

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012521\
 Data File : BM028532.D
 Acq On : 25 Jan 2021 16:54
 Operator : CG/JU
 Sample : L5214-03
 Misc : SFAM-MDL-S-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT1-2021-01

Manual Integrations
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Quant Time: Jan 25 17:26:36 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM011921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 25 12:52:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	28480	20.00	ng/ul	0.00
20) Naphthalene-d8	10.804	136	112015	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.633	164	64248	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.363	188	129399	20.00	ng/ul	0.00
79) Chrysene-d12	21.498	240	127005	20.00	ng/ul	0.00
88) Perylene-d12	23.774	264	127268	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	2244	3.31	ng/uL	0.00
4) Pyridine-d5	3.722	84	36424	18.78	ng/ul	0.00
7) Phenol-d5	7.151	99	84733	35.51	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.316	67	52918	35.09	ng/ul	0.00
11) 2-Chlorophenol-d4	7.516	132	72297	35.46	ng/ul	0.00
15) 4-Methylphenol-d8	8.704	113	71434	36.84	ng/ul	0.00
21) Nitrobenzene-d5	9.163	128	34663	37.83	ng/ul	0.00
24) 2-Nitrophenol-d4	9.892	143	38317	38.83	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.428	165	65828	35.50	ng/ul	0.00
31) 4-Chloroaniline-d4	10.945	131	92708	37.39	ng/ul	0.00
46) Dimethylphthalate-d6	14.045	166	187906	36.48	ng/ul	0.00
49) Acenaphthylene-d8	14.333	160	244818	39.03	ng/ul	0.00
54) 4-Nitrophenol-d4	14.833	143	34906	38.62	ng/ul	0.00
60) Fluorene-d10	15.621	176	157688	36.40	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	29728	35.75	ng/ul	0.00
73) Anthracene-d10	17.462	188	238388	37.06	ng/ul	0.00
81) Pyrene-d10	19.733	212	257632	35.71	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.633	264	245820	35.17	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.310	88	927	1.28	ng/uL#	93
5) Pyridine	3.746	79	7901	4.06	ng/ul#	76
6) Benzaldehyde	7.128	77	5045	5.28	ng/ul	98
8) Phenol	7.175	94	9683	4.01	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.410	93	8624	4.29	ng/ul	94
12) 2-Chlorophenol	7.551	128	8623	4.17	ng/ul	97
13) 2-Methylphenol	8.440	108	7142	3.88	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.534	45	12921m	3.75	ng/ul	
16) Acetophenone	8.828	105	12182	4.10	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.810	70	5754	3.92	ng/ul	93
18) 4-Methylphenol	8.769	108	8149	4.14	ng/ul	99
19) Hexachloroethane	9.075	117	3493	3.83	ng/ul	93
22) Nitrobenzene	9.204	77	9178	4.07	ng/ul	98
23) Isophorone	9.734	82	15544	3.96	ng/ul	98
25) 2-Nitrophenol	9.922	139	4612	4.31	ng/ul	97
26) 2,4-Dimethylphenol	9.975	107	8644	4.11	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.216	93	10379	4.07	ng/ul	99
29) 2,4-Dichlorophenol	10.451	162	7787	4.34	ng/ul	95
30) Naphthalene	10.857	128	27050	4.23	ng/ul	98
32) 4-Chloroaniline	10.969	127	10254	4.25	ng/ul	97
33) Hexachlorobutadiene	11.134	225	5005	4.11	ng/ul	96
34) Caprolactam	11.751	113	1891	3.58	ng/ul	91
35) 4-Chloro-3-methylphenol	12.086	107	7606	4.15	ng/ul	98
36) 2-Methylnaphthalene	12.463	142	17982	4.17	ng/ul	99

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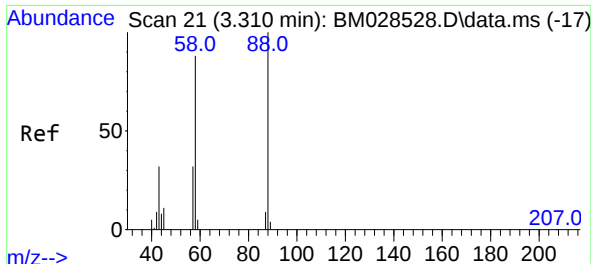
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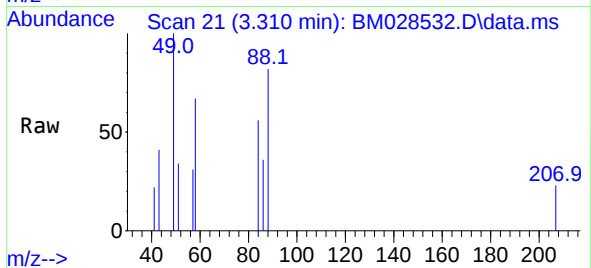
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.680	142	17209	4.15	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.833	216	9109	4.13	ng/ul	97
40) Hexachlorocyclopentadiene	12.804	237	4242	3.74	ng/ul	93
41) 2,4,6-Trichlorophenol	13.069	196	5599	4.06	ng/ul	96
42) 2,4,5-Trichlorophenol	13.145	196	5751	3.88	ng/ul	97
43) 1,1'-Biphenyl	13.469	154	22674	4.03	ng/ul	98
44) 2-Chloronaphthalene	13.516	162	17797	4.06	ng/ul	97
45) 2-Nitroaniline	13.722	65	4530	3.75	ng/ul	90
47) Dimethylphthalate	14.086	163	21810	4.14	ng/ul	98
48) 2,6-Dinitrotoluene	14.216	165	3882	3.73	ng/ul	96
50) Acenaphthylene	14.357	152	26979	4.21	ng/ul	98
51) 3-Nitroaniline	14.539	138	3697	3.90	ng/ul	99
52) Acenaphthene	14.698	153	19180	4.15	ng/ul	98
53) 2,4-Dinitrophenol	14.757	184	1822	3.20	ng/ul	95
55) 4-Nitrophenol	14.845	109	2960	4.10	ng/ul#	75
56) Dibenzofuran	15.033	168	26485	4.28	ng/ul	96
57) 2,4-Dinitrotoluene	14.998	165	5654	4.03	ng/ul#	97
58) 2,3,4,6-Tetrachlorophenol	15.257	232	4771	3.96	ng/ul#	97
59) Diethylphthalate	15.445	149	21328	3.93	ng/ul	98
61) Fluorene	15.680	166	21406	4.15	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.669	204	10667	4.15	ng/ul	95
63) 4-Nitroaniline	15.698	138	3433	4.16	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.757	198	3623	4.06	ng/ul#	56
67) N-Nitrosodiphenylamine	15.880	169	17646	4.05	ng/ul	99
68) 4-Bromophenyl-phenylether	16.557	248	6206	3.94	ng/ul	97
69) Hexachlorobenzene	16.674	284	7113	3.98	ng/ul	97
70) Atrazine	16.821	200	5880	3.65	ng/ul	97
71) Pentachlorophenol	17.015	266	3480	3.45	ng/ul	96
72) Phenanthrene	17.404	178	33351	4.21	ng/ul	99
74) Anthracene	17.498	178	34277	4.26	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.439	216	8763	3.95	ng/uL	95
76) Pentachlorobenzene	14.951	250	8562	3.94	ng/uL	99
77) Carbazole	17.762	167	29286	4.30	ng/ul	100
78) Di-n-butylphthalate	18.310	149	35989	3.83	ng/ul	99
80) Fluoranthene	19.404	202	37202	3.90	ng/ul	100
82) Pyrene	19.762	202	39491	4.03	ng/ul	99
83) Butylbenzylphthalate	20.639	149	16598	3.74	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.415	252	12966	4.96	ng/ul	95
85) Benzo(a)anthracene	21.486	228	36565	4.21	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.398	149	25031	3.64	ng/ul	99
87) Chrysene	21.533	228	35574	4.21	ng/ul	99
89) Di-n-octyl phthalate	22.286	149	42818	3.58	ng/ul	100
90) Benzo(b)fluoranthene	23.086	252	38193	4.38	ng/ul	98
91) Benzo(k)fluoranthene	23.133	252	35061	4.12	ng/ul	99
93) Benzo(a)pyrene	23.674	252	34063	4.32	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.080	276	40879	4.38	ng/ul	97
95) Dibenzo(a,h)anthracene	26.091	278	34545	4.36	ng/ul	97
96) Benzo(g,h,i)perylene	26.785	276	34133	4.34	ng/ul	97

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



#2
1,4-Dioxane
Concen: 1.28 ng/uL
RT: 3.310 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

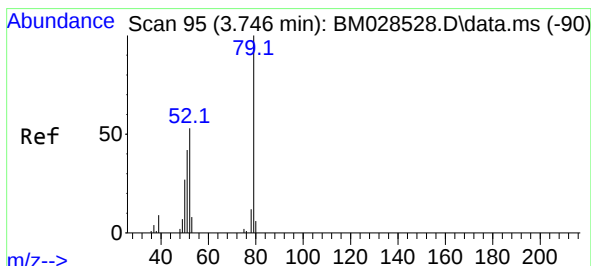
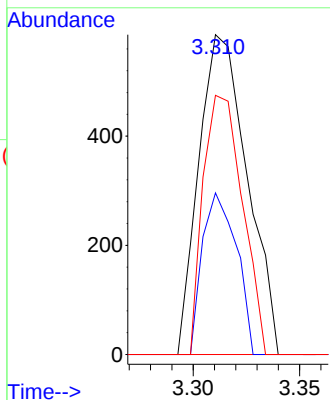
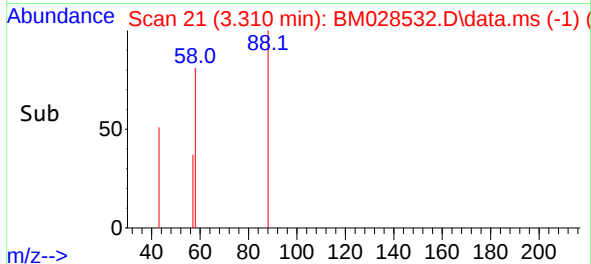
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01



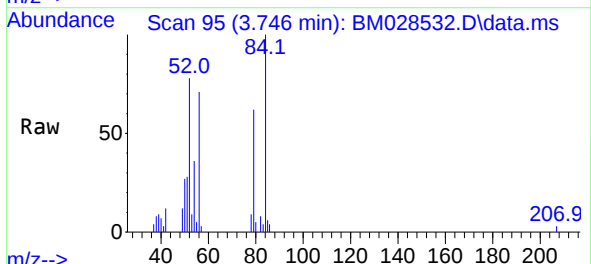
Tgt Ion: 88 Resp: 927
Ion Ratio Lower Upper
88 100
43 50.5 30.7 46.1#
58 81.1 66.0 99.0

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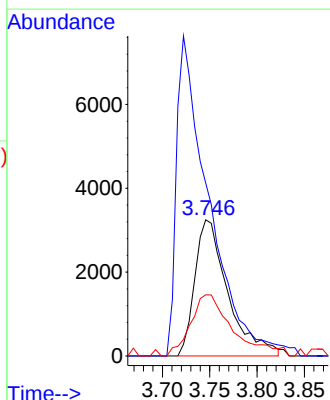
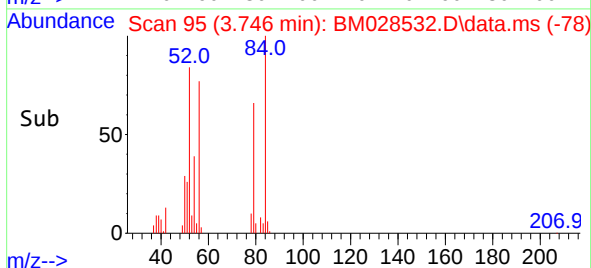
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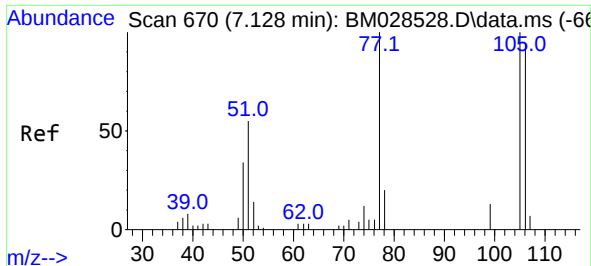


#5
Pyridine
Concen: 4.06 ng/uL
RT: 3.746 min Scan# 95
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



Tgt Ion: 79 Resp: 7901
Ion Ratio Lower Upper
79 100
52 126.9 74.5 111.7#
51 44.9 37.5 56.3





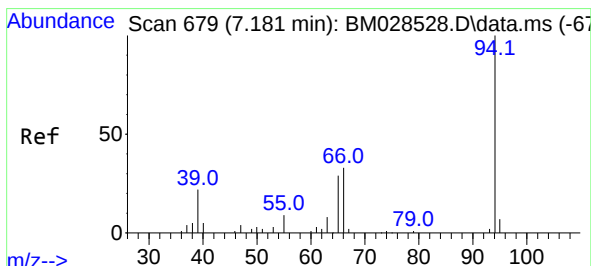
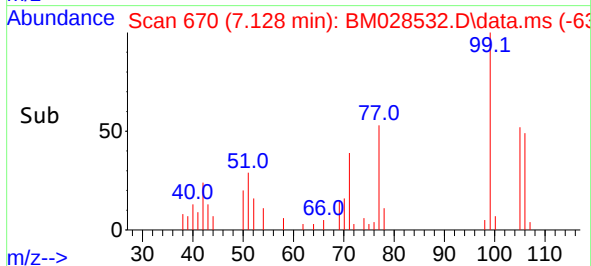
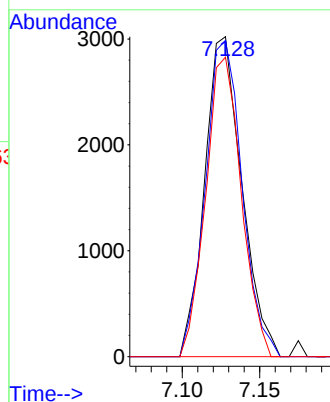
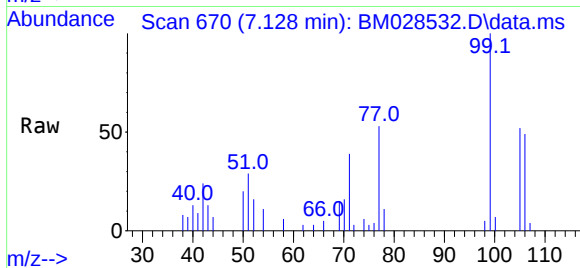
#6
Benzaldehyde
Concen: 5.28 ng/ul
RT: 7.128 min Scan# 670
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:	77	Resp:	5045
Ion	Ratio	Lower	Upper
77	100		
105	98.9	77.2	115.8
106	93.6	73.8	110.6

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01

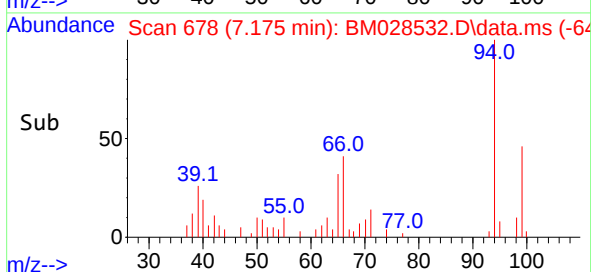
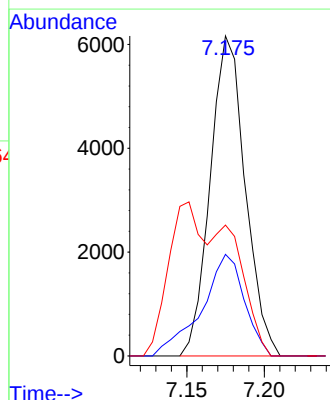
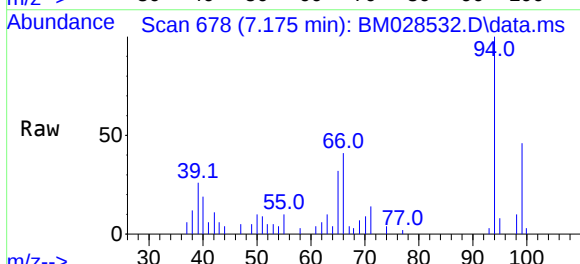
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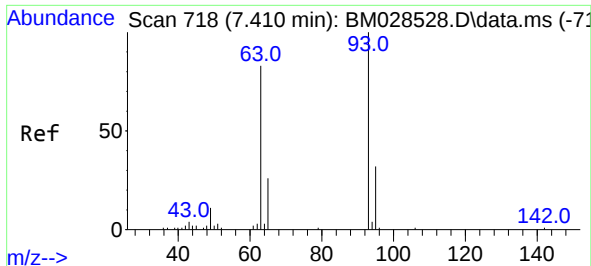
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#8
Phenol
Concen: 4.01 ng/ul
RT: 7.175 min Scan# 678
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

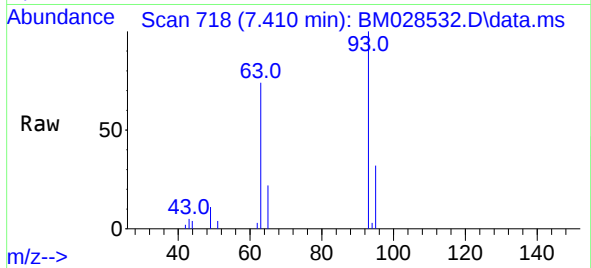
Tgt Ion:	94	Resp:	9683
Ion	Ratio	Lower	Upper
94	100		
65	31.7	24.1	36.1
66	40.9	32.6	49.0





#10
Bis(2-Chloroethyl)ether
Concen: 4.29 ng/ul
RT: 7.410 min Scan# 718
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

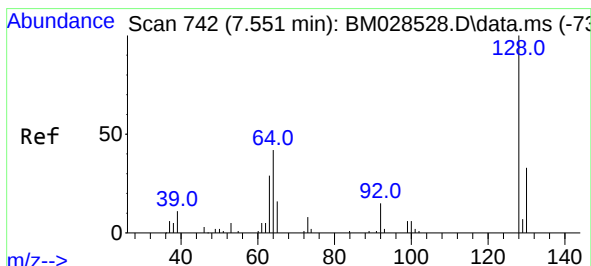
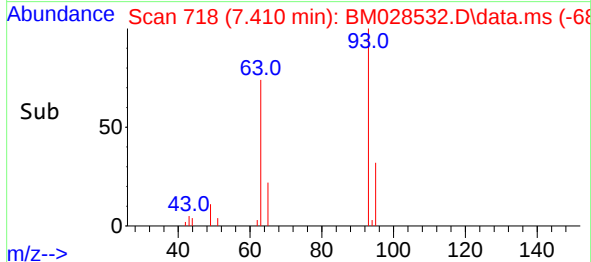
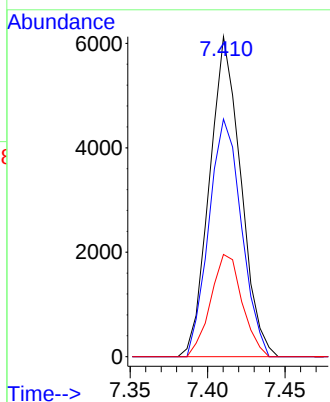
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ClientSampleId :
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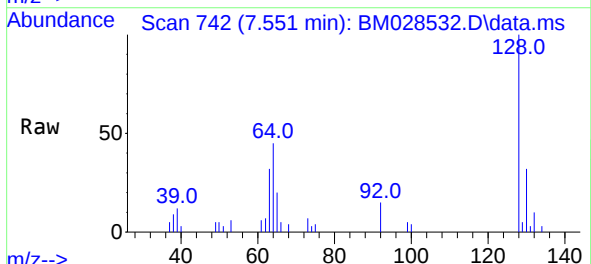
Tgt Ion: 93	Resp: 8624
Ion Ratio	Lower Upper
93 100	
63 74.2	64.8 97.2
95 32.0	25.7 38.5

Manual Integrations
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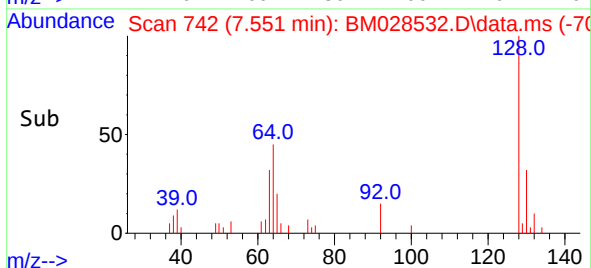
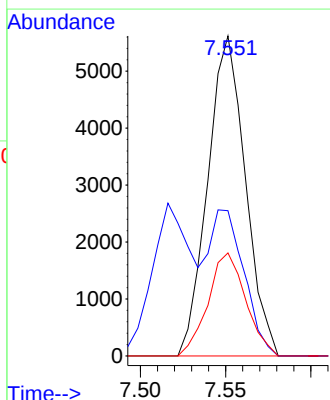
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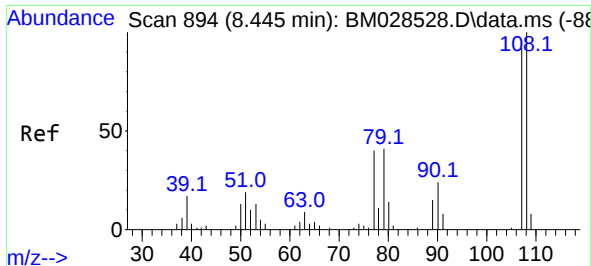


#12
2-Chlorophenol
Concen: 4.17 ng/ul
RT: 7.551 min Scan# 742
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



Tgt Ion:128	Resp: 8623		
Ion Ratio	Lower	Upper	
128 100			
64 45.4	38.0	57.0	
130 32.2	27.2	40.8	





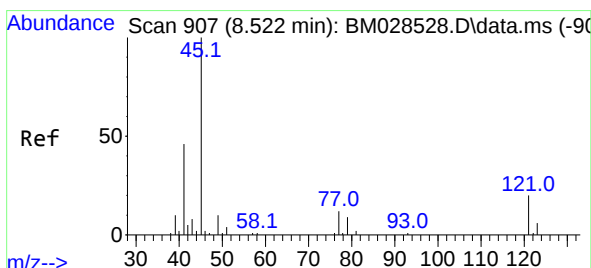
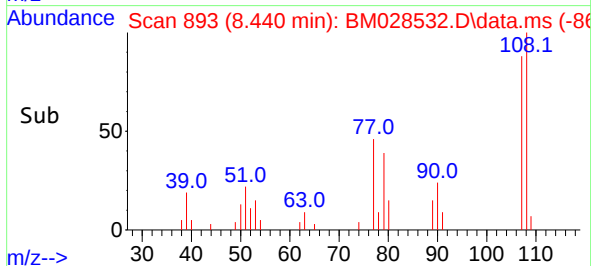
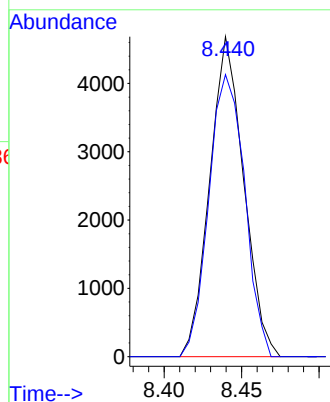
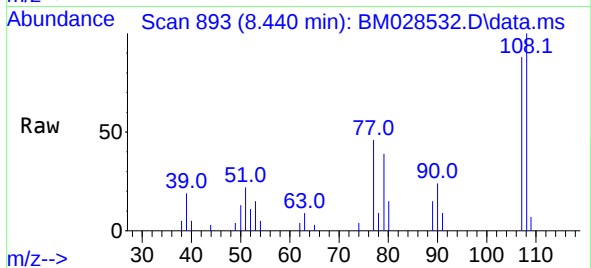
#13
2-Methylphenol
Concen: 3.88 ng/ul
RT: 8.440 min Scan# 893
Delta R.T. -0.006 min
Lab File: BM028532.D
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Tgt Ion: 108 Resp: 7142
Ion Ratio Lower Upper
108 100
107 88.1 69.6 104.4

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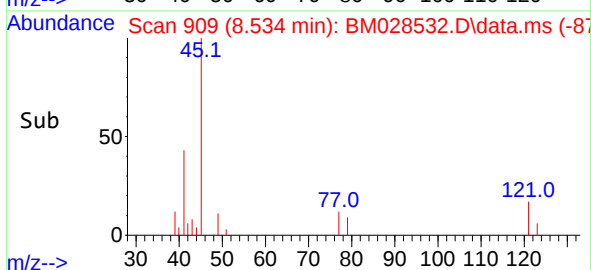
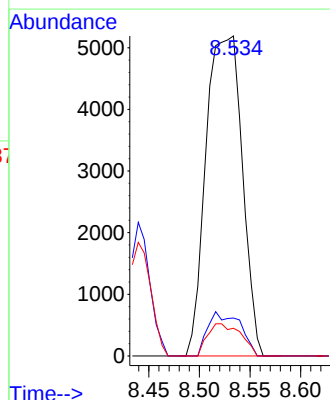
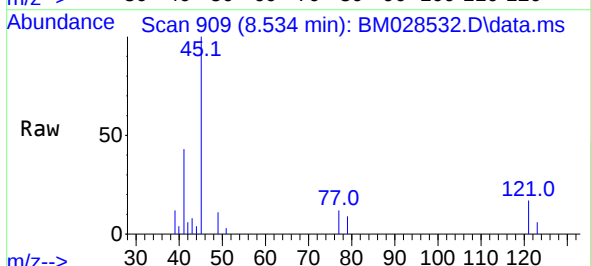
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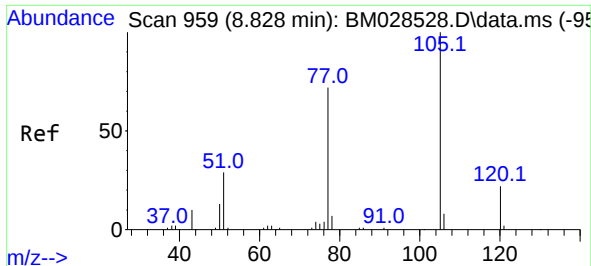
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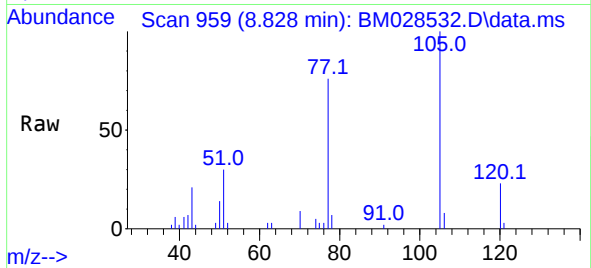
#14
2,2'-oxybis(1-Chloropropane)
Concen: 3.75 ng/ul m
RT: 8.534 min Scan# 909
Delta R.T. 0.012 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion: 45 Resp: 12921
Ion Ratio Lower Upper
45 100
77 11.9 9.7 14.5
79 8.7 6.8 10.2

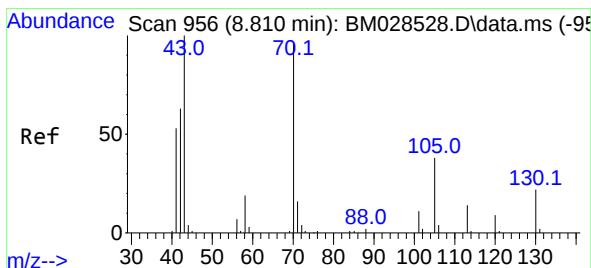
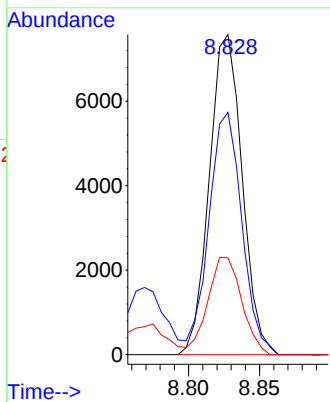
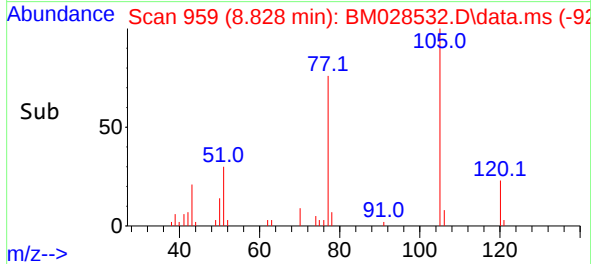




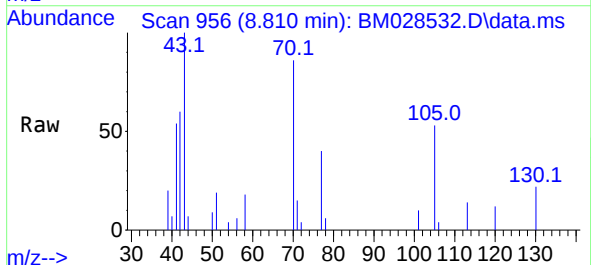
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Acetophenone
Concen: 4.10 ng/ul
RT: 8.828 min Scan# 959
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



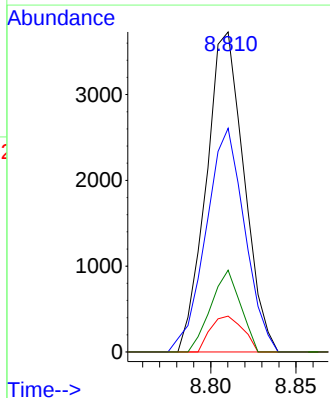
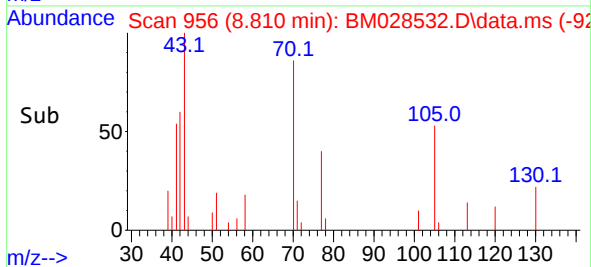
Tgt Ion: 105 Resp: 12182
Ion Ratio Lower Upper
105 100
77 75.7 61.5 92.3
51 30.3 26.4 39.6



#17
N-Nitroso-di-n-propylamine
Concen: 3.92 ng/ul
RT: 8.810 min Scan# 956
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



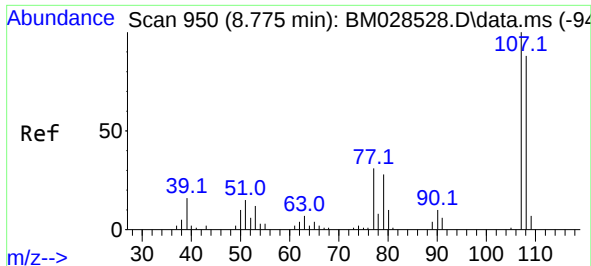
Tgt Ion: 70 Resp: 5754
Ion Ratio Lower Upper
70 100
42 69.9 60.4 90.6
101 11.2 8.4 12.6
130 25.5 17.0 25.6



Instrument :
BNA_M
ClientSampleId :
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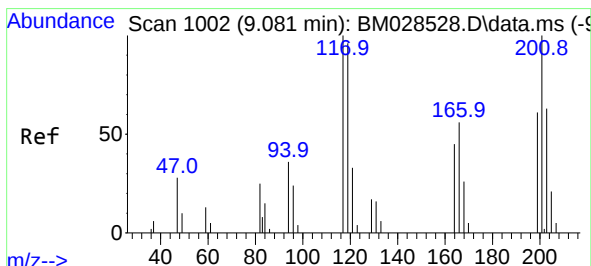
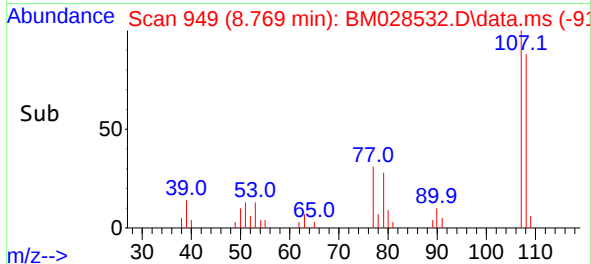
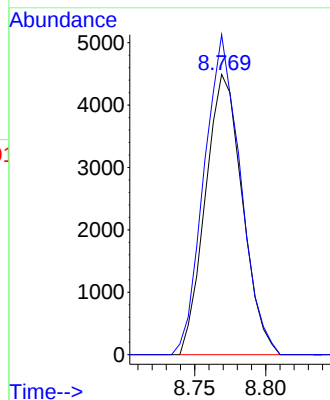
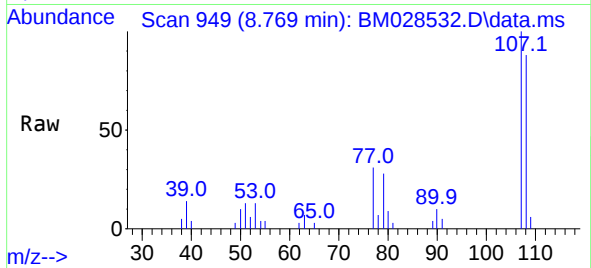
#18
4-Methylphenol
Concen: 4.14 ng/ul
RT: 8.769 min Scan# 949
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tgt Ion:108 Resp: 8149
Ion Ratio Lower Upper
108 100
107 114.2 90.1 135.1

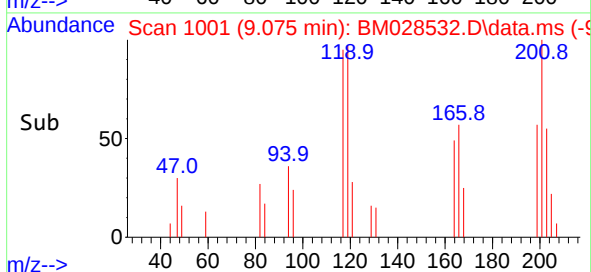
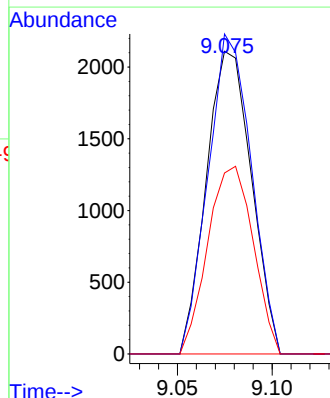
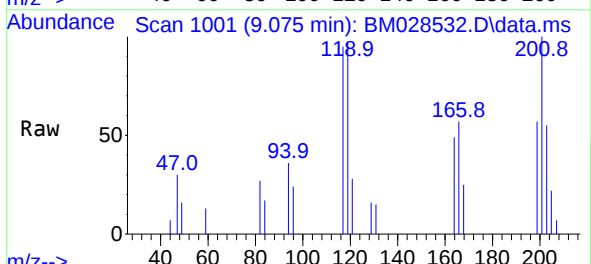
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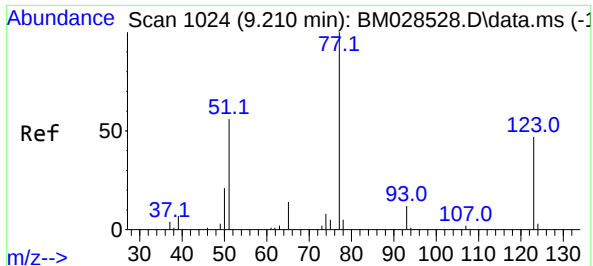
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#19
Hexachloroethane
Concen: 3.83 ng/ul
RT: 9.075 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:117 Resp: 3493
Ion Ratio Lower Upper
117 100
201 105.7 76.9 115.3
199 59.8 46.9 70.3





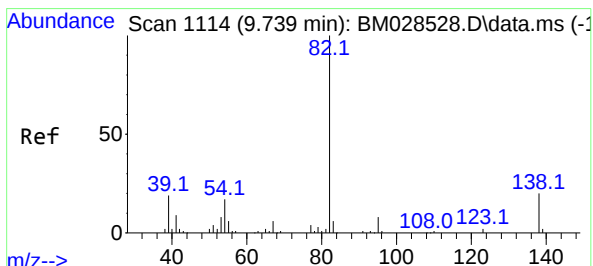
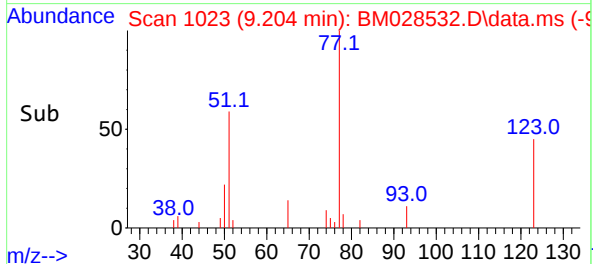
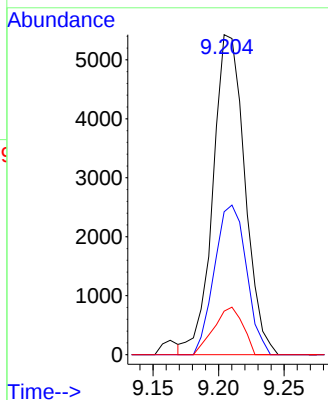
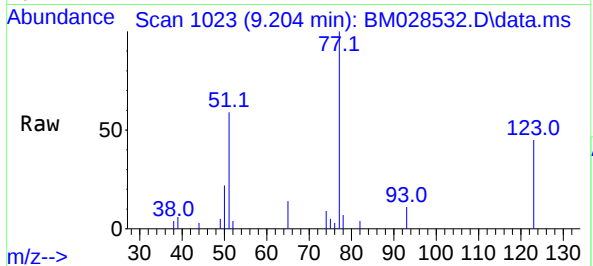
#22
Nitrobenzene
Concen: 4.07 ng/ul
RT: 9.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion: 77 Resp: 9178
Ion Ratio Lower Upper
77 100
123 44.7 37.0 55.6
65 13.6 11.4 17.0

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01

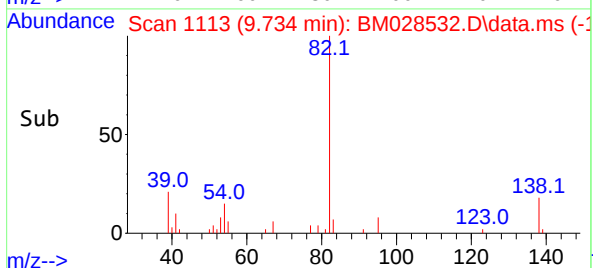
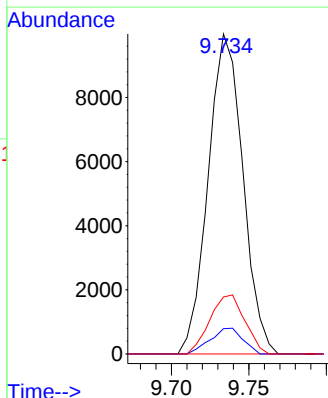
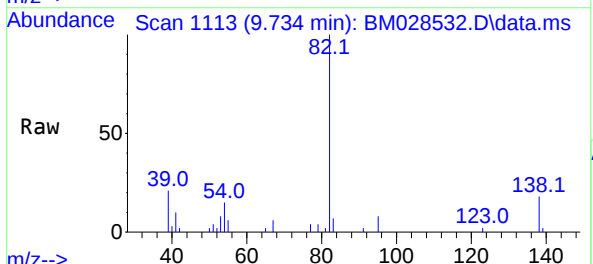
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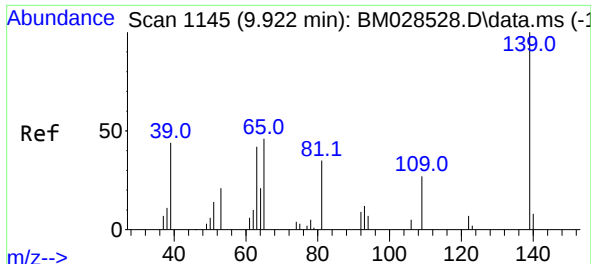
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#23
Isophorone
Concen: 3.96 ng/ul
RT: 9.734 min Scan# 1113
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion: 82 Resp: 15544
Ion Ratio Lower Upper
82 100
95 7.9 5.8 8.8
138 17.8 15.2 22.8





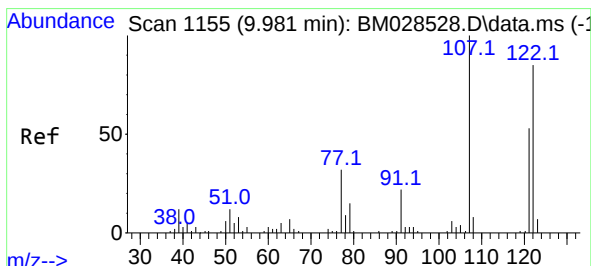
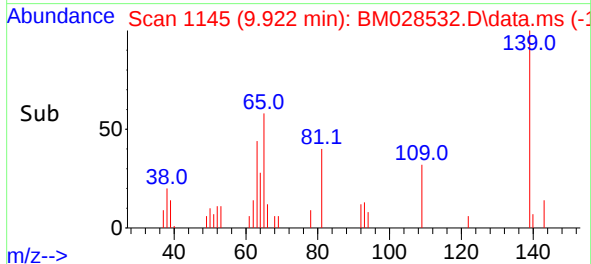
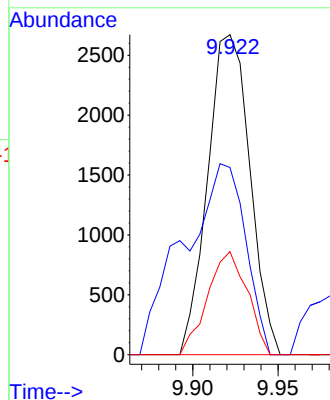
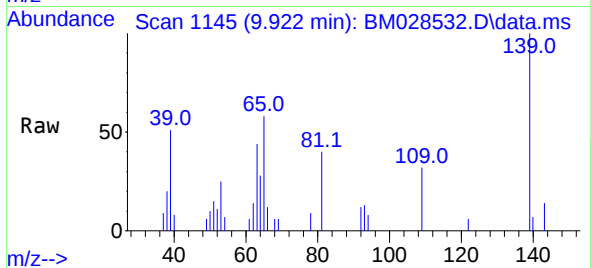
#25
2-Nitrophenol
Concen: 4.31 ng/ul
RT: 9.922 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:	139	Resp:	4612
Ion	Ratio	Lower	Upper
139	100		
65	58.5	45.2	67.8
109	32.2	24.4	36.6

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01

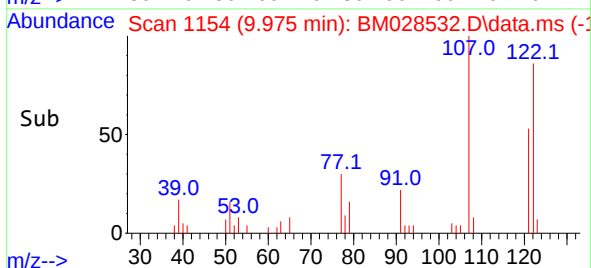
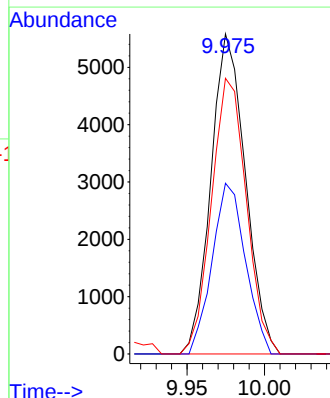
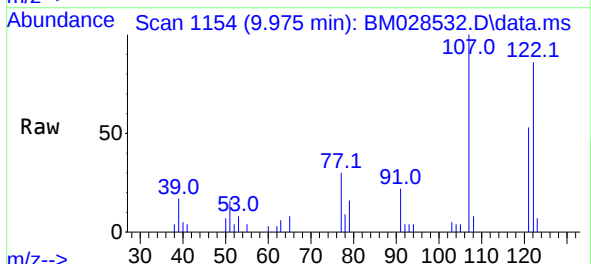
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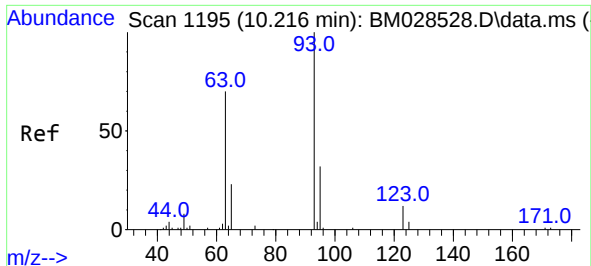
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#26
2,4-Dimethylphenol
Concen: 4.11 ng/ul
RT: 9.975 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:	107	Resp:	8644
Ion	Ratio	Lower	Upper
107	100		
121	53.3	40.6	60.8
122	86.1	66.3	99.5





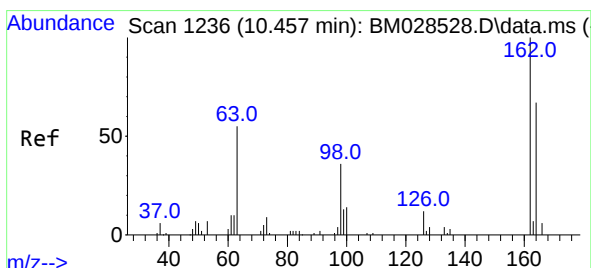
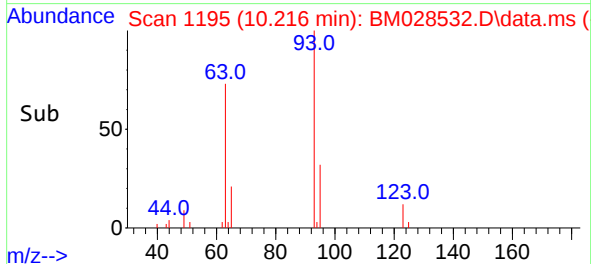
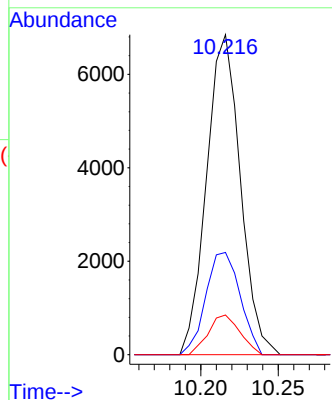
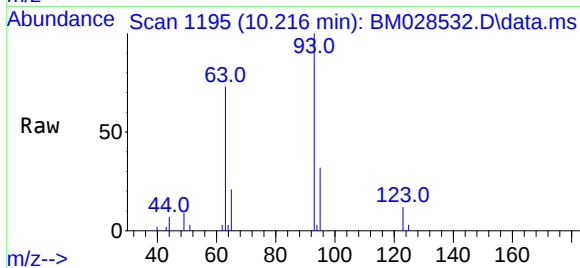
#27
 Bis(2-Chloroethoxy)methane
 Concen: 4.07 ng/ul
 RT: 10.216 min Scan# 1195
 Delta R.T. 0.000 min
 Lab File: BM028532.D
 Acq: 25 Jan 2021 16:54

Tgt Ion: 93	Resp: 10379
Ion Ratio	Lower Upper
93 100	
95 31.9	26.1 39.1
123 12.4	9.3 13.9

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT1-2021-01

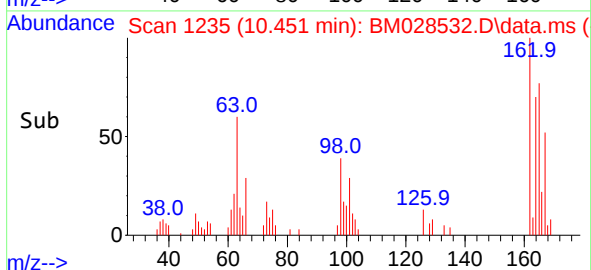
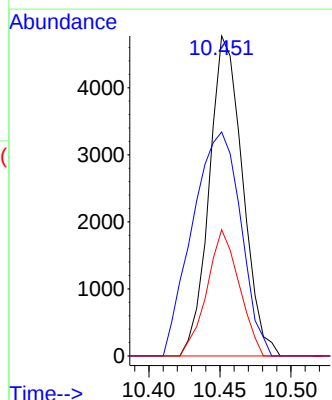
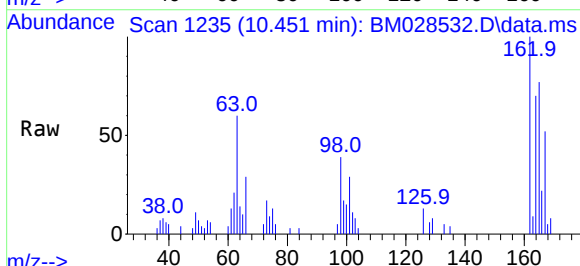
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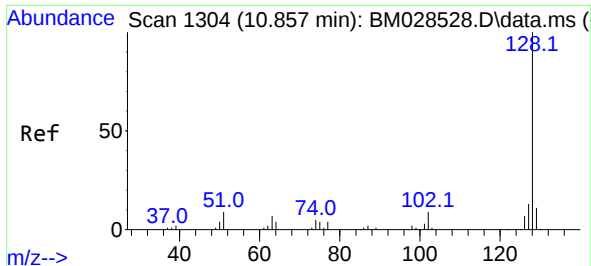
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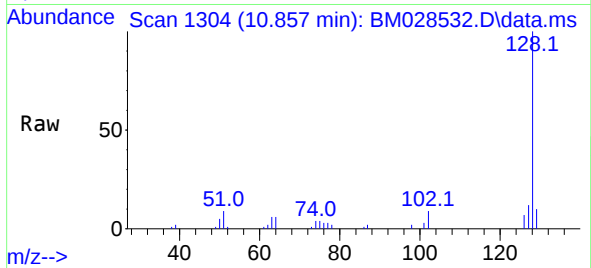
#29
 2,4-Dichlorophenol
 Concen: 4.34 ng/ul
 RT: 10.451 min Scan# 1235
 Delta R.T. -0.006 min
 Lab File: BM028532.D
 Acq: 25 Jan 2021 16:54

Tgt Ion: 162	Resp: 7787
Ion Ratio	Lower Upper
162 100	
164 70.0	51.9 77.9
98 39.4	30.1 45.1

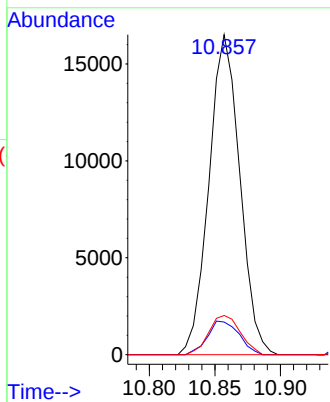
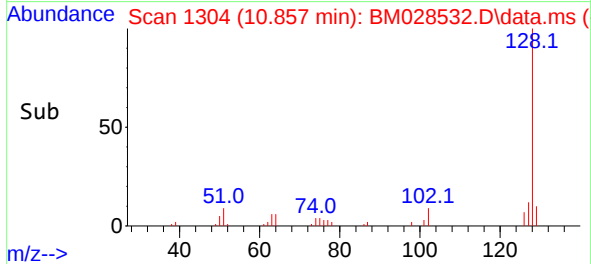




#30
Naphthalene
Concen: 4.23 ng/ul
RT: 10.857 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



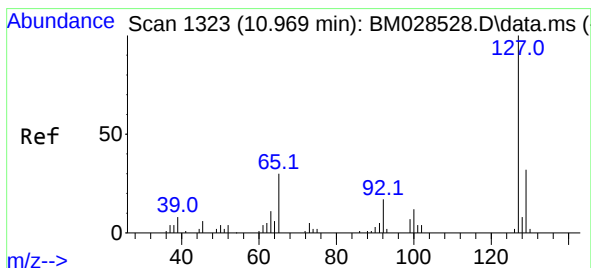
Tgt Ion:128 Resp: 27050
Ion Ratio Lower Upper
128 100
129 10.2 9.0 13.6
127 12.3 10.5 15.7



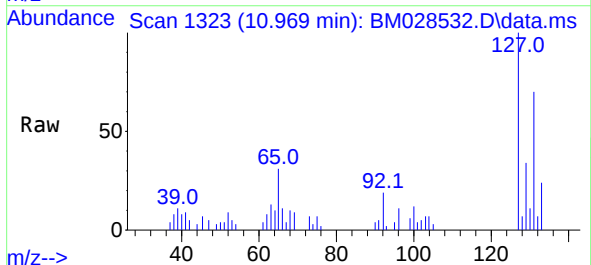
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01

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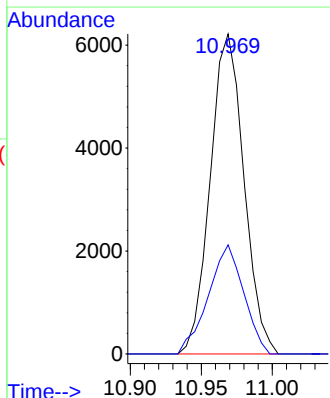
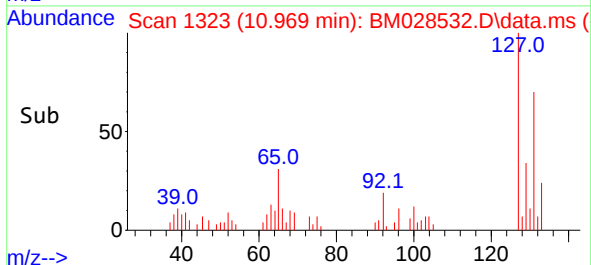
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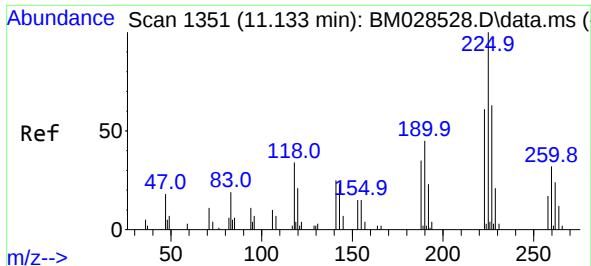


#32
4-Chloroaniline
Concen: 4.25 ng/ul
RT: 10.969 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



Tgt Ion:127 Resp: 10254
Ion Ratio Lower Upper
127 100
129 34.1 26.1 39.1





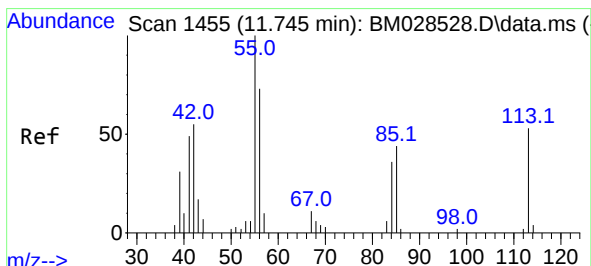
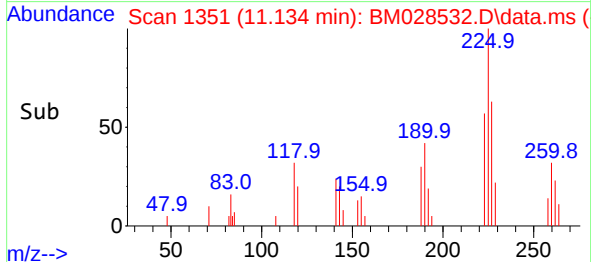
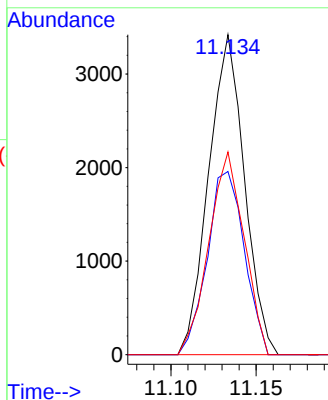
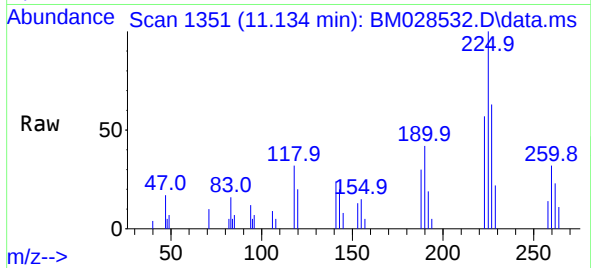
#33
Hexachlorobutadiene
Concen: 4.11 ng/ul
RT: 11.134 min Scan# 1351
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:	225	Resp:	5005
Ion Ratio	Lower	Upper	
225	100		
223	57.3	50.9	76.3
227	63.3	50.7	76.1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01

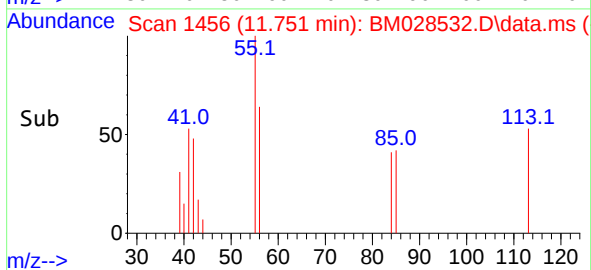
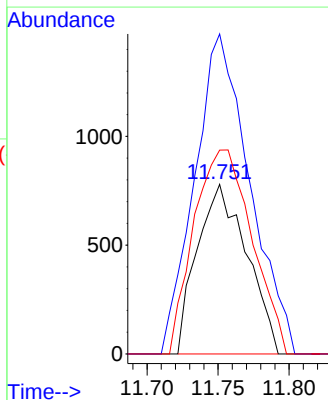
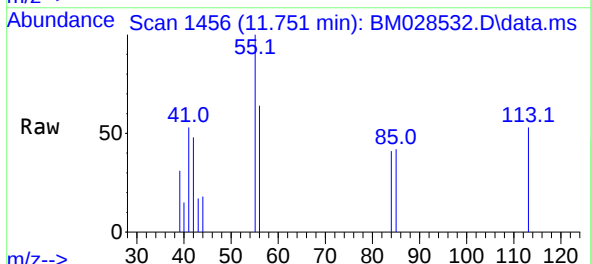
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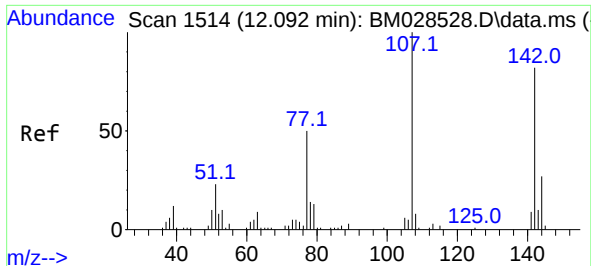
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#34
Caprolactam
Concen: 3.58 ng/ul
RT: 11.751 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

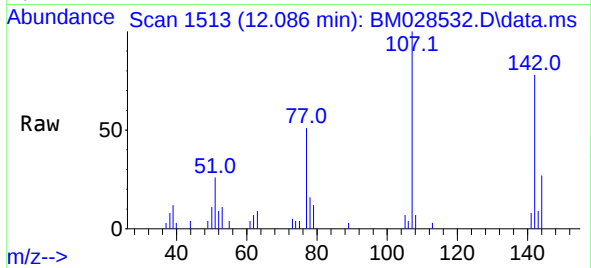
Tgt Ion:	113	Resp:	1891
Ion Ratio	Lower	Upper	
113	100		
55	188.6	146.2	219.2
56	120.1	110.6	165.8





#35
4-Chloro-3-methylphenol
Concen: 4.15 ng/ul
RT: 12.086 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

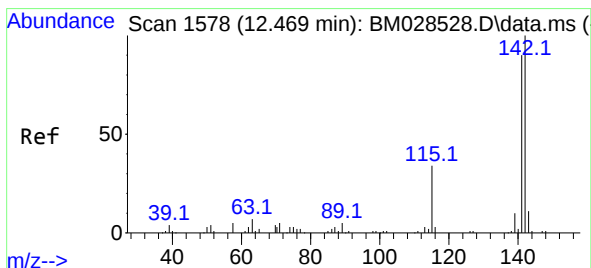
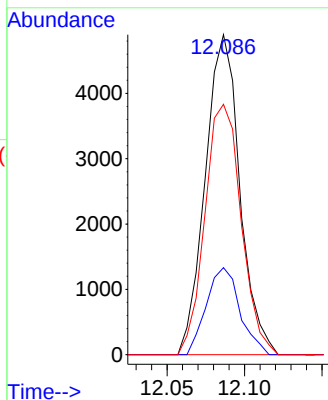
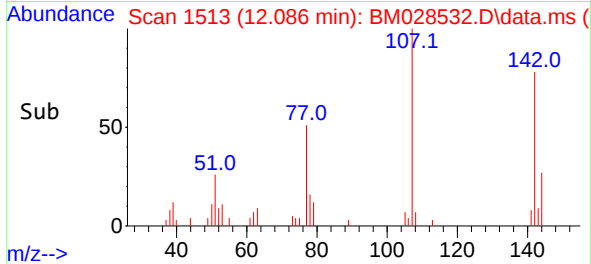
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01



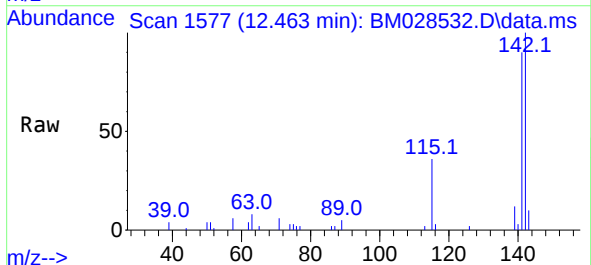
Tgt Ion:107 Resp: 7606
Ion Ratio Lower Upper
107 100
144 27.2 21.0 31.6
142 78.3 64.1 96.1

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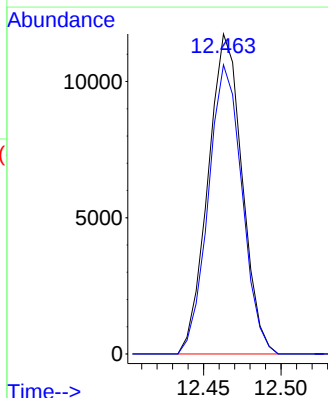
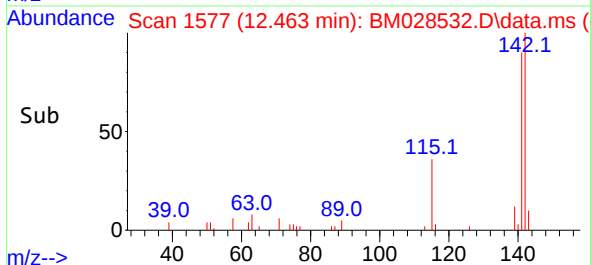
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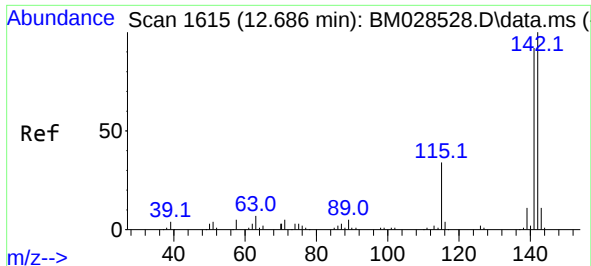


#36
2-Methylnaphthalene
Concen: 4.17 ng/ul
RT: 12.463 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



Tgt Ion:142 Resp: 17982
Ion Ratio Lower Upper
142 100
141 90.4 71.3 106.9





#37

1-Methylnaphthalene

Concen: 4.15 ng/ul

RT: 12.680 min Scan# 1614

Delta R.T. -0.006 min

Lab File: BM028532.D

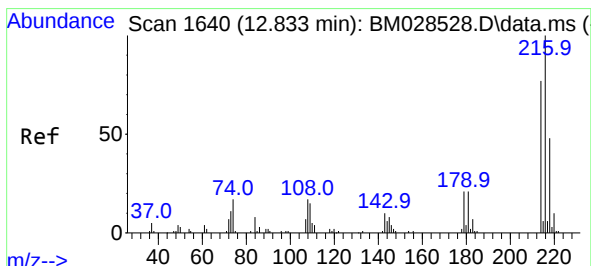
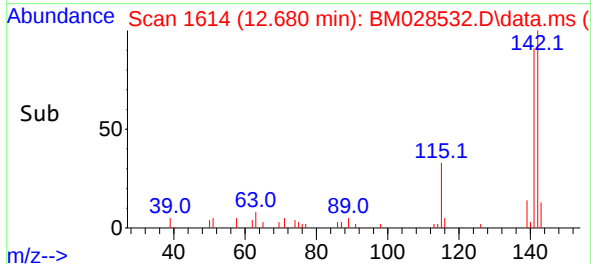
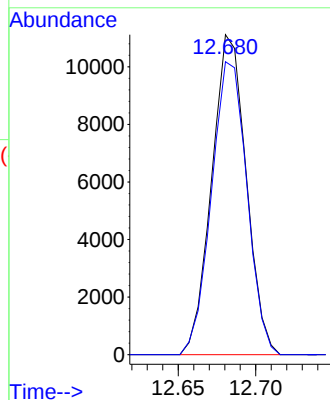
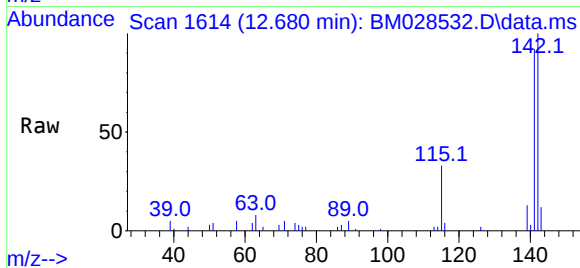
Acq: 25 Jan 2021 16:54

Tgt Ion:142 Resp: 17209

Ion Ratio Lower Upper

142 100

141 91.6 74.2 111.4



#39

1,2,4,5-Tetrachlorobenzene

Concen: 4.13 ng/ul

RT: 12.833 min Scan# 1640

Delta R.T. 0.000 min

Lab File: BM028532.D

Acq: 25 Jan 2021 16:54

Tgt Ion:216 Resp: 9109

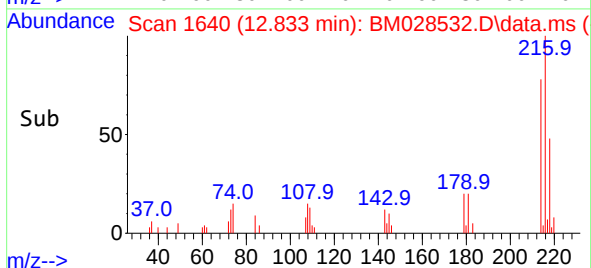
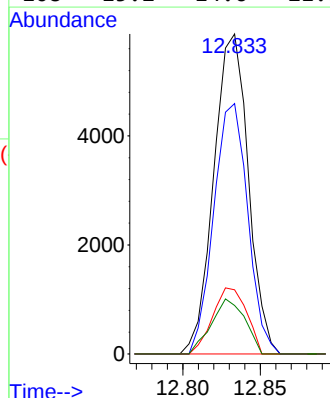
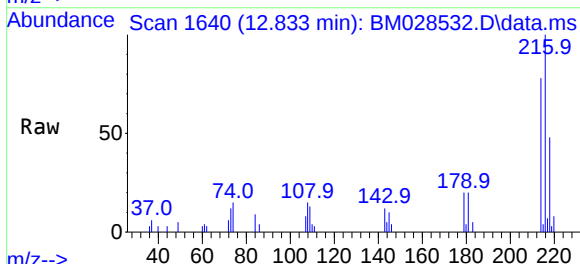
Ion Ratio Lower Upper

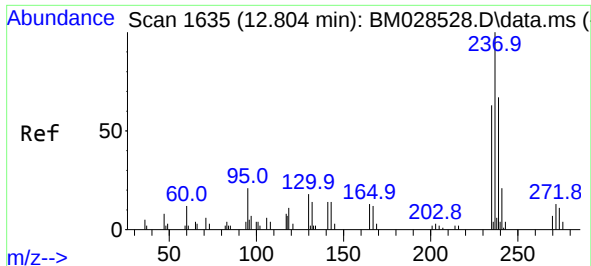
216 100

214 78.3 64.1 96.1

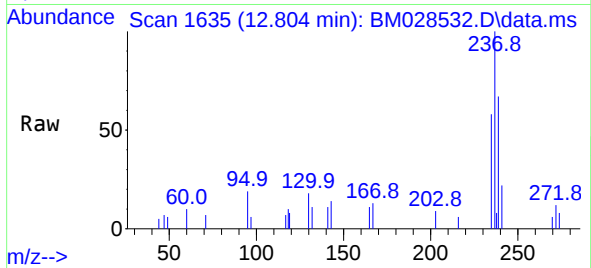
179 20.1 17.8 26.6

108 15.2 14.6 21.8

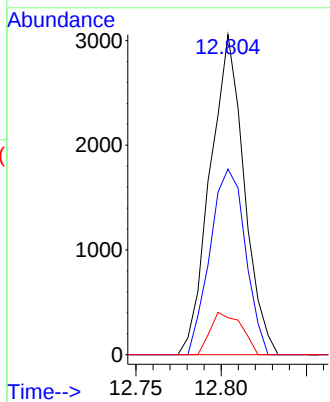
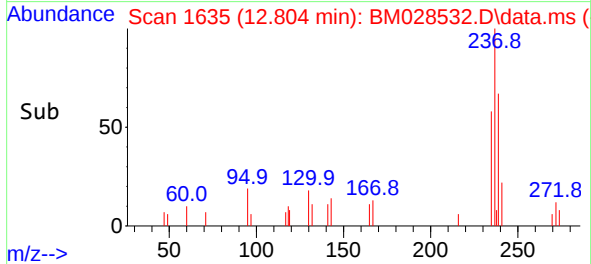




#40
Hexachlorocyclopentadiene
Concen: 3.74 ng/ul
RT: 12.804 min Scan# 1635
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



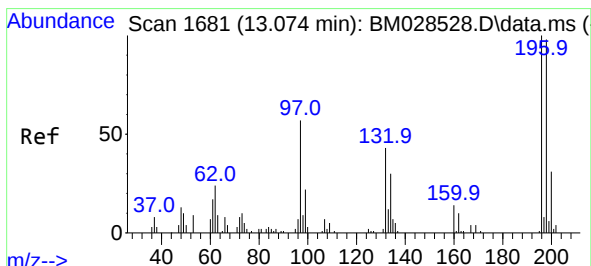
Tgt Ion:237 Resp: 4242
Ion Ratio Lower Upper
237 100
235 58.0 50.9 76.3
272 11.6 10.5 15.7



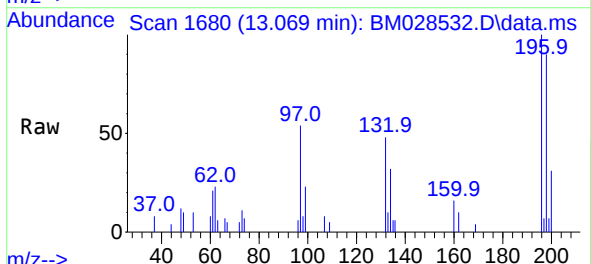
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01

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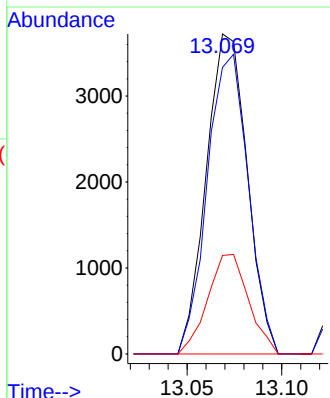
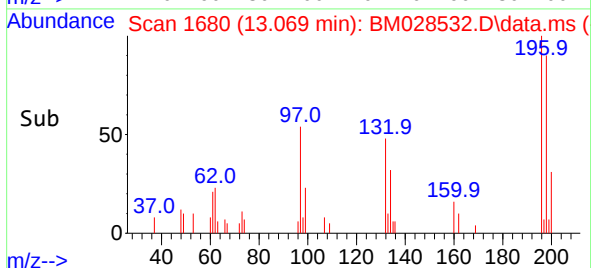
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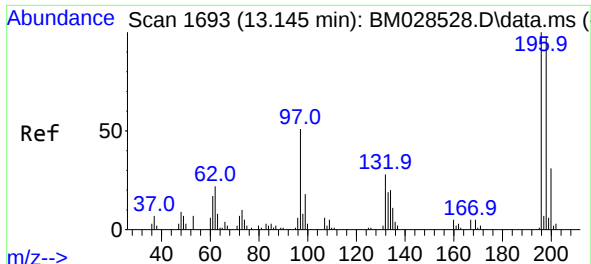


#41
2,4,6-Trichlorophenol
Concen: 4.06 ng/ul
RT: 13.069 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



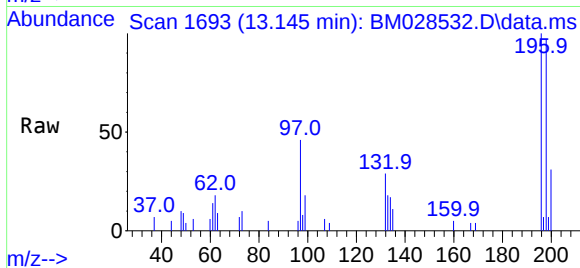
Tgt Ion:196 Resp: 5599
Ion Ratio Lower Upper
196 100
198 89.5 75.8 113.8
200 30.8 24.7 37.1





#42
2,4,5-Trichlorophenol
Concen: 3.88 ng/ul
RT: 13.145 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

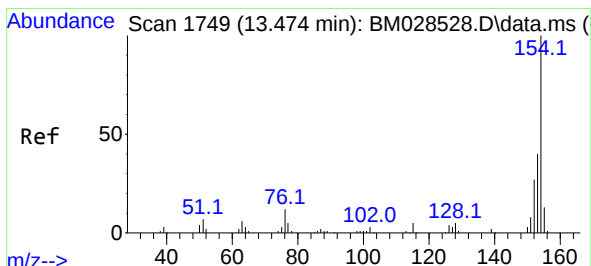
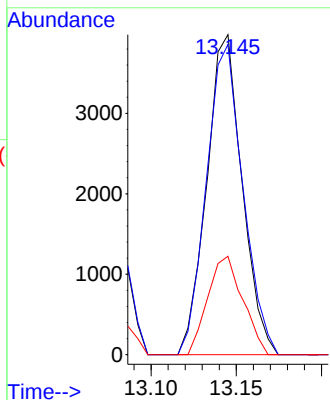
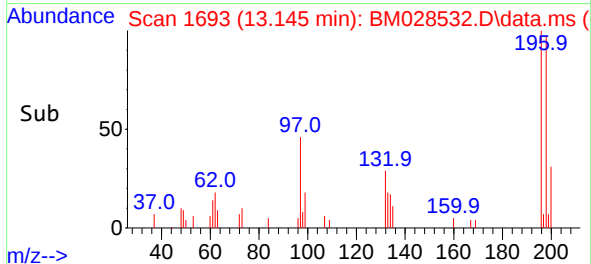
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01



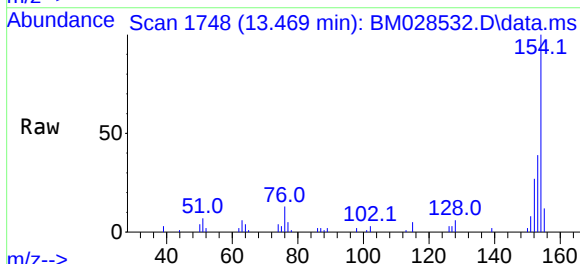
Tgt Ion:196 Resp: 5751
Ion Ratio Lower Upper
196 100
198 96.9 74.2 111.4
200 30.8 24.8 37.2

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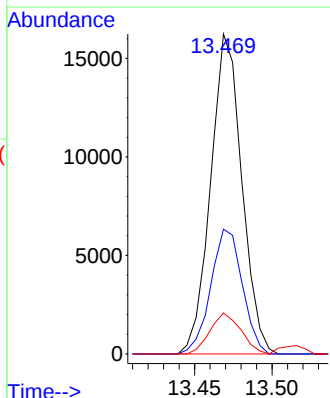
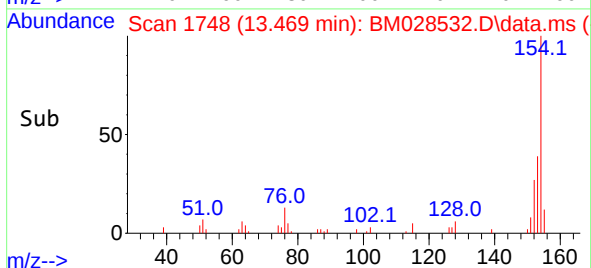
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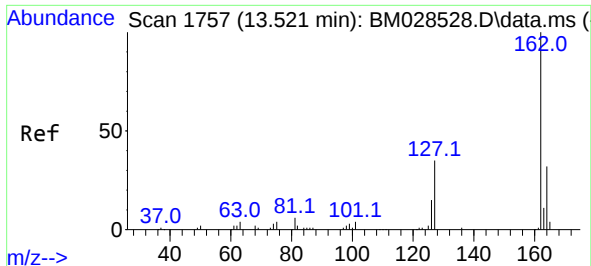


#43
1,1'-Biphenyl
Concen: 4.03 ng/ul
RT: 13.469 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



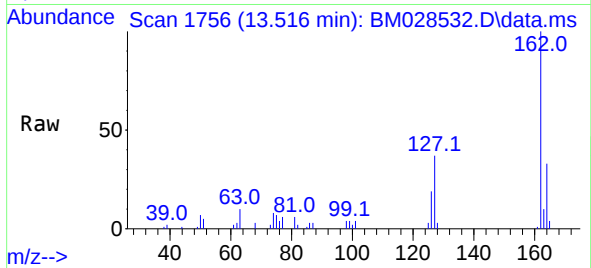
Tgt Ion:154 Resp: 22674
Ion Ratio Lower Upper
154 100
153 39.0 32.7 49.1
76 12.8 10.2 15.4





#44
2-Chloronaphthalene
Concen: 4.06 ng/ul
RT: 13.516 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

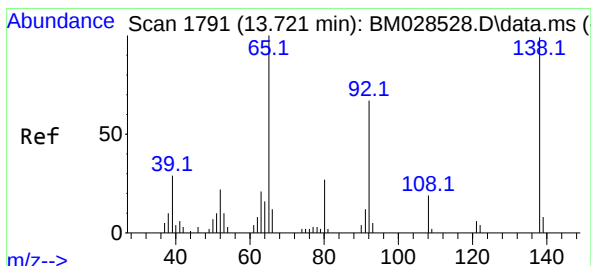
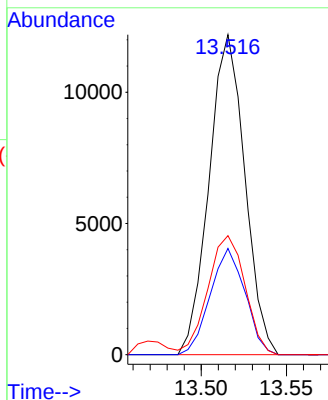
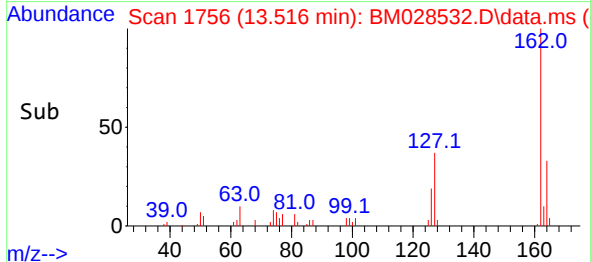
Instrument :
BNA_M
ClientSampleId :
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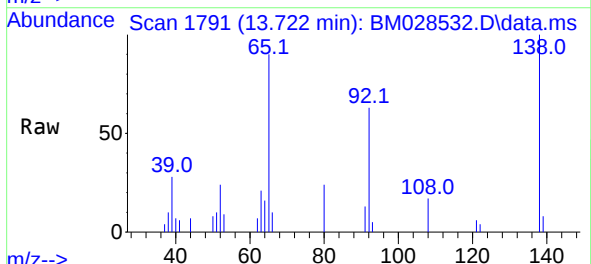
Tgt Ion:162 Resp: 17797
Ion Ratio Lower Upper
162 100
164 33.2 26.1 39.1
127 37.2 31.8 47.6

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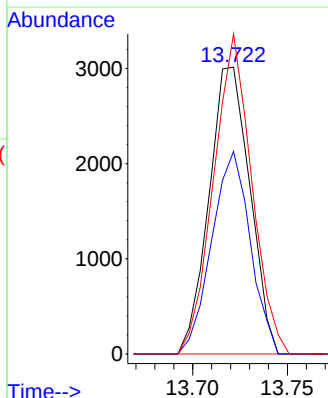
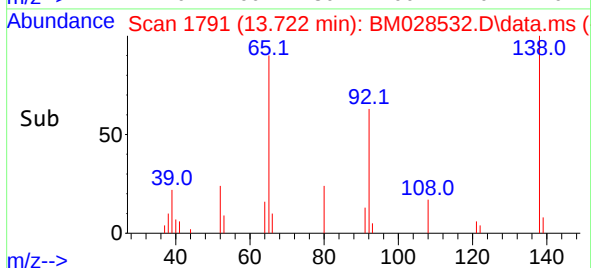
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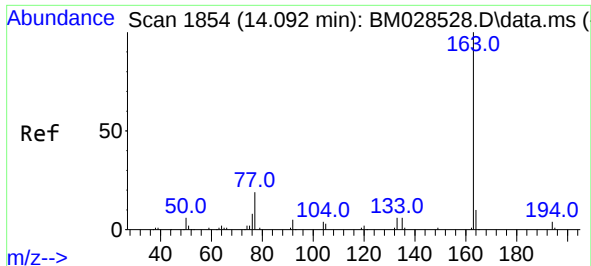


#45
2-Nitroaniline
Concen: 3.75 ng/ul
RT: 13.722 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



Tgt Ion: 65 Resp: 4530
Ion Ratio Lower Upper
65 100
92 70.6 51.2 76.8
138 111.6 80.2 120.2





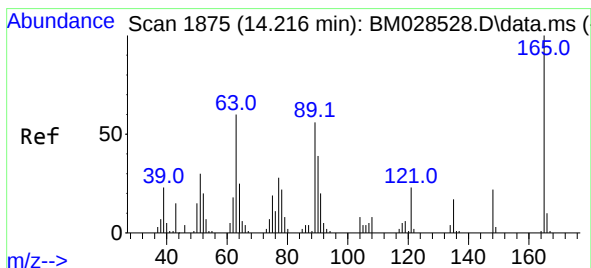
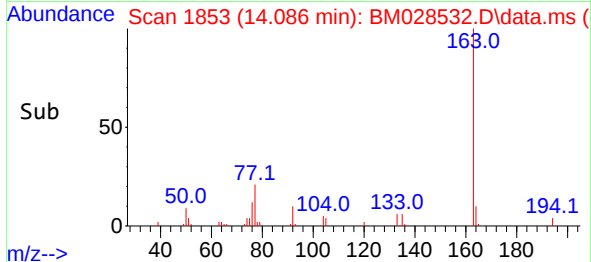
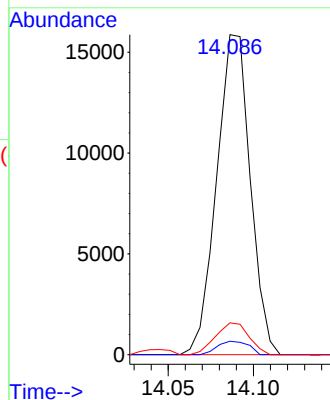
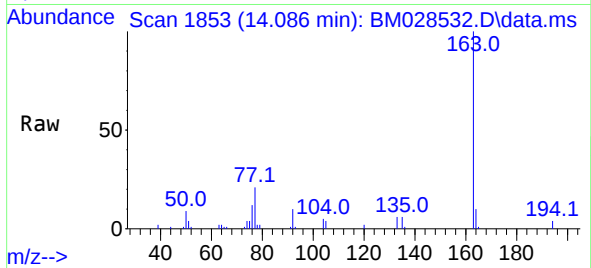
#47
Dimethylphthalate
Concen: 4.14 ng/ul
RT: 14.086 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:163 Resp: 21810
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.0 8.7 13.1

Instrument :
BNA_M
ClientSampleId :
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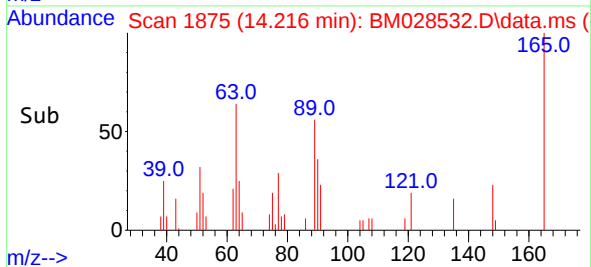
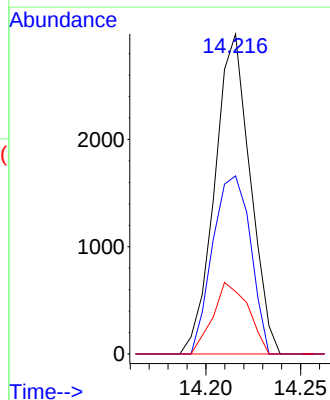
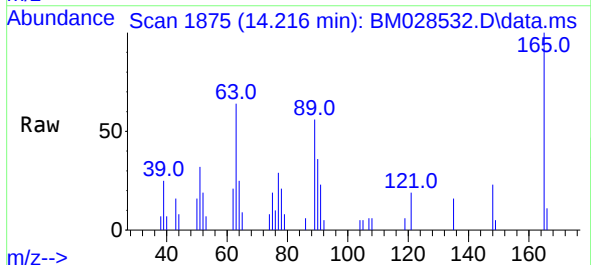
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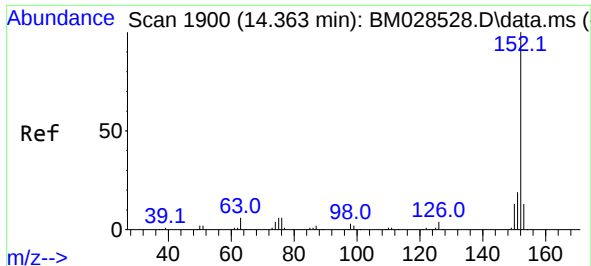
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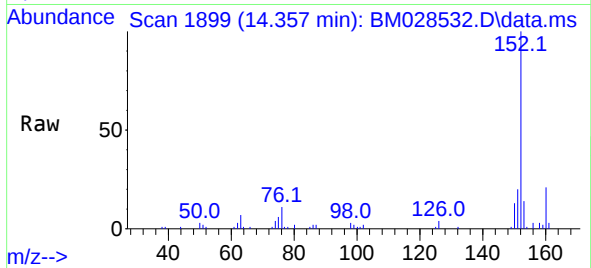
#48
2,6-Dinitrotoluene
Concen: 3.73 ng/ul
RT: 14.216 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:165 Resp: 3882
Ion Ratio Lower Upper
165 100
89 55.7 46.3 69.5
121 19.5 17.4 26.2

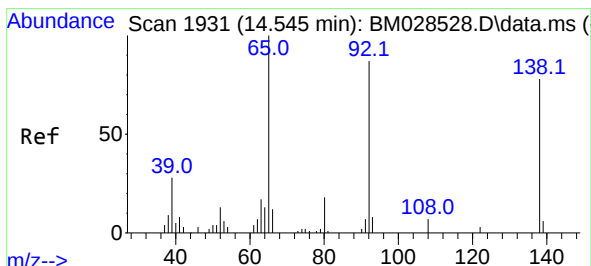
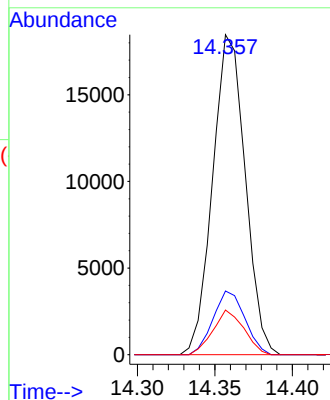
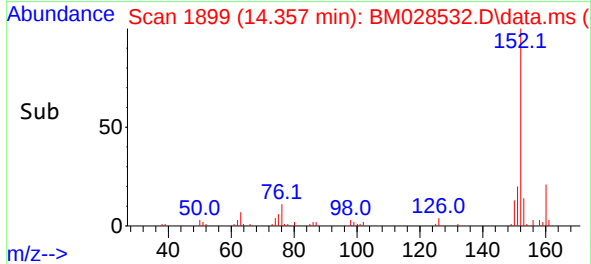




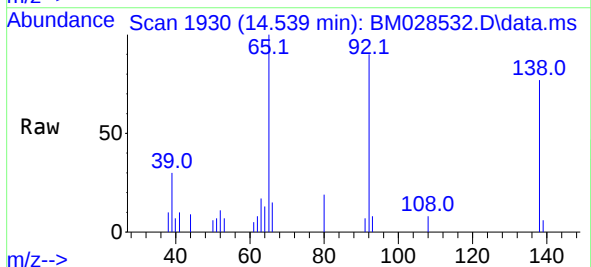
#50
Acenaphthylene
Concen: 4.21 ng/ul
RT: 14.357 min Scan# 1899
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



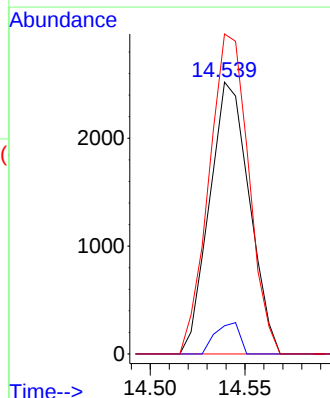
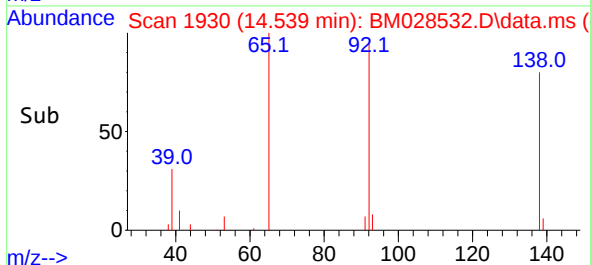
Tgt Ion:152 Resp: 26979
Ion Ratio Lower Upper
152 100
151 19.9 15.4 23.2
153 13.9 10.2 15.4



#51
3-Nitroaniline
Concen: 3.90 ng/ul
RT: 14.539 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



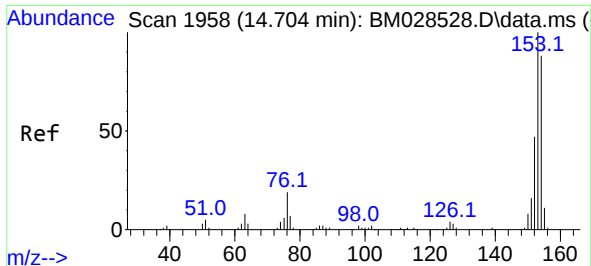
Tgt Ion:138 Resp: 3697
Ion Ratio Lower Upper
138 100
108 10.4 8.2 12.4
92 117.7 92.8 139.2



Instrument :
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ClientSampleId :
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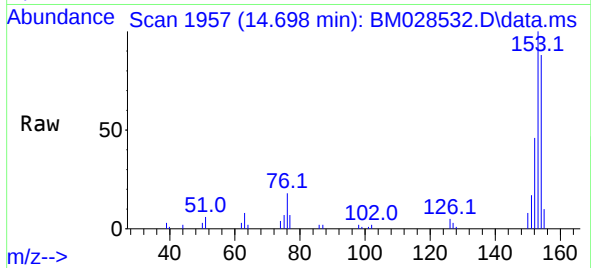
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#52
Acenaphthene
Concen: 4.15 ng/ul
RT: 14.698 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

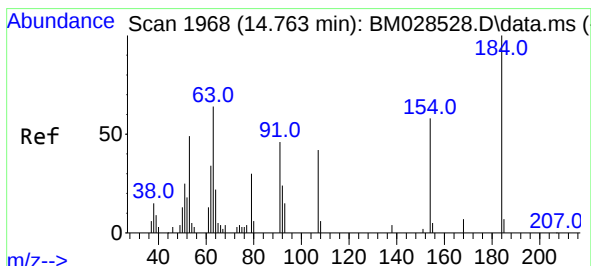
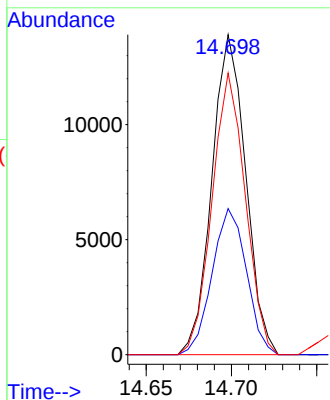
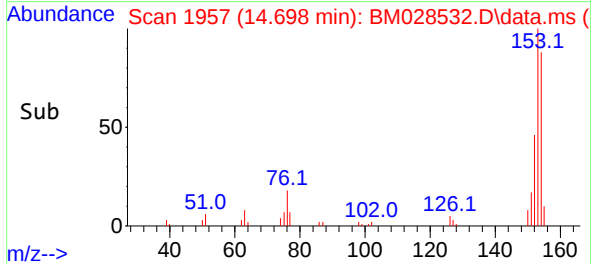
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01



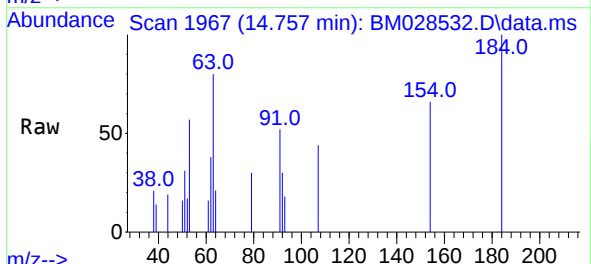
Tgt Ion:153 Resp: 19180
Ion Ratio Lower Upper
153 100
152 45.7 37.5 56.3
154 88.0 69.1 103.7

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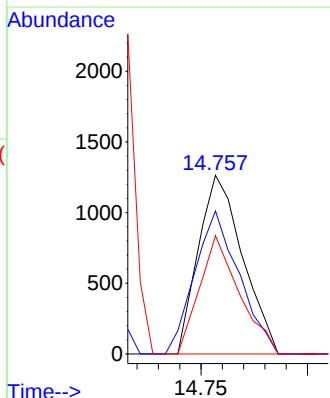
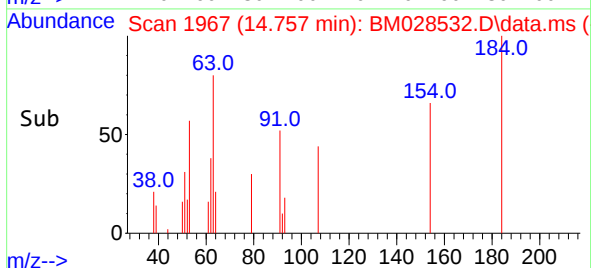
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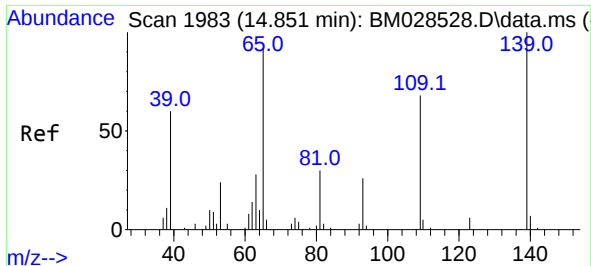


#53
2,4-Dinitrophenol
Concen: 3.20 ng/ul
RT: 14.757 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

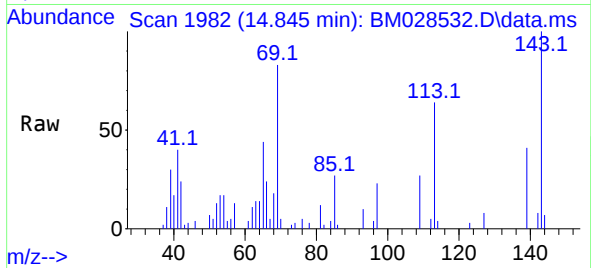


Tgt Ion:184 Resp: 1822
Ion Ratio Lower Upper
184 100
63 80.0 61.0 91.4
154 66.2 49.2 73.8

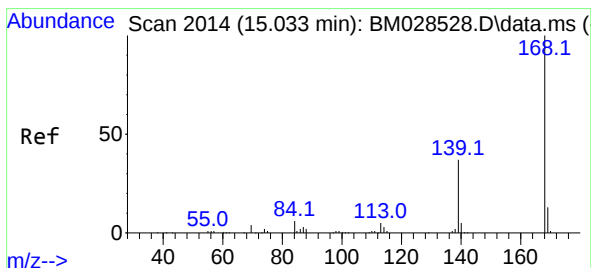
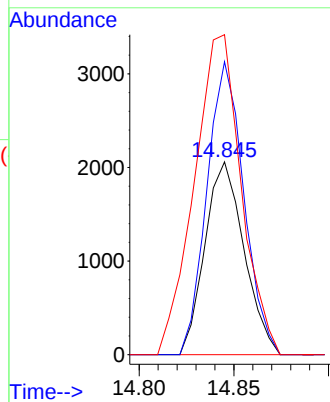
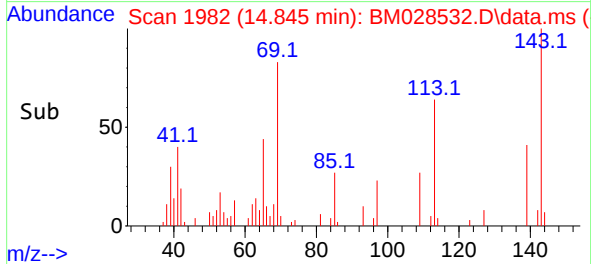




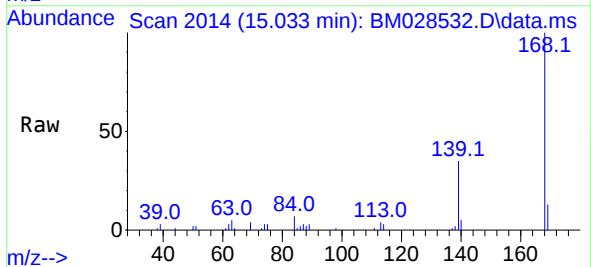
#55
4-Nitrophenol
Concen: 4.10 ng/ul
RT: 14.845 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



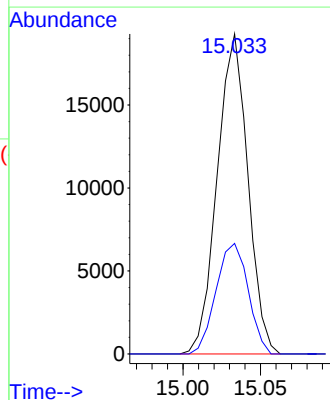
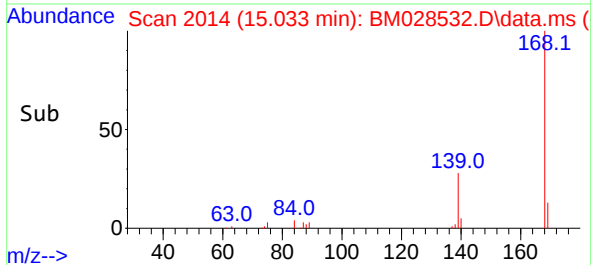
Tgt Ion:109 Resp: 2960
Ion Ratio Lower Upper
109 100
139 151.9 103.4 155.2
65 165.9 104.9 157.3#



#56
Dibenzofuran
Concen: 4.28 ng/ul
RT: 15.033 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



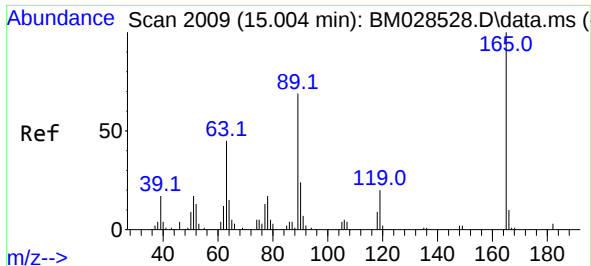
Tgt Ion:168 Resp: 26485
Ion Ratio Lower Upper
168 100
139 34.5 29.8 44.6



Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01

Manual Integrations
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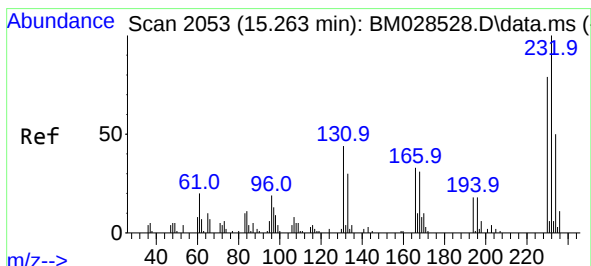
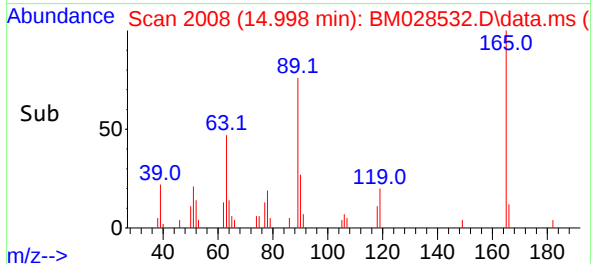
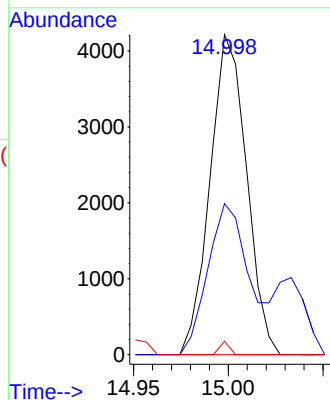
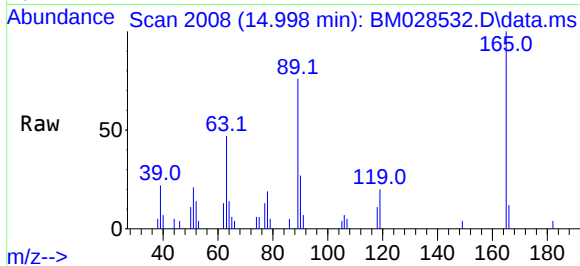
#57
2,4-Dinitrotoluene
Concen: 4.03 ng/ul
RT: 14.998 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:165 Resp: 5654
Ion Ratio Lower Upper
165 100
63 47.2 39.3 58.9
182 4.2 2.2 3.4#

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01

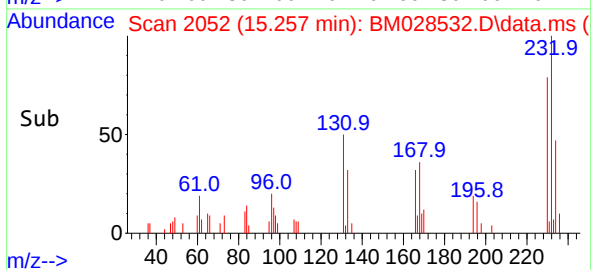
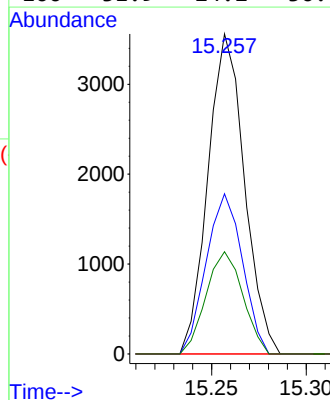
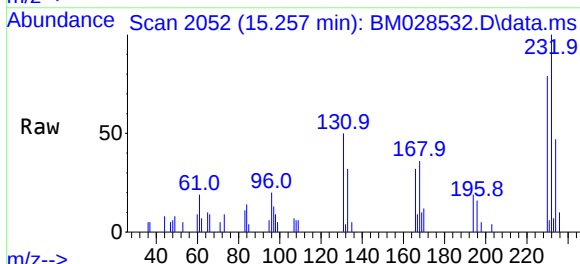
Manual Integrations
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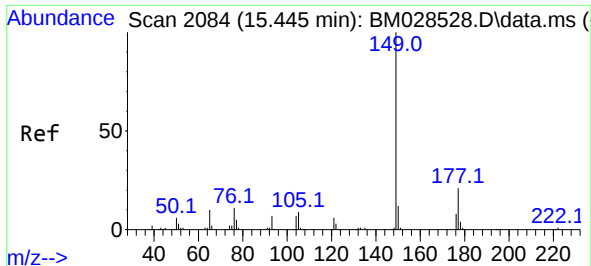
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#58
2,3,4,6-Tetrachlorophenol
Concen: 3.96 ng/ul
RT: 15.257 min Scan# 2052
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

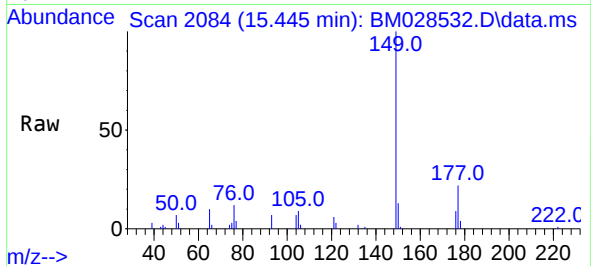
Tgt Ion:232 Resp: 4771
Ion Ratio Lower Upper
232 100
131 50.0 38.6 57.8
130 0.0 2.1 3.1#
166 31.9 24.2 36.4





#59
Diethylphthalate
Concen: 3.93 ng/ul
RT: 15.445 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

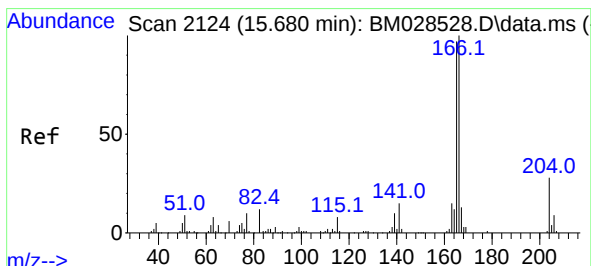
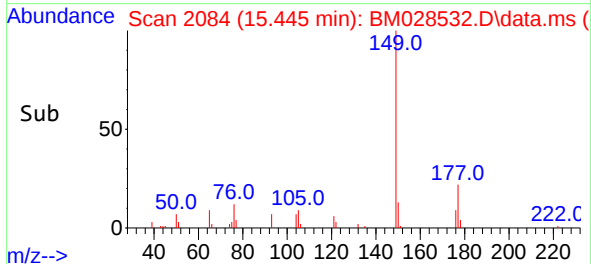
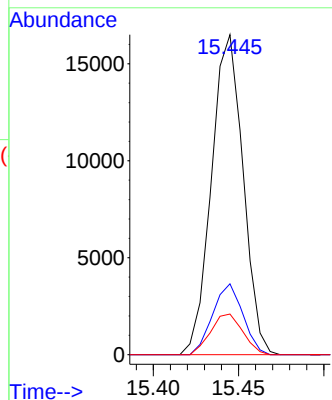
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01



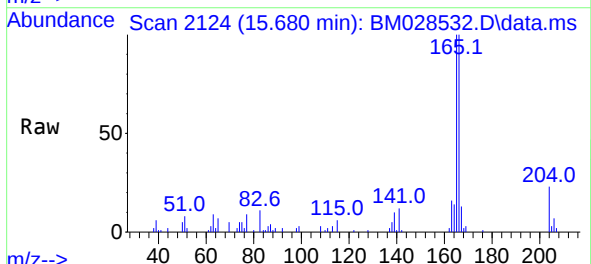
Tgt Ion:	149	Resp:	21328
Ion Ratio	Lower	Upper	
149	100		
177	22.2	16.9	25.3
150	12.7	9.9	14.9

Manual Integrations
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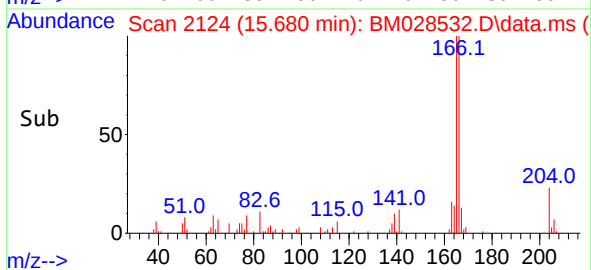
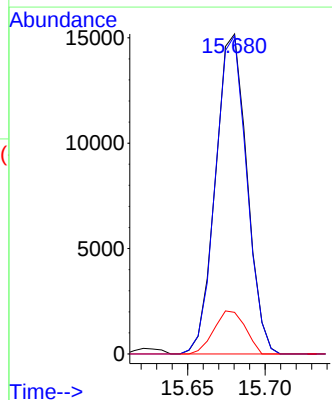
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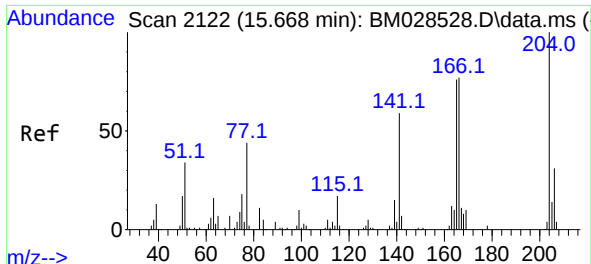


#61
Fluorene
Concen: 4.15 ng/ul
RT: 15.680 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



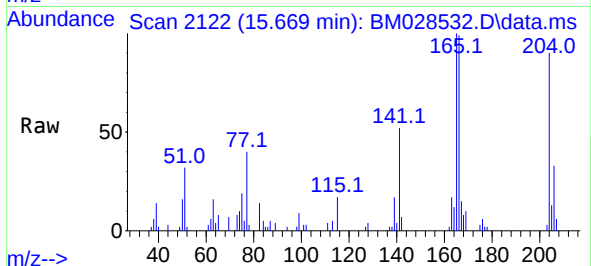
Tgt Ion:	166	Resp:	21406
Ion Ratio	Lower	Upper	
166	100		
165	99.5	77.0	115.4
167	13.0	10.6	16.0





#62
4-Chlorophenyl-phenylether
Concen: 4.15 ng/ul
RT: 15.669 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

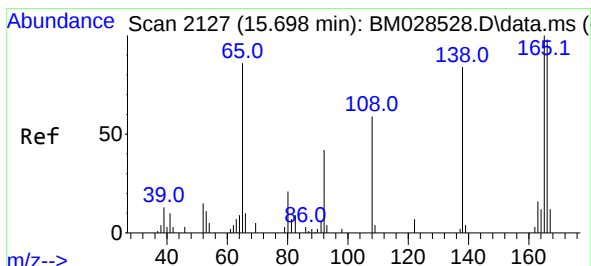
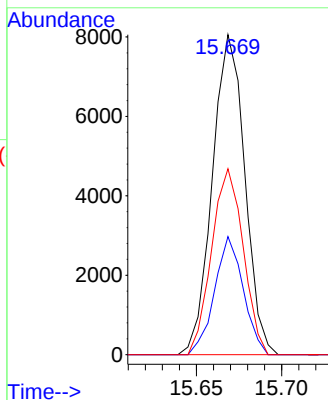
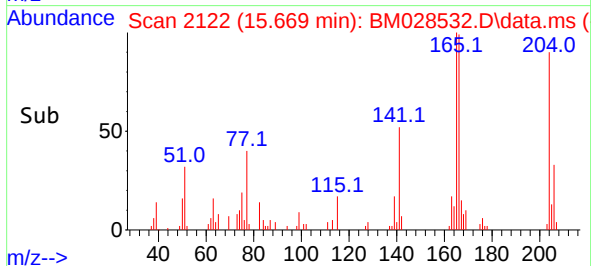
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01



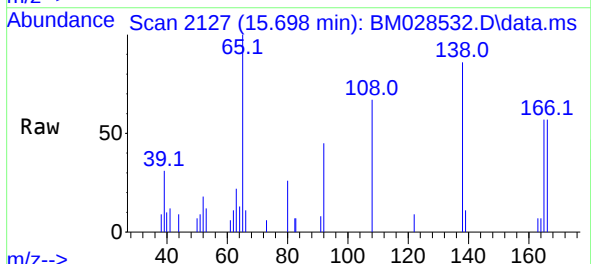
Tgt Ion:204 Resp: 10667
Ion Ratio Lower Upper
204 100
206 36.9 25.9 38.9
141 58.1 49.0 73.4

Manual Integrations
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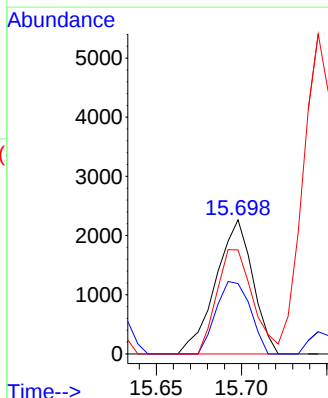
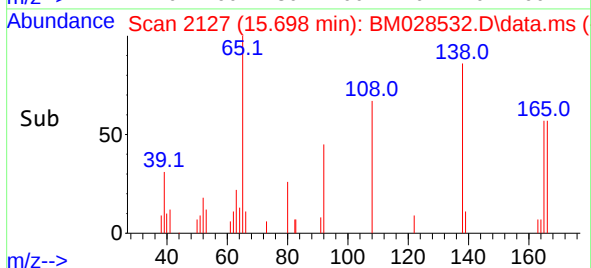
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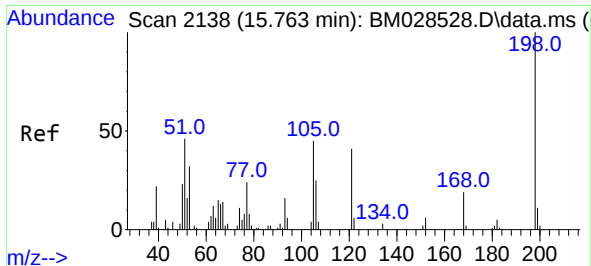


#63
4-Nitroaniline
Concen: 4.16 ng/ul
RT: 15.698 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

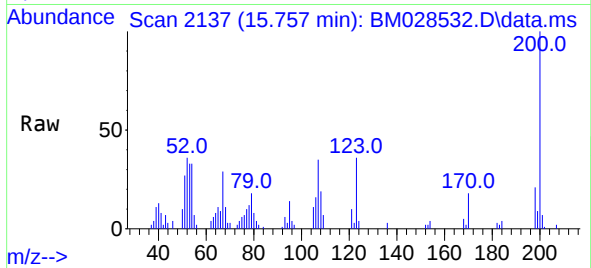


Tgt Ion:138 Resp: 3433
Ion Ratio Lower Upper
138 100
92 52.5 39.8 59.8
108 77.6 60.6 91.0

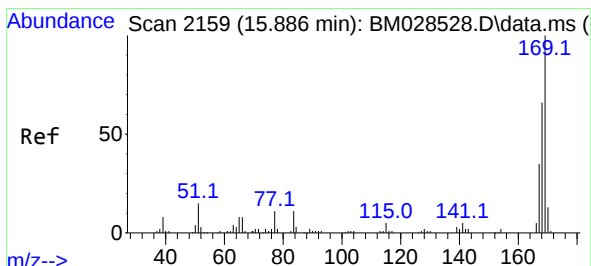
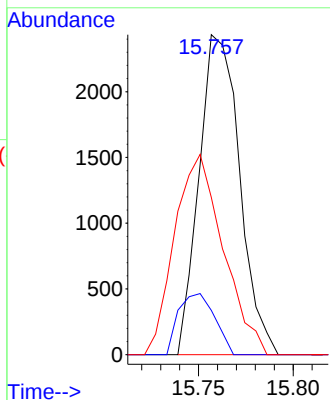
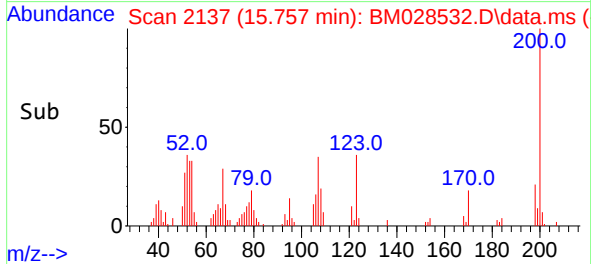




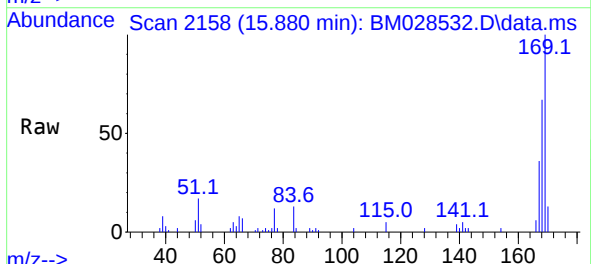
#66
4,6-Dinitro-2-methylphenol
Concen: 4.06 ng/ul
RT: 15.757 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



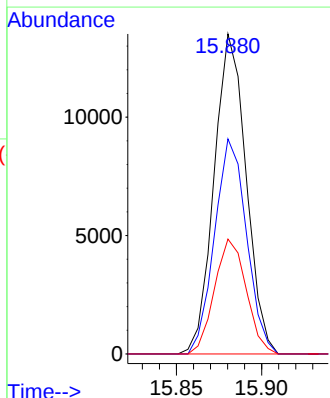
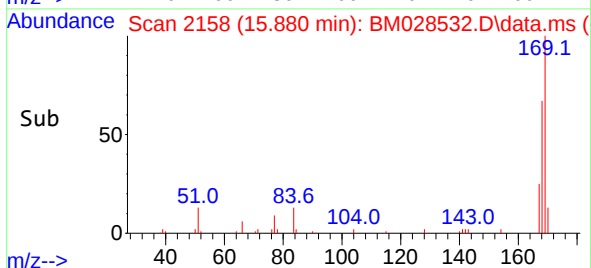
Tgt Ion:198 Resp: 3623
Ion Ratio Lower Upper
198 100
182 13.8 3.3 4.9#
77 49.1 20.6 31.0#



#67
N-Nitrosodiphenylamine
Concen: 4.05 ng/ul
RT: 15.880 min Scan# 2158
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



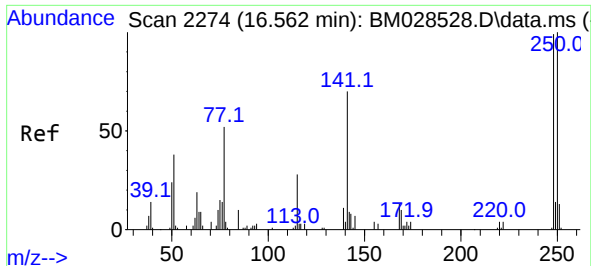
Tgt Ion:169 Resp: 17646
Ion Ratio Lower Upper
169 100
168 67.2 53.5 80.3
167 35.9 28.2 42.2



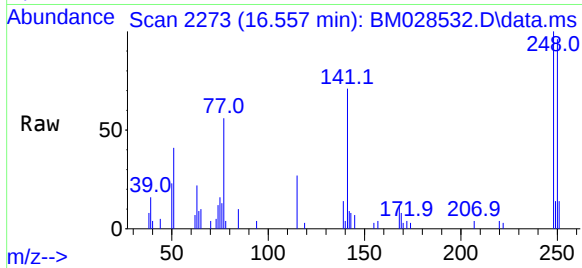
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01

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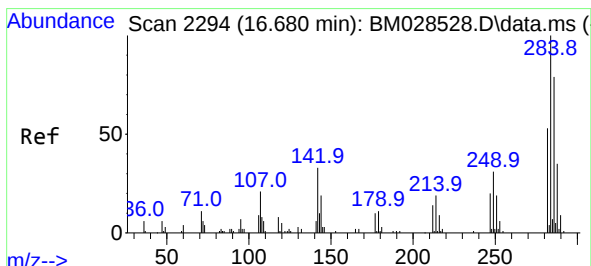
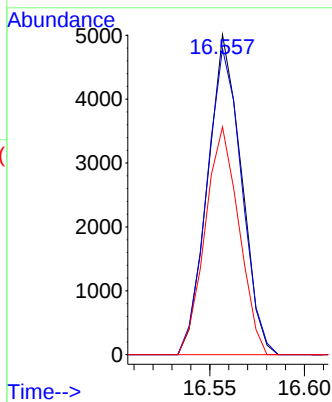
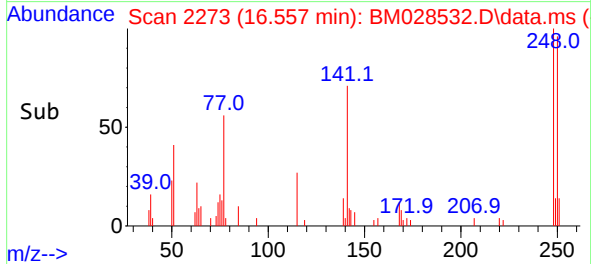
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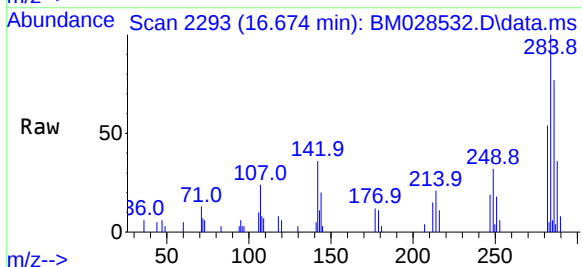
#68
4-Bromophenyl-phenylether
Concen: 3.94 ng/ul
RT: 16.557 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



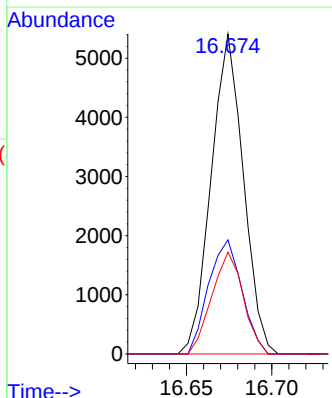
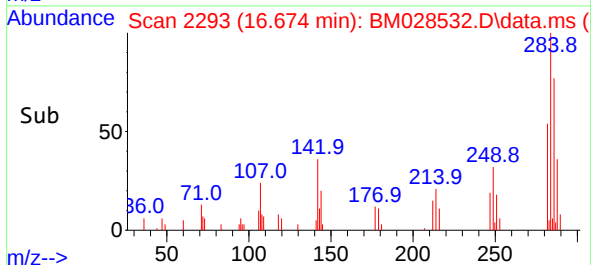
Tgt Ion:248 Resp: 6206
Ion Ratio Lower Upper
248 100
250 95.6 77.9 116.9
141 71.1 60.6 90.8



#69
Hexachlorobenzene
Concen: 3.98 ng/ul
RT: 16.674 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



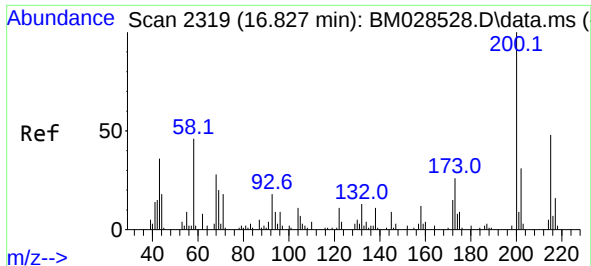
Tgt Ion:284 Resp: 7113
Ion Ratio Lower Upper
284 100
142 35.6 28.1 42.1
249 31.8 23.4 35.2



Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01

Manual Integrations
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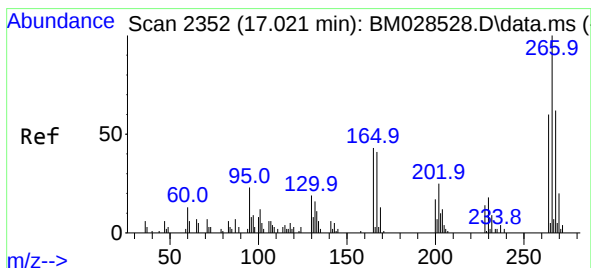
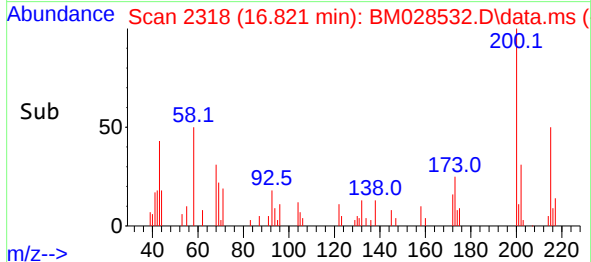
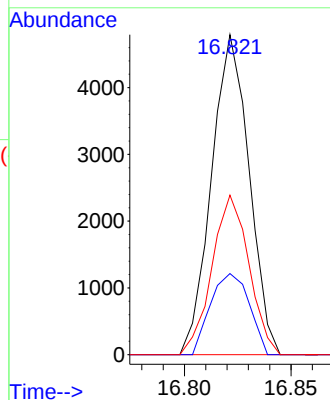
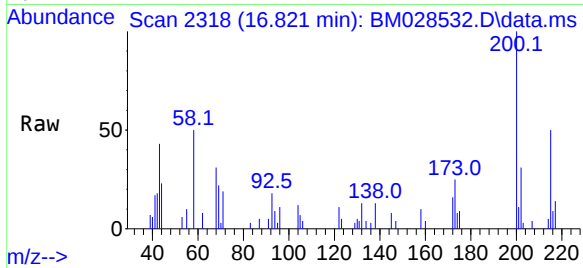
#70
Atrazine
Concen: 3.65 ng/ul
RT: 16.821 min Scan# 2318
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:	200	Resp:	5880
Ion Ratio	Lower	Upper	
200	100		
173	25.3	21.5	32.3
215	49.9	37.9	56.9

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01

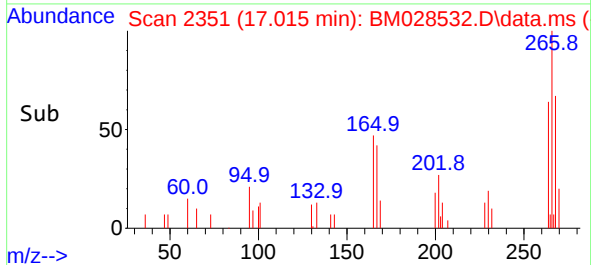
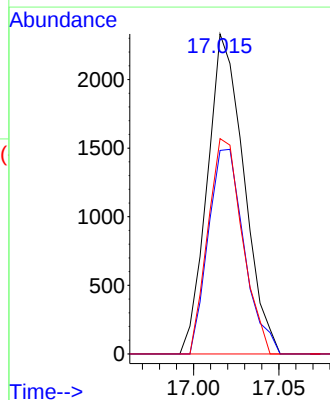
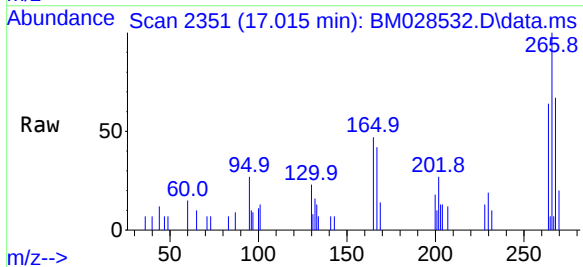
Manual Integrations
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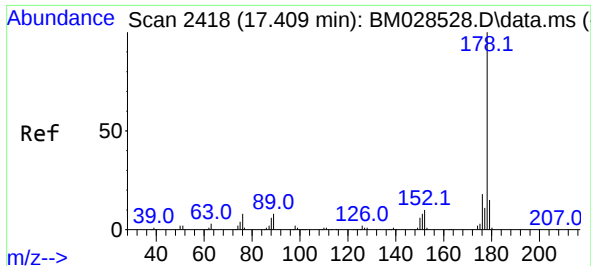
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#71
Pentachlorophenol
Concen: 3.45 ng/ul
RT: 17.015 min Scan# 2351
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

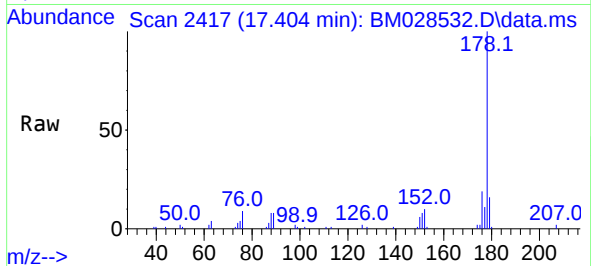
Tgt Ion:	266	Resp:	3480
Ion Ratio	Lower	Upper	
266	100		
264	63.6	49.5	74.3
268	67.3	50.6	76.0





#72
Phenanthrene
Concen: 4.21 ng/ul
RT: 17.404 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

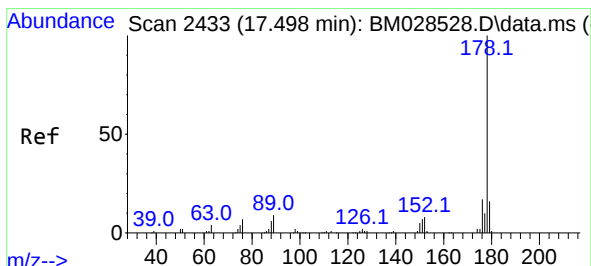
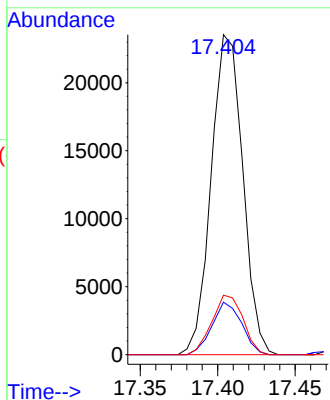
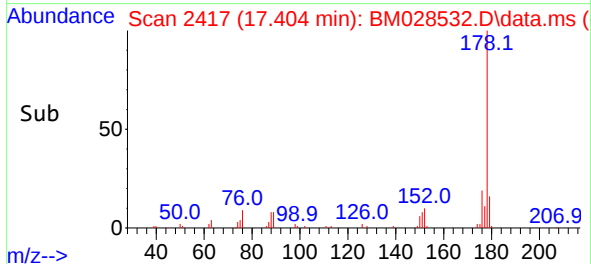
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01



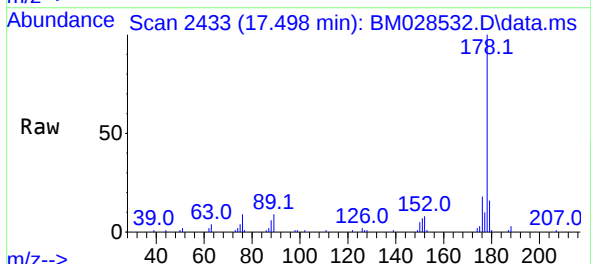
Tgt Ion:178 Resp: 33351
Ion Ratio Lower Upper
178 100
179 16.4 12.3 18.5
176 18.6 14.8 22.2

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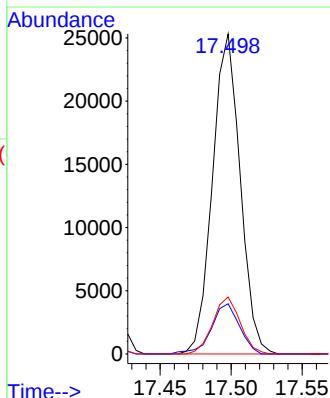
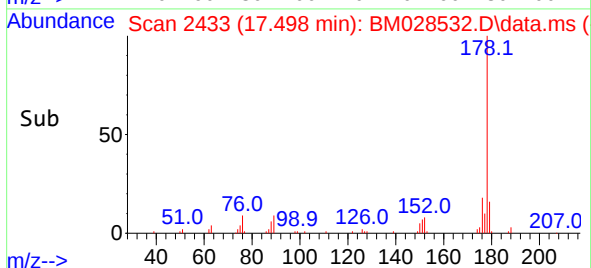
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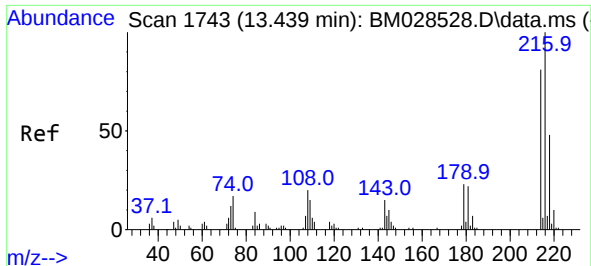


#74
Anthracene
Concen: 4.26 ng/ul
RT: 17.498 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

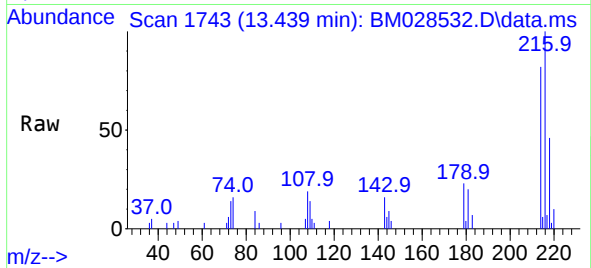


Tgt Ion:178 Resp: 34277
Ion Ratio Lower Upper
178 100
179 15.7 12.2 18.4
176 17.8 14.3 21.5

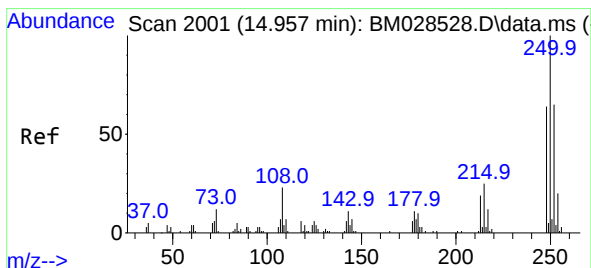
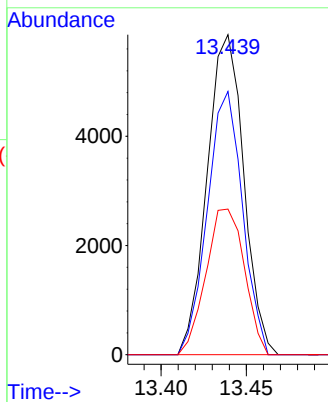
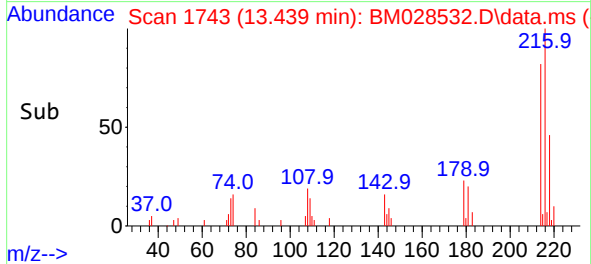




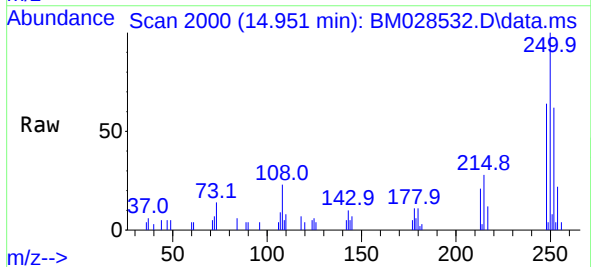
#75
1,2,3,4-Tetrachlorobenzene
Concen: 3.95 ng/uL
RT: 13.439 min Scan# 1743
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



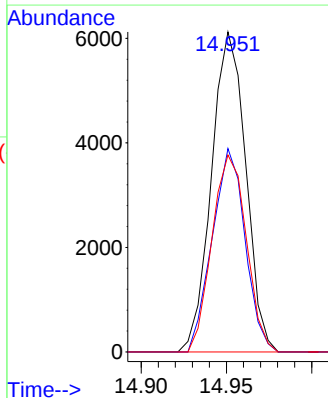
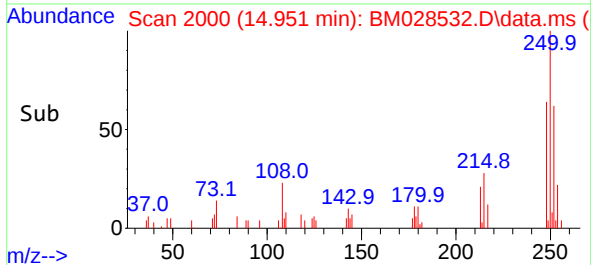
Tgt Ion:216 Resp: 8763
Ion Ratio Lower Upper
216 100
214 82.3 62.6 93.8
218 45.5 38.7 58.1



#76
Pentachlorobenzene
Concen: 3.94 ng/uL
RT: 14.951 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



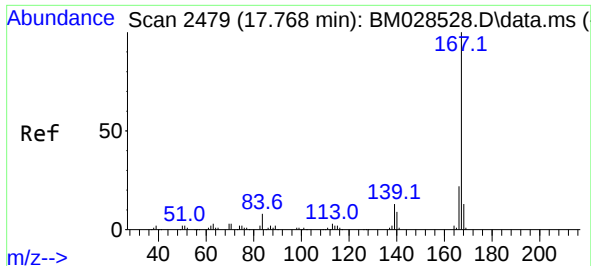
Tgt Ion:250 Resp: 8562
Ion Ratio Lower Upper
250 100
248 63.5 51.2 76.8
252 61.6 49.6 74.4



Instrument :
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ClientSampleId :
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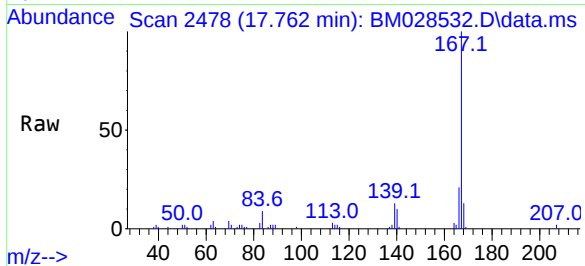
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#77
 Carbazole
 Concen: 4.30 ng/ul
 RT: 17.762 min Scan# 2478
 Delta R.T. -0.006 min
 Lab File: BM028532.D
 Acq: 25 Jan 2021 16:54

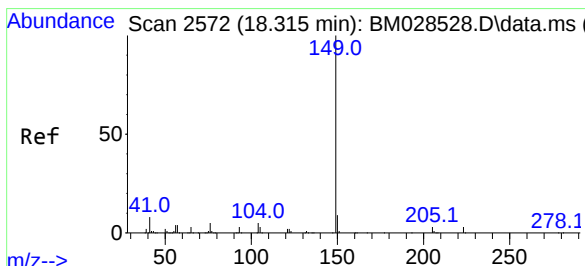
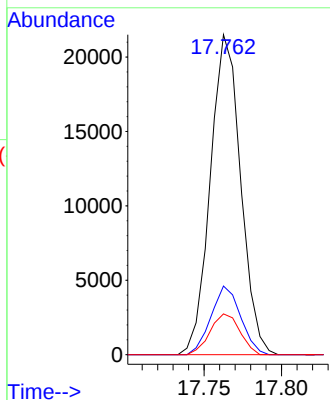
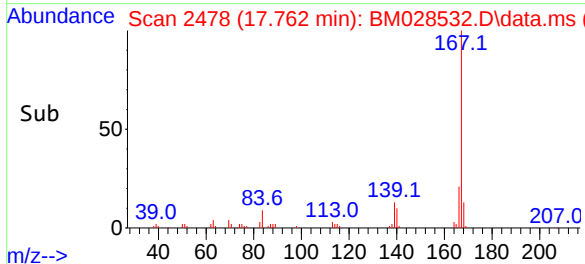
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT1-2021-01



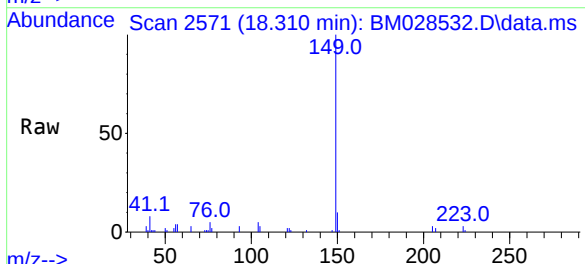
Tgt Ion:167	Resp:	29286
Ion Ratio	Lower	Upper
167	100	
166	21.4	17.1 25.7
139	12.8	10.1 15.1

Manual Integrations
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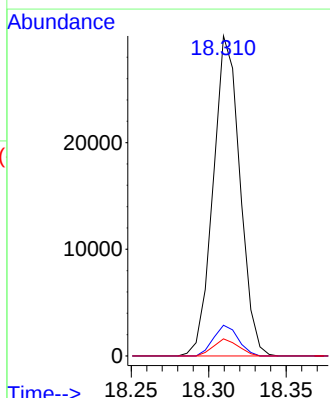
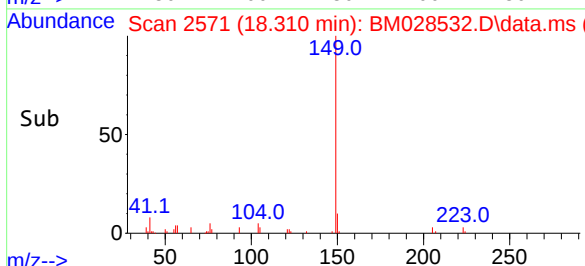
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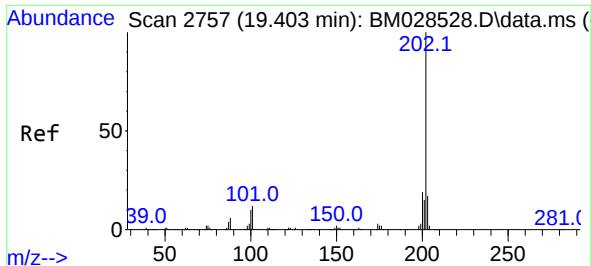


#78
 Di-n-butylphthalate
 Concen: 3.83 ng/ul
 RT: 18.310 min Scan# 2571
 Delta R.T. -0.006 min
 Lab File: BM028532.D
 Acq: 25 Jan 2021 16:54



Tgt Ion:149	Resp:	35989
Ion Ratio	Lower	Upper
149	100	
150	9.6	7.2 10.8
104	5.4	4.2 6.2





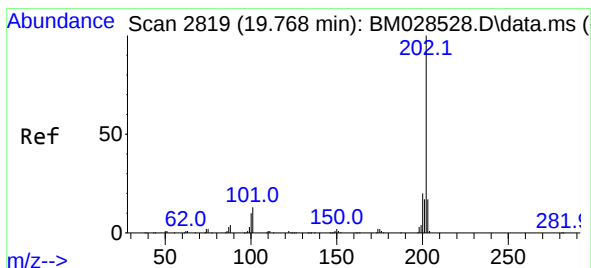
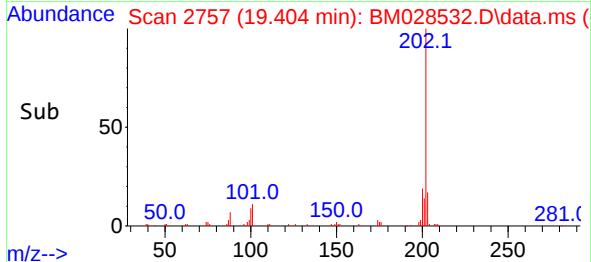
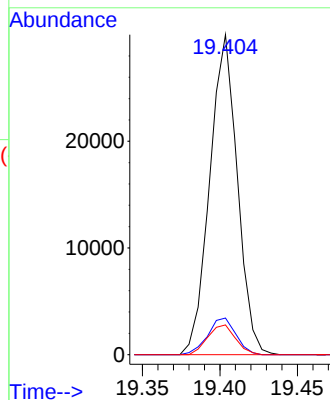
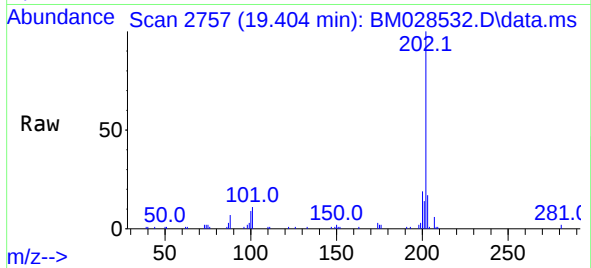
#80
Fluoranthene
Concen: 3.90 ng/ul
RT: 19.404 min Scan# 2757
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:	202	Resp:	37202
Ion Ratio	Lower	Upper	
202	100		
101	11.5	9.3	13.9
100	9.3	7.4	11.2

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01

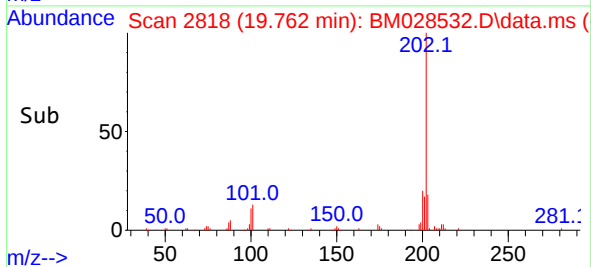
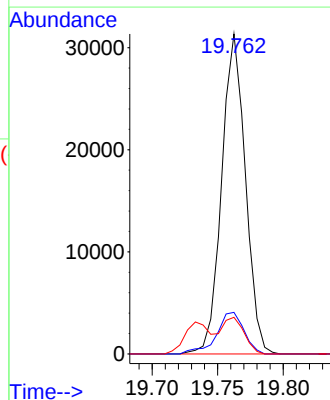
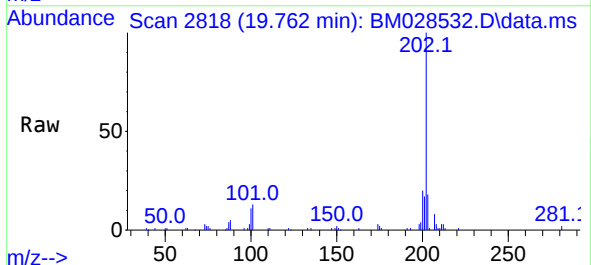
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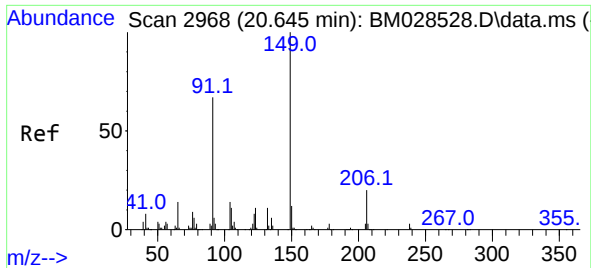
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#82
Pyrene
Concen: 4.03 ng/ul
RT: 19.762 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:	202	Resp:	39491
Ion Ratio	Lower	Upper	
202	100		
101	13.0	10.9	16.3
100	11.4	9.4	14.2





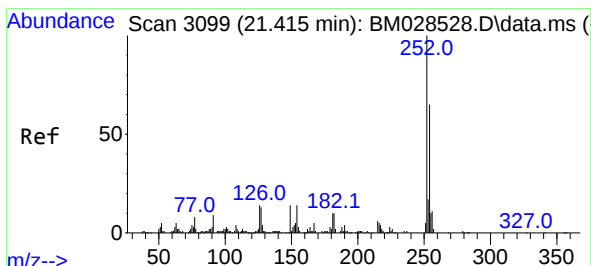
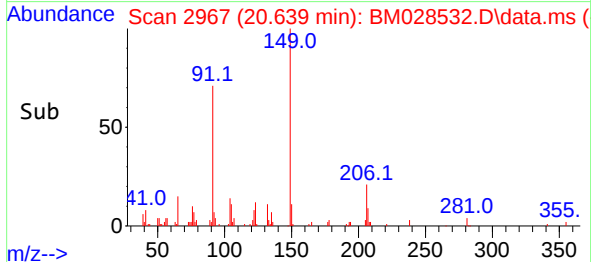
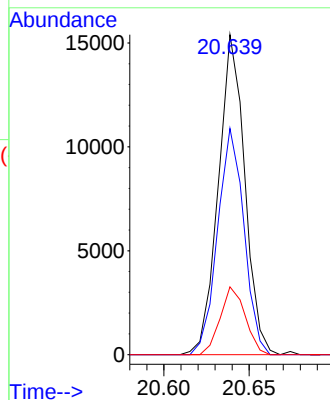
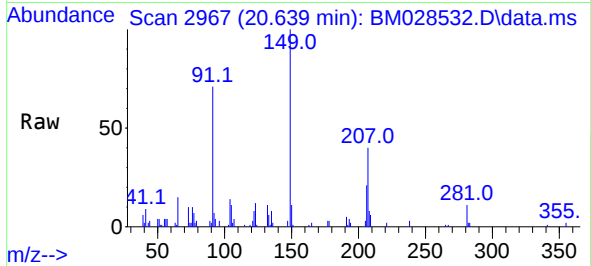
#83
Butylbenzylphthalate
Concen: 3.74 ng/ul
RT: 20.639 min Scan# 2967
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:	149	Resp:	16598
Ion Ratio	Lower	Upper	
149	100		
91	70.7	58.8	88.2
206	21.2	16.1	24.1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01

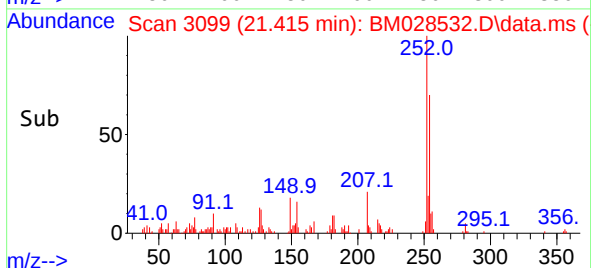
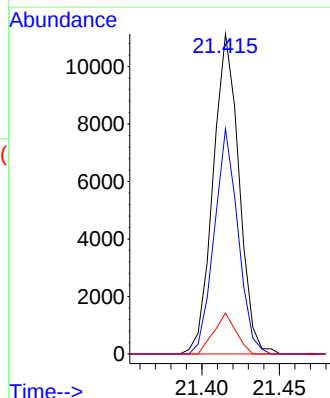
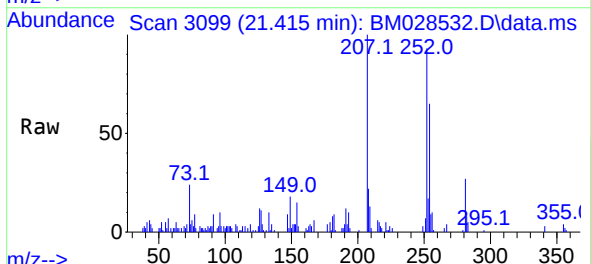
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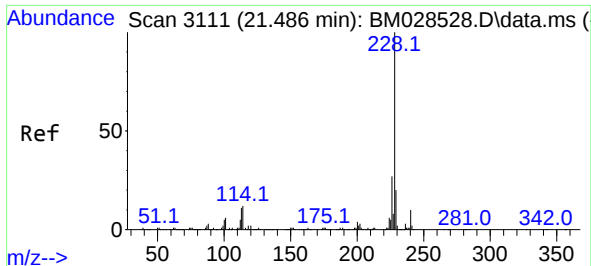
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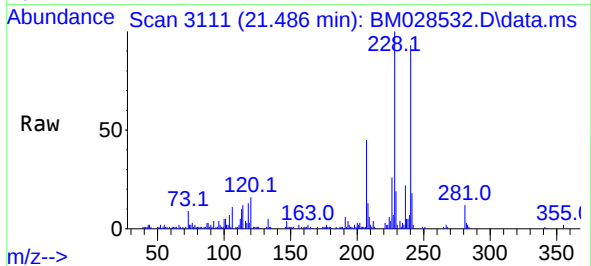
#84
3,3'-Dichlorobenzidine
Concen: 4.96 ng/ul
RT: 21.415 min Scan# 3099
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:	252	Resp:	12966
Ion Ratio	Lower	Upper	
252	100		
254	70.3	52.9	79.3
126	12.8	9.4	14.2

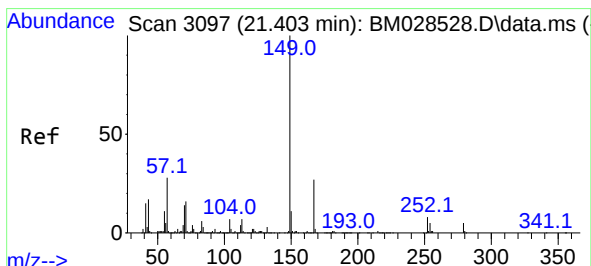
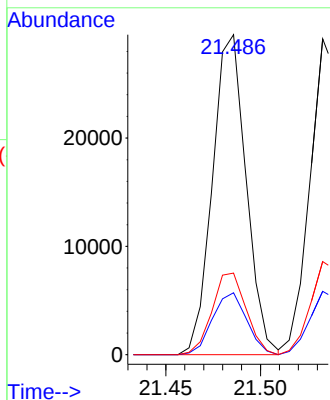
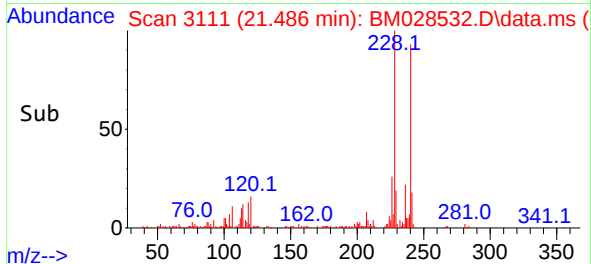




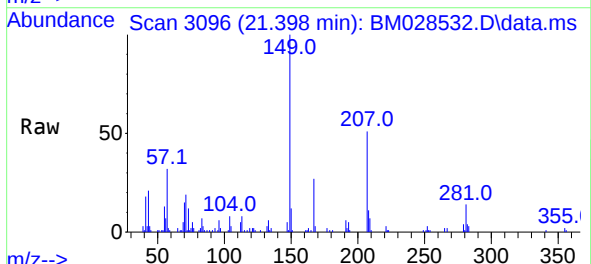
#85
Benzo(a)anthracene
Concen: 4.21 ng/ul
RT: 21.486 min Scan# 3111
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



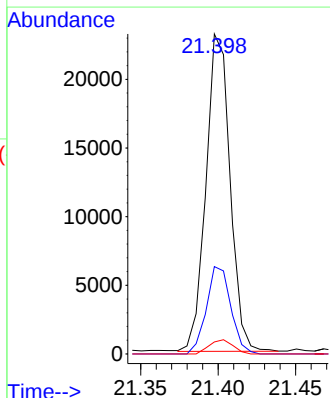
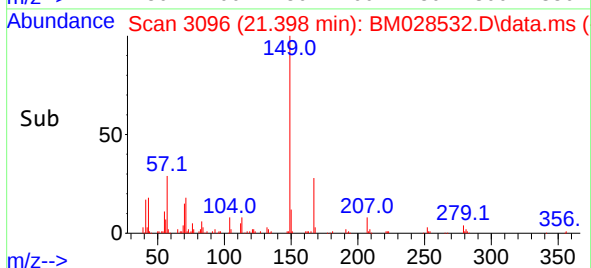
Tgt Ion:228 Resp: 36565
Ion Ratio Lower Upper
228 100
229 19.4 15.4 23.2
226 25.5 21.7 32.5



#86
Bis(2-ethylhexyl)phthalate
Concen: 3.64 ng/ul
RT: 21.398 min Scan# 3096
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54



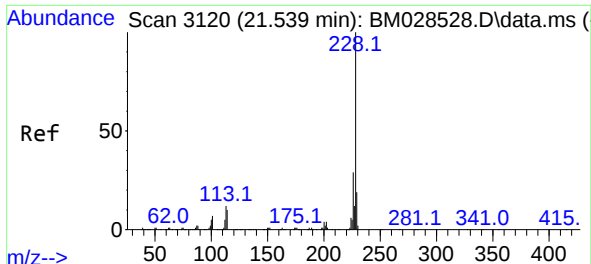
Tgt Ion:149 Resp: 25031
Ion Ratio Lower Upper
149 100
167 27.3 21.4 32.0
279 3.7 3.3 4.9



Instrument :
BNA_M
ClientSampleId :
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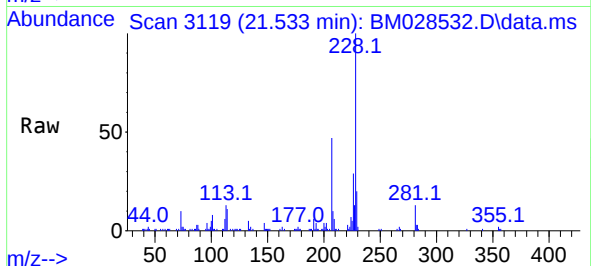
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#87
Chrysene
Concen: 4.21 ng/ul
RT: 21.533 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

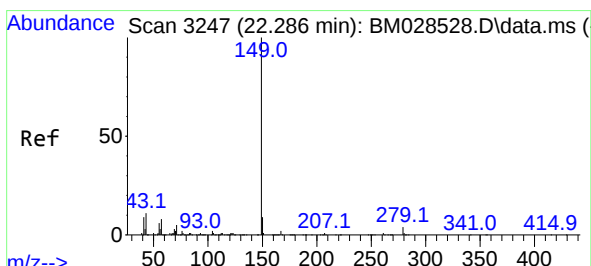
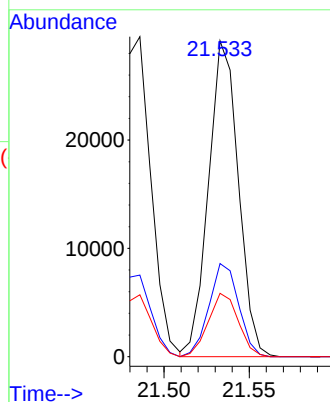
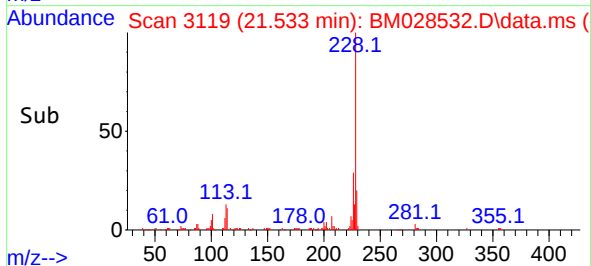
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-01



Tgt Ion:228 Resp: 35574
Ion Ratio Lower Upper
228 100
226 29.5 23.2 34.8
229 20.1 15.8 23.6

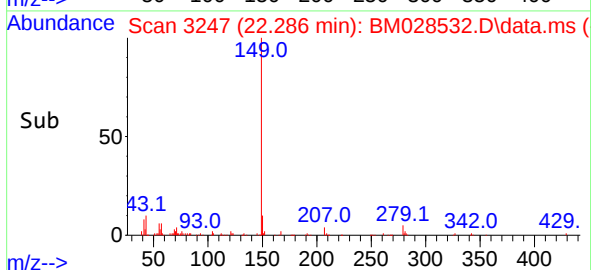
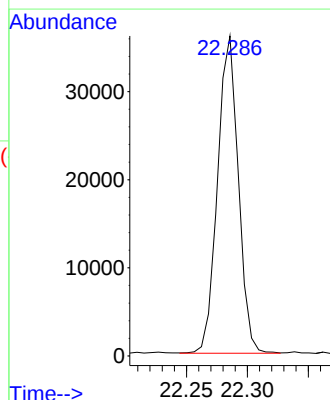
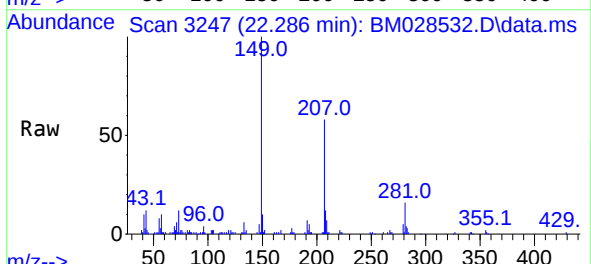
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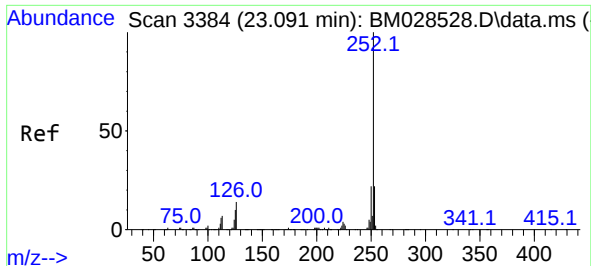
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#89
Di-n-octyl phthalate
Concen: 3.58 ng/ul
RT: 22.286 min Scan# 3247
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:149 Resp: 42818





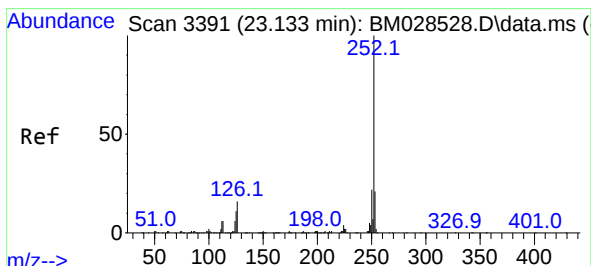
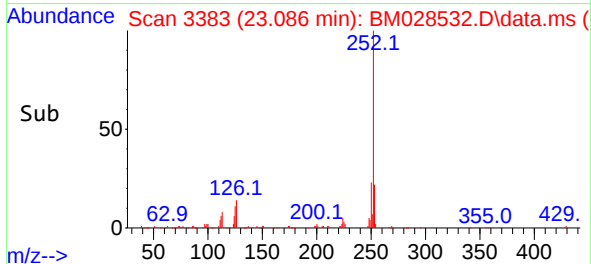
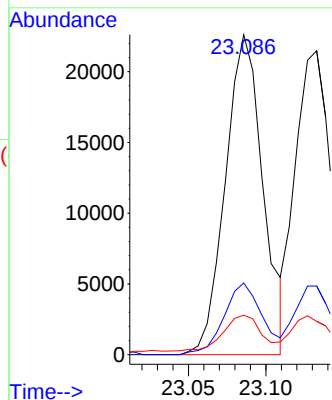
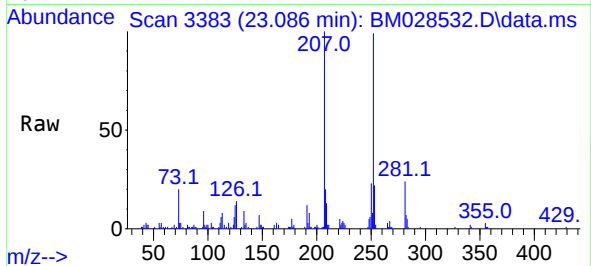
#90
Benzo(b)fluoranthene
Concen: 4.38 ng/ul
RT: 23.086 min Scan# 3383
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:252 Resp: 38193
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 12.3 8.7 13.1

Instrument :
BNA_M
ClientSampleId :
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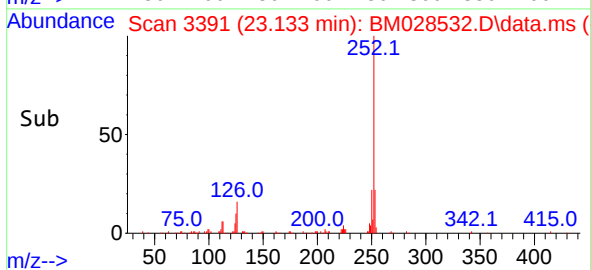
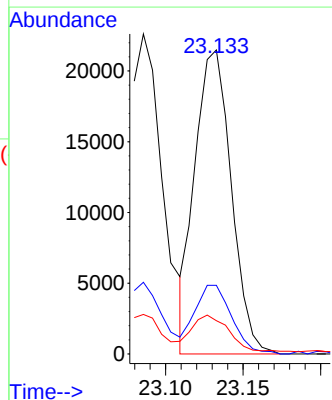
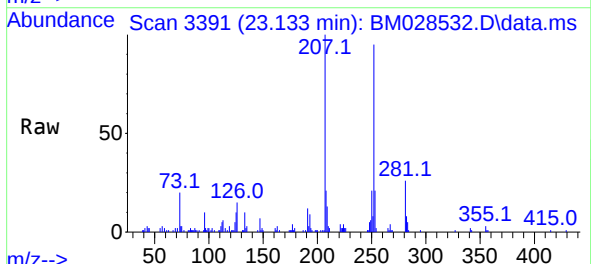
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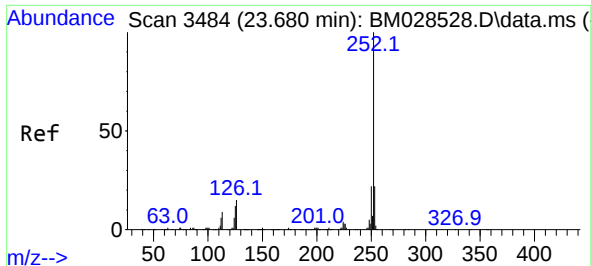
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#91
Benzo(k)fluoranthene
Concen: 4.12 ng/ul
RT: 23.133 min Scan# 3391
Delta R.T. 0.000 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:252 Resp: 35061
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 11.0 9.0 13.6





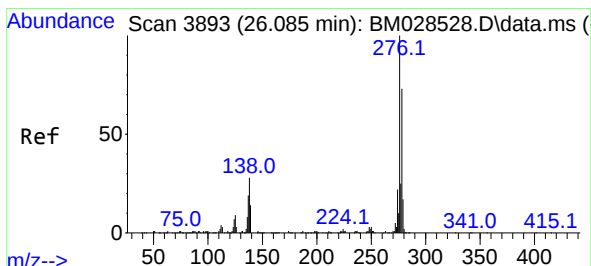
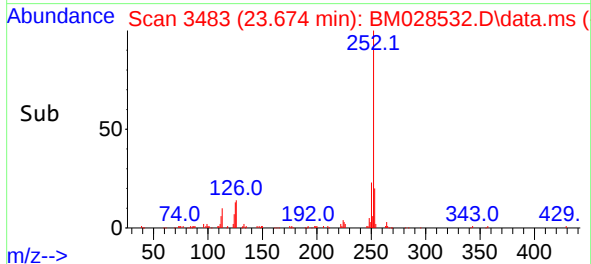
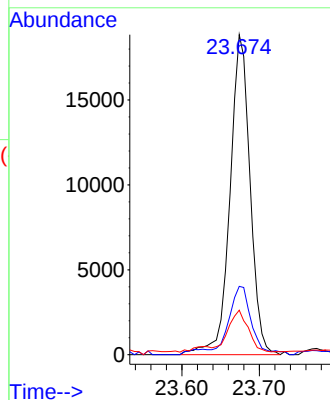
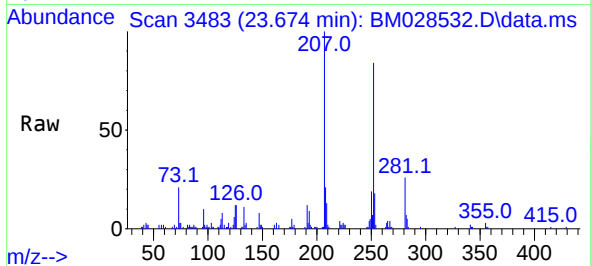
#93
Benzo(a)pyrene
Concen: 4.32 ng/u1
RT: 23.674 min Scan# 3483
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:	252	Resp:	34063
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.4	26.2
125	13.9	10.6	15.8

Instrument :
BNA_M
ClientSampleId :
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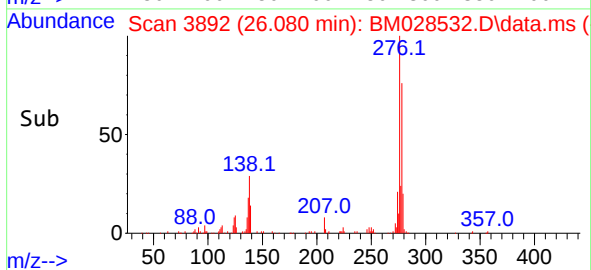
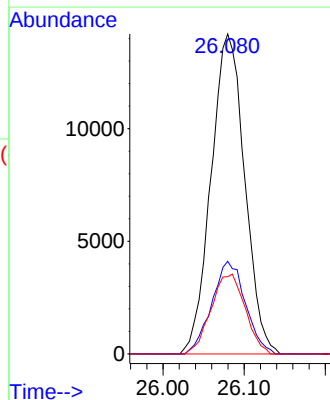
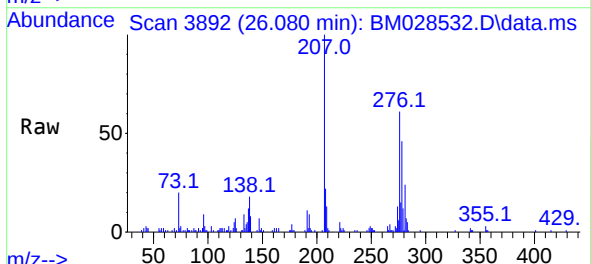
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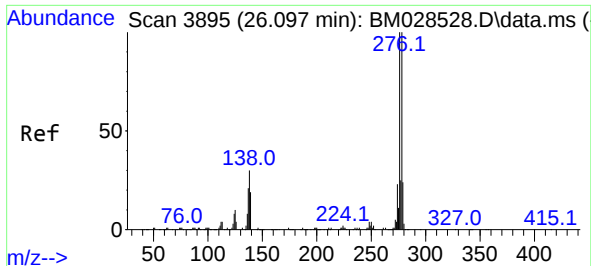
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#94
Indeno(1,2,3-cd)pyrene
Concen: 4.38 ng/u1
RT: 26.080 min Scan# 3892
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:	276	Resp:	40879
Ion Ratio	Lower	Upper	
276	100		
138	28.9	22.0	33.0
277	24.1	20.4	30.6





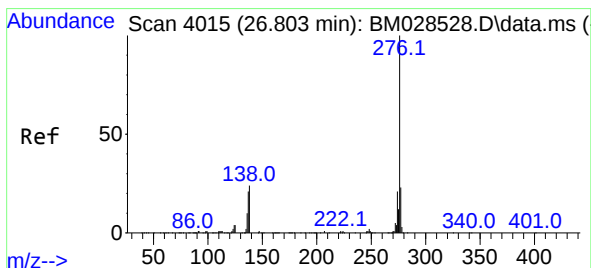
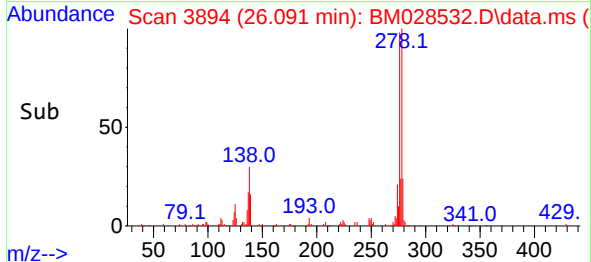
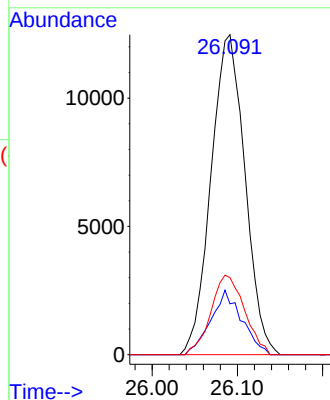
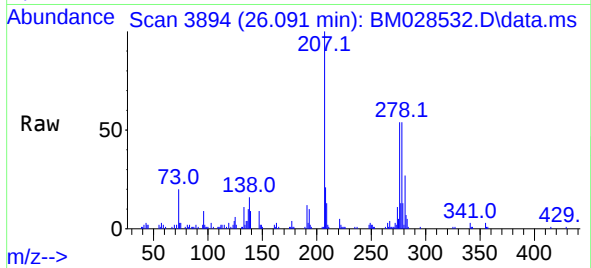
#95
Dibenzo(a,h)anthracene
Concen: 4.36 ng/ul
RT: 26.091 min Scan# 3894
Delta R.T. -0.006 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:278 Resp: 34545
Ion Ratio Lower Upper
278 100
139 15.9 13.8 20.8
279 24.1 18.2 27.4

Instrument :
BNA_M
ClientSampleId :
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#96
Benzo(g,h,i)perylene
Concen: 4.34 ng/ul
RT: 26.785 min Scan# 4012
Delta R.T. -0.018 min
Lab File: BM028532.D
Acq: 25 Jan 2021 16:54

Tgt Ion:276 Resp: 34133
Ion Ratio Lower Upper
276 100
138 25.3 18.9 28.3
277 23.7 18.3 27.5

