

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081523\
 Data File : BM041413.D
 Acq On : 15 Aug 2023 19:34
 Operator : MA/JU
 Sample : 03985-02MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PNNL-APM2-0811-1MS

Quant Time: Aug 16 01:12:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 17:51:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	152114	20.000	ng	-0.01
21) Naphthalene-d8	10.569	136	545298	20.000	ng	-0.01
39) Acenaphthene-d10	14.427	164	298051	20.000	ng	-0.01
64) Phenanthrene-d10	17.186	188	599202	20.000	ng	#-0.02
76) Chrysene-d12	21.392	240	697408	20.000	ng	-0.02
86) Perylene-d12	23.756	264	858157	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	926143	90.998	ng	0.00
7) Phenol-d6	6.951	99	1058453	80.230	ng	0.00
23) Nitrobenzene-d5	8.945	82	807350	68.853	ng	0.00
42) 2,4,6-Tribromophenol	15.933	330	453850	107.655	ng	-0.01
45) 2-Fluorobiphenyl	13.045	172	1646797	69.797	ng	-0.01
79) Terphenyl-d14	19.827	244	2515172	65.207	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.257	88	124817	28.668	ng	# 43
3) Pyridine	3.663	79	271939	23.754	ng	95
4) n-Nitrosodimethylamine	3.575	42	162127	30.621	ng	97
6) Aniline	7.104	93	207526	13.441	ng	99
8) 2-Chlorophenol	7.334	128	346015	34.825	ng	98
9) Benzaldehyde	6.916	77	130110	18.691	ng	94
10) Phenol	6.981	94	385925	30.288	ng	95
11) bis(2-Chloroethyl)ether	7.204	93	347373	33.679	ng	97
12) 1,3-Dichlorobenzene	7.651	146	397941	36.794	ng	99
13) 1,4-Dichlorobenzene	7.798	146	404760	37.234	ng	99
14) 1,2-Dichlorobenzene	8.116	146	384081	36.849	ng	98
15) Benzyl Alcohol	8.028	79	321179	38.551	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.292	45	393773	28.654	ng	95
17) 2-Methylphenol	8.228	107	276170	31.725	ng	98
18) Hexachloroethane	8.828	117	149787	37.011	ng	91
19) n-Nitroso-di-n-propyla...	8.587	70	273638	34.149	ng	95
20) 3+4-Methylphenols	8.557	107	365008	31.360	ng	98
22) Acetophenone	8.604	105	526593	36.463	ng	# 99
24) Nitrobenzene	8.986	77	417545	35.212	ng	99
25) Isophorone	9.510	82	712685	35.805	ng	98
26) 2-Nitrophenol	9.692	139	184081	39.711	ng	94
27) 2,4-Dimethylphenol	9.757	122	272138	33.362	ng	95
28) bis(2-Chloroethoxy)met...	9.992	93	427050	34.251	ng	99
29) 2,4-Dichlorophenol	10.228	162	321832	39.124	ng	98
30) 1,2,4-Trichlorobenzene	10.433	180	373678	41.116	ng	96
31) Naphthalene	10.616	128	1020412	34.484	ng	100
32) Benzoic acid	9.939	122	194019	34.104	ng	98
33) 4-Chloroaniline	10.769	127	51772	4.378	ng	98
34) Hexachlorobutadiene	10.886	225	245076	44.836	ng	99
35) Caprolactam	11.575	113	39946	16.787	ng	# 75
36) 4-Chloro-3-methylphenol	11.886	107	308366	35.616	ng	100
37) 2-Methylnaphthalene	12.239	142	670544	33.612	ng	98
38) 1-Methylnaphthalene	12.457	142	639778	34.265	ng	97
40) 1,2,4,5-Tetrachloroben...	12.610	216	396541	40.973	ng	# 98
41) Hexachlorocyclopentadiene	12.569	237	279278	54.545	ng	97
43) 2,4,6-Trichlorophenol	12.863	196	251988	40.623	ng	97

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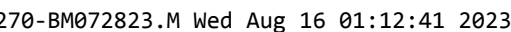
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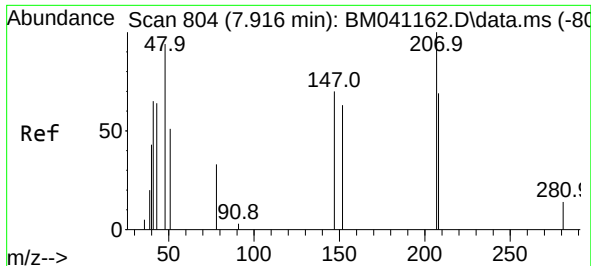
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.939	196	268877	37.450	ng	96
46) 1,1'-Biphenyl	13.257	154	885453	36.646	ng	99
47) 2-Chloronaphthalene	13.298	162	695545	38.552	ng	99
48) 2-Nitroaniline	13.527	65	203854	35.398	ng	98
49) Acenaphthylene	14.151	152	1071977	36.812	ng	100
50) Dimethylphthalate	13.898	163	816659	36.426	ng	100
51) 2,6-Dinitrotoluene	14.027	165	177122	38.128	ng	97
52) Acenaphthene	14.492	154	614378	35.021	ng	99
53) 3-Nitroaniline	14.368	138	83984	17.362	ng	96
54) 2,4-Dinitrophenol	14.586	184	111283	38.721	ng	89
55) Dibenzofuran	14.827	168	1008401	35.231	ng	99
56) 4-Nitrophenol	14.686	139	248652	64.225	ng	94
57) 2,4-Dinitrotoluene	14.827	165	233213	35.869	ng	94
58) Fluorene	15.480	166	791615	35.059	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.063	232	230018	39.564	ng	95
60) Diethylphthalate	15.263	149	766911	35.372	ng	99
61) 4-Chlorophenyl-phenyle...	15.480	204	422704	37.358	ng	97
62) 4-Nitroaniline	15.533	138	138964	29.771	ng	92
63) Azobenzene	15.774	77	782180	32.935	ng	97
65) 4,6-Dinitro-2-methylph...	15.592	198	87062	23.984	ng	92
66) n-Nitrosodiphenylamine	15.704	169	657364	35.275	ng	99
67) 4-Bromophenyl-phenylether	16.374	248	255088	38.828	ng	100
68) Hexachlorobenzene	16.486	284	297983	40.790	ng	94
69) Atrazine	16.662	200	234849	47.987	ng	99
70) Pentachlorophenol	16.845	266	350048	69.198	ng	100
71) Phenanthrene	17.233	178	1186131	35.628	ng	100
72) Anthracene	17.321	178	1207662	36.678	ng	100
73) Carbazole	17.604	167	1105361	37.091	ng	100
74) Di-n-butylphthalate	18.162	149	1243164	36.915	ng	100
75) Fluoranthene	19.256	202	1502703	40.176	ng	98
77) Benzidine	19.456	184	506065	53.239	ng	99
78) Pyrene	19.621	202	1607259	32.955	ng	99
80) Butylbenzylphthalate	20.527	149	629907	35.368	ng	96
81) Benzo(a)anthracene	21.380	228	1800348	38.080	ng	98
82) 3,3'-Dichlorobenzidine	21.315	252	434078	28.137	ng	99
83) Chrysene	21.433	228	1664257	36.393	ng	99
84) Bis(2-ethylhexyl)phtha...	21.297	149	988983	35.656	ng	98
85) Di-n-octyl phthalate	22.215	149	1757068	39.035	ng	95
87) Indeno(1,2,3-cd)pyrene	26.197	276	2391094	37.898	ng	# 94
88) Benzo(b)fluoranthene	23.039	252	1917552	37.614	ng	# 97
89) Benzo(k)fluoranthene	23.039	252	1917552	36.772	ng	98
90) Benzo(a)pyrene	23.650	252	1744433	35.612	ng	# 97
91) Dibenzo(a,h)anthracene	26.209	278	2016583	38.320	ng	# 96
92) Benzo(g,h,i)perylene	26.950	276	1910157	37.096	ng	# 95

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

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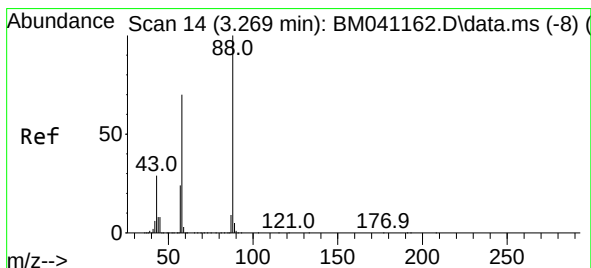
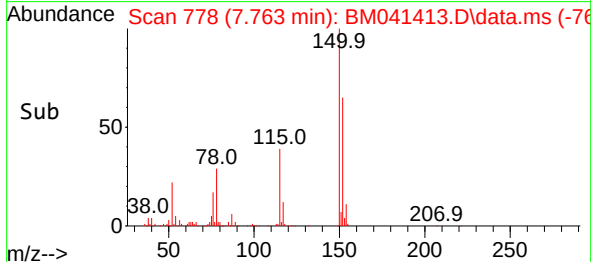
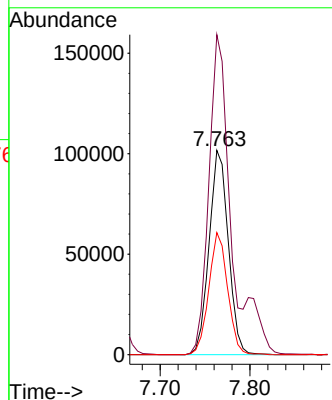
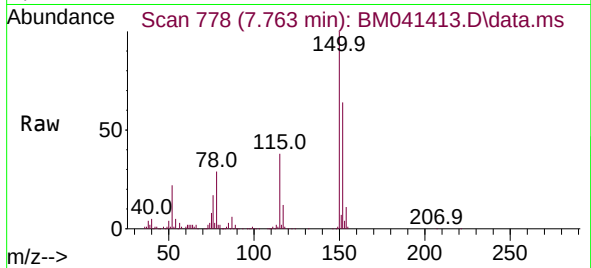




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

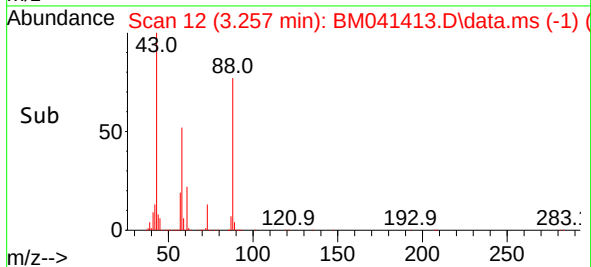
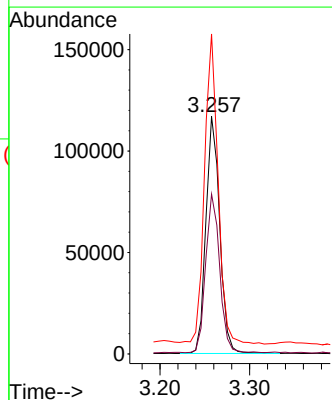
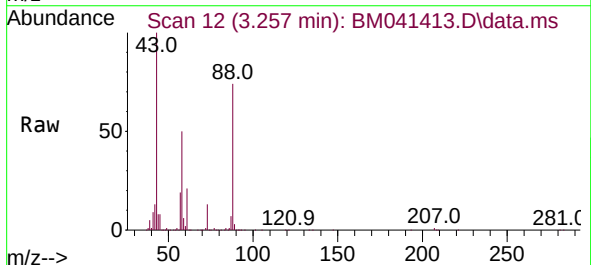
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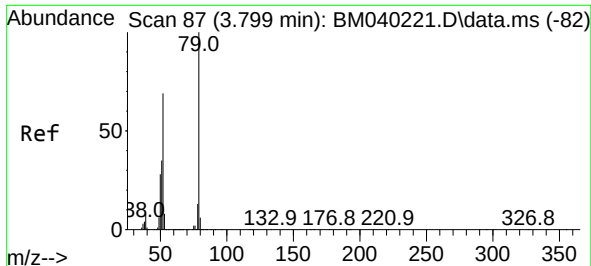
Tgt Ion:152 Resp: 152114
Ion Ratio Lower Upper
152 100
150 156.7 125.5 188.3
115 59.7 48.0 72.0



#2
1,4-Dioxane
Concen: 28.668 ng
RT: 3.257 min Scan# 12
Delta R.T. 0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion: 88 Resp: 124817
Ion Ratio Lower Upper
88 100
58 67.7 58.2 87.4
43 128.8 24.4 36.6

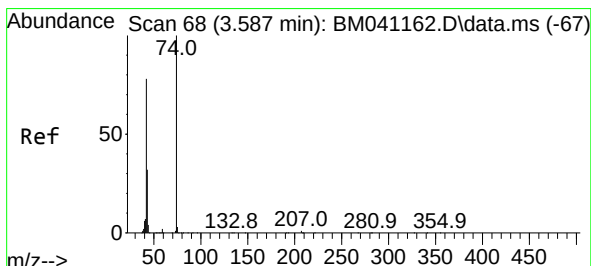
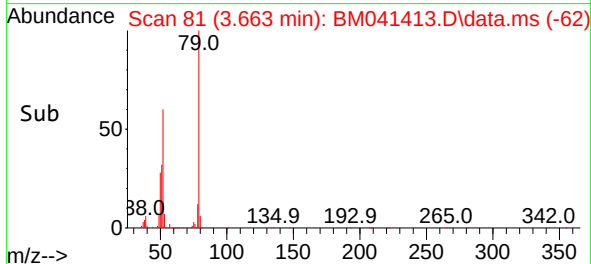
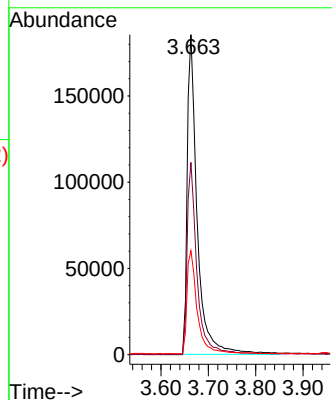
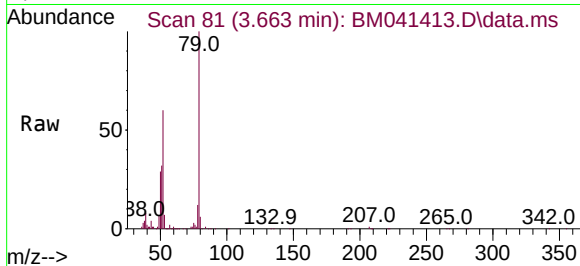




#3
 Pyridine
 Concen: 23.754 ng
 RT: 3.663 min Scan# 81
 Delta R.T. 0.012 min
 Lab File: BM041413.D
 Acq: 15 Aug 2023 19:34

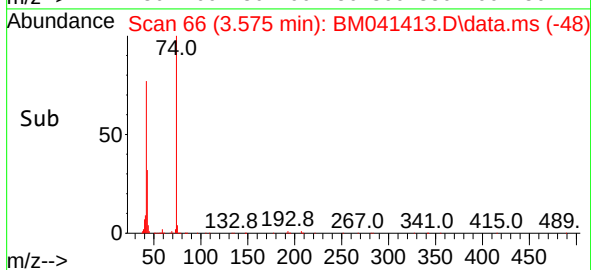
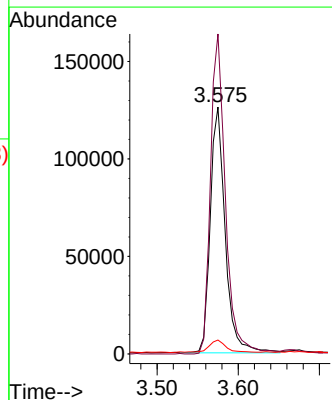
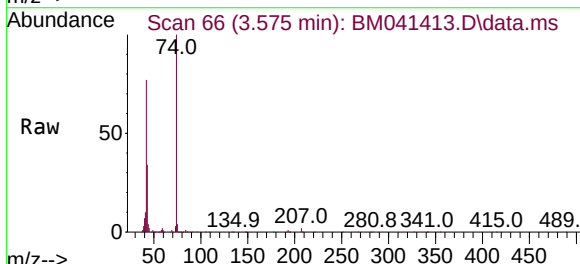
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 ClientSampleId :
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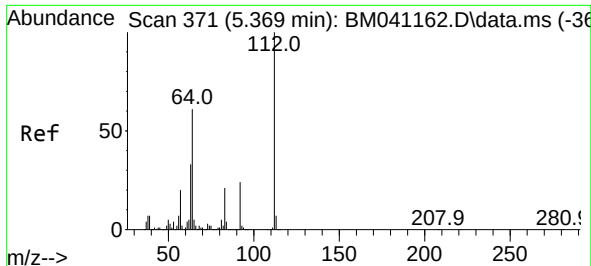
Tgt Ion: 79 Resp: 271939
 Ion Ratio Lower Upper
 79 100
 52 60.1 52.1 78.1
 51 32.5 27.5 41.3



#4
 n-Nitrosodimethylamine
 Concen: 30.621 ng
 RT: 3.575 min Scan# 66
 Delta R.T. 0.006 min
 Lab File: BM041413.D
 Acq: 15 Aug 2023 19:34

Tgt Ion: 42 Resp: 162127
 Ion Ratio Lower Upper
 42 100
 74 129.7 100.8 151.2
 44 5.6 5.0 7.4

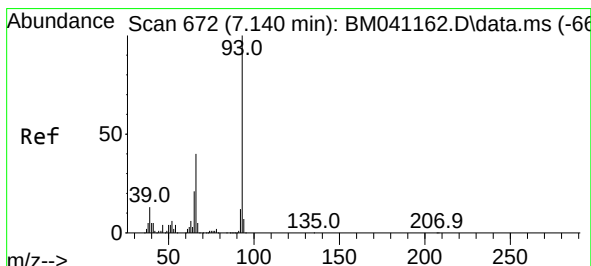
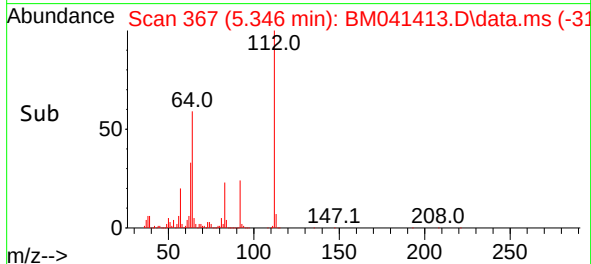
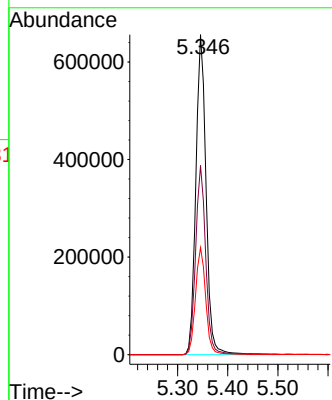
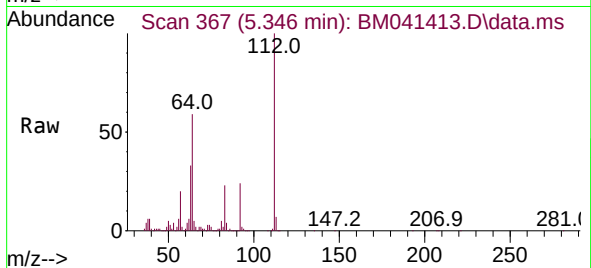




#5
2-Fluorophenol
Concen: 90.998 ng
RT: 5.346 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

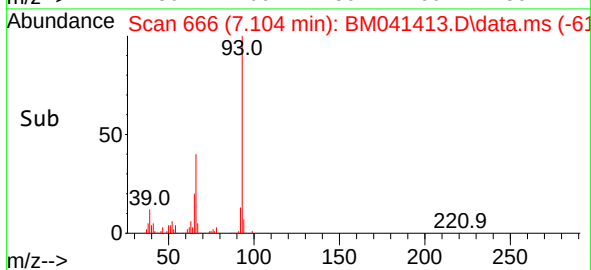
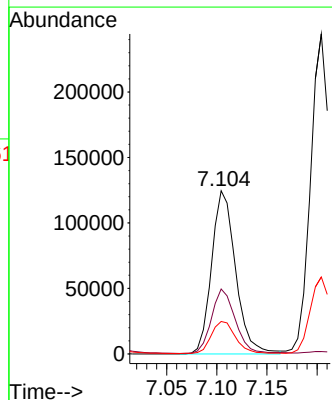
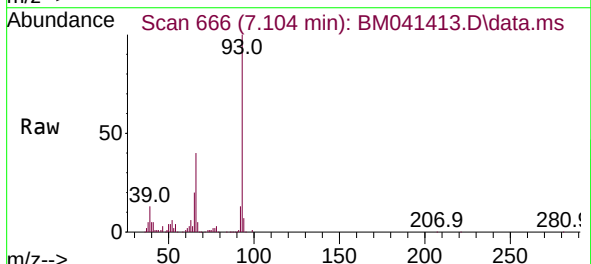
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ClientSampleId :
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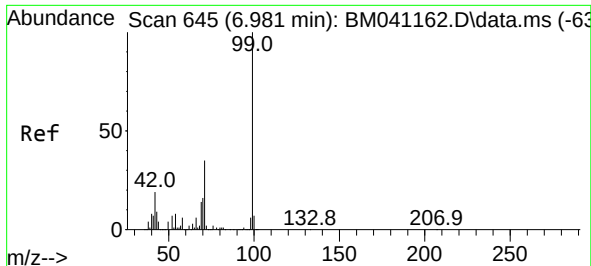
Tgt Ion:112 Resp: 926143
Ion Ratio Lower Upper
112 100
64 59.1 48.5 72.7
63 33.4 26.5 39.7



#6
Aniline
Concen: 13.441 ng
RT: 7.104 min Scan# 666
Delta R.T. -0.006 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion: 93 Resp: 207526
Ion Ratio Lower Upper
93 100
66 39.7 32.0 48.0
65 19.8 16.6 24.8



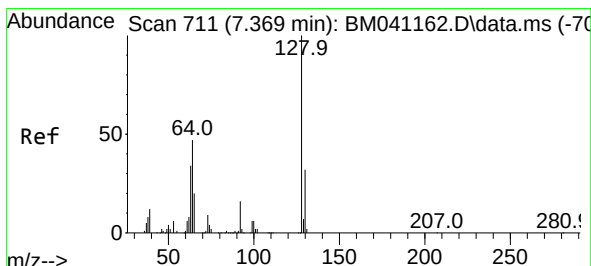
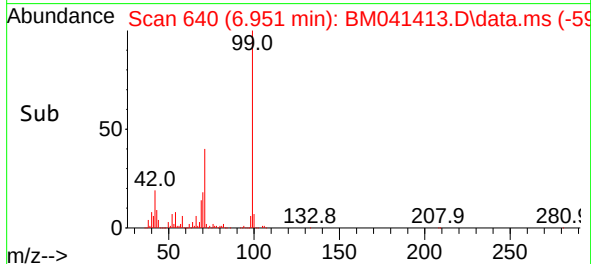
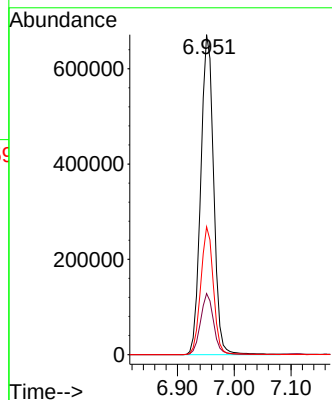
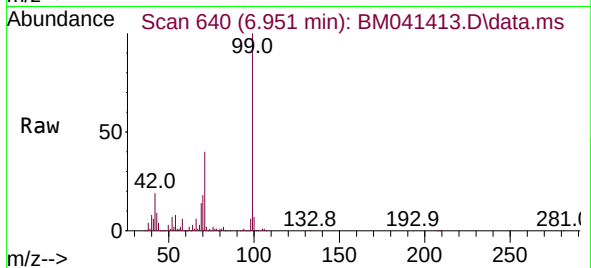


#7
Phenol-d6
Concen: 80.230 ng
RT: 6.951 min Scan# 64
Delta R.T. -0.006 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Instrument :
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ClientSampleId :
PNNL-APM2-0811-1MS

Tgt Ion: 99 Resp: 1058453

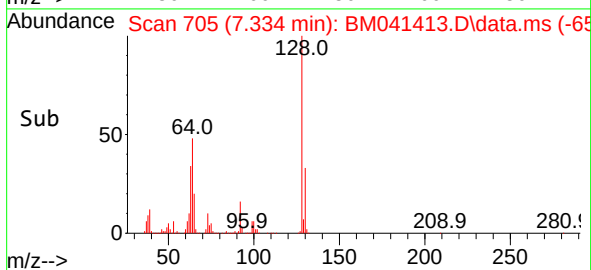
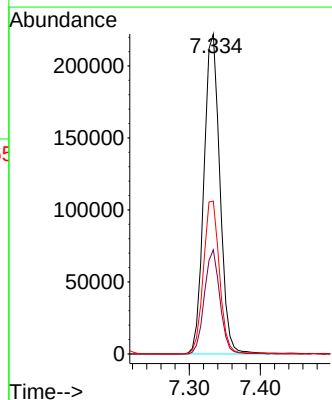
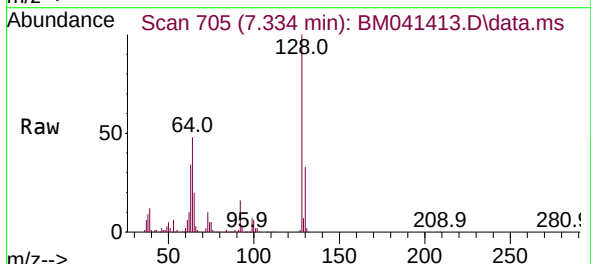
Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.4	23.0
71	39.9	28.2	42.4

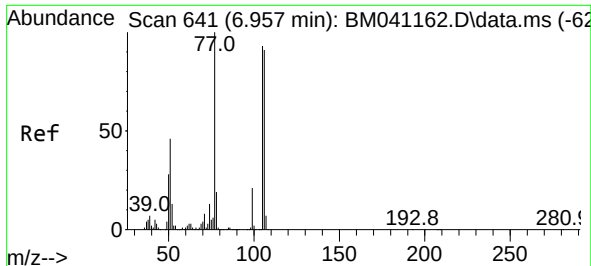


#8
2-Chlorophenol
Concen: 34.825 ng
RT: 7.334 min Scan# 705
Delta R.T. -0.006 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion: 128 Resp: 346015

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.3	52.3
64	47.7	29.3	69.3

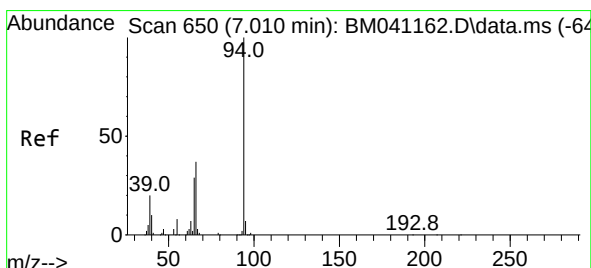
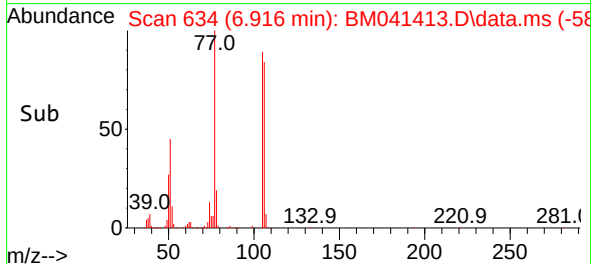
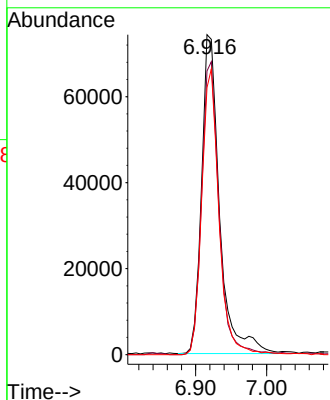
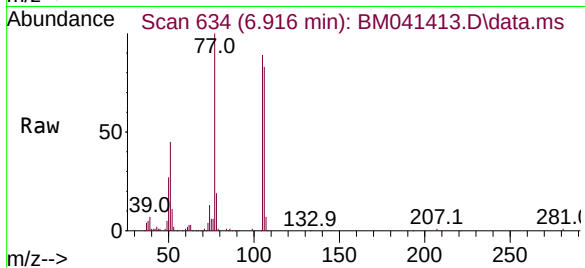




#9
Benzaldehyde
Concen: 18.691 ng
RT: 6.916 min Scan# 641
Delta R.T. -0.006 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

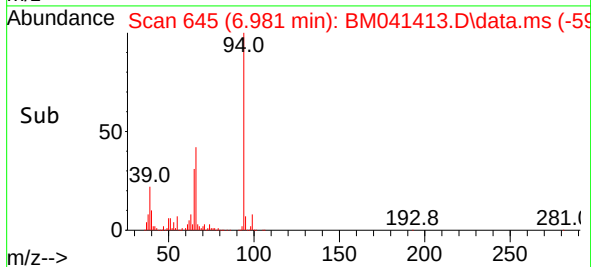
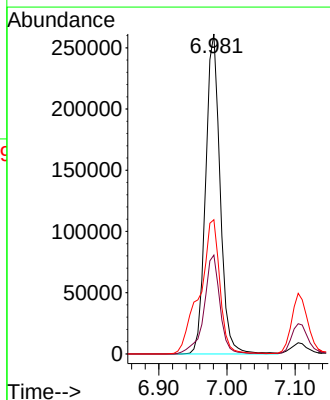
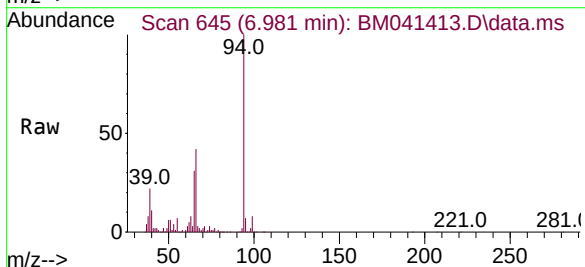
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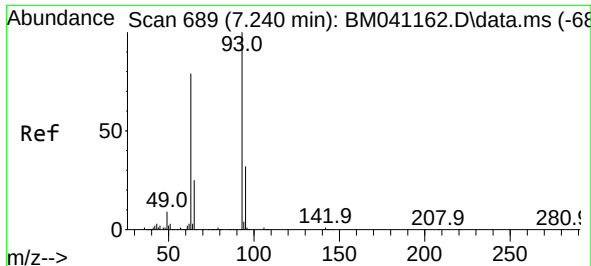
Tgt Ion: 77 Resp: 130110
Ion Ratio Lower Upper
77 100
105 88.6 72.8 112.8
106 83.4 70.8 110.8



#10
Phenol
Concen: 30.288 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.006 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion: 94 Resp: 385925
Ion Ratio Lower Upper
94 100
65 30.9 9.5 49.5
66 41.9 18.0 58.0

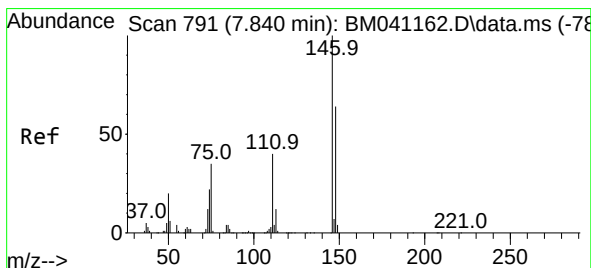
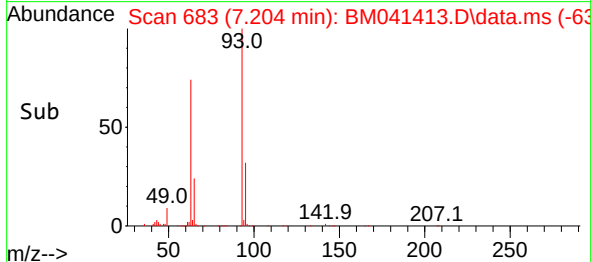
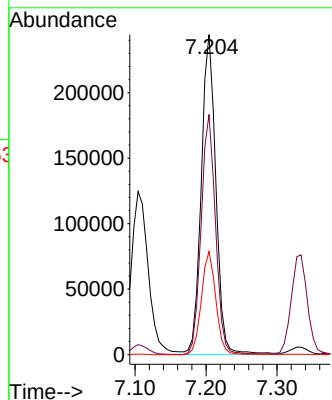
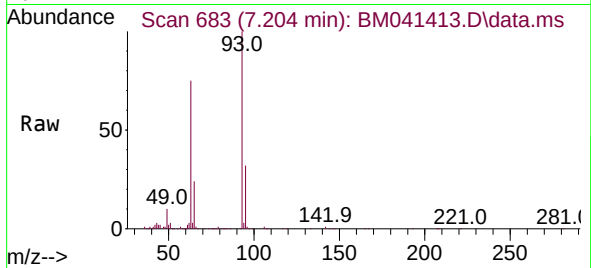




#11
bis(2-Chloroethyl)ether
Concen: 33.679 ng
RT: 7.204 min Scan# 689
Delta R.T. -0.006 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

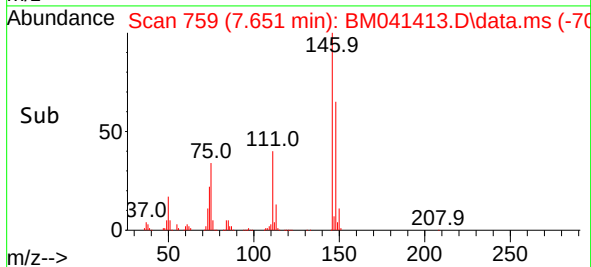
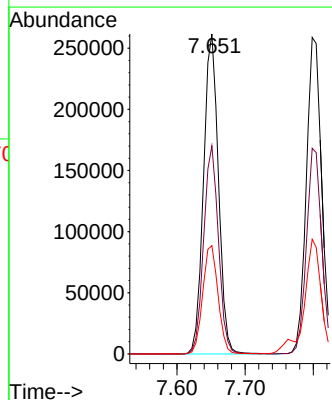
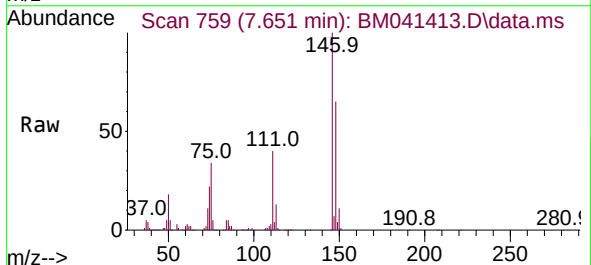
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

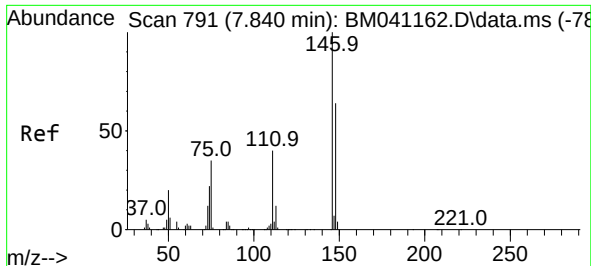
Tgt Ion: 93 Resp: 347373
Ion Ratio Lower Upper
93 100
63 75.0 58.8 98.8
95 32.2 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 36.794 ng
RT: 7.651 min Scan# 759
Delta R.T. -0.006 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion: 146 Resp: 397941
Ion Ratio Lower Upper
146 100
148 65.0 51.9 77.9
75 33.8 28.3 42.5

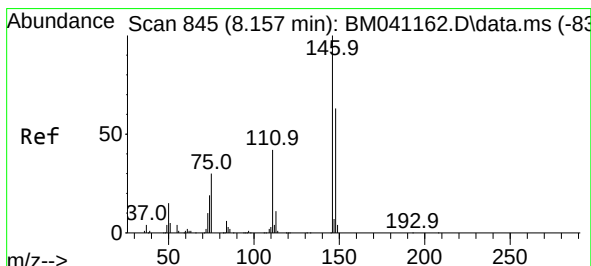
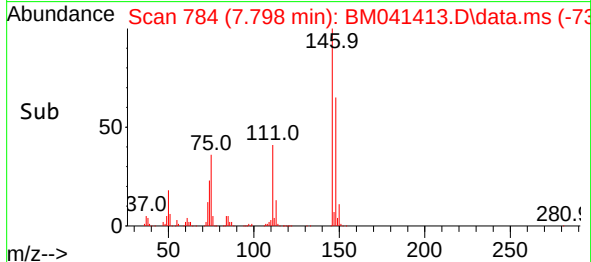
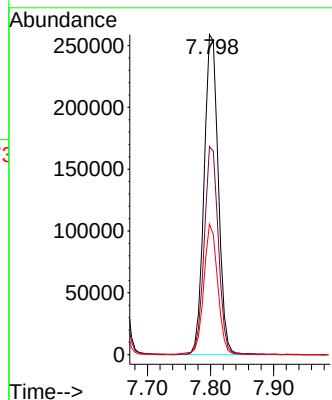
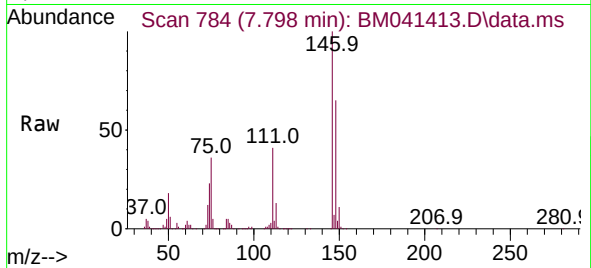




#13
1,4-Dichlorobenzene
Concen: 37.234 ng
RT: 7.798 min Scan# 784
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

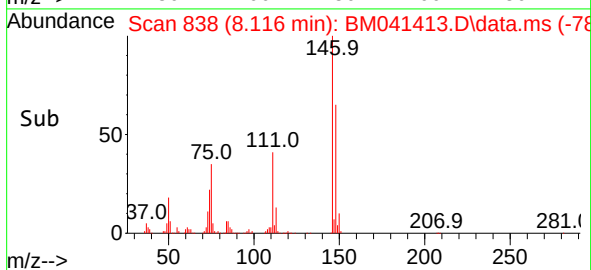
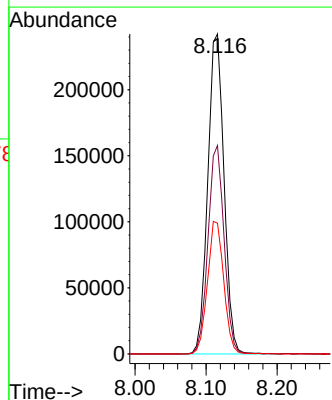
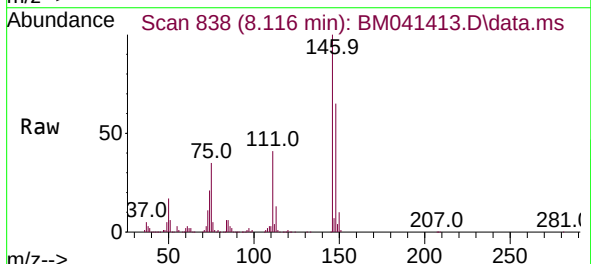
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

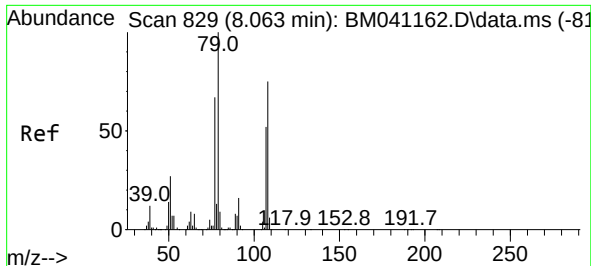
Tgt Ion:146 Resp: 404760
Ion Ratio Lower Upper
146 100
148 65.0 51.4 77.0
111 40.8 32.4 48.6



#14
1,2-Dichlorobenzene
Concen: 36.849 ng
RT: 8.116 min Scan# 838
Delta R.T. -0.006 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:146 Resp: 384081
Ion Ratio Lower Upper
146 100
148 65.1 50.9 76.3
111 40.8 33.8 50.6

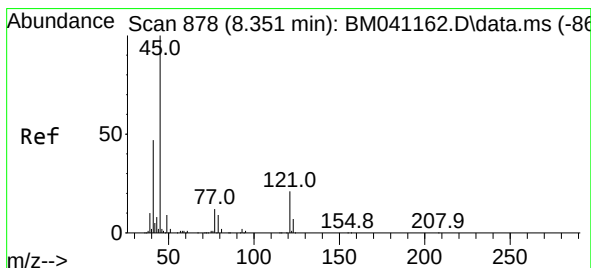
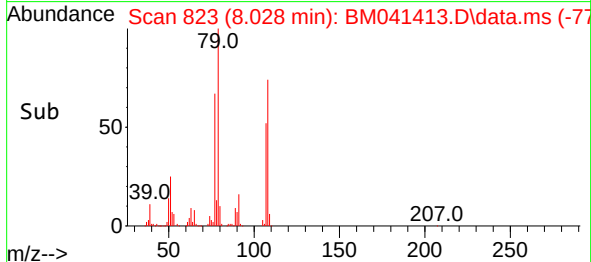
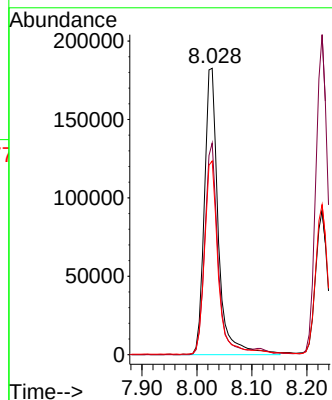
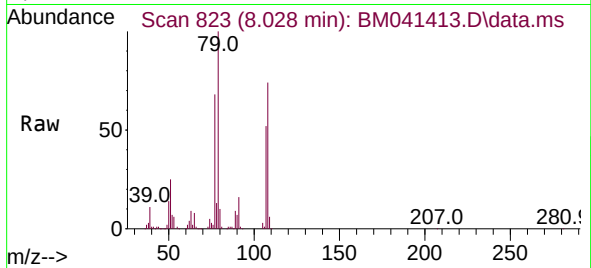




#15
Benzyl Alcohol
Concen: 38.551 ng
RT: 8.028 min Scan# 811
Delta R.T. -0.006 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

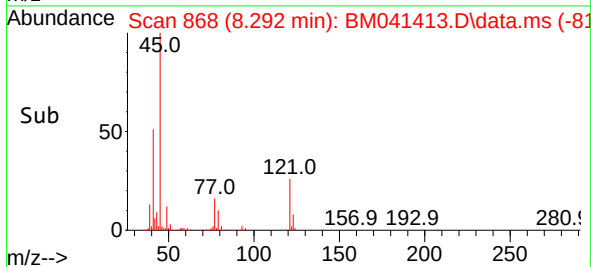
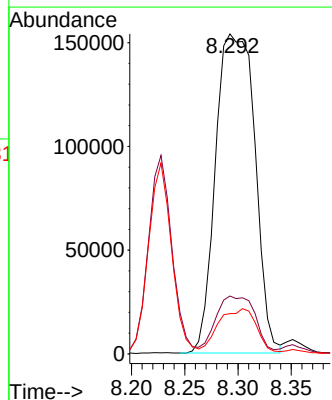
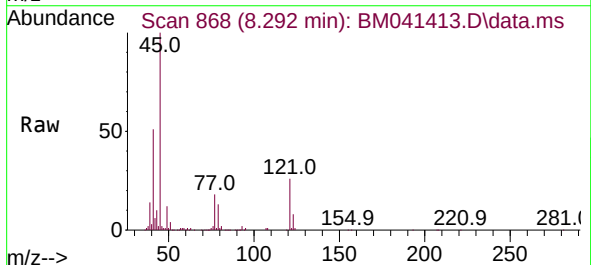
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

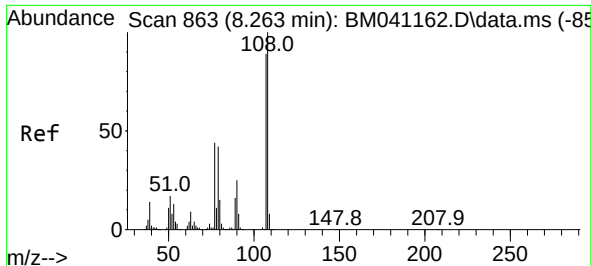
Tgt Ion: 79 Resp: 321179
Ion Ratio Lower Upper
79 100
108 73.9 59.8 89.8
77 67.6 53.8 80.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 28.654 ng
RT: 8.292 min Scan# 868
Delta R.T. -0.006 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion: 45 Resp: 393773
Ion Ratio Lower Upper
45 100
77 18.1 0.0 34.5
79 12.6 0.0 32.1





#17

2-Methylphenol

Concen: 31.725 ng

RT: 8.228 min Scan# 81

Delta R.T. -0.006 min

Lab File: BM041413.D

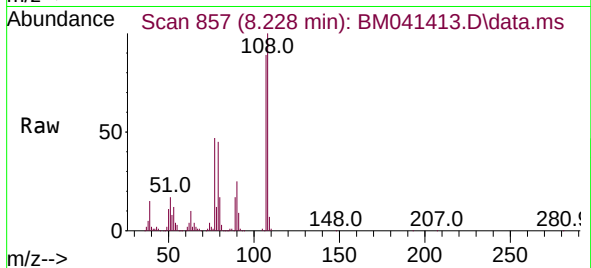
Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS



Tgt Ion:107 Resp: 276170

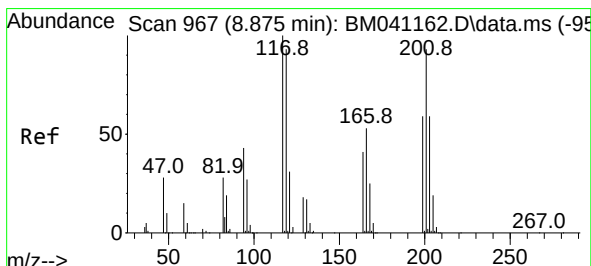
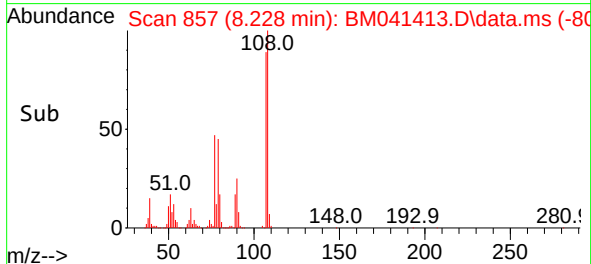
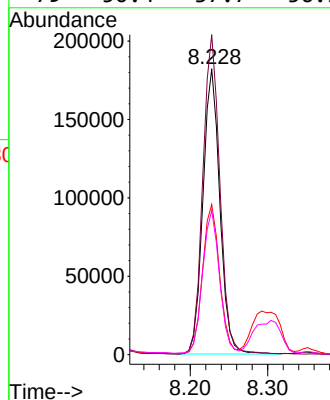
Ion Ratio Lower Upper

107 100

108 112.0 89.9 134.9

77 52.5 39.8 59.8

79 50.4 37.7 56.5



#18

Hexachloroethane

Concen: 37.011 ng

RT: 8.828 min Scan# 959

Delta R.T. -0.012 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

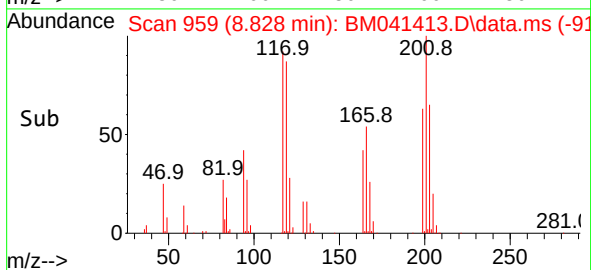
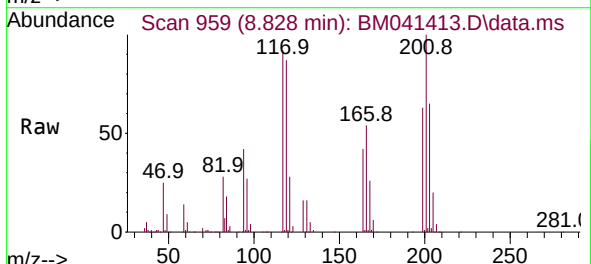
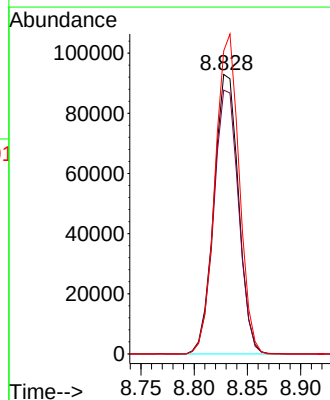
Tgt Ion:117 Resp: 149787

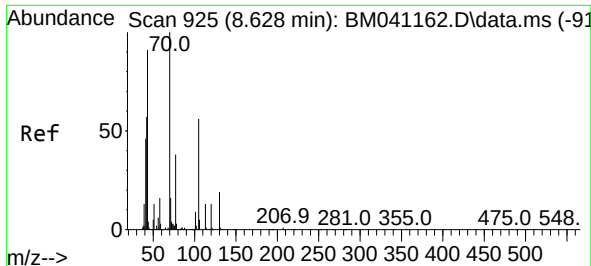
Ion Ratio Lower Upper

117 100

119 94.4 74.2 111.4

201 108.4 74.5 111.7

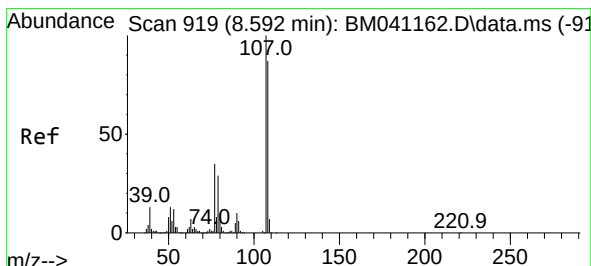
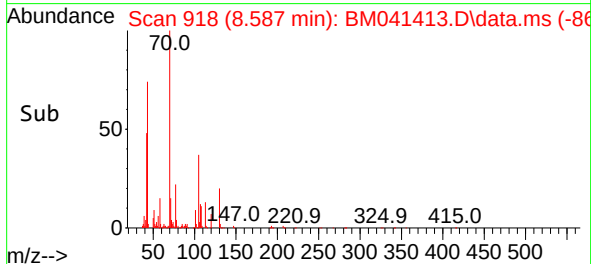
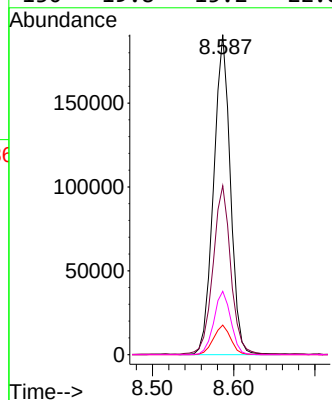
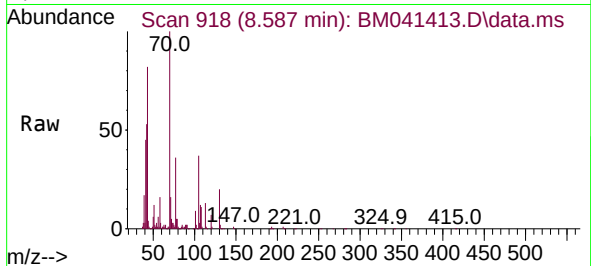




#19
n-Nitroso-di-n-propylamine
Concen: 34.149 ng
RT: 8.587 min Scan# 913
Delta R.T. -0.006 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

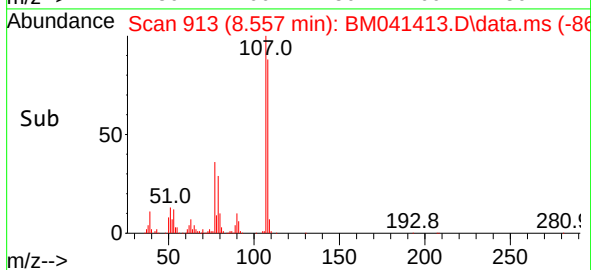
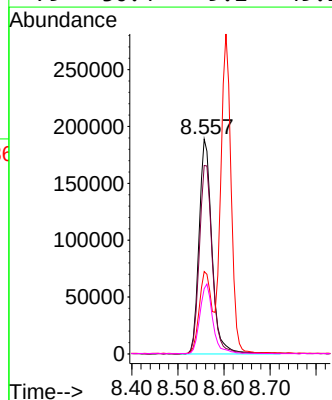
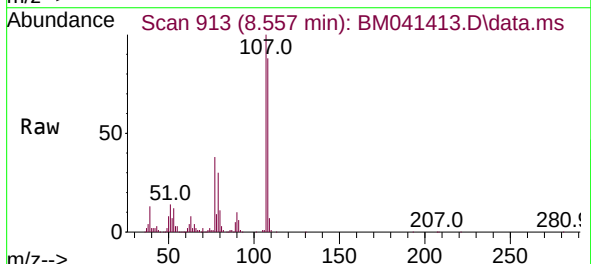
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

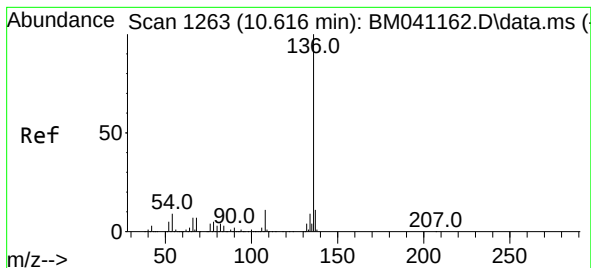
Tgt Ion: 70 Resp: 273638
Ion Ratio Lower Upper
70 100
42 52.8 45.8 68.8
101 9.2 7.4 11.0
130 19.8 15.2 22.8



#20
3+4-Methylphenols
Concen: 31.360 ng
RT: 8.557 min Scan# 913
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion: 107 Resp: 365008
Ion Ratio Lower Upper
107 100
108 87.7 67.2 107.2
77 38.3 15.4 55.4
79 30.4 9.2 49.2

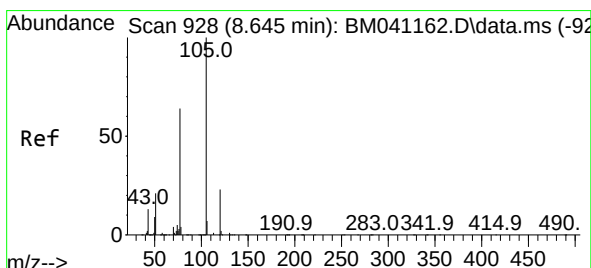
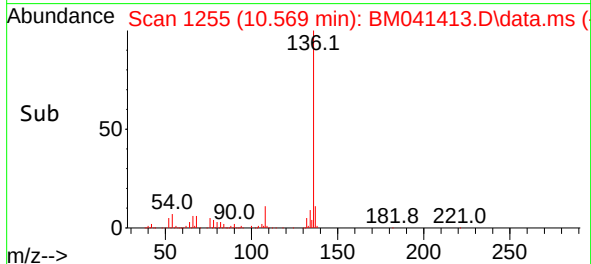
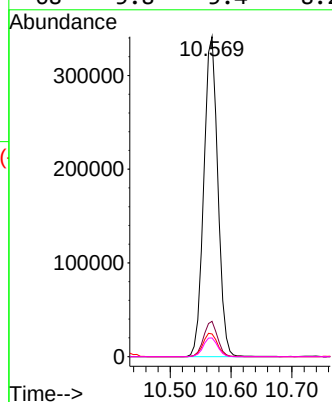
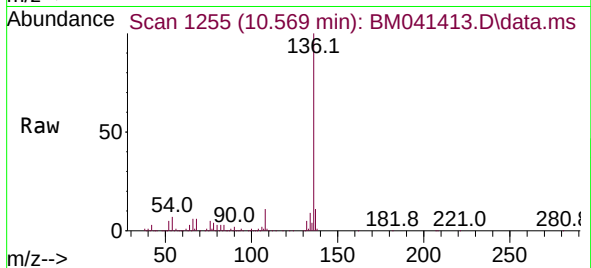




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1263
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

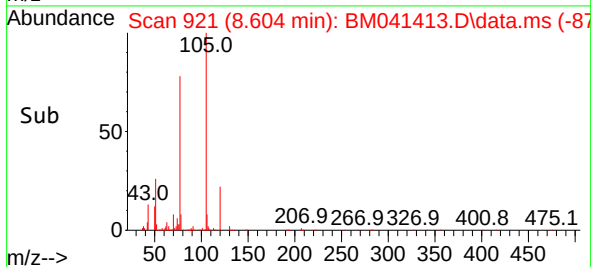
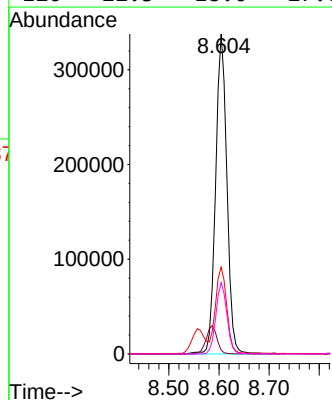
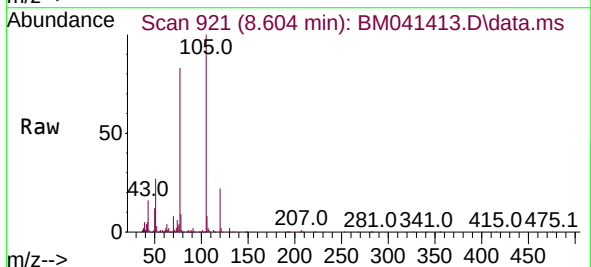
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

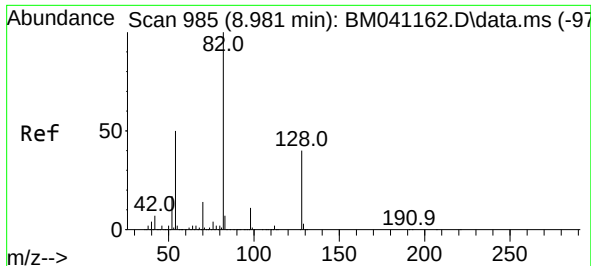
Tgt Ion:136	Resp:	545298
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.8 13.2
54	7.1	6.9 10.3
68	5.8	5.4 8.2



#22
Acetophenone
Concen: 36.463 ng
RT: 8.604 min Scan# 921
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:105	Resp:	526593
Ion Ratio	Lower	Upper
105	100	
71	1.2	1.2 1.8#
51	27.1	22.0 33.0
120	22.3	18.0 27.0

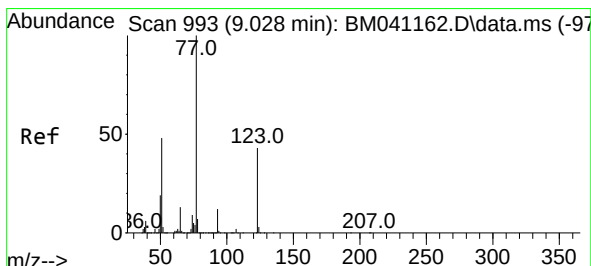
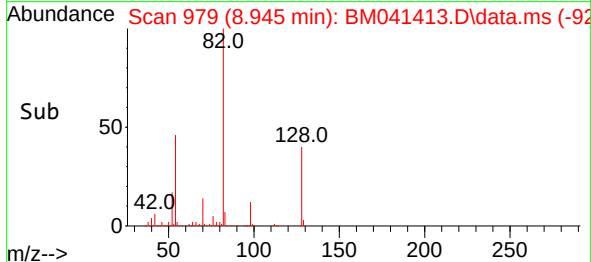
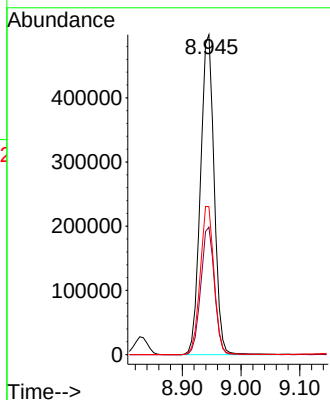
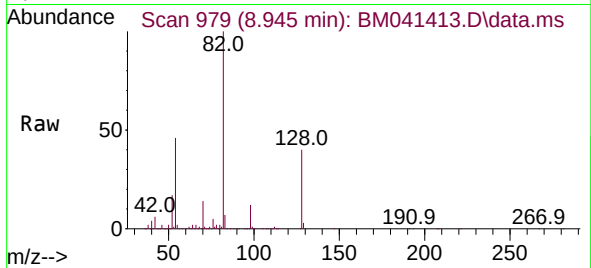




#23
Nitrobenzene-d5
Concen: 68.853 ng
RT: 8.945 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

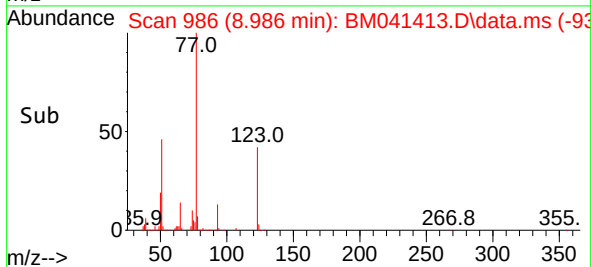
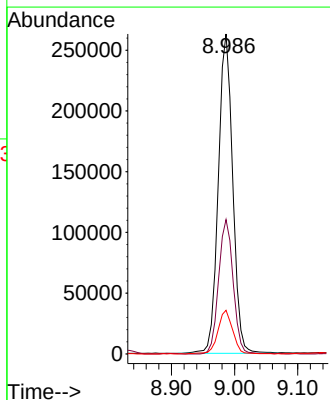
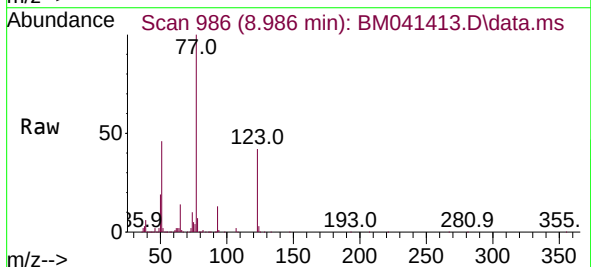
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

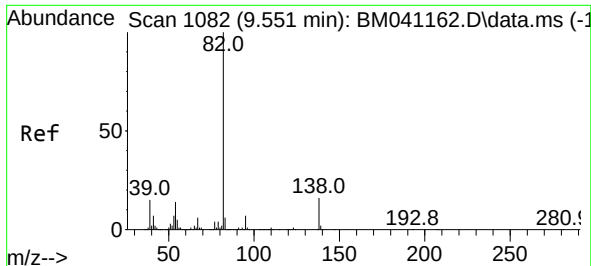
Tgt Ion: 82 Resp: 807350
Ion Ratio Lower Upper
82 100
128 39.8 31.8 47.6
54 46.2 40.1 60.1



#24
Nitrobenzene
Concen: 35.212 ng
RT: 8.986 min Scan# 986
Delta R.T. -0.006 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion: 77 Resp: 417545
Ion Ratio Lower Upper
77 100
123 42.0 34.2 51.2
65 13.6 10.7 16.1

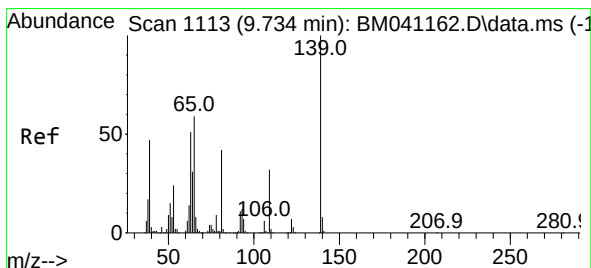
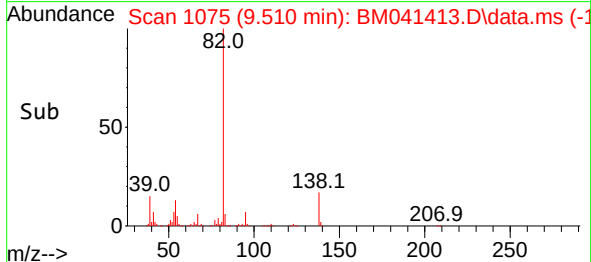
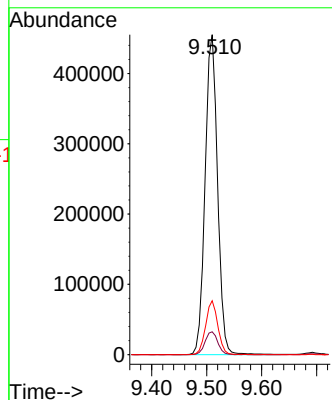
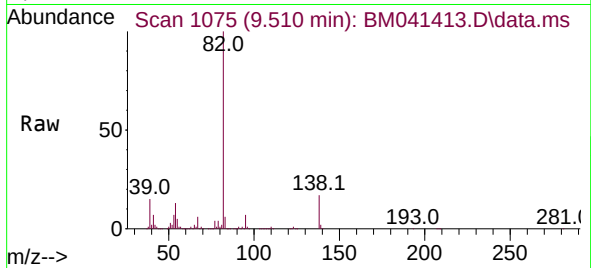




#25
Isophorone
Concen: 35.805 ng
RT: 9.510 min Scan# 1106
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

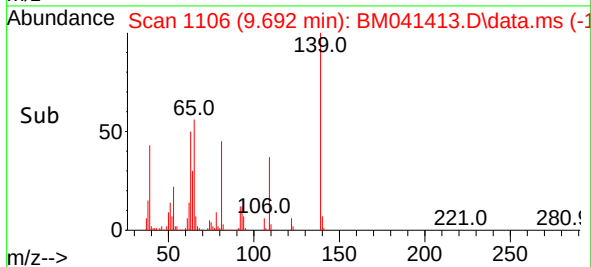
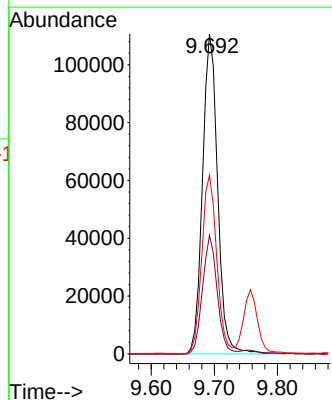
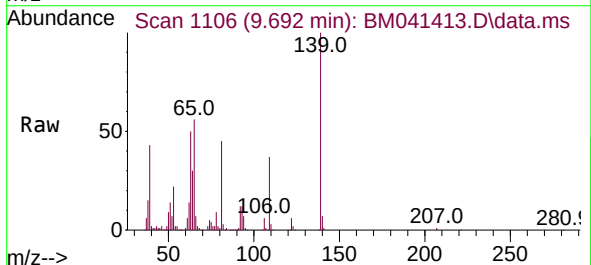
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

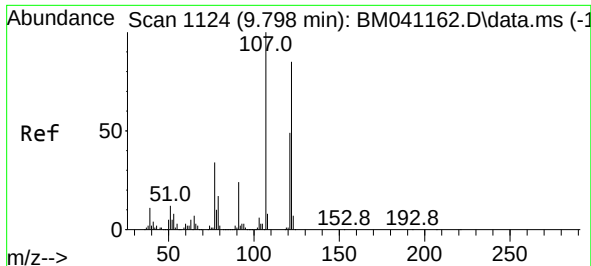
Tgt Ion: 82 Resp: 712685
Ion Ratio Lower Upper
82 100
95 7.1 5.3 7.9
138 16.8 12.8 19.2



#26
2-Nitrophenol
Concen: 39.711 ng
RT: 9.692 min Scan# 1106
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion: 139 Resp: 184081
Ion Ratio Lower Upper
139 100
109 37.1 25.4 38.2
65 55.9 47.2 70.8





#27

2,4-Dimethylphenol

Concen: 33.362 ng

RT: 9.757 min Scan# 1117

Delta R.T. -0.012 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS

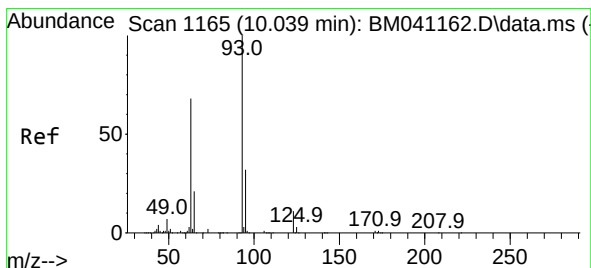
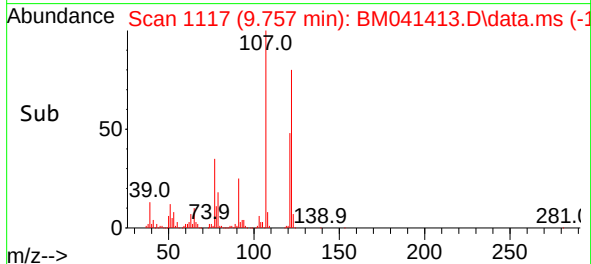
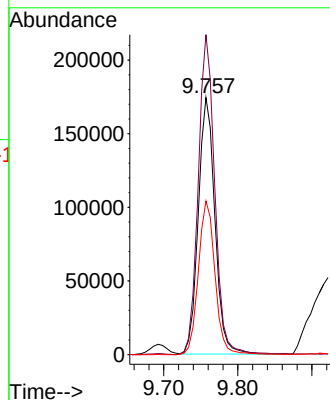
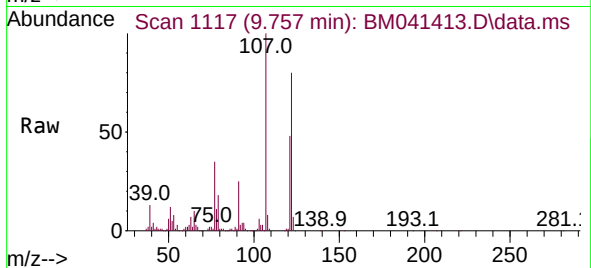
Tgt Ion:122 Resp: 272138

Ion Ratio Lower Upper

122 100

107 124.5 94.3 141.5

121 59.8 45.8 68.8



#28

bis(2-Chloroethoxy)methane

Concen: 34.251 ng

RT: 9.992 min Scan# 1157

Delta R.T. -0.012 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

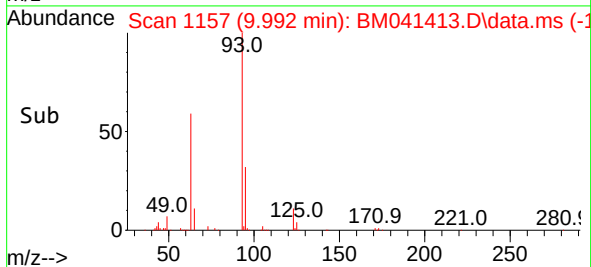
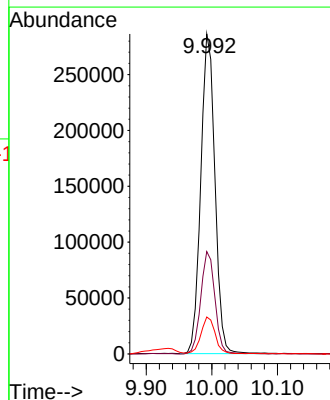
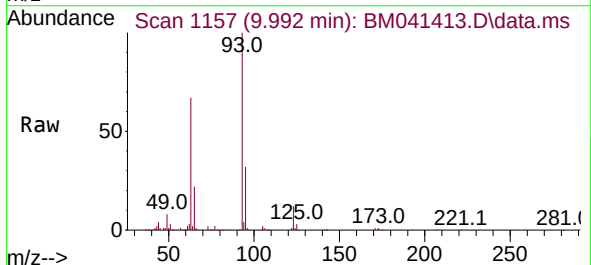
Tgt Ion: 93 Resp: 427050

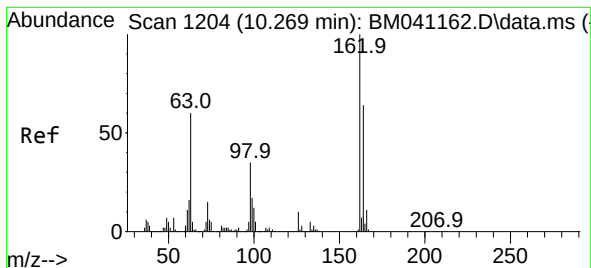
Ion Ratio Lower Upper

93 100

95 32.0 25.9 38.9

123 11.5 9.1 13.7

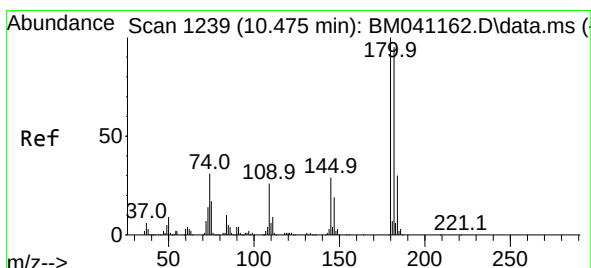
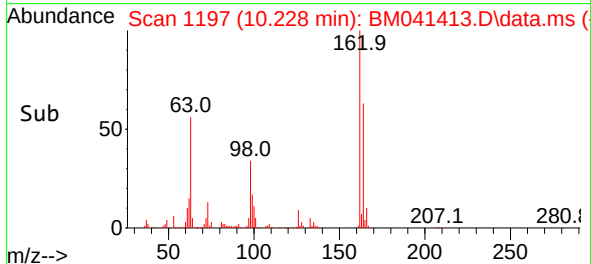
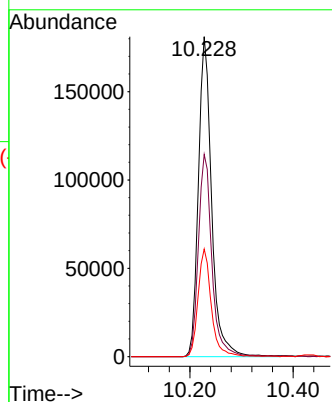
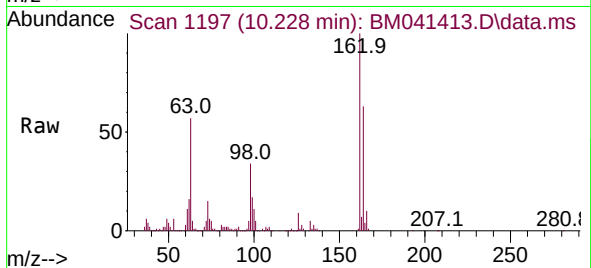




#29
2,4-Dichlorophenol
Concen: 39.124 ng
RT: 10.228 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

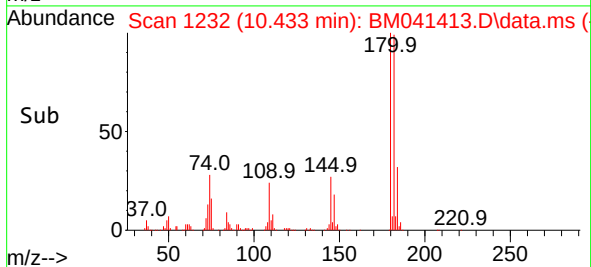
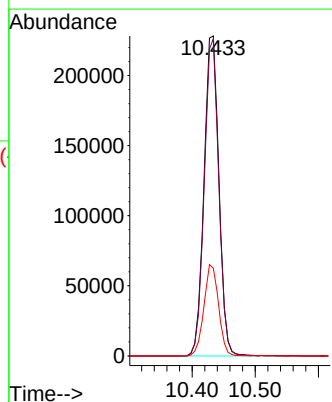
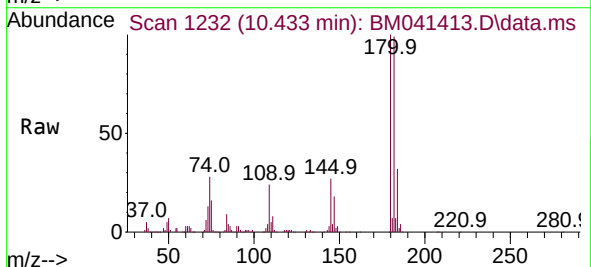
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

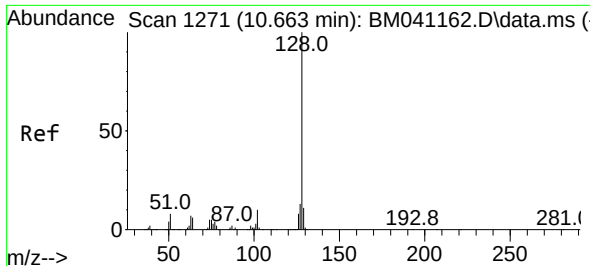
Tgt Ion:162 Resp: 321832
Ion Ratio Lower Upper
162 100
164 63.2 44.3 84.3
98 33.6 15.1 55.1



#30
1,2,4-Trichlorobenzene
Concen: 41.116 ng
RT: 10.433 min Scan# 1232
Delta R.T. -0.006 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:180 Resp: 373678
Ion Ratio Lower Upper
180 100
182 99.1 75.9 113.9
145 27.4 23.6 35.4

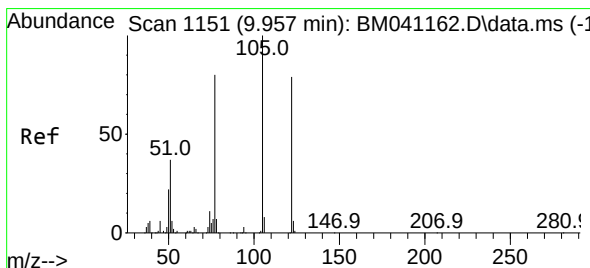
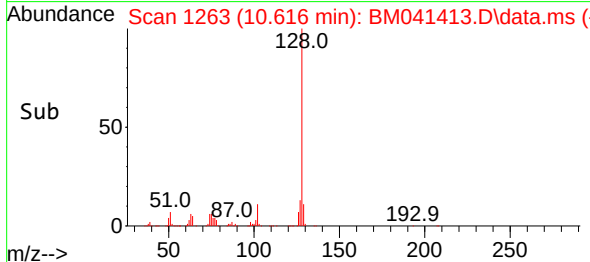
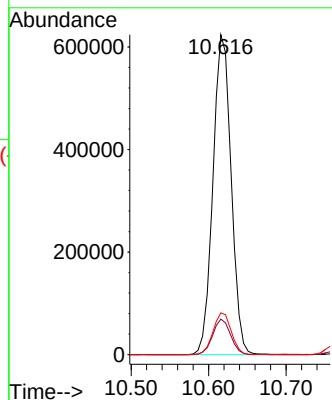
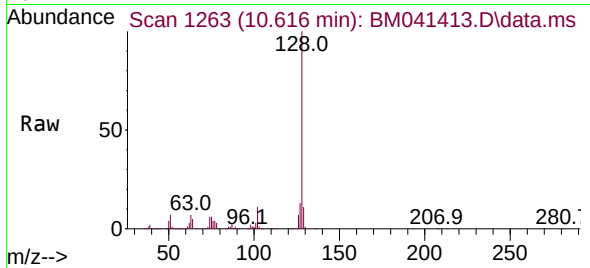




#31
Naphthalene
Concen: 34.484 ng
RT: 10.616 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

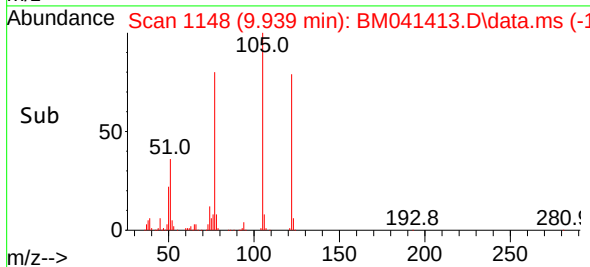
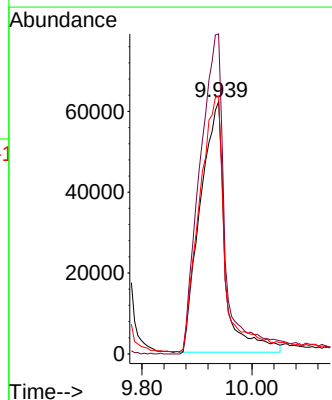
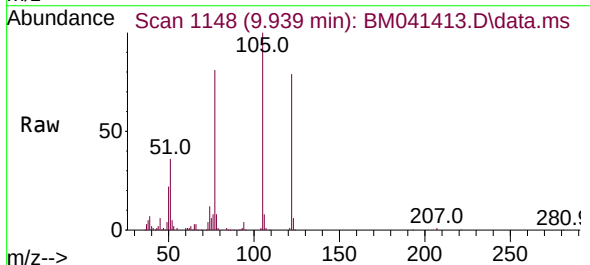
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

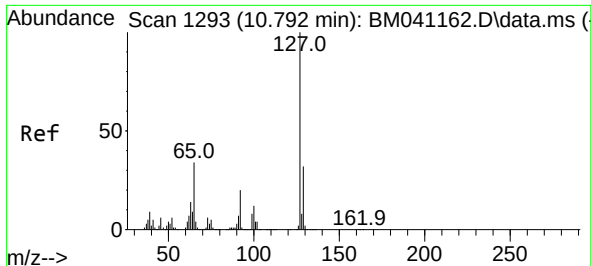
Tgt Ion:128 Resp: 1020412
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.0 10.5 15.7



#32
Benzoic acid
Concen: 34.104 ng
RT: 9.939 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:122 Resp: 194019
Ion Ratio Lower Upper
122 100
105 126.9 104.0 144.0
77 102.2 79.9 119.9

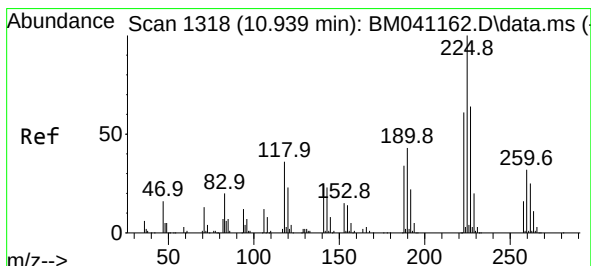
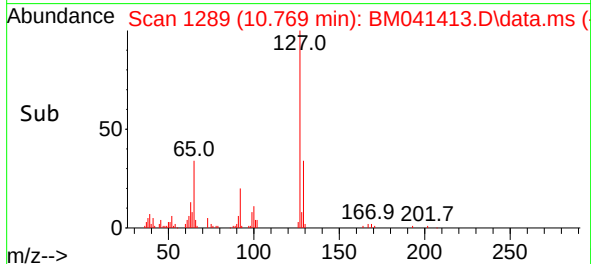
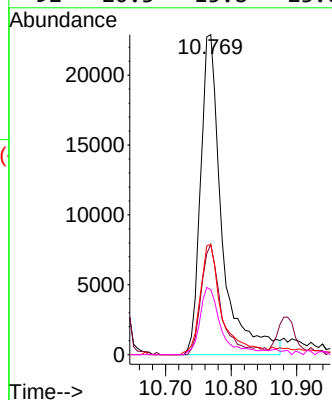
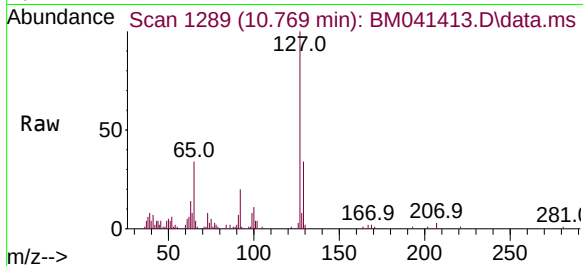




#33
4-Chloroaniline
Concen: 4.378 ng
RT: 10.769 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

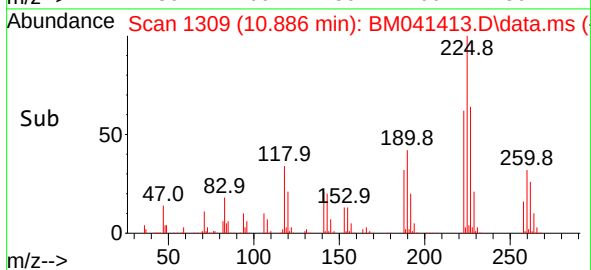
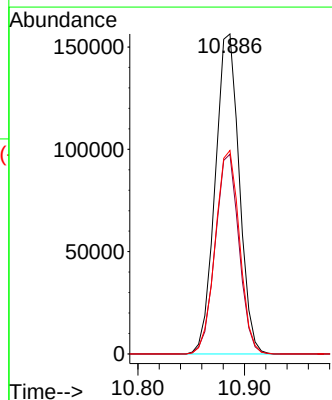
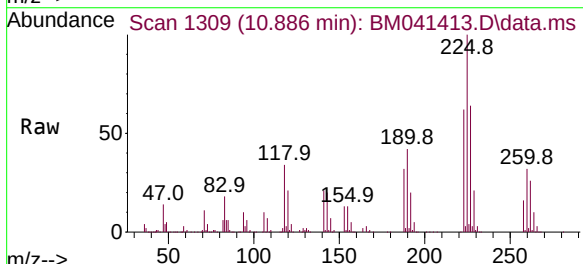
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

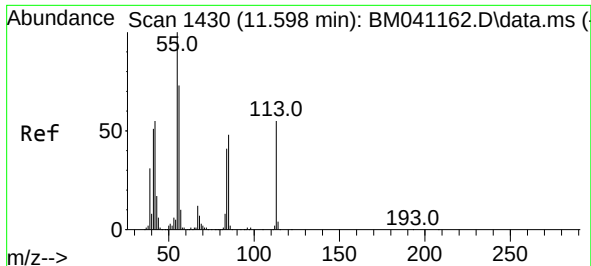
Tgt Ion:	127	Resp:	51772
Ion	Ratio	Lower	Upper
127	100		
129	34.5	25.9	38.9
65	34.4	26.9	40.3
92	20.3	15.8	23.6



#34
Hexachlorobutadiene
Concen: 44.836 ng
RT: 10.886 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:	225	Resp:	245076
Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.0	73.4
227	63.6	50.8	76.2

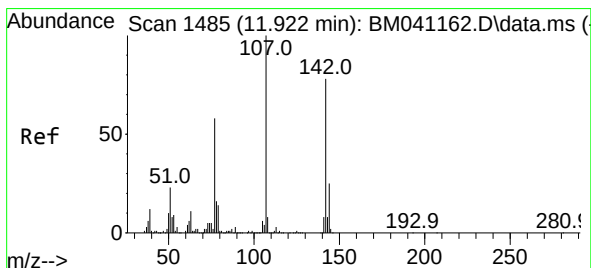
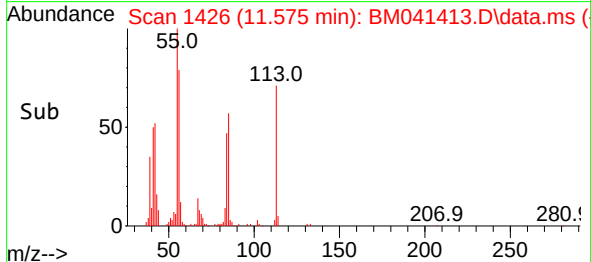
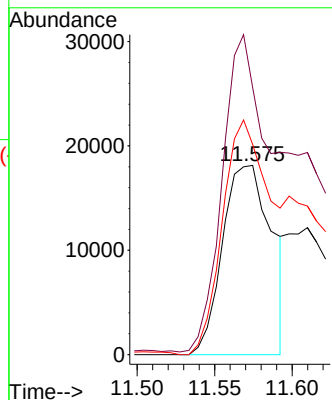
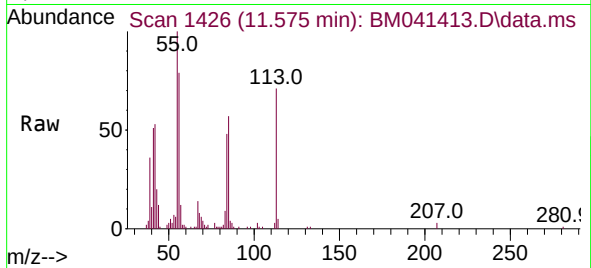




#35
 Caprolactam
 Concen: 16.787 ng
 RT: 11.575 min Scan# 1430
 Delta R.T. -0.018 min
 Lab File: BM041413.D
 Acq: 15 Aug 2023 19:34

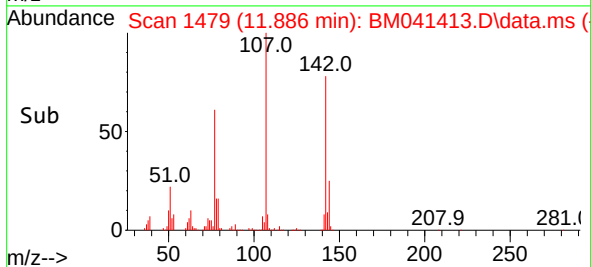
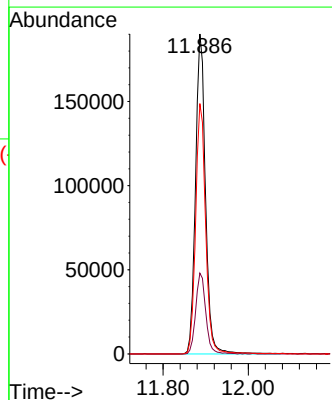
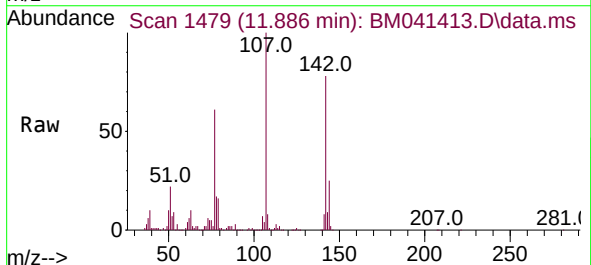
Instrument :
 BNA_M
 ClientSampleId :
 PNNL-APM2-0811-1MS

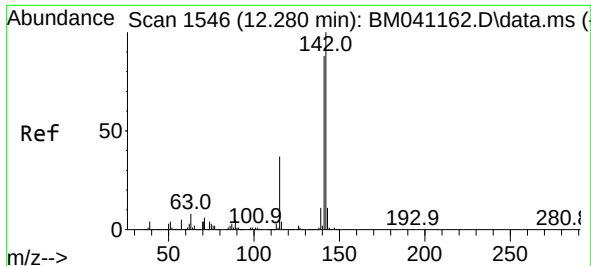
Tgt Ion:113 Resp: 39946
 Ion Ratio Lower Upper
 113 100
 55 141.1 162.5 202.5#
 56 111.1 114.1 154.1#



#36
 4-Chloro-3-methylphenol
 Concen: 35.616 ng
 RT: 11.886 min Scan# 1479
 Delta R.T. -0.012 min
 Lab File: BM041413.D
 Acq: 15 Aug 2023 19:34

Tgt Ion:107 Resp: 308366
 Ion Ratio Lower Upper
 107 100
 144 25.2 20.1 30.1
 142 78.2 62.2 93.4

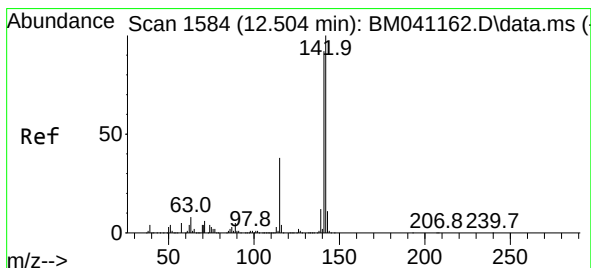
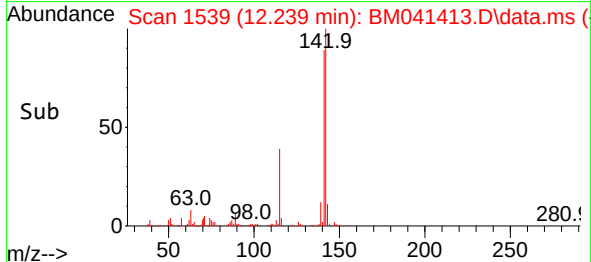
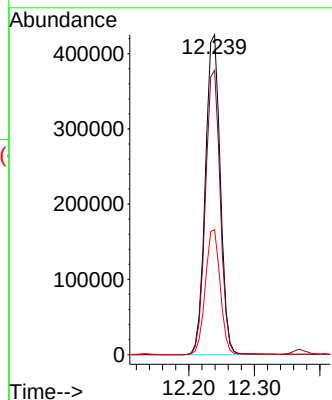
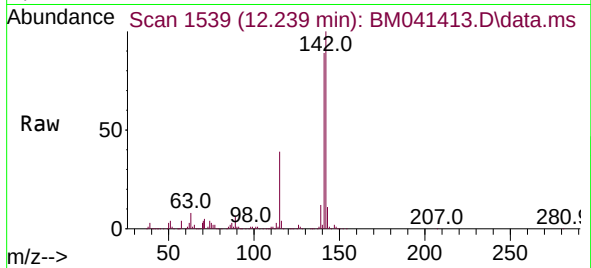




#37
2-Methylnaphthalene
Concen: 33.612 ng
RT: 12.239 min Scan# 1539
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

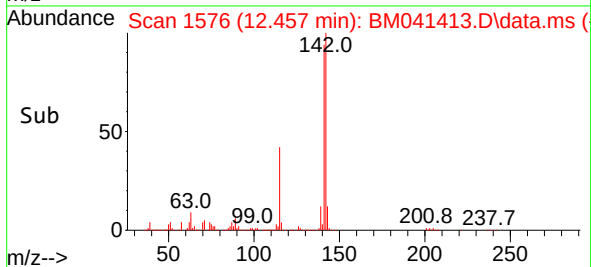
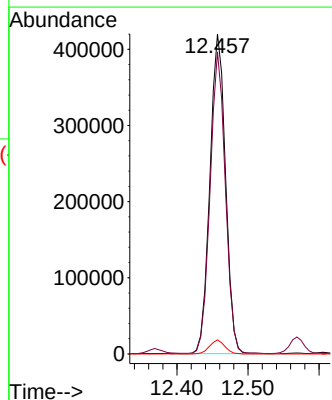
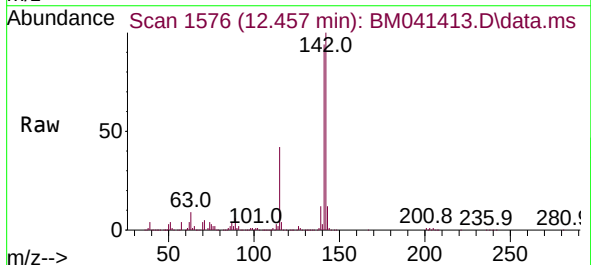
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

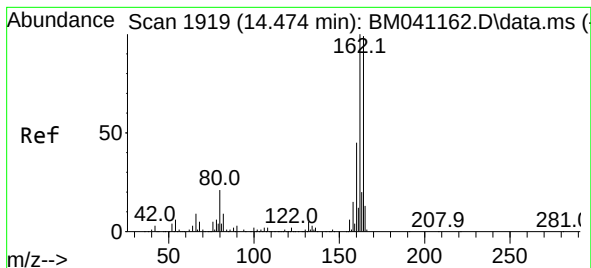
Tgt Ion:142 Resp: 670544
Ion Ratio Lower Upper
142 100
141 88.8 70.7 106.1
115 39.0 29.3 43.9



#38
1-Methylnaphthalene
Concen: 34.265 ng
RT: 12.457 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:142 Resp: 639778
Ion Ratio Lower Upper
142 100
141 94.4 73.4 110.2
116 4.4 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.427 min Scan# 1911

Delta R.T. -0.012 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS

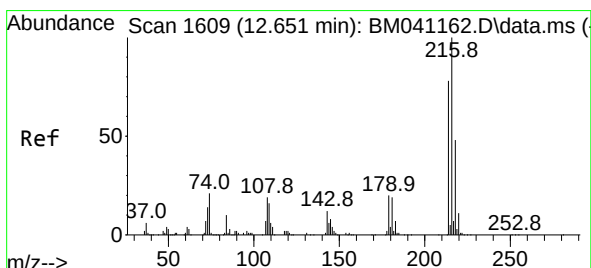
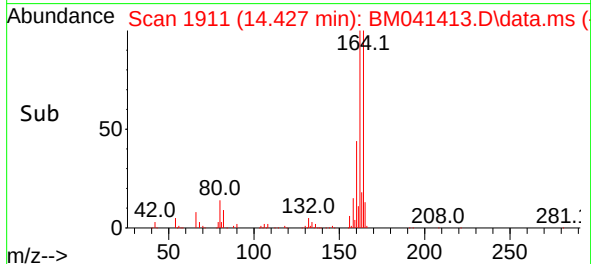
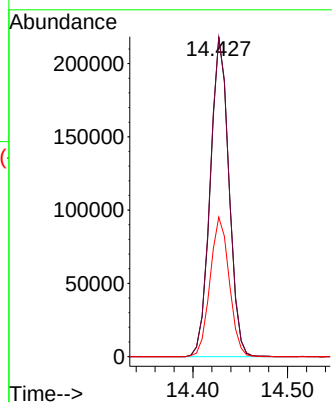
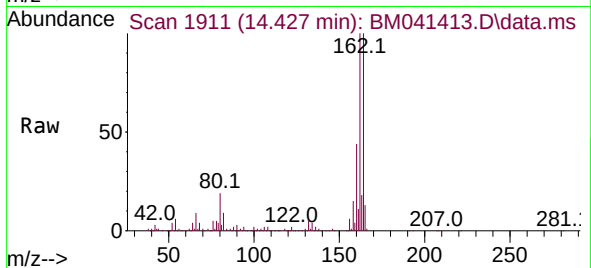
Tgt Ion:164 Resp: 298051

Ion Ratio Lower Upper

164 100

162 99.7 80.4 120.6

160 43.6 36.2 54.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.973 ng

RT: 12.610 min Scan# 1602

Delta R.T. -0.012 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Tgt Ion:216 Resp: 396541

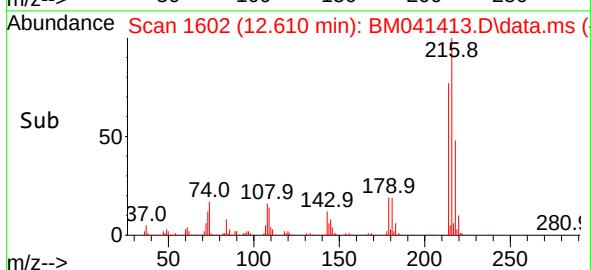
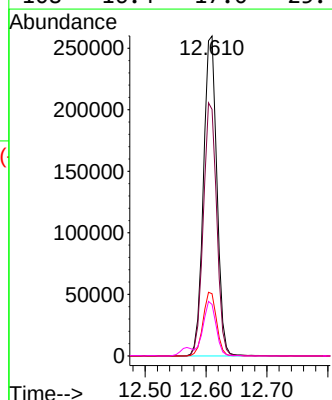
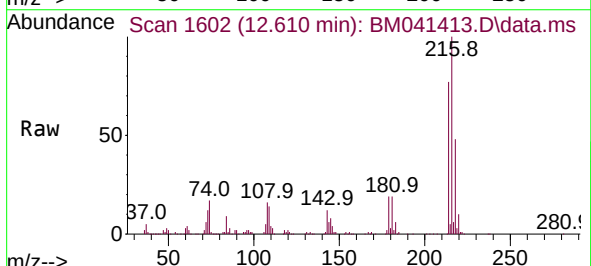
Ion Ratio Lower Upper

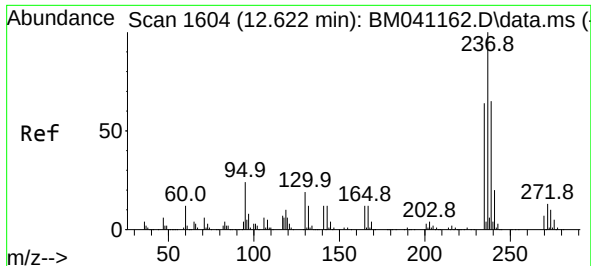
216 100

214 78.7 63.2 94.8

179 19.9 16.2 24.2

108 16.4 17.0 25.4#

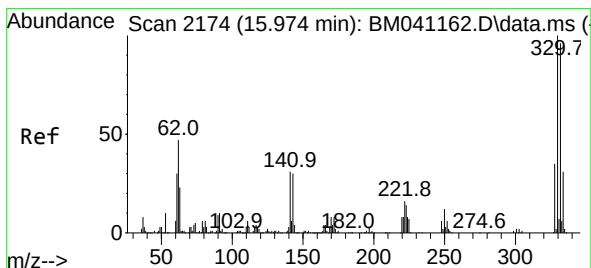
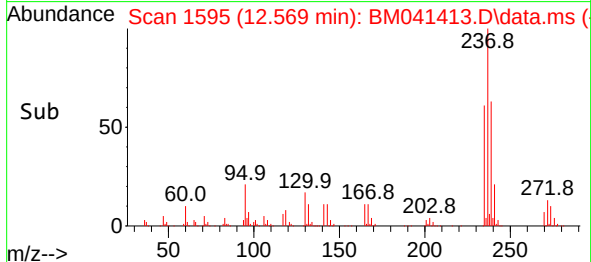
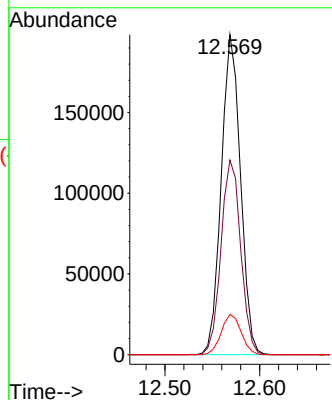
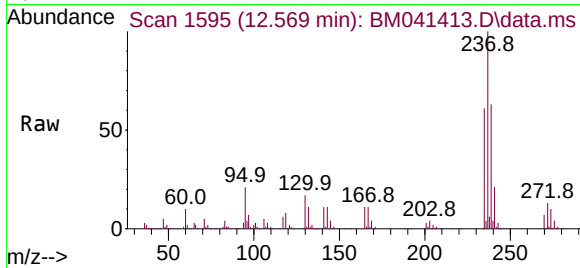




#41
Hexachlorocyclopentadiene
Concen: 54.545 ng
RT: 12.569 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

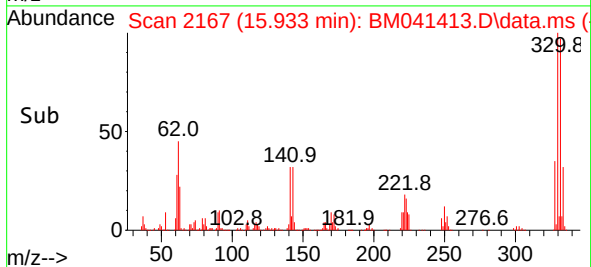
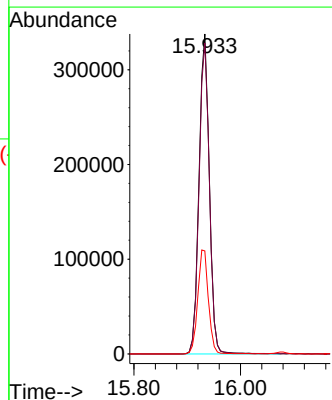
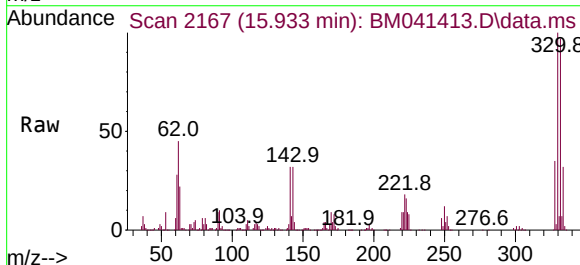
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

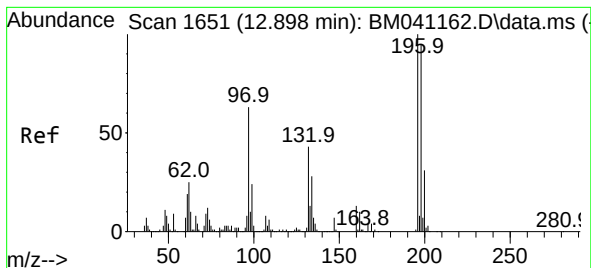
Tgt Ion:237 Resp: 279278
Ion Ratio Lower Upper
237 100
235 60.8 43.6 83.6
272 12.6 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 107.655 ng
RT: 15.933 min Scan# 2167
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:330 Resp: 453850
Ion Ratio Lower Upper
330 100
332 97.2 77.7 116.5
141 33.4 28.3 42.5





#43

2,4,6-Trichlorophenol

Concen: 40.623 ng

RT: 12.863 min Scan# 1645

Delta R.T. -0.012 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS

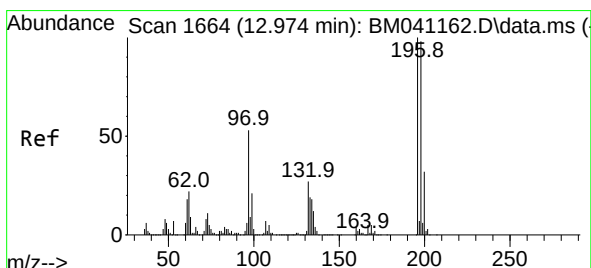
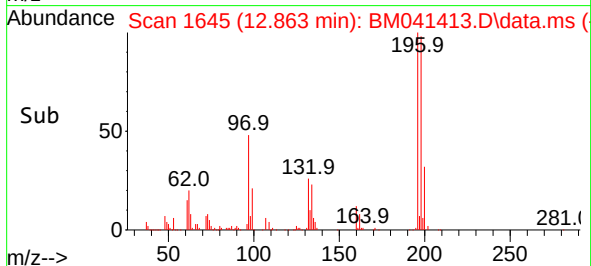
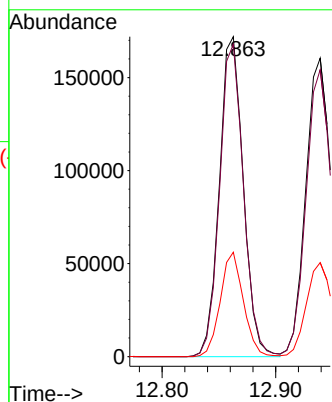
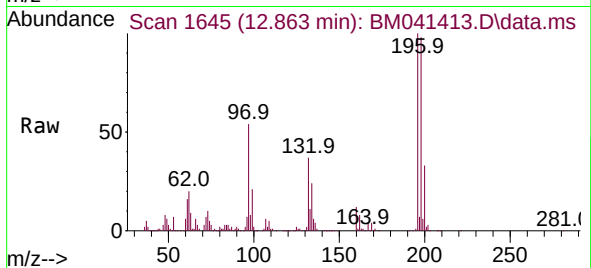
Tgt Ion:196 Resp: 251988

Ion Ratio Lower Upper

196 100

198 97.6 76.2 114.4

200 32.6 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 37.450 ng

RT: 12.939 min Scan# 1658

Delta R.T. -0.012 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Tgt Ion:196 Resp: 268877

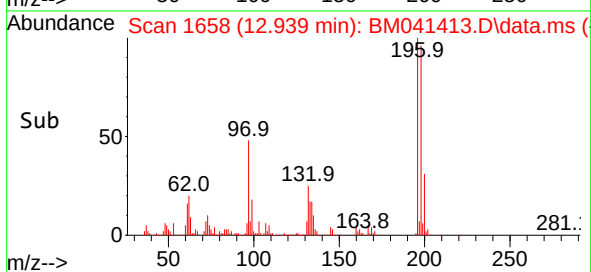
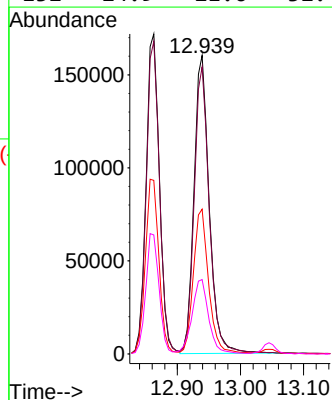
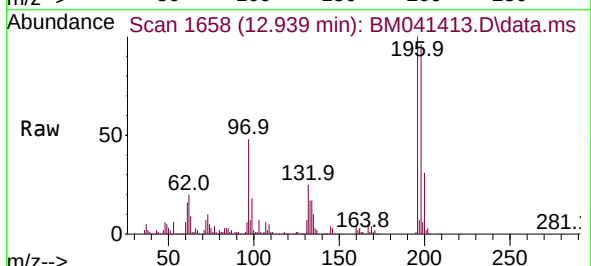
Ion Ratio Lower Upper

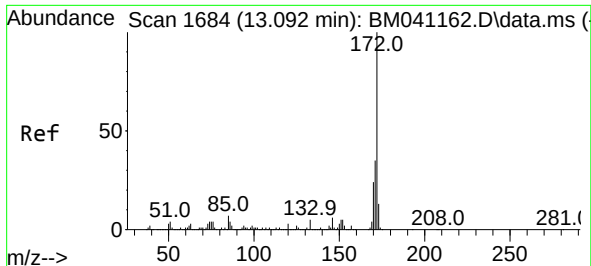
196 100

198 96.2 78.2 117.4

97 48.5 42.7 64.1

132 24.9 21.6 32.4

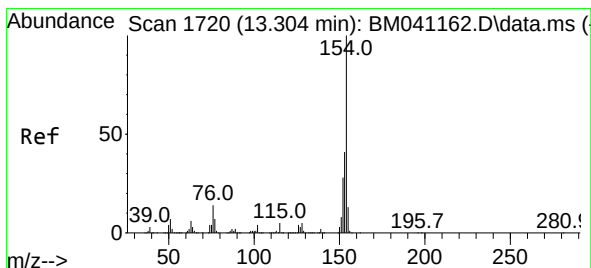
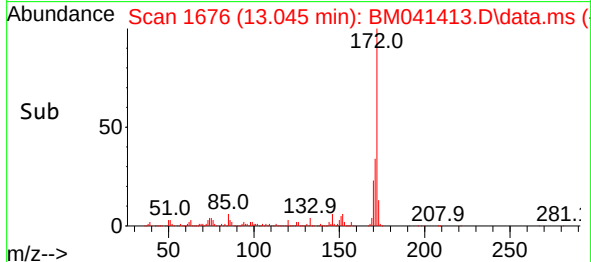
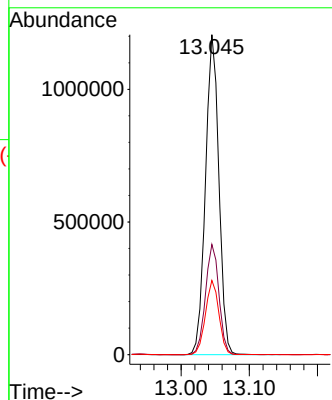
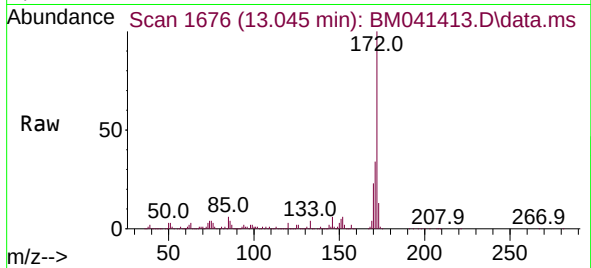




#45
2-Fluorobiphenyl
Concen: 69.797 ng
RT: 13.045 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

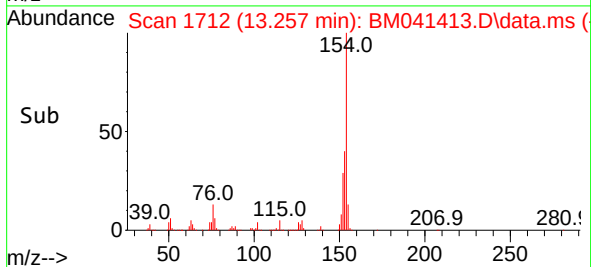
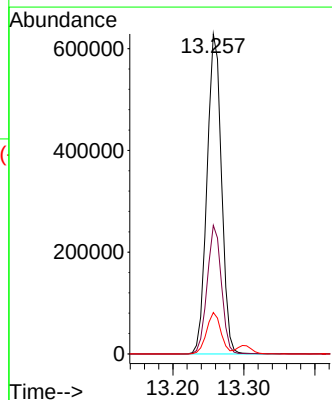
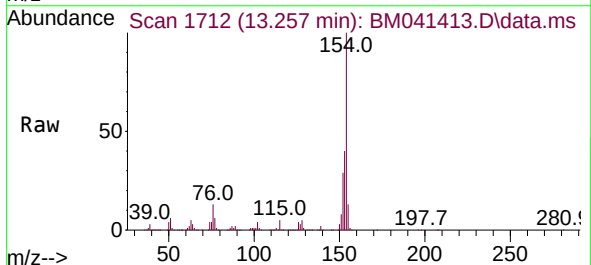
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

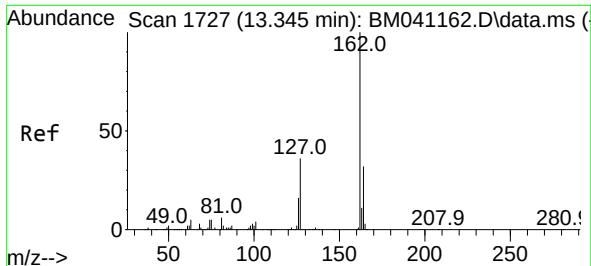
Tgt Ion:172 Resp: 1646797
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.2 18.9 28.3



#46
1,1'-Biphenyl
Concen: 36.646 ng
RT: 13.257 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:154 Resp: 885453
Ion Ratio Lower Upper
154 100
153 40.2 20.5 60.5
76 12.9 0.0 34.1

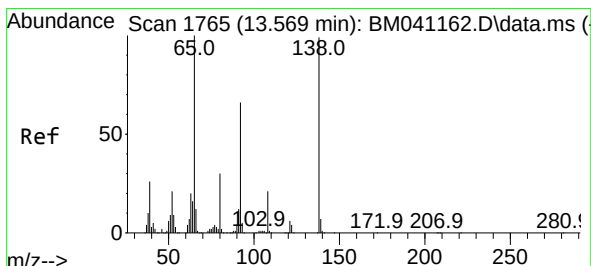
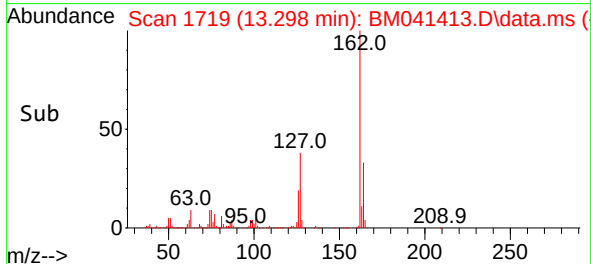
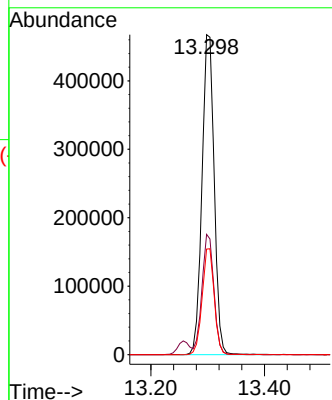
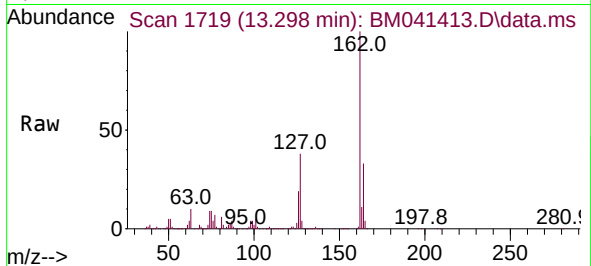




#47
2-Chloronaphthalene
Concen: 38.552 ng
RT: 13.298 min Scan# 1719
Delta R.T. -0.018 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

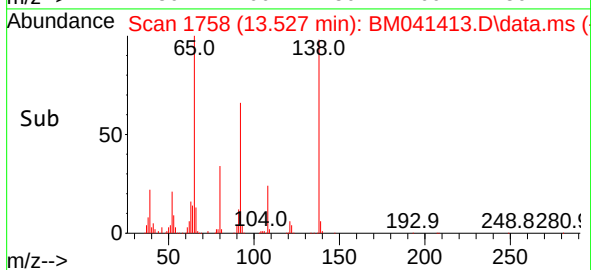
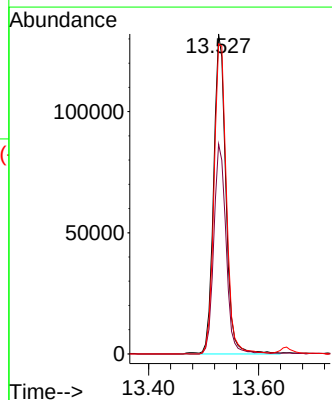
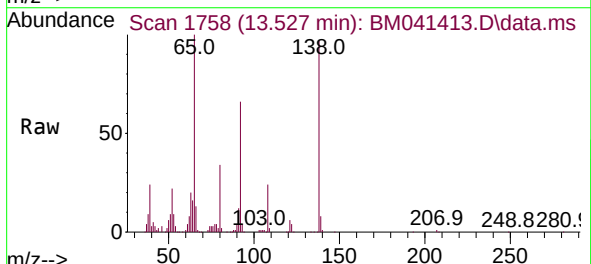
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

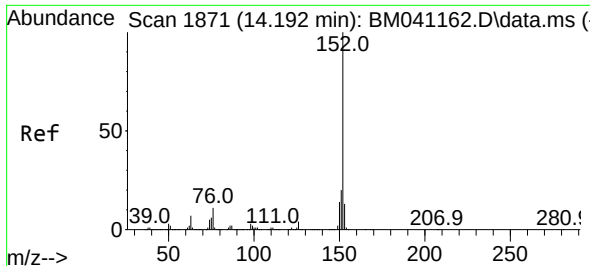
Tgt Ion:162 Resp: 695545
Ion Ratio Lower Upper
162 100
127 37.6 30.6 45.8
164 33.0 25.6 38.4



#48
2-Nitroaniline
Concen: 35.398 ng
RT: 13.527 min Scan# 1758
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion: 65 Resp: 203854
Ion Ratio Lower Upper
65 100
92 65.6 53.0 79.4
138 96.9 79.1 118.7

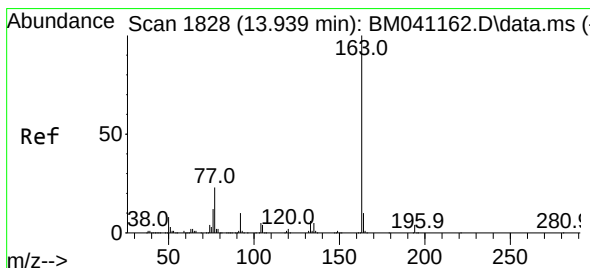
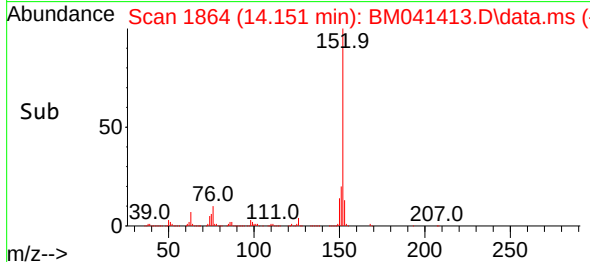
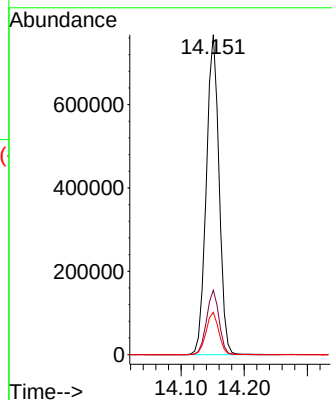
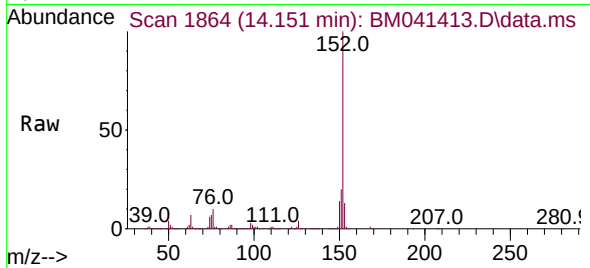




#49
Acenaphthylene
Concen: 36.812 ng
RT: 14.151 min Scan# 1871
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

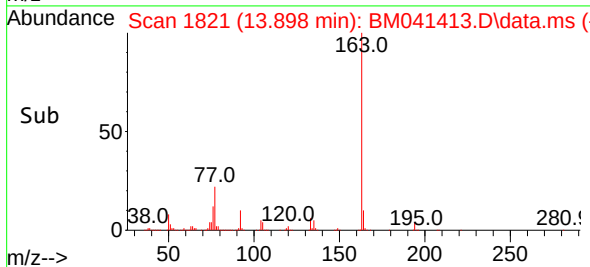
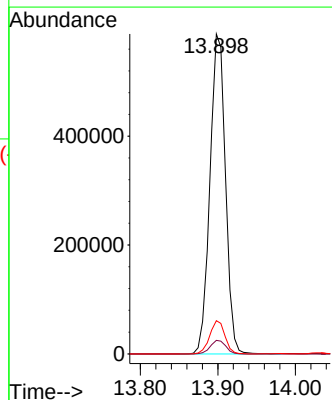
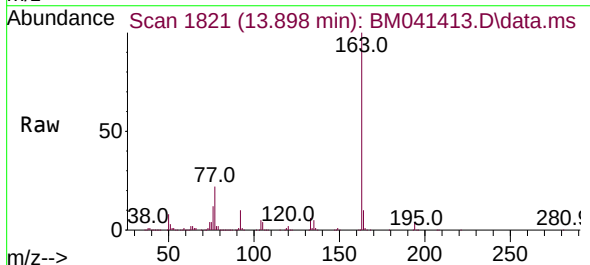
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

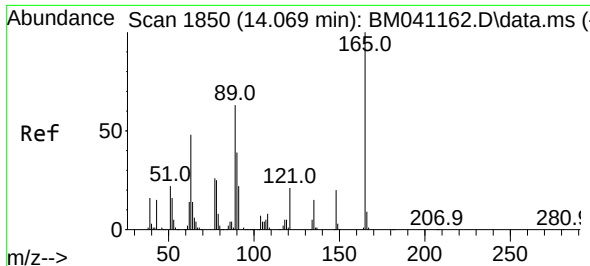
Tgt Ion:152 Resp: 1071977
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.2 10.5 15.7



#50
Dimethylphthalate
Concen: 36.426 ng
RT: 13.898 min Scan# 1821
Delta R.T. -0.018 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:163 Resp: 816659
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.4 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 38.128 ng

RT: 14.027 min Scan# 1850

Delta R.T. -0.018 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS

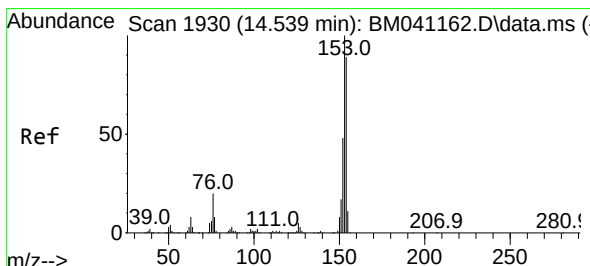
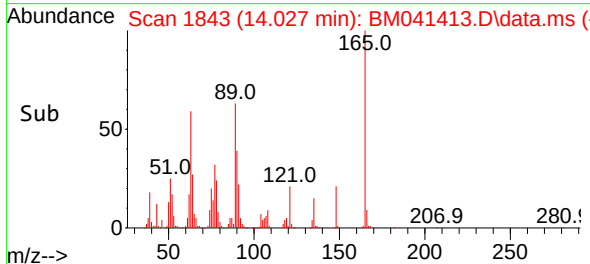
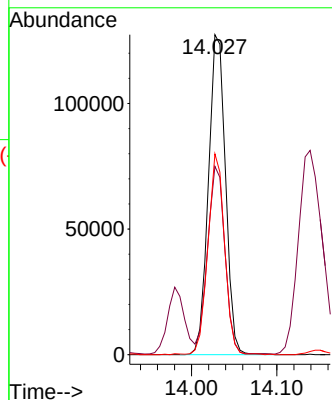
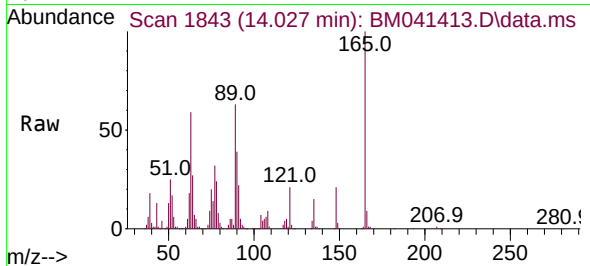
Tgt Ion:165 Resp: 177122

Ion Ratio Lower Upper

165 100

63 58.8 50.9 76.3

89 62.7 50.6 76.0



#52

Acenaphthene

Concen: 35.021 ng

RT: 14.492 min Scan# 1922

Delta R.T. -0.018 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

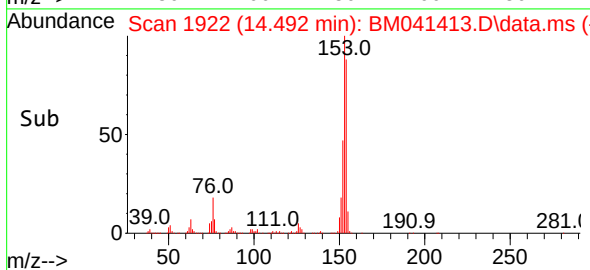
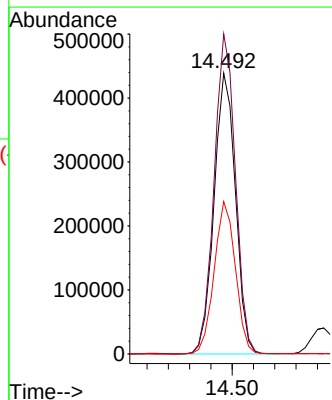
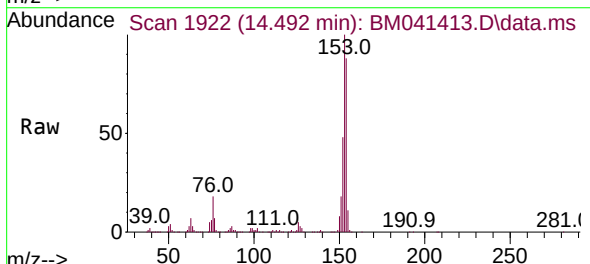
Tgt Ion:154 Resp: 614378

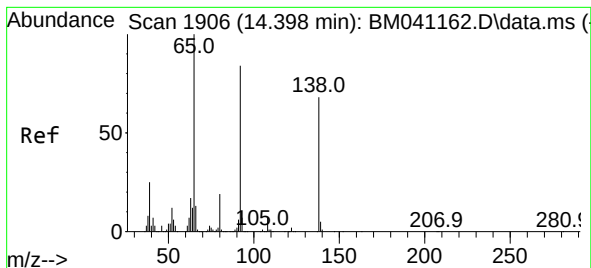
Ion Ratio Lower Upper

154 100

153 114.0 90.2 135.4

152 54.2 43.4 65.0

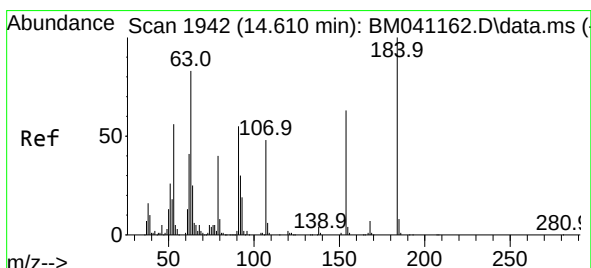
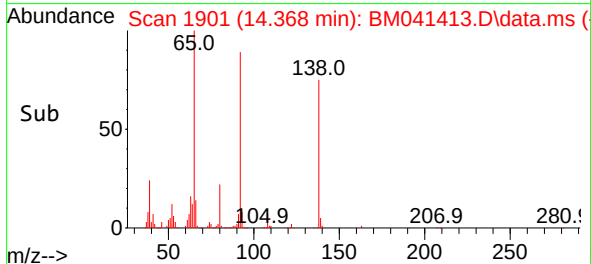
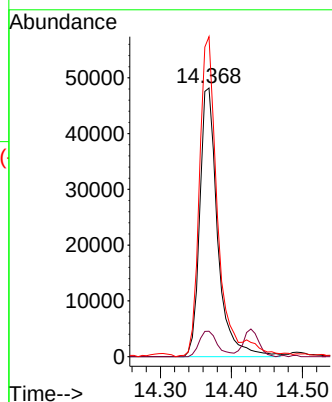
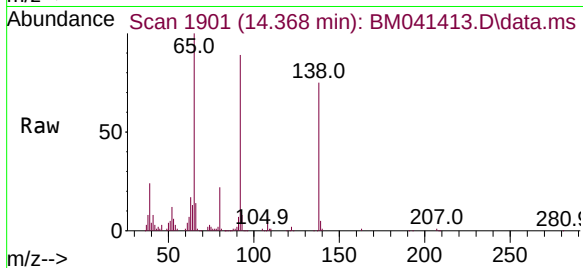




#53
3-Nitroaniline
Concen: 17.362 ng
RT: 14.368 min Scan# 1906
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

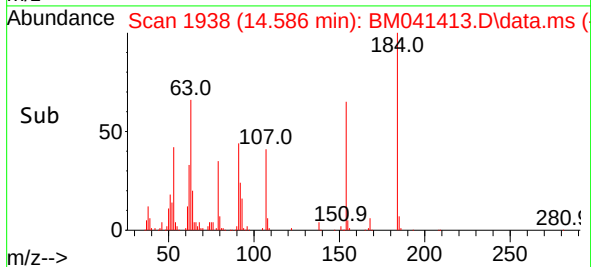
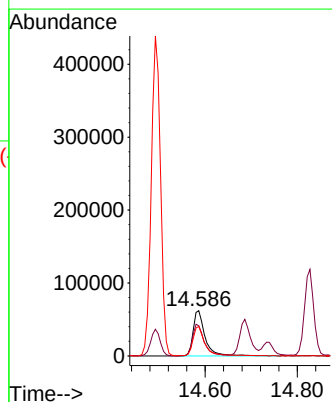
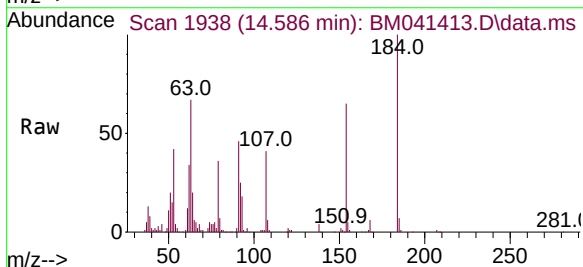
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

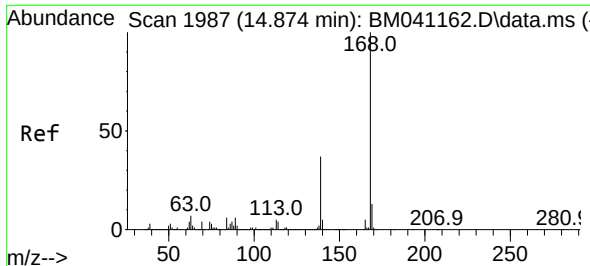
Tgt Ion:138 Resp: 83984
Ion Ratio Lower Upper
138 100
108 9.4 7.6 11.4
92 119.2 98.9 148.3



#54
2,4-Dinitrophenol
Concen: 38.721 ng
RT: 14.586 min Scan# 1938
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:184 Resp: 111283
Ion Ratio Lower Upper
184 100
63 66.8 66.5 99.7
154 65.2 52.8 79.2

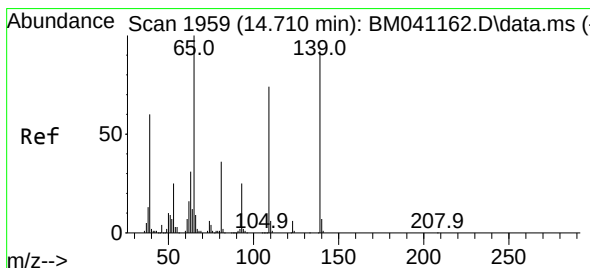
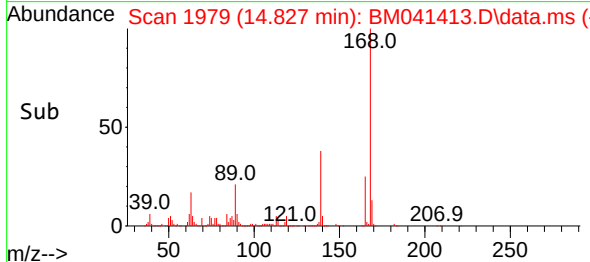
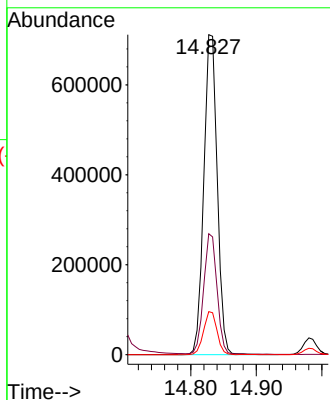
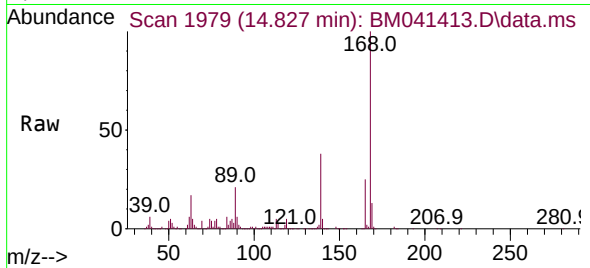




#55
Dibenzenofuran
Concen: 35.231 ng
RT: 14.827 min Scan# 1987
Delta R.T. -0.018 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

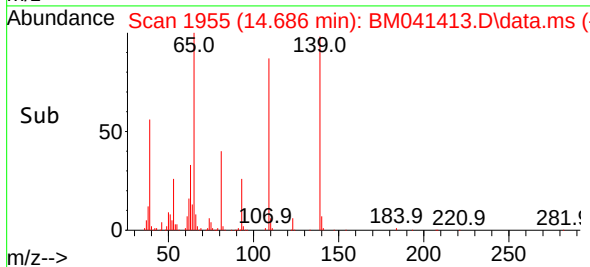
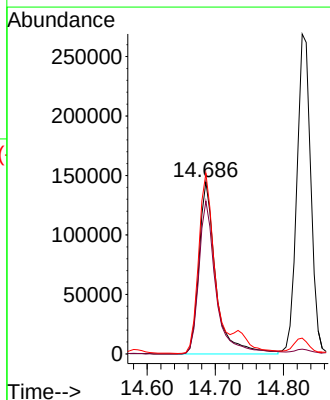
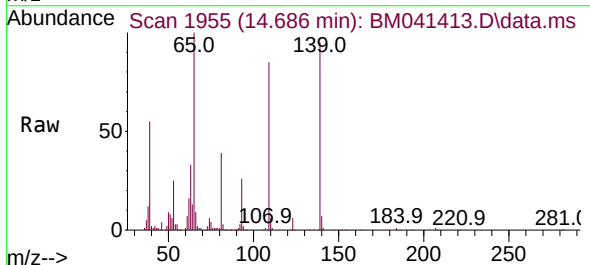
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

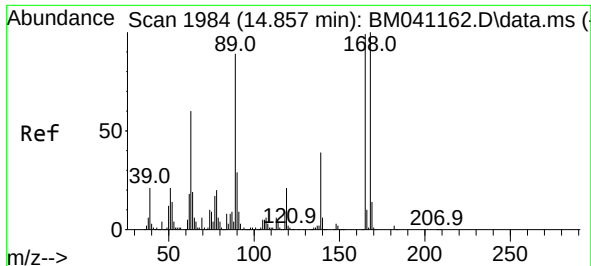
Tgt Ion:168 Resp: 1008401
Ion Ratio Lower Upper
168 100
139 37.8 29.8 44.6
169 13.4 10.5 15.7



#56
4-Nitrophenol
Concen: 64.225 ng
RT: 14.686 min Scan# 1955
Delta R.T. -0.018 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:139 Resp: 248652
Ion Ratio Lower Upper
139 100
109 88.9 61.2 101.2
65 104.9 89.5 129.5

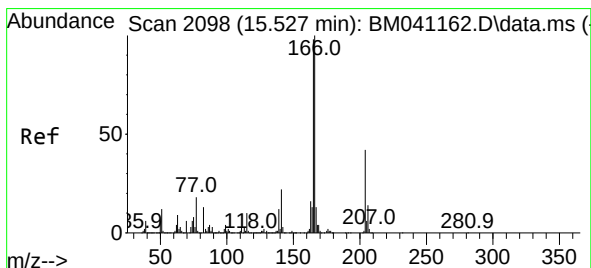
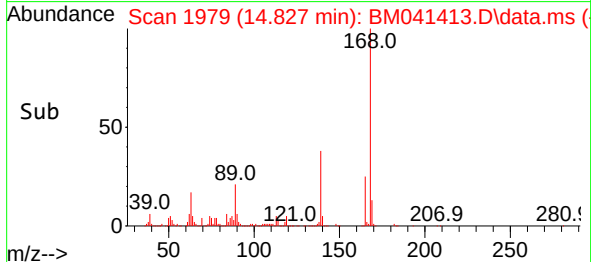
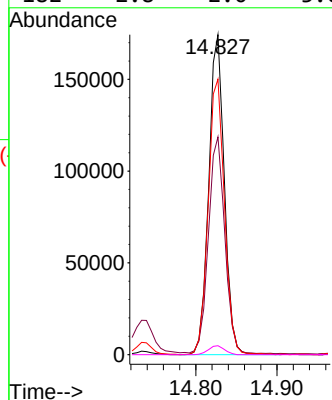
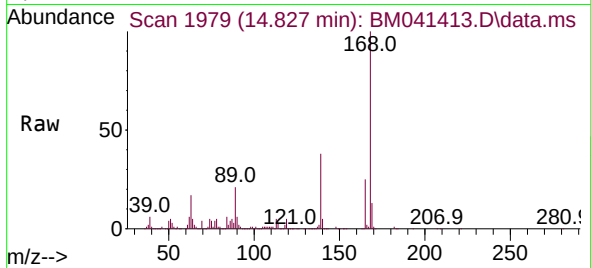




#57
2,4-Dinitrotoluene
Concen: 35.869 ng
RT: 14.827 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

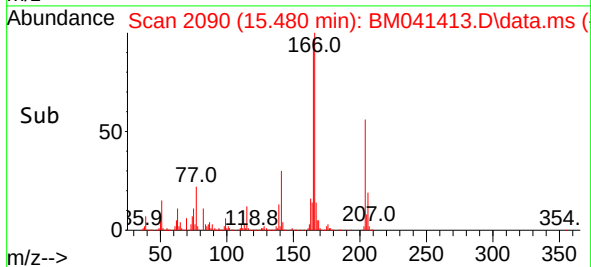
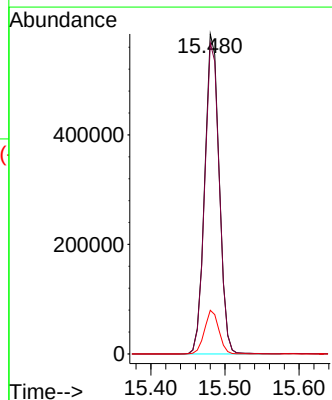
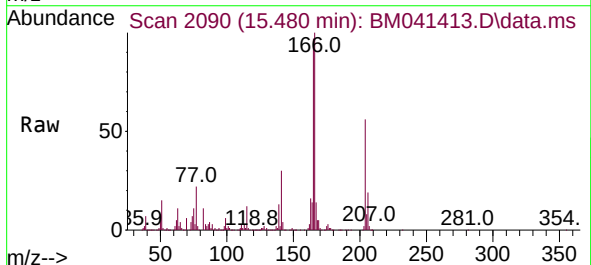
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

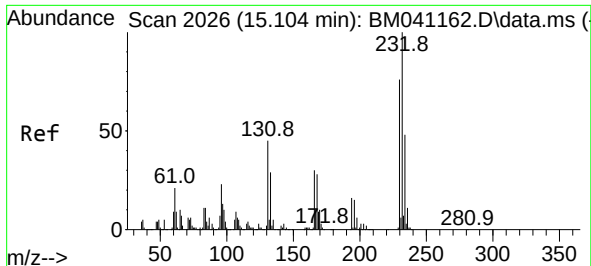
Tgt Ion:165 Resp: 233213
Ion Ratio Lower Upper
165 100
63 68.0 48.3 72.5
89 86.1 71.8 107.8
182 2.8 2.0 3.0



#58
Fluorene
Concen: 35.059 ng
RT: 15.480 min Scan# 2090
Delta R.T. -0.018 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:166 Resp: 791615
Ion Ratio Lower Upper
166 100
165 97.2 78.2 117.4
167 13.6 10.6 16.0

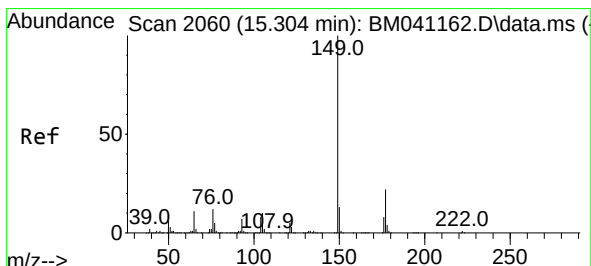
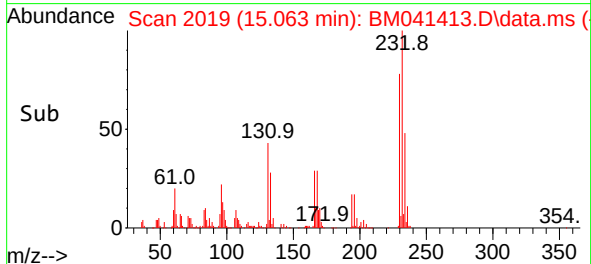
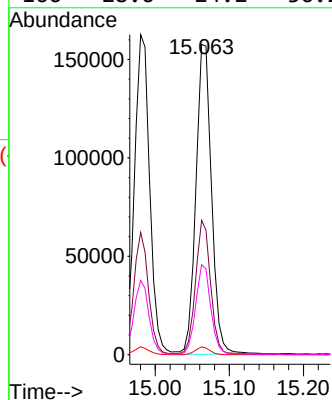
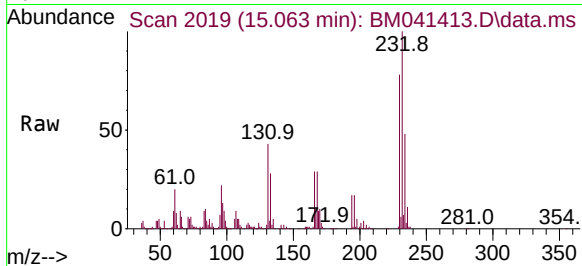




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.564 ng
RT: 15.063 min Scan# 20
Delta R.T. -0.018 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

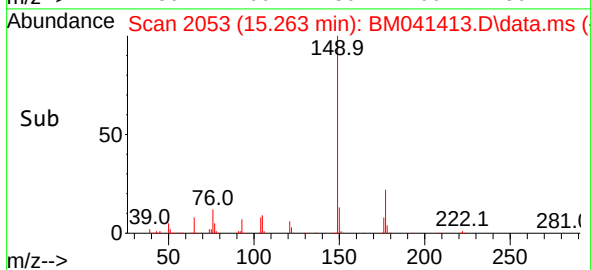
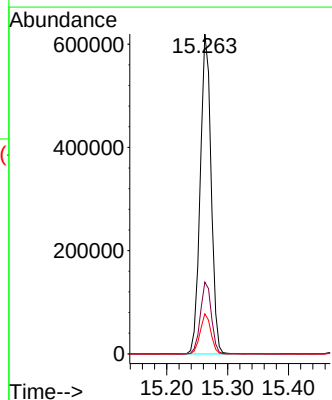
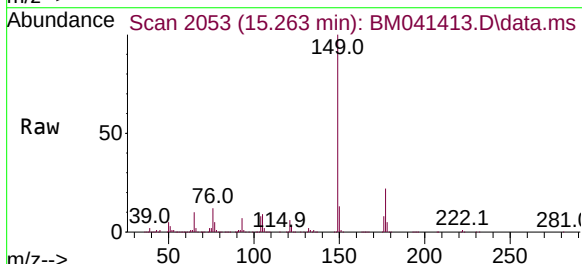
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

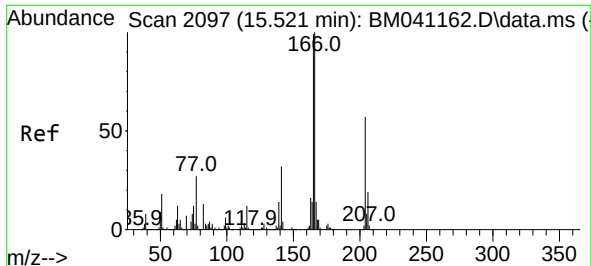
Tgt Ion:	232	Resp:	230018
Ion Ratio	Lower	Upper	
232	100		
131	41.4	36.9	55.3
130	2.3	2.0	3.0
166	28.6	24.2	36.2



#60
Diethylphthalate
Concen: 35.372 ng
RT: 15.263 min Scan# 2053
Delta R.T. -0.018 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:	149	Resp:	766911
Ion Ratio	Lower	Upper	
149	100		
177	22.4	17.5	26.3
150	12.5	10.1	15.1

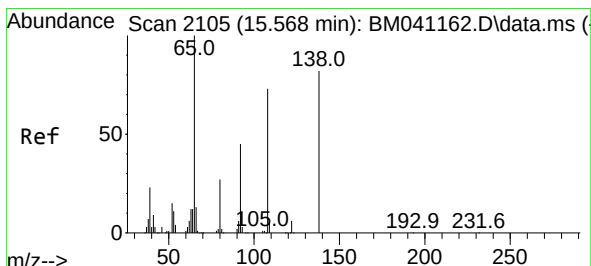
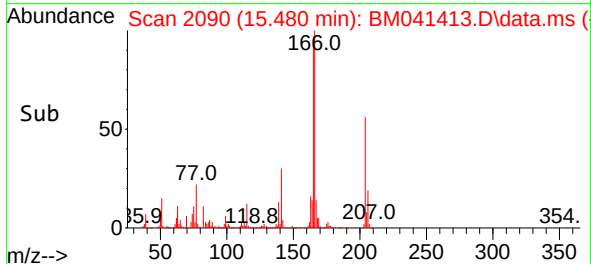
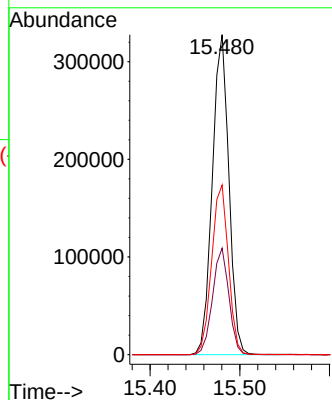
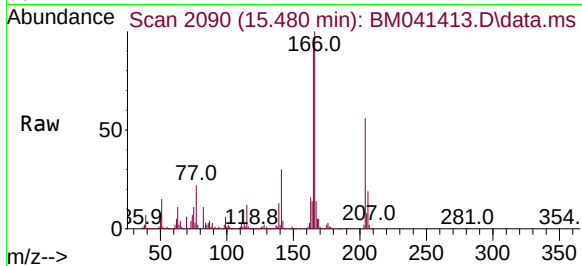




#61
4-Chlorophenyl-phenylether
Concen: 37.358 ng
RT: 15.480 min Scan# 2099
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

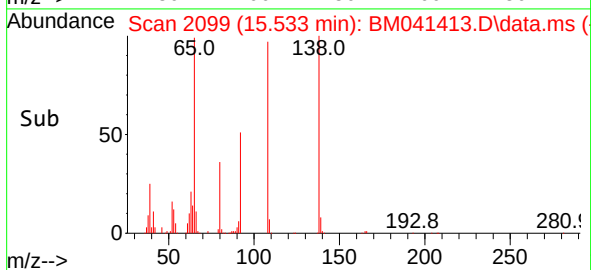
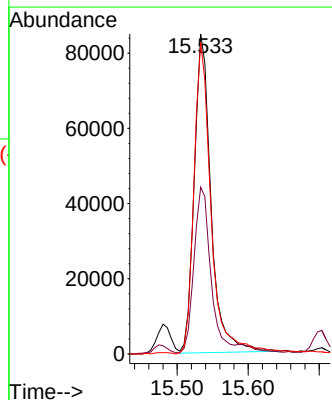
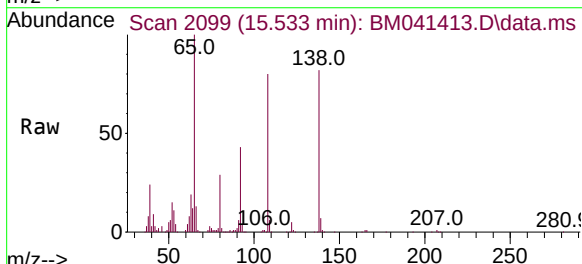
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

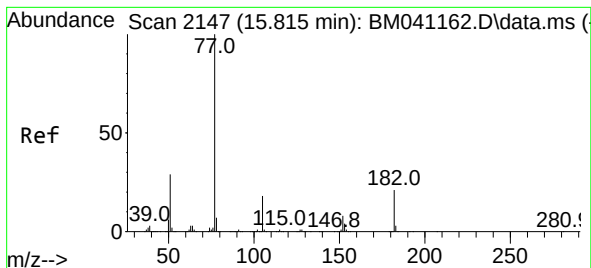
Tgt Ion:204 Resp: 422704
Ion Ratio Lower Upper
204 100
206 33.3 26.5 39.7
141 53.0 44.8 67.2



#62
4-Nitroaniline
Concen: 29.771 ng
RT: 15.533 min Scan# 2099
Delta R.T. -0.018 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:138 Resp: 138964
Ion Ratio Lower Upper
138 100
92 52.1 35.1 75.1
108 97.4 67.8 107.8





#63

Azobenzene

Concen: 32.935 ng

RT: 15.774 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS

Tgt Ion: 77 Resp: 782180

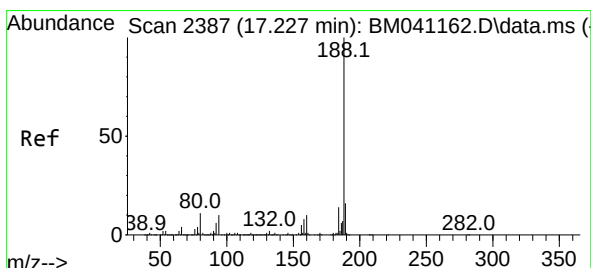
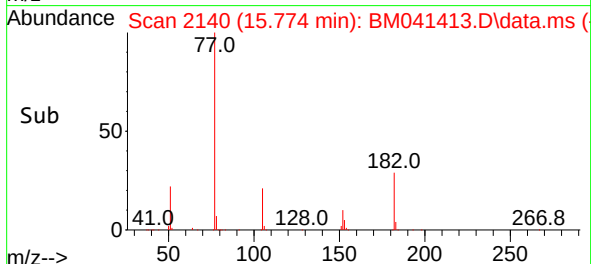
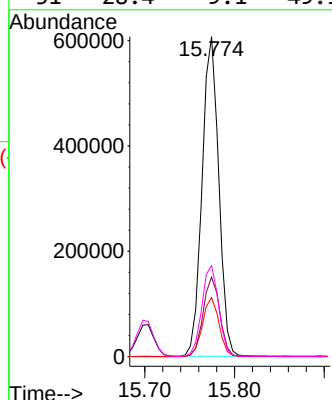
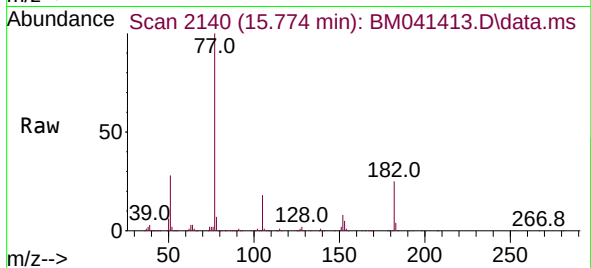
Ion Ratio Lower Upper

77 100

182 24.8 1.3 41.3

105 18.4 0.0 38.5

51 28.4 9.1 49.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.186 min Scan# 2380

Delta R.T. -0.018 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

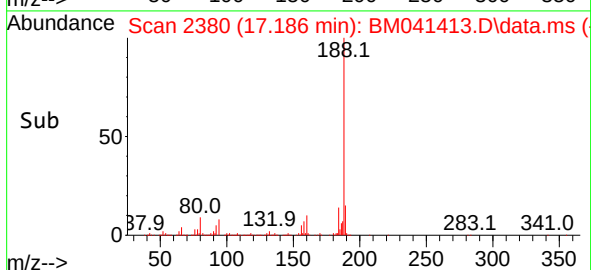
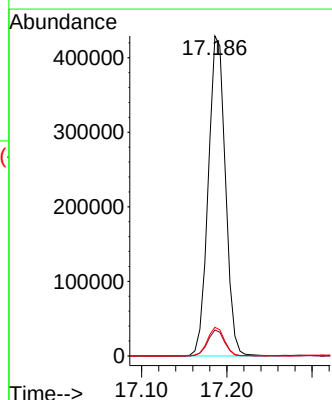
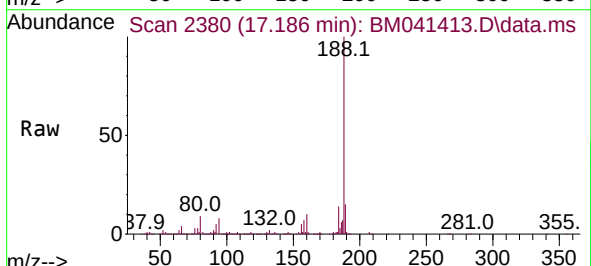
Tgt Ion:188 Resp: 599202

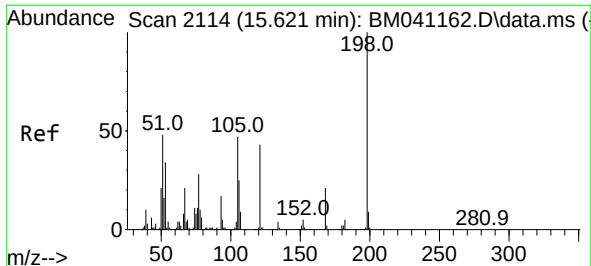
Ion Ratio Lower Upper

188 100

94 8.1 8.2 12.2#

80 8.9 8.6 13.0

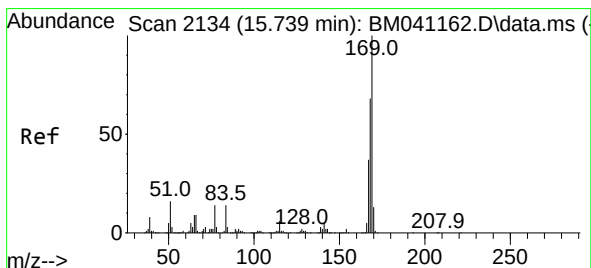
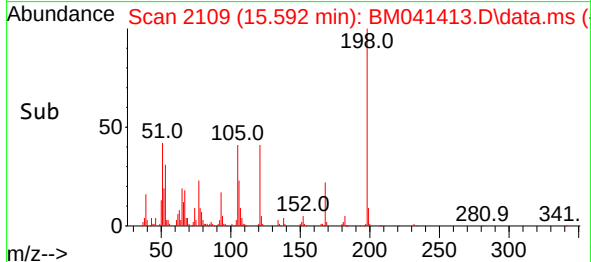
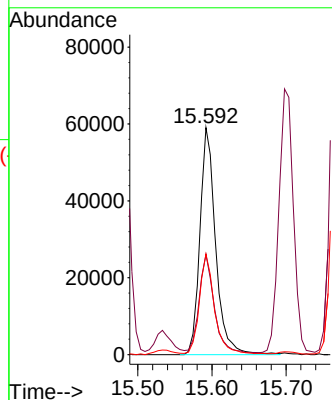
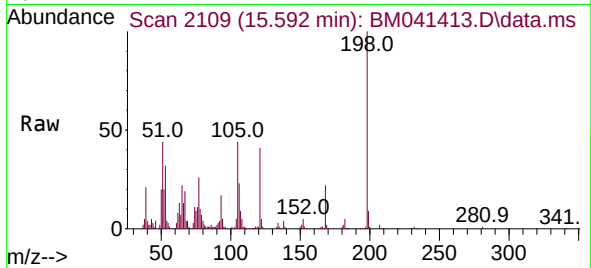




#65
4,6-Dinitro-2-methylphenol
Concen: 23.984 ng
RT: 15.592 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

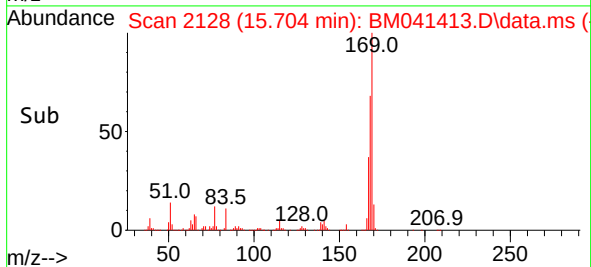
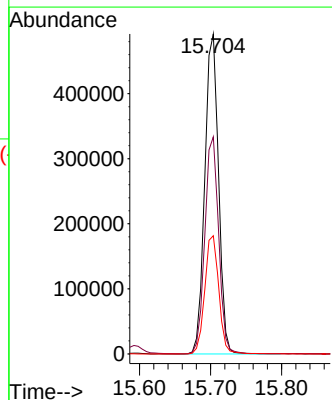
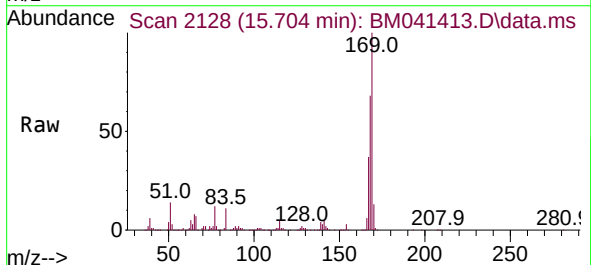
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

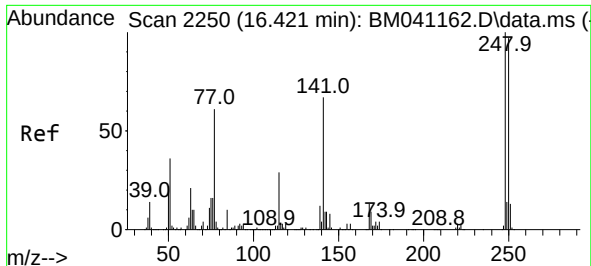
Tgt Ion:198 Resp: 87062
Ion Ratio Lower Upper
198 100
51 44.1 31.7 71.7
105 44.3 27.8 67.8



#66
n-Nitrosodiphenylamine
Concen: 35.275 ng
RT: 15.704 min Scan# 2128
Delta R.T. -0.012 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:169 Resp: 657364
Ion Ratio Lower Upper
169 100
168 67.8 54.6 81.8
167 36.9 29.9 44.9

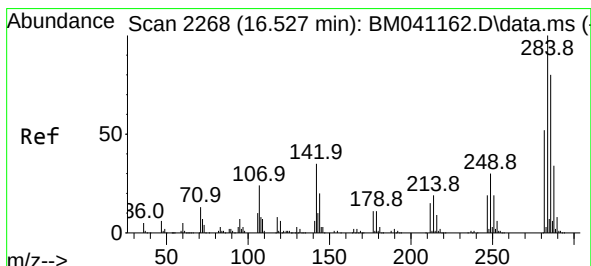
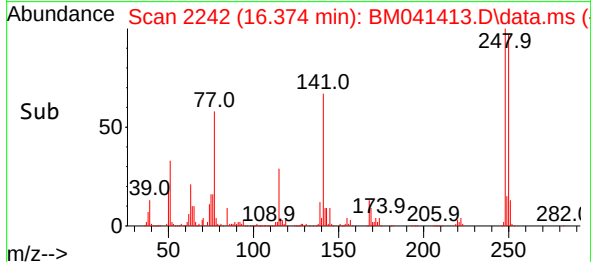
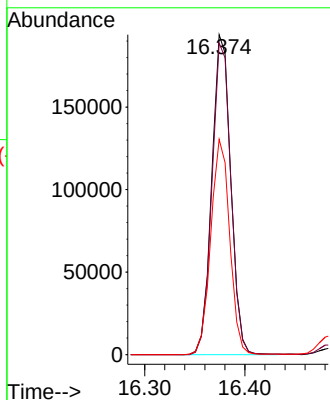
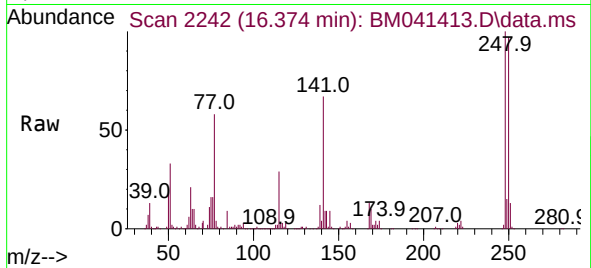




#67
4-Bromophenyl-phenylether
Concen: 38.828 ng
RT: 16.374 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

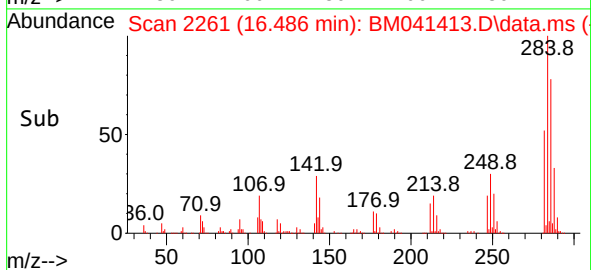
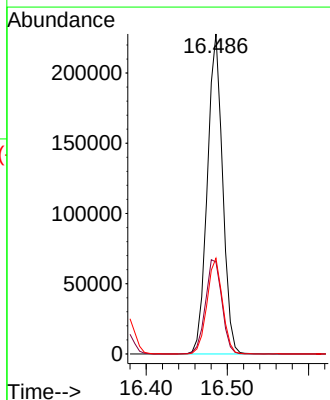
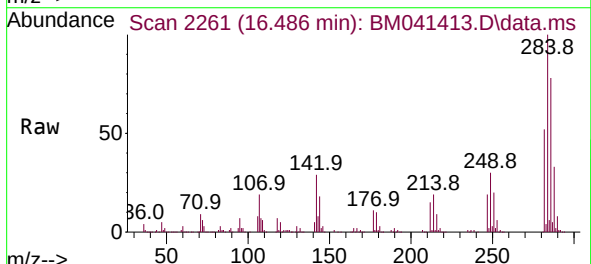
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

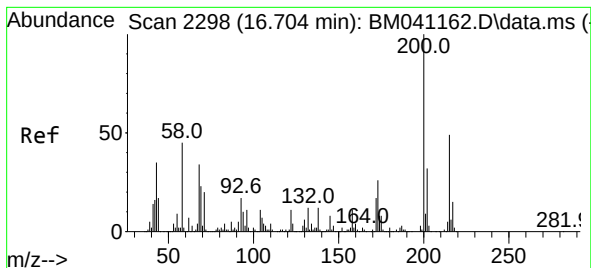
Tgt Ion:248 Resp: 255088
Ion Ratio Lower Upper
248 100
250 97.4 78.0 117.0
141 67.3 53.8 80.8



#68
Hexachlorobenzene
Concen: 40.790 ng
RT: 16.486 min Scan# 2261
Delta R.T. -0.018 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:284 Resp: 297983
Ion Ratio Lower Upper
284 100
142 28.7 28.0 42.0
249 29.9 23.7 35.5





#69

Atrazine

Concen: 47.987 ng

RT: 16.662 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS

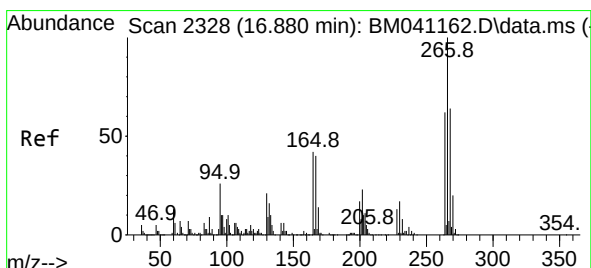
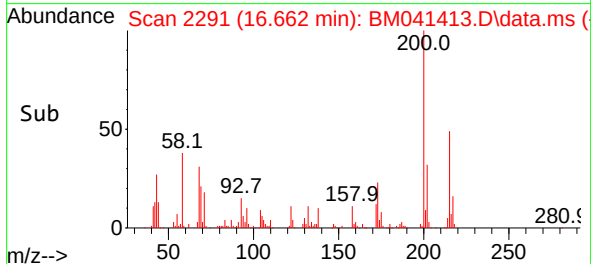
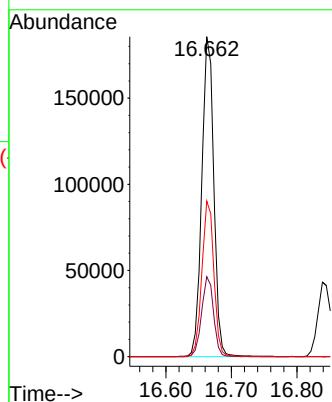
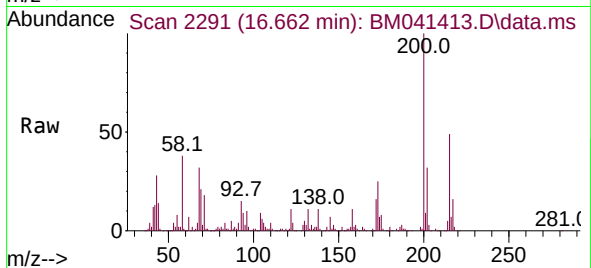
Tgt Ion:200 Resp: 234849

Ion Ratio Lower Upper

200 100

173 25.0 5.6 45.6

215 48.6 28.5 68.5



#70

Pentachlorophenol

Concen: 69.198 ng

RT: 16.845 min Scan# 2322

Delta R.T. -0.012 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

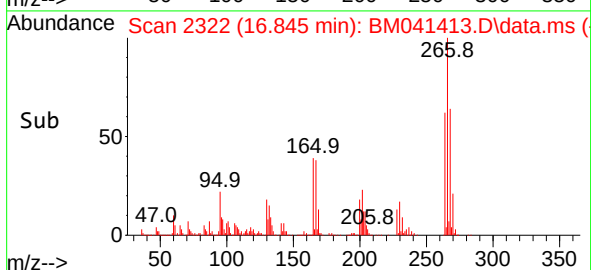
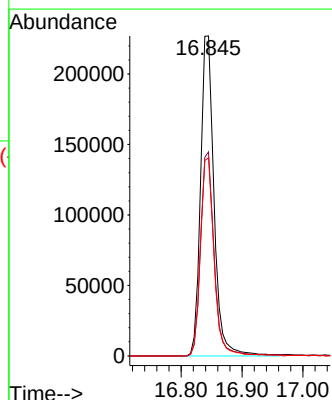
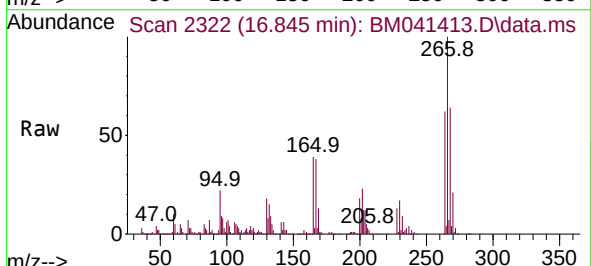
Tgt Ion:266 Resp: 350048

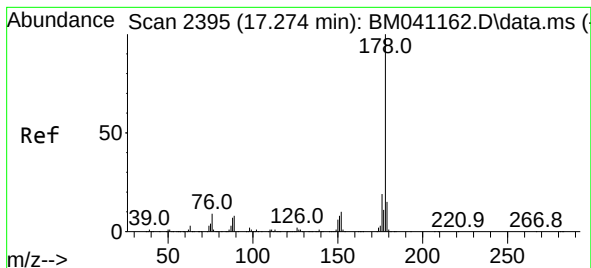
Ion Ratio Lower Upper

266 100

268 63.7 51.0 76.6

264 62.0 49.4 74.2





#71

Phenanthrene

Concen: 35.628 ng

RT: 17.233 min Scan# 2403

Delta R.T. -0.012 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS

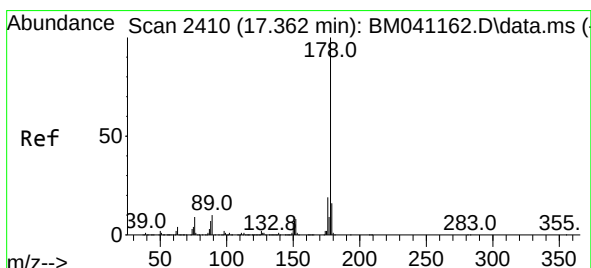
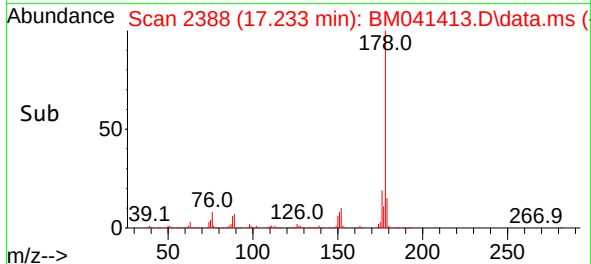
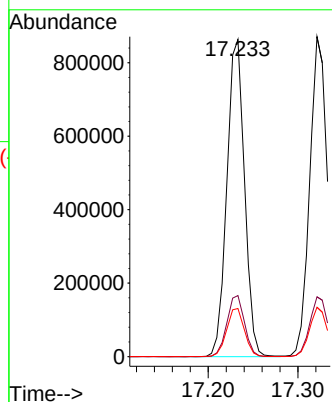
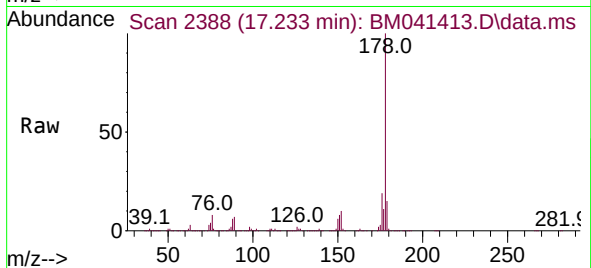
Tgt Ion:178 Resp: 1186131

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 15.2 12.1 18.1



#72

Anthracene

Concen: 36.678 ng

RT: 17.321 min Scan# 2403

Delta R.T. -0.018 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

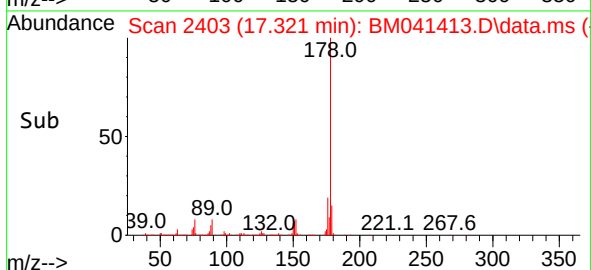
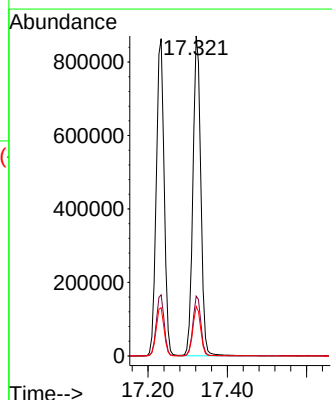
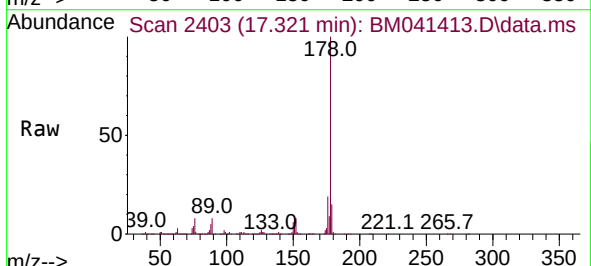
Tgt Ion:178 Resp: 1207662

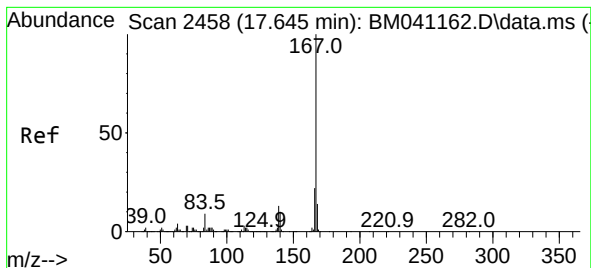
Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

179 15.4 12.4 18.6





#73

Carbazole

Concen: 37.091 ng

RT: 17.604 min Scan# 24

Delta R.T. -0.018 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS

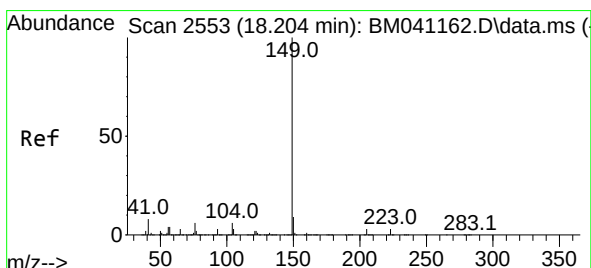
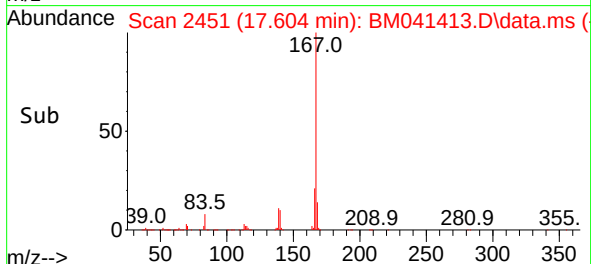
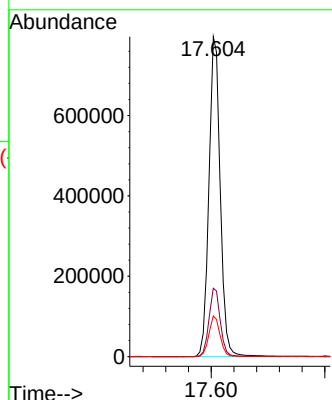
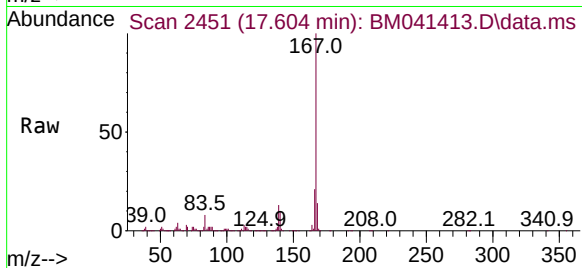
Tgt Ion:167 Resp: 1105361

Ion Ratio Lower Upper

167 100

166 21.4 17.3 25.9

139 12.7 10.3 15.5



#74

Di-n-butylphthalate

Concen: 36.915 ng

RT: 18.162 min Scan# 2546

Delta R.T. -0.018 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

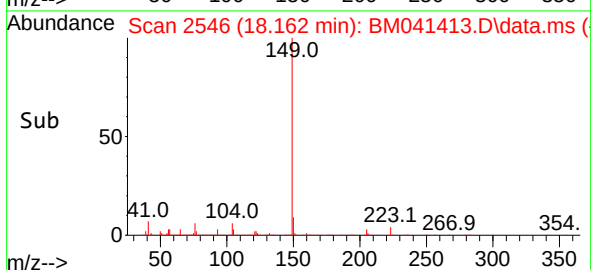
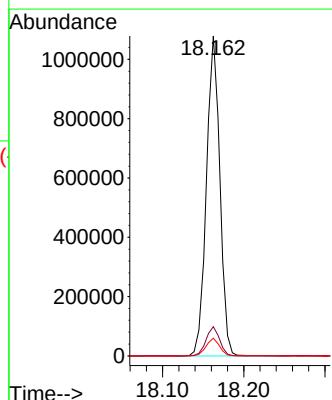
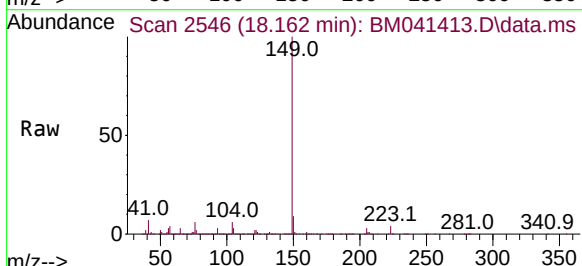
Tgt Ion:149 Resp: 1243164

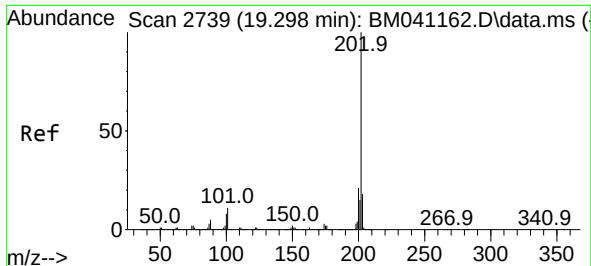
Ion Ratio Lower Upper

149 100

150 9.1 7.3 10.9

104 5.5 4.5 6.7

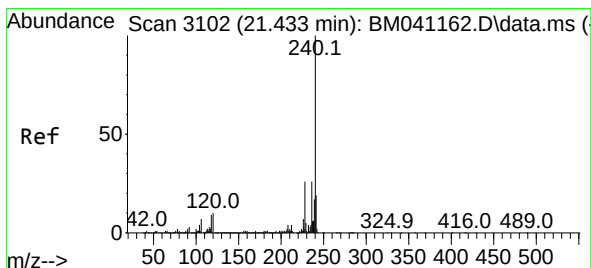
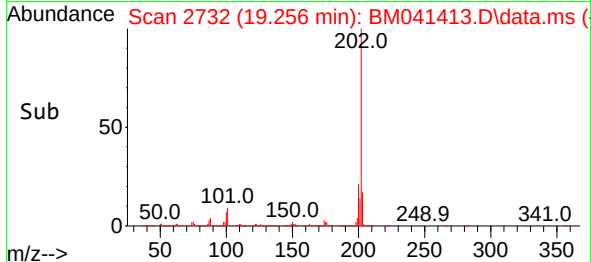
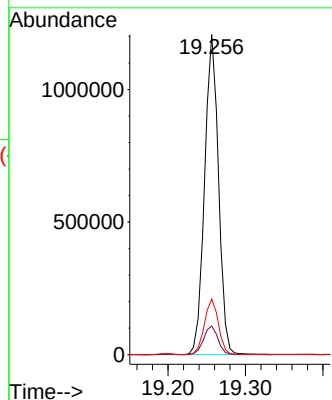
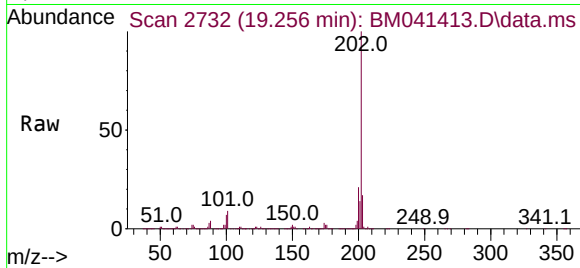




#75
Fluoranthene
Concen: 40.176 ng
RT: 19.256 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

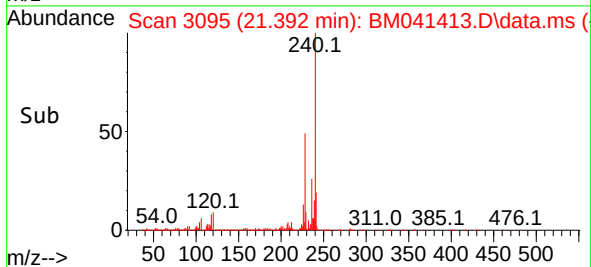
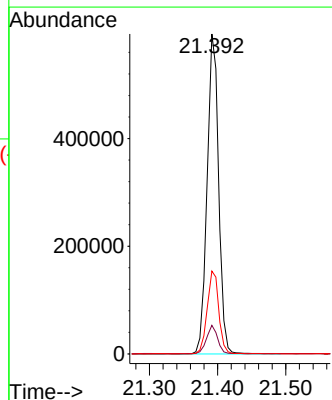
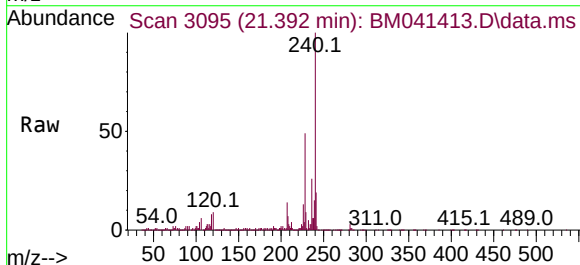
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

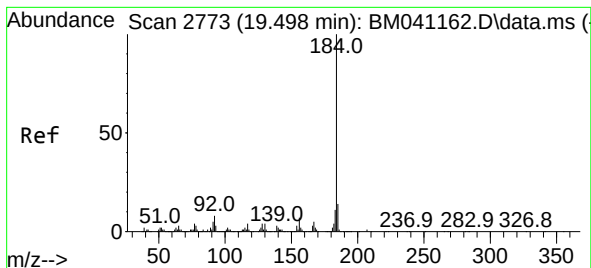
Tgt Ion:202 Resp: 1502703
Ion Ratio Lower Upper
202 100
101 8.9 0.0 30.8
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3095
Delta R.T. -0.024 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:240 Resp: 697408
Ion Ratio Lower Upper
240 100
120 8.9 8.3 12.5
236 25.9 20.6 30.8





#77

Benzidine

Concen: 53.239 ng

RT: 19.456 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS

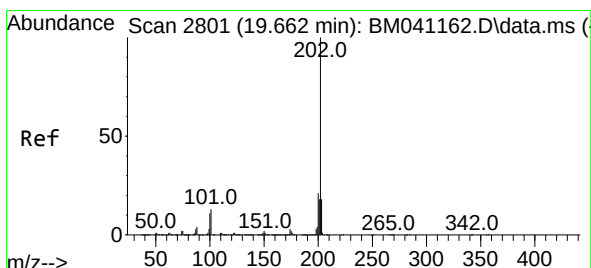
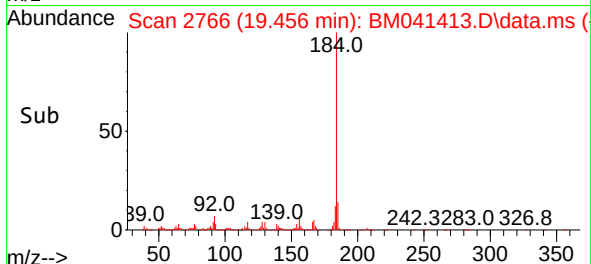
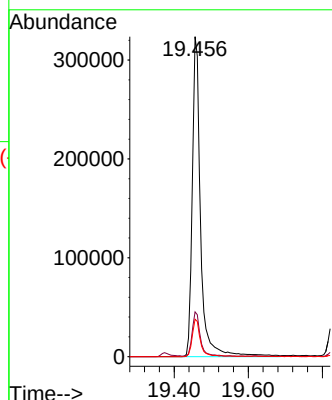
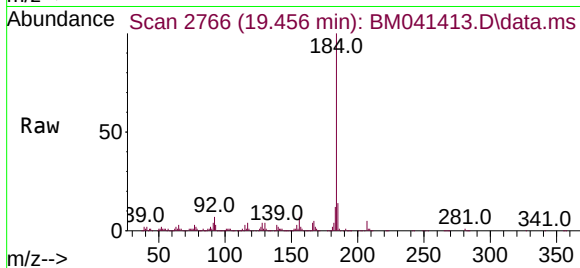
Tgt Ion:184 Resp: 506065

Ion Ratio Lower Upper

184 100

185 14.0 11.4 17.0

183 11.7 9.2 13.8



#78

Pyrene

Concen: 32.955 ng

RT: 19.621 min Scan# 2794

Delta R.T. -0.018 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

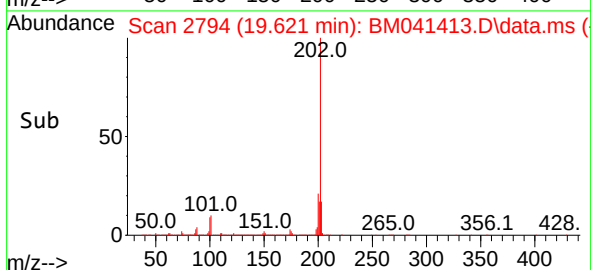
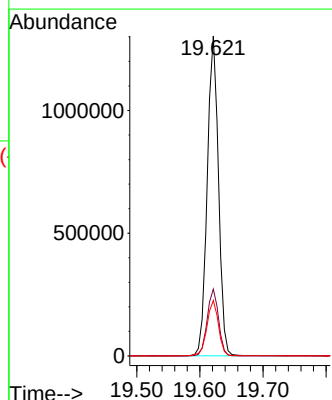
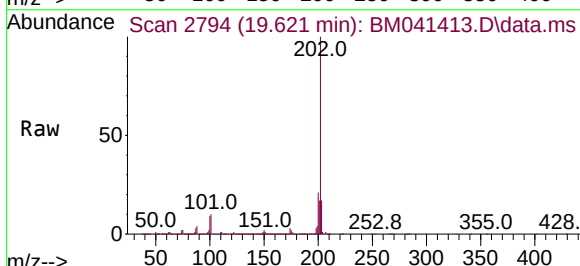
Tgt Ion:202 Resp: 1607259

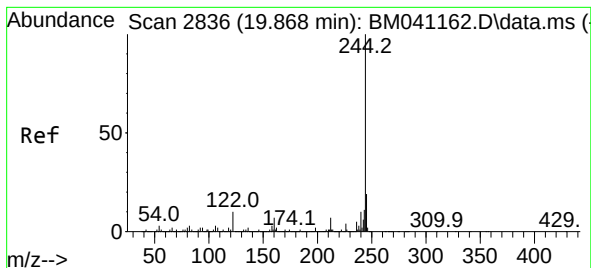
Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 17.3 14.1 21.1





#79

Terphenyl-d14

Concen: 65.207 ng

RT: 19.827 min Scan# 2836

Delta R.T. -0.018 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS

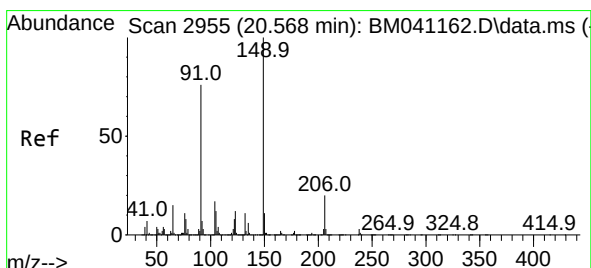
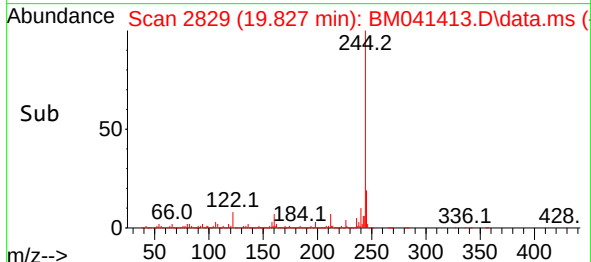
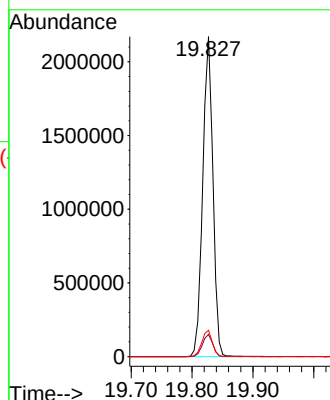
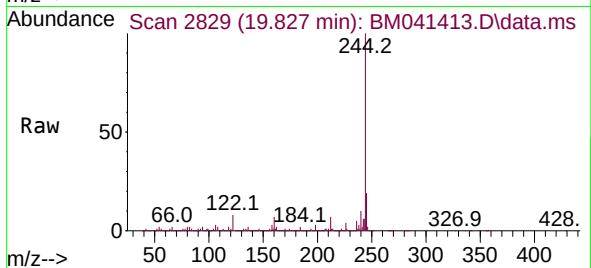
Tgt Ion:244 Resp: 2515172

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 8.2 7.8 11.6



#80

Butylbenzylphthalate

Concen: 35.368 ng

RT: 20.527 min Scan# 2948

Delta R.T. -0.018 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

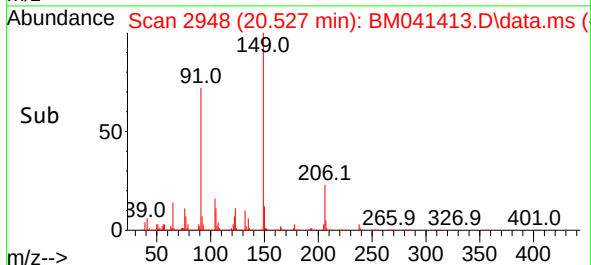
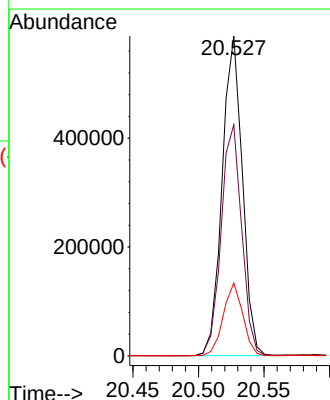
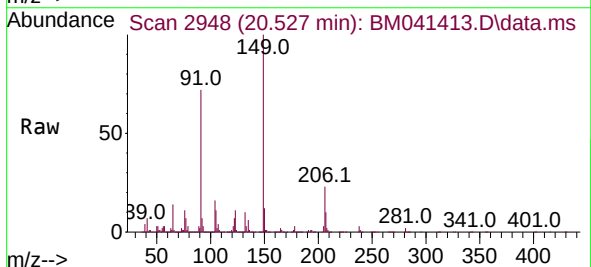
Tgt Ion:149 Resp: 629907

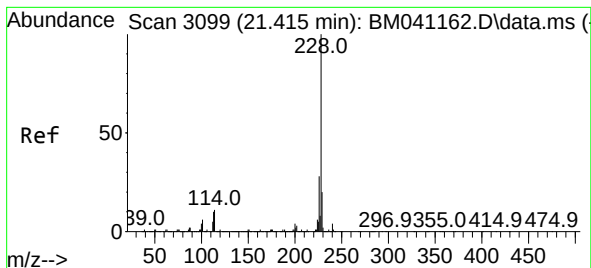
Ion Ratio Lower Upper

149 100

91 72.2 60.8 91.2

206 22.8 16.4 24.6





#81

Benzo(a)anthracene

Concen: 38.080 ng

RT: 21.380 min Scan# 3099

Delta R.T. -0.018 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS

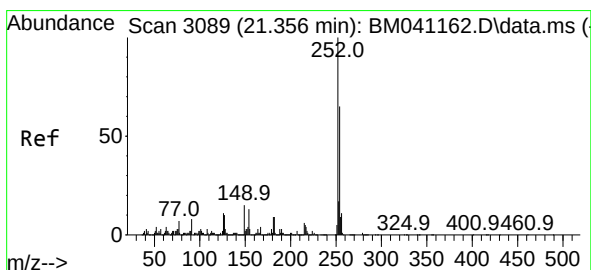
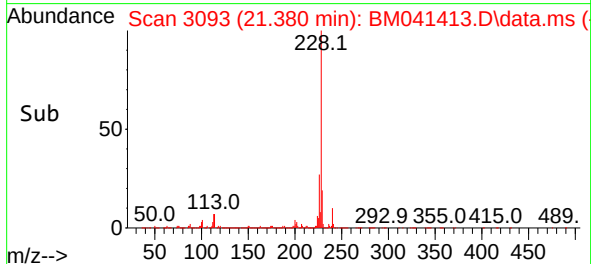
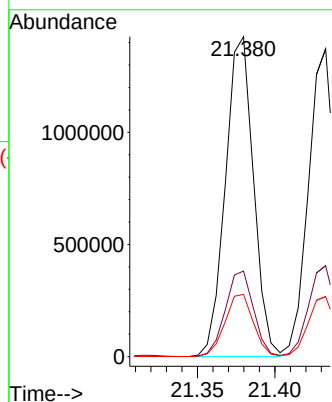
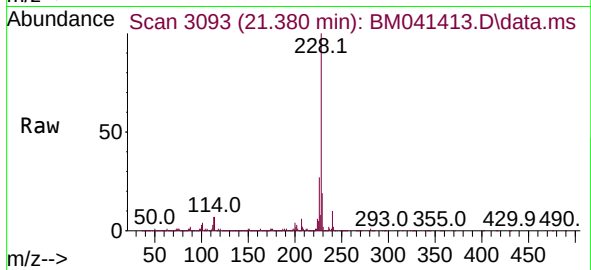
Tgt Ion:228 Resp: 1800348

Ion Ratio Lower Upper

228 100

226 26.7 22.4 33.6

229 19.4 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 28.137 ng

RT: 21.315 min Scan# 3082

Delta R.T. -0.024 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

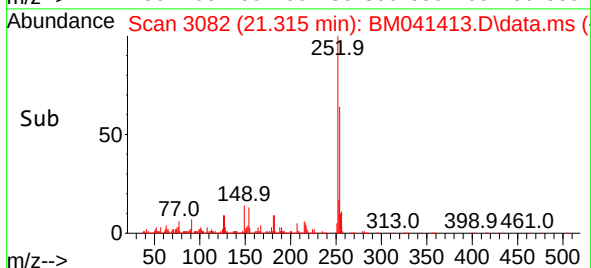
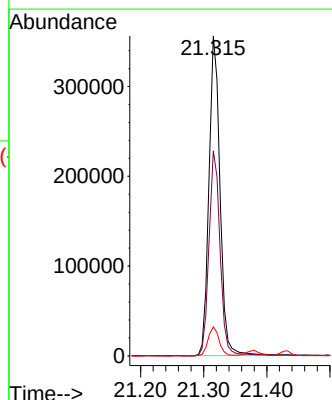
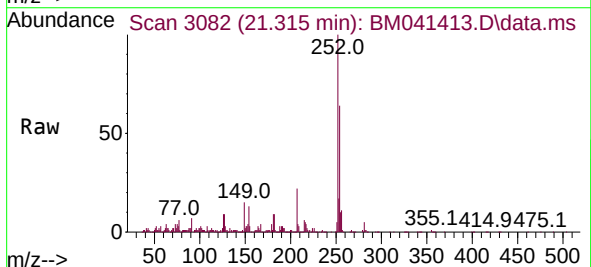
Tgt Ion:252 Resp: 434078

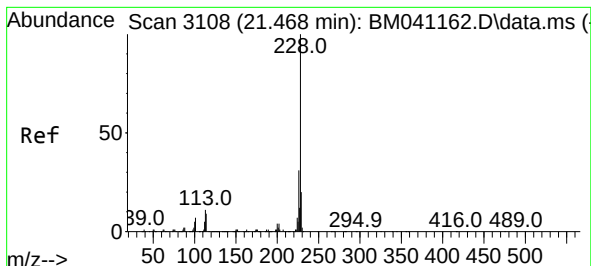
Ion Ratio Lower Upper

252 100

254 64.1 51.8 77.6

126 9.1 8.6 13.0





#83

Chrysene

Concen: 36.393 ng

RT: 21.433 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS

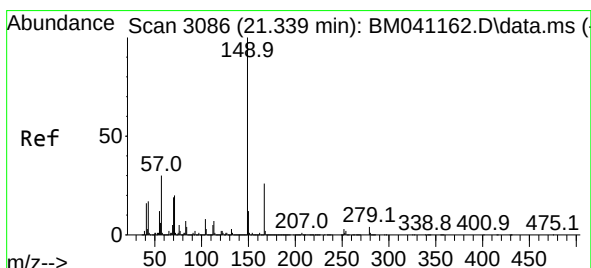
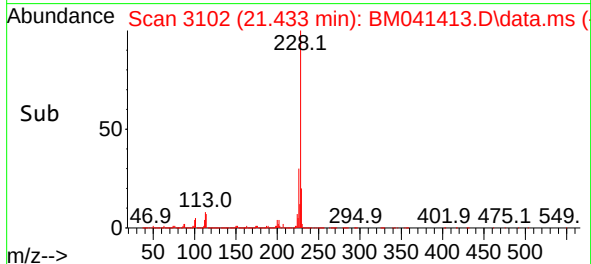
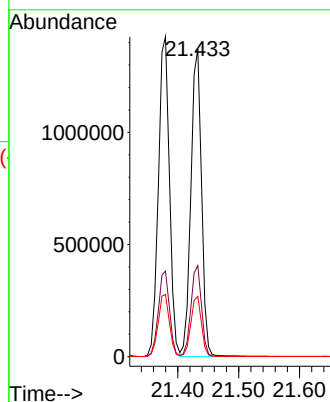
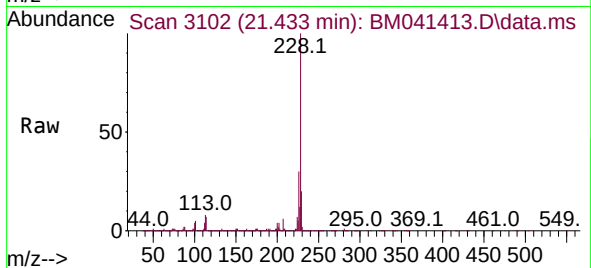
Tgt Ion:228 Resp: 1664257

Ion Ratio Lower Upper

228 100

226 29.6 24.5 36.7

229 19.5 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 35.656 ng

RT: 21.297 min Scan# 3079

Delta R.T. -0.024 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

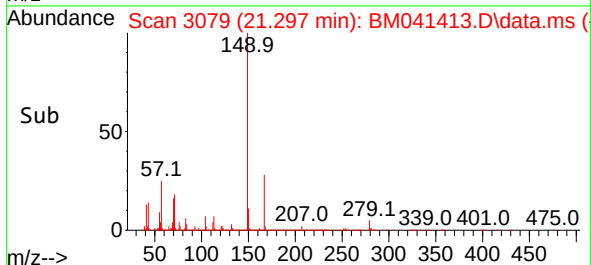
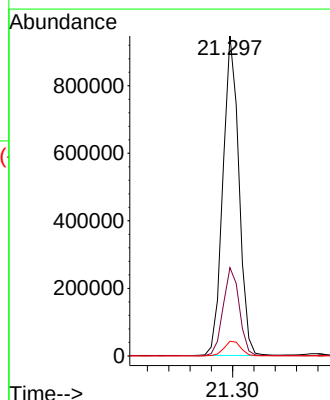
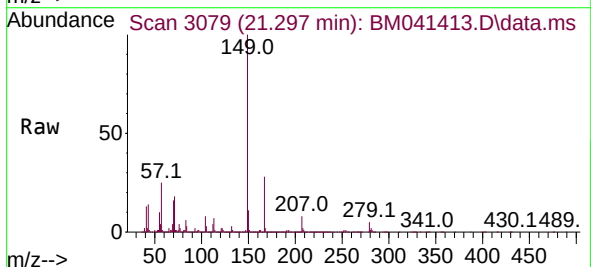
Tgt Ion:149 Resp: 988983

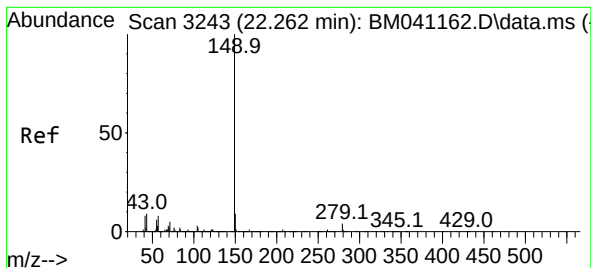
Ion Ratio Lower Upper

149 100

167 27.6 21.0 31.6

279 4.6 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 39.035 ng

RT: 22.215 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS

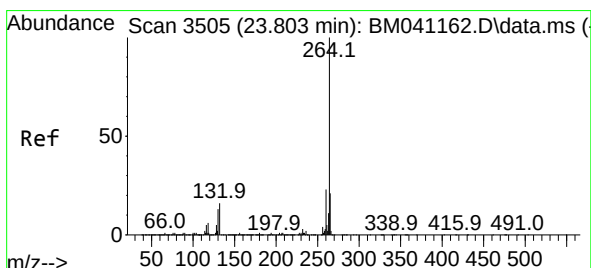
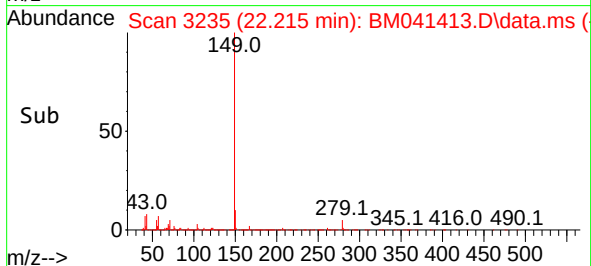
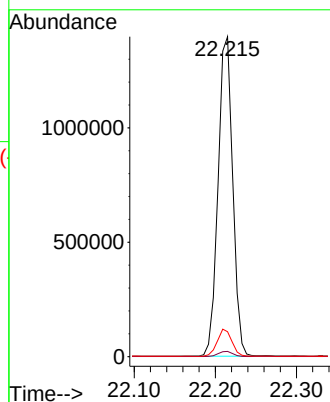
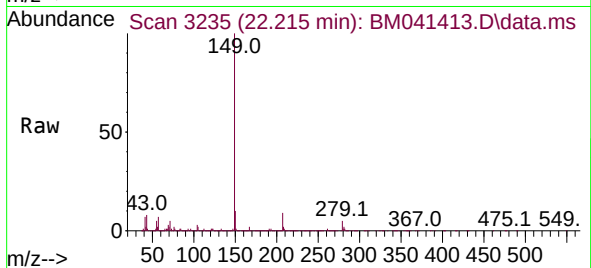
Tgt Ion:149 Resp: 1757068

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 8.3 8.3 12.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.756 min Scan# 3497

Delta R.T. -0.024 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

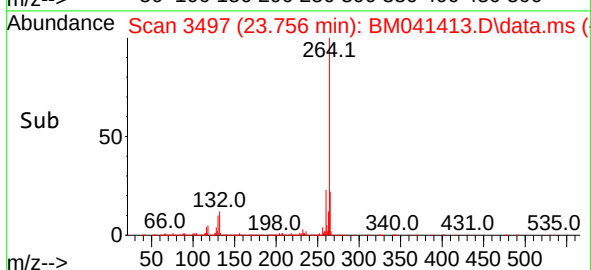
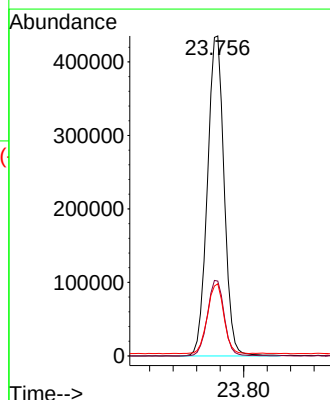
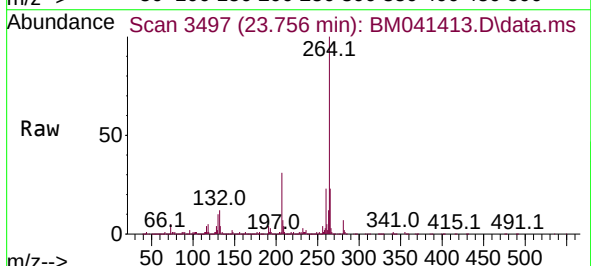
Tgt Ion:264 Resp: 858157

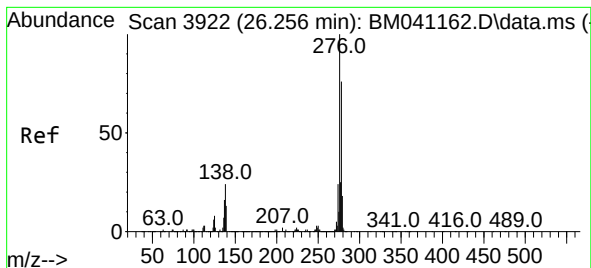
Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 22.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.898 ng

RT: 26.197 min Scan# 3922

Delta R.T. -0.035 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS

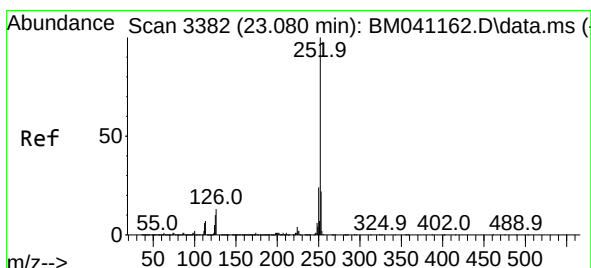
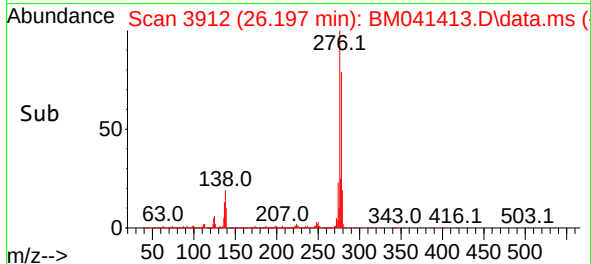
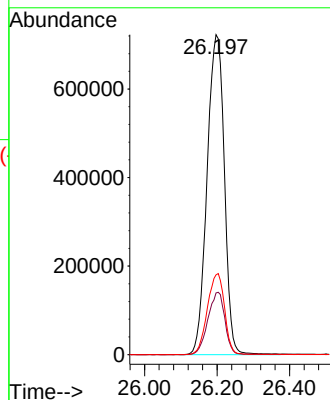
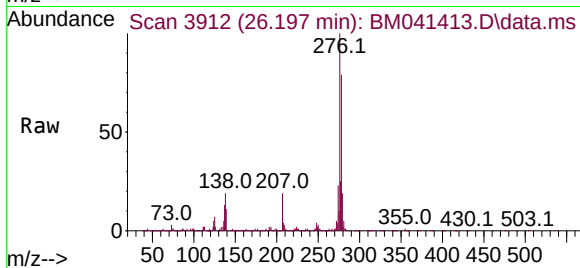
Tgt Ion:276 Resp: 2391094

Ion Ratio Lower Upper

276 100

138 19.1 20.0 30.0#

277 25.1 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 37.614 ng

RT: 23.039 min Scan# 3375

Delta R.T. -0.024 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

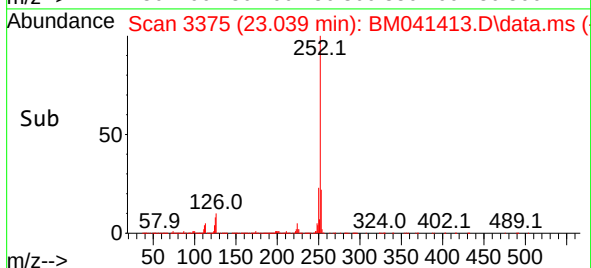
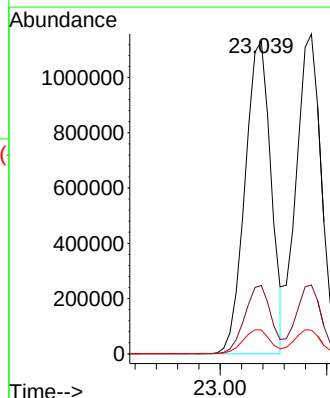
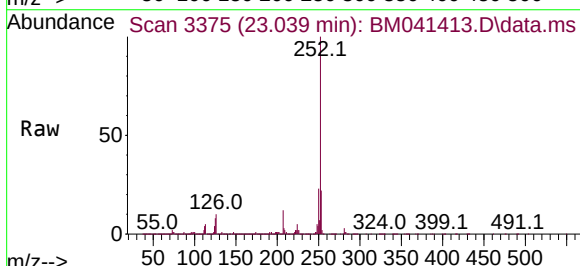
Tgt Ion:252 Resp: 1917552

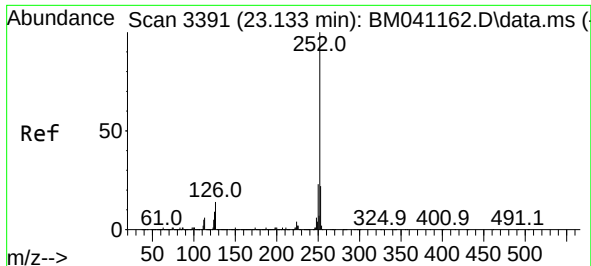
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 7.7 8.2 12.4#

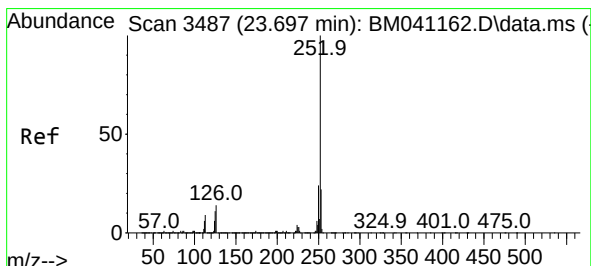
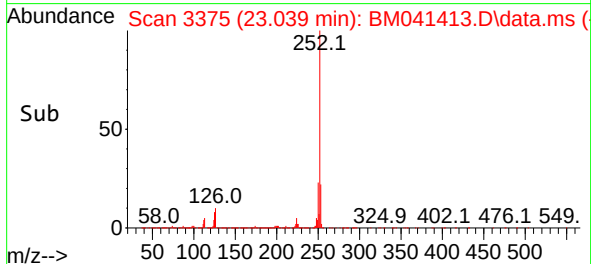
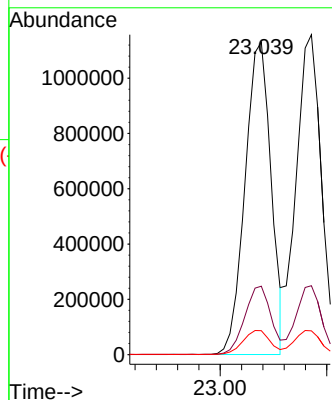
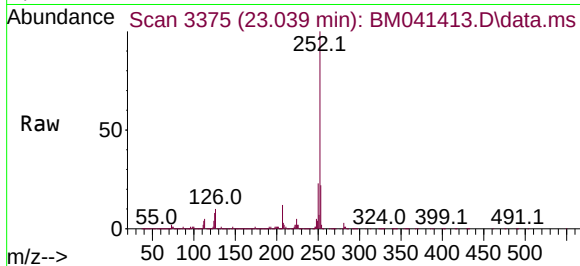




#89
Benzo(k)fluoranthene
Concen: 36.772 ng
RT: 23.039 min Scan# 3391
Delta R.T. -0.071 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

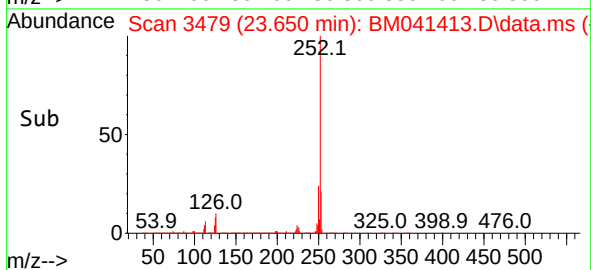
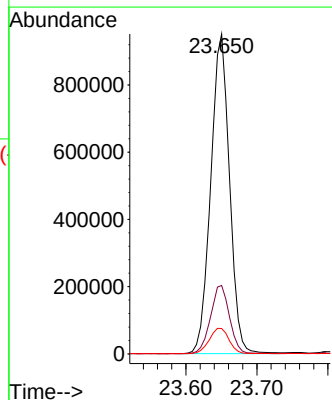
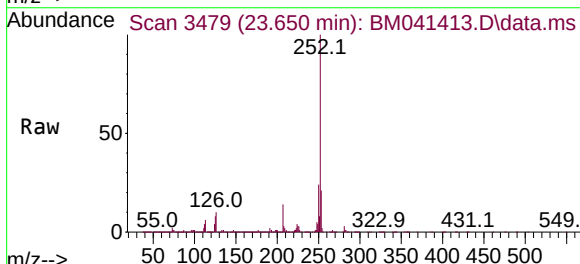
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MS

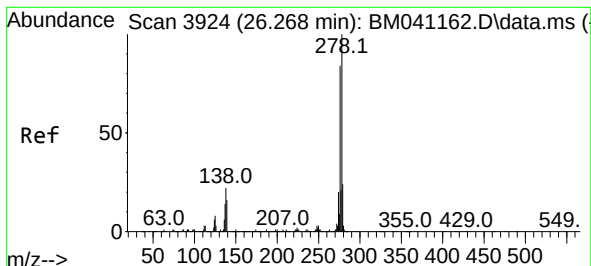
Tgt Ion:252 Resp: 1917552
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 7.7 7.6 11.4



#90
Benzo(a)pyrene
Concen: 35.612 ng
RT: 23.650 min Scan# 3479
Delta R.T. -0.030 min
Lab File: BM041413.D
Acq: 15 Aug 2023 19:34

Tgt Ion:252 Resp: 1744433
Ion Ratio Lower Upper
252 100
253 21.4 17.3 25.9
125 7.9 9.0 13.4#





#91

Dibenzo(a,h)anthracene

Concen: 38.320 ng

RT: 26.209 min Scan# 39

Delta R.T. -0.035 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MS

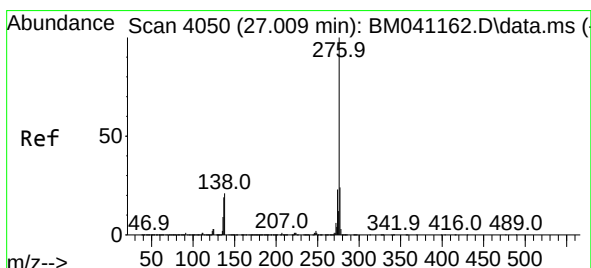
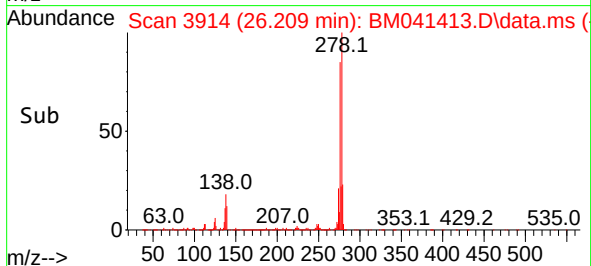
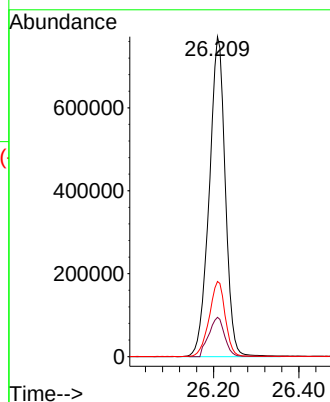
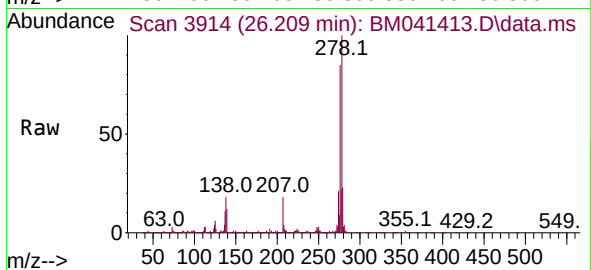
Tgt Ion:278 Resp: 2016583

Ion Ratio Lower Upper

278 100

139 12.3 12.7 19.1#

279 23.5 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 37.096 ng

RT: 26.950 min Scan# 4040

Delta R.T. -0.030 min

Lab File: BM041413.D

Acq: 15 Aug 2023 19:34

Tgt Ion:276 Resp: 1910157

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 16.6 17.1 25.7#

