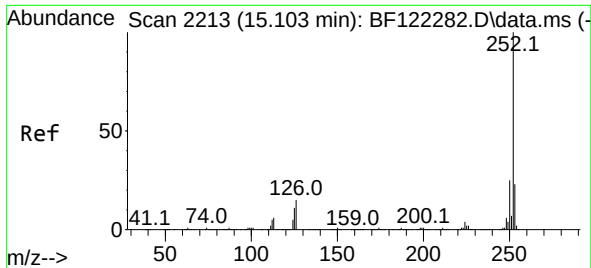
Ion Ratio Lower Upper

252 100

253 21.6 18.2 27.2

125 10.0 8.0 12.0

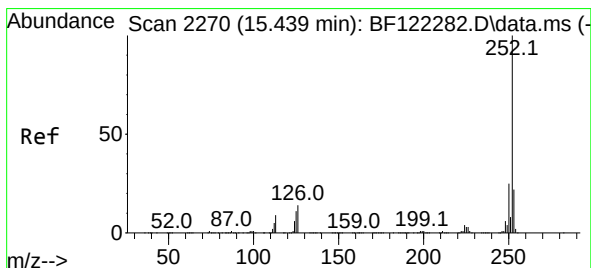
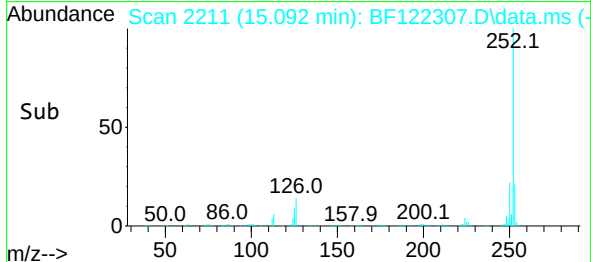
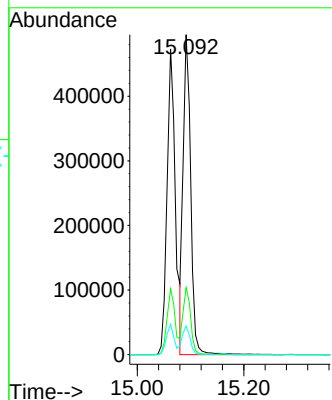
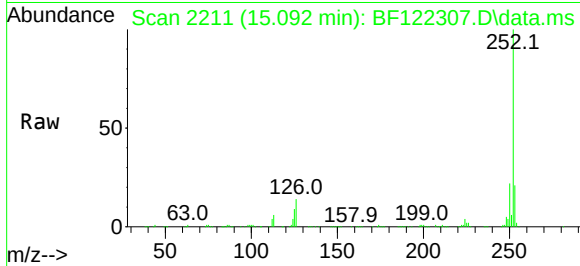




#89
Benzo(k)fluoranthene
Concen: 9.01 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

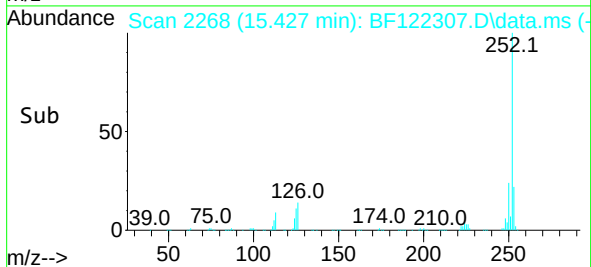
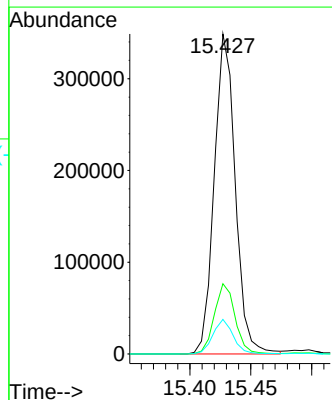
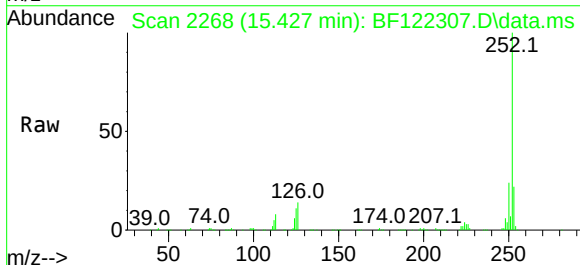
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

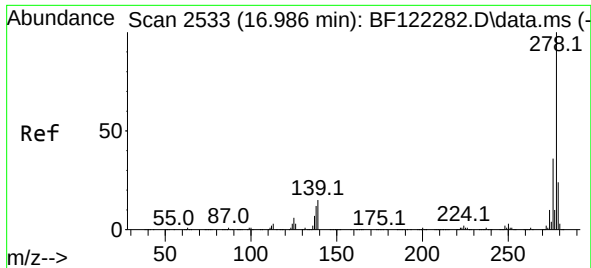
Tgt Ion:252 Resp: 487186
Ion Ratio Lower Upper
252 100
253 20.9 17.8 26.6
125 8.9 7.7 11.5



#90
Benzo(a)pyrene
Concen: 8.68 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.012 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:252 Resp: 419507
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 10.8 8.6 13.0

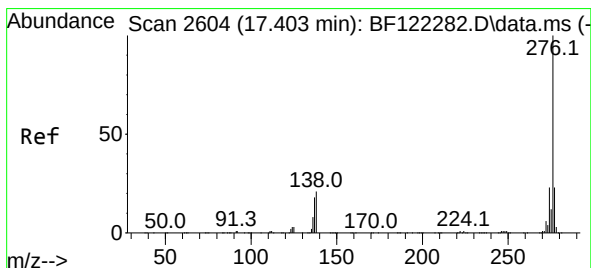
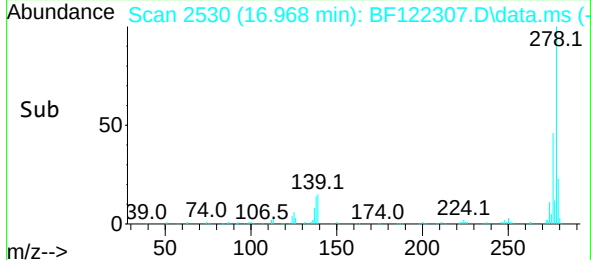
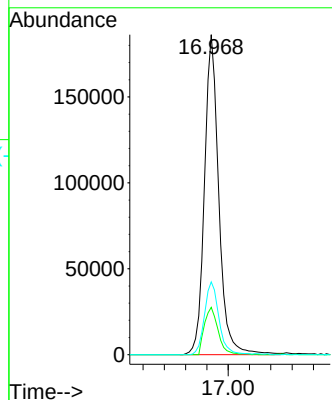
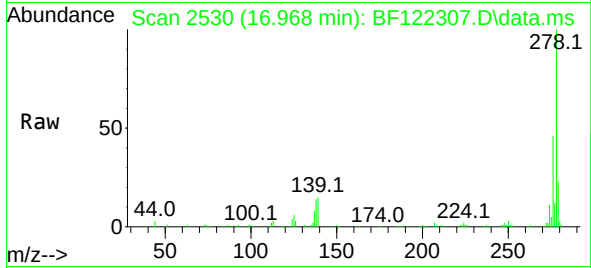




#91
Dibenzo(a,h)anthracene
Concen: 8.09 ng
RT: 16.968 min Scan# 2530
Delta R.T. -0.017 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

Tgt Ion:278 Resp: 348176
Ion Ratio Lower Upper
278 100
139 14.8 13.0 19.4
279 22.7 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 7.99 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.017 min
Lab File: BF122307.D
Acq: 11 Nov 2020 11:12

Tgt Ion:276 Resp: 334611
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.2
138 22.1 17.8 26.6

