

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063023\
 Data File : BF134060.D
 Acq On : 30 Jun 2023 19:29
 Operator : CG\JU
 Sample : 03428-02MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-1MSD

Quant Time: Jul 01 04:31:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	98424	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	376888	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	196034	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	382675	20.000	ng	0.00
76) Chrysene-d12	14.039	240	175914	20.000	ng	-0.01
86) Perylene-d12	15.545	264	209534	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	785014	133.417	ng	0.02
7) Phenol-d6	6.493	99	896766	123.931	ng	0.00
23) Nitrobenzene-d5	7.416	82	710142	101.570	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	362902	147.649	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1306243	96.878	ng	0.00
79) Terphenyl-d14	12.980	244	1411722	129.157	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.834	88	99785	41.130	ng	# 80
3) Pyridine	3.569	79	227927	36.068	ng	97
4) n-Nitrosodimethylamine	3.505	42	181974	50.419	ng	99
6) Aniline	6.516	93	186183	21.144	ng	91
8) 2-Chlorophenol	6.634	128	308123	51.587	ng	100
9) Benzaldehyde	6.404	77	120035	27.828	ng	96
10) Phenol	6.504	94	325578	42.793	ng	97
11) bis(2-Chloroethyl)ether	6.587	93	274960	49.089	ng	99
12) 1,3-Dichlorobenzene	6.787	146	309925	48.671	ng	98
13) 1,4-Dichlorobenzene	6.863	146	320872	49.889	ng	99
14) 1,2-Dichlorobenzene	7.016	146	301182	50.000	ng	99
15) Benzyl Alcohol	6.993	79	295837	53.033	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.122	45	481747	48.615	ng	94
17) 2-Methylphenol	7.104	107	248020	46.371	ng	96
18) Hexachloroethane	7.357	117	119999	50.318	ng	96
19) n-Nitroso-di-n-propyla...	7.263	70	229013	49.906	ng	99
20) 3+4-Methylphenols	7.257	107	314899	48.530	ng	# 82
22) Acetophenone	7.257	105	435418	50.799	ng	96
24) Nitrobenzene	7.434	77	347465	49.179	ng	98
25) Isophorone	7.669	82	628555	49.466	ng	97
26) 2-Nitrophenol	7.745	139	173370	51.152	ng	93
27) 2,4-Dimethylphenol	7.787	122	280892	52.356	ng	94
28) bis(2-Chloroethoxy)met...	7.875	93	371107	50.438	ng	99
29) 2,4-Dichlorophenol	7.992	162	274386	51.576	ng	98
30) 1,2,4-Trichlorobenzene	8.069	180	274963	50.090	ng	99
31) Naphthalene	8.151	128	875758	48.106	ng	99
32) Benzoic acid	7.945	122	176181	43.824	ng	97
33) 4-Chloroaniline	8.198	127	146962	18.872	ng	96
34) Hexachlorobutadiene	8.263	225	172270	49.749	ng	99
35) Caprolactam	8.581	113	49435	28.221	ng	95
36) 4-Chloro-3-methylphenol	8.692	107	308388	51.600	ng	98
37) 2-Methylnaphthalene	8.845	142	606800	47.135	ng	100
38) 1-Methylnaphthalene	8.939	142	563909	47.118	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	288686	49.706	ng	98
41) Hexachlorocyclopentadiene	8.992	237	301867	109.557	ng	97
43) 2,4,6-Trichlorophenol	9.122	196	202774	51.288	ng	99

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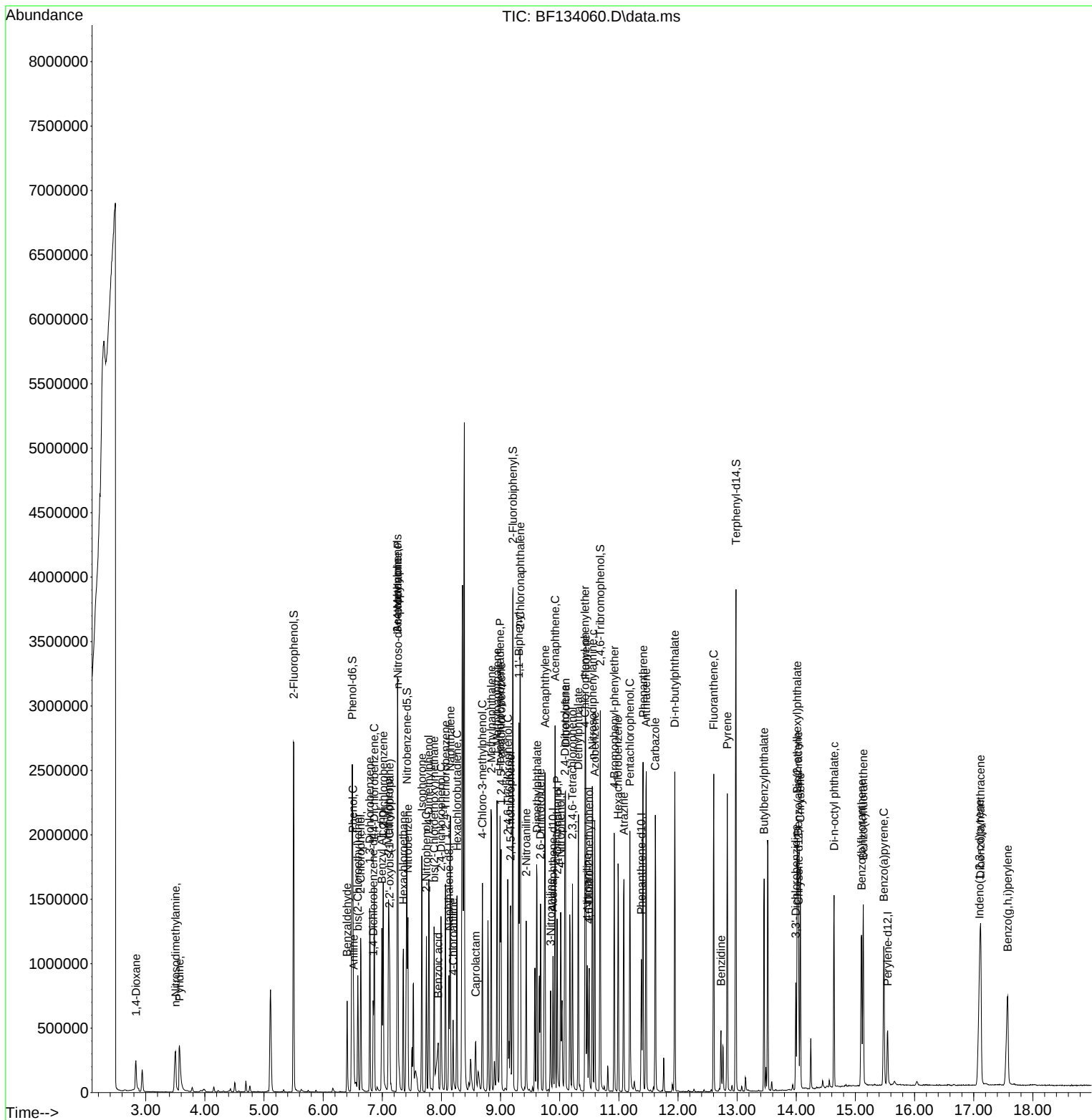
Quant Time: Jul 01 04:31:15 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	219766	47.256	ng	95
46) 1,1'-Biphenyl	9.310	154	765781	48.698	ng	98
47) 2-Chloronaphthalene	9.334	162	529391	46.012	ng	97
48) 2-Nitroaniline	9.434	65	211813	50.514	ng	98
49) Acenaphthylene	9.751	152	958536	48.770	ng	99
50) Dimethylphthalate	9.616	163	730980	51.368	ng	99
51) 2,6-Dinitrotoluene	9.675	165	159984	52.198	ng	# 85
52) Acenaphthene	9.922	154	564840	49.528	ng	98
53) 3-Nitroaniline	9.845	138	110823	30.140	ng	97
54) 2,4-Dinitrophenol	9.957	184	157371	88.478	ng	90
55) Dibenzofuran	10.098	168	865138	48.539	ng	99
56) 4-Nitrophenol	10.016	139	224472	87.277	ng	91
57) 2,4-Dinitrotoluene	10.086	165	210172	51.924	ng	92
58) Fluorene	10.439	166	690288	49.781	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.216	232	189033	51.531	ng	98
60) Diethylphthalate	10.316	149	763537	51.501	ng	99
61) 4-Chlorophenyl-phenyle...	10.428	204	336321	50.329	ng	95
62) 4-Nitroaniline	10.469	138	169331	45.696	ng	94
63) Azobenzene	10.592	77	706361	50.369	ng	97
65) 4,6-Dinitro-2-methylph...	10.498	198	108255	51.888	ng	94
66) n-Nitrosodiphenylamine	10.557	169	615949	50.378	ng	99
67) 4-Bromophenyl-phenylether	10.922	248	213289	52.439	ng	92
68) Hexachlorobenzene	10.986	284	237276	54.943	ng	95
69) Atrazine	11.086	200	201537	59.592	ng	97
70) Pentachlorophenol	11.186	266	224338	86.880	ng	99
71) Phenanthrene	11.410	178	970955	50.401	ng	100
72) Anthracene	11.463	178	1010618	50.437	ng	99
73) Carbazole	11.616	167	900005	49.073	ng	99
74) Di-n-butylphthalate	11.945	149	1197178	54.891	ng	99
75) Fluoranthene	12.604	202	979825	47.047	ng	98
77) Benzidine	12.727	184	198435	47.407	ng	99
78) Pyrene	12.833	202	949154	57.977	ng	99
80) Butylbenzylphthalate	13.457	149	375181	61.105	ng	95
81) Benzo(a)anthracene	14.033	228	621482	50.941	ng	98
82) 3,3'-Dichlorobenzidine	13.992	252	163682	42.348	ng	# 99
83) Chrysene	14.069	228	586745	49.655	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	457387	64.830	ng	98
85) Di-n-octyl phthalate	14.639	149	698266	67.357	ng	99
87) Indeno(1,2,3-cd)pyrene	17.098	276	836783	57.552	ng	99
88) Benzo(b)fluoranthene	15.104	252	635880	51.610	ng	99
89) Benzo(k)fluoranthene	15.133	252	628281	50.084	ng	98
90) Benzo(a)pyrene	15.480	252	583661	48.989	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	686496	57.806	ng	98
92) Benzo(g,h,i)perylene	17.574	276	666143	54.393	ng	98

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

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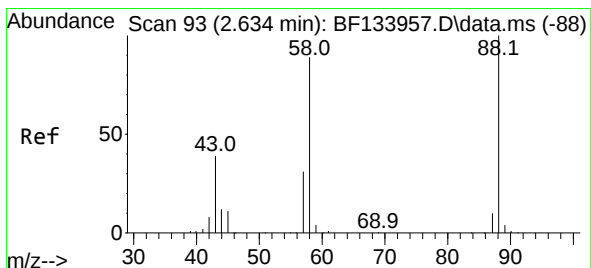
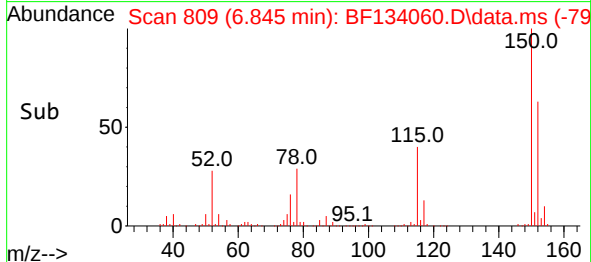
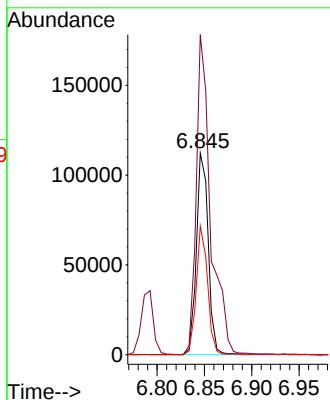
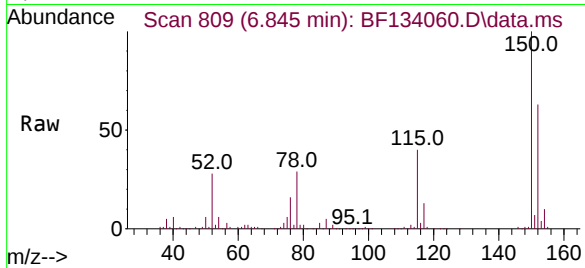




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 810
 Delta R.T. -0.006 min
 Lab File: BF134060.D
 Acq: 30 Jun 2023 19:29

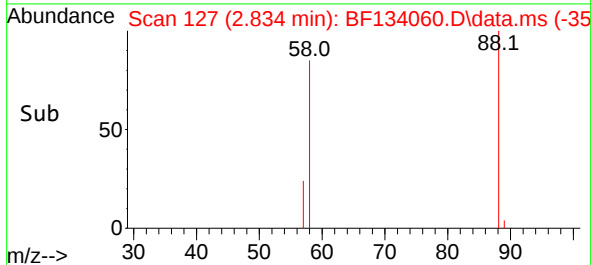
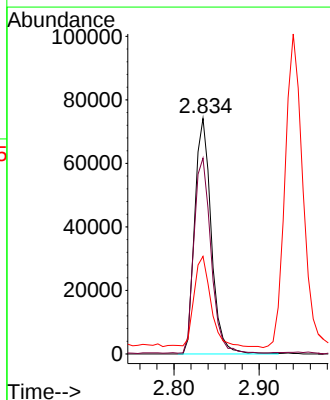
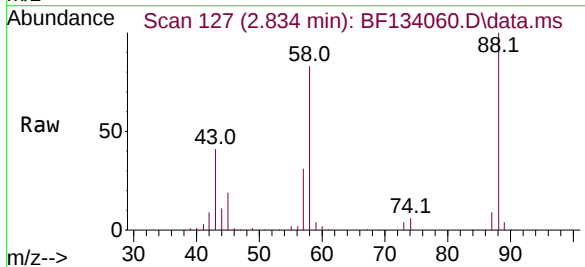
Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-1MSD

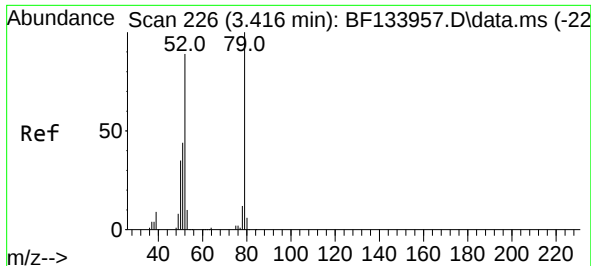
Tgt Ion:152 Resp: 98424
 Ion Ratio Lower Upper
 152 100
 150 158.8 124.5 186.7
 115 63.9 50.2 75.2



#2
 1,4-Dioxane
 Concen: 41.130 ng
 RT: 2.834 min Scan# 127
 Delta R.T. 0.188 min
 Lab File: BF134060.D
 Acq: 30 Jun 2023 19:29

Tgt Ion: 88 Resp: 99785
 Ion Ratio Lower Upper
 88 100
 58 85.1 68.8 103.2
 43 0.0 30.7 46.1





#3

Pyridine

Concen: 36.068 ng

RT: 3.569 min Scan# 21

Delta R.T. 0.135 min

Lab File: BF134060.D

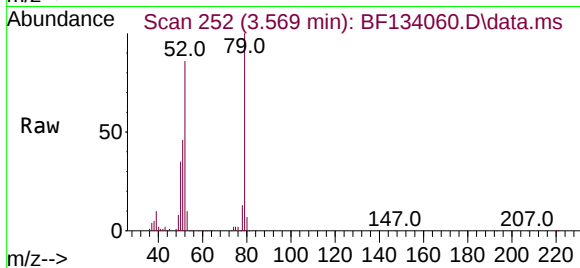
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Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD



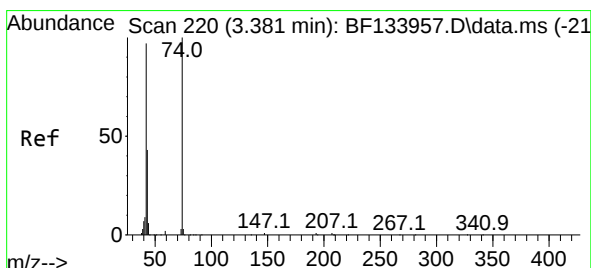
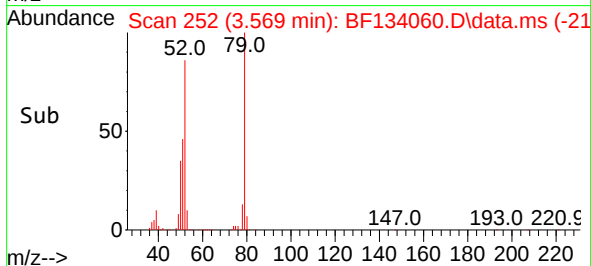
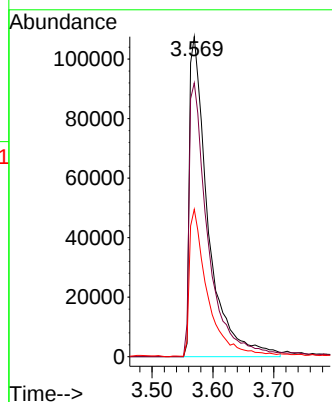
Tgt Ion: 79 Resp: 227927

Ion Ratio Lower Upper

79 100

52 85.5 71.1 106.7

51 46.0 35.2 52.8



#4

n-Nitrosodimethylamine

Concen: 50.419 ng

RT: 3.505 min Scan# 241

Delta R.T. 0.100 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

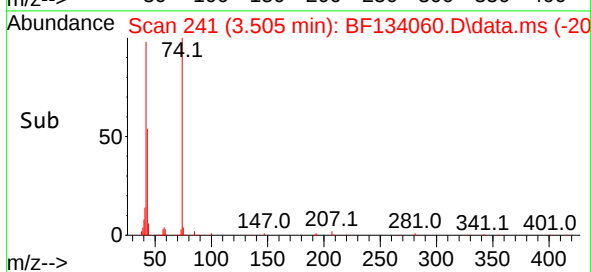
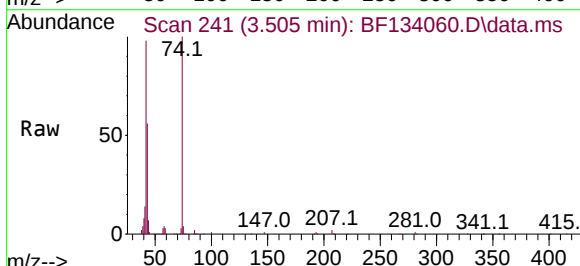
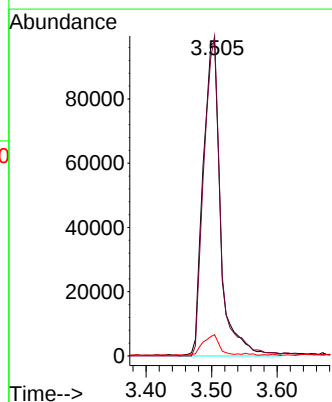
Tgt Ion: 42 Resp: 181974

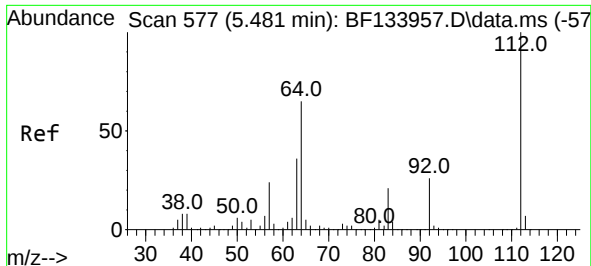
Ion Ratio Lower Upper

42 100

74 102.0 82.4 123.6

44 6.8 4.9 7.3

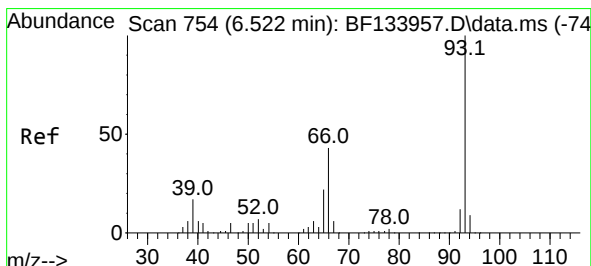
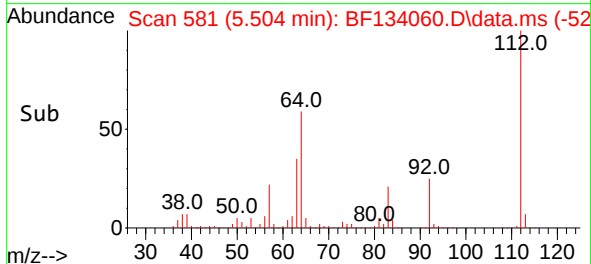
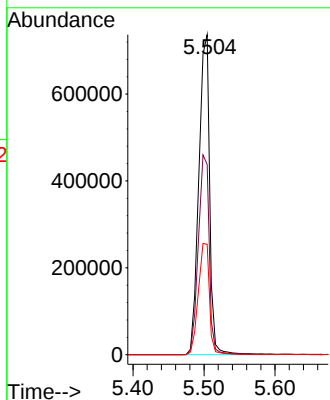
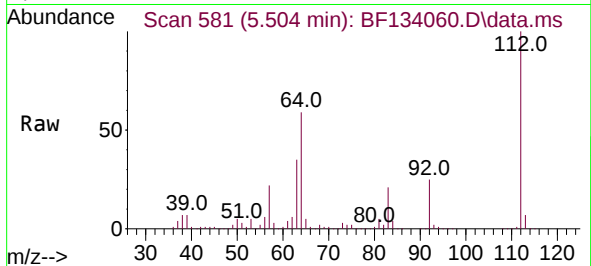




#5
2-Fluorophenol
Concen: 133.417 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

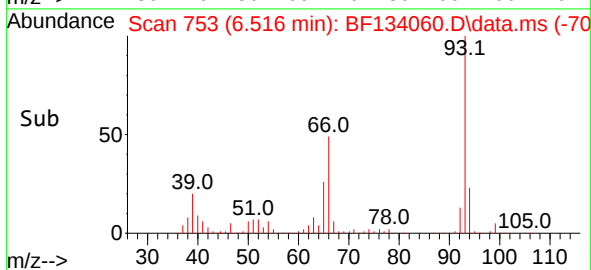
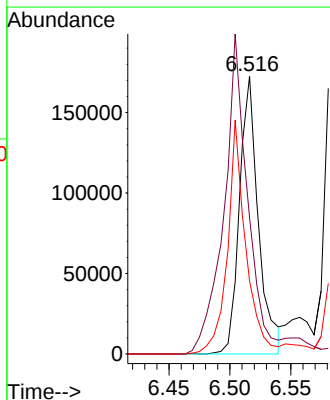
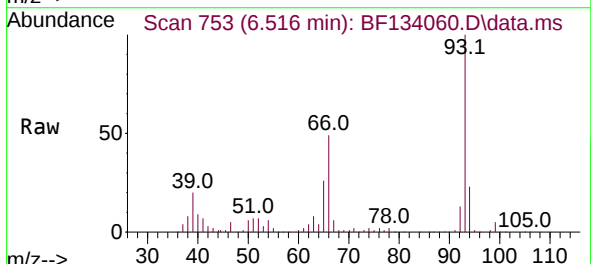
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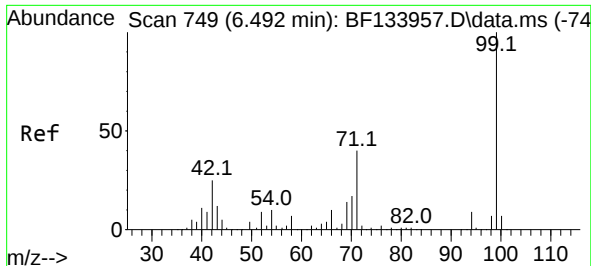
Tgt Ion:112 Resp: 785014
Ion Ratio Lower Upper
112 100
64 59.5 52.1 78.1
63 34.5 28.6 42.8



#6
Aniline
Concen: 21.144 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion: 93 Resp: 186183
Ion Ratio Lower Upper
93 100
66 49.0 34.5 51.7
65 26.2 17.8 26.6





#7

Phenol-d6

Concen: 123.931 ng

RT: 6.493 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

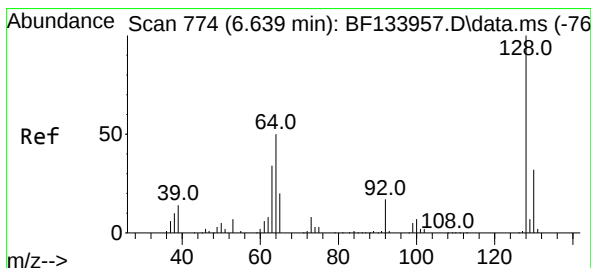
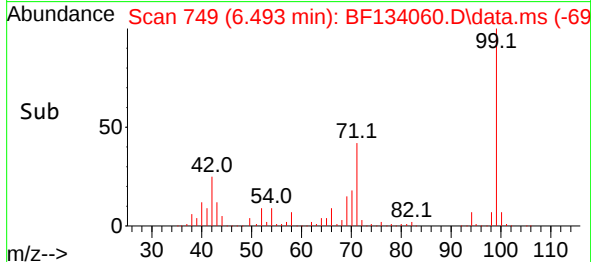
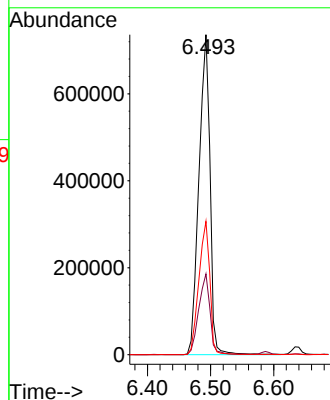
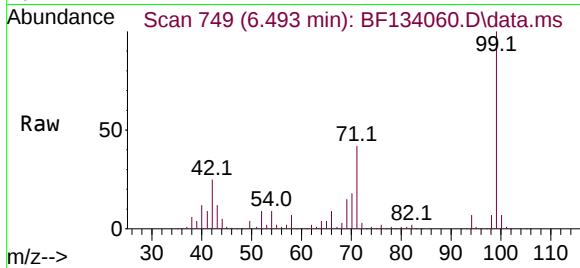
Tgt Ion: 99 Resp: 896766

Ion Ratio Lower Upper

99 100

42 25.3 19.8 29.6

71 41.6 31.9 47.9



#8

2-Chlorophenol

Concen: 51.587 ng

RT: 6.634 min Scan# 773

Delta R.T. -0.006 min

Lab File: BF134060.D

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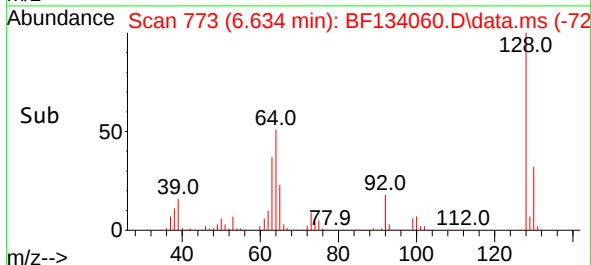
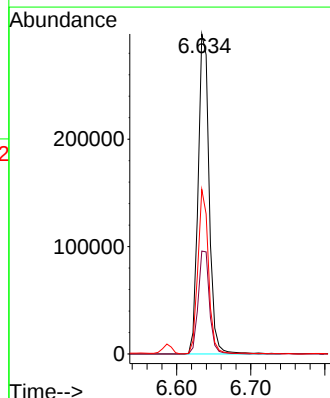
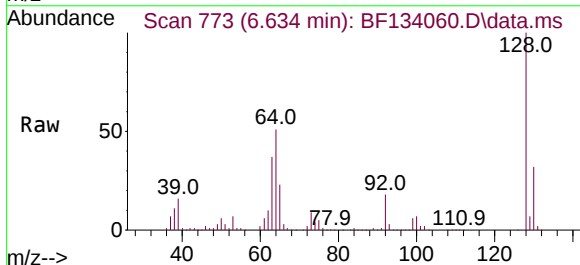
Tgt Ion: 128 Resp: 308123

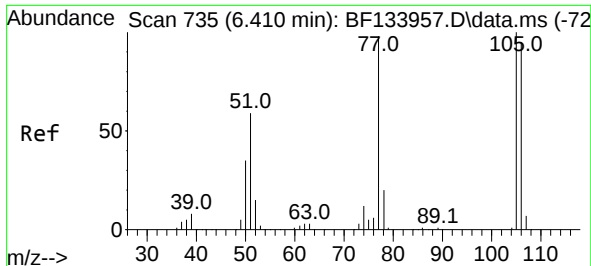
Ion Ratio Lower Upper

128 100

130 32.2 11.7 51.7

64 51.4 31.3 71.3





#9

Benzaldehyde

Concen: 27.828 ng

RT: 6.404 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

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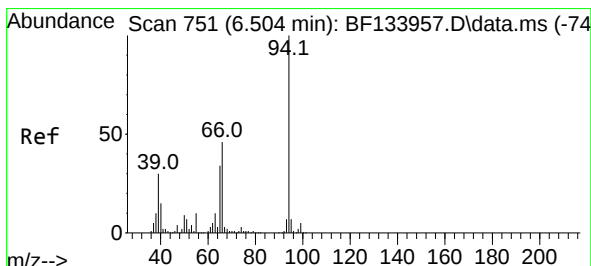
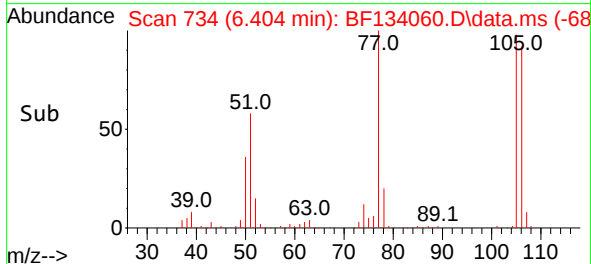
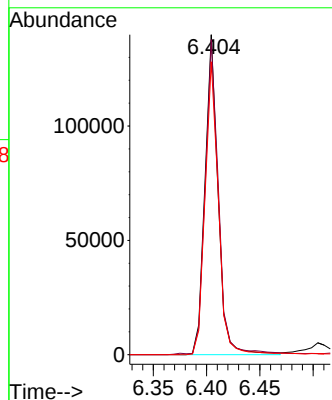
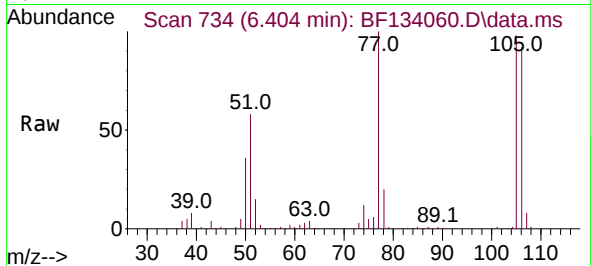
Tgt Ion: 77 Resp: 120035

Ion Ratio Lower Upper

77 100

105 98.4 82.0 122.0

106 91.5 76.9 116.9



#10

Phenol

Concen: 42.793 ng

RT: 6.504 min Scan# 751

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

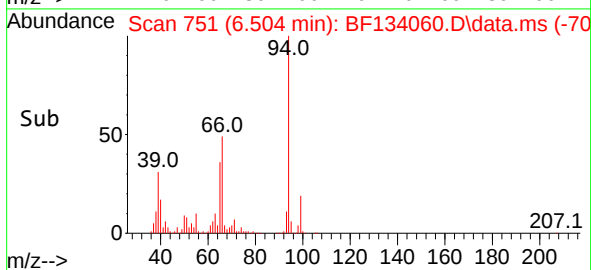
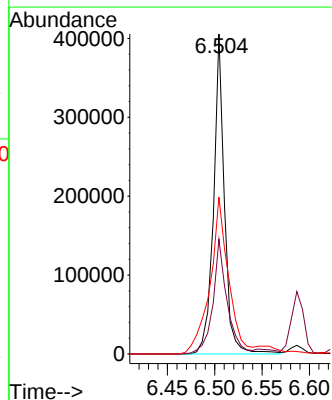
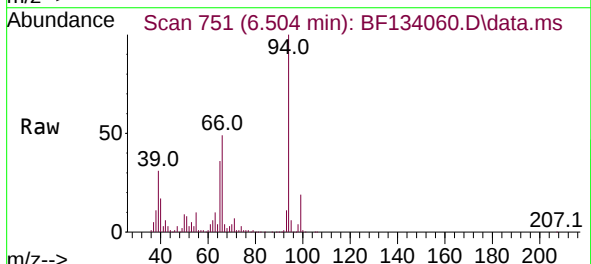
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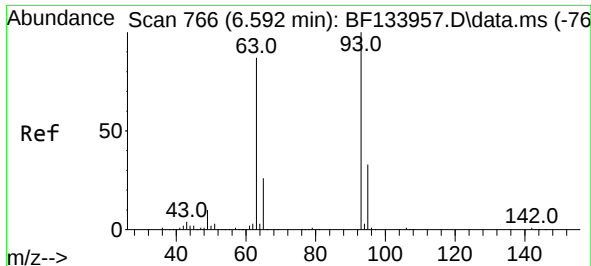
Ion Ratio Lower Upper

94 100

65 35.8 14.2 54.2

66 49.0 26.4 66.4

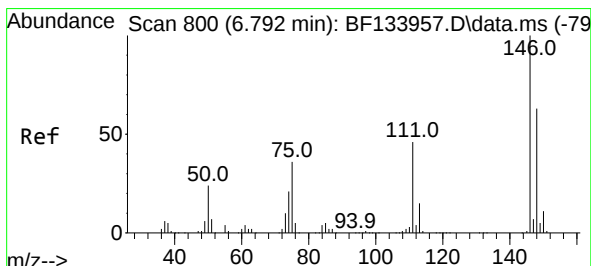
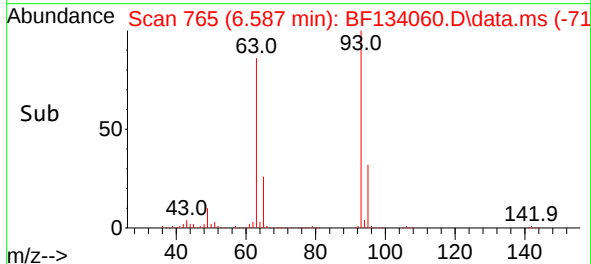
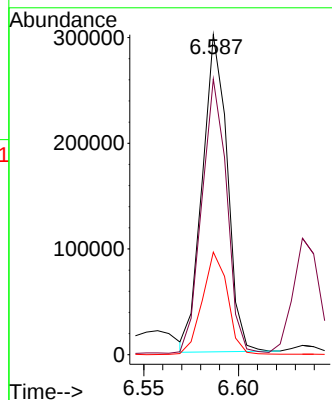
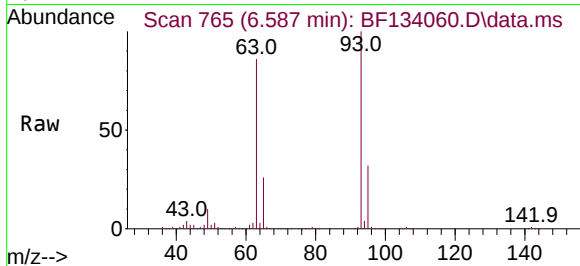




#11
bis(2-Chloroethyl)ether
Concen: 49.089 ng
RT: 6.587 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

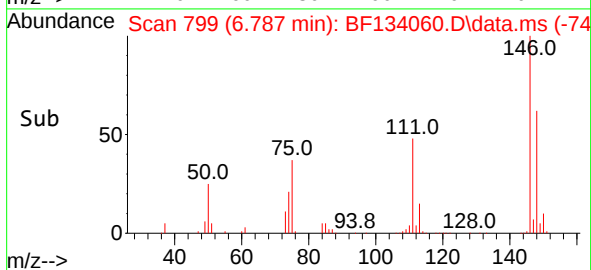
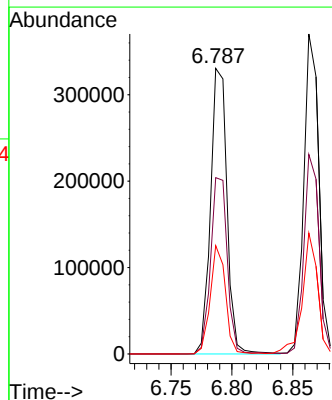
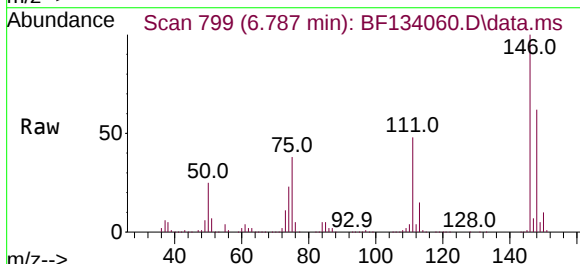
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

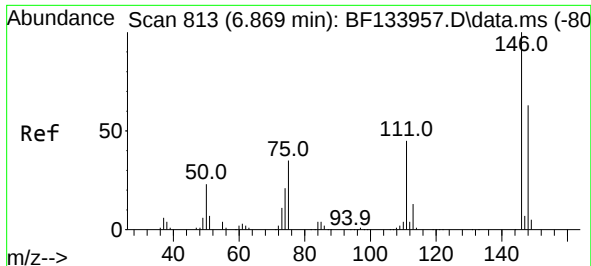
Tgt Ion: 93 Resp: 274960
Ion Ratio Lower Upper
93 100
63 86.2 66.5 106.5
95 32.0 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 48.671 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:146 Resp: 309925
Ion Ratio Lower Upper
146 100
148 61.7 50.5 75.7
75 37.9 29.0 43.6





#13

1,4-Dichlorobenzene

Concen: 49.889 ng

RT: 6.863 min Scan# 813

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

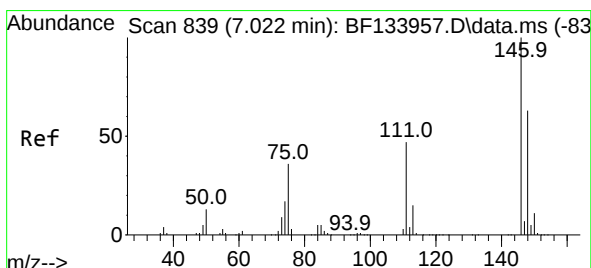
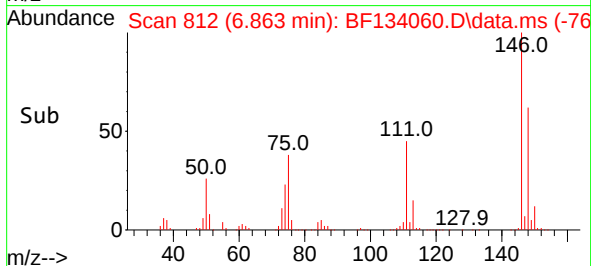
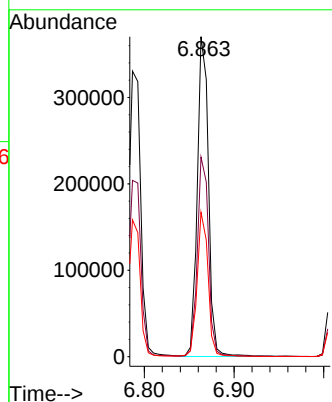
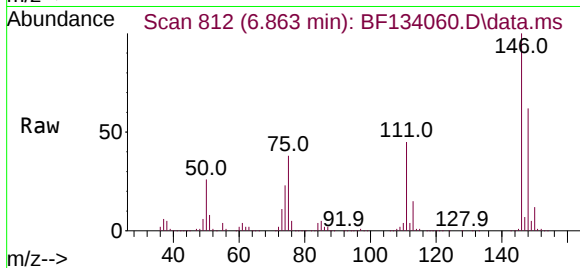
Tgt Ion:146 Resp: 320872

Ion Ratio Lower Upper

146 100

148 62.4 50.2 75.2

111 45.1 35.8 53.6



#14

1,2-Dichlorobenzene

Concen: 50.000 ng

RT: 7.016 min Scan# 838

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

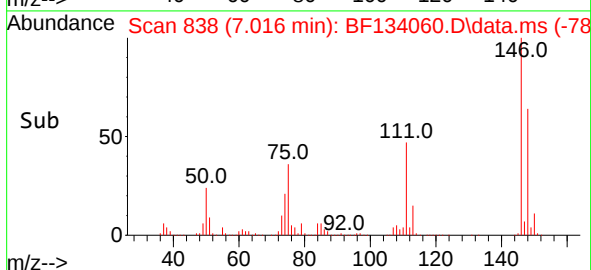
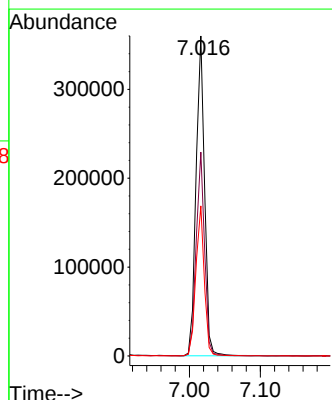
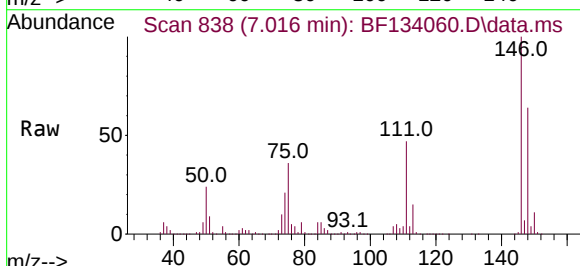
Tgt Ion:146 Resp: 301182

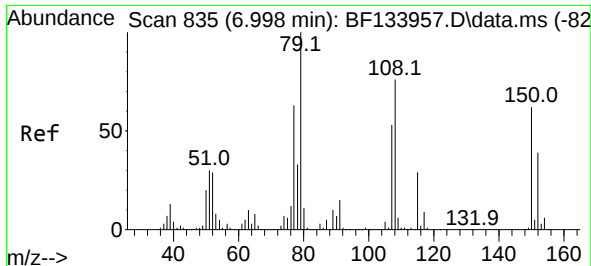
Ion Ratio Lower Upper

146 100

148 63.7 50.6 76.0

111 46.9 38.0 57.0

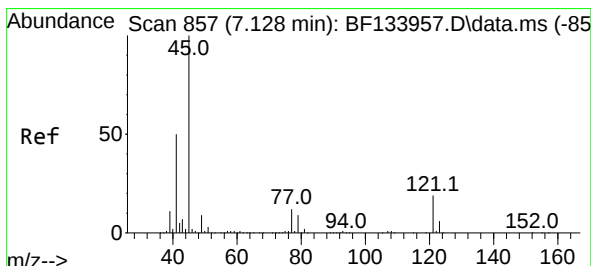
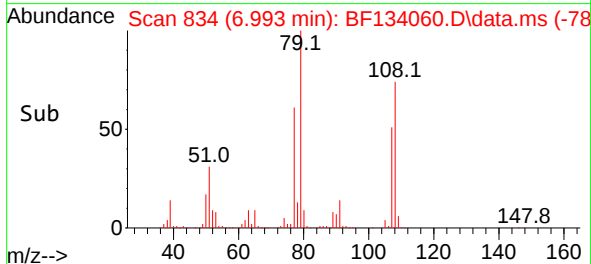
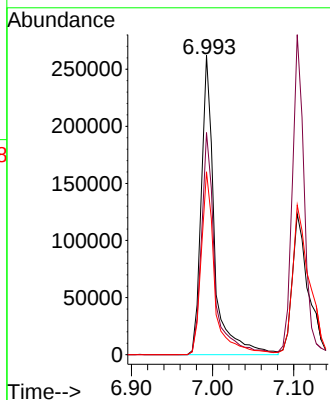
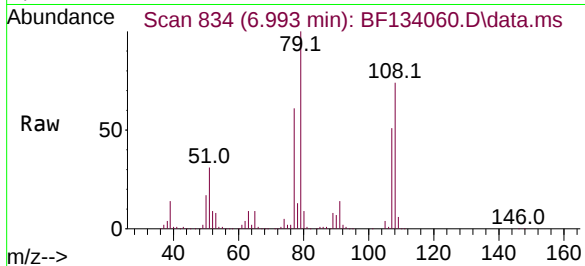




#15
Benzyl Alcohol
Concen: 53.033 ng
RT: 6.993 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

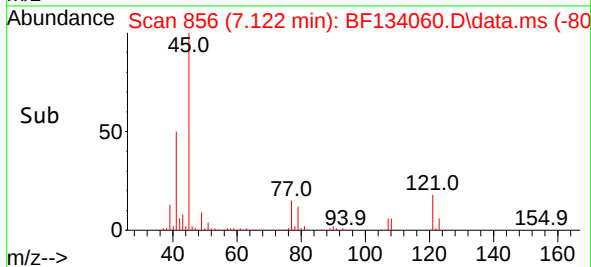
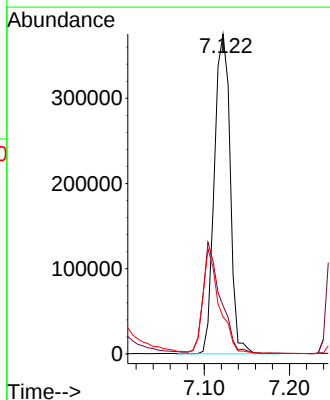
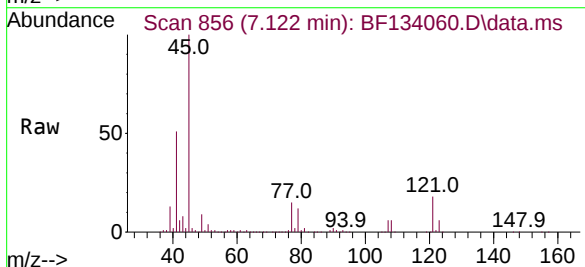
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

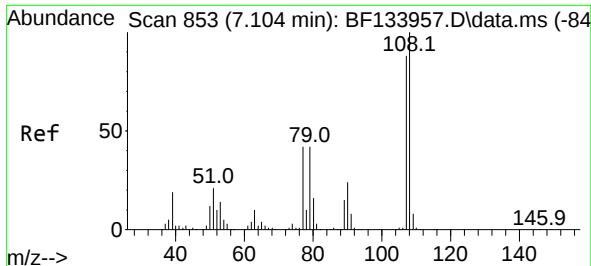
Tgt Ion: 79 Resp: 295837
Ion Ratio Lower Upper
79 100
108 74.2 60.7 91.1
77 61.1 50.6 75.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.615 ng
RT: 7.122 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion: 45 Resp: 481747
Ion Ratio Lower Upper
45 100
77 15.1 0.0 32.9
79 11.6 0.0 29.5

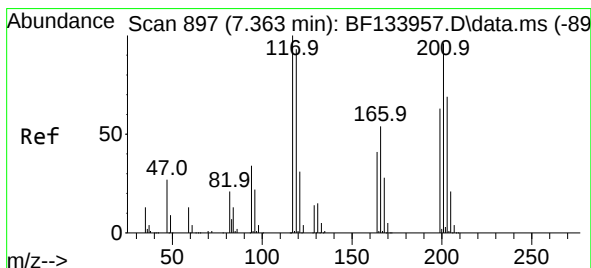
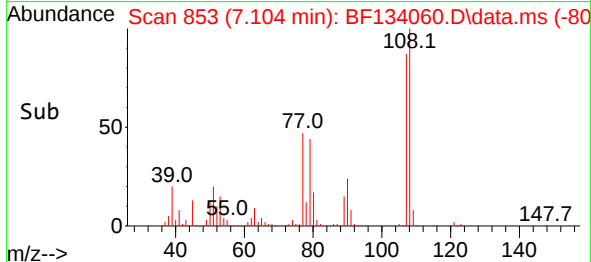
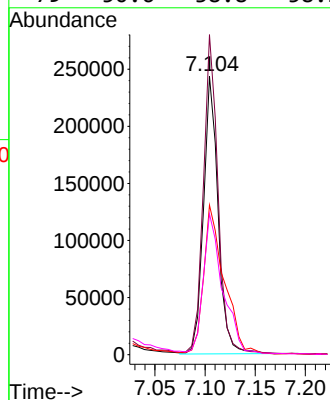
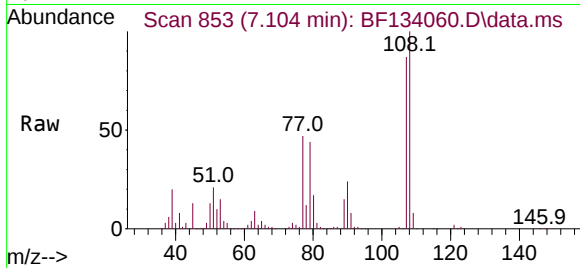




#17
2-Methylphenol
Concen: 46.371 ng
RT: 7.104 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

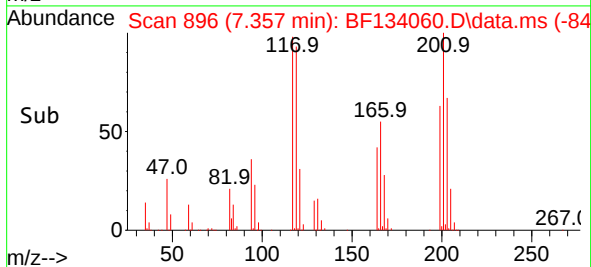
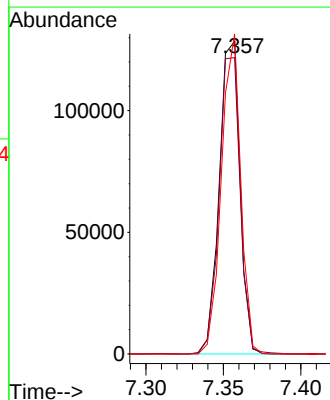
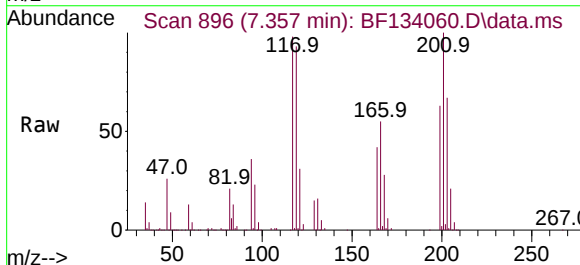
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

Tgt Ion:	107	Resp:	248020
Ion	Ratio	Lower	Upper
107	100		
108	115.0	90.6	136.0
77	53.8	38.3	57.5
79	50.6	38.8	58.2



#18
Hexachloroethane
Concen: 50.318 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:	117	Resp:	119999
Ion	Ratio	Lower	Upper
117	100		
119	94.8	74.2	111.4
201	102.4	77.2	115.8



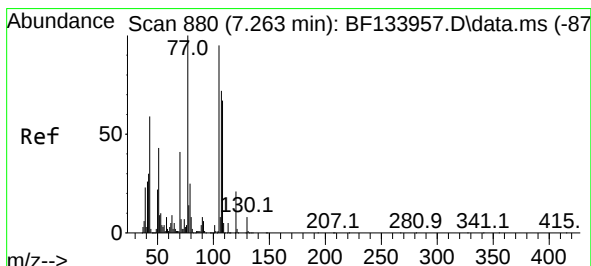
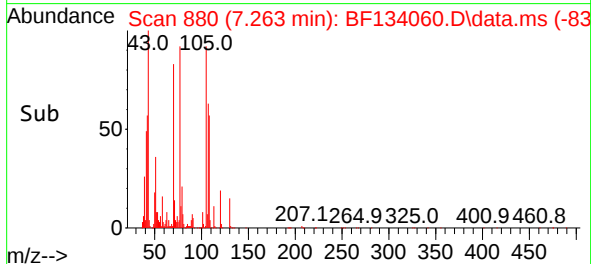
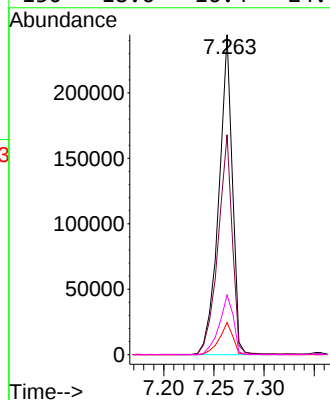
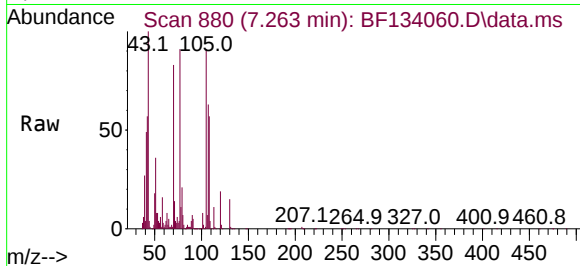


#19
n-Nitroso-di-n-propylamine
Concen: 49.906 ng
RT: 7.263 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

Tgt Ion: 70 Resp: 229013

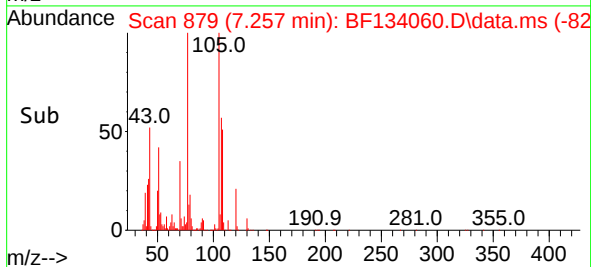
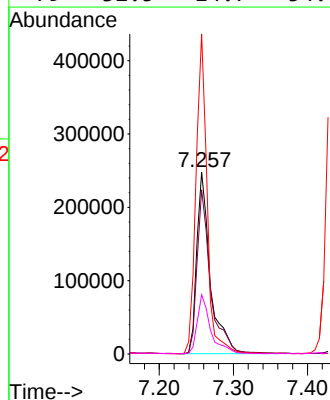
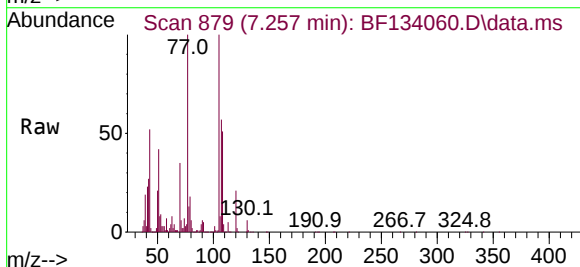
Ion	Ratio	Lower	Upper
70	100		
42	68.8	54.7	82.1
101	10.0	7.7	11.5
130	18.6	16.4	24.6

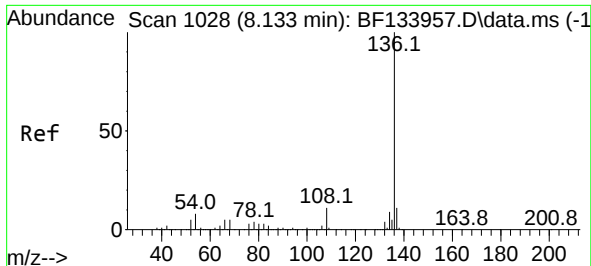


#20
3+4-Methylphenols
Concen: 48.530 ng
RT: 7.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion: 107 Resp: 314899

Ion	Ratio	Lower	Upper
107	100		
108	90.4	73.2	113.2
77	176.1	118.3	158.3#
79	32.5	14.7	54.7

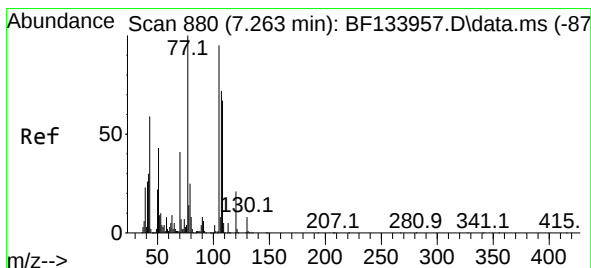
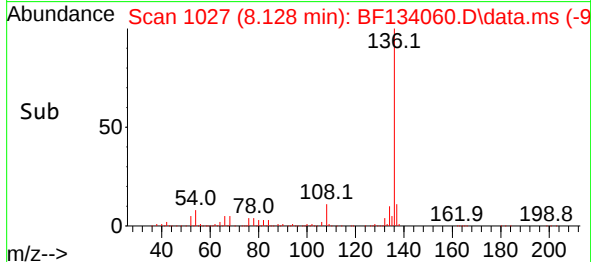
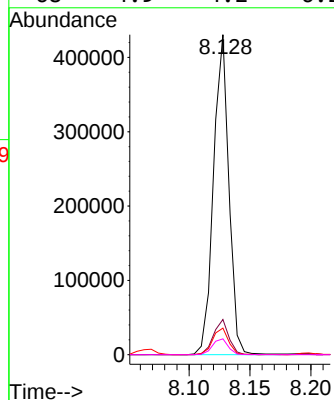
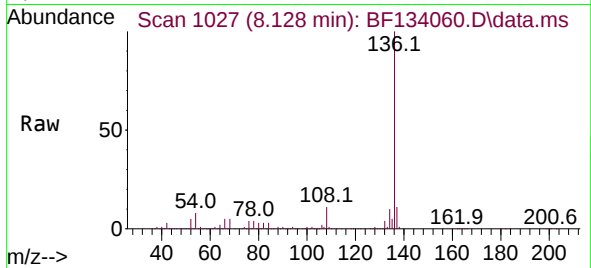




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

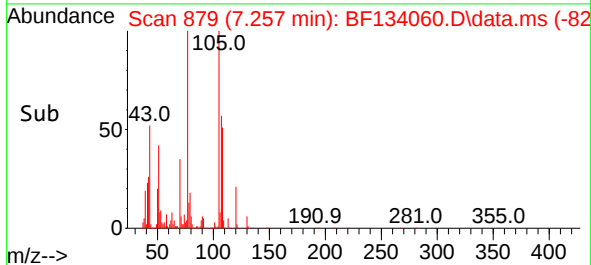
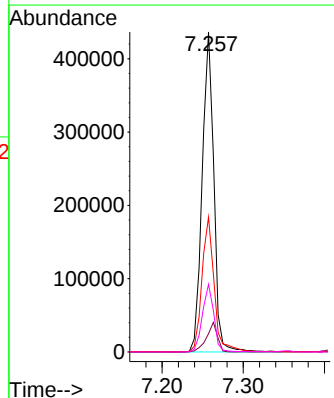
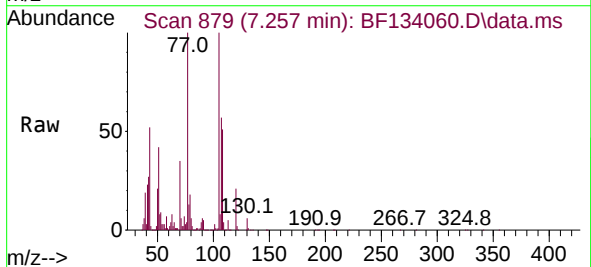
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

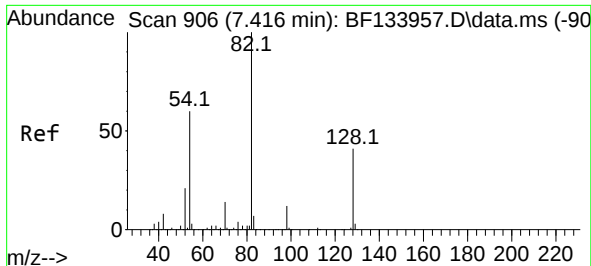
Tgt	Ion:136	Resp:	376888
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	8.3	6.5	9.7
68	4.9	4.2	6.2



#22
Acetophenone
Concen: 50.799 ng
RT: 7.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt	Ion:105	Resp:	435418
Ion	Ratio	Lower	Upper
105	100		
71	5.7	5.5	8.3
51	42.1	36.5	54.7
120	21.2	17.3	25.9

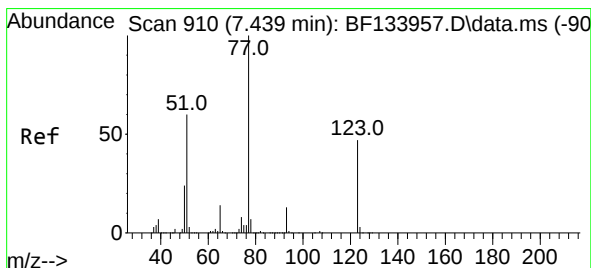
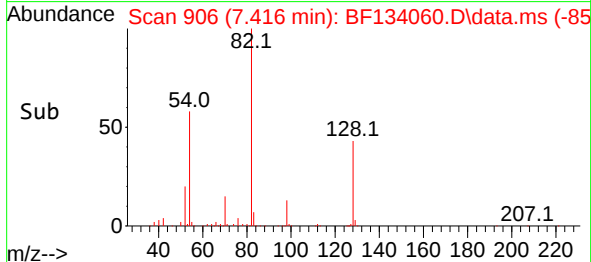
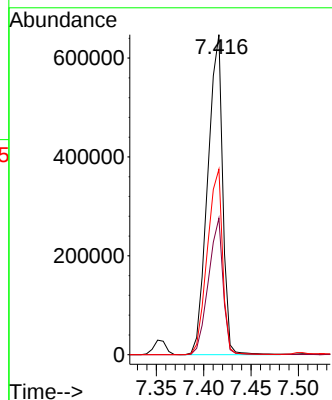
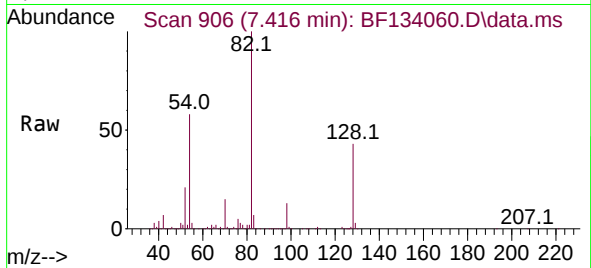




#23
Nitrobenzene-d5
Concen: 101.570 ng
RT: 7.416 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

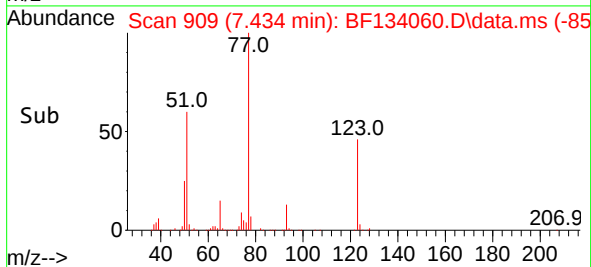
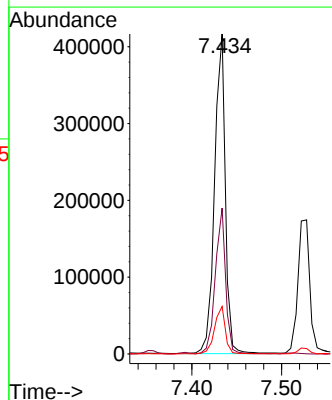
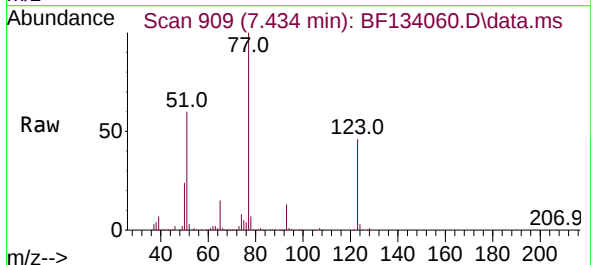
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

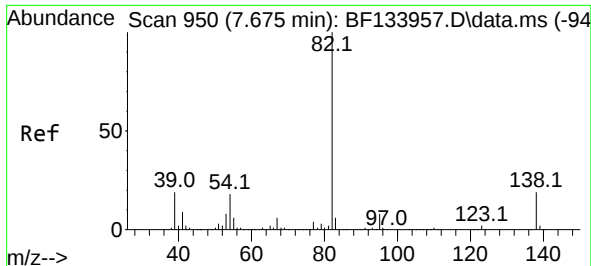
Tgt Ion: 82 Resp: 710142
Ion Ratio Lower Upper
82 100
128 42.6 32.5 48.7
54 58.0 48.2 72.2



#24
Nitrobenzene
Concen: 49.179 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion: 77 Resp: 347465
Ion Ratio Lower Upper
77 100
123 45.6 37.8 56.6
65 14.9 11.3 16.9

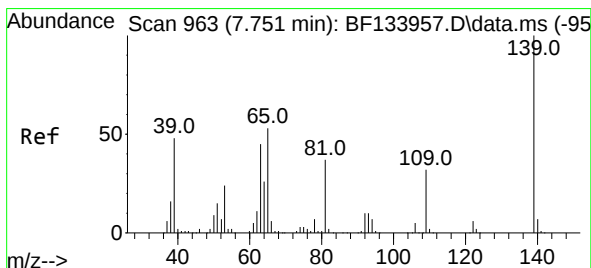
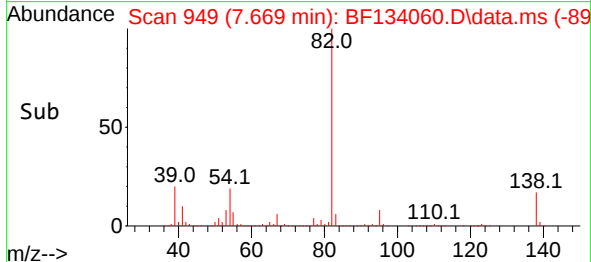
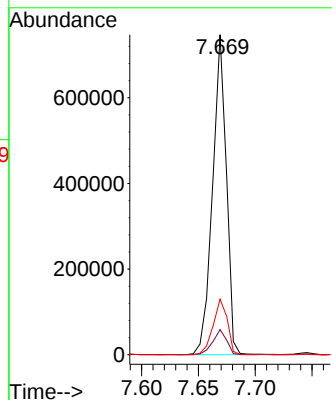
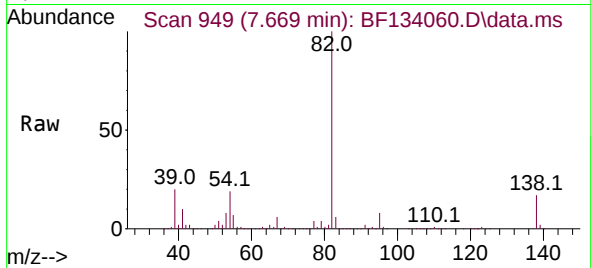




#25
Isophorone
Concen: 49.466 ng
RT: 7.669 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

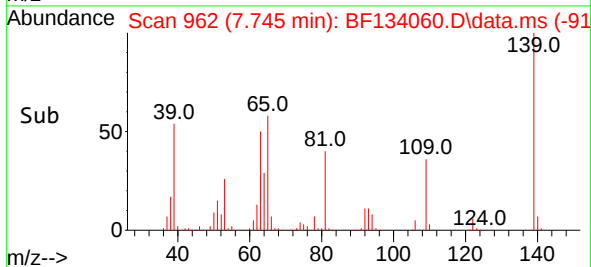
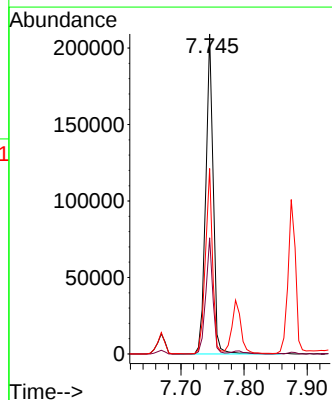
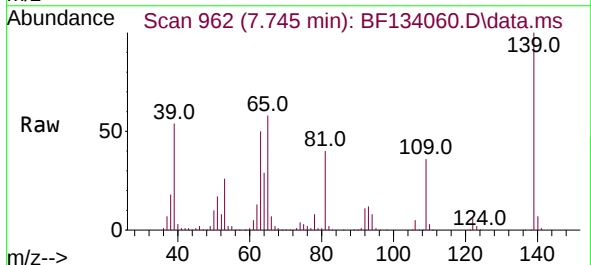
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

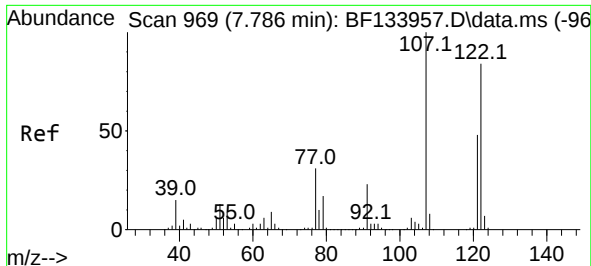
Tgt Ion: 82 Resp: 628555
Ion Ratio Lower Upper
82 100
95 7.9 6.1 9.1
138 17.3 15.2 22.8



#26
2-Nitrophenol
Concen: 51.152 ng
RT: 7.745 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:139 Resp: 173370
Ion Ratio Lower Upper
139 100
109 36.3 25.8 38.8
65 57.9 42.4 63.6

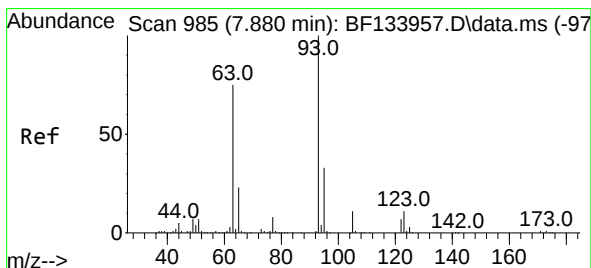
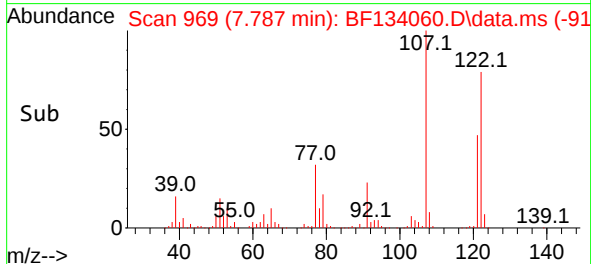
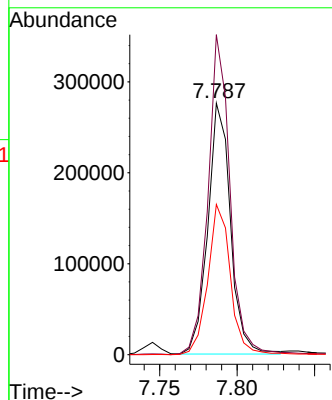
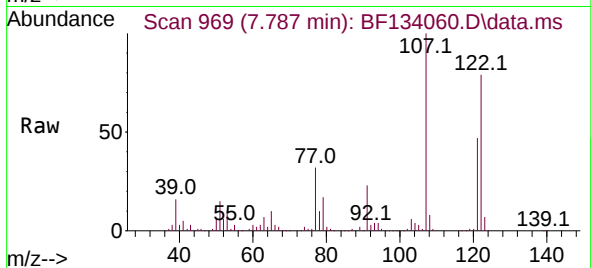




#27
2,4-Dimethylphenol
Concen: 52.356 ng
RT: 7.787 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

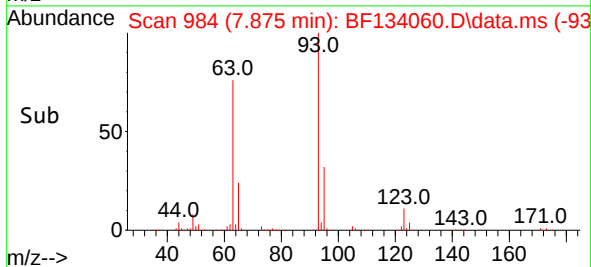
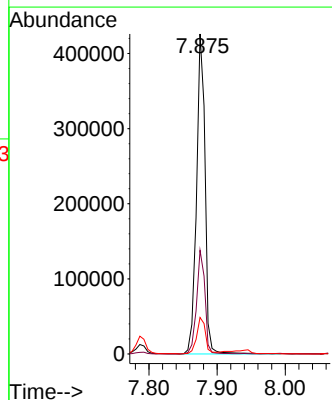
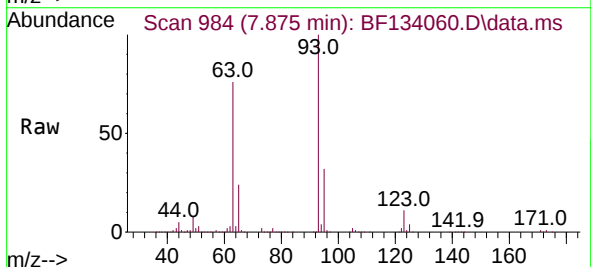
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

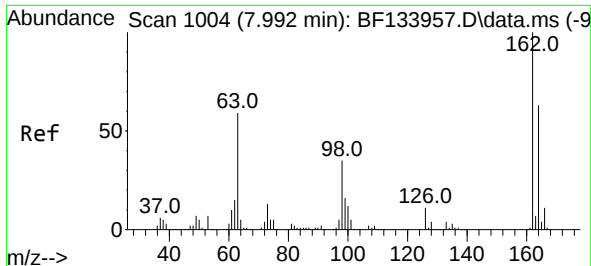
Tgt Ion:	122	Resp:	280892
Ion	Ratio	Lower	Upper
122	100		
107	127.2	95.5	143.3
121	59.7	45.5	68.3



#28
bis(2-Chloroethoxy)methane
Concen: 50.438 ng
RT: 7.875 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:	93	Resp:	371107
Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.5	39.7
123	11.4	9.1	13.7





#29

2,4-Dichlorophenol

Concen: 51.576 ng

RT: 7.992 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF134060.D

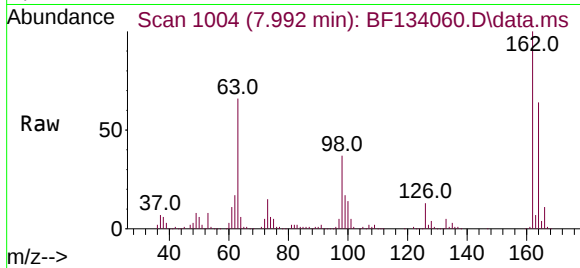
Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD



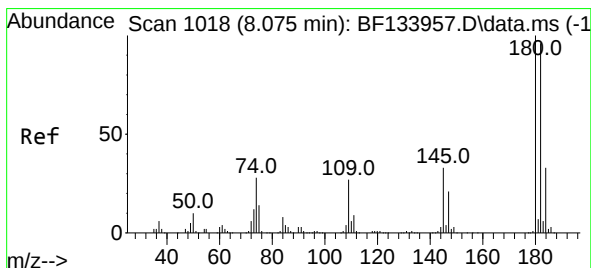
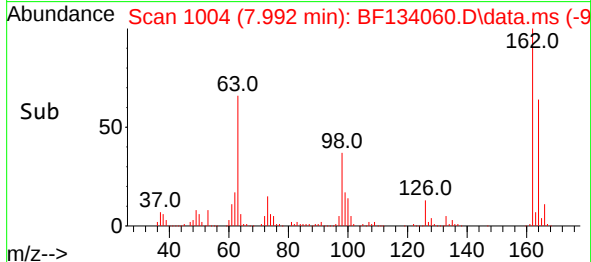
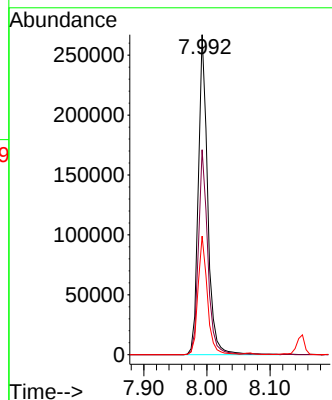
Tgt Ion:162 Resp: 274386

Ion Ratio Lower Upper

162 100

164 64.1 43.2 83.2

98 37.0 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 50.090 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

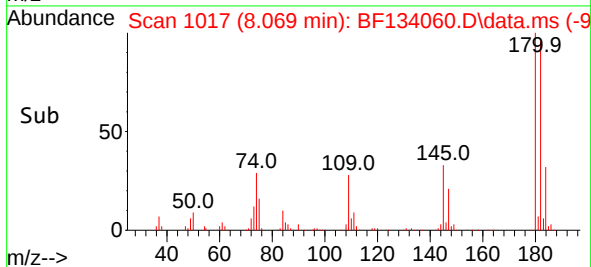
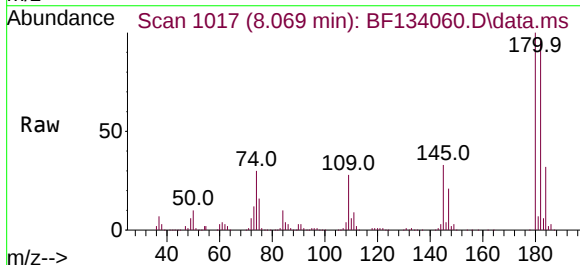
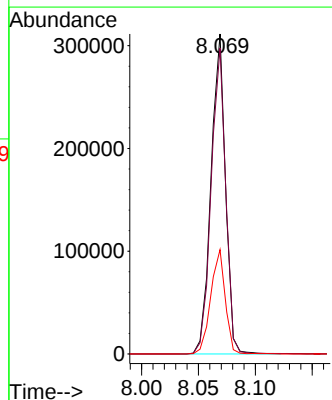
Tgt Ion:180 Resp: 274963

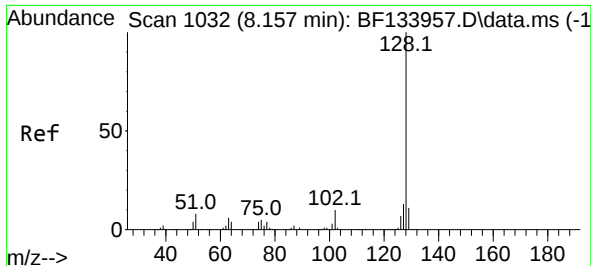
Ion Ratio Lower Upper

180 100

182 95.6 77.1 115.7

145 32.6 26.0 39.0

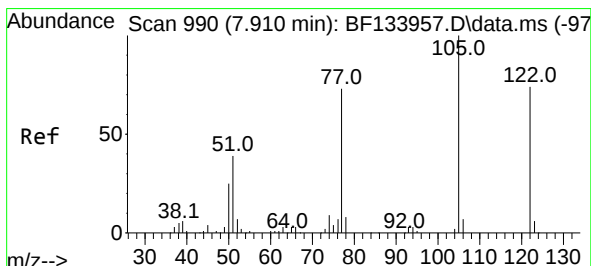
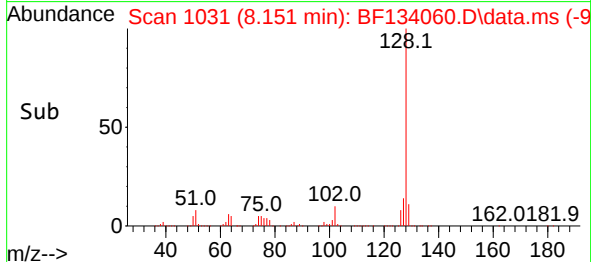
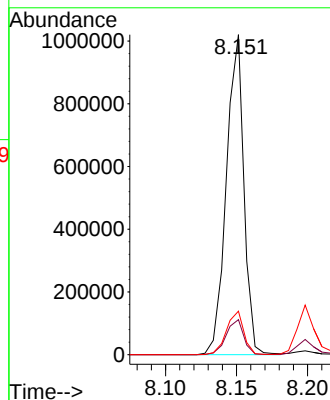
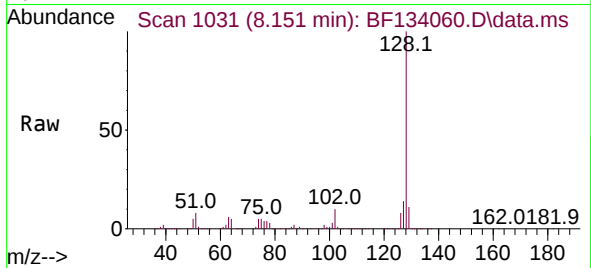




#31
Naphthalene
Concen: 48.106 ng
RT: 8.151 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

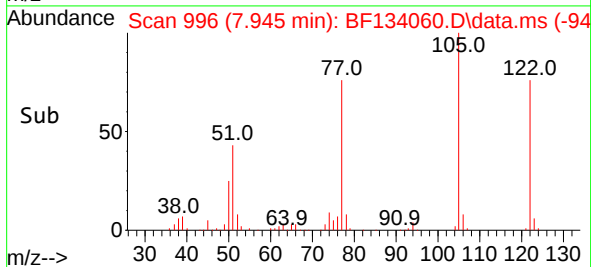
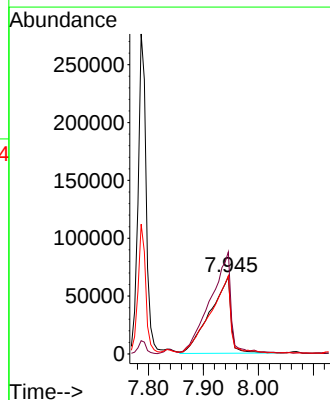
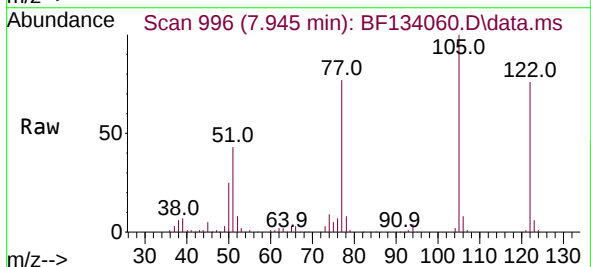
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

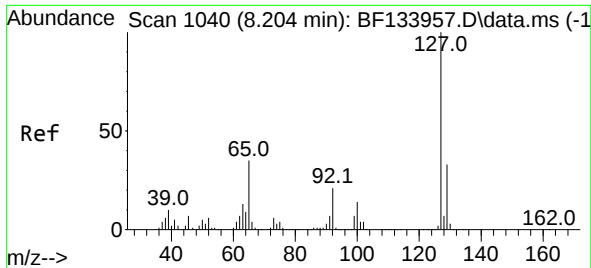
Tgt Ion:128 Resp: 875758
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.6 10.6 15.8



#32
Benzoic acid
Concen: 43.824 ng
RT: 7.945 min Scan# 996
Delta R.T. 0.029 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:122 Resp: 176181
Ion Ratio Lower Upper
122 100
105 132.0 109.7 149.7
77 101.1 76.0 116.0

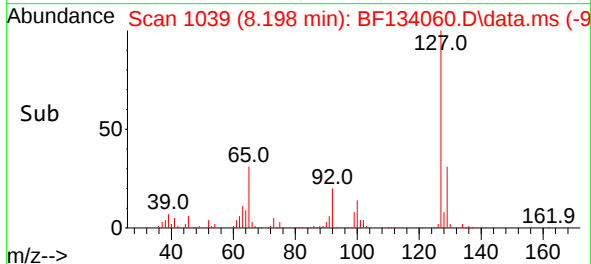
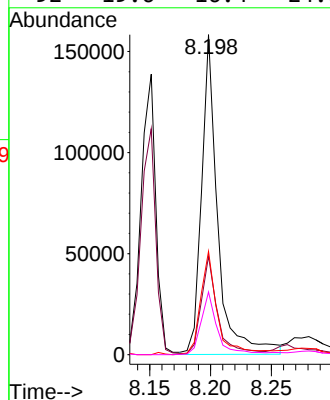
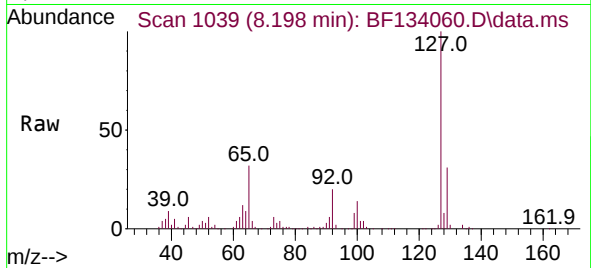




#33
4-Chloroaniline
Concen: 18.872 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

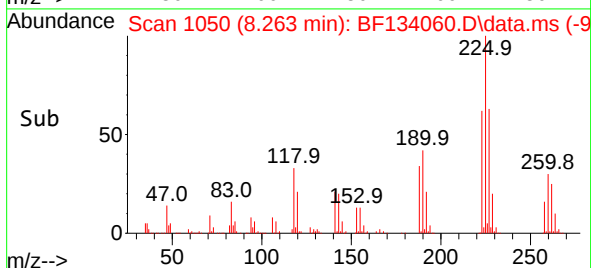
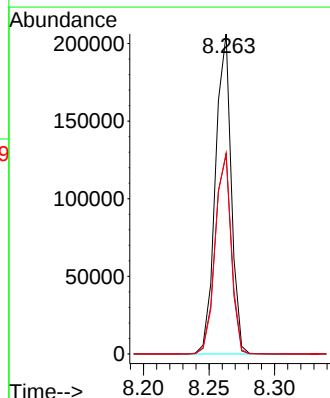
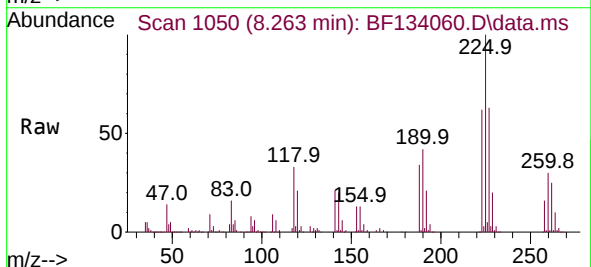
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

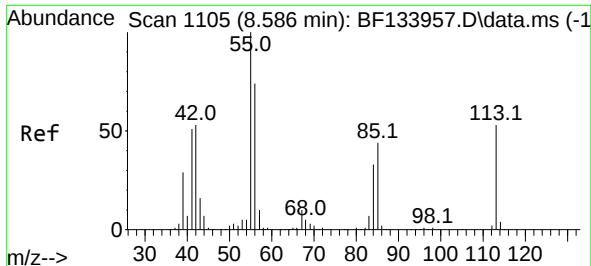
Tgt Ion:	127	Resp:	146962
Ion	Ratio	Lower	Upper
127	100		
129	30.7	26.4	39.6
65	32.3	27.8	41.8
92	19.6	16.4	24.6



#34
Hexachlorobutadiene
Concen: 49.749 ng
RT: 8.263 min Scan# 1050
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:	225	Resp:	172270
Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.8
227	62.7	51.0	76.4

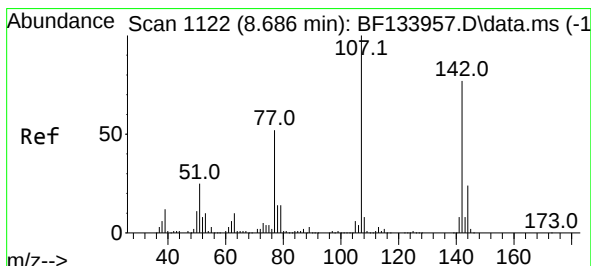
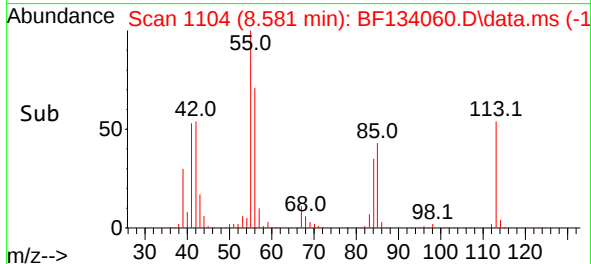
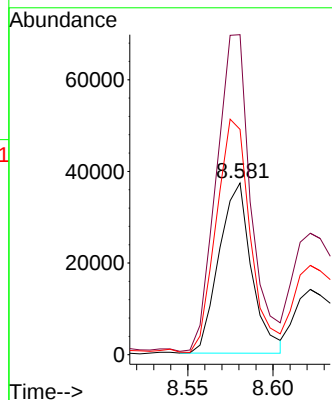
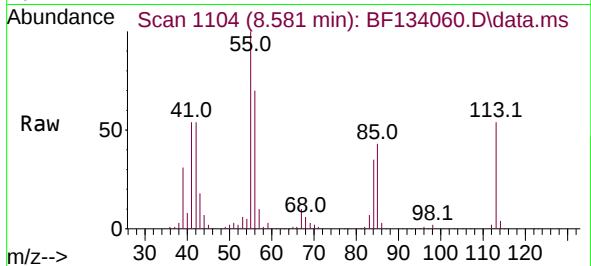




#35
 Caprolactam
 Concen: 28.221 ng
 RT: 8.581 min Scan# 1104
 Delta R.T. -0.012 min
 Lab File: BF134060.D
 Acq: 30 Jun 2023 19:29

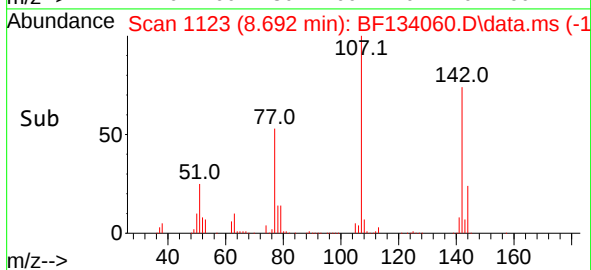
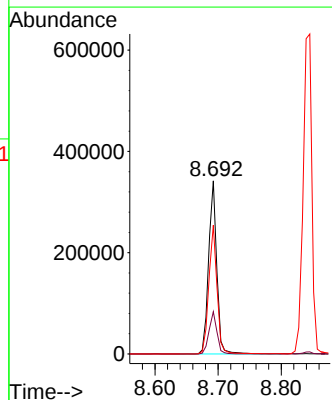
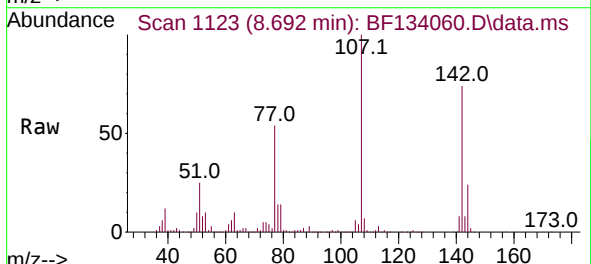
Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-1MSD

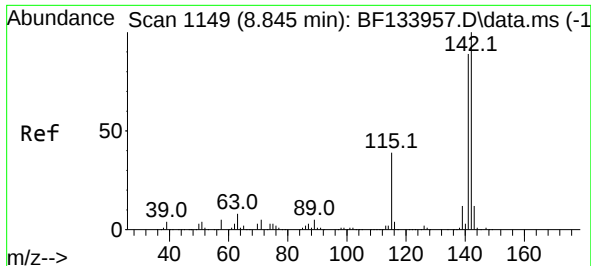
Tgt Ion:113 Resp: 49435
 Ion Ratio Lower Upper
 113 100
 55 186.4 170.2 210.2
 56 131.3 121.4 161.4



#36
 4-Chloro-3-methylphenol
 Concen: 51.600 ng
 RT: 8.692 min Scan# 1123
 Delta R.T. 0.006 min
 Lab File: BF134060.D
 Acq: 30 Jun 2023 19:29

Tgt Ion:107 Resp: 308388
 Ion Ratio Lower Upper
 107 100
 144 24.4 19.6 29.4
 142 74.4 61.4 92.2





#37

2-Methylnaphthalene

Concen: 47.135 ng

RT: 8.845 min Scan# 1149

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

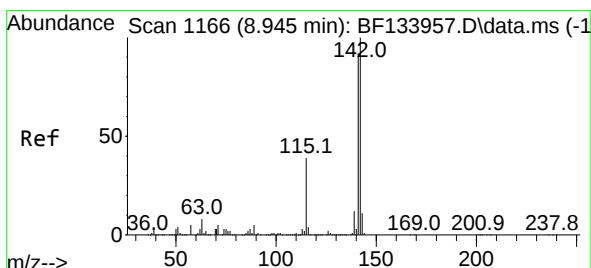
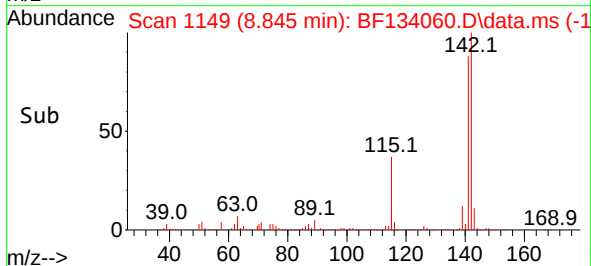
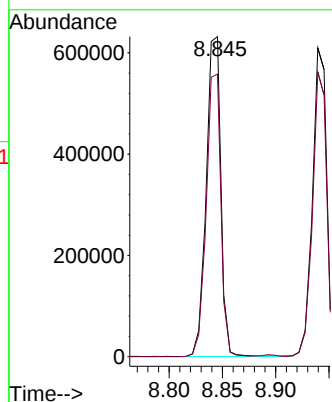
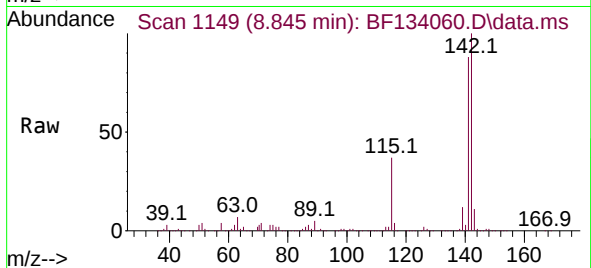
PNNL-APM-0621-1MSD

Tgt Ion:142 Resp: 606800

Ion Ratio Lower Upper

142 100

141 88.3 71.0 106.4



#38

1-Methylnaphthalene

Concen: 47.118 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF134060.D

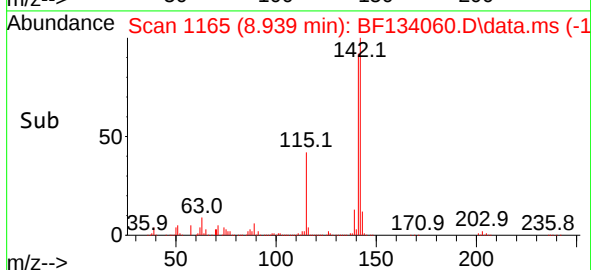
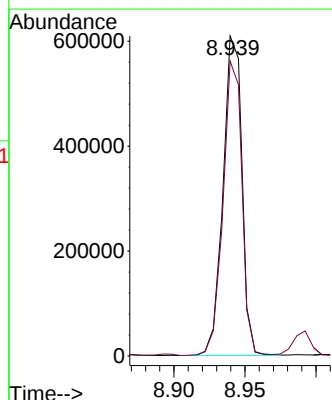
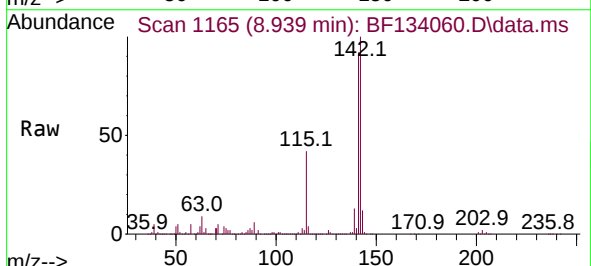
Acq: 30 Jun 2023 19:29

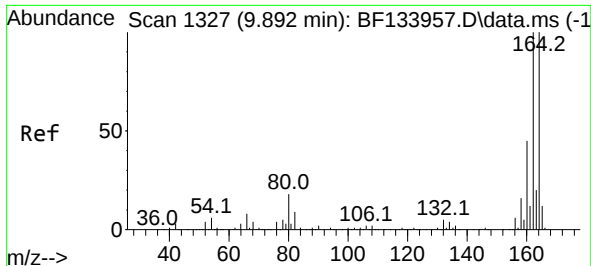
Tgt Ion:142 Resp: 563909

Ion Ratio Lower Upper

142 100

141 92.1 73.5 110.3

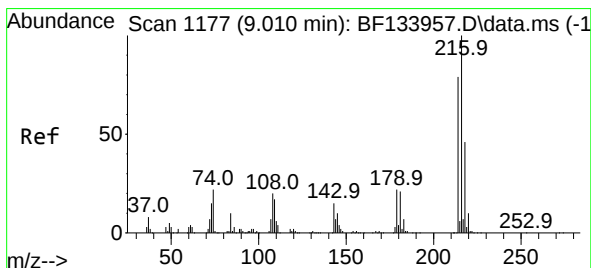
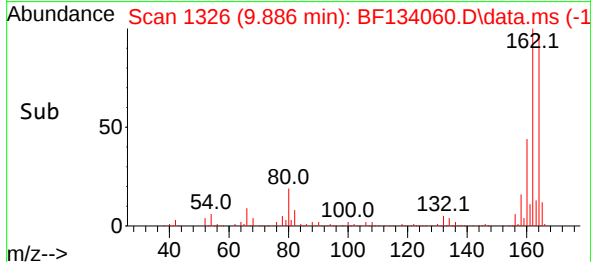
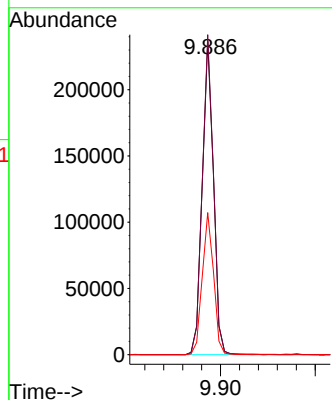
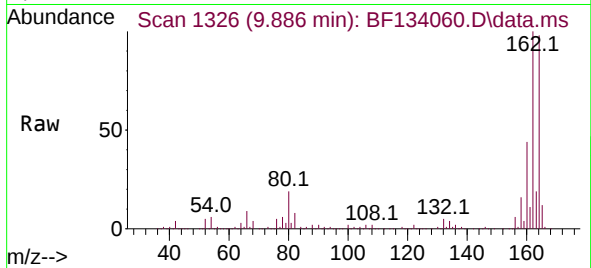




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

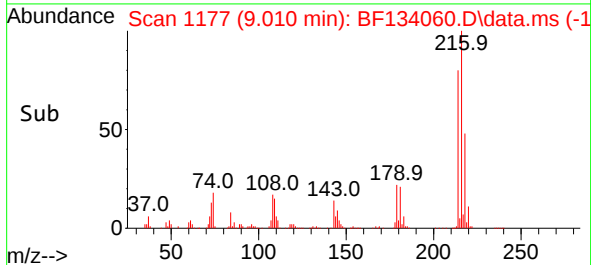
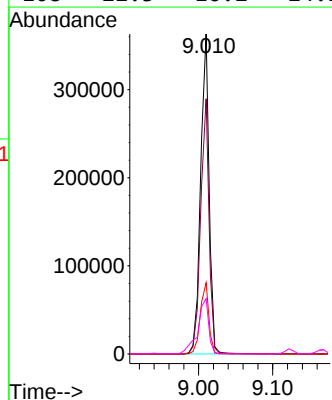
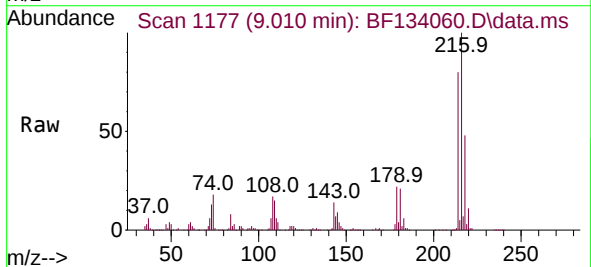
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

Tgt Ion:164 Resp: 196034
Ion Ratio Lower Upper
164 100
162 102.1 80.0 120.0
160 45.3 35.9 53.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.706 ng
RT: 9.010 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:216 Resp: 288686
Ion Ratio Lower Upper
216 100
214 78.9 64.1 96.1
179 22.4 17.3 25.9
108 22.3 16.2 24.2

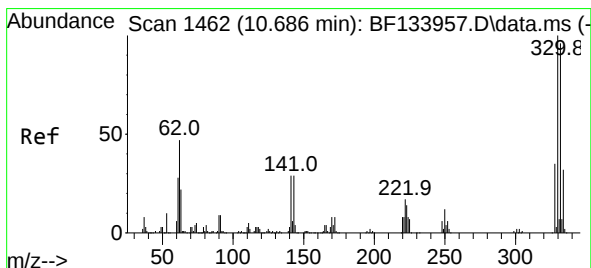
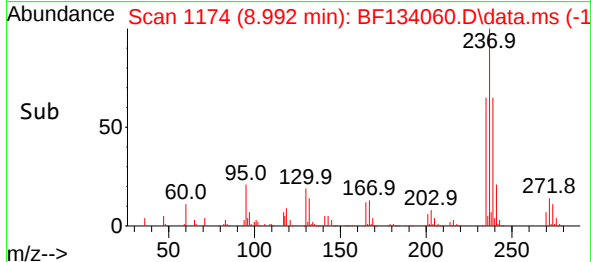
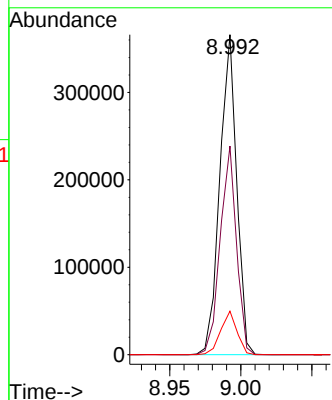
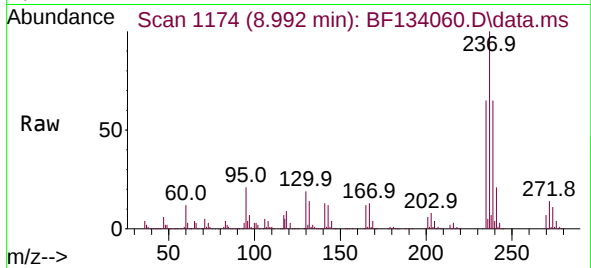




#41
Hexachlorocyclopentadiene
Concen: 109.557 ng
RT: 8.992 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

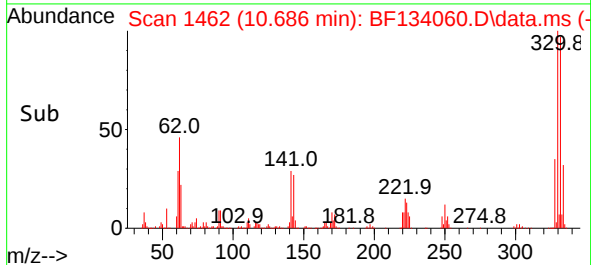
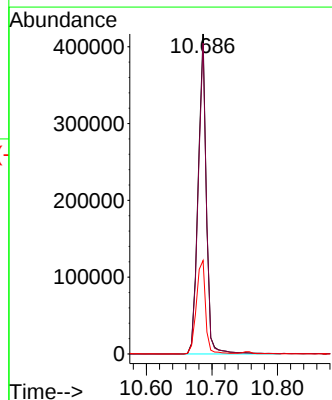
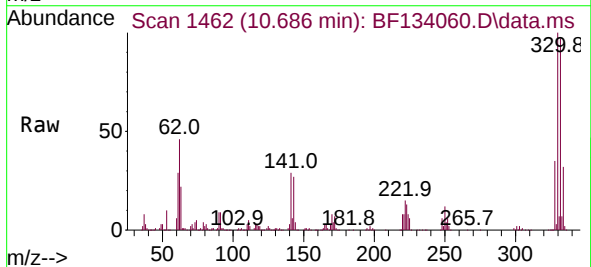
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

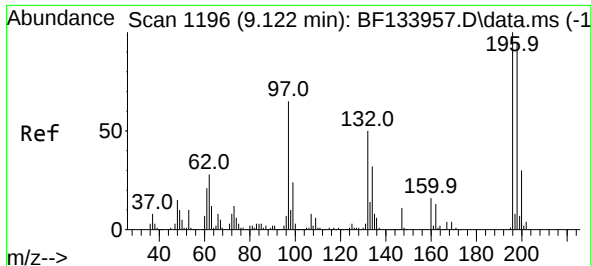
Tgt Ion:237 Resp: 301867
Ion Ratio Lower Upper
237 100
235 65.2 42.8 82.8
272 13.6 0.0 34.6



#42
2,4,6-Tribromophenol
Concen: 147.649 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:330 Resp: 362902
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 32.9 26.3 39.5





#43

2,4,6-Trichlorophenol

Concen: 51.288 ng

RT: 9.122 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

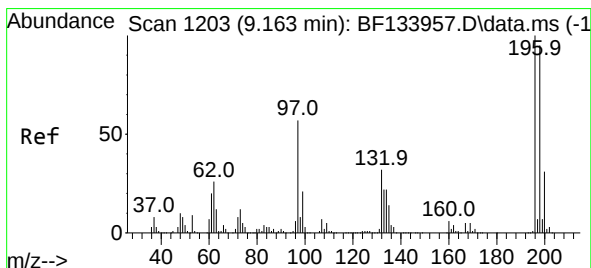
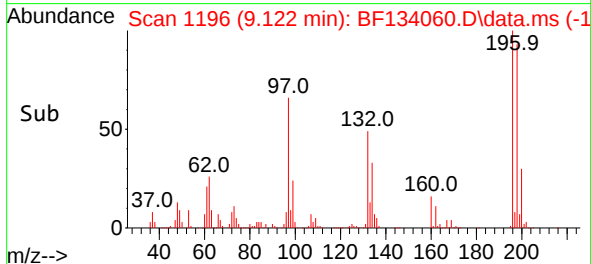
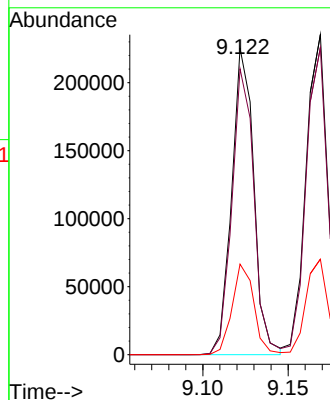
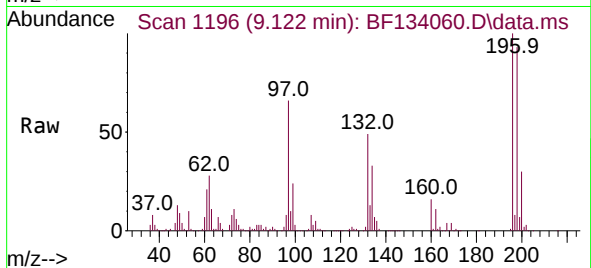
Tgt Ion:196 Resp: 202774

Ion Ratio Lower Upper

196 100

198 93.3 75.6 113.4

200 29.5 24.4 36.6



#44

2,4,5-Trichlorophenol

Concen: 47.256 ng

RT: 9.169 min Scan# 1204

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Tgt Ion:196 Resp: 219766

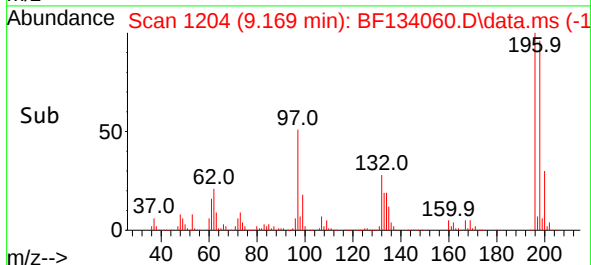
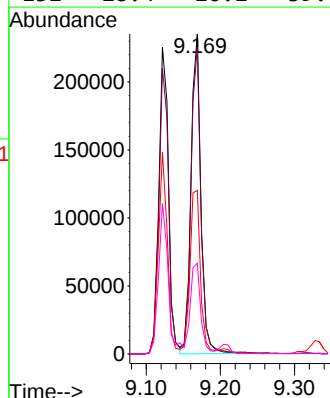
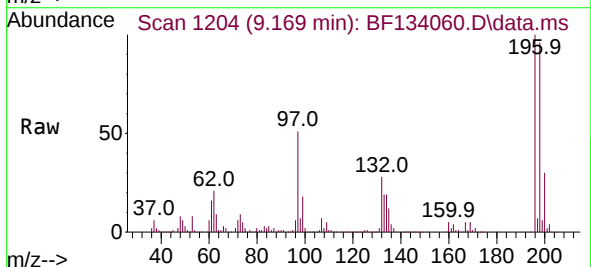
Ion Ratio Lower Upper

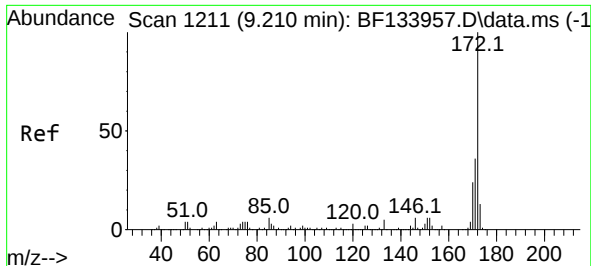
196 100

198 96.0 75.7 113.5

97 51.1 45.8 68.6

132 28.4 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 96.878 ng

RT: 9.210 min Scan# 1211

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

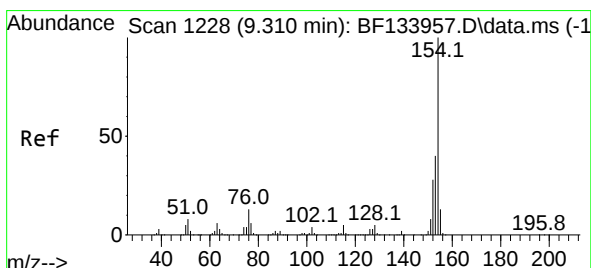
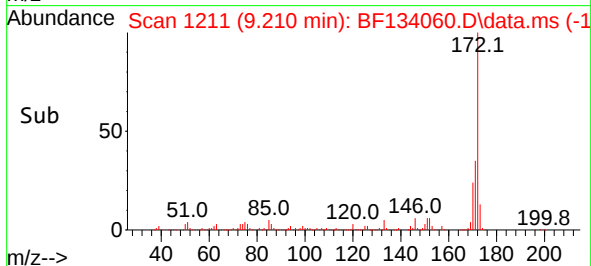
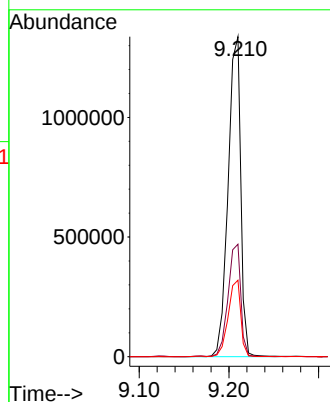
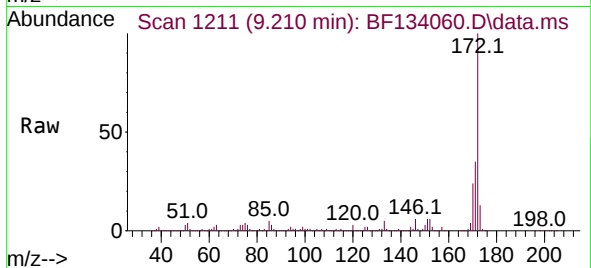
Tgt Ion:172 Resp: 1306243

Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 23.9 19.4 29.0



#46

1,1'-Biphenyl

Concen: 48.698 ng

RT: 9.310 min Scan# 1228

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

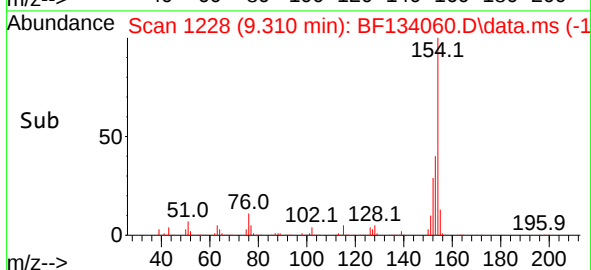
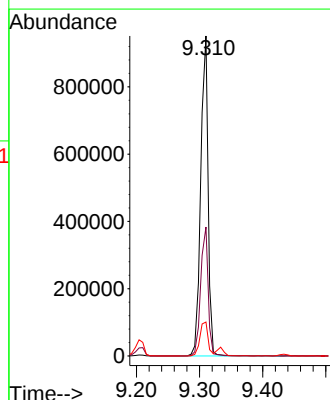
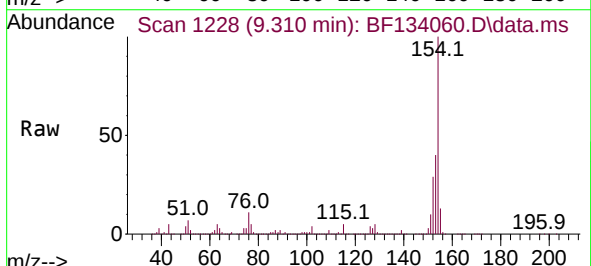
Tgt Ion:154 Resp: 765781

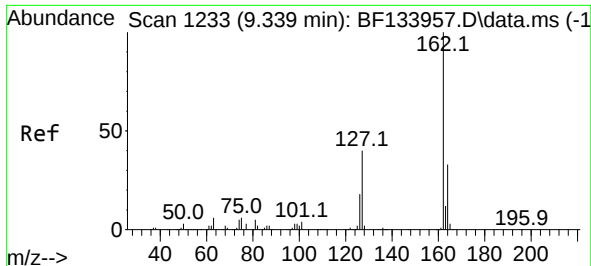
Ion Ratio Lower Upper

154 100

153 40.3 19.8 59.8

76 10.6 0.0 32.9

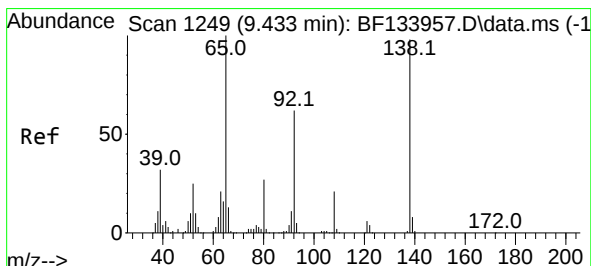
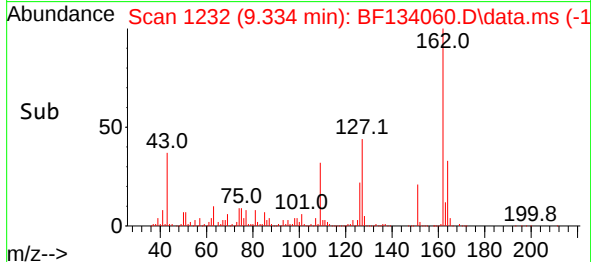
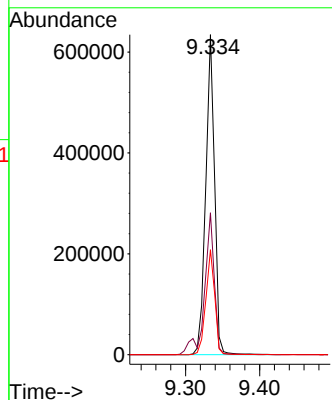
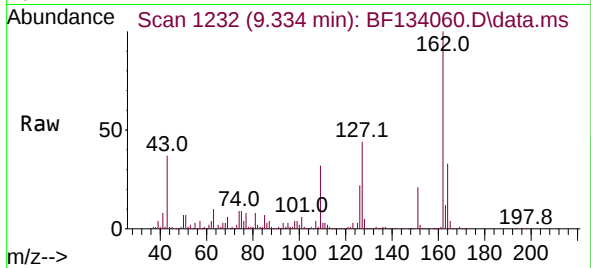




#47
2-Chloronaphthalene
Concen: 46.012 ng
RT: 9.334 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

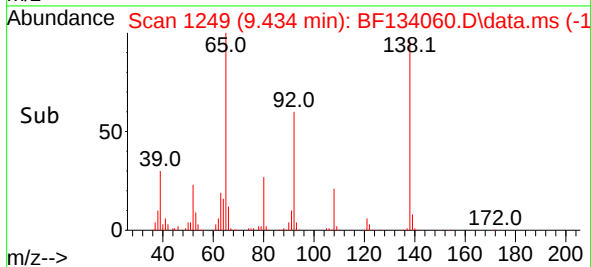
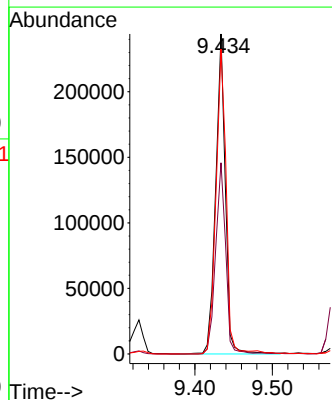
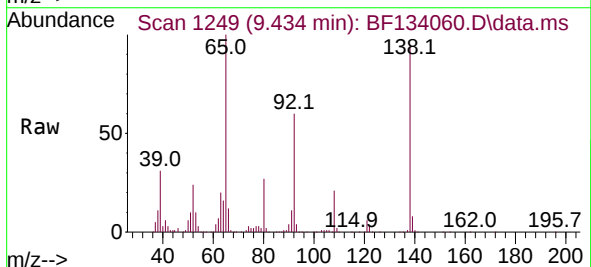
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

Tgt Ion:162 Resp: 529391
Ion Ratio Lower Upper
162 100
127 44.4 32.9 49.3
164 32.8 26.1 39.1



#48
2-Nitroaniline
Concen: 50.514 ng
RT: 9.434 min Scan# 1249
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion: 65 Resp: 211813
Ion Ratio Lower Upper
65 100
92 59.7 49.5 74.3
138 95.3 78.0 117.0





#49

Acenaphthylene

Concen: 48.770 ng

RT: 9.751 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

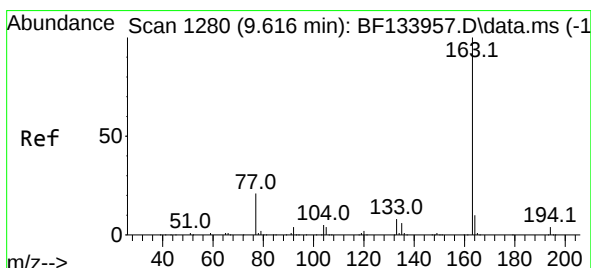
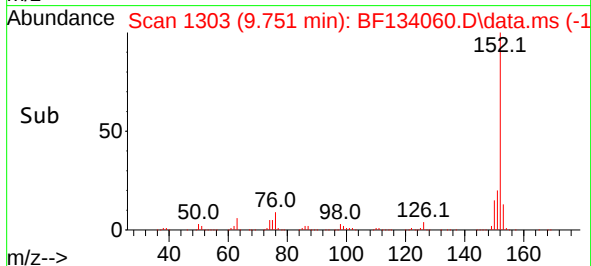
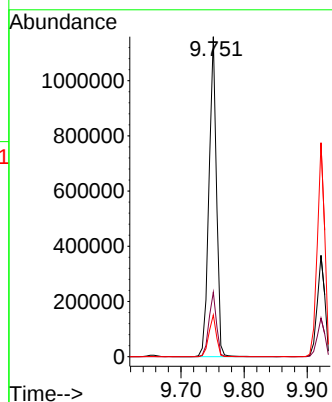
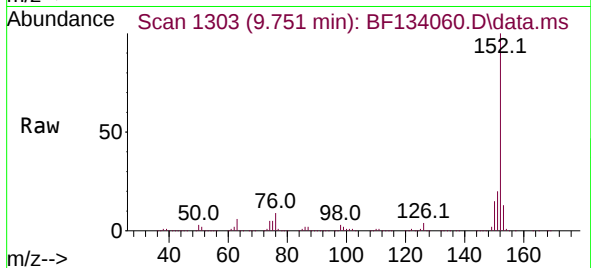
Tgt Ion:152 Resp: 958536

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 13.0 10.8 16.2



#50

Dimethylphthalate

Concen: 51.368 ng

RT: 9.616 min Scan# 1280

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

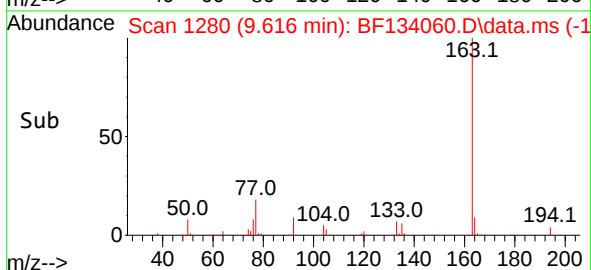
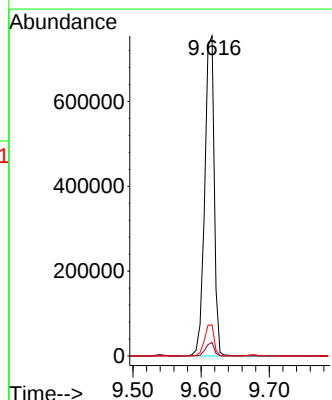
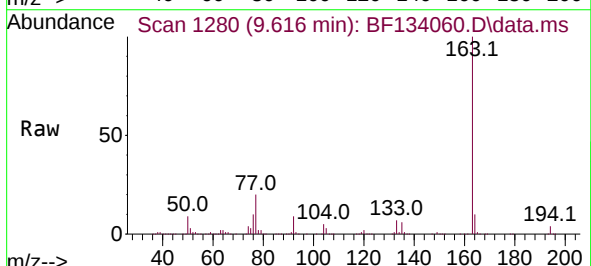
Tgt Ion:163 Resp: 730980

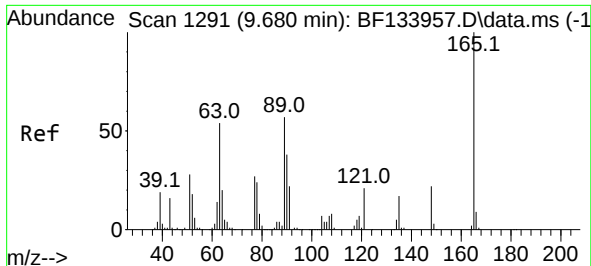
Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.6

164 9.7 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 52.198 ng

RT: 9.675 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

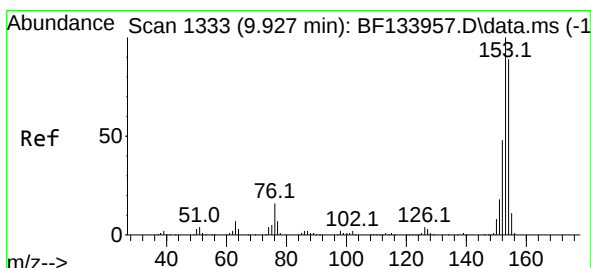
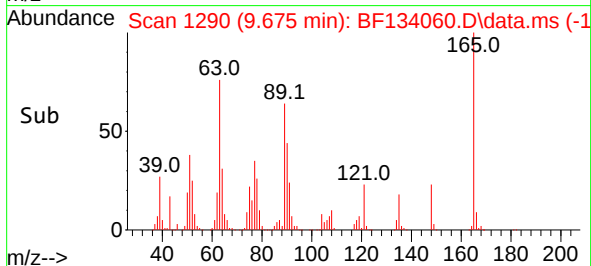
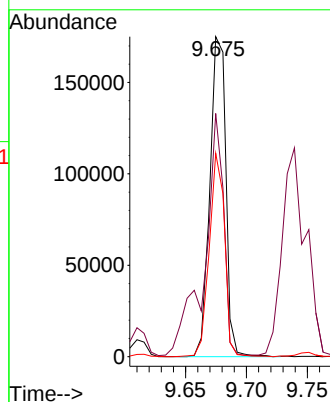
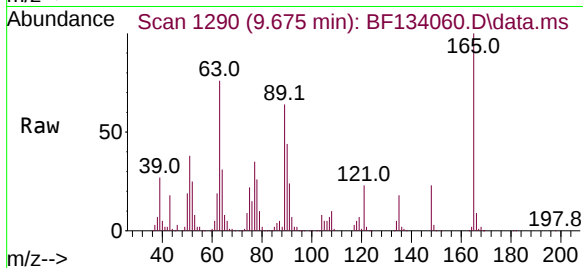
Tgt Ion:165 Resp: 159984

Ion Ratio Lower Upper

165 100

63 76.0 48.5 72.7#

89 63.6 45.5 68.3



#52

Acenaphthene

Concen: 49.528 ng

RT: 9.922 min Scan# 1332

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

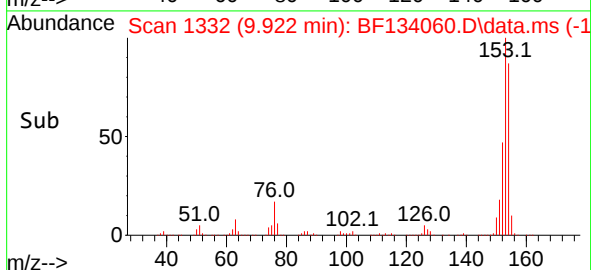
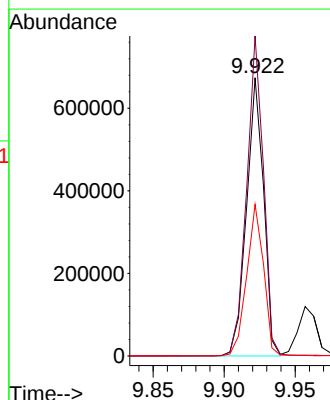
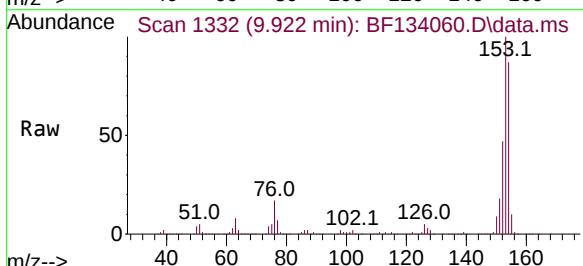
Tgt Ion:154 Resp: 564840

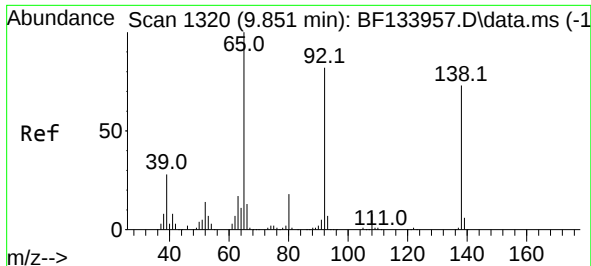
Ion Ratio Lower Upper

154 100

153 115.0 89.4 134.2

152 54.4 42.8 64.2

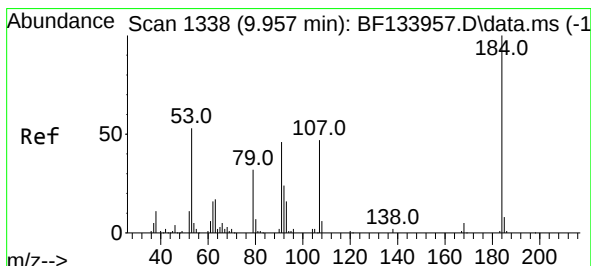
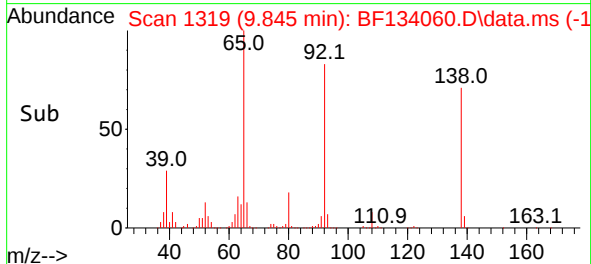
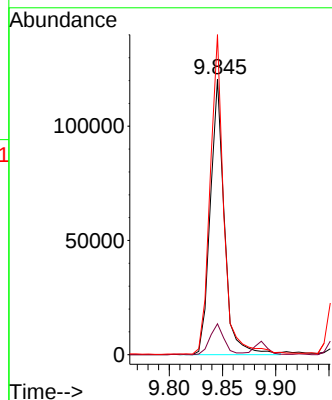
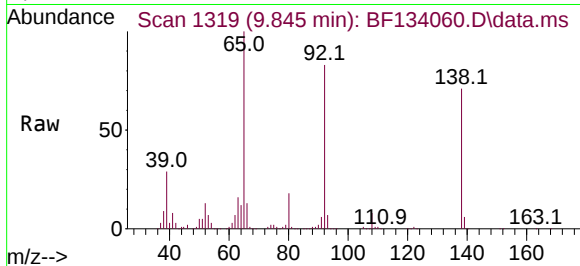




#53
3-Nitroaniline
Concen: 30.140 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

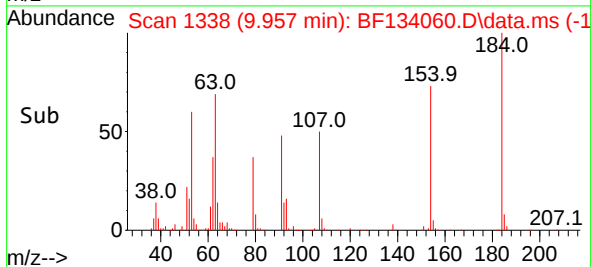
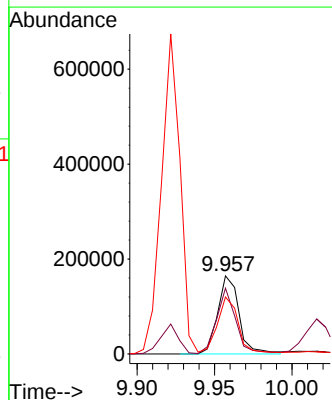
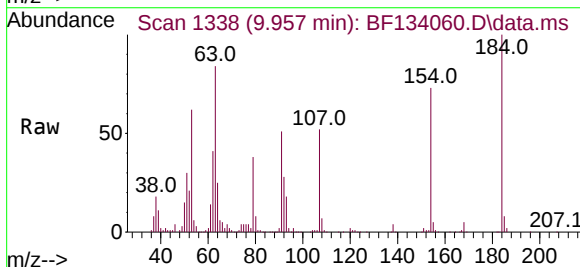
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

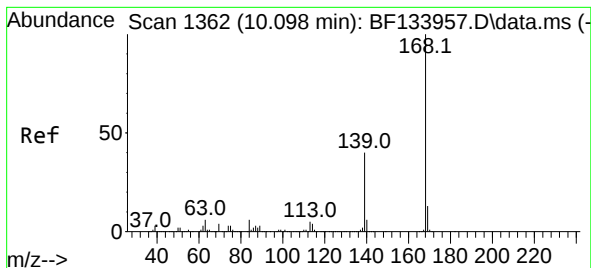
Tgt Ion:138 Resp: 110823
Ion Ratio Lower Upper
138 100
108 11.2 8.4 12.6
92 116.0 90.1 135.1



#54
2,4-Dinitrophenol
Concen: 88.478 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:184 Resp: 157371
Ion Ratio Lower Upper
184 100
63 84.1 56.9 85.3
154 72.8 55.4 83.0





#55

Dibenzenofuran

Concen: 48.539 ng

RT: 10.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

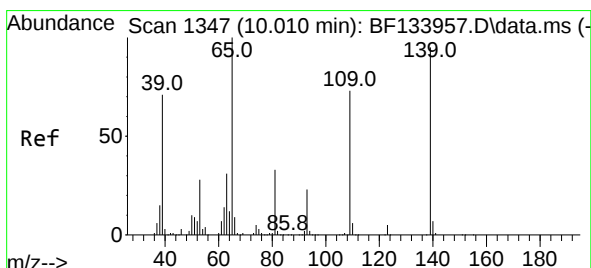
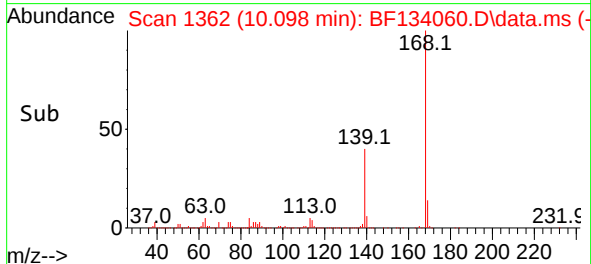
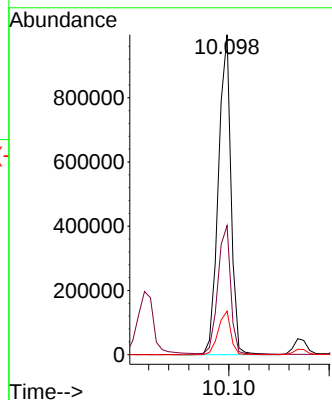
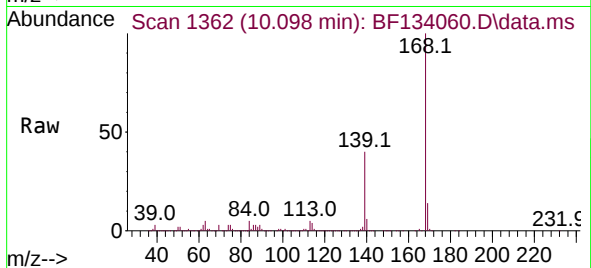
Tgt Ion:168 Resp: 865138

Ion Ratio Lower Upper

168 100

139 40.4 32.0 48.0

169 13.6 10.6 16.0



#56

4-Nitrophenol

Concen: 87.277 ng

RT: 10.016 min Scan# 1348

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

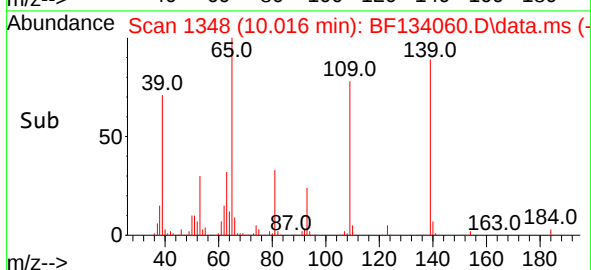
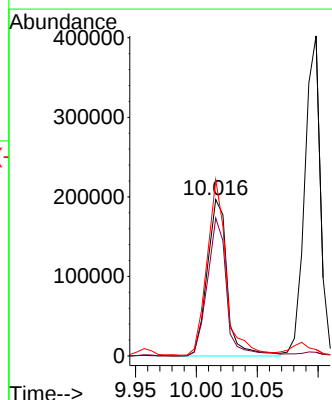
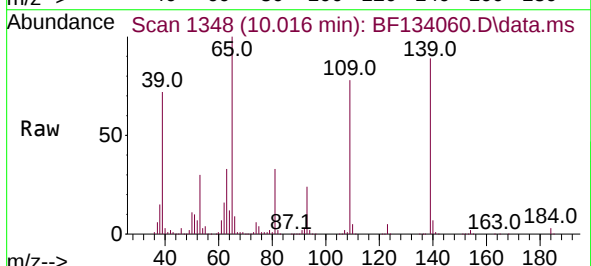
Tgt Ion:139 Resp: 224472

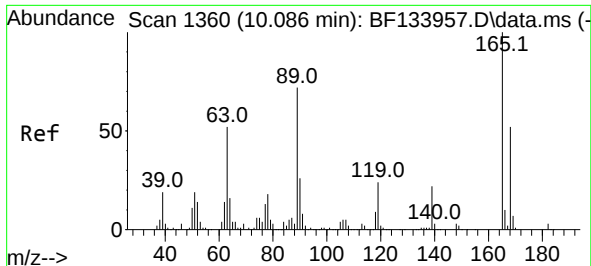
Ion Ratio Lower Upper

139 100

109 88.2 56.8 96.8

65 112.7 86.1 126.1

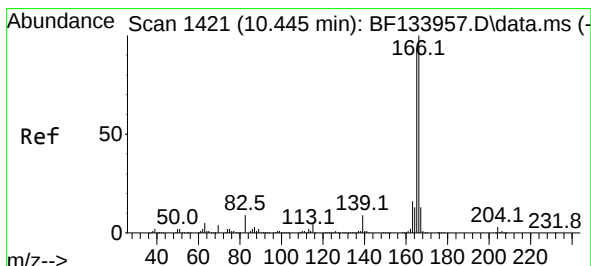
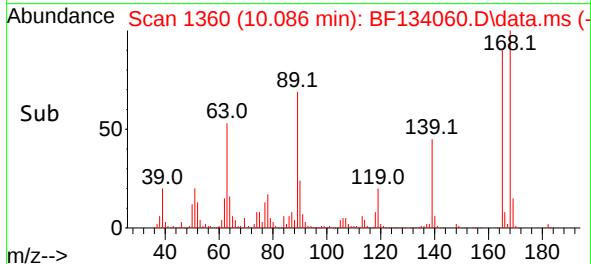
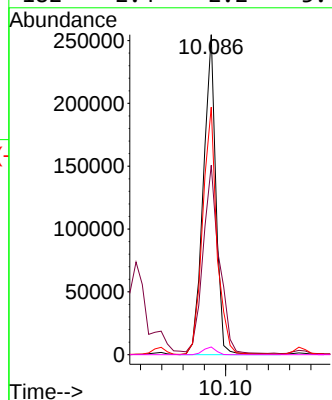
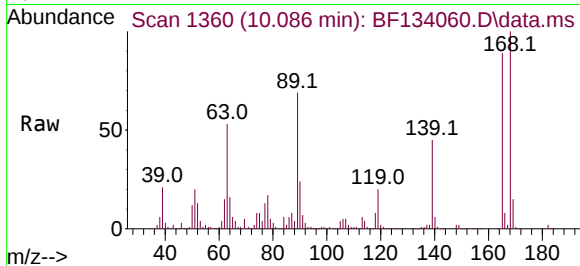




#57
2,4-Dinitrotoluene
Concen: 51.924 ng
RT: 10.086 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

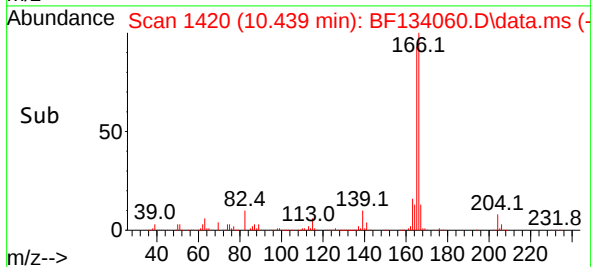
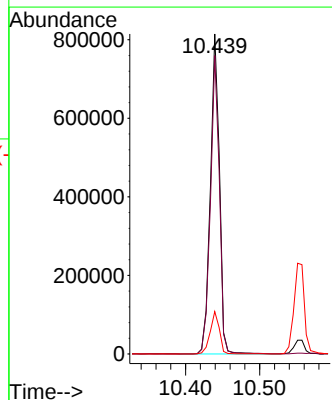
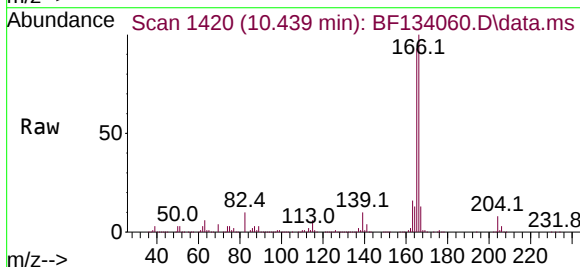
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

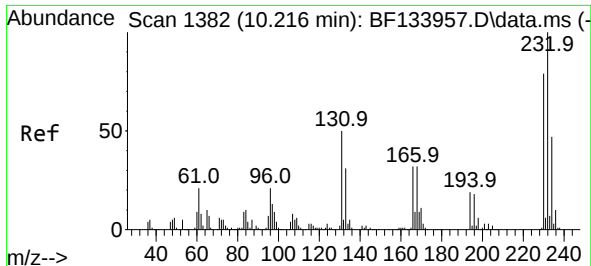
Tgt Ion:165 Resp: 210172
Ion Ratio Lower Upper
165 100
63 59.2 42.2 63.2
89 77.3 57.4 86.2
182 2.4 2.2 3.4



#58
Fluorene
Concen: 49.781 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:166 Resp: 690288
Ion Ratio Lower Upper
166 100
165 93.3 75.0 112.4
167 13.3 10.6 15.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 51.531 ng

RT: 10.216 min Scan# 1382

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

Tgt Ion:232 Resp: 189033

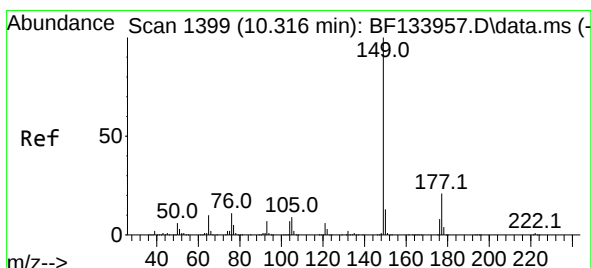
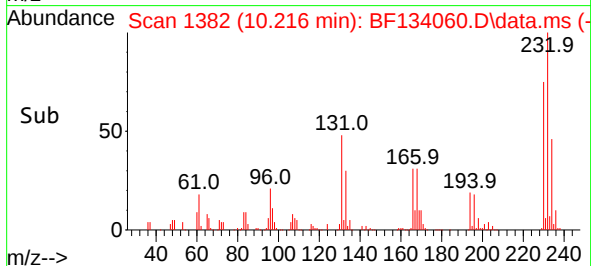
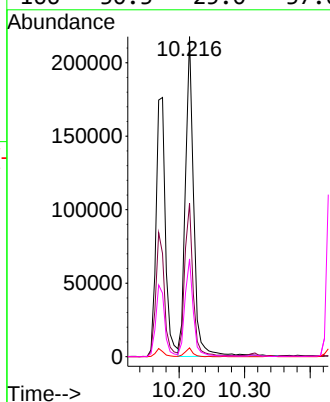
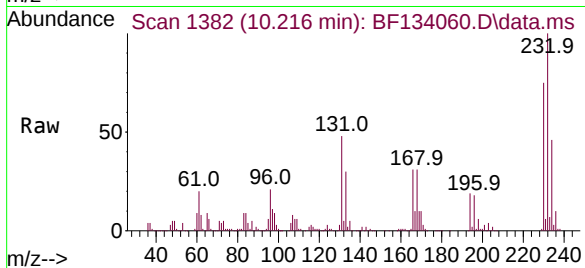
Ion Ratio Lower Upper

232 100

131 47.8 39.3 58.9

130 2.6 1.8 2.6

166 30.3 25.0 37.6



#60

Diethylphthalate

Concen: 51.501 ng

RT: 10.316 min Scan# 1399

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

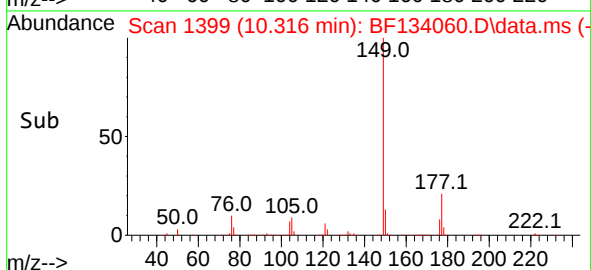
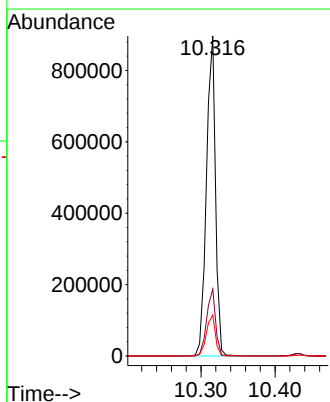
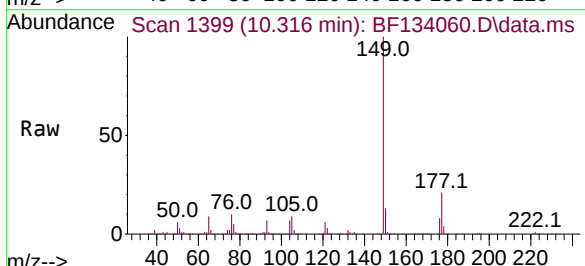
Tgt Ion:149 Resp: 763537

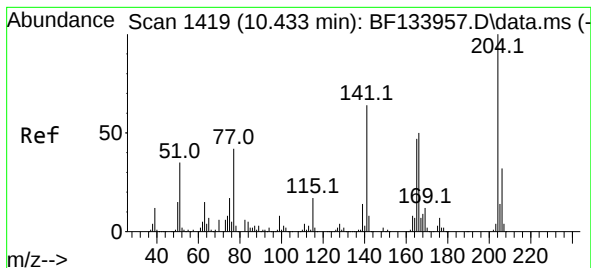
Ion Ratio Lower Upper

149 100

177 20.9 17.0 25.6

150 12.8 10.2 15.2

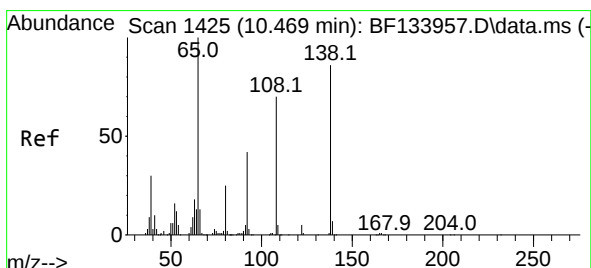
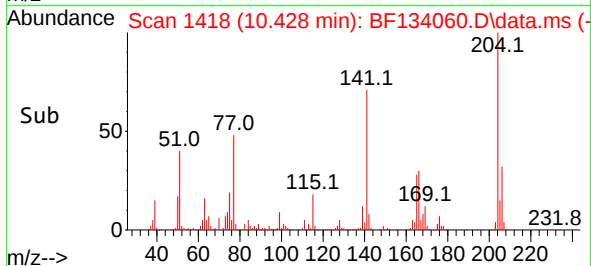
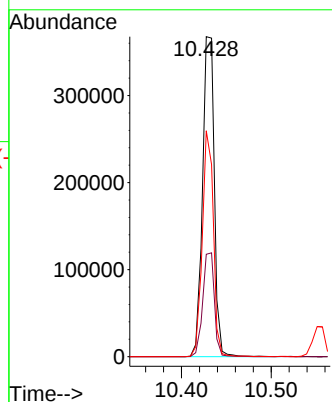
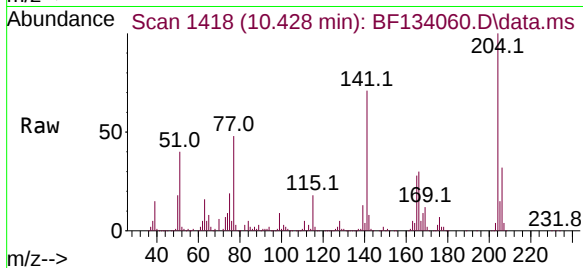




#61
4-Chlorophenyl-phenylether
Concen: 50.329 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

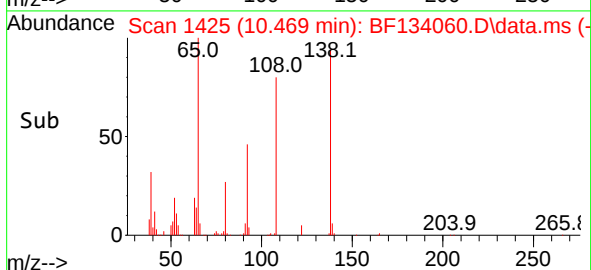
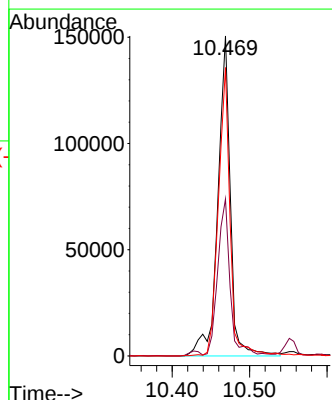
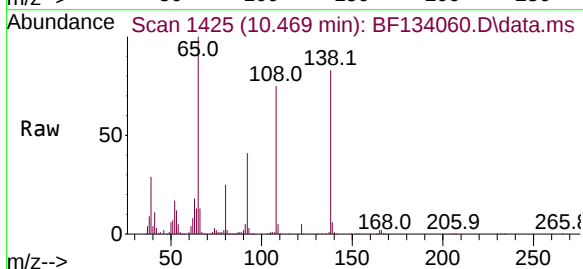
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

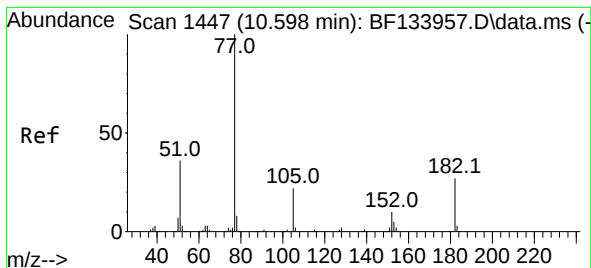
Tgt Ion:204 Resp: 336321
Ion Ratio Lower Upper
204 100
206 32.0 25.8 38.6
141 70.6 51.5 77.3



#62
4-Nitroaniline
Concen: 45.696 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:138 Resp: 169331
Ion Ratio Lower Upper
138 100
92 49.0 29.7 69.7
108 90.1 62.1 102.1





#63

Azobenzene

Concen: 50.369 ng

RT: 10.592 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

Tgt Ion: 77 Resp: 706361

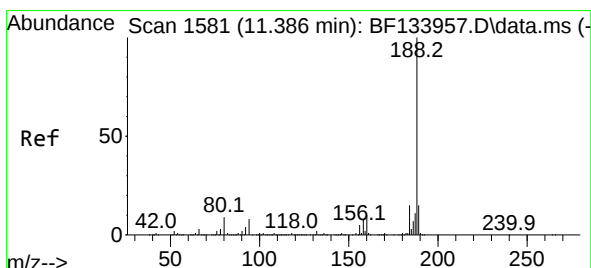
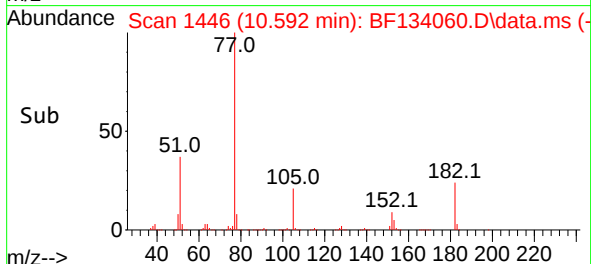
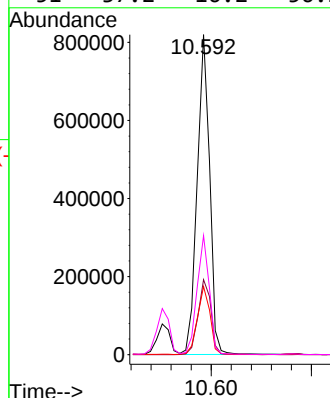
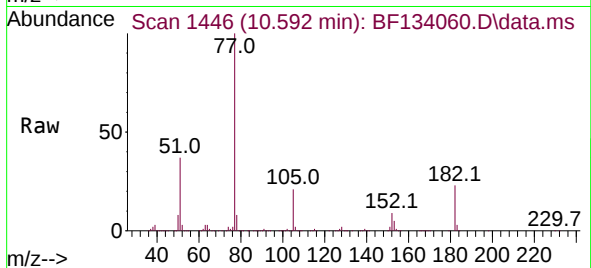
Ion Ratio Lower Upper

77 100

182 23.5 6.8 46.8

105 21.3 2.3 42.3

51 37.2 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

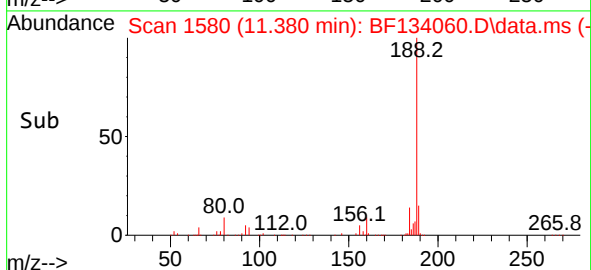
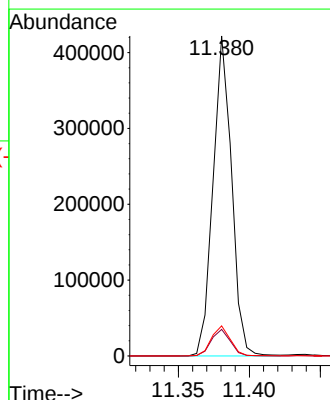
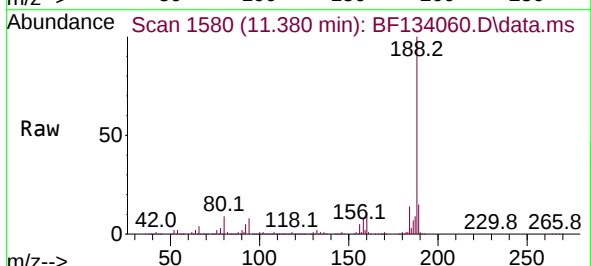
Tgt Ion: 188 Resp: 382675

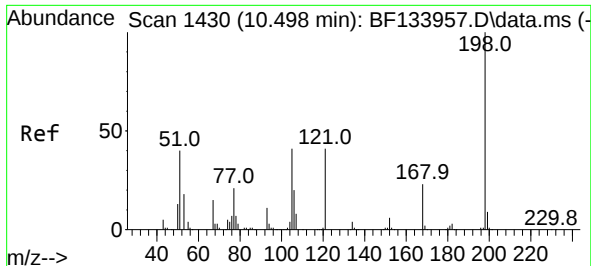
Ion Ratio Lower Upper

188 100

94 8.3 6.4 9.6

80 9.4 7.3 10.9

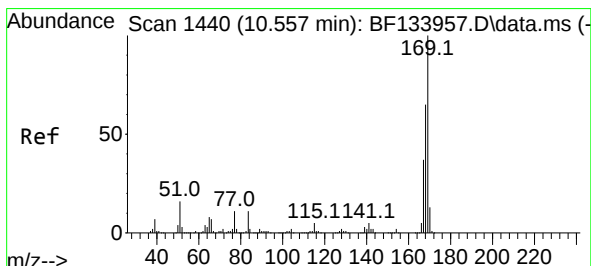
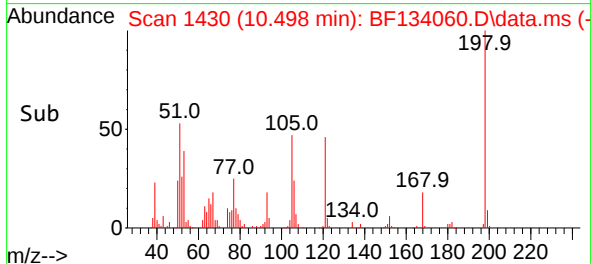
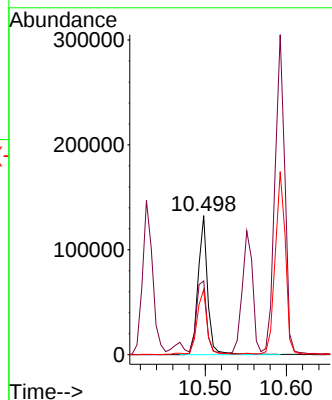
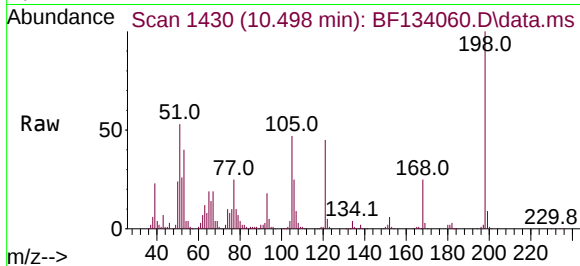




#65
4,6-Dinitro-2-methylphenol
Concen: 51.888 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

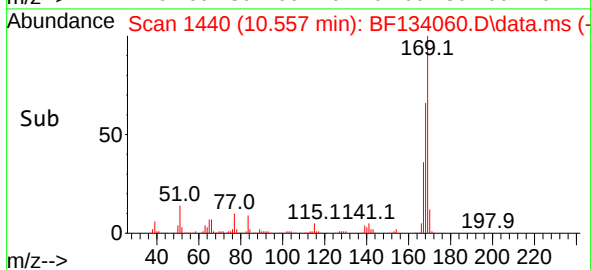
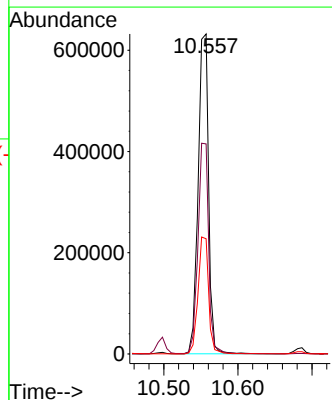
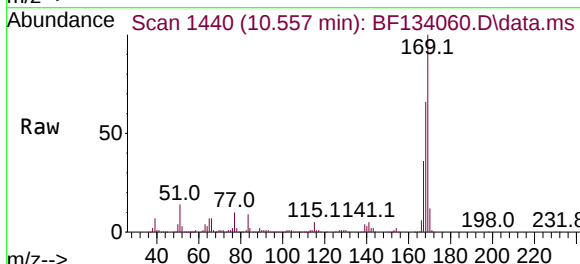
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

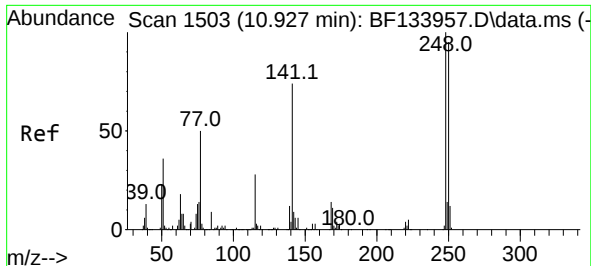
Tgt Ion:198 Resp: 108255
Ion Ratio Lower Upper
198 100
51 53.0 29.3 69.3
105 46.7 22.4 62.4



#66
n-Nitrosodiphenylamine
Concen: 50.378 ng
RT: 10.557 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:169 Resp: 615949
Ion Ratio Lower Upper
169 100
168 65.7 52.3 78.5
167 36.0 29.4 44.0

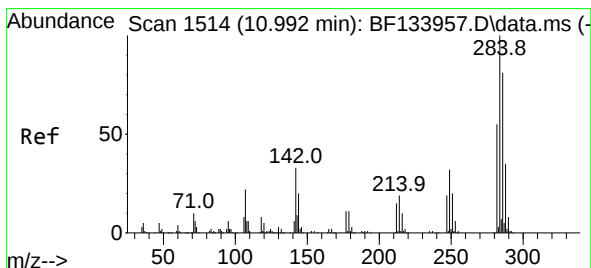
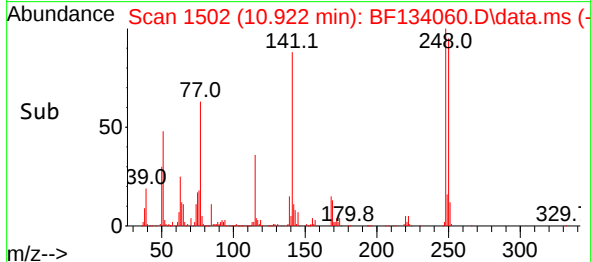
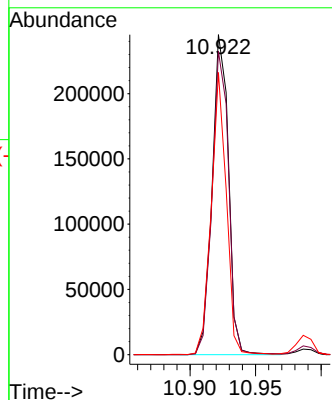
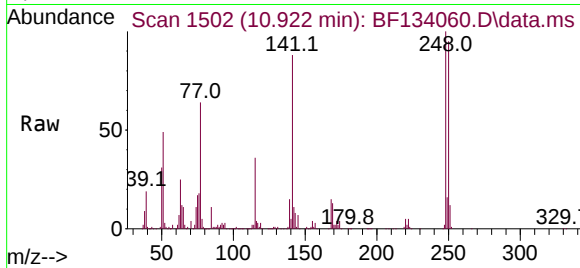




#67
4-Bromophenyl-phenylether
Concen: 52.439 ng
RT: 10.922 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

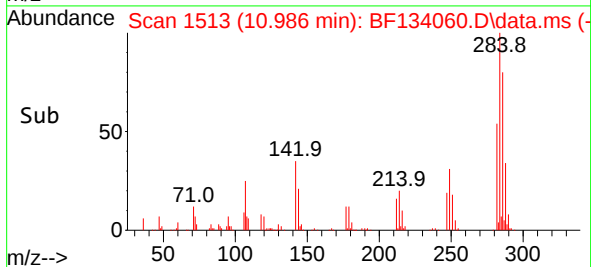
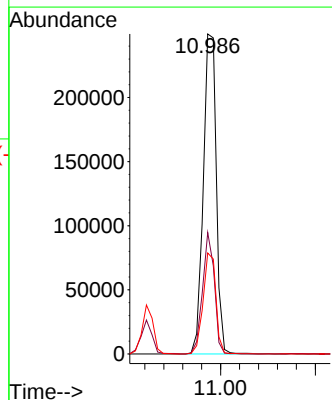
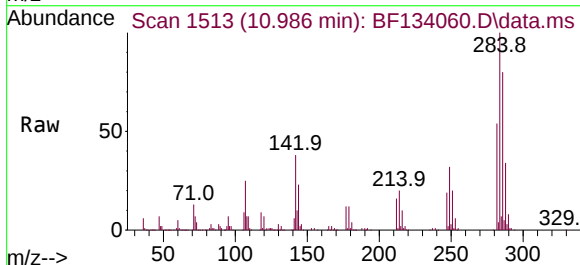
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

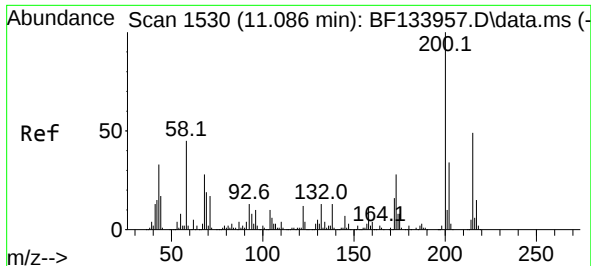
Tgt Ion:248 Resp: 213289
Ion Ratio Lower Upper
248 100
250 94.8 76.2 114.4
141 88.2 59.0 88.4



#68
Hexachlorobenzene
Concen: 54.943 ng
RT: 10.986 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:284 Resp: 237276
Ion Ratio Lower Upper
284 100
142 38.0 26.6 40.0
249 31.5 25.5 38.3

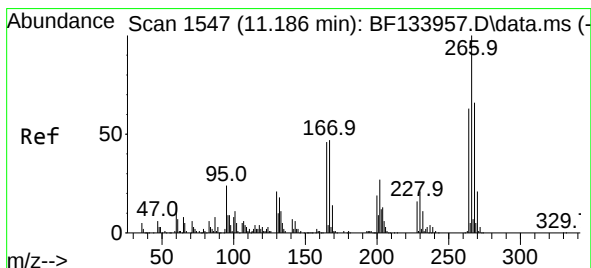
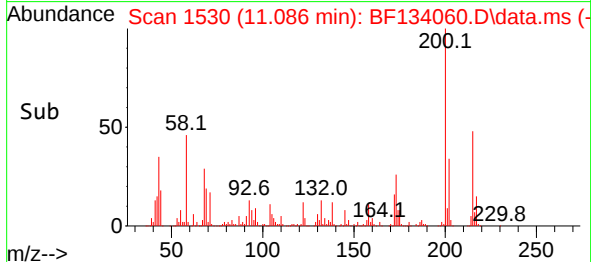
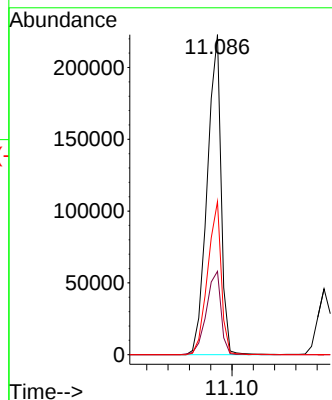
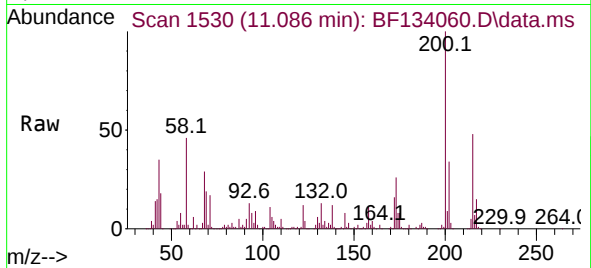




#69
 Atrazine
 Concen: 59.592 ng
 RT: 11.086 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF134060.D
 Acq: 30 Jun 2023 19:29

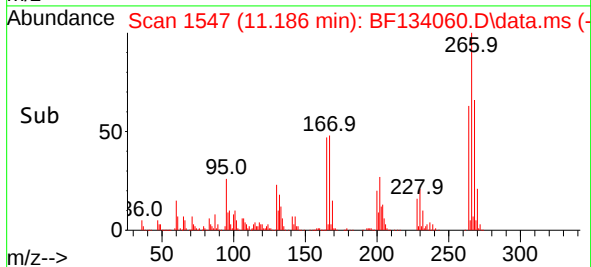
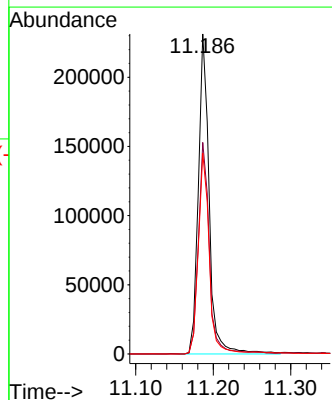
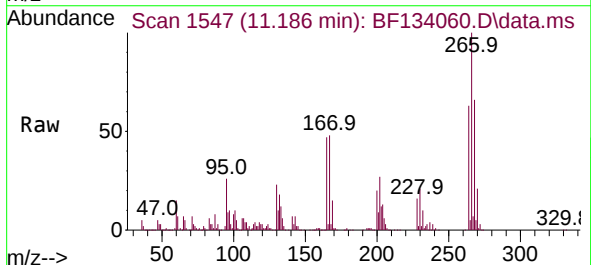
Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-1MSD

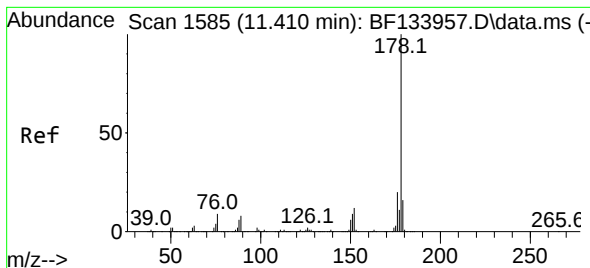
Tgt Ion:200 Resp: 201537
 Ion Ratio Lower Upper
 200 100
 173 26.1 8.0 48.0
 215 47.8 29.3 69.3



#70
 Pentachlorophenol
 Concen: 86.880 ng
 RT: 11.186 min Scan# 1547
 Delta R.T. -0.006 min
 Lab File: BF134060.D
 Acq: 30 Jun 2023 19:29

Tgt Ion:266 Resp: 224338
 Ion Ratio Lower Upper
 266 100
 268 66.1 52.6 79.0
 264 62.8 50.6 76.0





#71

Phenanthrene

Concen: 50.401 ng

RT: 11.410 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

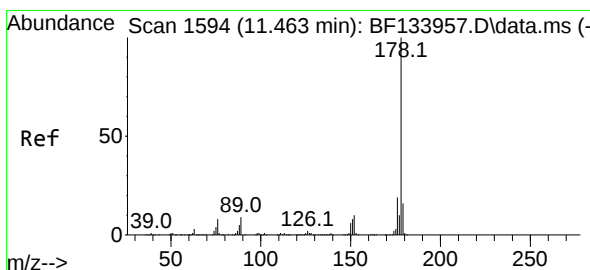
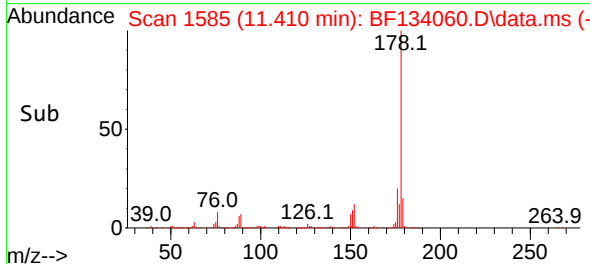
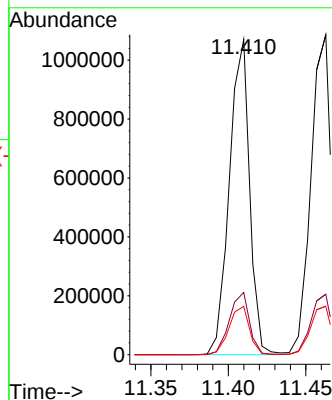
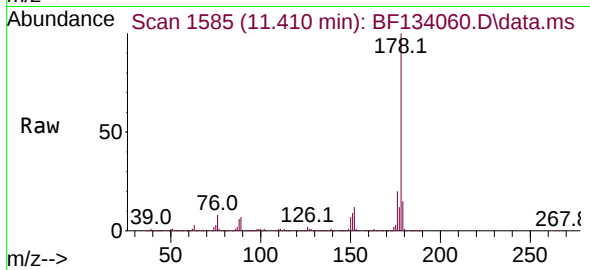
Tgt Ion:178 Resp: 970955

Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

179 15.3 12.4 18.6



#72

Anthracene

Concen: 50.437 ng

RT: 11.463 min Scan# 1594

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

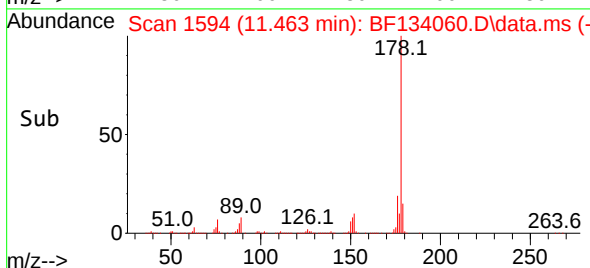
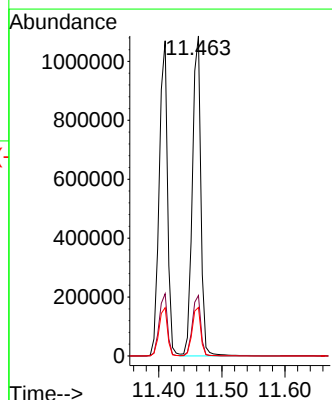
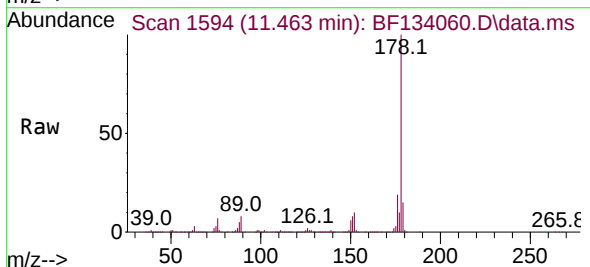
Tgt Ion:178 Resp: 1010618

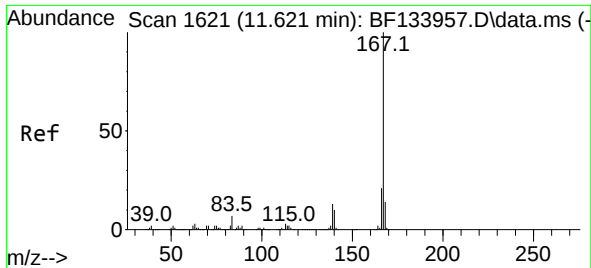
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.2 12.4 18.6

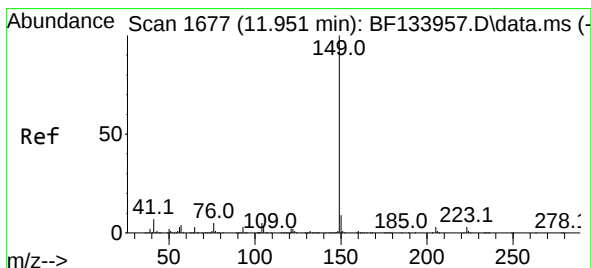
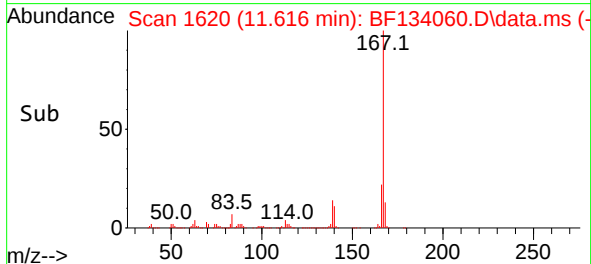
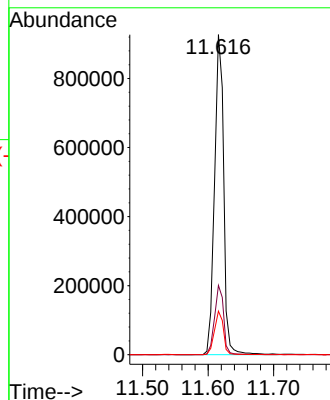
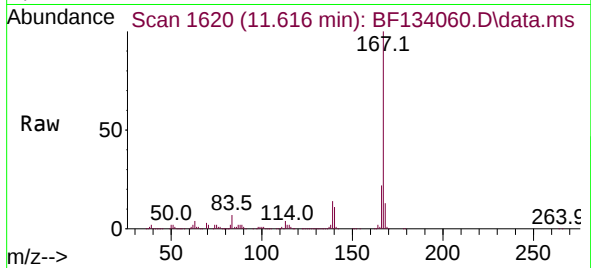




#73
Carbazole
Concen: 49.073 ng
RT: 11.616 min Scan# 1620
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

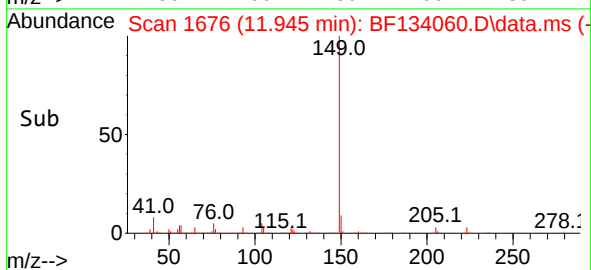
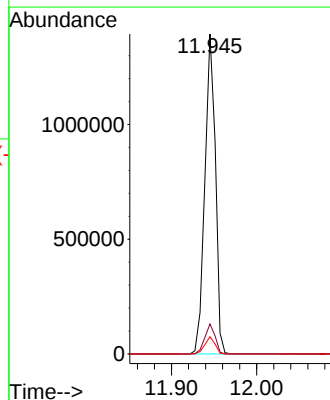
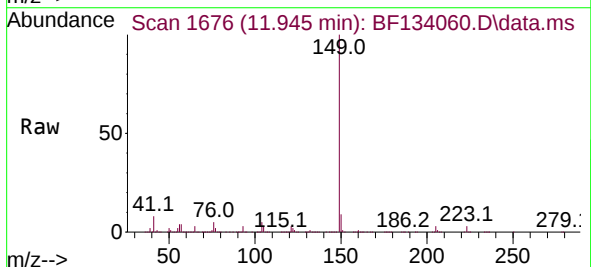
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

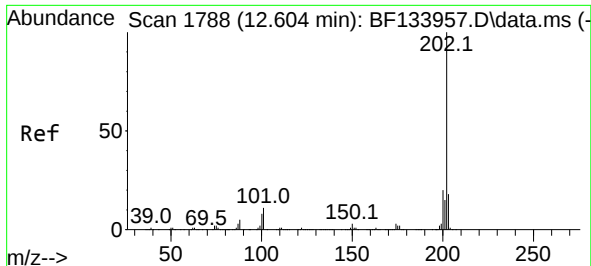
Tgt Ion:167 Resp: 900005
Ion Ratio Lower Upper
167 100
166 21.7 17.0 25.6
139 13.6 10.4 15.6



#74
Di-n-butylphthalate
Concen: 54.891 ng
RT: 11.945 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:149 Resp: 1197178
Ion Ratio Lower Upper
149 100
150 9.3 7.1 10.7
104 5.4 4.0 6.0

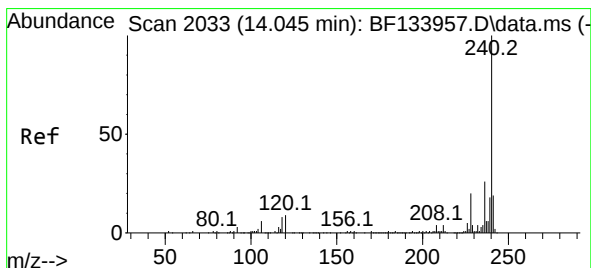
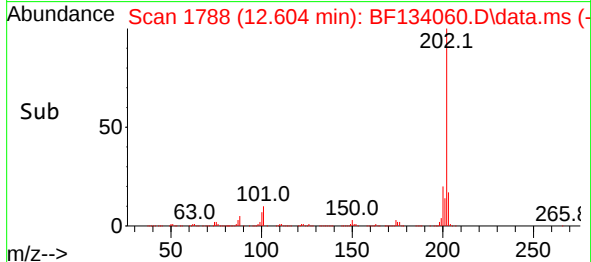
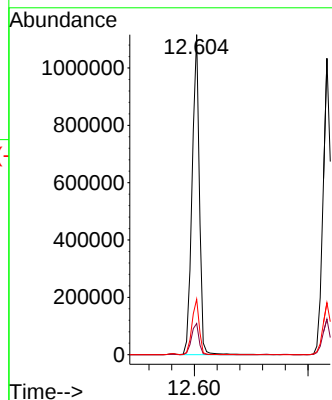
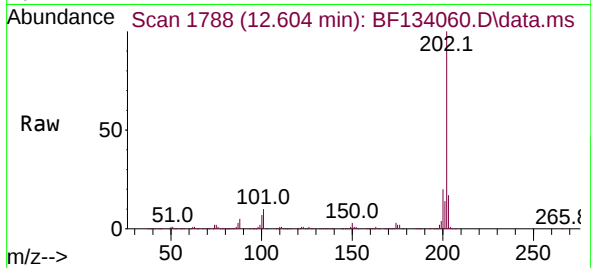




#75
Fluoranthene
Concen: 47.047 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

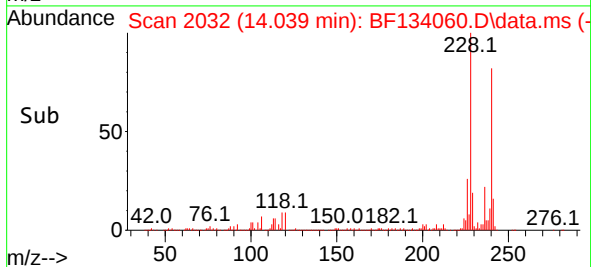
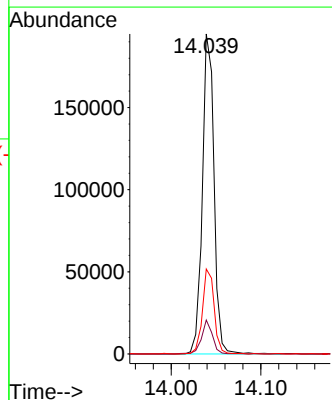
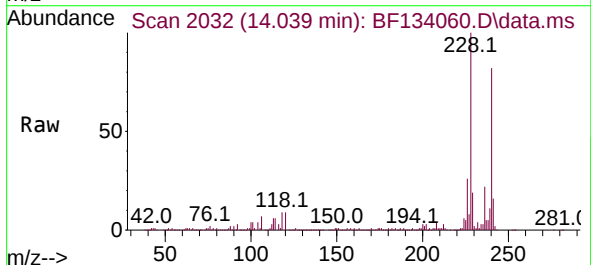
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

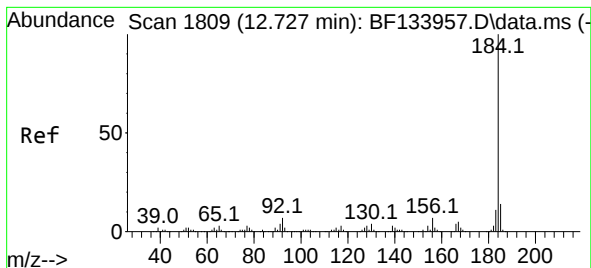
Tgt Ion:202 Resp: 979825
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.0
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:240 Resp: 175914
Ion Ratio Lower Upper
240 100
120 10.6 7.4 11.0
236 26.6 21.0 31.6





#77

Benzidine

Concen: 47.407 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

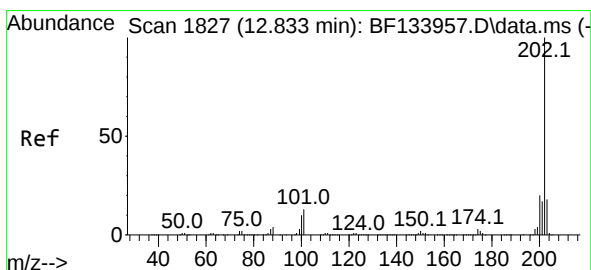
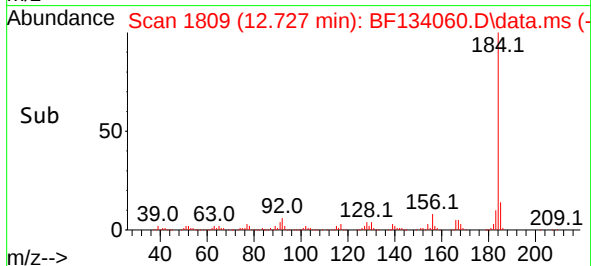
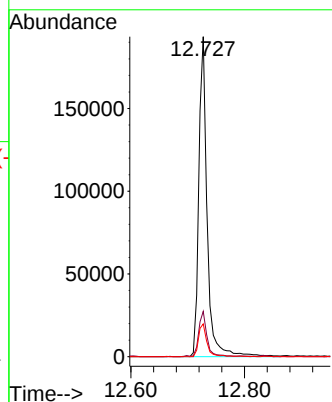
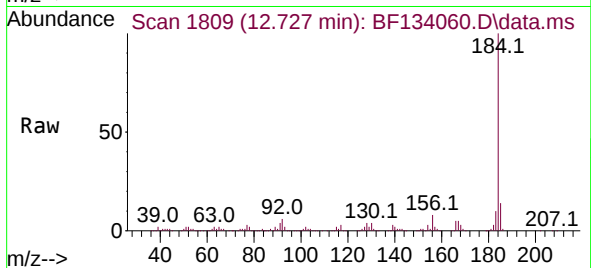
Tgt Ion:184 Resp: 198435

Ion Ratio Lower Upper

184 100

185 14.2 11.6 17.4

183 10.2 8.8 13.2



#78

Pyrene

Concen: 57.977 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

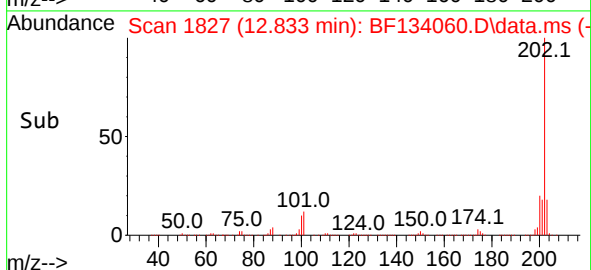
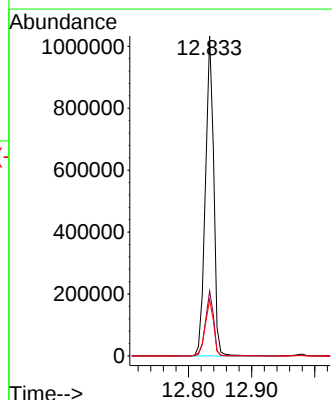
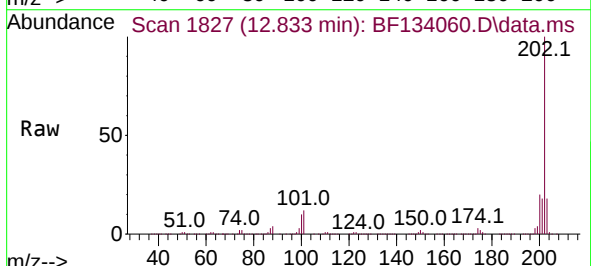
Tgt Ion:202 Resp: 949154

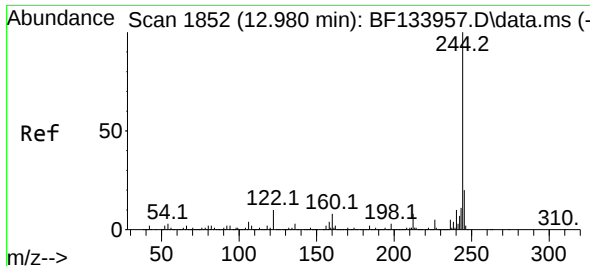
Ion Ratio Lower Upper

202 100

200 20.3 16.1 24.1

203 17.6 14.3 21.5

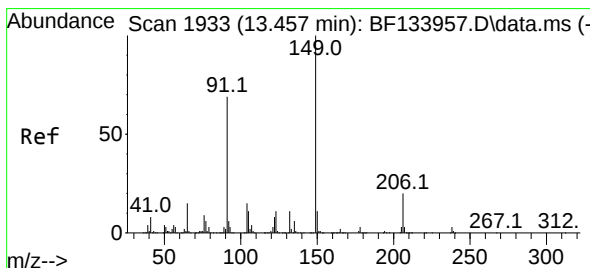
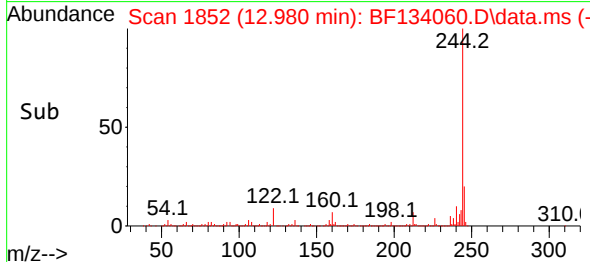
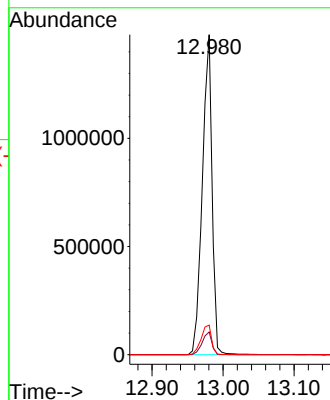
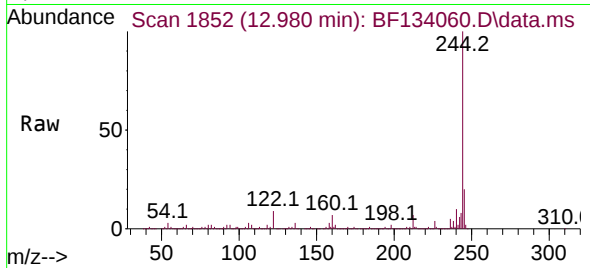




#79
 Terphenyl-d14
 Concen: 129.157 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF134060.D
 Acq: 30 Jun 2023 19:29

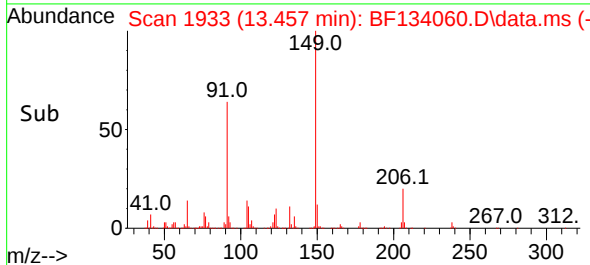
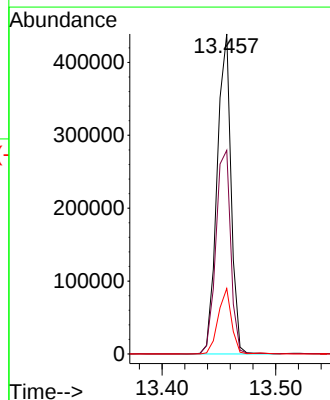
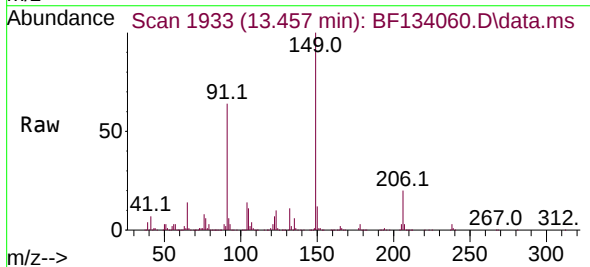
Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-1MSD

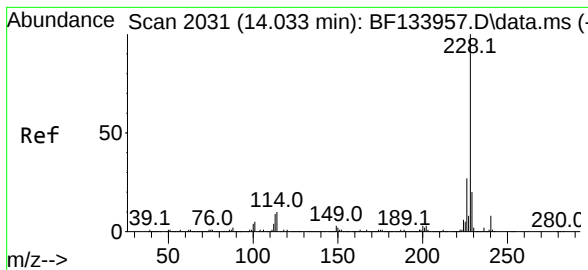
Tgt Ion:244 Resp: 1411722
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.3 8.3 12.5



#80
 Butylbenzylphthalate
 Concen: 61.105 ng
 RT: 13.457 min Scan# 1933
 Delta R.T. 0.000 min
 Lab File: BF134060.D
 Acq: 30 Jun 2023 19:29

Tgt Ion:149 Resp: 375181
 Ion Ratio Lower Upper
 149 100
 91 63.6 55.1 82.7
 206 20.4 15.7 23.5

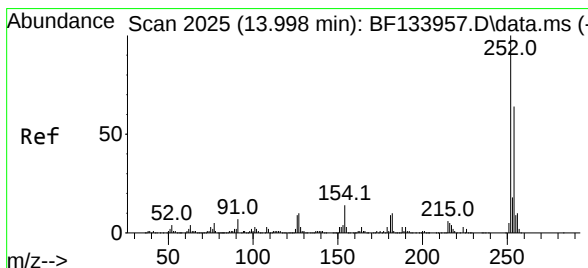
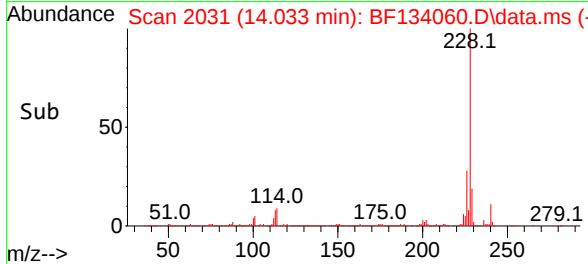
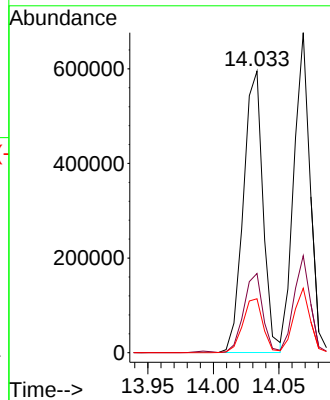
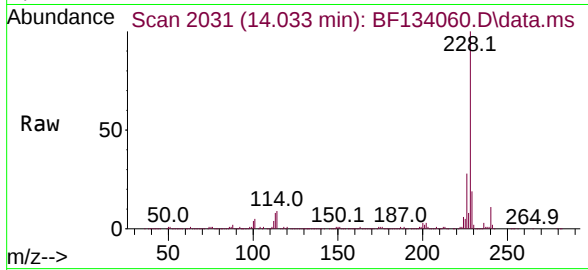




#81
Benzo(a)anthracene
Concen: 50.941 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

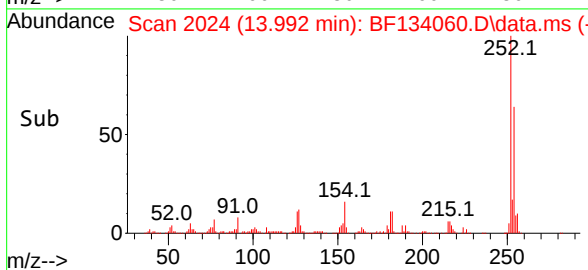
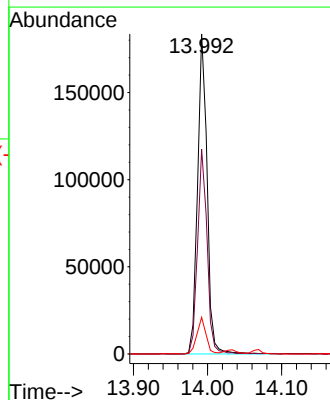
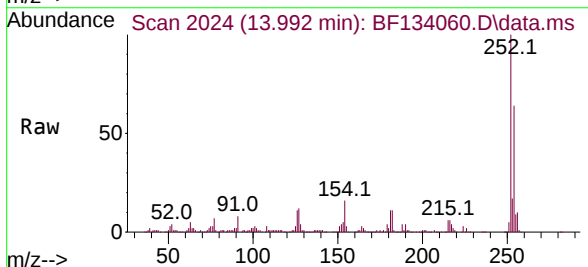
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

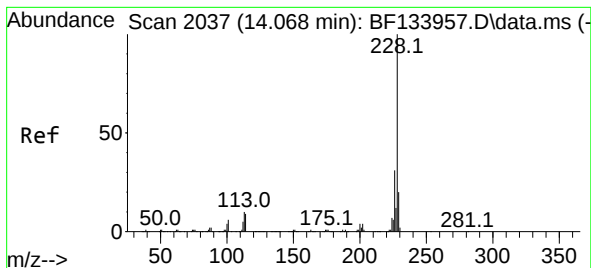
Tgt Ion:	228	Resp:	621482
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.0	33.0
229	19.2	16.3	24.5



#82
3,3'-Dichlorobenzidine
Concen: 42.348 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:	252	Resp:	163682
Ion Ratio	Lower	Upper	
252	100		
254	64.0	51.4	77.0
126	11.5	7.4	11.2





#83

Chrysene

Concen: 49.655 ng

RT: 14.069 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

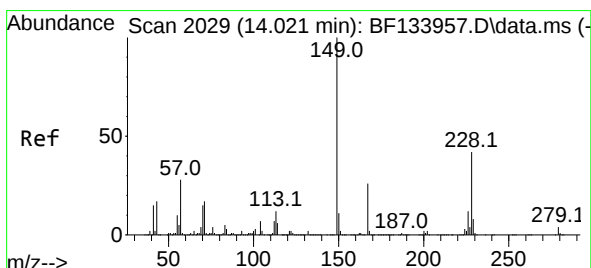
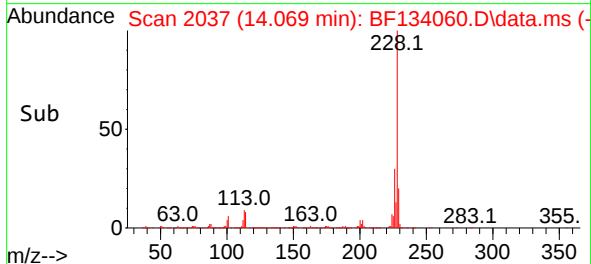
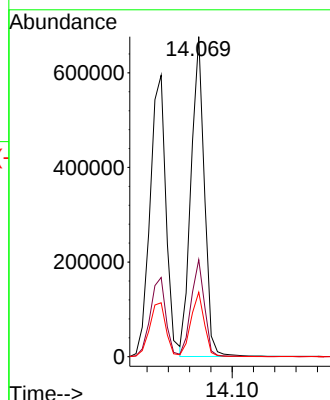
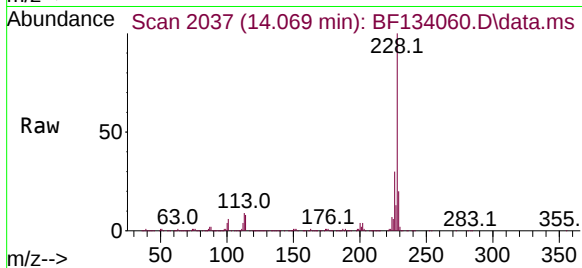
Tgt Ion:228 Resp: 586745

Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 20.2 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 64.830 ng

RT: 14.016 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

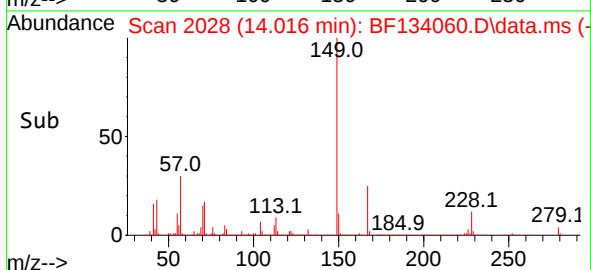
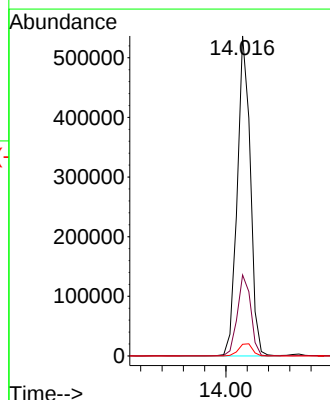
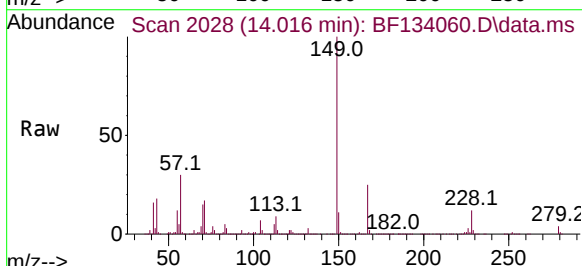
Tgt Ion:149 Resp: 457387

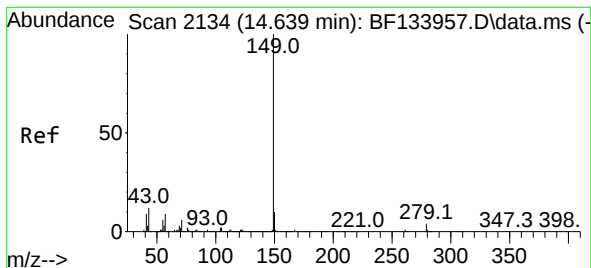
Ion Ratio Lower Upper

149 100

167 25.3 21.0 31.4

279 3.7 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 67.357 ng

RT: 14.639 min Scan# 2134

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

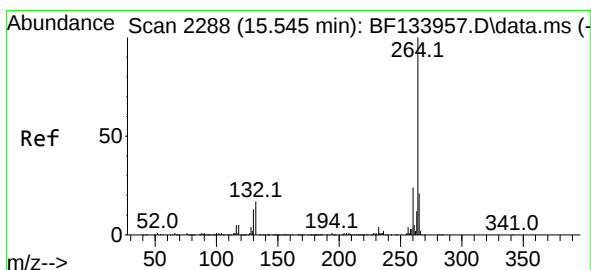
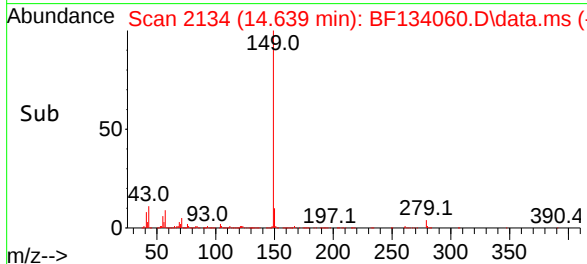
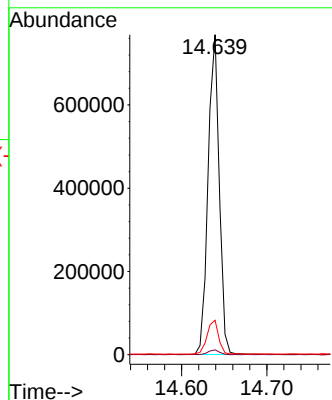
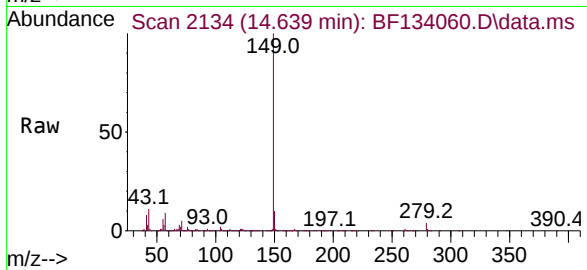
Tgt Ion:149 Resp: 698266

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 10.9 9.0 13.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

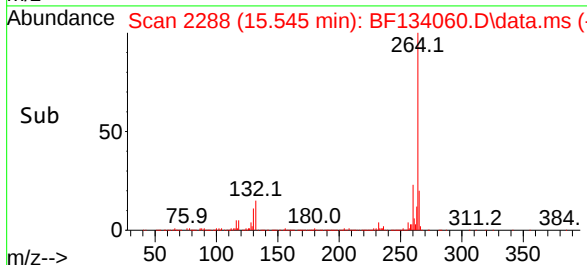
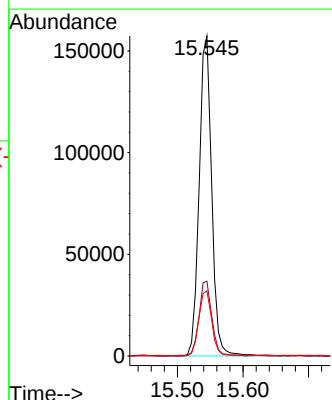
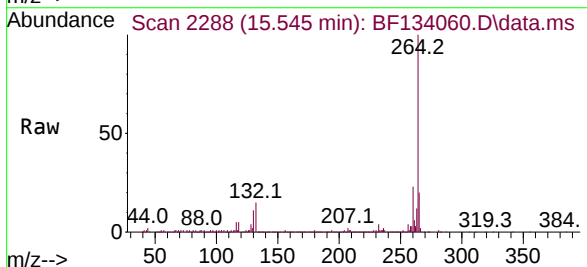
Tgt Ion:264 Resp: 209534

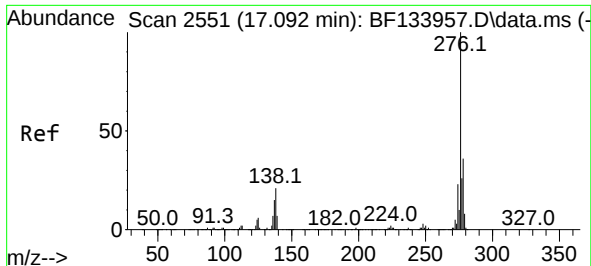
Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

265 20.3 16.6 25.0

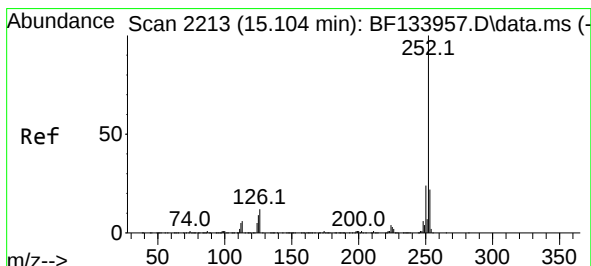
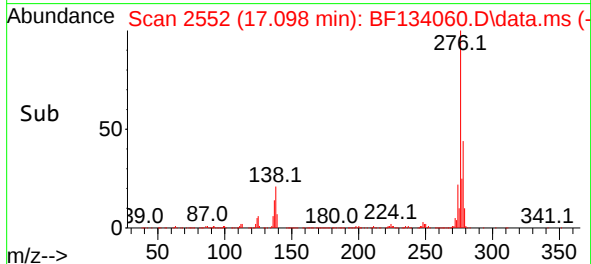
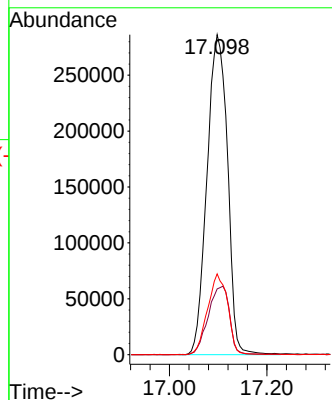
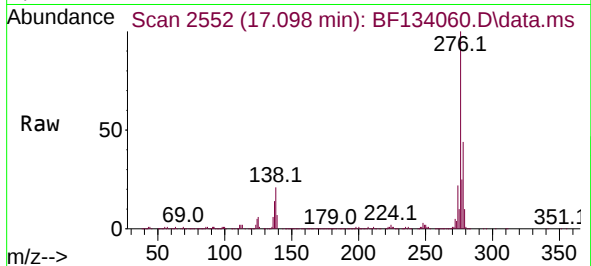




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 57.552 ng
 RT: 17.098 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF134060.D
 Acq: 30 Jun 2023 19:29

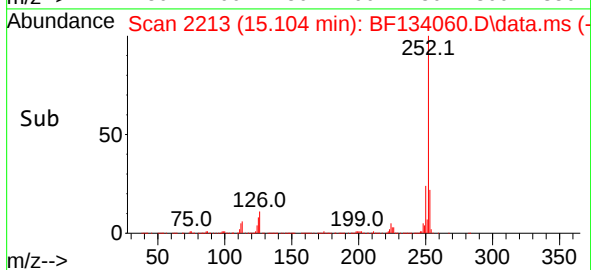
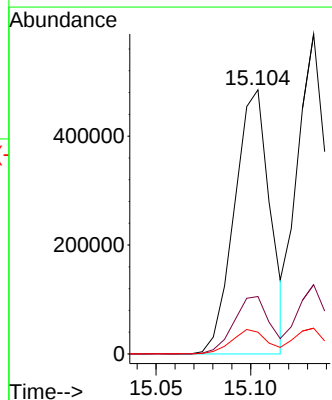
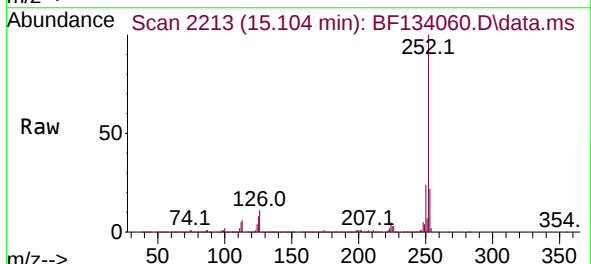
Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-1MSD

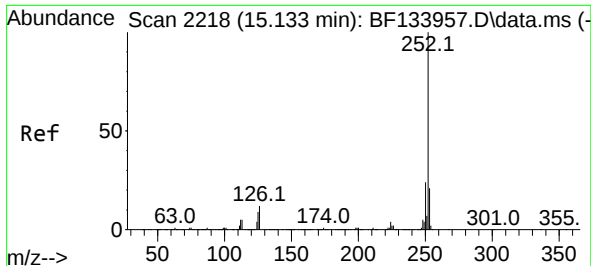
Tgt Ion:276 Resp: 836783
 Ion Ratio Lower Upper
 276 100
 138 22.3 18.7 28.1
 277 24.9 19.9 29.9



#88
 Benzo(b)fluoranthene
 Concen: 51.610 ng
 RT: 15.104 min Scan# 2213
 Delta R.T. -0.006 min
 Lab File: BF134060.D
 Acq: 30 Jun 2023 19:29

Tgt Ion:252 Resp: 635880
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.4 26.0
 125 8.2 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 50.084 ng

RT: 15.133 min Scan# 2218

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

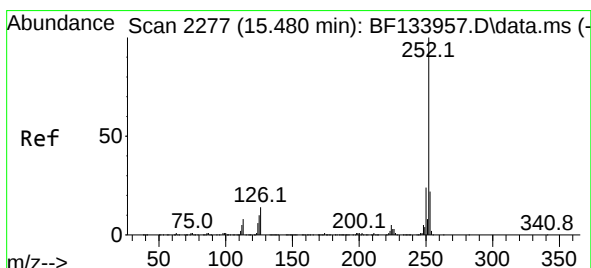
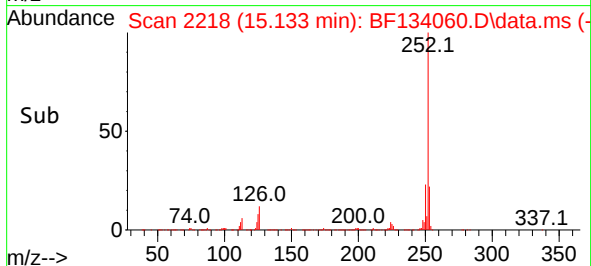
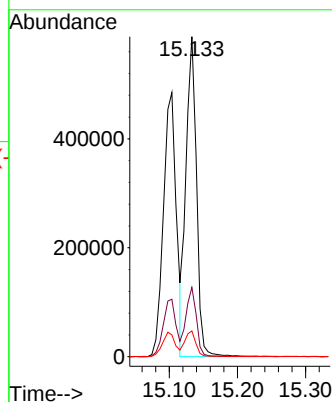
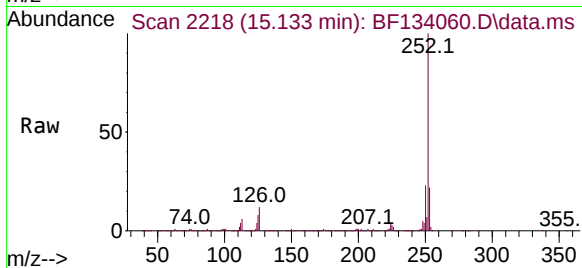
Tgt Ion:252 Resp: 628281

Ion Ratio Lower Upper

252 100

253 21.7 16.9 25.3

125 8.1 7.4 11.2



#90

Benzo(a)pyrene

Concen: 48.989 ng

RT: 15.480 min Scan# 2277

Delta R.T. -0.012 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

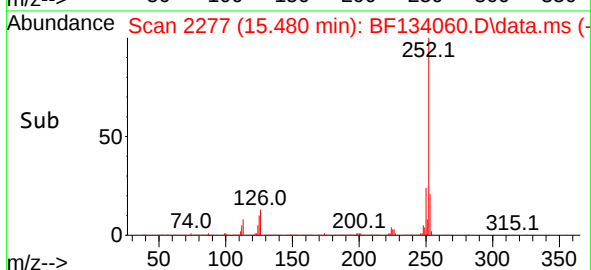
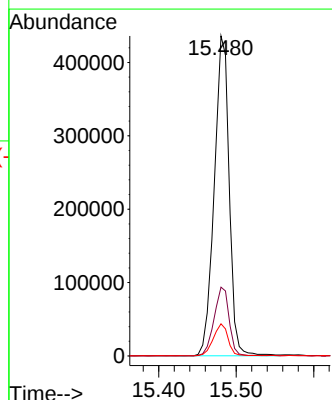
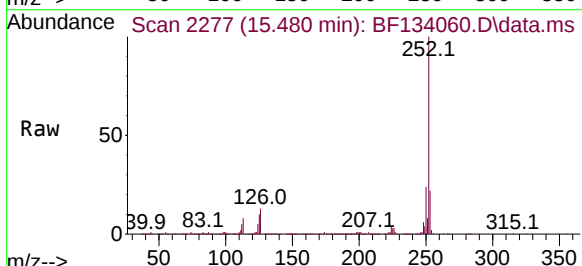
Tgt Ion:252 Resp: 583661

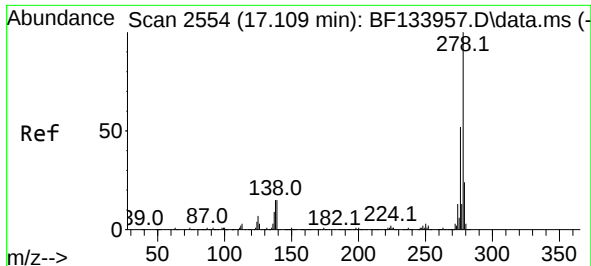
Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

125 10.1 8.4 12.6

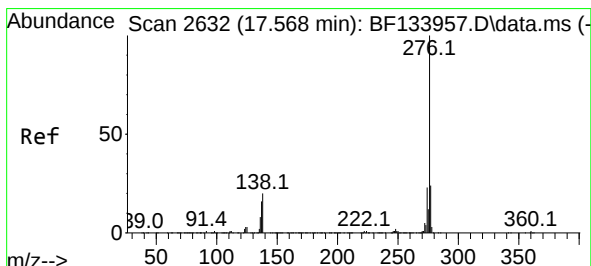
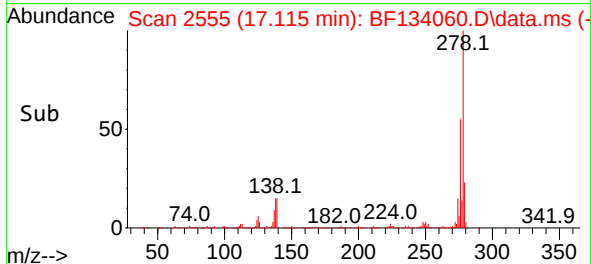
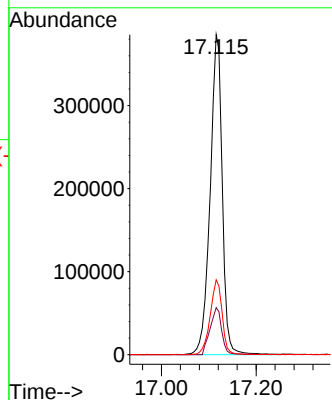
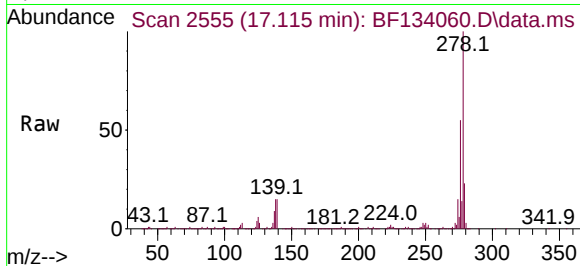




#91
Dibenzo(a,h)anthracene
Concen: 57.806 ng
RT: 17.115 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

Tgt Ion:278 Resp: 686496
Ion Ratio Lower Upper
278 100
139 14.7 12.2 18.4
279 23.4 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 54.393 ng
RT: 17.574 min Scan# 2633
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:276 Resp: 666143
Ion Ratio Lower Upper
276 100
277 23.3 19.0 28.6
138 19.0 16.2 24.2

