

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081621\
 Data File : BN015884.D
 Acq On : 16 Aug 2021 18:44
 Operator : CG/JU
 Sample : M2250-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT3-2021-05

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Quant Time: Aug 17 00:59:59 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081621MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 16 16:09:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	281891	20.000	ng/ul	0.00
20) Naphthalene-d8	10.710	136	1172795	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.551	164	755535	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.298	188	1551817	20.000	ng/ul	0.00
79) Chrysene-d12	21.486	240	1544567	20.000	ng/ul	0.00
88) Perylene-d12	23.910	264	1486815	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	33003	4.561	ng/uL	0.00
4) Pyridine-d5	3.746	84	335039	16.565	ng/ul	0.00
7) Phenol-d5	7.052	99	576098	22.593	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.228	67	381017	24.269	ng/ul	0.00
11) 2-Chlorophenol-d4	7.428	132	454897	25.071	ng/ul	0.00
15) 4-Methylphenol-d8	8.604	113	456353	23.010	ng/ul	0.00
21) Nitrobenzene-d5	9.063	128	208459	24.150	ng/ul	0.00
24) 2-Nitrophenol-d4	9.793	143	216541	26.804	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.328	165	422606	24.174	ng/ul	0.00
31) 4-Chloroaniline-d4	10.846	131	604496	22.716	ng/ul	0.00
46) Dimethylphthalate-d6	13.957	166	1372450	24.786	ng/ul	0.00
49) Acenaphthylene-d8	14.245	160	1678419	24.204	ng/ul	0.00
54) 4-Nitrophenol-d4	14.728	143	205085	20.941	ng/ul	0.00
60) Fluorene-d10	15.545	176	1190365	24.646	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.657	200	171680	20.716	ng/ul	0.00
73) Anthracene-d10	17.398	188	1811728	24.909	ng/ul	0.00
81) Pyrene-d10	19.692	212	2009012	24.148	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.751	264	2091477	26.017	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.369	88	9751	1.311	ng/uL#	75
5) Pyridine	3.764	79	84103	4.033	ng/ul#	65
6) Benzaldehyde	7.040	77	74160m	5.653	ng/ul	
8) Phenol	7.081	94	114828	4.418	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.322	93	89982	4.419	ng/ul	93
12) 2-Chlorophenol	7.463	128	87216	4.677	ng/ul	96
13) 2-Methylphenol	8.340	108	80240	4.214	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.440	45	115294	4.433	ng/ul	98
16) Acetophenone	8.728	105	146054	4.564	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.710	70	68415	4.378	ng/ul	96
18) 4-Methylphenol	8.663	108	90684	4.450	ng/ul	91
19) Hexachloroethane	8.987	117	38355	4.529	ng/ul	92
22) Nitrobenzene	9.104	77	116353	4.767	ng/ul	99
23) Isophorone	9.634	82	179783	4.234	ng/ul	98
25) 2-Nitrophenol	9.822	139	43458	4.933	ng/ul#	84
26) 2,4-Dimethylphenol	9.881	107	106646	4.532	ng/ul	94
27) Bis(2-Chloroethoxy)met...	10.122	93	117899	4.520	ng/ul	99
29) 2,4-Dichlorophenol	10.351	162	79756	4.627	ng/ul	93
30) Naphthalene	10.763	128	293024	4.665	ng/ul	98
32) 4-Chloroaniline	10.869	127	120295	4.579	ng/ul	98
33) Hexachlorobutadiene	11.051	225	61101	4.614	ng/ul	92
34) Caprolactam	11.646	113	18596m	3.443	ng/ul	
35) 4-Chloro-3-methylphenol	11.987	107	89327	4.375	ng/ul	93
36) 2-Methylnaphthalene	12.375	142	203027	4.648	ng/ul	93

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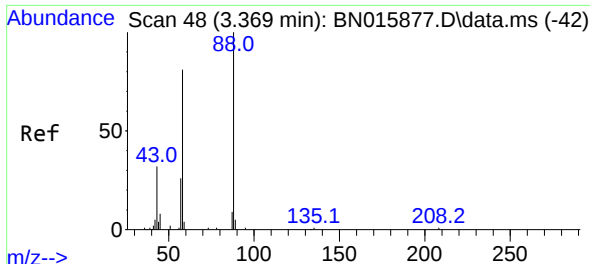
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.592	142	202303	4.653	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.745	216	109070	4.462	ng/ul	97
40) Hexachlorocyclopentadiene	12.728	237	70129	4.426	ng/ul	97
41) 2,4,6-Trichlorophenol	12.981	196	56751	4.246	ng/ul	99
42) 2,4,5-Trichlorophenol	13.045	196	62082	4.255	ng/ul	99
43) 1,1'-Biphenyl	13.387	154	267752	4.583	ng/ul	98
44) 2-Chloronaphthalene	13.428	162	205729	4.560	ng/ul	97
45) 2-Nitroaniline	13.622	65	49873	3.902	ng/ul	91
47) Dimethylphthalate	14.004	163	257006	4.682	ng/ul	100
48) 2,6-Dinitrotoluene	14.122	165	38188	3.842	ng/ul#	93
50) Acenaphthylene	14.269	152	307362	4.663	ng/ul	100
51) 3-Nitroaniline	14.445	138	40041	3.746	ng/ul#	81
52) Acenaphthene	14.610	153	213381	4.475	ng/ul	99
53) 2,4-Dinitrophenol	14.651	184	23290	4.217	ng/ul	91
55) 4-Nitrophenol	14.745	109	40473	4.224	ng/ul	93
56) Dibenzofuran	14.951	168	298889	4.534	ng/ul	97
57) 2,4-Dinitrotoluene	14.904	165	61402	4.289	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.169	232	52781	4.372	ng/ul	98
59) Diethylphthalate	15.369	149	243620	4.439	ng/ul	96
61) Fluorene	15.598	166	249464	4.638	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.592	204	129607	4.621	ng/ul	96
63) 4-Nitroaniline	15.604	138	43396	4.238	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.669	198	34728	4.213	ng/ul#	86
67) N-Nitrosodiphenylamine	15.804	169	209901	4.634	ng/ul	98
68) 4-Bromophenyl-phenylether	16.486	248	76766	4.610	ng/ul	93
69) Hexachlorobenzene	16.604	284	92636	4.760	ng/ul	94
70) Atrazine	16.757	200	68641	4.178	ng/ul	96
71) Pentachlorophenol	16.945	266	37283	3.415	ng/ul	95
72) Phenanthrene	17.339	178	389452	4.616	ng/ul	97
74) Anthracene	17.433	178	401567	4.662	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.351	216	109366	4.474	ng/ul	97
76) Pentachlorobenzene	14.869	250	105454	4.432	ng/ul	94
77) Carbazole	17.698	167	330898	4.370	ng/ul	99
78) Di-n-butylphthalate	18.275	149	347233	4.033	ng/ul	99
80) Fluoranthene	19.357	202	440390	4.375	ng/ul	99
82) Pyrene	19.722	202	466417	4.452	ng/ul	98
83) Butylbenzylphthalate	20.622	149	133889	3.800	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.404	252	136496	4.316	ng/ul	97
85) Benzo(a)anthracene	21.469	228	454327	4.572	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.404	149	217443	3.892	ng/ul	97
87) Chrysene	21.521	228	440863	4.582	ng/ul	98
89) Di-n-octyl phthalate	22.339	149	342810	3.643	ng/ul	100
90) Benzo(b)fluoranthene	23.168	252	438005	4.481	ng/ul	97
91) Benzo(k)fluoranthene	23.215	252	433926	4.459	ng/ul	98
93) Benzo(a)pyrene	23.798	252	377863	4.270	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.415	276	483789	4.409	ng/ul	99
95) Dibenzo(a,h)anthracene	26.433	278	413137	4.561	ng/ul	96
96) Benzo(g,h,i)perylene	27.186	276	394120	4.345	ng/ul	99

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



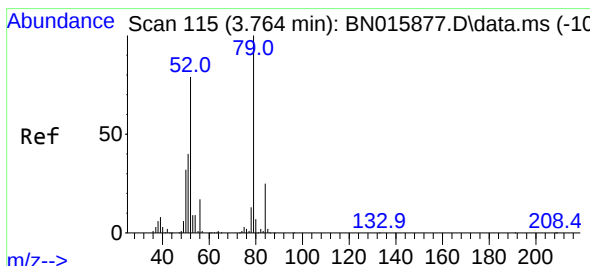
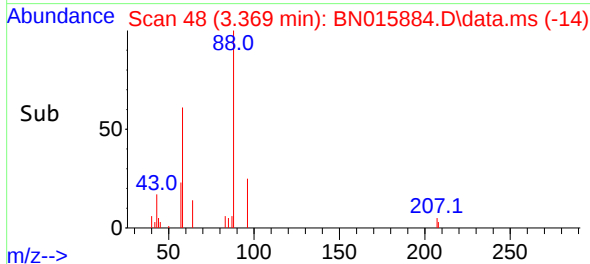
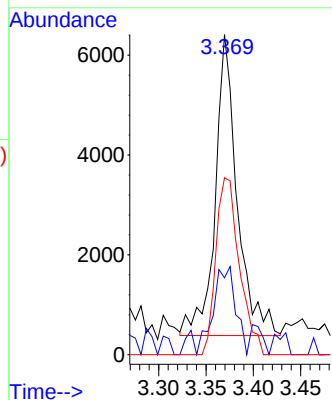
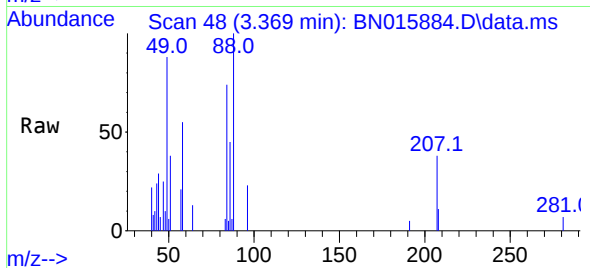
#2
1,4-Dioxane
Concen: 1.311 ng/uL
RT: 3.369 min Scan# 48
Delta R.T. 0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion: 88 Resp: 9751
Ion Ratio Lower Upper
88 100
43 24.0 26.4 39.6#
58 55.3 65.0 97.4#

Instrument :
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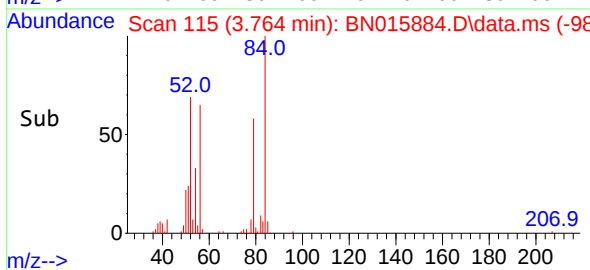
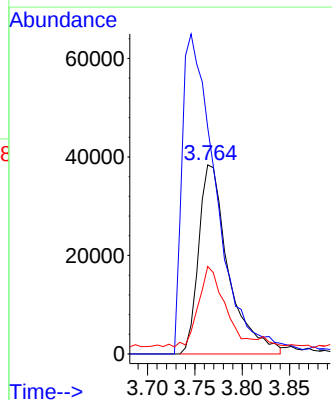
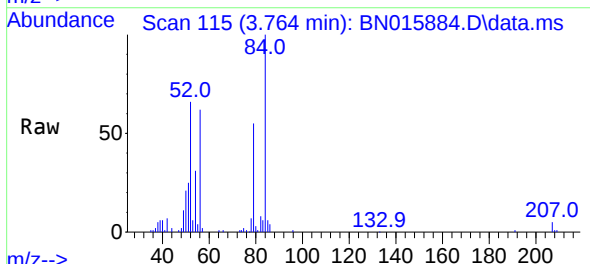
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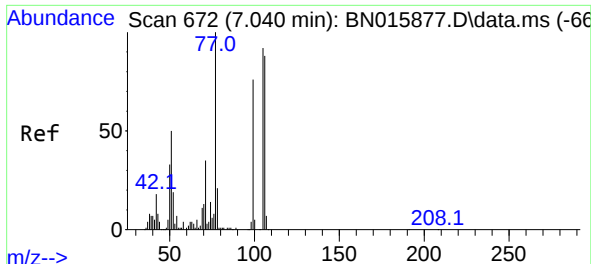
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#5
Pyridine
Concen: 4.033 ng/uL
RT: 3.764 min Scan# 115
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion: 79 Resp: 84103
Ion Ratio Lower Upper
79 100
52 119.7 62.9 94.3#
51 46.3 32.0 48.0





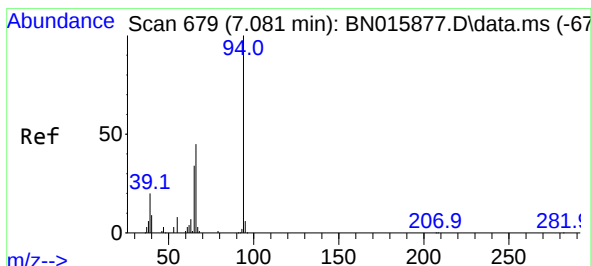
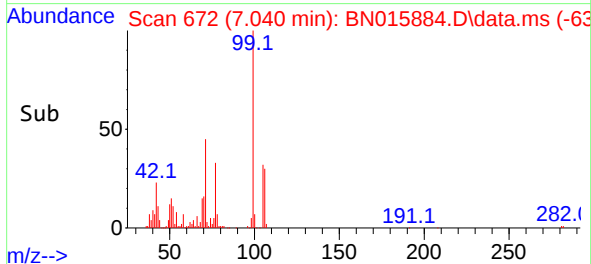
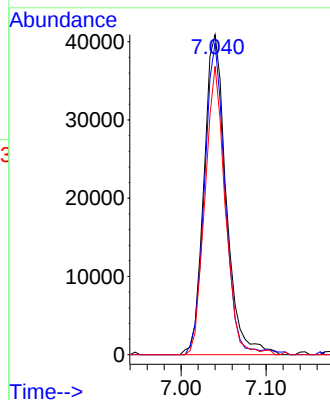
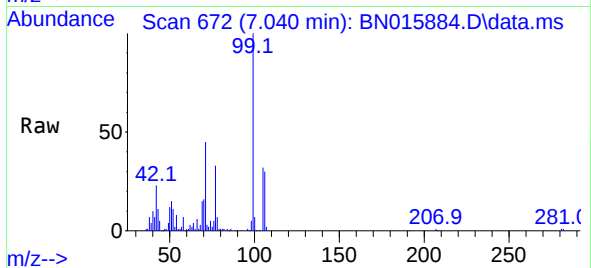
#6
Benzaldehyde
Concen: 5.653 ng/ul m
RT: 7.040 min Scan# 672
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion: 77 Resp: 74160
Ion Ratio Lower Upper
77 100
105 97.4 73.4 110.0
106 90.1 70.3 105.5

Instrument :
BNA_N
ClientSampleId :
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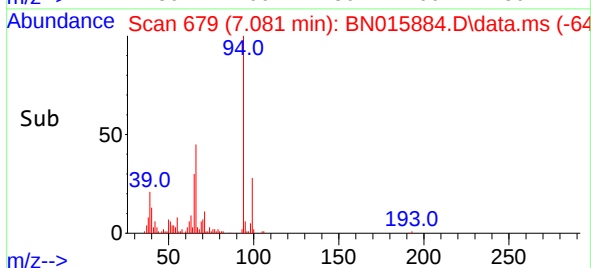
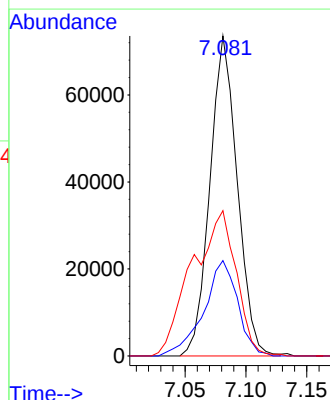
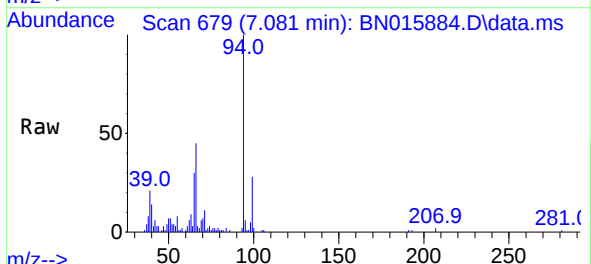
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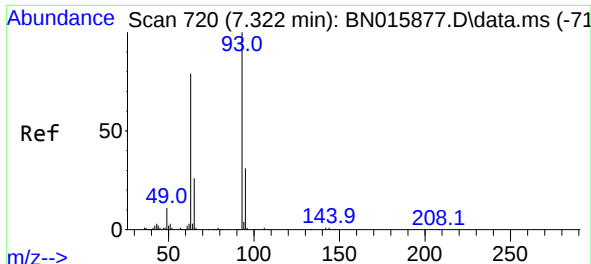
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#8
Phenol
Concen: 4.418 ng/ul
RT: 7.081 min Scan# 679
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion: 94 Resp: 114828
Ion Ratio Lower Upper
94 100
65 29.8 27.0 40.6
66 45.4 37.8 56.8





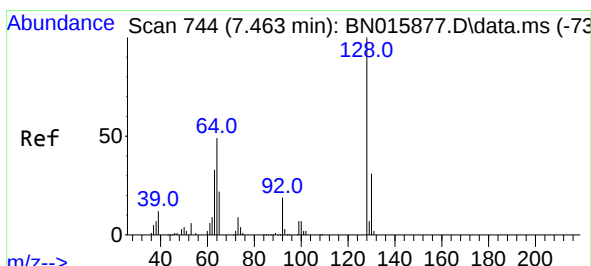
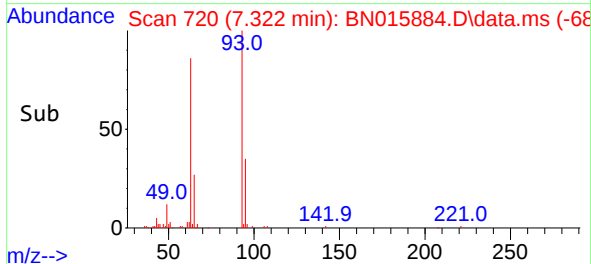
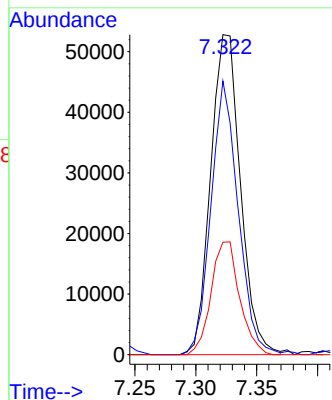
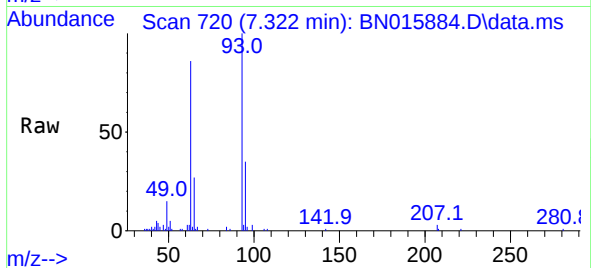
#10
Bis(2-Chloroethyl)ether
Concen: 4.419 ng/ul
RT: 7.322 min Scan# 720
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:	93	Resp:	89982
Ion	Ratio	Lower	Upper
93	100		
63	85.5	63.4	95.0
95	35.1	25.2	37.8

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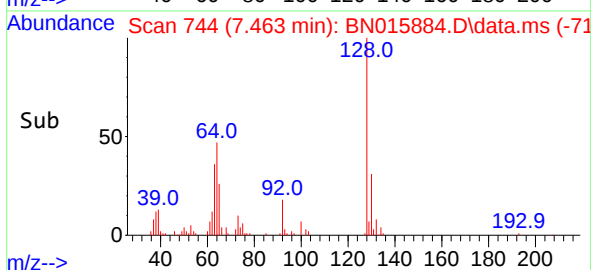
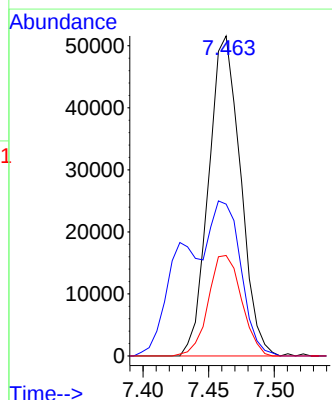
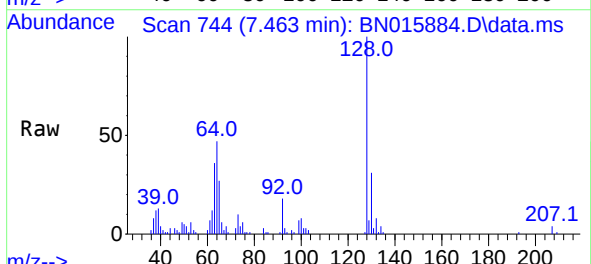
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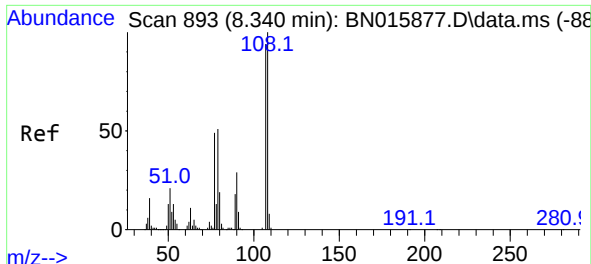
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#12
2-Chlorophenol
Concen: 4.677 ng/ul
RT: 7.463 min Scan# 744
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

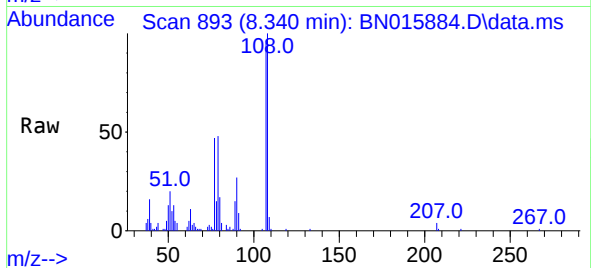
Tgt Ion:	128	Resp:	87216
Ion	Ratio	Lower	Upper
128	100		
64	47.5	41.4	62.2
130	31.4	25.2	37.8





#13
2-Methylphenol
Concen: 4.214 ng/ul
RT: 8.340 min Scan# 893
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

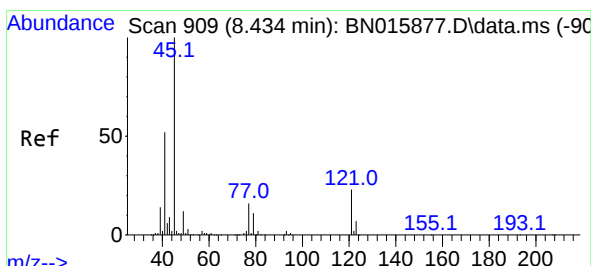
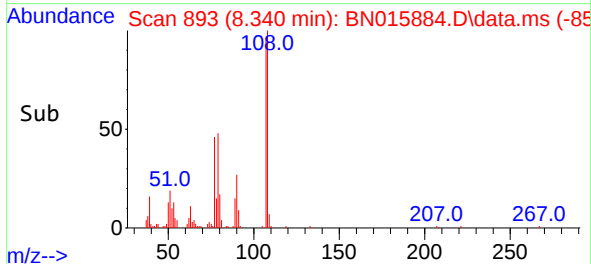
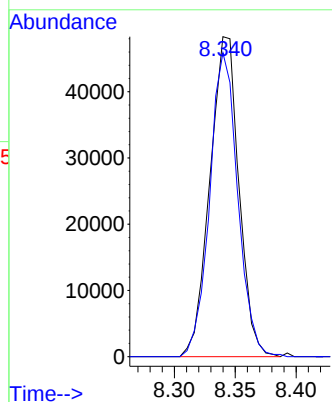
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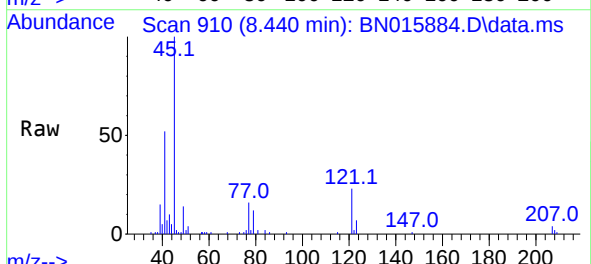
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Ion Ratio Lower Upper
108 100
107 95.0 74.9 112.3

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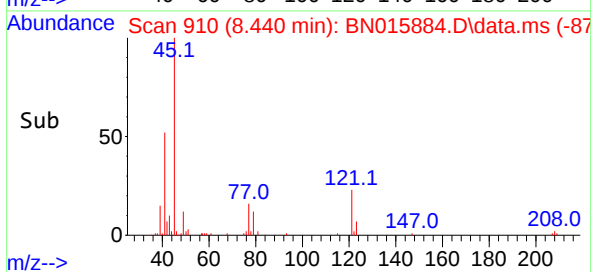
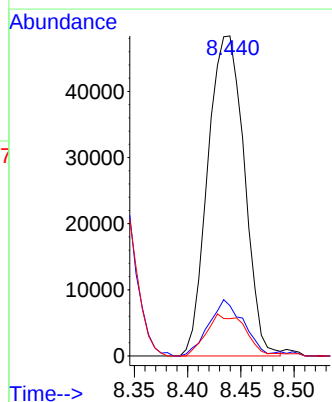
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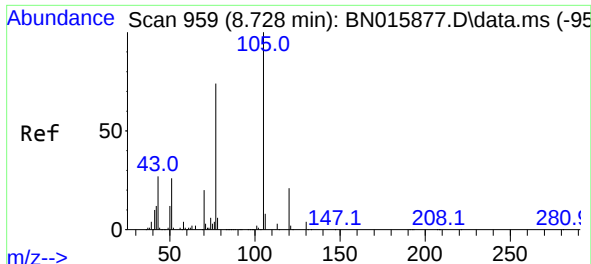


#14
2,2'-oxybis(1-Chloropropane)
Concen: 4.433 ng/ul
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



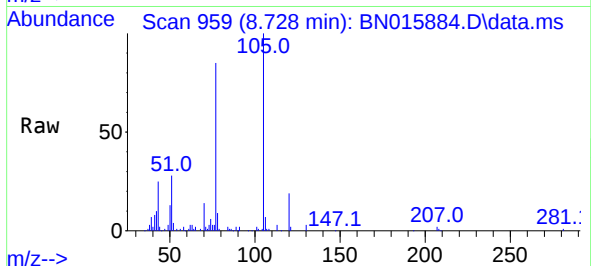
Tgt Ion: 45 Resp: 115294
Ion Ratio Lower Upper
45 100
77 15.7 13.2 19.8
79 11.7 8.7 13.1





#16
Acetophenone
Concen: 4.564 ng/ul
RT: 8.728 min Scan# 959
Delta R.T. -0.000 min
Lab File: BN015884.D
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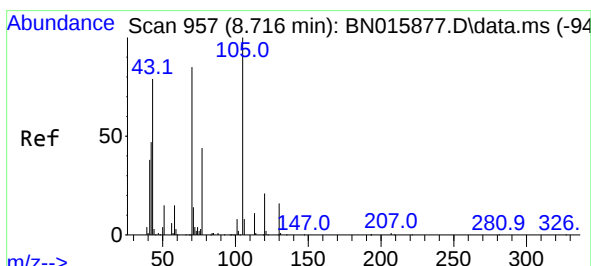
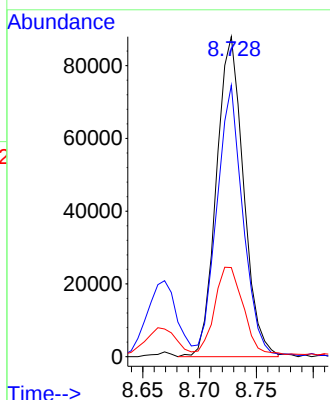
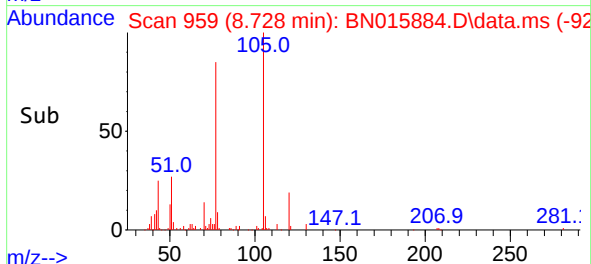
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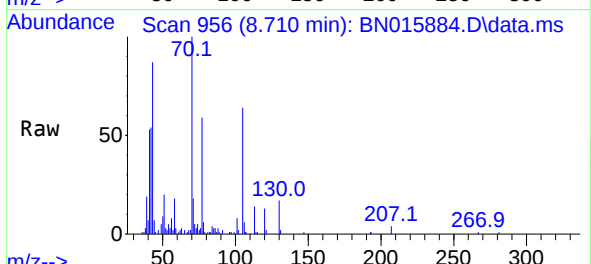
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Ion Ratio Lower Upper
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77 84.8 66.3 99.5
51 27.8 23.7 35.5

Manual Integrations
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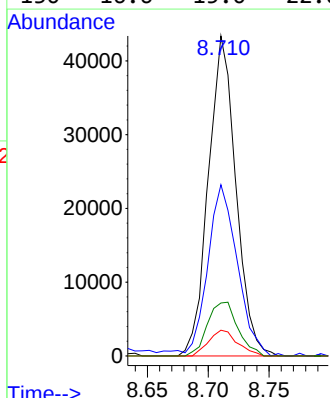
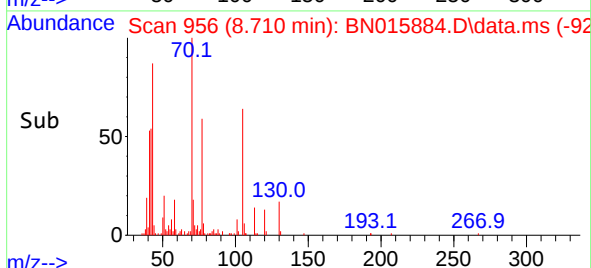
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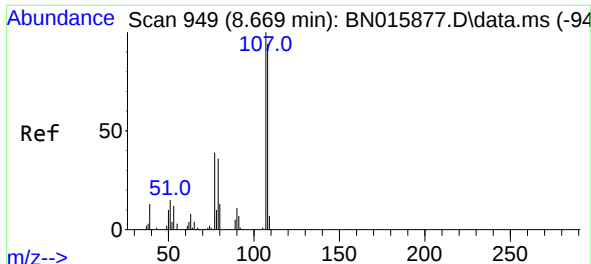


#17
N-Nitroso-di-n-propylamine
Concen: 4.378 ng/ul
RT: 8.710 min Scan# 956
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



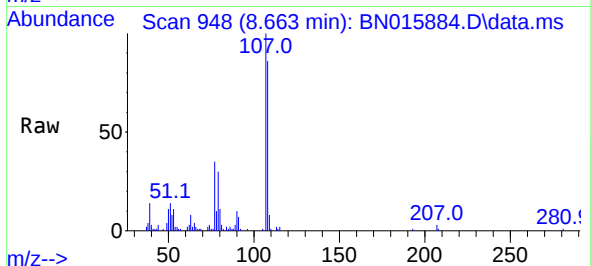
Tgt Ion: 70 Resp: 68415
Ion Ratio Lower Upper
70 100
42 53.5 45.3 67.9
101 8.0 7.6 11.4
130 16.6 15.0 22.6





#18
4-Methylphenol
Concen: 4.450 ng/ul
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

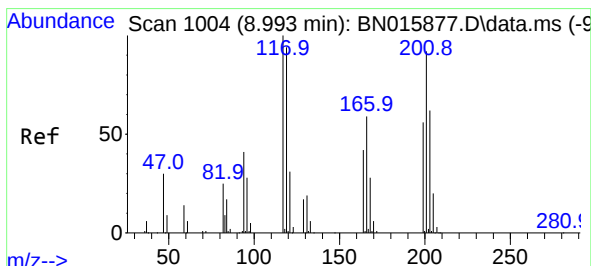
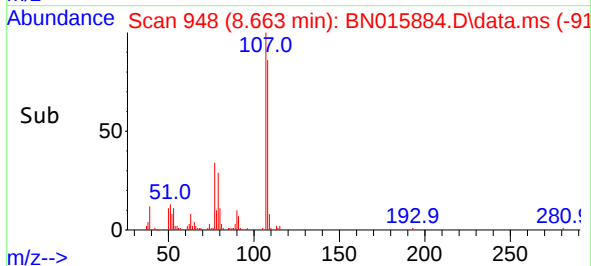
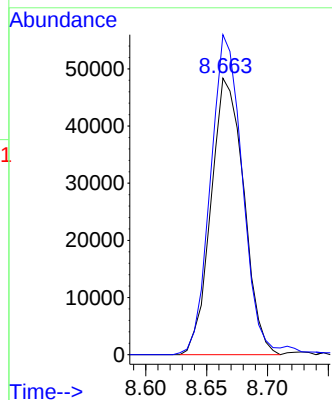
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05



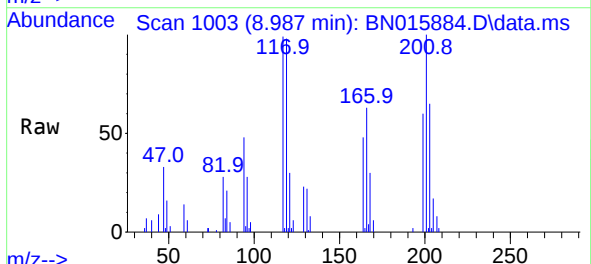
Tgt Ion:108 Resp: 90684
Ion Ratio Lower Upper
108 100
107 115.7 85.3 127.9

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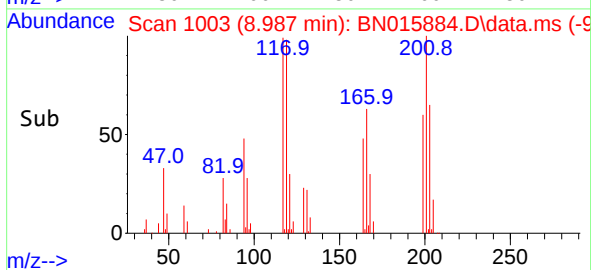
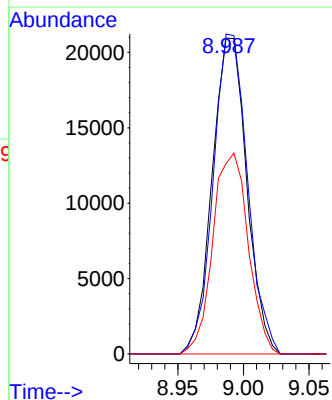
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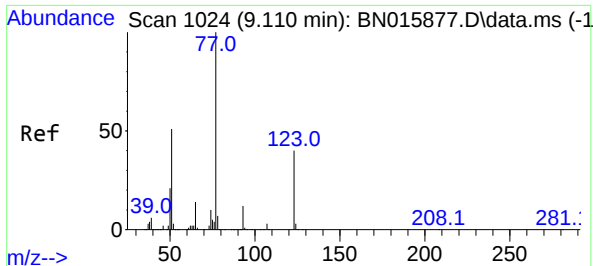


#19
Hexachloroethane
Concen: 4.529 ng/ul
RT: 8.987 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



Tgt Ion:117 Resp: 38355
Ion Ratio Lower Upper
117 100
201 101.3 74.0 111.0
199 60.3 45.0 67.4





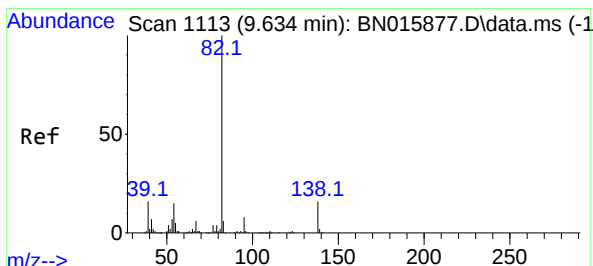
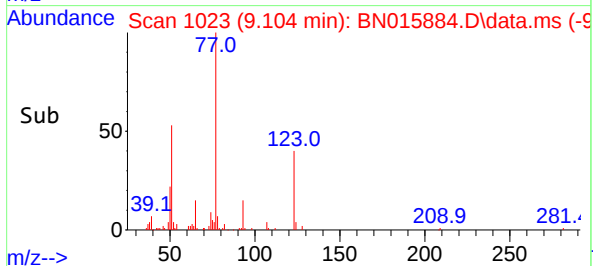
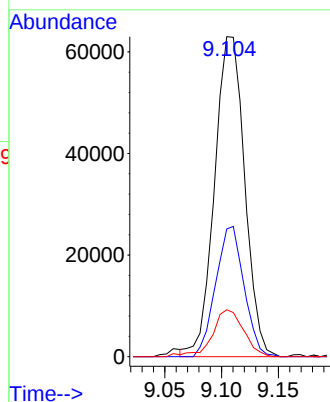
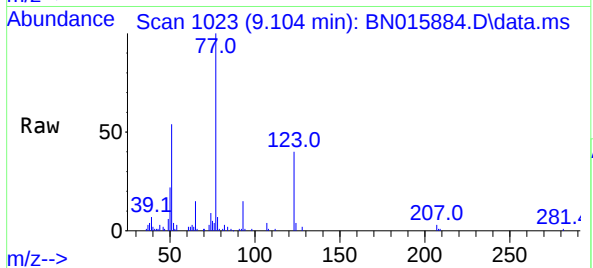
#22
Nitrobenzene
Concen: 4.767 ng/ul
RT: 9.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion: 77 Resp: 116353
Ion Ratio Lower Upper
77 100
123 39.9 32.2 48.4
65 14.6 10.9 16.3

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

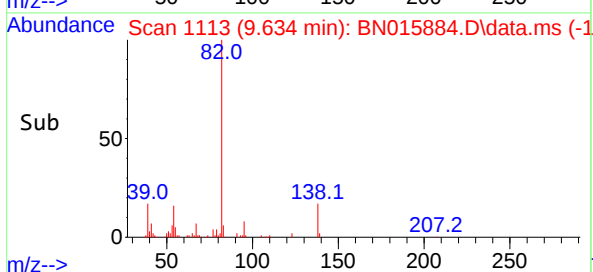
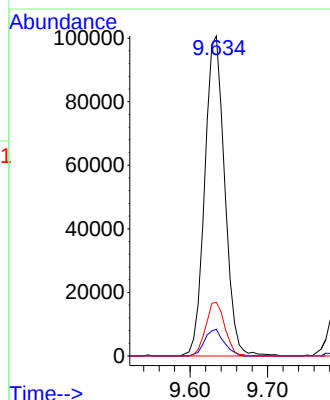
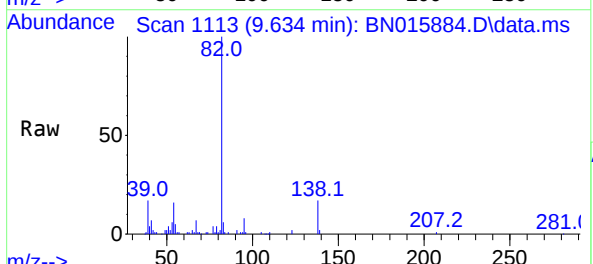
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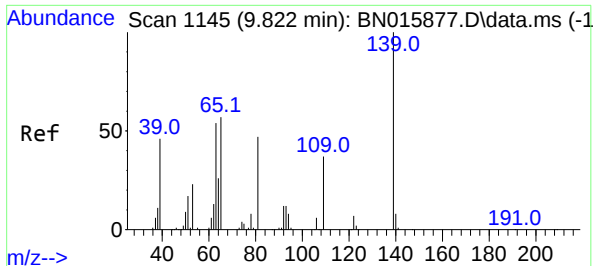
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#23
Isophorone
Concen: 4.234 ng/ul
RT: 9.634 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion: 82 Resp: 179783
Ion Ratio Lower Upper
82 100
95 8.4 6.1 9.1
138 16.7 13.0 19.4





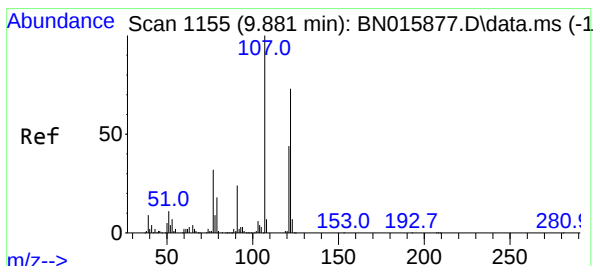
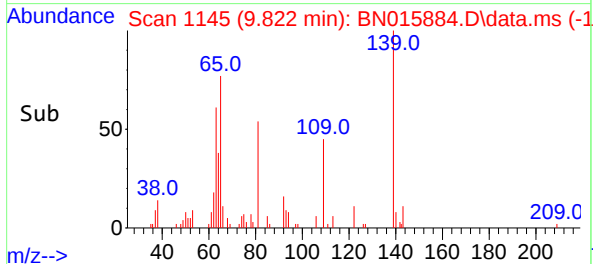
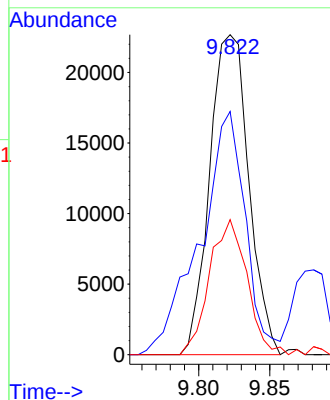
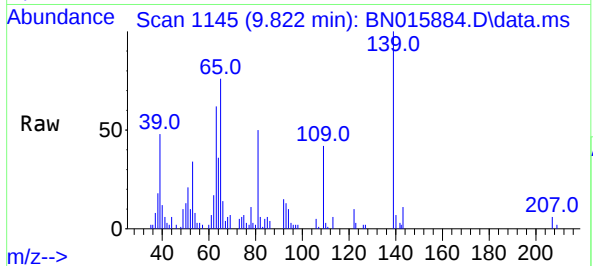
#25
2-Nitrophenol
Concen: 4.933 ng/ul
RT: 9.822 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:139 Resp: 43458
Ion Ratio Lower Upper
139 100
65 76.0 48.1 72.1#
109 42.2 29.7 44.5

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

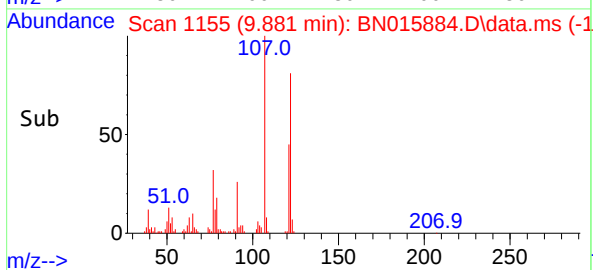
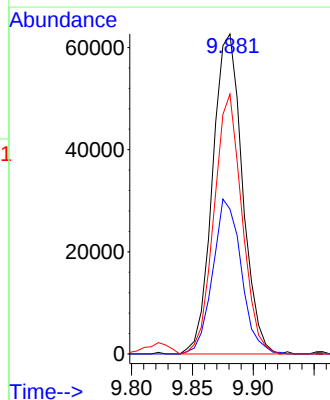
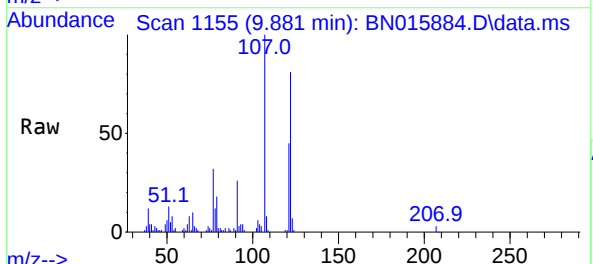
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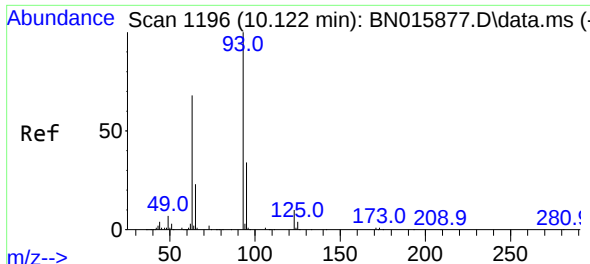
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#26
2,4-Dimethylphenol
Concen: 4.532 ng/ul
RT: 9.881 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

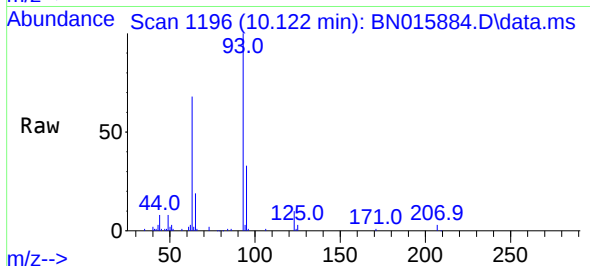
Tgt Ion:107 Resp: 106646
Ion Ratio Lower Upper
107 100
121 45.2 35.3 52.9
122 81.2 59.4 89.0





#27
Bis(2-Chloroethoxy)methane
Concen: 4.520 ng/ul
RT: 10.122 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

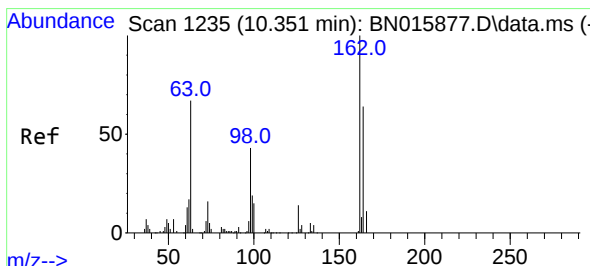
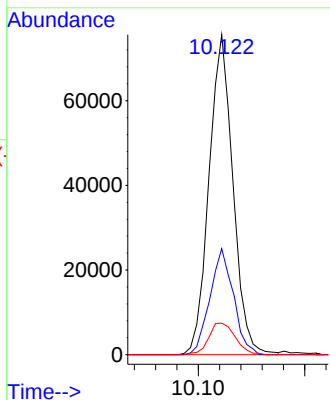
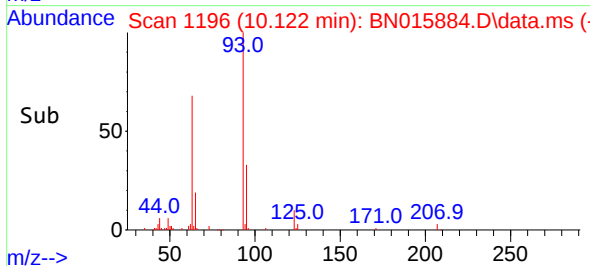
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05



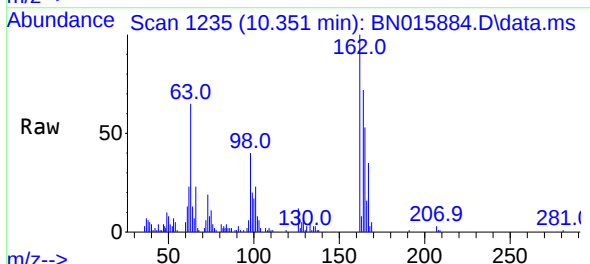
Tgt Ion: 93 Resp: 117899
Ion Ratio Lower Upper
93 100
95 33.1 26.9 40.3
123 9.9 8.3 12.5

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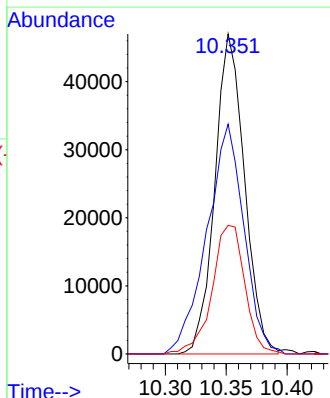
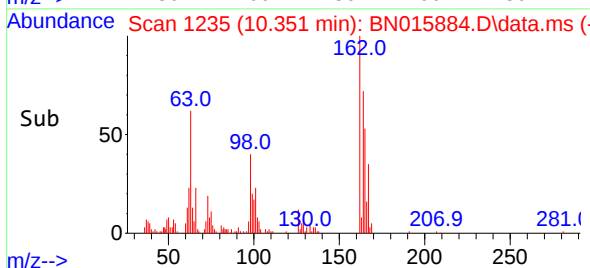
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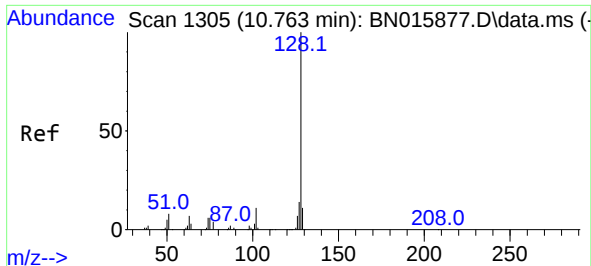


#29
2,4-Dichlorophenol
Concen: 4.627 ng/ul
RT: 10.351 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



Tgt Ion: 162 Resp: 79756
Ion Ratio Lower Upper
162 100
164 71.8 51.9 77.9
98 40.2 34.2 51.2





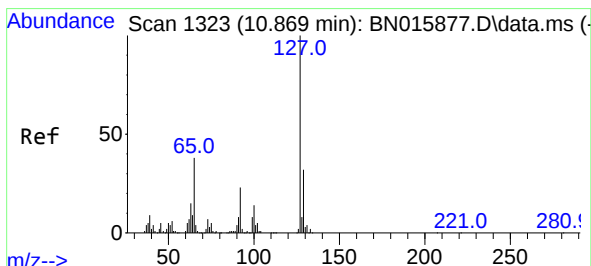
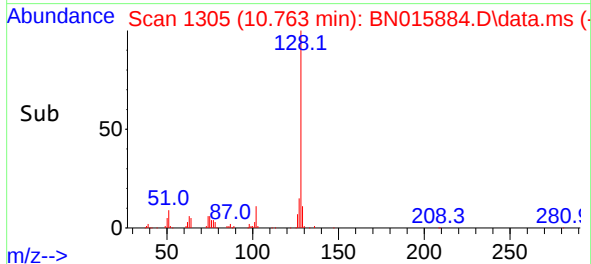
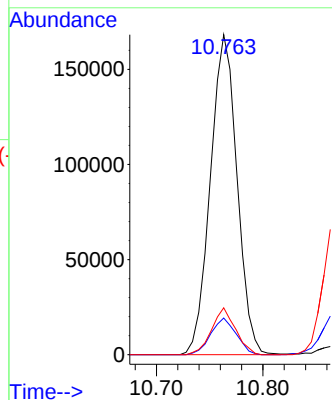
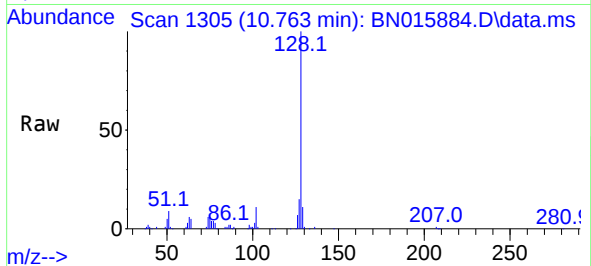
#30
Naphthalene
Concen: 4.665 ng/ul
RT: 10.763 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:128 Resp: 293024
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 14.6 11.1 16.7

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

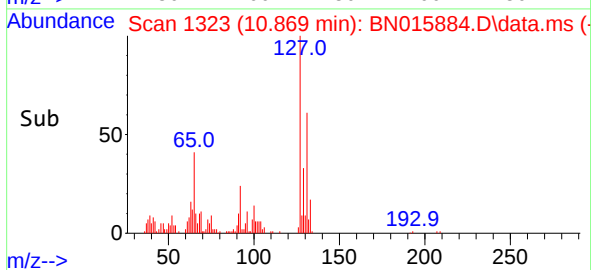
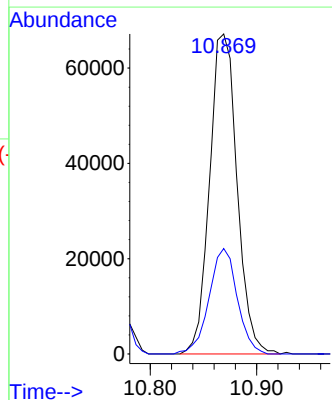
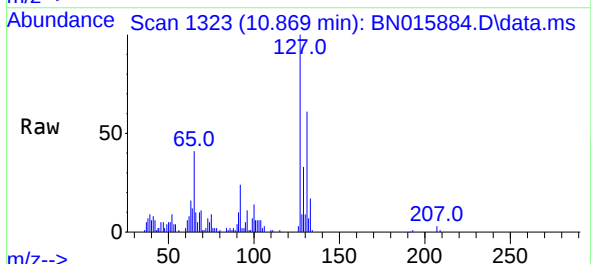
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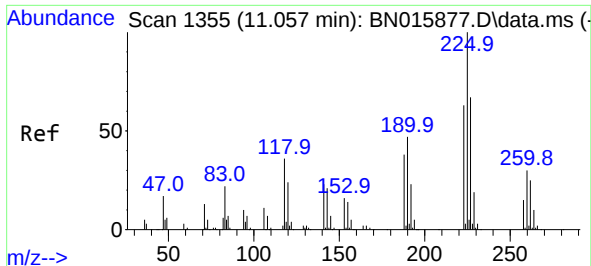
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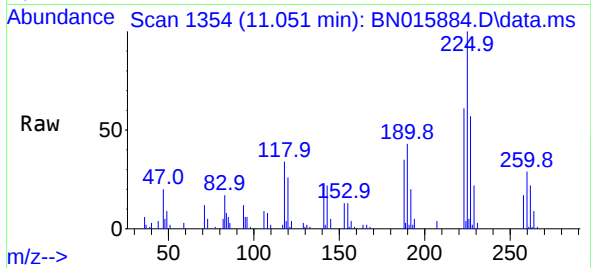
#32
4-Chloroaniline
Concen: 4.579 ng/ul
RT: 10.869 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:127 Resp: 120295
Ion Ratio Lower Upper
127 100
129 32.9 25.6 38.4

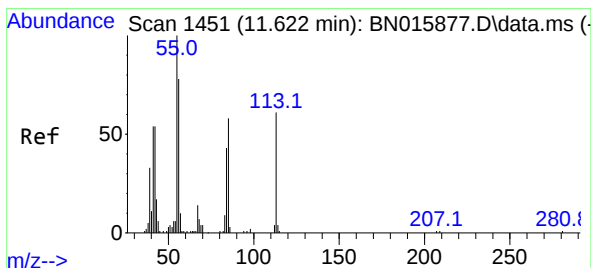
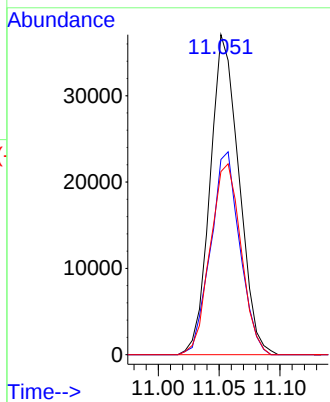
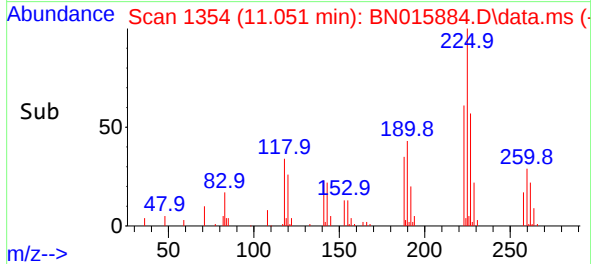




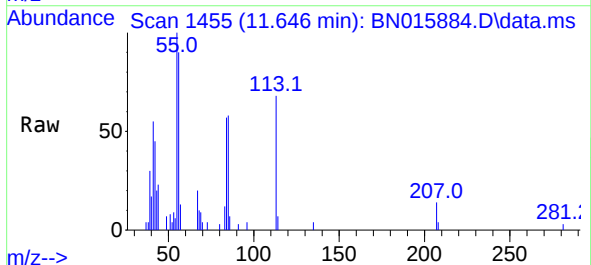
#33
Hexachlorobutadiene
Concen: 4.614 ng/ul
RT: 11.051 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



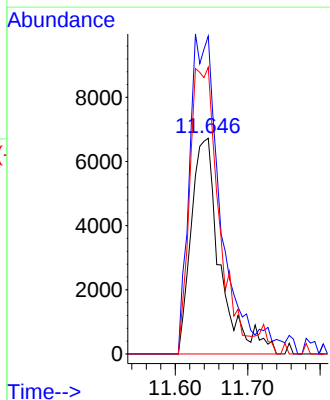
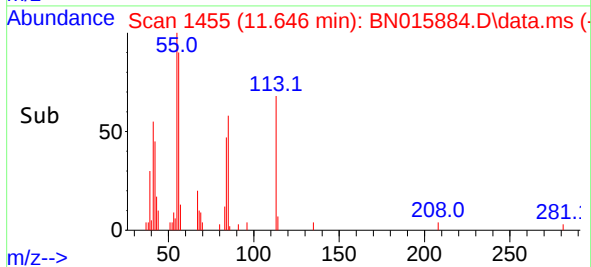
Tgt Ion:225 Resp: 61101
Ion Ratio Lower Upper
225 100
223 61.0 50.5 75.7
227 57.2 53.9 80.9



#34
Caprolactam
Concen: 3.443 ng/ul m
RT: 11.646 min Scan# 1455
Delta R.T. 0.023 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



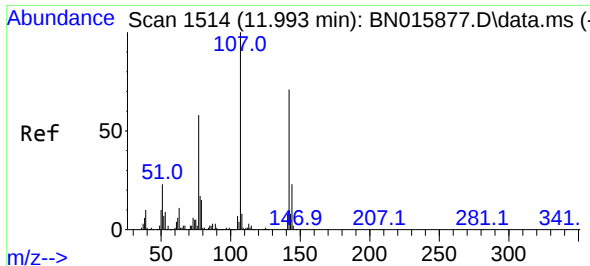
Tgt Ion:113 Resp: 18596
Ion Ratio Lower Upper
113 100
55 147.4 130.4 195.6
56 133.0 102.2 153.4



Instrument :
BNA_N
ClientSampleId :
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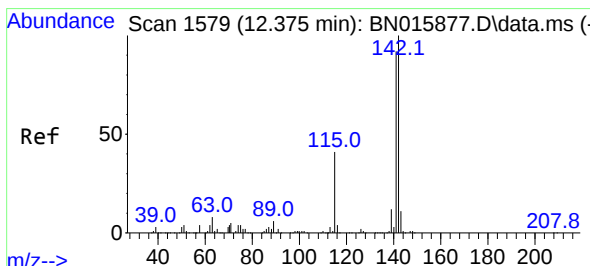
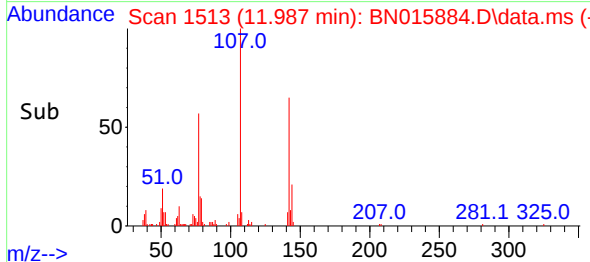
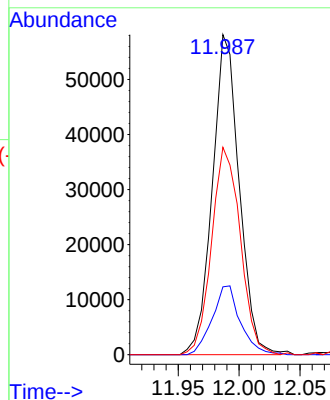
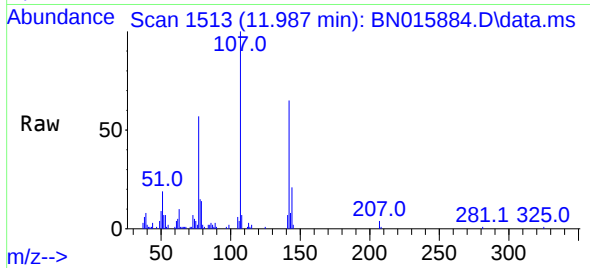
#35
4-Chloro-3-methylphenol
Concen: 4.375 ng/ul
RT: 11.987 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:107 Resp: 89327
Ion Ratio Lower Upper
107 100
144 21.2 18.2 27.4
142 64.8 57.1 85.7

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

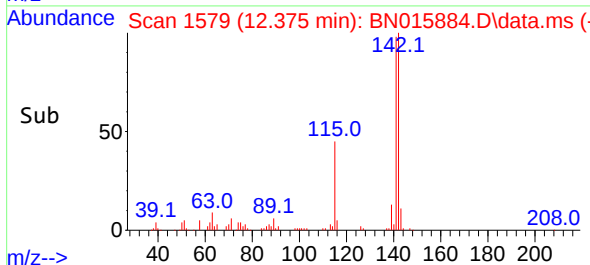
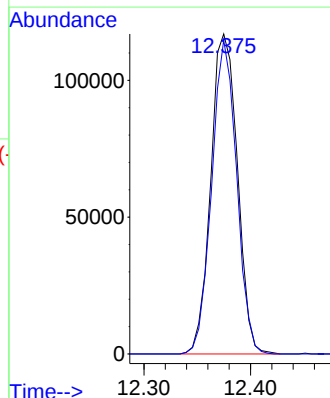
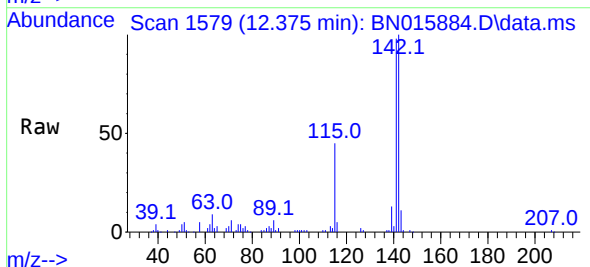
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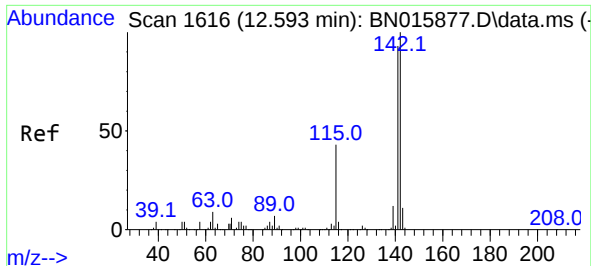
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#36
2-Methylnaphthalene
Concen: 4.648 ng/ul
RT: 12.375 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

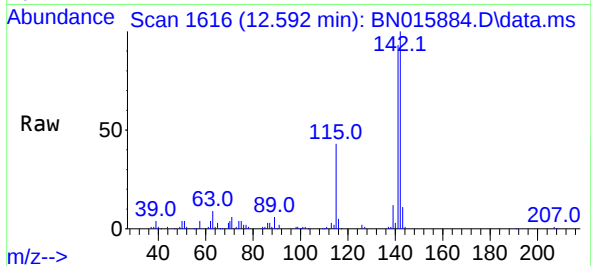
Tgt Ion:142 Resp: 203027
Ion Ratio Lower Upper
142 100
141 98.1 73.4 110.0





#37
1-Methylnaphthalene
Concen: 4.653 ng/ul
RT: 12.592 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

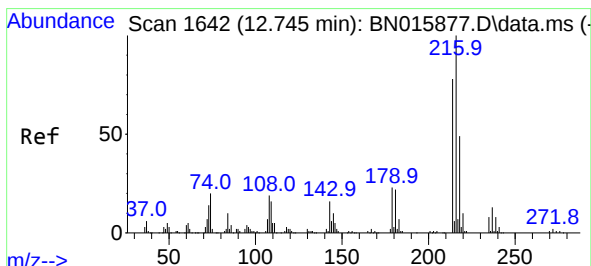
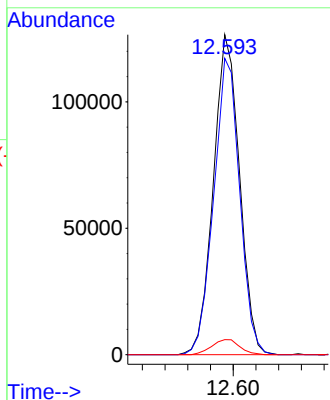
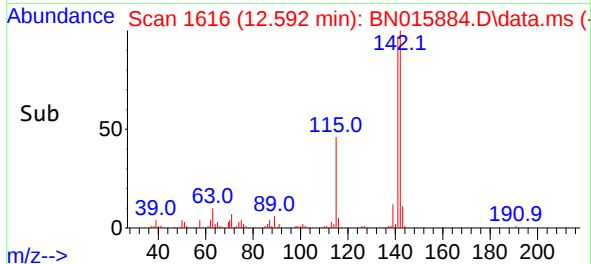
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05



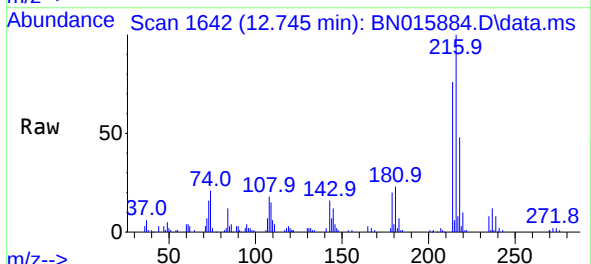
Tgt Ion:142 Resp: 202303
Ion Ratio Lower Upper
142 100
141 92.6 74.2 111.4
116 4.7 3.4 5.0

Manual Integrations
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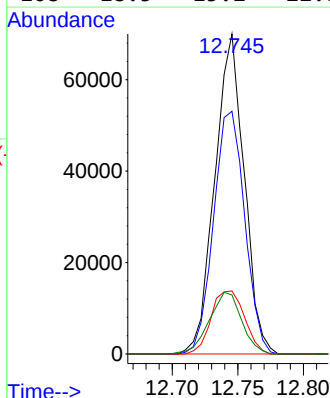
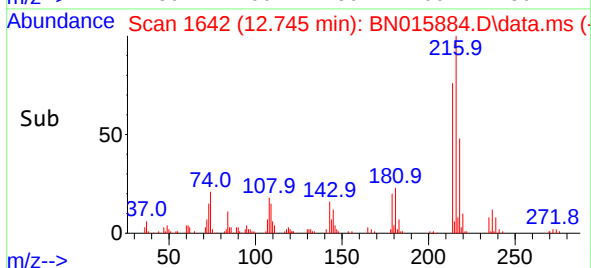
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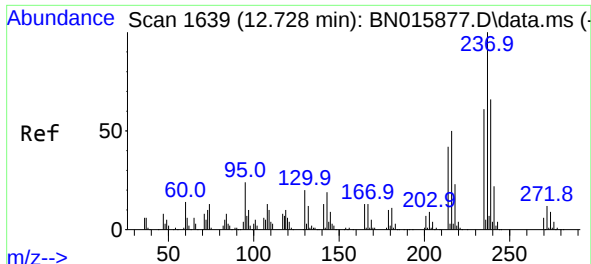


#39
1,2,4,5-Tetrachlorobenzene
Concen: 4.462 ng/ul
RT: 12.745 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

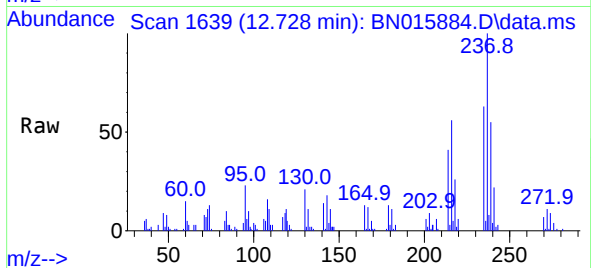


Tgt Ion:216 Resp: 109070
Ion Ratio Lower Upper
216 100
214 75.9 62.7 94.1
179 19.7 18.6 27.8
108 18.5 15.2 22.8

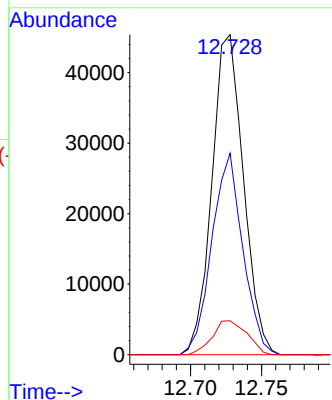
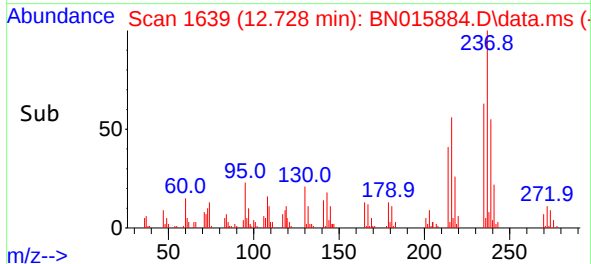




#40
Hexachlorocyclopentadiene
Concen: 4.426 ng/ul
RT: 12.728 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



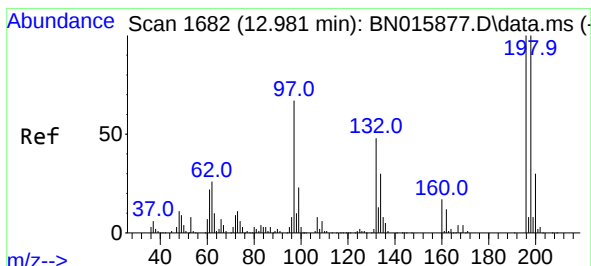
Tgt Ion:237 Resp: 70129
Ion Ratio Lower Upper
237 100
235 62.9 49.0 73.4
272 10.6 9.8 14.8



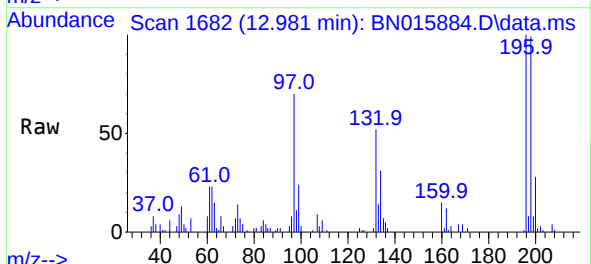
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

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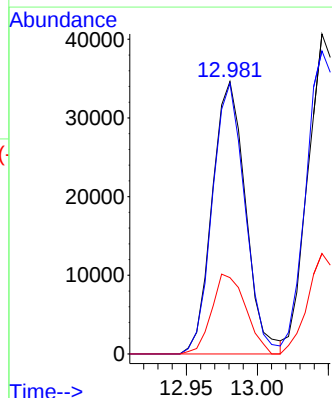
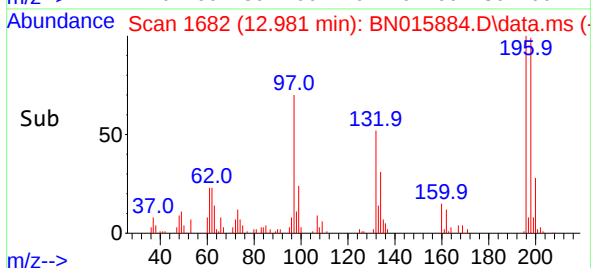
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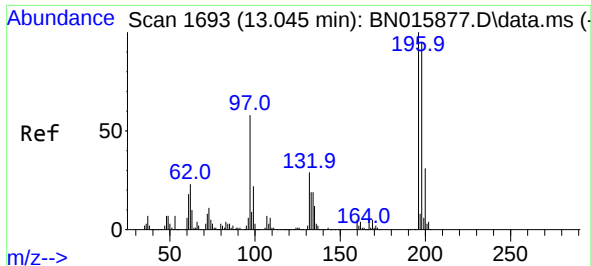


#41
2,4,6-Trichlorophenol
Concen: 4.246 ng/ul
RT: 12.981 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



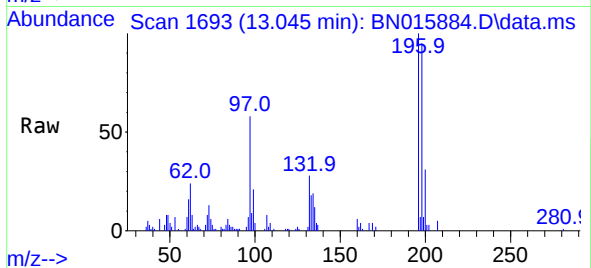
Tgt Ion:196 Resp: 56751
Ion Ratio Lower Upper
196 100
198 99.3 79.9 119.9
200 28.0 23.6 35.4





#42
2,4,5-Trichlorophenol
Concen: 4.255 ng/ul
RT: 13.045 min Scan# 1693
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

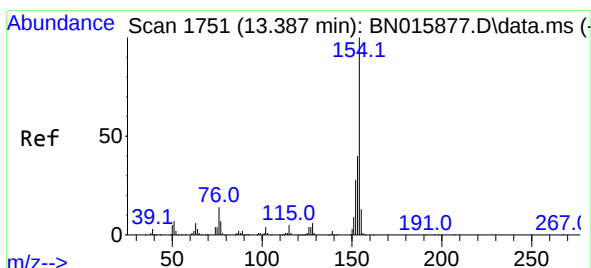
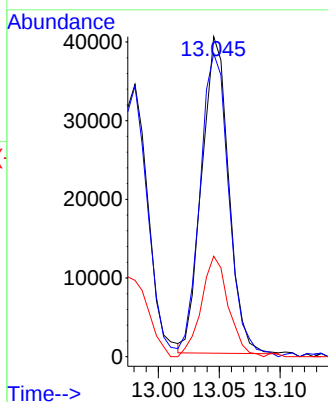
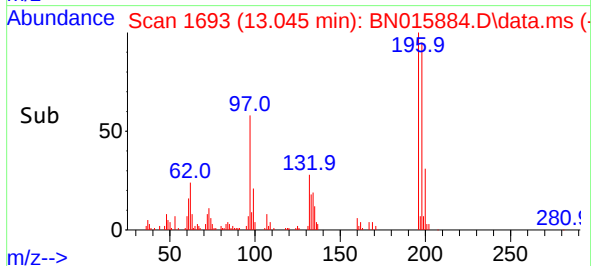
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05



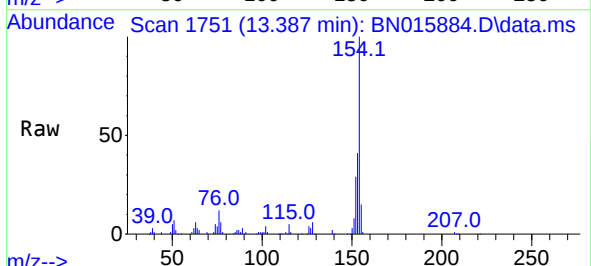
Tgt Ion:196 Resp: 62082
Ion Ratio Lower Upper
196 100
198 94.7 76.5 114.7
200 31.4 24.6 37.0

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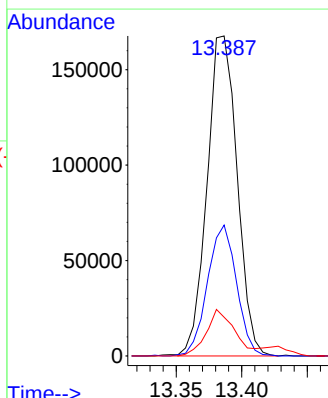
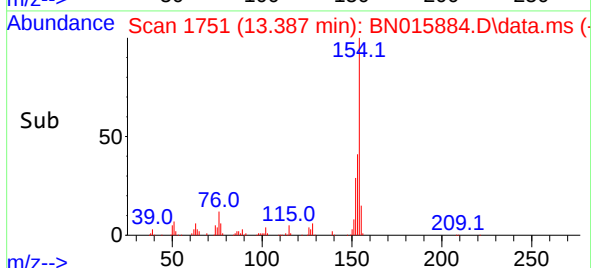
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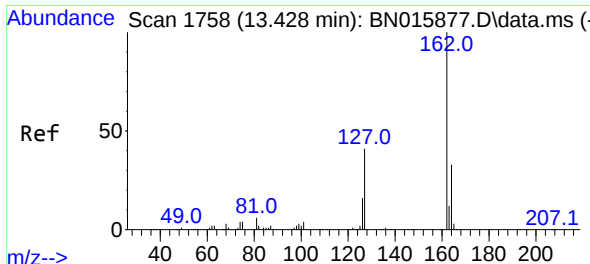


#43
1,1'-Biphenyl
Concen: 4.583 ng/ul
RT: 13.387 min Scan# 1751
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



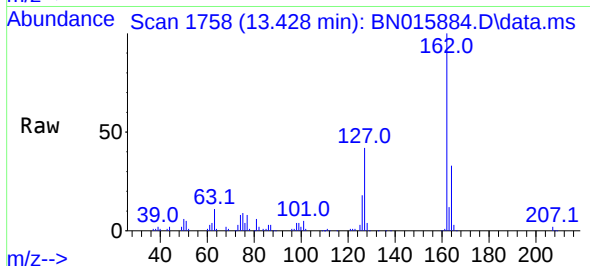
Tgt Ion:154 Resp: 267752
Ion Ratio Lower Upper
154 100
153 40.9 32.1 48.1
76 12.1 11.0 16.6





#44
2-Chloronaphthalene
Concen: 4.560 ng/ul
RT: 13.428 min Scan# 1758
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

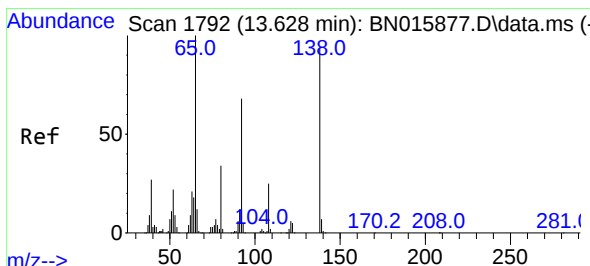
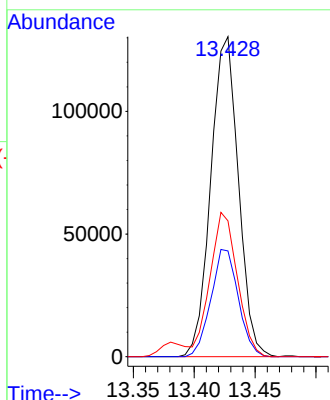
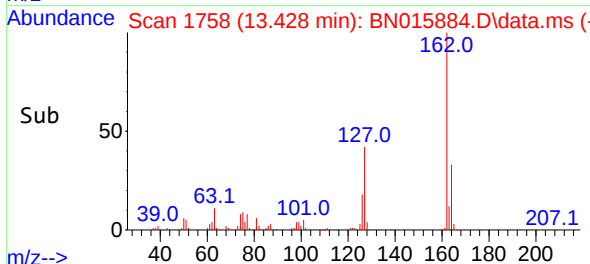
Instrument :
BNA_N
ClientSampleId :
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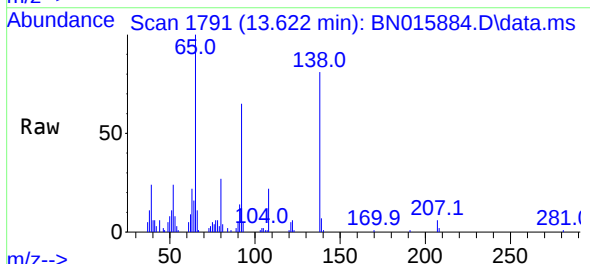
Tgt Ion:162 Resp: 205729
Ion Ratio Lower Upper
162 100
164 33.1 26.6 40.0
127 42.4 36.3 54.5

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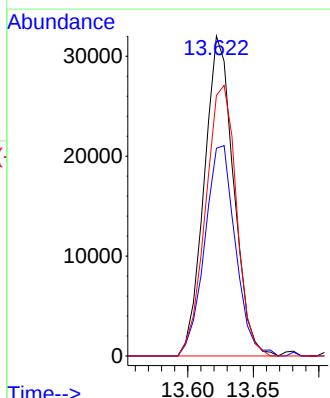
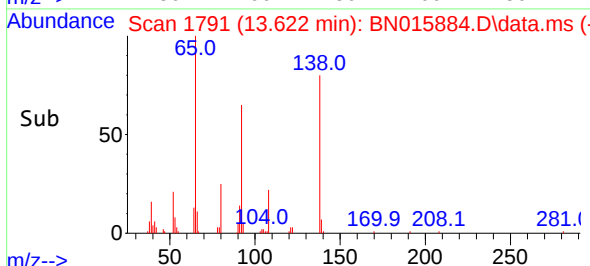
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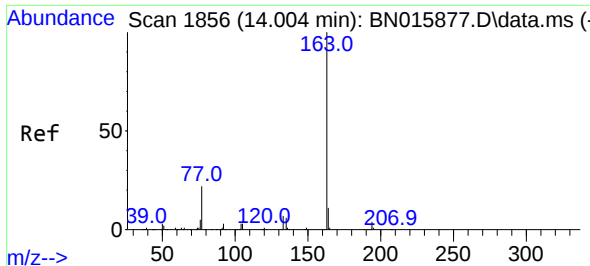


#45
2-Nitroaniline
Concen: 3.902 ng/ul
RT: 13.622 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

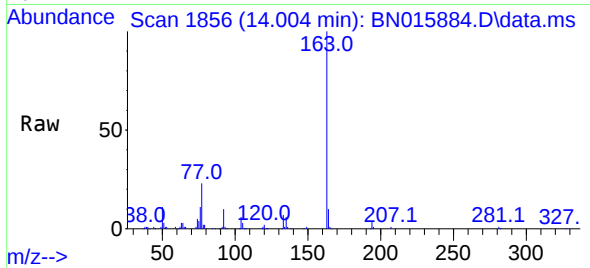


Tgt Ion: 65 Resp: 49873
Ion Ratio Lower Upper
65 100
92 64.9 54.5 81.7
138 81.4 75.4 113.0

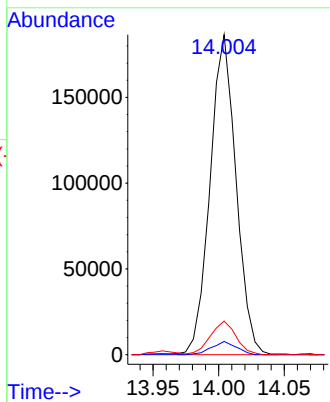
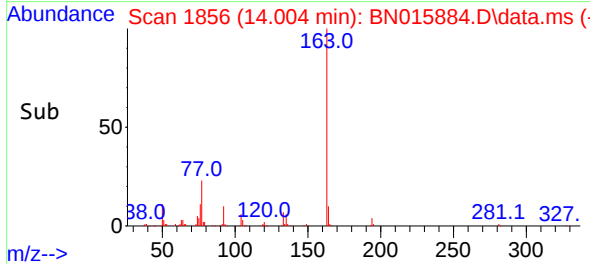




#47
Dimethylphthalate
Concen: 4.682 ng/ul
RT: 14.004 min Scan# 1856
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



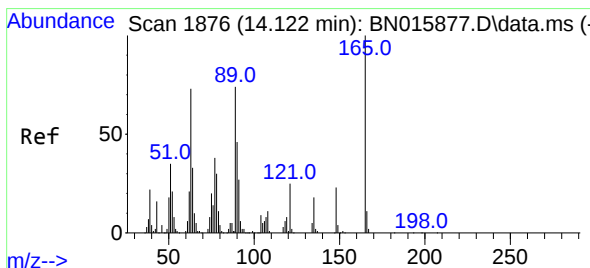
Tgt Ion:163 Resp: 257006
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.5 8.6 12.8



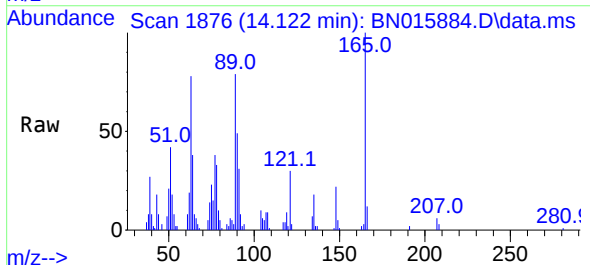
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

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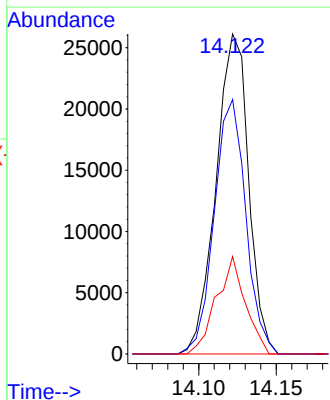
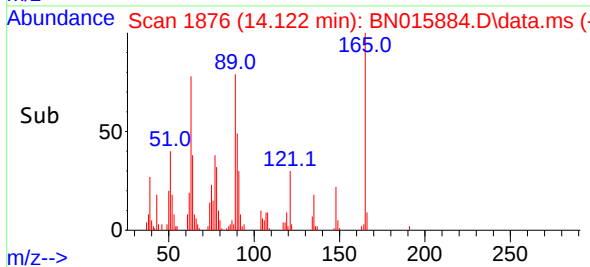
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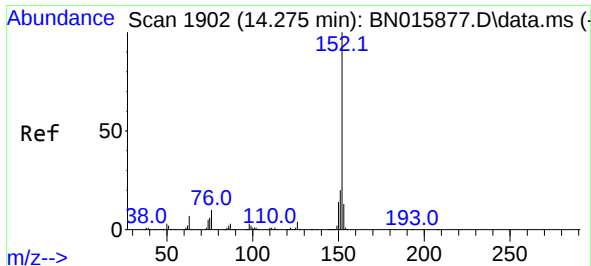


#48
2,6-Dinitrotoluene
Concen: 3.842 ng/ul
RT: 14.122 min Scan# 1876
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

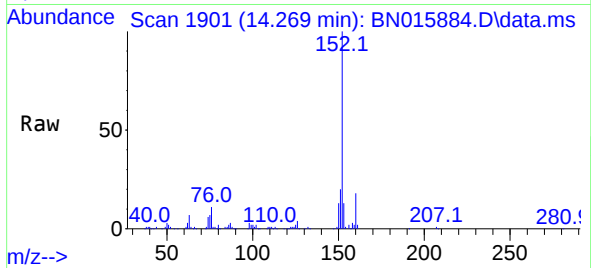


Tgt Ion:165 Resp: 38188
Ion Ratio Lower Upper
165 100
89 79.5 59.5 89.3
121 30.5 20.0 30.0#

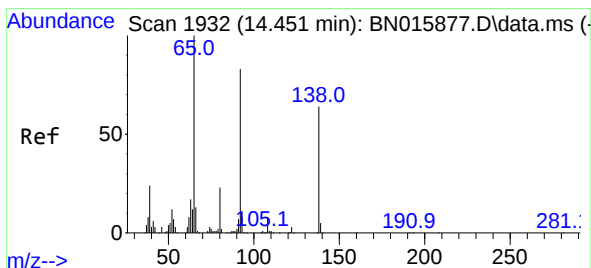
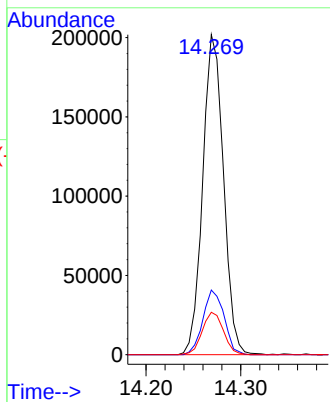
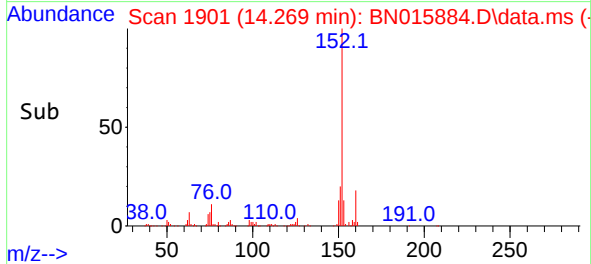




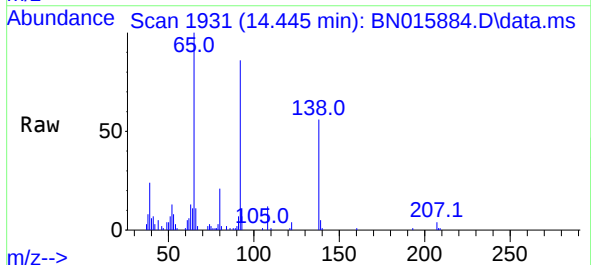
#50
Acenaphthylene
Concen: 4.663 ng/ul
RT: 14.269 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



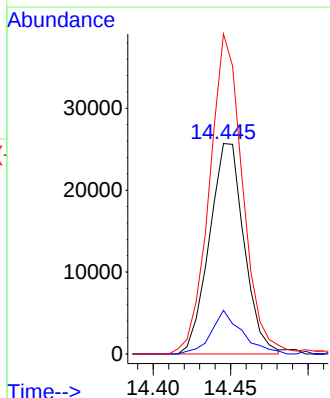
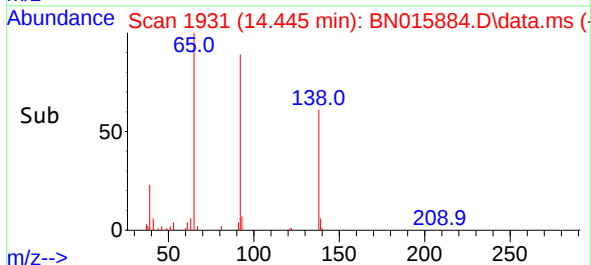
Tgt Ion:152 Resp: 307362
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.2 10.3 15.5



#51
3-Nitroaniline
Concen: 3.746 ng/ul
RT: 14.445 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



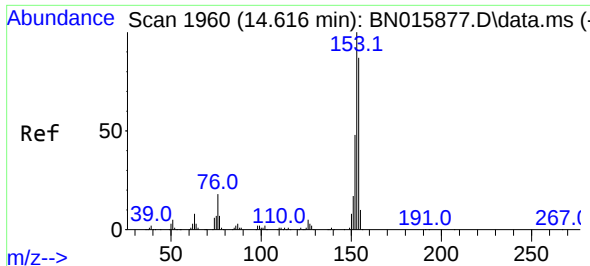
Tgt Ion:138 Resp: 40041
Ion Ratio Lower Upper
138 100
108 20.8 10.3 15.5#
92 152.1 103.9 155.9



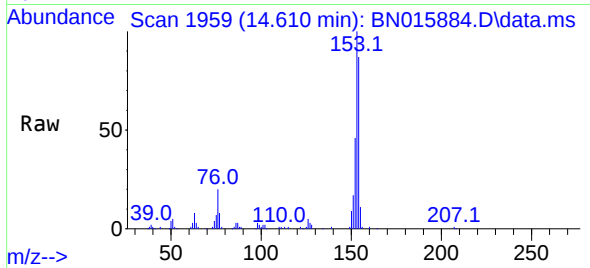
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

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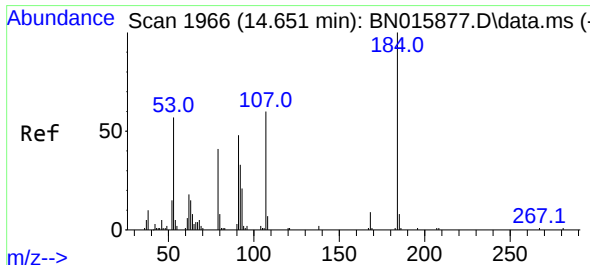
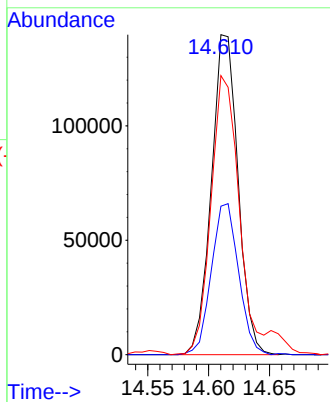
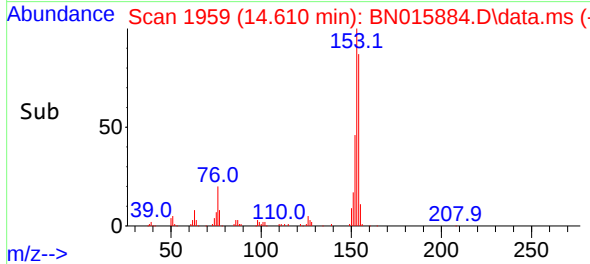
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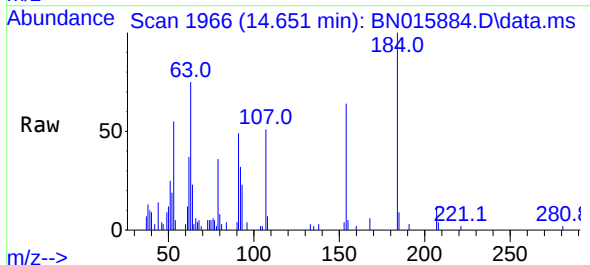
#52
Acenaphthene
Concen: 4.475 ng/ul
RT: 14.610 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



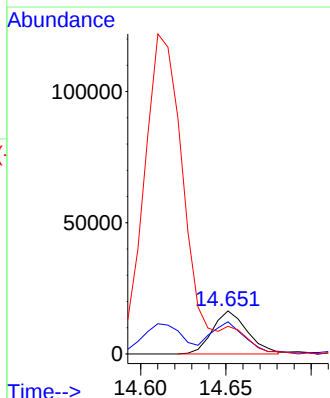
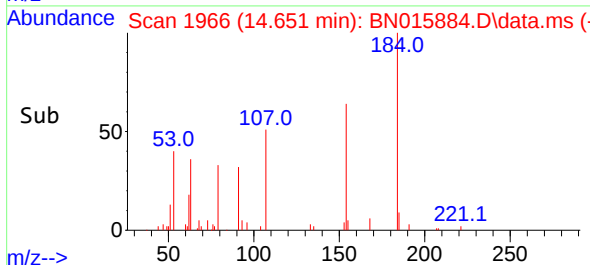
Tgt Ion:153 Resp: 213381
Ion Ratio Lower Upper
153 100
152 46.4 38.6 57.8
154 87.2 69.3 103.9



#53
2,4-Dinitrophenol
Concen: 4.217 ng/ul
RT: 14.651 min Scan# 1966
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



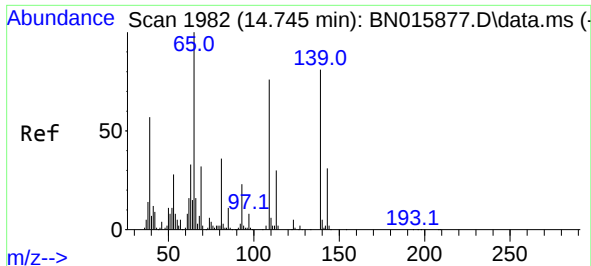
Tgt Ion:184 Resp: 23290
Ion Ratio Lower Upper
184 100
63 74.6 64.8 97.2
154 64.4 59.7 89.5



Instrument :
BNA_N
ClientSampleId :
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#55
4-Nitrophenol
Concen: 4.224 ng/ul
RT: 14.745 min Scan# 1982
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

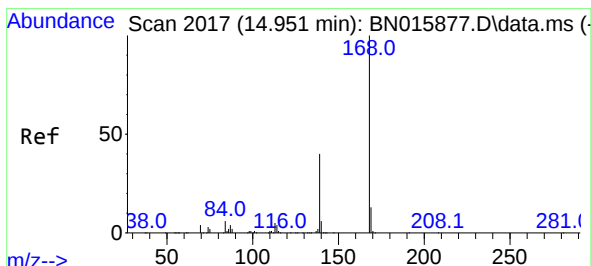
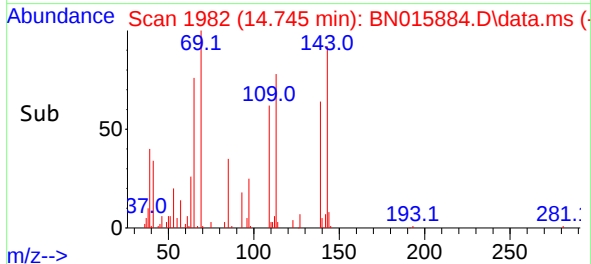
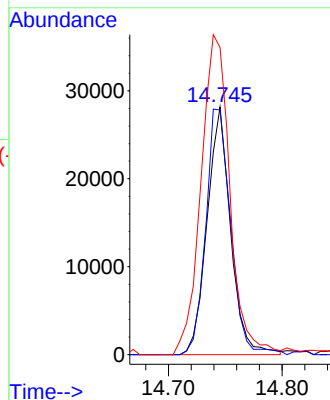
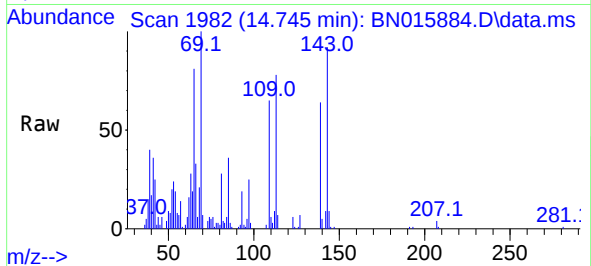
Tgt Ion:109 Resp: 40473

Ion	Ratio	Lower	Upper
109	100		
139	98.8	84.7	127.1
65	124.0	105.0	157.6

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

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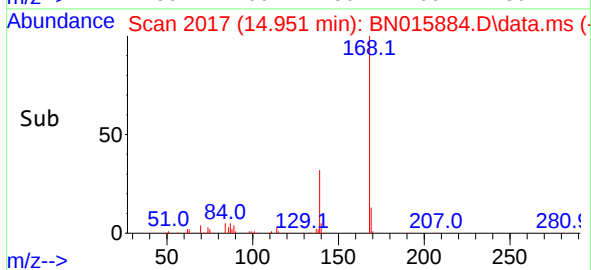
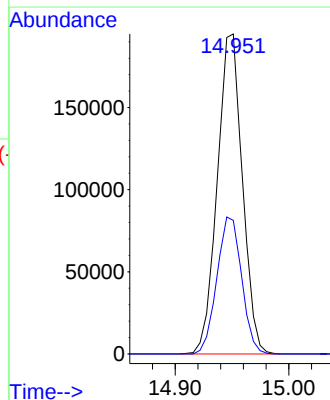
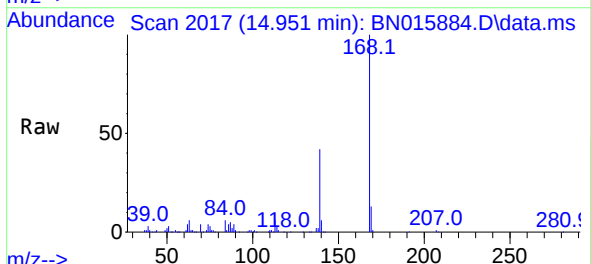
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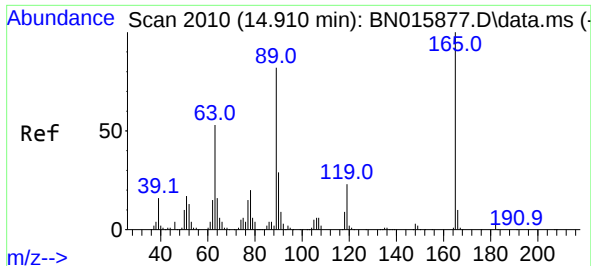


#56
Dibenzofuran
Concen: 4.534 ng/ul
RT: 14.951 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:168 Resp: 298889

Ion	Ratio	Lower	Upper
168	100		
139	41.7	31.8	47.6





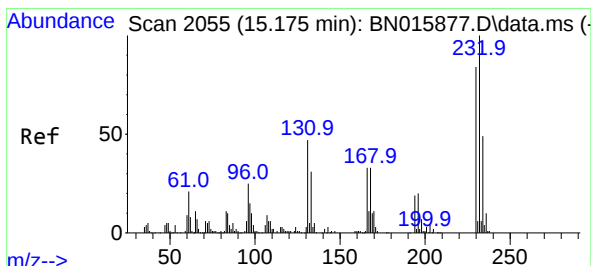
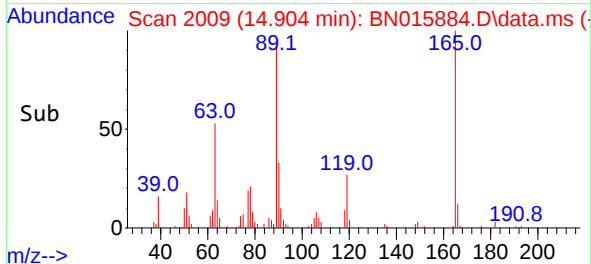
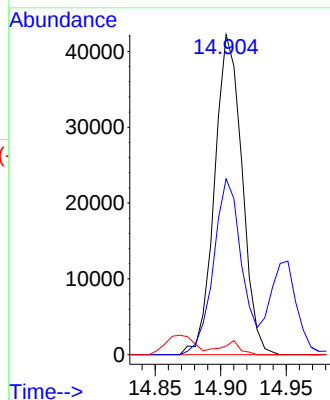
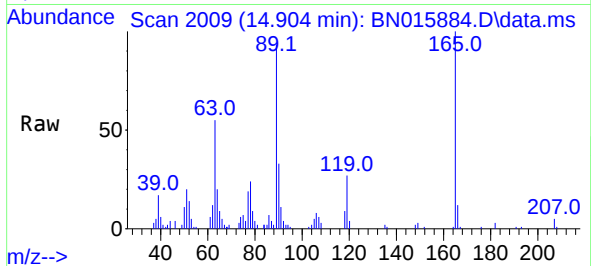
#57
2,4-Dinitrotoluene
Concen: 4.289 ng/ul
RT: 14.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	54.9	42.8	64.2
182	2.7	2.2	3.4

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

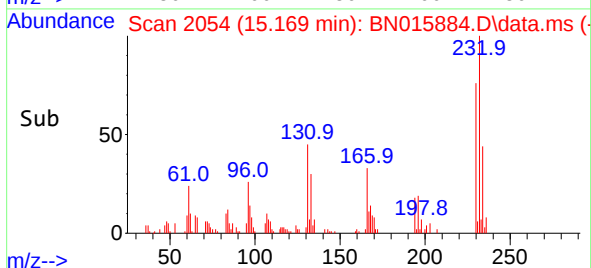
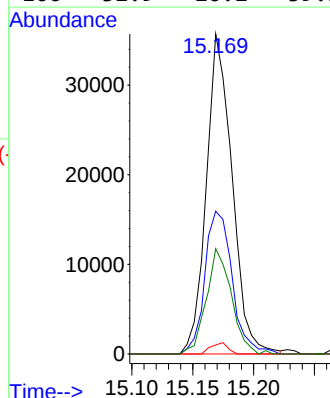
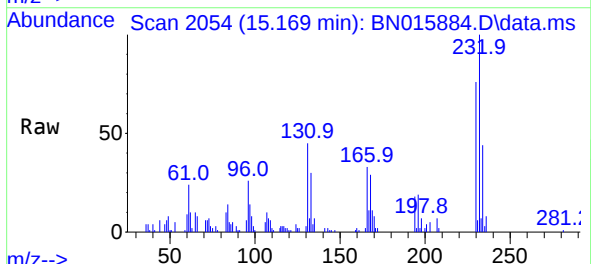
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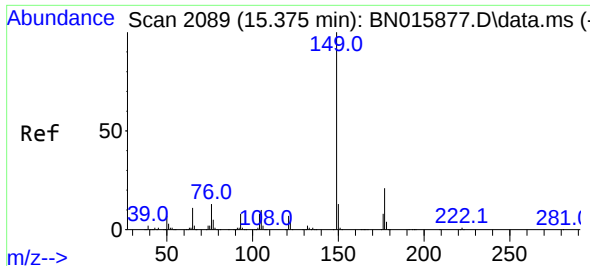
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#58
2,3,4,6-Tetrachlorophenol
Concen: 4.372 ng/ul
RT: 15.169 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion	Ratio	Lower	Upper
232	100		
131	44.6	37.5	56.3
130	2.8	2.2	3.4
166	32.9	26.2	39.2





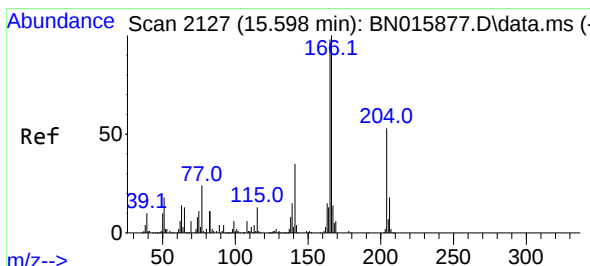
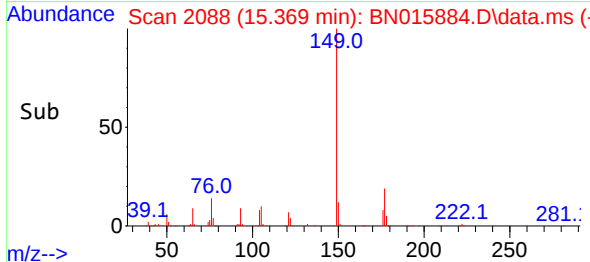
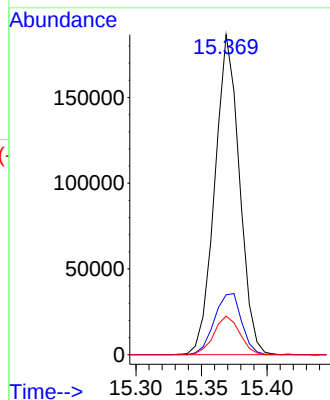
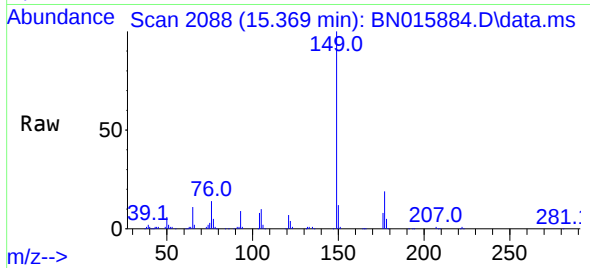
#59
Diethylphthalate
Concen: 4.439 ng/ul
RT: 15.369 min Scan# 2088
Delta R.T. -0.006 min
Lab File: BN015884.D
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Tgt Ion:149 Resp: 243620
Ion Ratio Lower Upper
149 100
177 18.7 17.2 25.8
150 12.1 10.2 15.2

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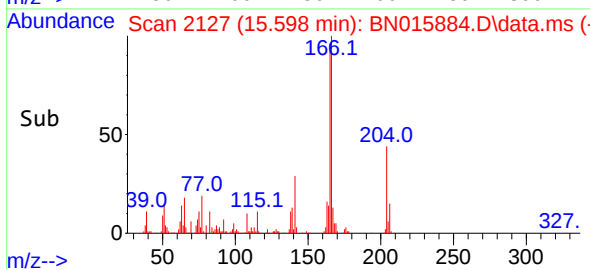
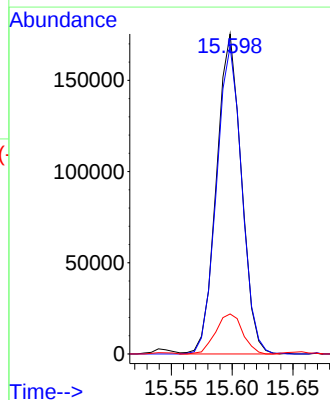
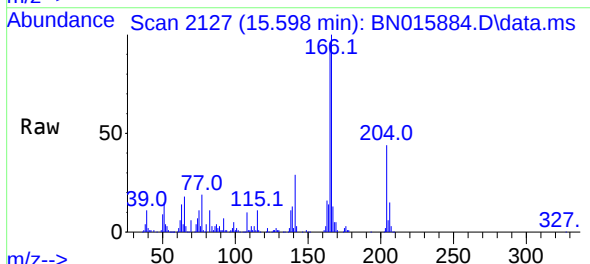
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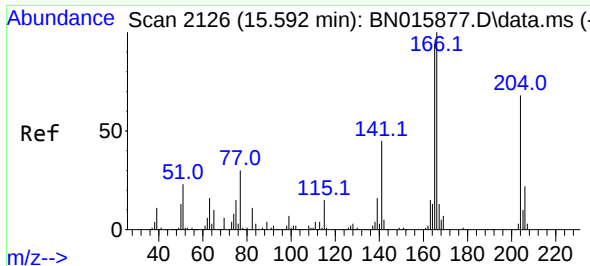
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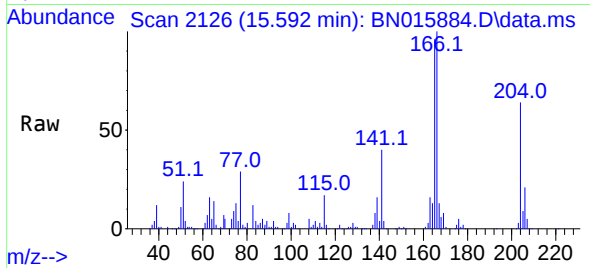
#61
Fluorene
Concen: 4.638 ng/ul
RT: 15.598 min Scan# 2127
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:166 Resp: 249464
Ion Ratio Lower Upper
166 100
165 96.2 78.4 117.6
167 12.5 10.8 16.2

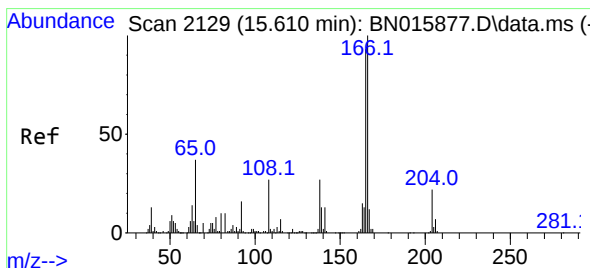
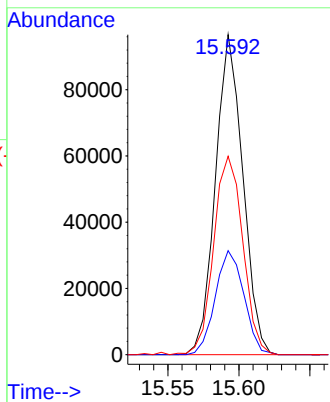
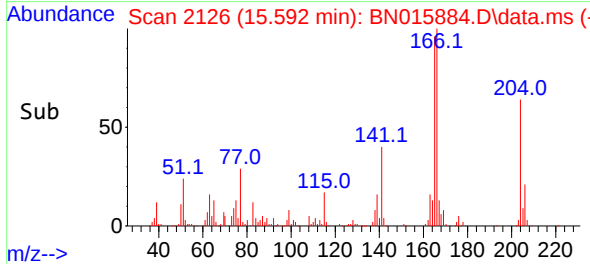




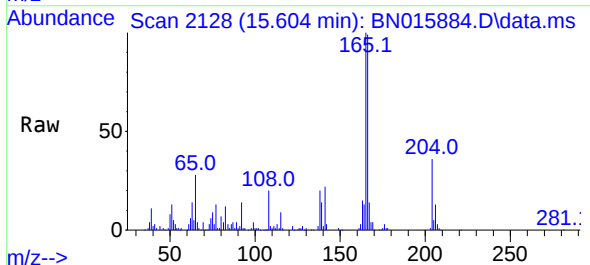
#62
4-Chlorophenyl-phenylether
Concen: 4.621 ng/ul
RT: 15.592 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



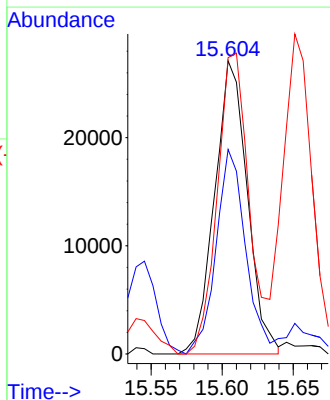
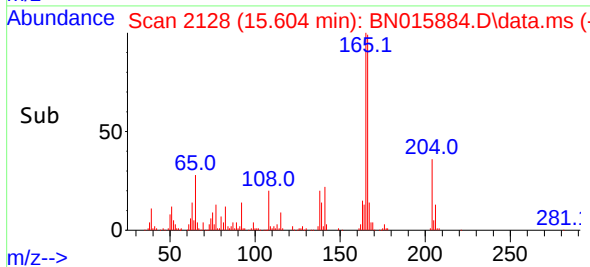
Tgt Ion:204 Resp: 129607
Ion Ratio Lower Upper
204 100
206 32.5 26.1 39.1
141 62.0 53.4 80.0



#63
4-Nitroaniline
Concen: 4.238 ng/ul
RT: 15.604 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



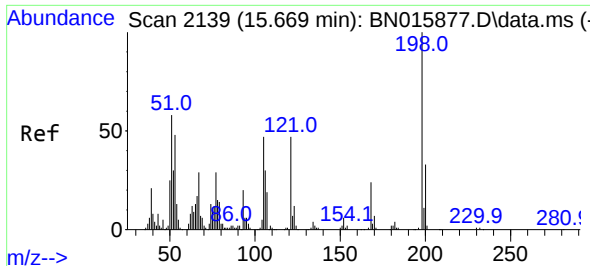
Tgt Ion:138 Resp: 43396
Ion Ratio Lower Upper
138 100
92 69.7 48.6 72.8
108 101.1 80.7 121.1



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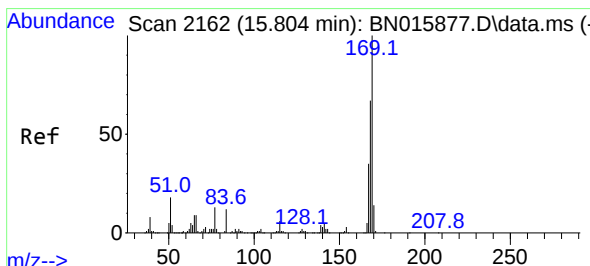
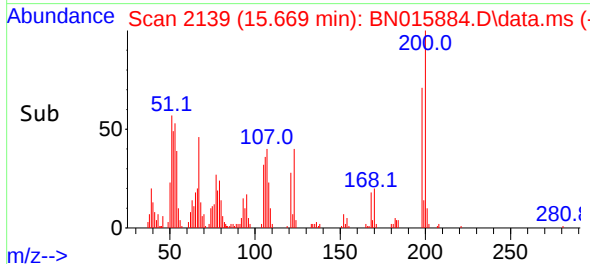
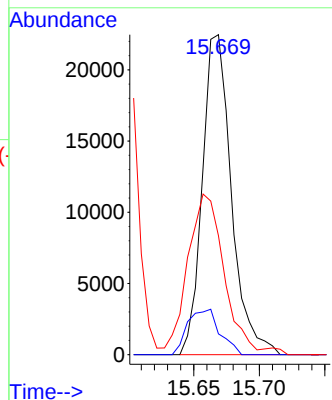
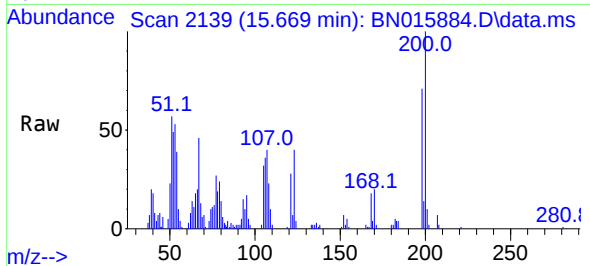
#66
4,6-Dinitro-2-methylphenol
Concen: 4.213 ng/ul
RT: 15.669 min Scan# 2139
Delta R.T. -0.000 min
Lab File: BN015884.D
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ClientSampleId :
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Tgt Ion:198 Resp: 34728
Ion Ratio Lower Upper
198 100
182 6.5 3.0 4.4#
77 37.2 23.4 35.0#

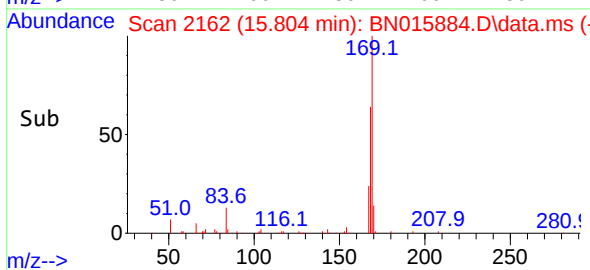
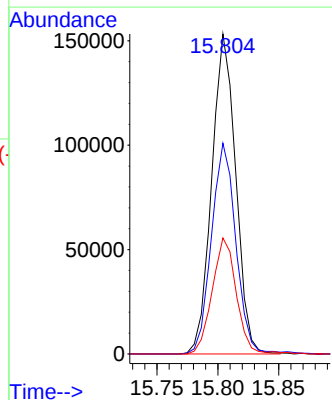
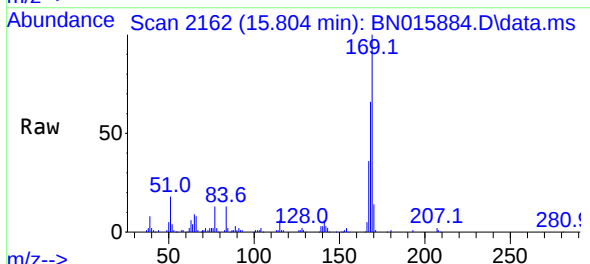
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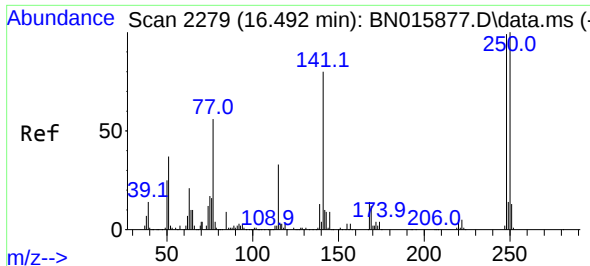
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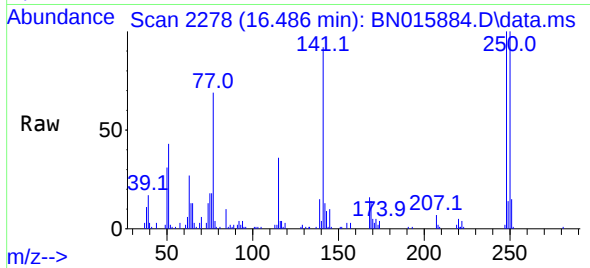
#67
N-Nitrosodiphenylamine
Concen: 4.634 ng/ul
RT: 15.804 min Scan# 2162
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:169 Resp: 209901
Ion Ratio Lower Upper
169 100
168 65.8 53.5 80.3
167 36.3 27.9 41.9

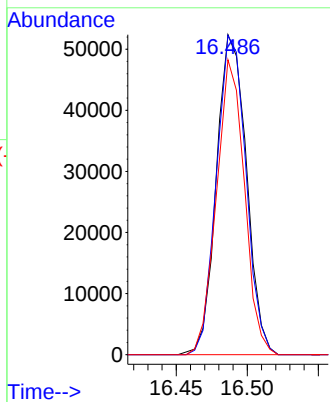
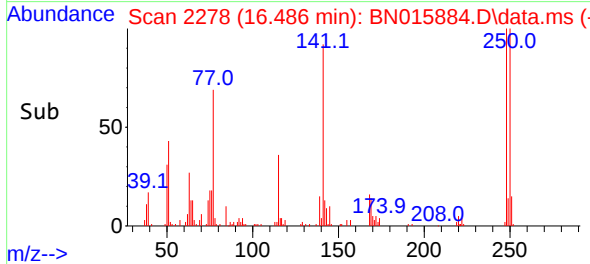




#68
4-Bromophenyl-phenylether
Concen: 4.610 ng/ul
RT: 16.486 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



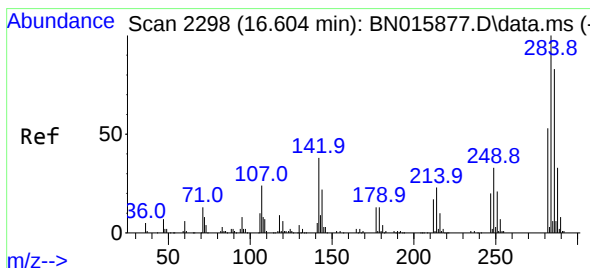
Tgt Ion:248 Resp: 76766
Ion Ratio Lower Upper
248 100
250 99.8 81.1 121.7
141 92.2 64.7 97.1



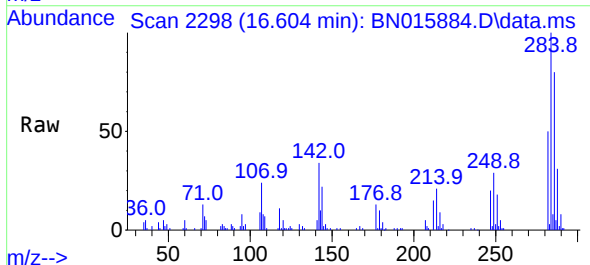
Instrument :
BNA_N
ClientSampleId :
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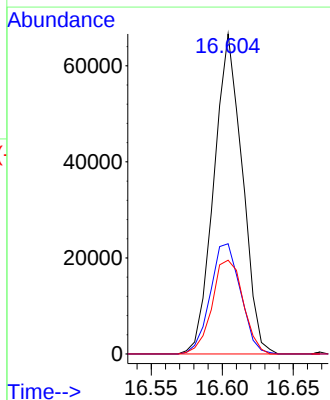
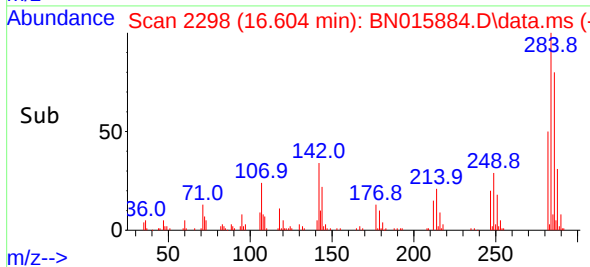
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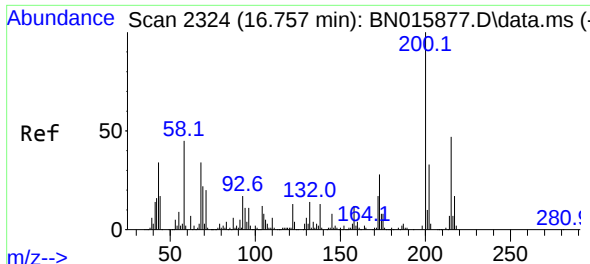


#69
Hexachlorobenzene
Concen: 4.760 ng/ul
RT: 16.604 min Scan# 2298
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

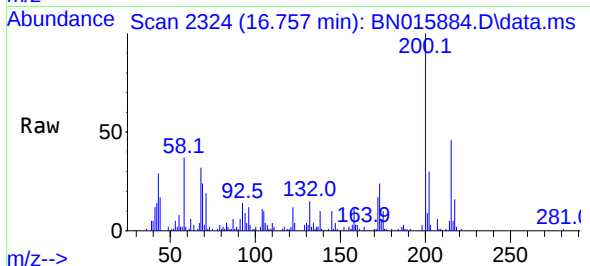


Tgt Ion:284 Resp: 92636
Ion Ratio Lower Upper
284 100
142 34.4 30.3 45.5
249 29.3 26.3 39.5

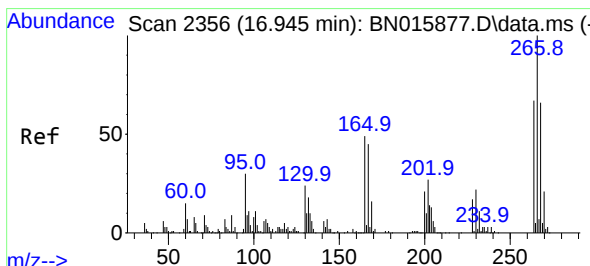
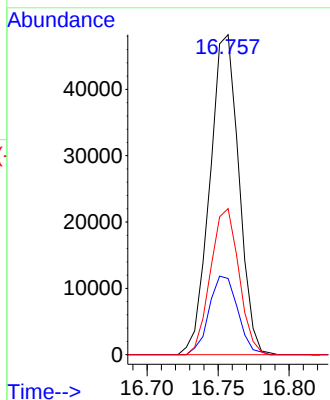
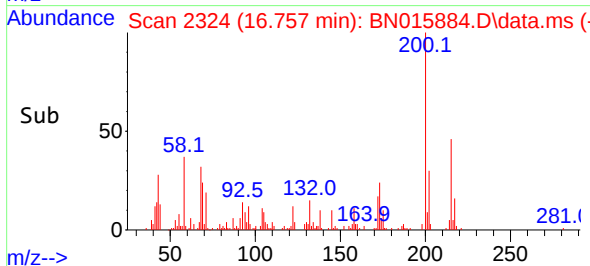




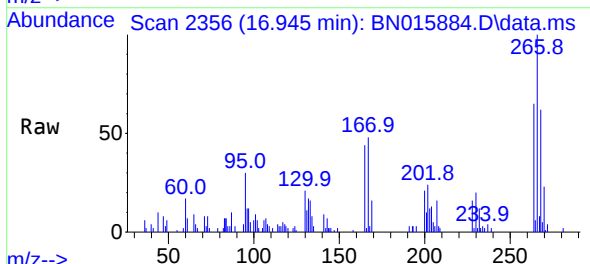
#70
Atrazine
Concen: 4.178 ng/ul
RT: 16.757 min Scan# 2324
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



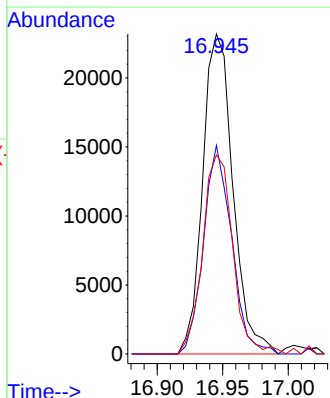
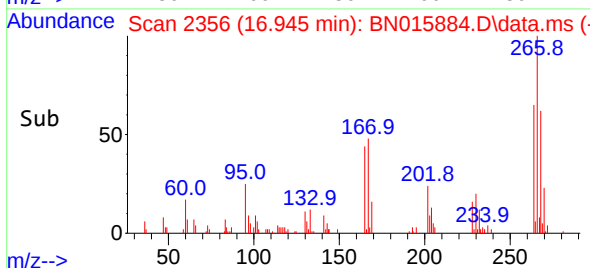
Tgt Ion:200 Resp: 68641
Ion Ratio Lower Upper
200 100
173 23.8 22.2 33.2
215 45.6 37.6 56.4



#71
Pentachlorophenol
Concen: 3.415 ng/ul
RT: 16.945 min Scan# 2356
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



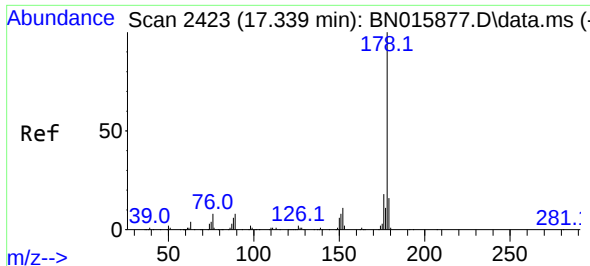
Tgt Ion:266 Resp: 37283
Ion Ratio Lower Upper
266 100
264 70.8 53.8 80.6
268 62.2 52.7 79.1



Instrument :
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ClientSampleId :
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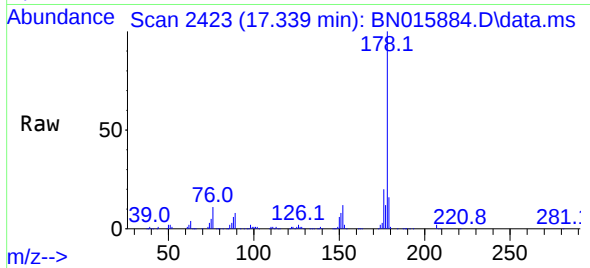
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#72
Phenanthrene
Concen: 4.616 ng/u1
RT: 17.339 min Scan# 2423
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

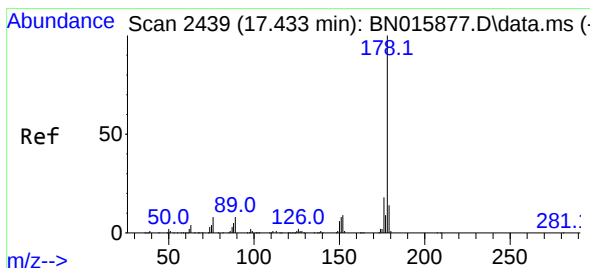
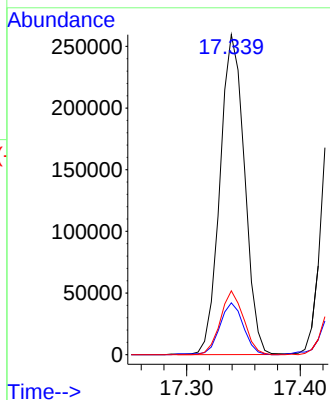
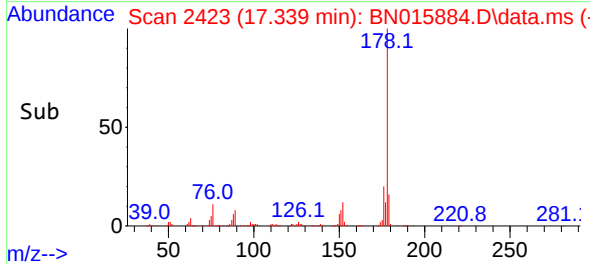
Instrument :
BNA_N
ClientSampleId :
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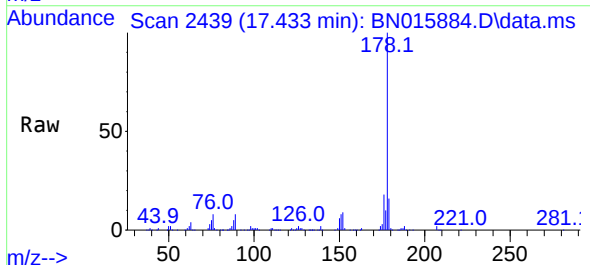
Tgt Ion:178 Resp: 389452
Ion Ratio Lower Upper
178 100
179 16.2 12.5 18.7
176 19.9 14.6 21.8

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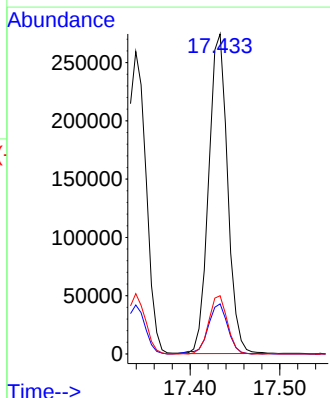
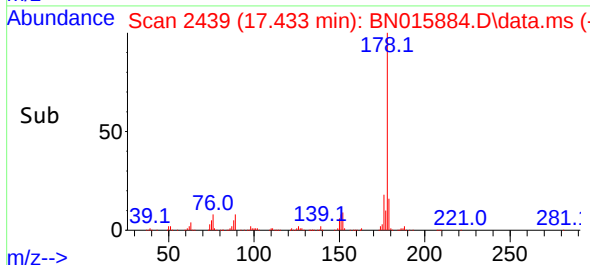
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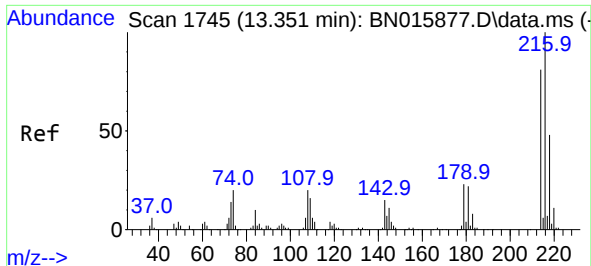


#74
Anthracene
Concen: 4.662 ng/u1
RT: 17.433 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



Tgt Ion:178 Resp: 401567
Ion Ratio Lower Upper
178 100
179 15.6 11.6 17.4
176 18.2 14.4 21.6





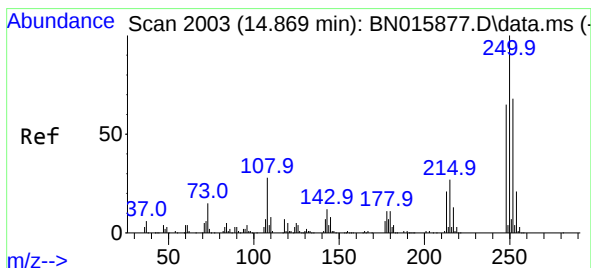
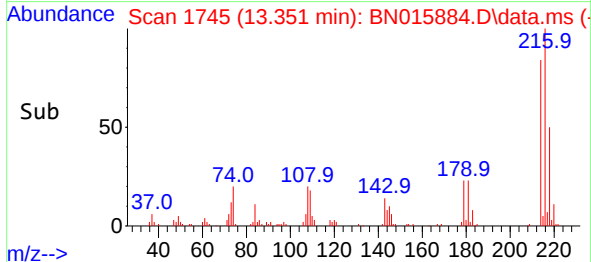
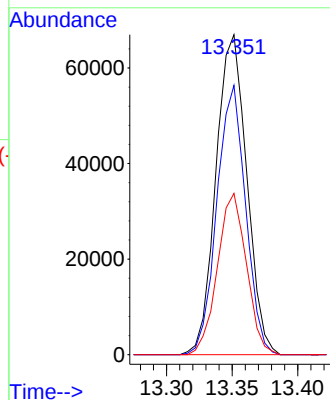
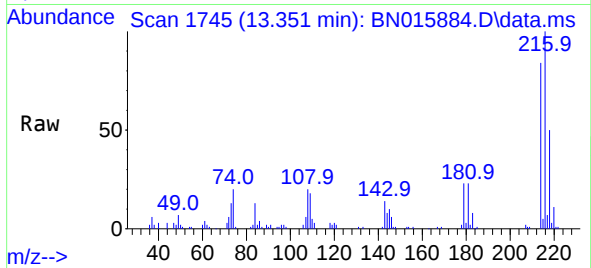
#75
1,2,3,4-Tetrachlorobenzene
Concen: 4.474 ng/uL
RT: 13.351 min Scan# 1745
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:216 Resp: 109366
Ion Ratio Lower Upper
216 100
214 84.1 64.6 97.0
218 50.4 38.7 58.1

Instrument :
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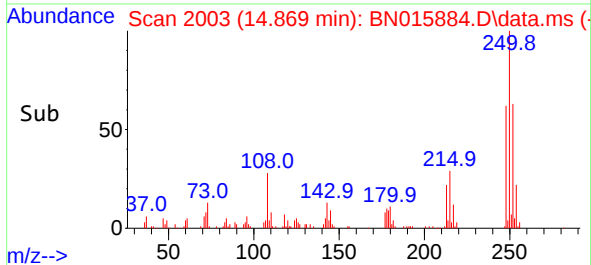
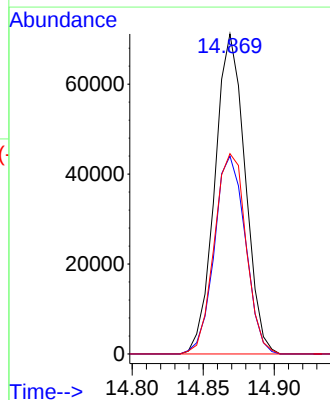
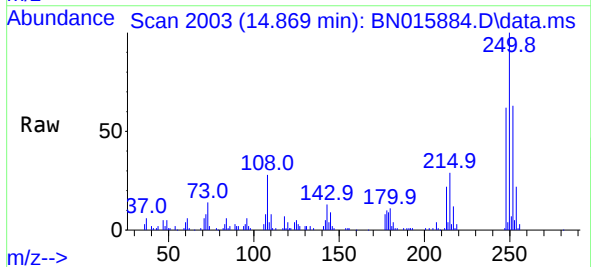
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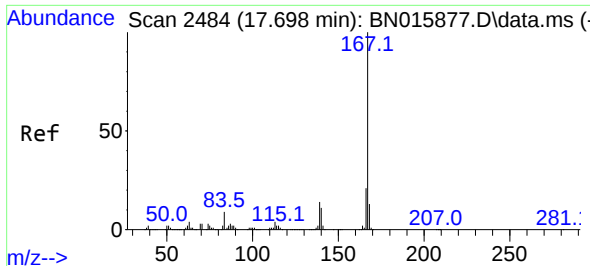
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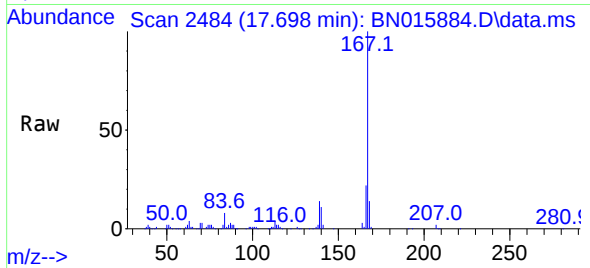
#76
Pentachlorobenzene
Concen: 4.432 ng/uL
RT: 14.869 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:250 Resp: 105454
Ion Ratio Lower Upper
250 100
248 61.8 51.9 77.9
252 62.6 54.7 82.1



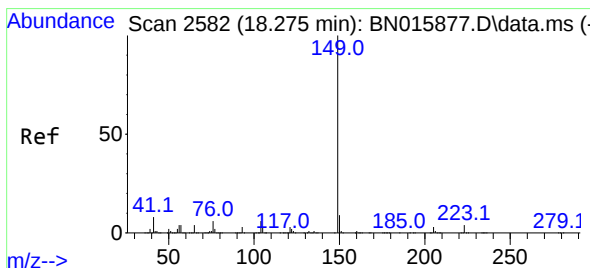
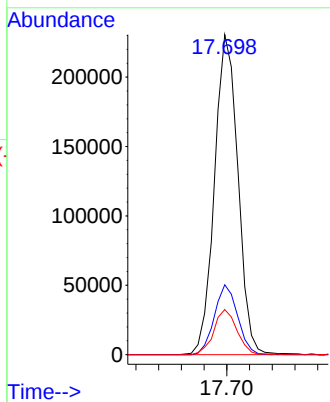
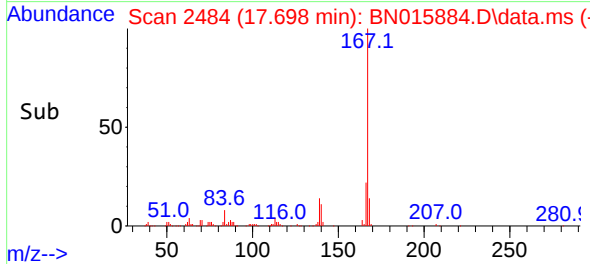


#77
 Carbazole
 Concen: 4.370 ng/ul
 RT: 17.698 min Scan# 2484
 Delta R.T. -0.000 min
 Lab File: BN015884.D
 Acq: 16 Aug 2021 18:44

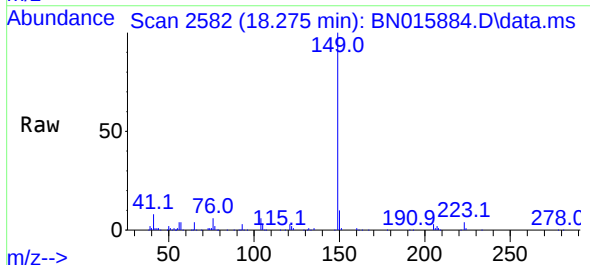


Tgt Ion:167 Resp: 330898

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	14.1	11.6	17.4

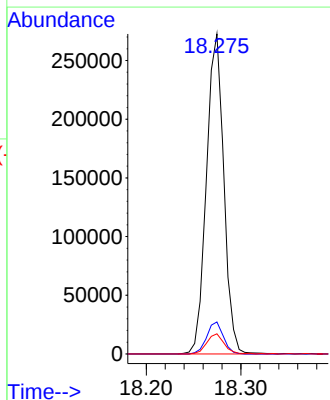
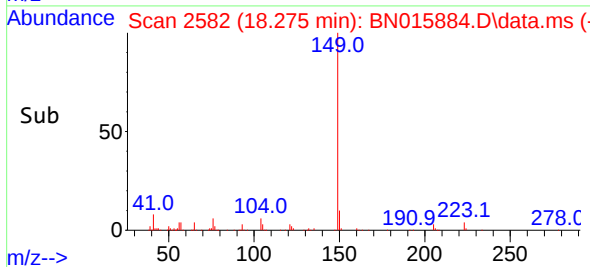


#78
 Di-n-butylphthalate
 Concen: 4.033 ng/ul
 RT: 18.275 min Scan# 2582
 Delta R.T. -0.000 min
 Lab File: BN015884.D
 Acq: 16 Aug 2021 18:44



Tgt Ion:149 Resp: 347233

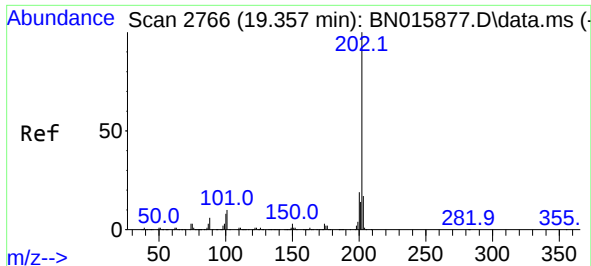
Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.5	11.3
104	6.3	5.0	7.4



Instrument :
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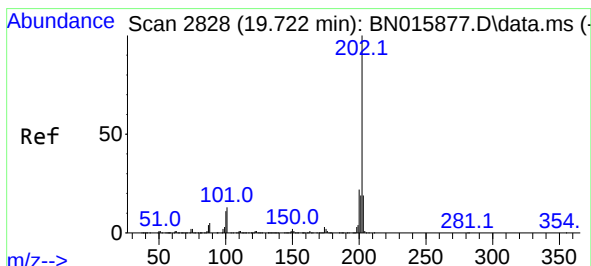
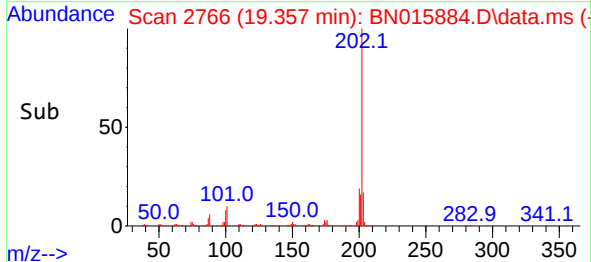
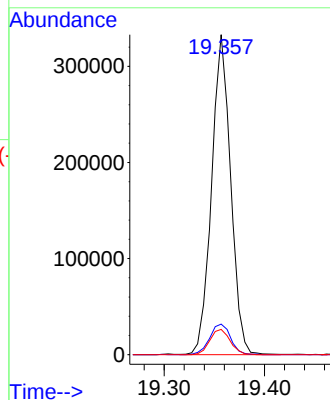
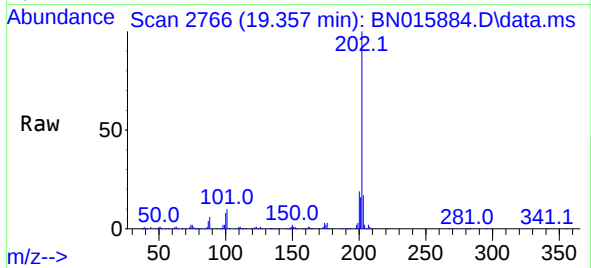
#80
Fluoranthene
Concen: 4.375 ng/u1
RT: 19.357 min Scan# 2766
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:202 Resp: 440390
Ion Ratio Lower Upper
202 100
101 9.5 8.0 12.0
100 7.9 6.7 10.1

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

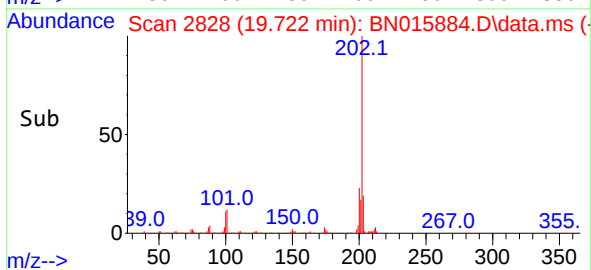
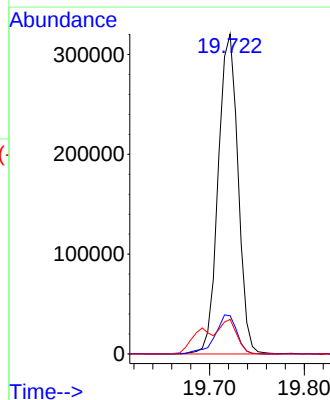
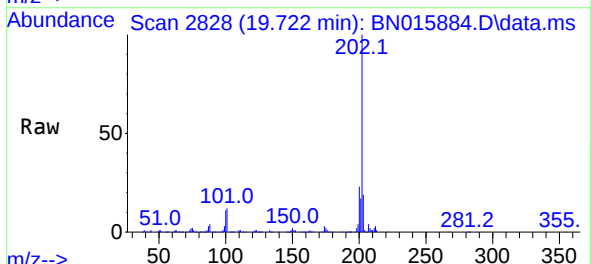
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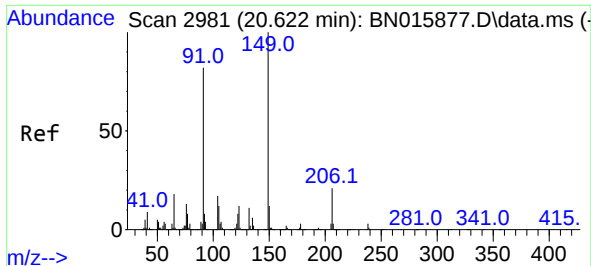
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#82
Pyrene
Concen: 4.452 ng/u1
RT: 19.722 min Scan# 2828
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:202 Resp: 466417
Ion Ratio Lower Upper
202 100
101 11.9 10.1 15.1
100 10.8 9.2 13.8





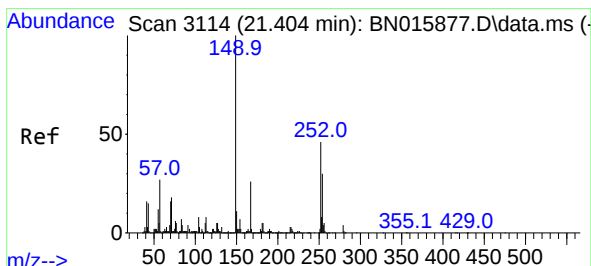
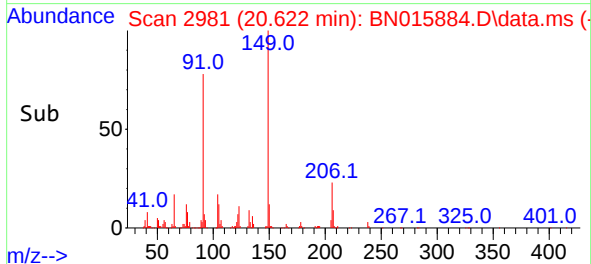
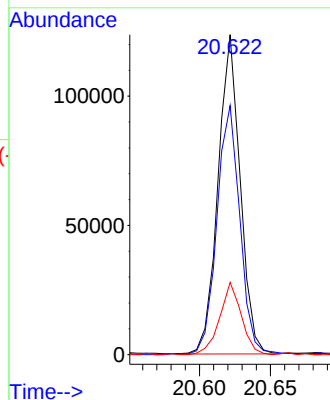
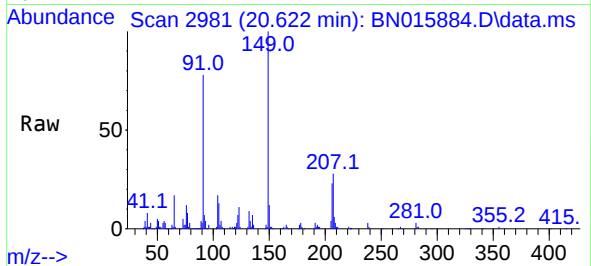
#83
Butylbenzylphthalate
Concen: 3.800 ng/ul
RT: 20.622 min Scan# 2981
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:149 Resp: 133889
Ion Ratio Lower Upper
149 100
91 77.9 65.2 97.8
206 22.6 17.1 25.7

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

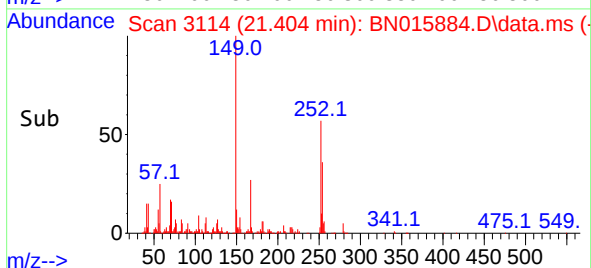
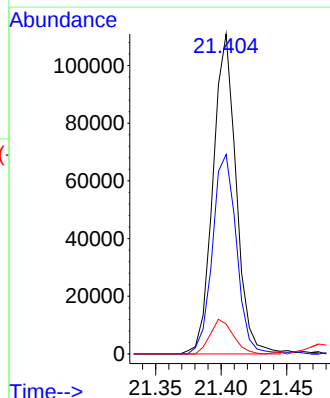
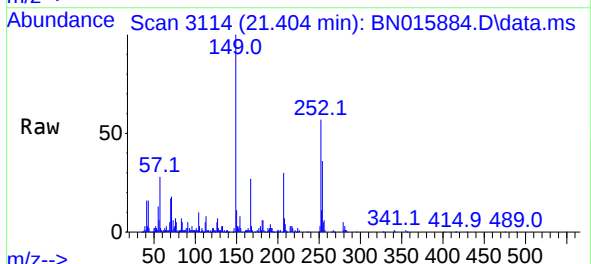
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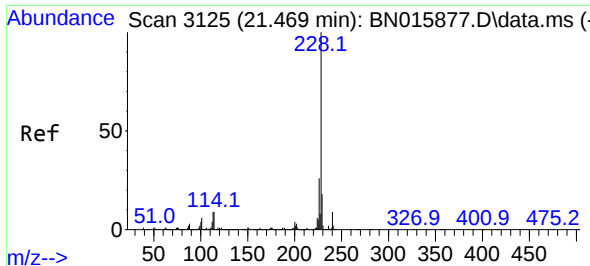
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#84
3,3'-Dichlorobenzidine
Concen: 4.316 ng/ul
RT: 21.404 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

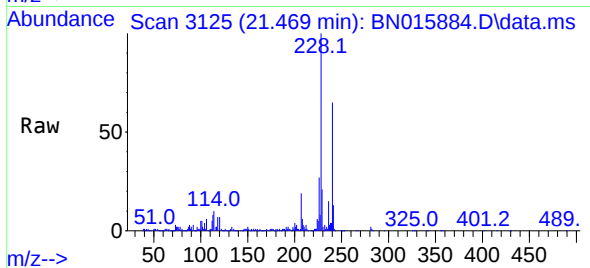
Tgt Ion:252 Resp: 136496
Ion Ratio Lower Upper
252 100
254 62.4 52.0 78.0
126 9.3 8.5 12.7





#85
Benzo(a)anthracene
Concen: 4.572 ng/ul
RT: 21.469 min Scan# 3125
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

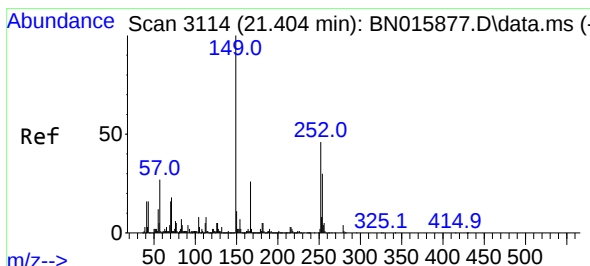
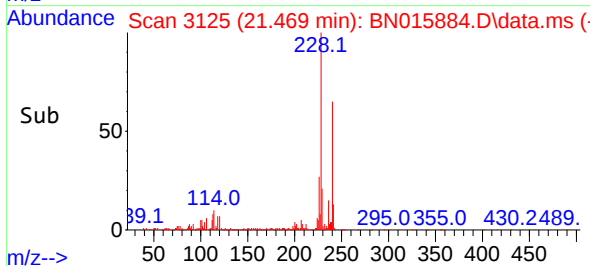
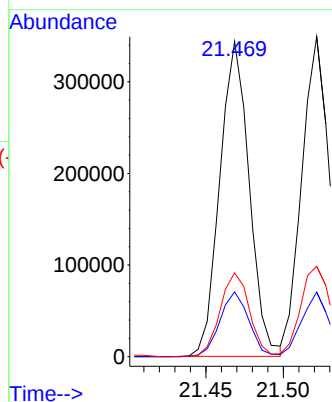
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:228 Resp: 454327
Ion Ratio Lower Upper
228 100
229 20.6 14.5 21.7
226 26.6 20.9 31.3

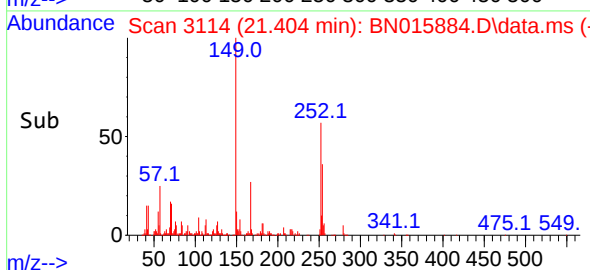
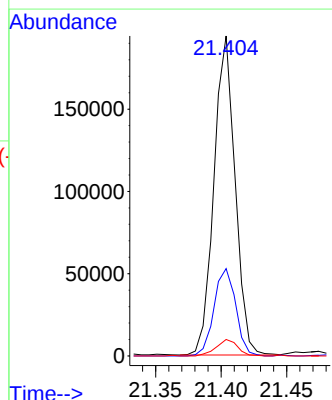
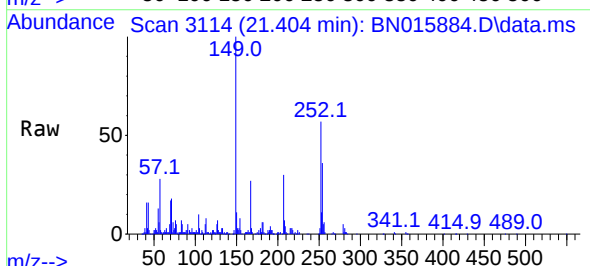
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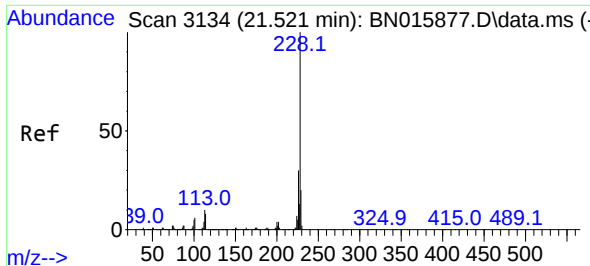
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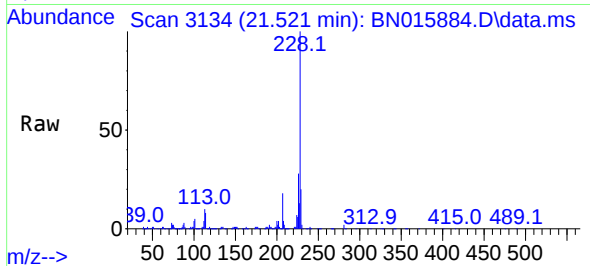
#86
Bis(2-ethylhexyl)phthalate
Concen: 3.892 ng/ul
RT: 21.404 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:149 Resp: 217443
Ion Ratio Lower Upper
149 100
167 27.3 20.6 30.8
279 5.1 3.4 5.2

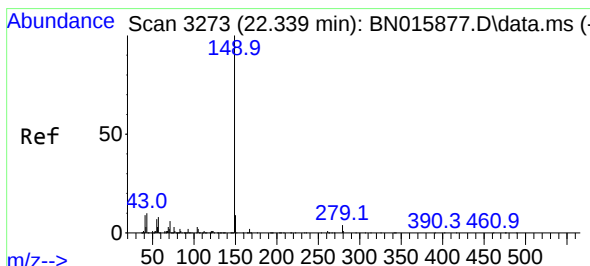
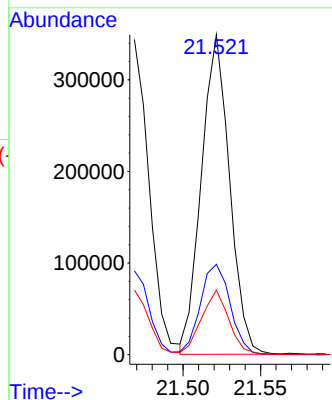
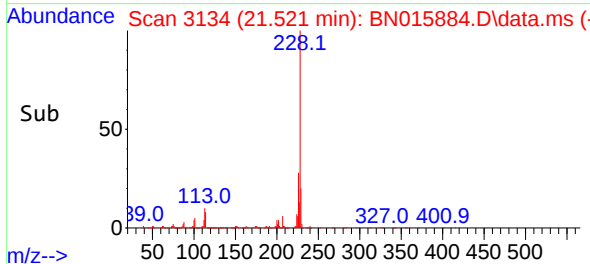




#87
Chrysene
Concen: 4.582 ng/ul
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

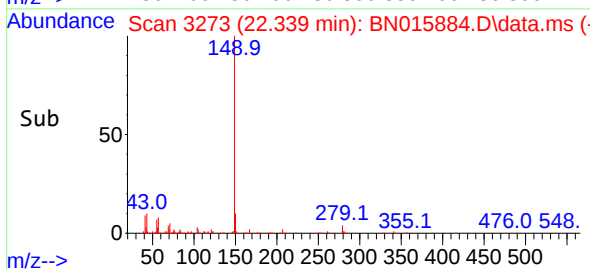
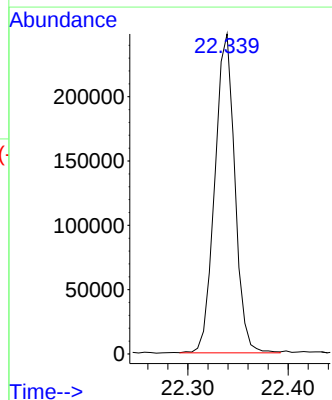
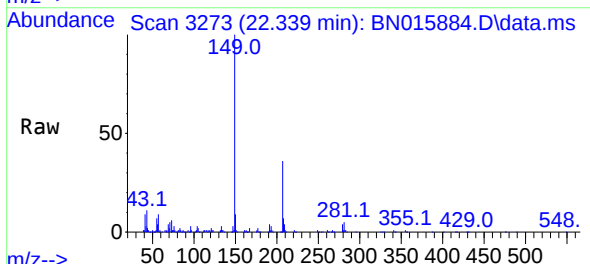


Tgt Ion:228 Resp: 440863
Ion Ratio Lower Upper
228 100
226 28.3 24.2 36.2
229 20.2 15.9 23.9



#89
Di-n-octyl phthalate
Concen: 3.643 ng/ul
RT: 22.339 min Scan# 3273
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

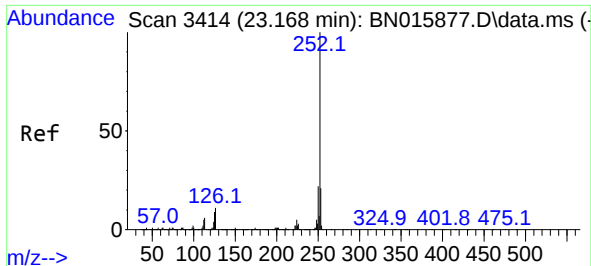
Tgt Ion:149 Resp: 342810



Instrument :
BNA_N
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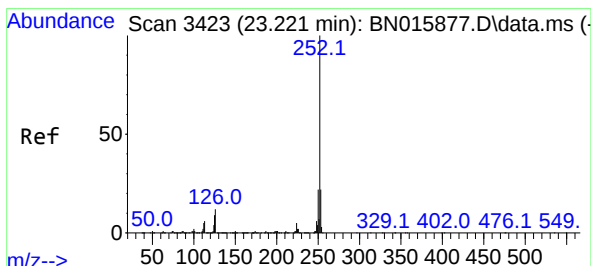
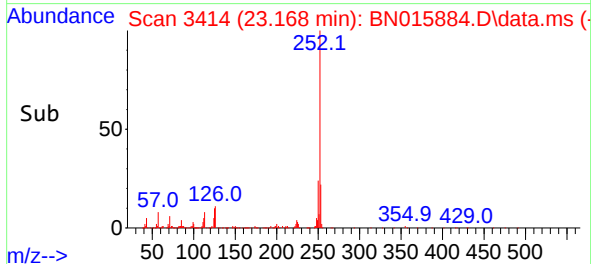
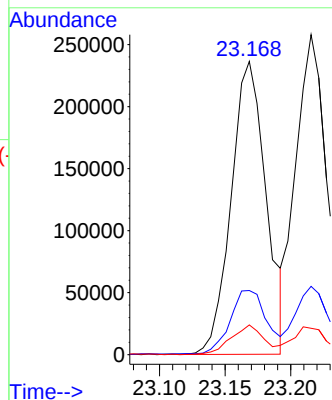
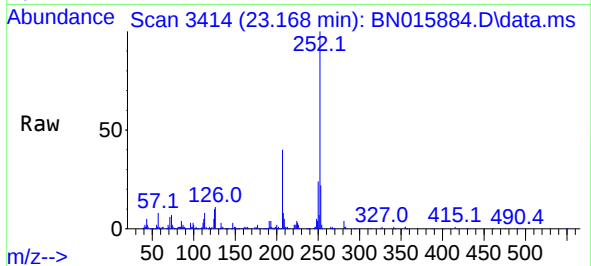
#90
Benzo(b)fluoranthene
Concen: 4.481 ng/ul
RT: 23.168 min Scan# 3414
Delta R.T. -0.000 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:252 Resp: 438005
Ion Ratio Lower Upper
252 100
253 21.9 16.6 25.0
125 10.2 7.1 10.7

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

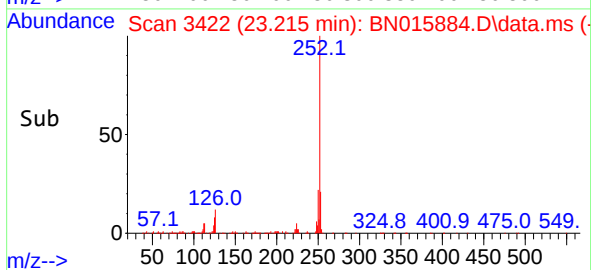
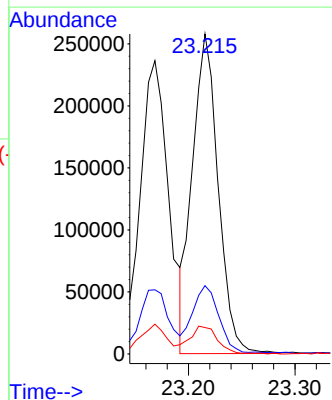
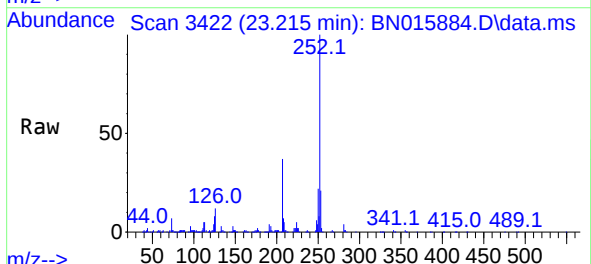
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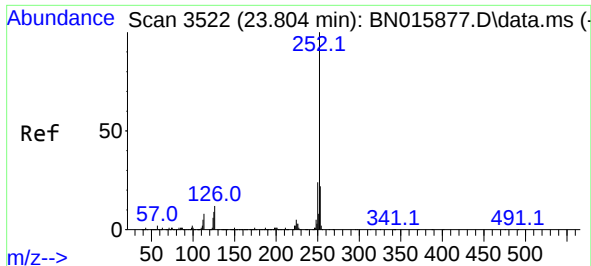
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#91
Benzo(k)fluoranthene
Concen: 4.459 ng/ul
RT: 23.215 min Scan# 3422
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:252 Resp: 433926
Ion Ratio Lower Upper
252 100
253 21.4 17.7 26.5
125 8.3 7.0 10.6





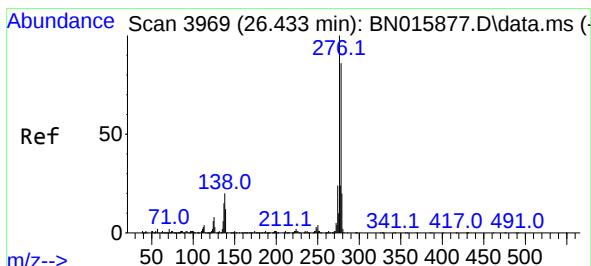
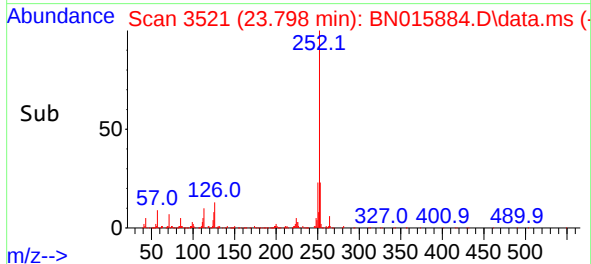
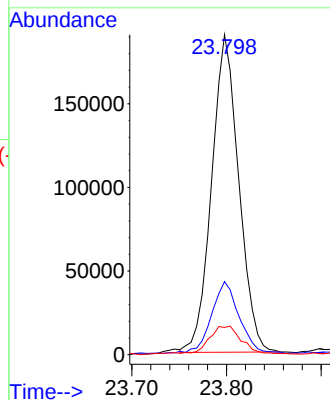
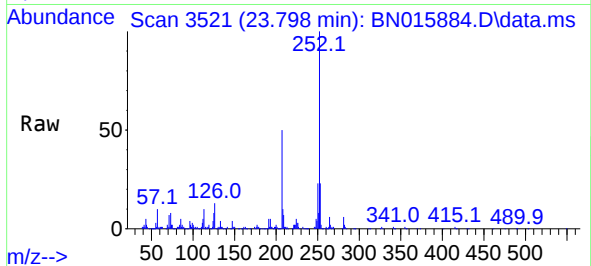
#93
Benzo(a)pyrene
Concen: 4.270 ng/ul
RT: 23.798 min Scan# 3521
Delta R.T. -0.006 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

Tgt Ion:252 Resp: 377863
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 8.5 7.2 10.8

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

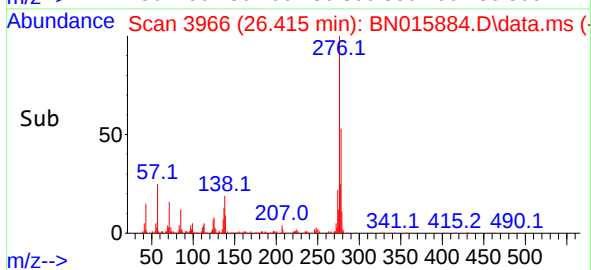
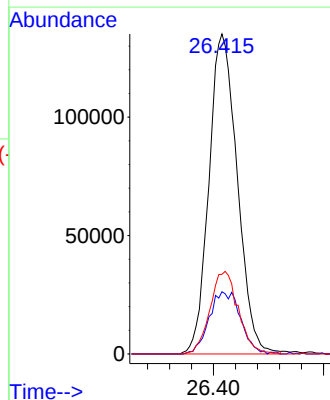
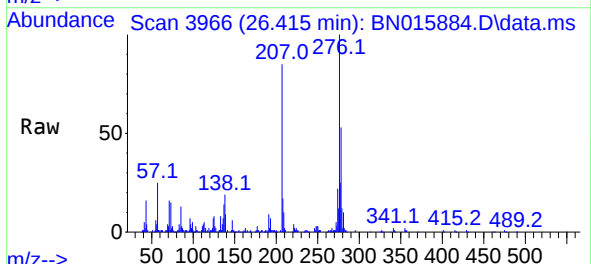
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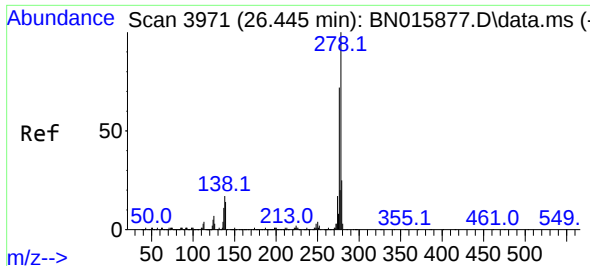
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#94
Indeno(1,2,3-cd)pyrene
Concen: 4.409 ng/ul
RT: 26.415 min Scan# 3966
Delta R.T. -0.018 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

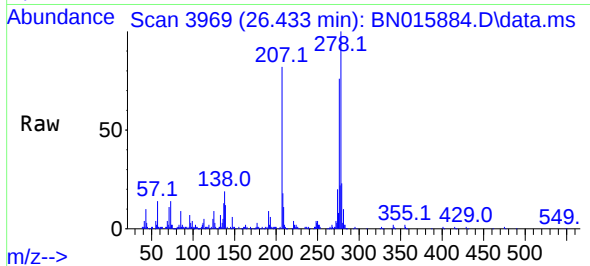
Tgt Ion:276 Resp: 483789
Ion Ratio Lower Upper
276 100
138 19.5 15.9 23.9
277 24.9 19.5 29.3





#95
Dibenzo(a,h)anthracene
Concen: 4.561 ng/ul
RT: 26.433 min Scan# 3969
Delta R.T. -0.012 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44

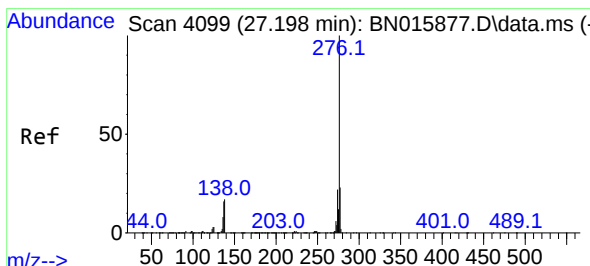
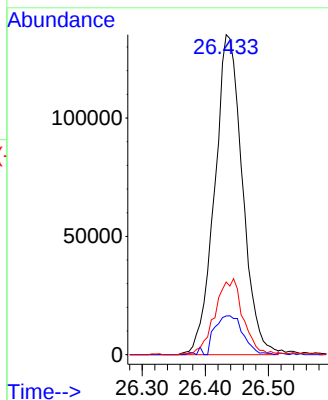
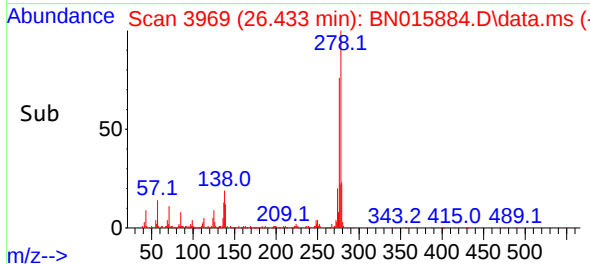
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05



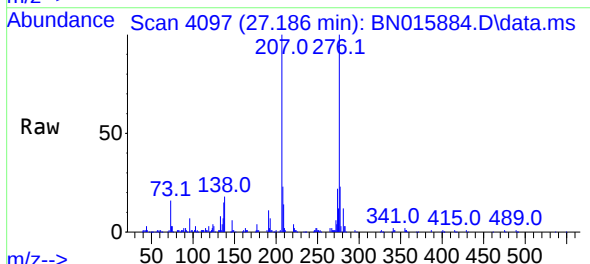
Tgt Ion:278 Resp: 413137
Ion Ratio Lower Upper
278 100
139 12.1 11.0 16.6
279 22.7 19.9 29.9

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#96
Benzo(g,h,i)perylene
Concen: 4.345 ng/ul
RT: 27.186 min Scan# 4097
Delta R.T. -0.012 min
Lab File: BN015884.D
Acq: 16 Aug 2021 18:44



Tgt Ion:276 Resp: 394120
Ion Ratio Lower Upper
276 100
138 18.1 13.4 20.0
277 23.2 18.5 27.7

