

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081523\
 Data File : BM041414.D
 Acq On : 15 Aug 2023 20:11
 Operator : MA/JU
 Sample : 03985-02MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Aug 16 01:13:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 17:51:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	172932	20.000	ng	-0.01
21) Naphthalene-d8	10.569	136	659057	20.000	ng	-0.01
39) Acenaphthene-d10	14.427	164	391020	20.000	ng	-0.01
64) Phenanthrene-d10	17.186	188	792731	20.000	ng	#-0.02
76) Chrysene-d12	21.397	240	737628	20.000	ng	#-0.02
86) Perylene-d12	23.756	264	862637	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1094372	94.582	ng	0.00
7) Phenol-d6	6.951	99	1299847	86.667	ng	0.00
23) Nitrobenzene-d5	8.945	82	976756	68.922	ng	0.00
42) 2,4,6-Tribromophenol	15.933	330	623794	112.786	ng	-0.01
45) 2-Fluorobiphenyl	13.045	172	2147340	69.373	ng	-0.01
79) Terphenyl-d14	19.827	244	3088057	75.694	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.257	88	133686	27.009	ng	# 45
3) Pyridine	3.663	79	313782	24.110	ng	94
4) n-Nitrosodimethylamine	3.575	42	183822	30.539	ng	98
6) Aniline	7.104	93	297583	16.954	ng	99
8) 2-Chlorophenol	7.334	128	415344	36.770	ng	98
9) Benzaldehyde	6.916	77	158218	19.992	ng	99
10) Phenol	6.981	94	475117	32.799	ng	95
11) bis(2-Chloroethyl)ether	7.204	93	406744	34.688	ng	96
12) 1,3-Dichlorobenzene	7.651	146	452500	36.802	ng	99
13) 1,4-Dichlorobenzene	7.798	146	459874	37.211	ng	99
14) 1,2-Dichlorobenzene	8.116	146	442624	37.353	ng	98
15) Benzyl Alcohol	8.028	79	403598	42.611	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.304	45	466654	29.869	ng	92
17) 2-Methylphenol	8.228	107	341579	34.515	ng	97
18) Hexachloroethane	8.828	117	171122	37.192	ng	90
19) n-Nitroso-di-n-propyla...	8.586	70	341901	37.531	ng	96
20) 3+4-Methylphenols	8.563	107	457841	34.600	ng	96
22) Acetophenone	8.604	105	640639	36.703	ng	99
24) Nitrobenzene	8.986	77	507924	35.441	ng	99
25) Isophorone	9.510	82	914253	38.004	ng	98
26) 2-Nitrophenol	9.692	139	226918	40.502	ng	95
27) 2,4-Dimethylphenol	9.757	122	350523	35.555	ng	98
28) bis(2-Chloroethoxy)met...	9.992	93	540027	35.836	ng	100
29) 2,4-Dichlorophenol	10.228	162	409991	41.238	ng	98
30) 1,2,4-Trichlorobenzene	10.433	180	456607	41.569	ng	99
31) Naphthalene	10.616	128	1248370	34.906	ng	99
32) Benzoic acid	9.951	122	261461	37.203	ng	95
33) 4-Chloroaniline	10.763	127	63772	4.462	ng	98
34) Hexachlorobutadiene	10.886	225	298682	45.211	ng	99
35) Caprolactam	11.574	113	56692	19.712	ng	# 86
36) 4-Chloro-3-methylphenol	11.892	107	404260	38.633	ng	97
37) 2-Methylnaphthalene	12.239	142	857180	35.551	ng	99
38) 1-Methylnaphthalene	12.457	142	813701	36.057	ng	99
40) 1,2,4,5-Tetrachloroben...	12.610	216	511131	40.257	ng	# 97
41) Hexachlorocyclopentadiene	12.569	237	365689	54.440	ng	98
43) 2,4,6-Trichlorophenol	12.863	196	339564	41.726	ng	99

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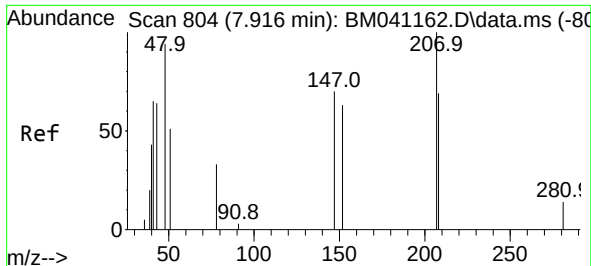
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.939	196	359155	38.131	ng	96
46) 1,1'-Biphenyl	13.257	154	1147022	36.184	ng	98
47) 2-Chloronaphthalene	13.298	162	900951	38.064	ng	99
48) 2-Nitroaniline	13.527	65	271552	35.942	ng	99
49) Acenaphthylene	14.151	152	1417643	37.107	ng	99
50) Dimethylphthalate	13.904	163	1135446	38.603	ng	99
51) 2,6-Dinitrotoluene	14.033	165	242505	39.791	ng	95
52) Acenaphthene	14.492	154	814975	35.411	ng	99
53) 3-Nitroaniline	14.363	138	117035	18.282	ng	97
54) 2,4-Dinitrophenol	14.586	184	180798	46.561	ng	89
55) Dibenzofuran	14.833	168	1347960	35.898	ng	100
56) 4-Nitrophenol	14.686	139	330275	65.025	ng	94
57) 2,4-Dinitrotoluene	14.827	165	328342	38.298	ng	93
58) Fluorene	15.486	166	1080808	36.486	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.063	232	309772	40.614	ng	95
60) Diethylphthalate	15.262	149	1087152	38.221	ng	99
61) 4-Chlorophenyl-phenyle...	15.480	204	584475	39.374	ng	96
62) 4-Nitroaniline	15.539	138	189784	30.822	ng	93
63) Azobenzene	15.774	77	1081214	34.702	ng	97
65) 4,6-Dinitro-2-methylph...	15.592	198	140547	29.266	ng	87
66) n-Nitrosodiphenylamine	15.704	169	907379	36.804	ng	99
67) 4-Bromophenyl-phenylether	16.374	248	351977	40.496	ng	97
68) Hexachlorobenzene	16.486	284	403644	41.764	ng	96
69) Atrazine	16.662	200	337665	52.152	ng	99
70) Pentachlorophenol	16.839	266	454888	67.970	ng	99
71) Phenanthrene	17.233	178	1595061	36.215	ng	100
72) Anthracene	17.321	178	1606263	36.874	ng	100
73) Carbazole	17.604	167	1440134	36.527	ng	100
74) Di-n-butylphthalate	18.162	149	1820329	40.858	ng	100
75) Fluoranthene	19.256	202	1850816	37.403	ng	98
77) Benzidine	19.456	184	592743	58.957	ng	100
78) Pyrene	19.621	202	1921522	37.251	ng	99
80) Butylbenzylphthalate	20.527	149	773773	41.077	ng	98
81) Benzo(a)anthracene	21.380	228	1926830	38.533	ng	99
82) 3,3'-Dichlorobenzidine	21.321	252	453683	27.804	ng	# 99
83) Chrysene	21.433	228	1773966	36.677	ng	99
84) Bis(2-ethylhexyl)phtha...	21.297	149	1158430	39.215	ng	97
85) Di-n-octyl phthalate	22.215	149	1911291	40.146	ng	# 95
87) Indeno(1,2,3-cd)pyrene	26.203	276	2386046	37.622	ng	# 94
88) Benzo(b)fluoranthene	23.038	252	1993013	38.891	ng	# 98
89) Benzo(k)fluoranthene	23.086	252	1889955	36.054	ng	98
90) Benzo(a)pyrene	23.650	252	1758266	35.708	ng	# 97
91) Dibenzo(a,h)anthracene	26.215	278	2011297	38.021	ng	# 96
92) Benzo(g,h,i)perylene	26.950	276	1915707	37.010	ng	# 95

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

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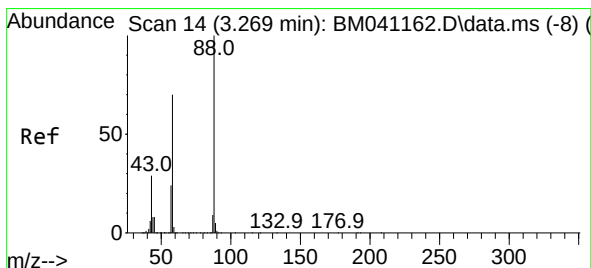
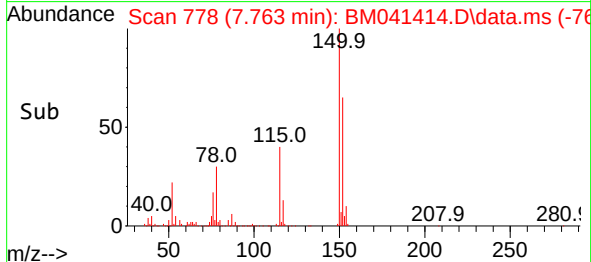
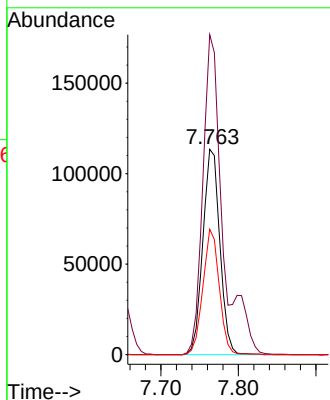
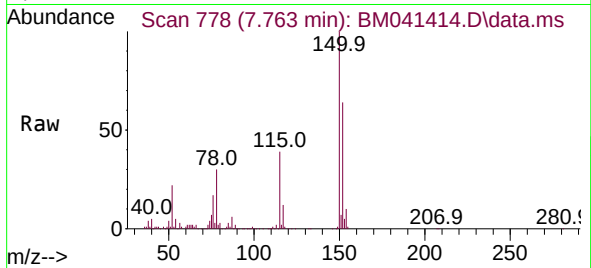




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.763 min Scan# 71
 Delta R.T. -0.012 min
 Lab File: BM041414.D
 Acq: 15 Aug 2023 20:11

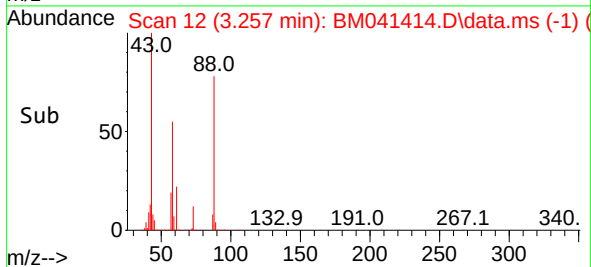
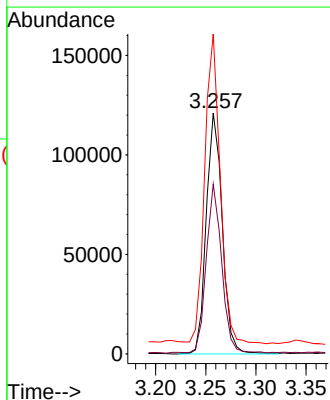
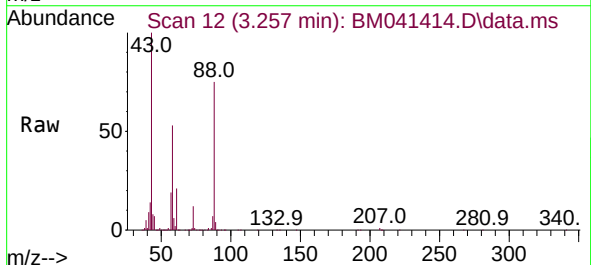
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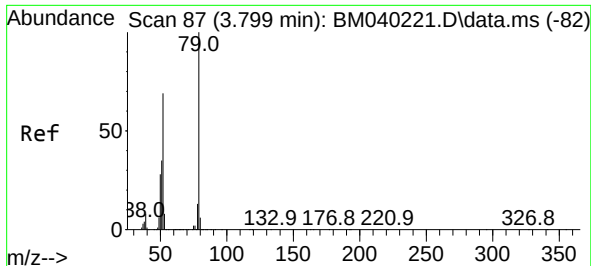
Tgt Ion:152 Resp: 172932
 Ion Ratio Lower Upper
 152 100
 150 155.9 125.5 188.3
 115 61.0 48.0 72.0



#2
 1,4-Dioxane
 Concen: 27.009 ng
 RT: 3.257 min Scan# 12
 Delta R.T. 0.012 min
 Lab File: BM041414.D
 Acq: 15 Aug 2023 20:11

Tgt Ion: 88 Resp: 133686
 Ion Ratio Lower Upper
 88 100
 58 68.2 58.2 87.4
 43 124.9 24.4 36.6#





#3

Pyridine

Concen: 24.110 ng

RT: 3.663 min Scan# 81

Delta R.T. 0.012 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD

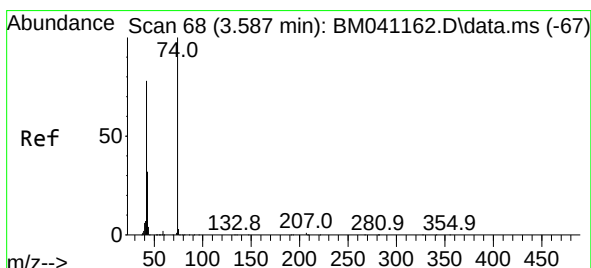
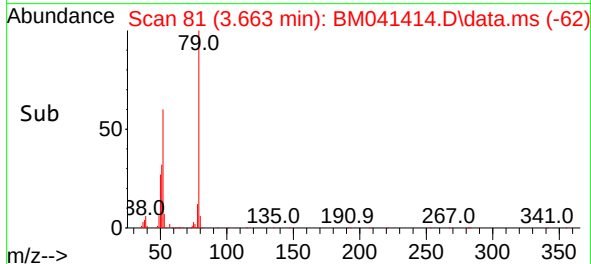
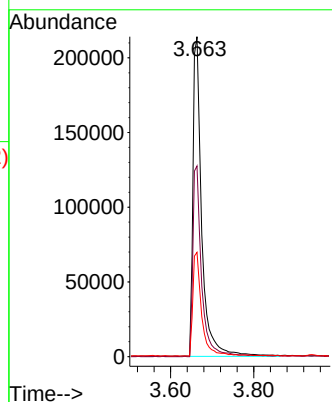
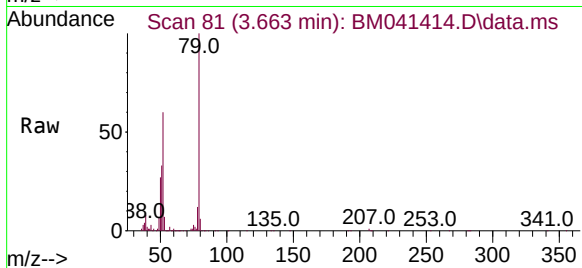
Tgt Ion: 79 Resp: 313782

Ion Ratio Lower Upper

79 100

52 59.6 52.1 78.1

51 32.6 27.5 41.3



#4

n-Nitrosodimethylamine

Concen: 30.539 ng

RT: 3.575 min Scan# 66

Delta R.T. 0.006 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

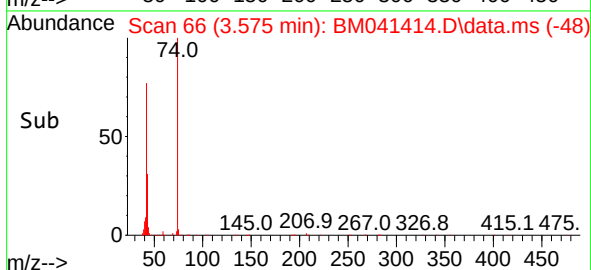
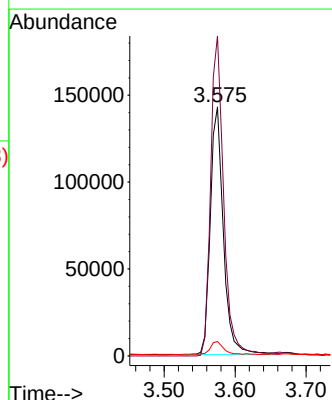
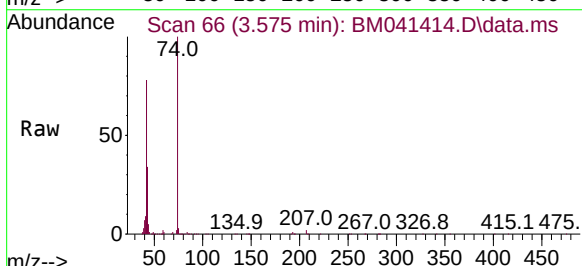
Tgt Ion: 42 Resp: 183822

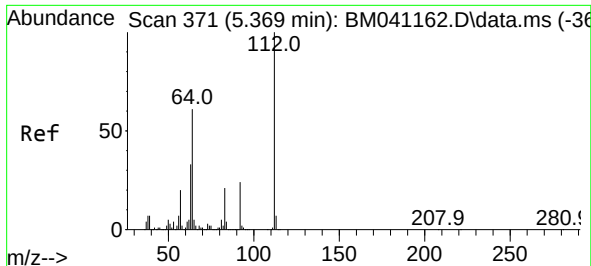
Ion Ratio Lower Upper

42 100

74 128.5 100.8 151.2

44 5.8 5.0 7.4

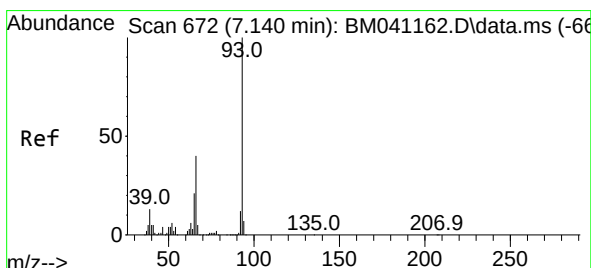
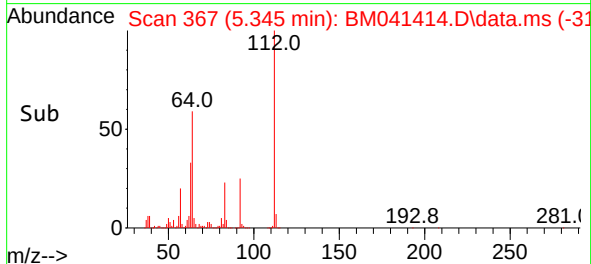
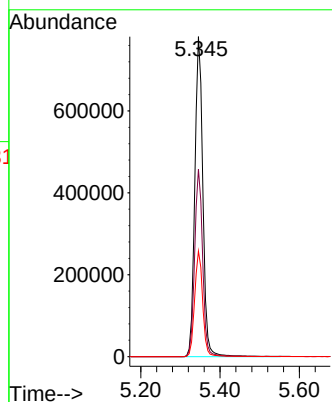
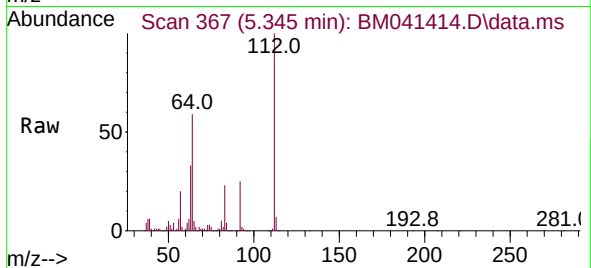




#5
2-Fluorophenol
Concen: 94.582 ng
RT: 5.345 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

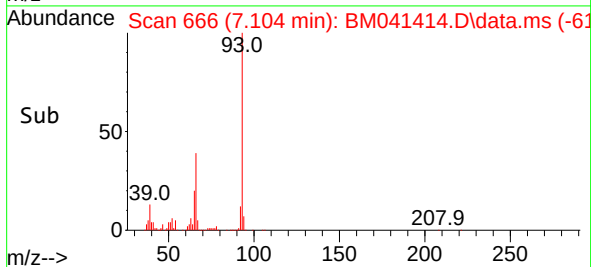
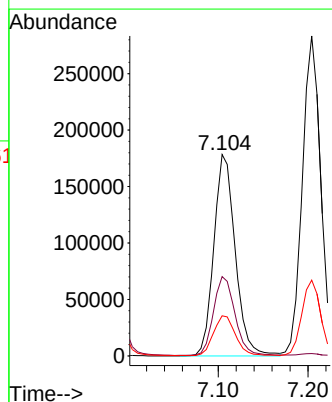
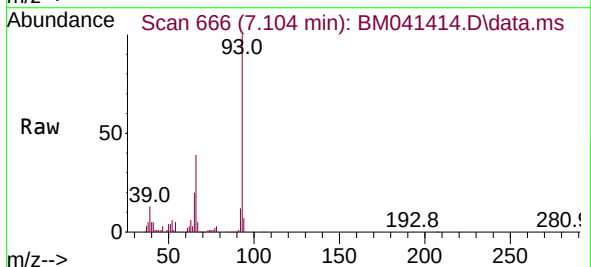
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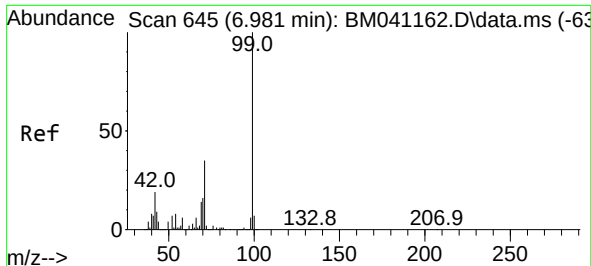
Tgt Ion:112 Resp: 1094372
Ion Ratio Lower Upper
112 100
64 58.6 48.5 72.7
63 33.0 26.5 39.7



#6
Aniline
Concen: 16.954 ng
RT: 7.104 min Scan# 666
Delta R.T. -0.006 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion: 93 Resp: 297583
Ion Ratio Lower Upper
93 100
66 39.4 32.0 48.0
65 19.9 16.6 24.8

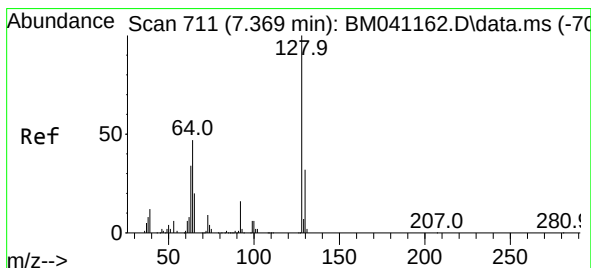
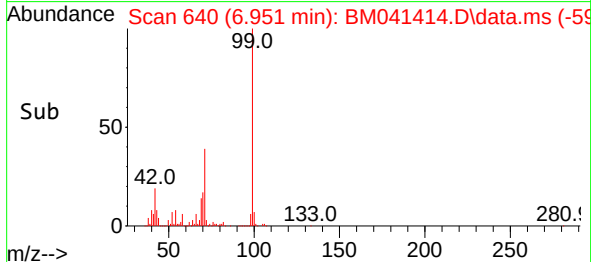
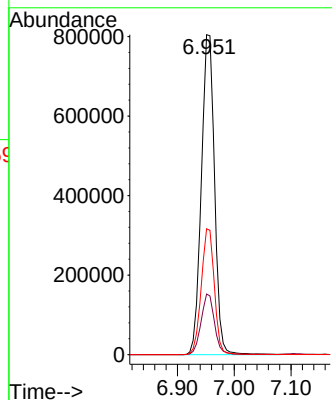
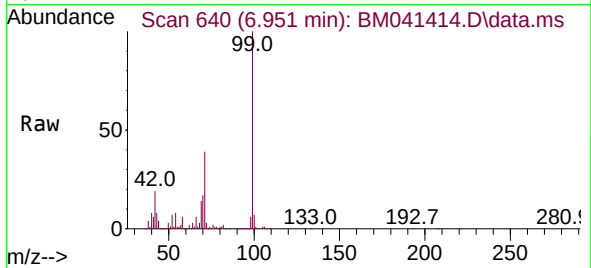




#7
Phenol-d6
Concen: 86.667 ng
RT: 6.951 min Scan# 64
Delta R.T. -0.006 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

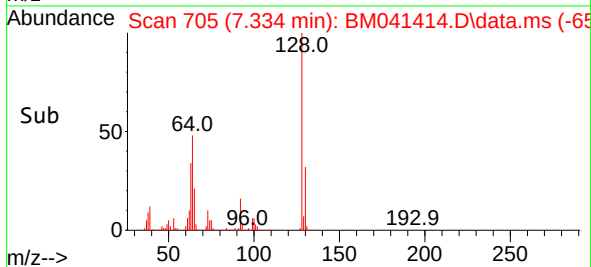
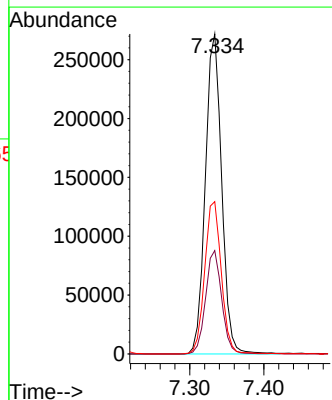
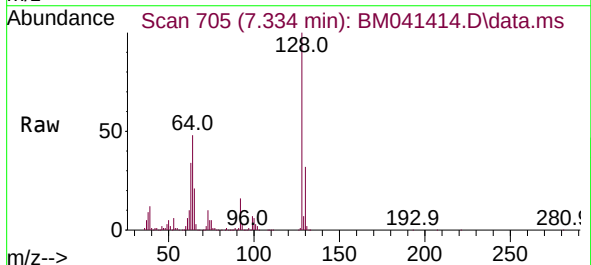
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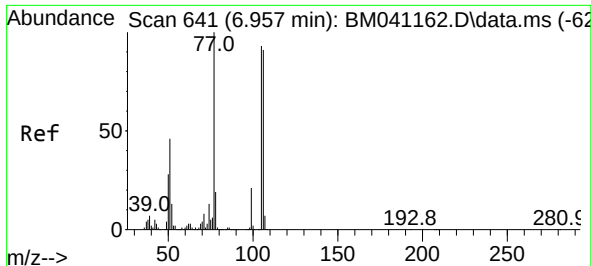
Tgt Ion: 99 Resp: 1299847
Ion Ratio Lower Upper
99 100
42 18.9 15.4 23.0
71 39.3 28.2 42.4



#8
2-Chlorophenol
Concen: 36.770 ng
RT: 7.334 min Scan# 705
Delta R.T. -0.006 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion: 128 Resp: 415344
Ion Ratio Lower Upper
128 100
130 32.3 12.3 52.3
64 47.6 29.3 69.3

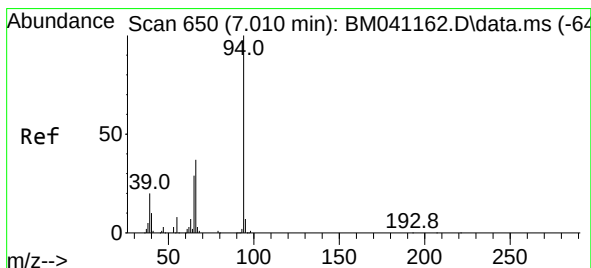
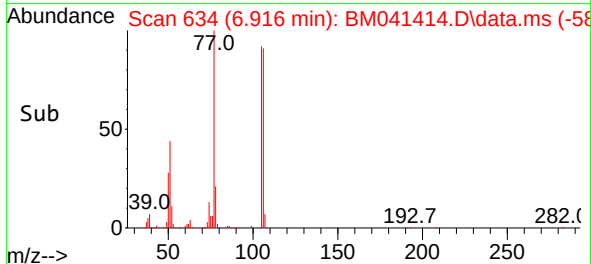
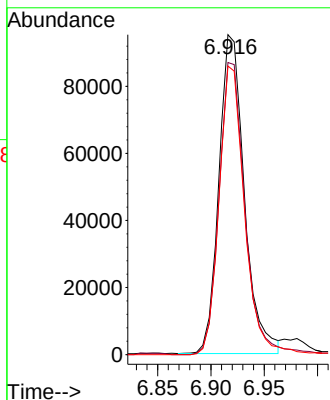
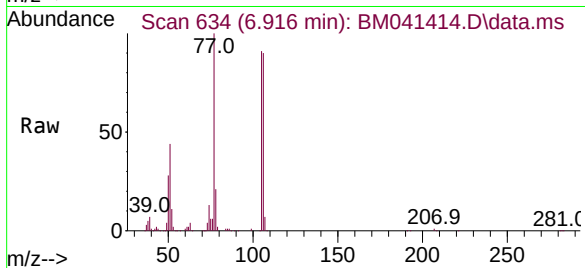




#9
Benzaldehyde
Concen: 19.992 ng
RT: 6.916 min Scan# 641
Delta R.T. -0.006 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

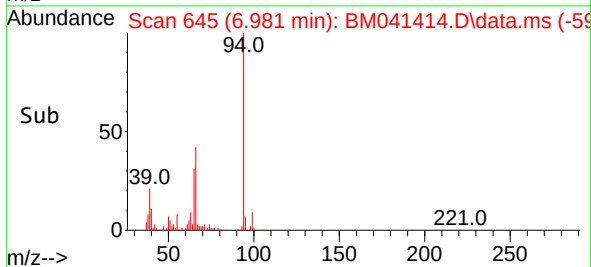
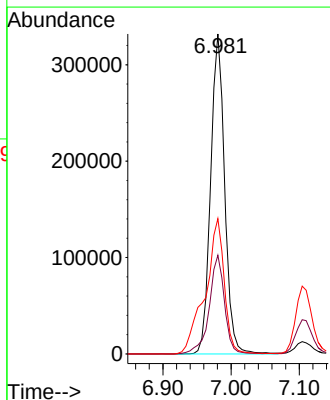
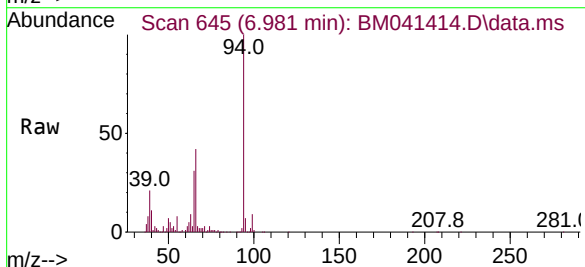
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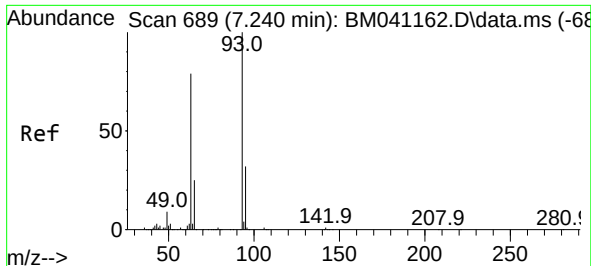
Tgt Ion: 77 Resp: 158218
Ion Ratio Lower Upper
77 100
105 91.3 72.8 112.8
106 90.2 70.8 110.8



#10
Phenol
Concen: 32.799 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.006 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion: 94 Resp: 475117
Ion Ratio Lower Upper
94 100
65 30.8 9.5 49.5
66 42.3 18.0 58.0

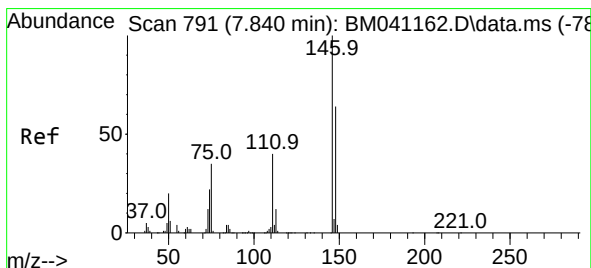
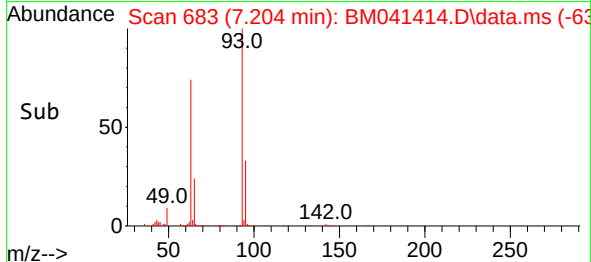
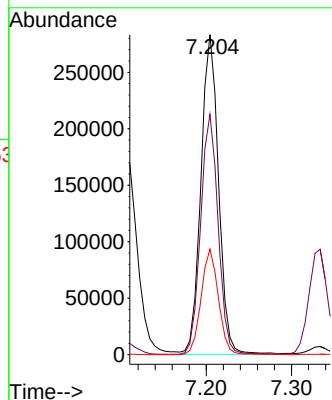
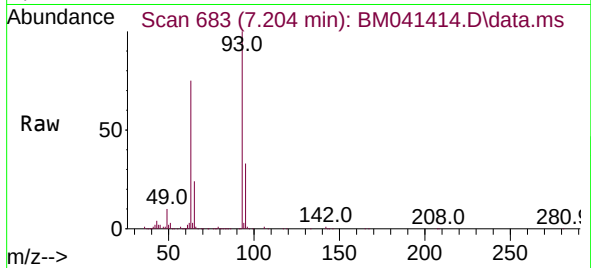




#11
bis(2-Chloroethyl)ether
Concen: 34.688 ng
RT: 7.204 min Scan# 689
Delta R.T. -0.006 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

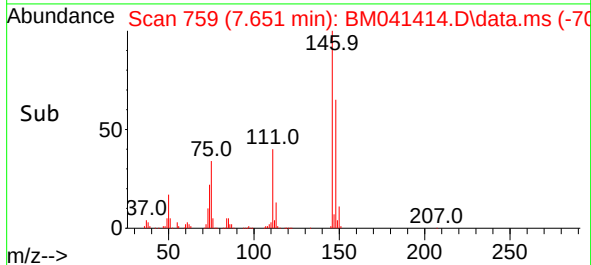
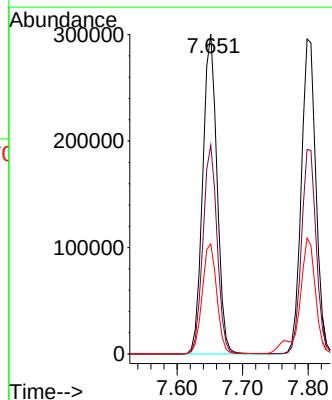
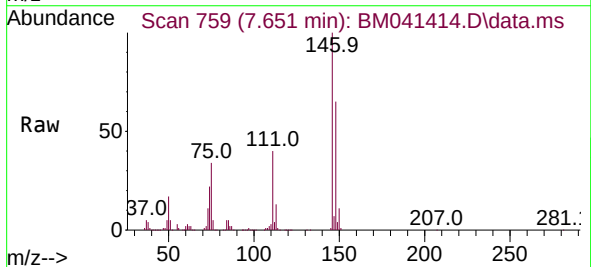
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

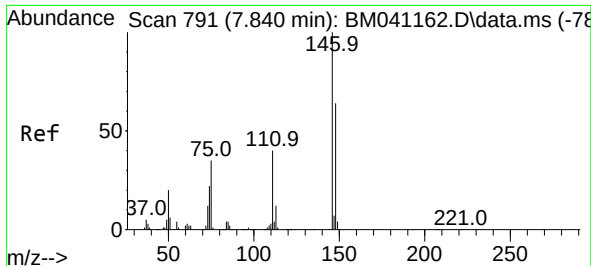
Tgt Ion: 93 Resp: 406744
Ion Ratio Lower Upper
93 100
63 75.1 58.8 98.8
95 33.0 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 36.802 ng
RT: 7.651 min Scan# 759
Delta R.T. -0.006 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion: 146 Resp: 452500
Ion Ratio Lower Upper
146 100
148 65.2 51.9 77.9
75 34.4 28.3 42.5

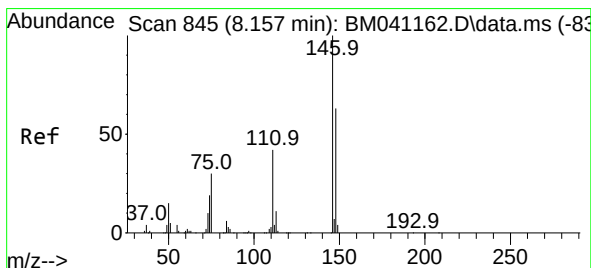
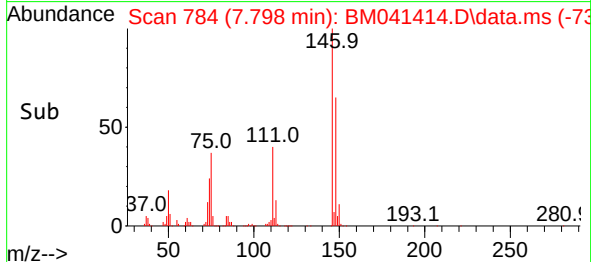
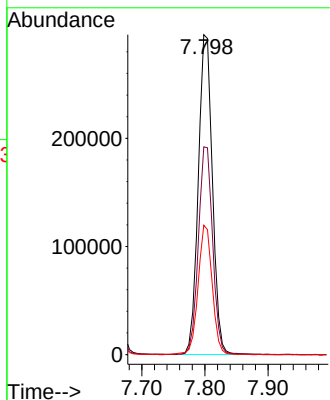
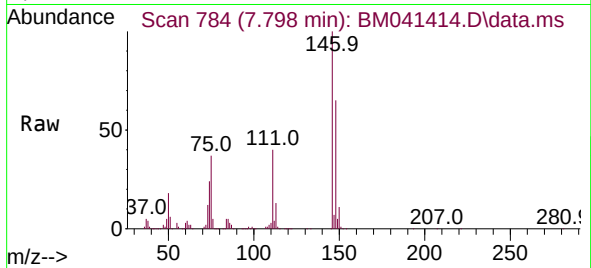




#13
1,4-Dichlorobenzene
Concen: 37.211 ng
RT: 7.798 min Scan# 784
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

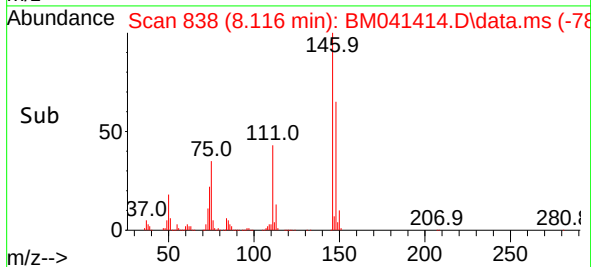
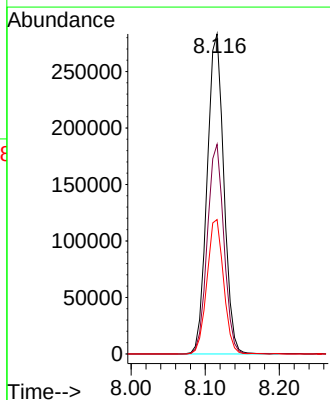
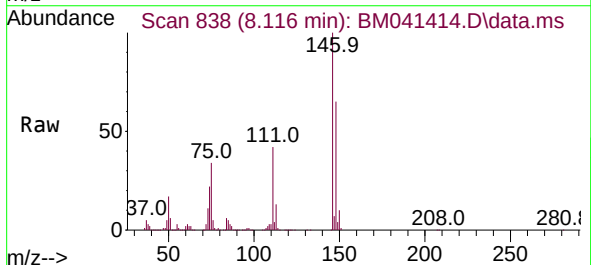
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

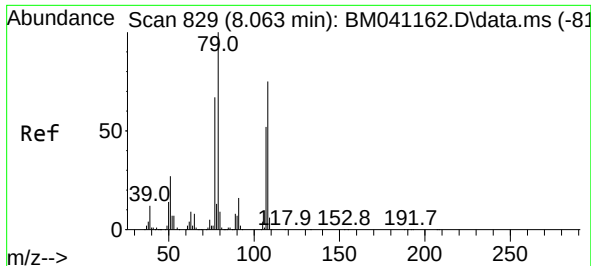
Tgt Ion:146 Resp: 459874
Ion Ratio Lower Upper
146 100
148 64.9 51.4 77.0
111 40.4 32.4 48.6



#14
1,2-Dichlorobenzene
Concen: 37.353 ng
RT: 8.116 min Scan# 838
Delta R.T. -0.006 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:146 Resp: 442624
Ion Ratio Lower Upper
146 100
148 65.5 50.9 76.3
111 42.0 33.8 50.6

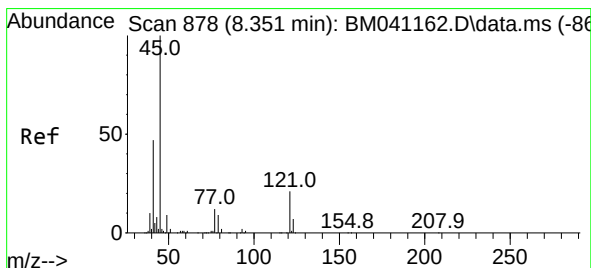
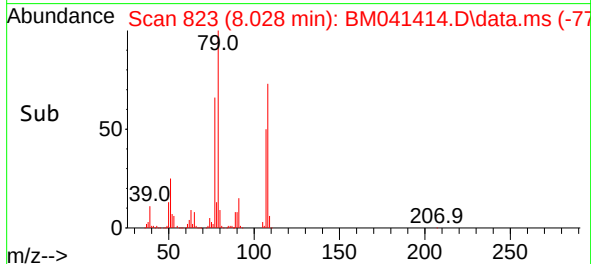
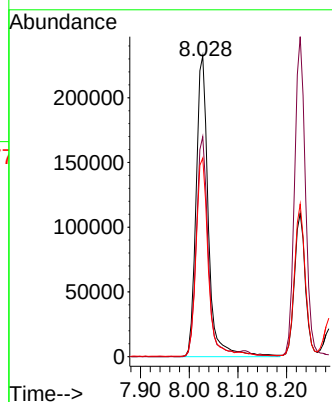
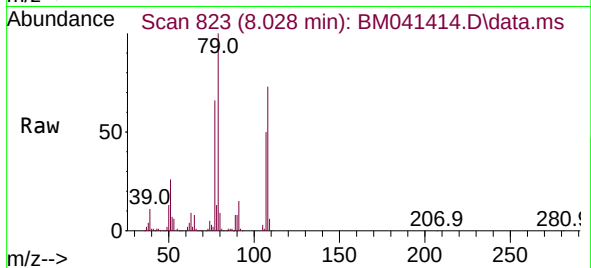




#15
Benzyl Alcohol
Concen: 42.611 ng
RT: 8.028 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

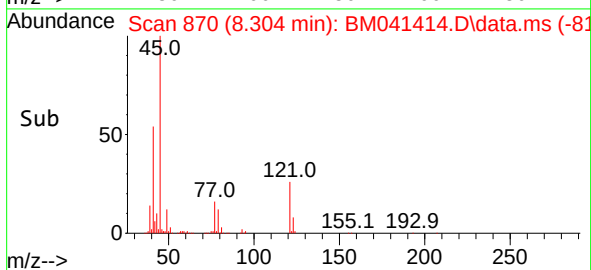
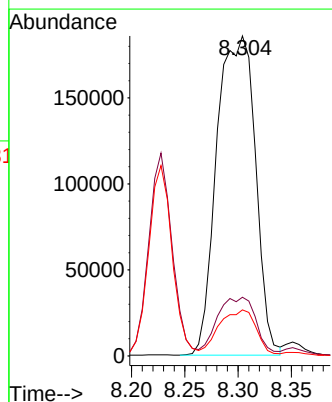
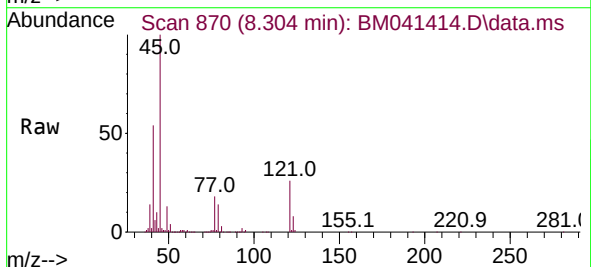
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

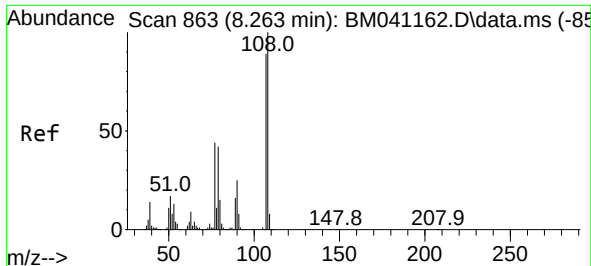
Tgt Ion: 79 Resp: 403598
Ion Ratio Lower Upper
79 100
108 73.1 59.8 89.8
77 66.0 53.8 80.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 29.869 ng
RT: 8.304 min Scan# 870
Delta R.T. 0.006 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion: 45 Resp: 466654
Ion Ratio Lower Upper
45 100
77 18.3 0.0 34.5
79 14.4 0.0 32.1

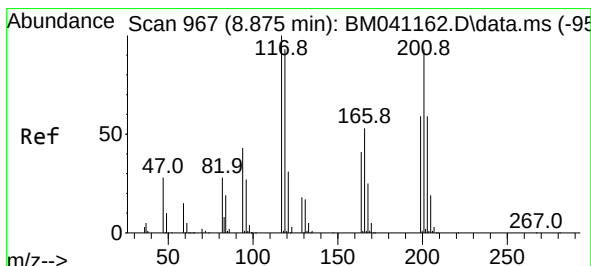
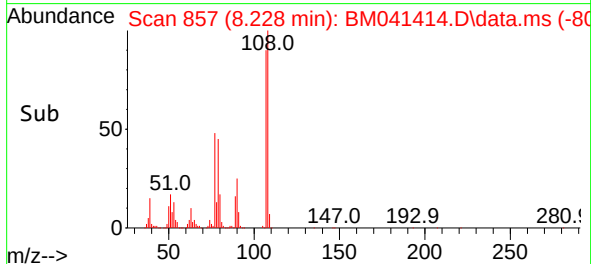
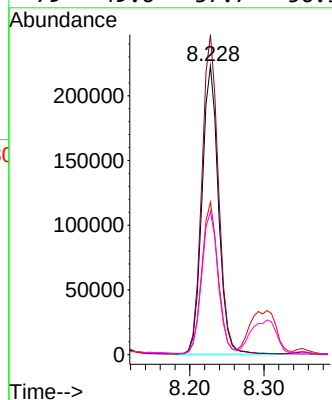
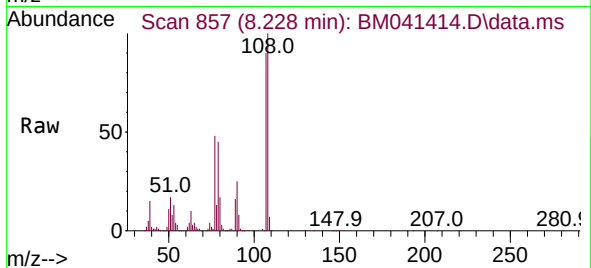




#17
2-Methylphenol
Concen: 34.515 ng
RT: 8.228 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

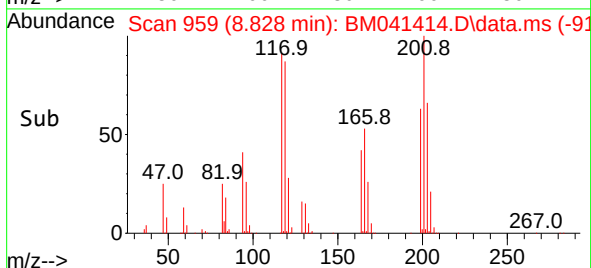
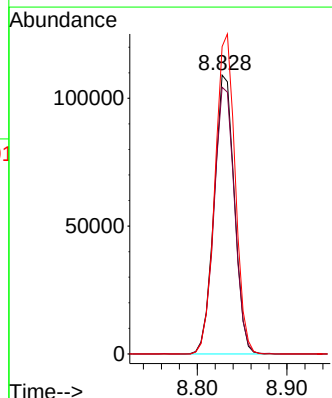
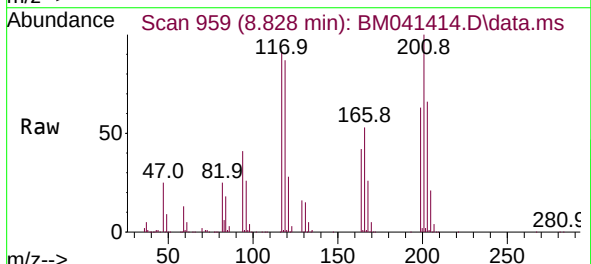
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

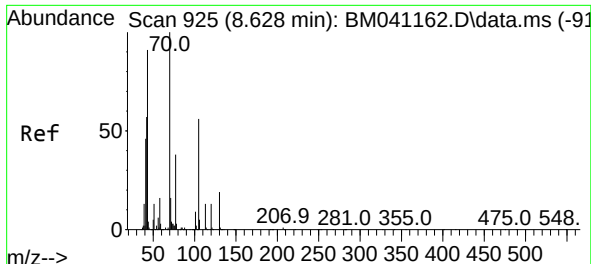
Tgt Ion:	107	Resp:	341579
Ion	Ratio	Lower	Upper
107	100		
108	110.9	89.9	134.9
77	52.9	39.8	59.8
79	49.6	37.7	56.5



#18
Hexachloroethane
Concen: 37.192 ng
RT: 8.828 min Scan# 959
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:	117	Resp:	171122
Ion	Ratio	Lower	Upper
117	100		
119	95.6	74.2	111.4
201	110.2	74.5	111.7

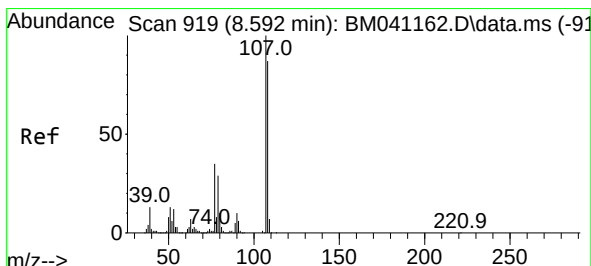
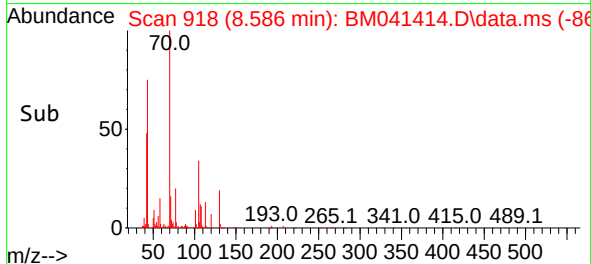
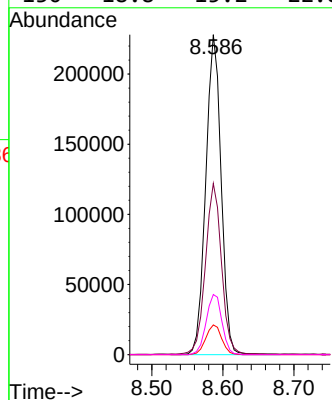
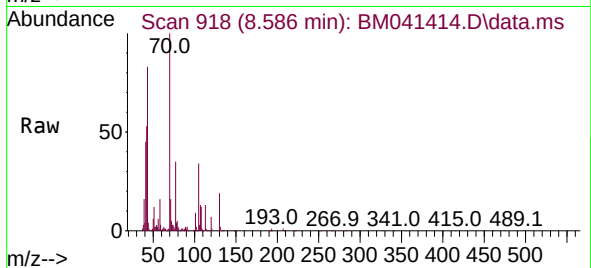




#19
n-Nitroso-di-n-propylamine
Concen: 37.531 ng
RT: 8.586 min Scan# 914
Delta R.T. -0.006 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

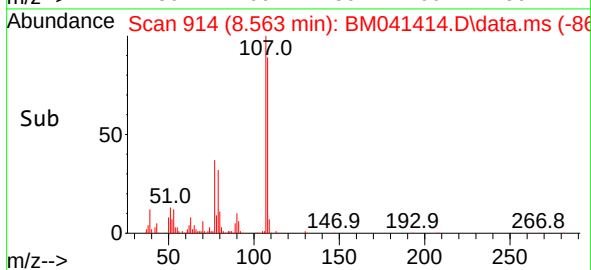
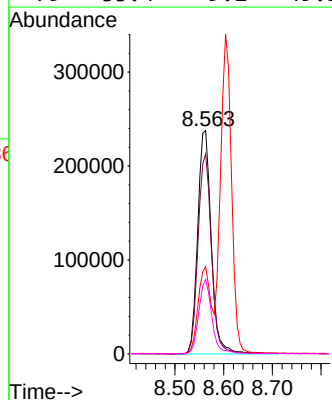
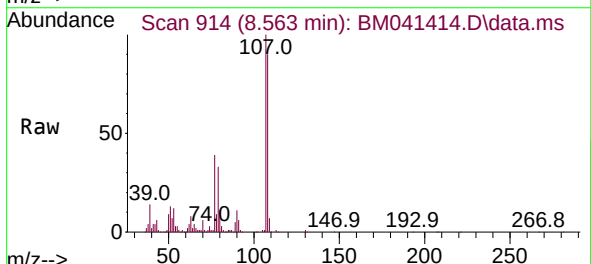
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

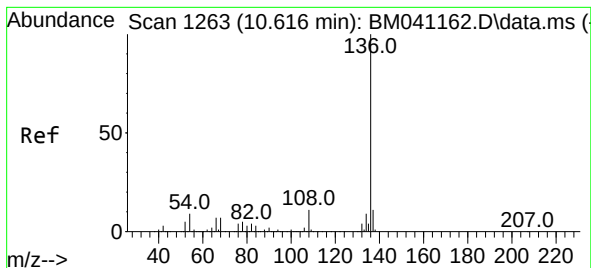
Tgt Ion:	70	Resp:	341901
Ion	Ratio	Lower	Upper
70	100		
42	53.5	45.8	68.8
101	9.3	7.4	11.0
130	18.8	15.2	22.8



#20
3+4-Methylphenols
Concen: 34.600 ng
RT: 8.563 min Scan# 914
Delta R.T. -0.006 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:	107	Resp:	457841
Ion	Ratio	Lower	Upper
107	100		
108	89.6	67.2	107.2
77	39.0	15.4	55.4
79	33.4	9.2	49.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.569 min Scan# 1263

Delta R.T. -0.012 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD

Tgt Ion:136 Resp: 659057

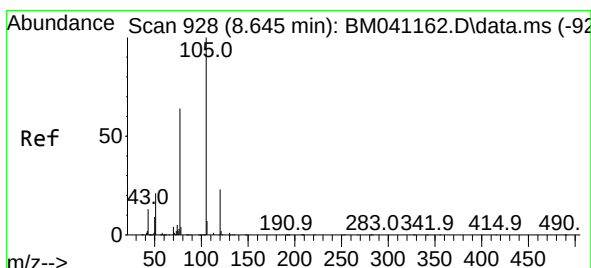
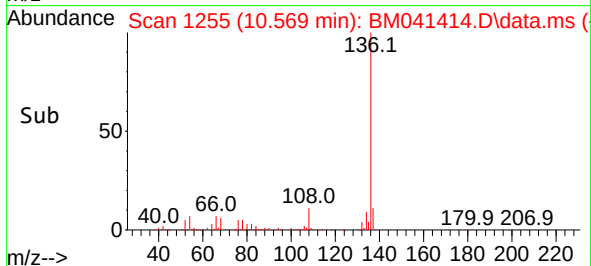
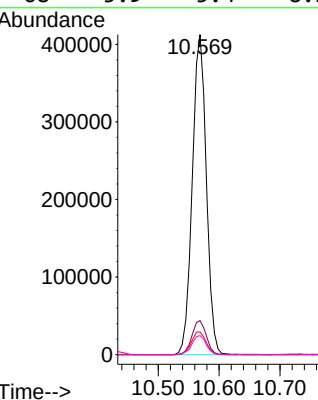
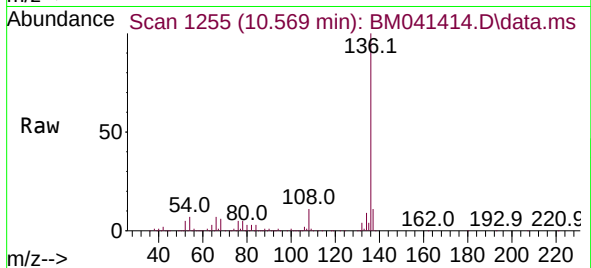
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.1 6.9 10.3

68 5.9 5.4 8.2



#22

Acetophenone

Concen: 36.703 ng

RT: 8.604 min Scan# 921

Delta R.T. -0.012 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

Tgt Ion:105 Resp: 640639

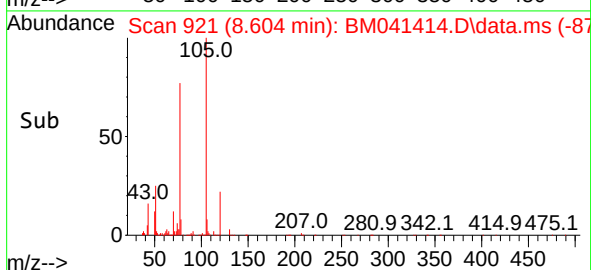
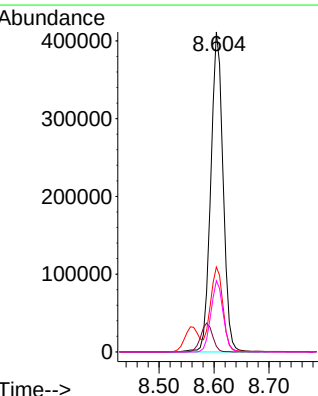
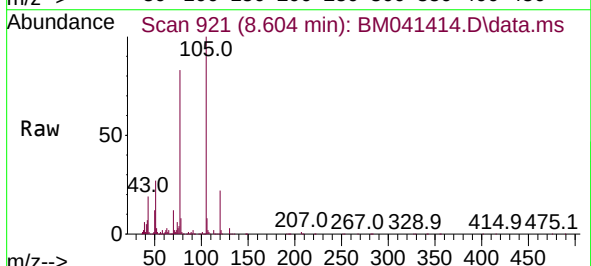
Ion Ratio Lower Upper

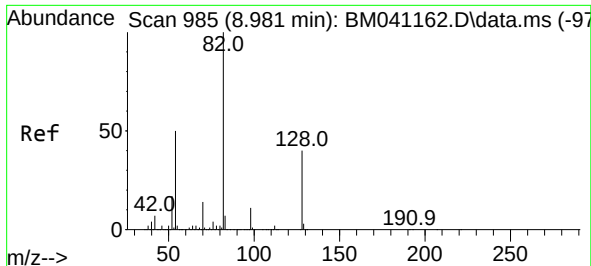
105 100

71 1.8 1.2 1.8

51 26.5 22.0 33.0

120 22.2 18.0 27.0

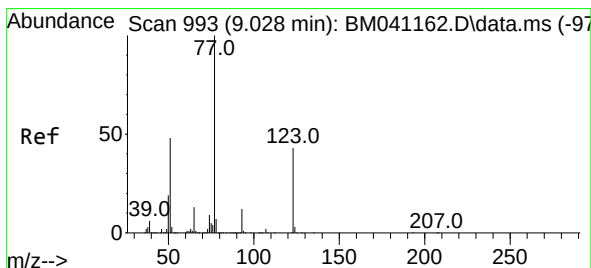
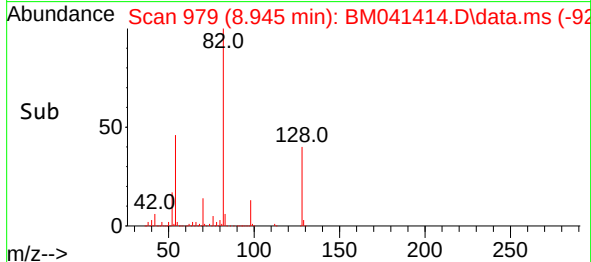
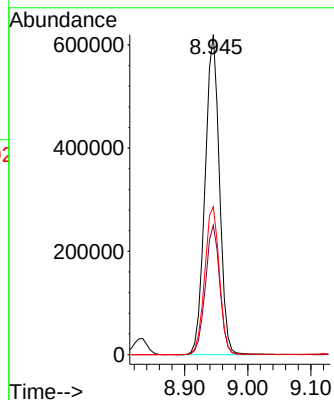
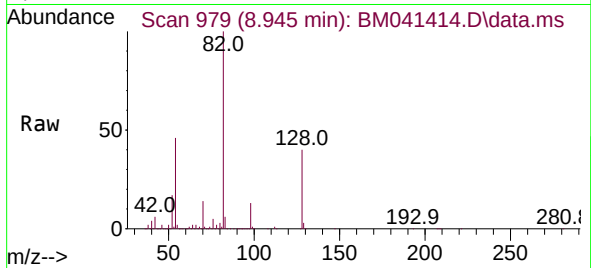




#23
Nitrobenzene-d5
Concen: 68.922 ng
RT: 8.945 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

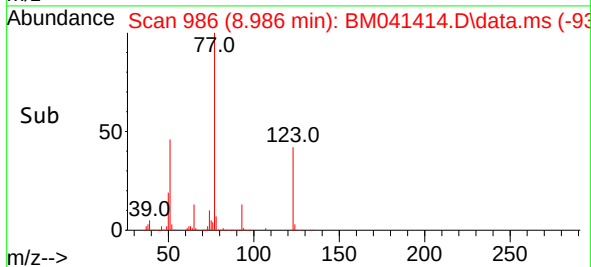
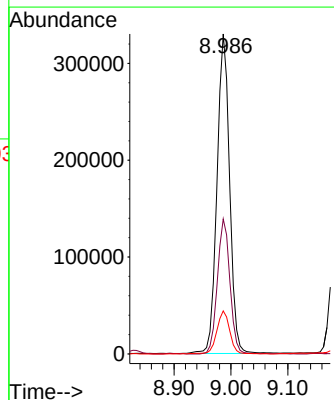
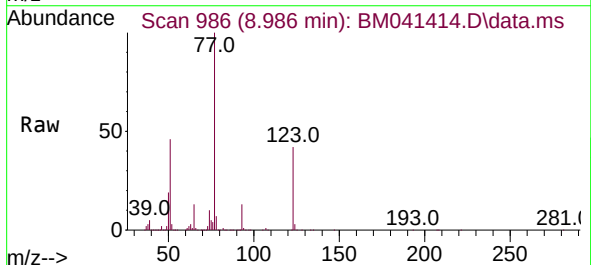
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

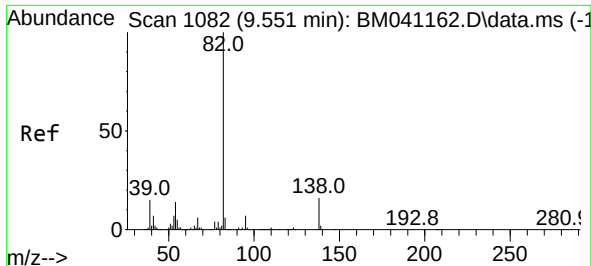
Tgt Ion: 82 Resp: 976756
Ion Ratio Lower Upper
82 100
128 40.4 31.8 47.6
54 46.2 40.1 60.1



#24
Nitrobenzene
Concen: 35.441 ng
RT: 8.986 min Scan# 986
Delta R.T. -0.006 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion: 77 Resp: 507924
Ion Ratio Lower Upper
77 100
123 42.2 34.2 51.2
65 13.4 10.7 16.1

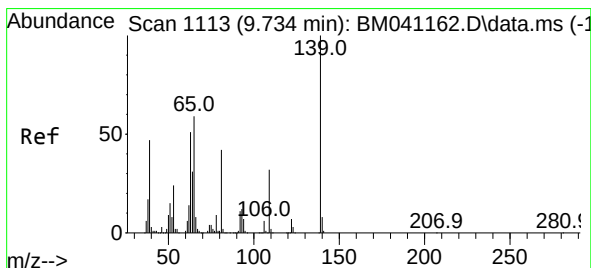
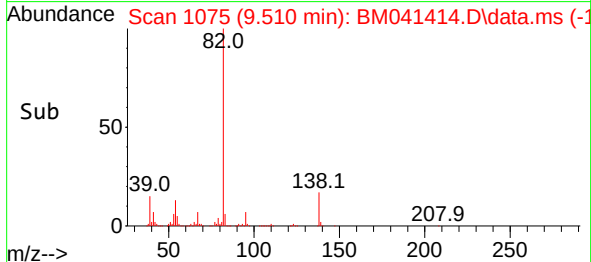
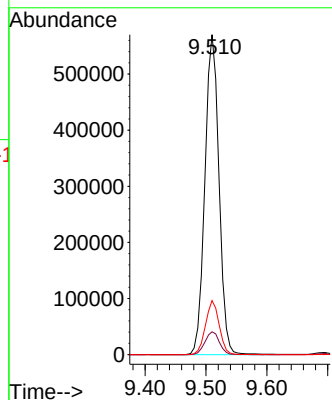
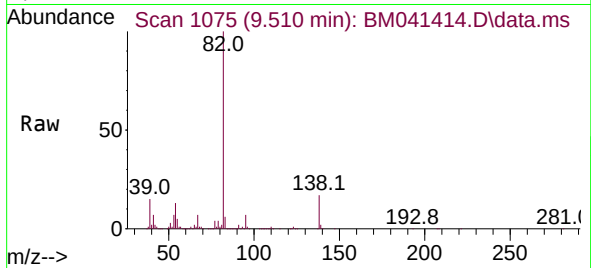




#25
Isophorone
Concen: 38.004 ng
RT: 9.510 min Scan# 10
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

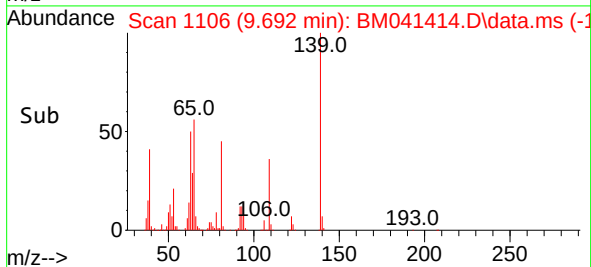
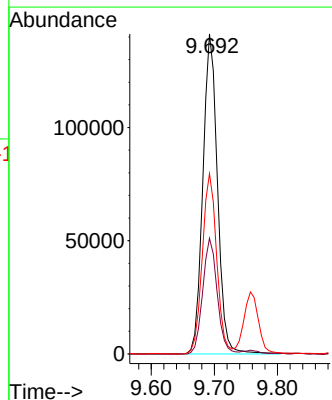
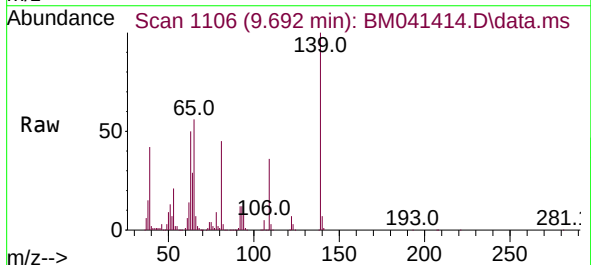
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

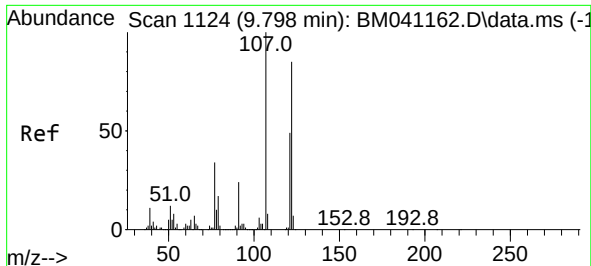
Tgt Ion: 82 Resp: 914253
Ion Ratio Lower Upper
82 100
95 7.1 5.3 7.9
138 16.9 12.8 19.2



#26
2-Nitrophenol
Concen: 40.502 ng
RT: 9.692 min Scan# 1106
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion: 139 Resp: 226918
Ion Ratio Lower Upper
139 100
109 36.1 25.4 38.2
65 56.3 47.2 70.8





#27

2,4-Dimethylphenol

Concen: 35.555 ng

RT: 9.757 min Scan# 1117

Delta R.T. -0.012 min

Lab File: BM041414.D

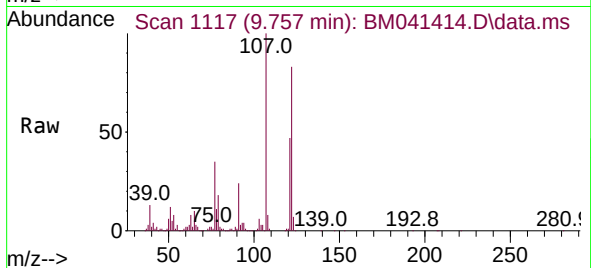
Acq: 15 Aug 2023 20:11

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD



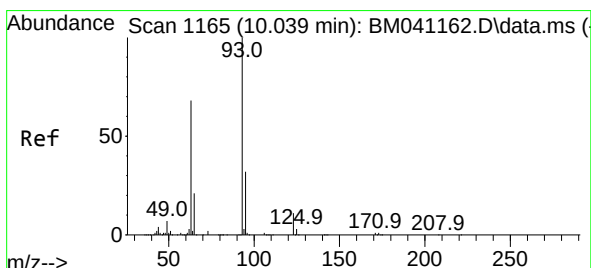
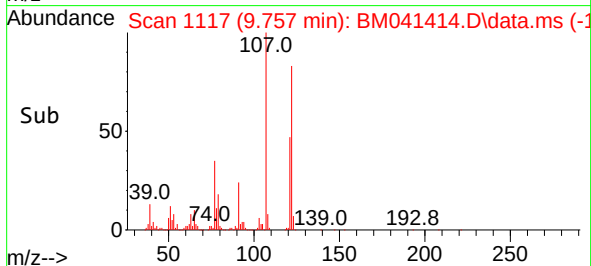
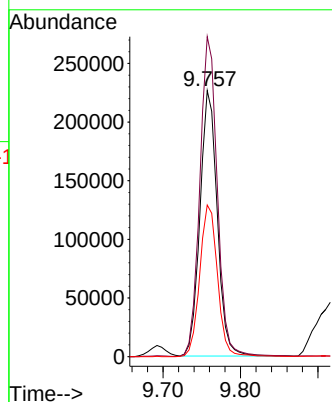
Tgt Ion:122 Resp: 350523

Ion Ratio Lower Upper

122 100

107 120.3 94.3 141.5

121 57.0 45.8 68.8



#28

bis(2-Chloroethoxy)methane

Concen: 35.836 ng

RT: 9.992 min Scan# 1157

Delta R.T. -0.012 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

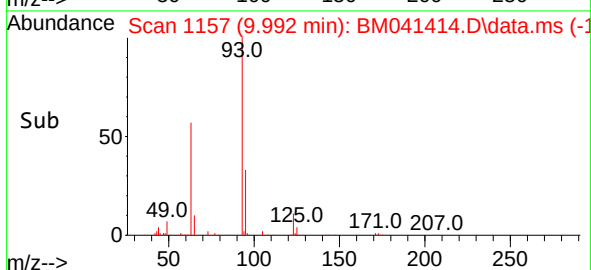
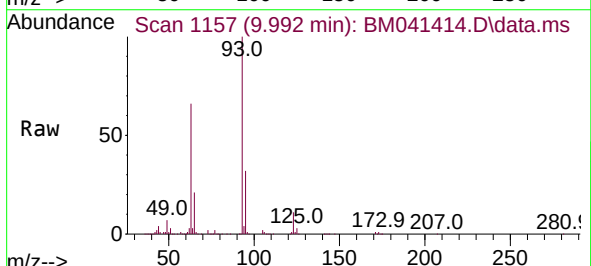
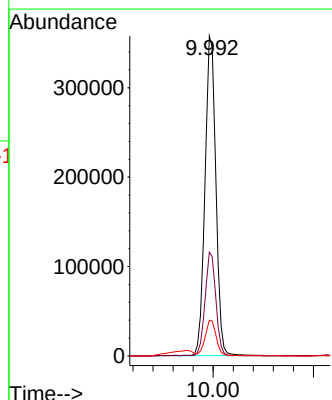
Tgt Ion: 93 Resp: 540027

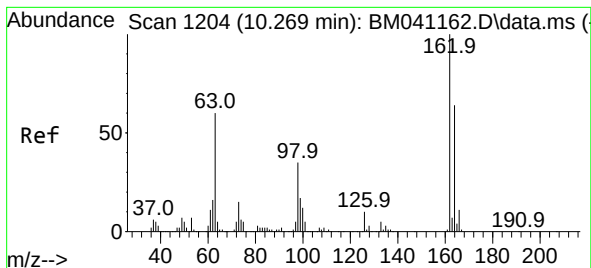
Ion Ratio Lower Upper

93 100

95 32.4 25.9 38.9

123 11.1 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 41.238 ng

RT: 10.228 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BM041414.D

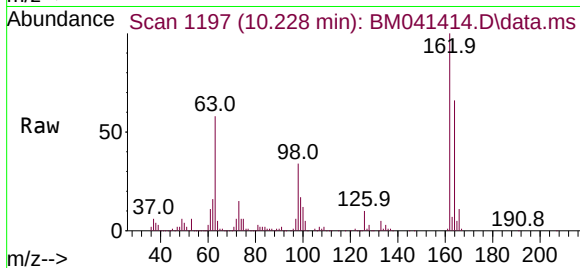
Acq: 15 Aug 2023 20:11

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD



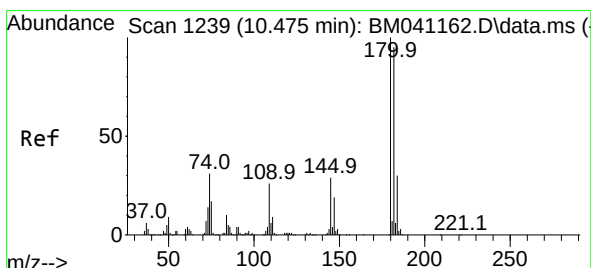
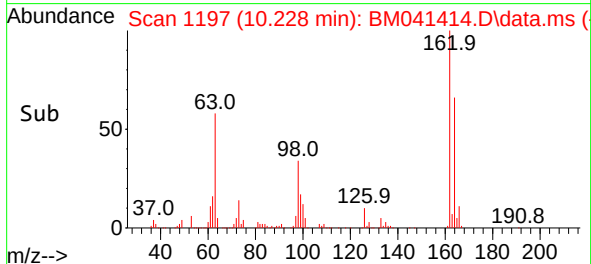
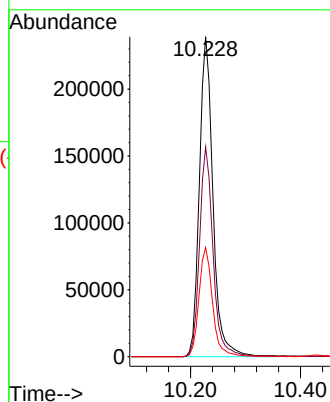
Tgt Ion:162 Resp: 409991

Ion Ratio Lower Upper

162 100

164 65.5 44.3 84.3

98 34.0 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 41.569 ng

RT: 10.433 min Scan# 1232

Delta R.T. -0.006 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

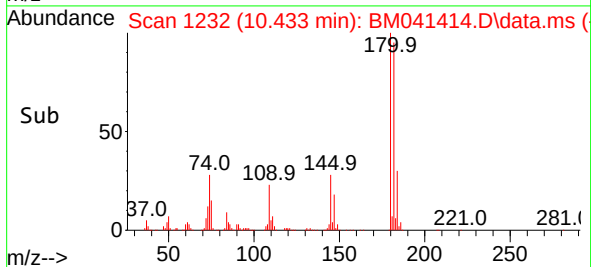
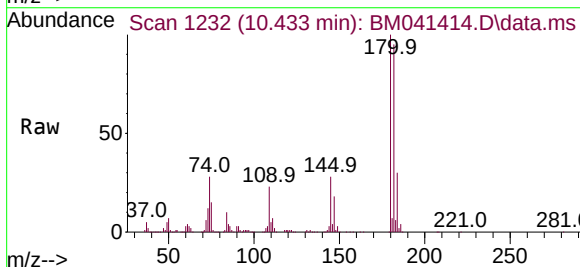
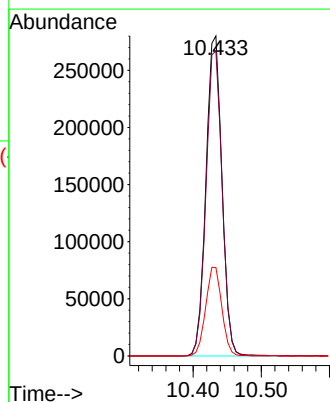
Tgt Ion:180 Resp: 456607

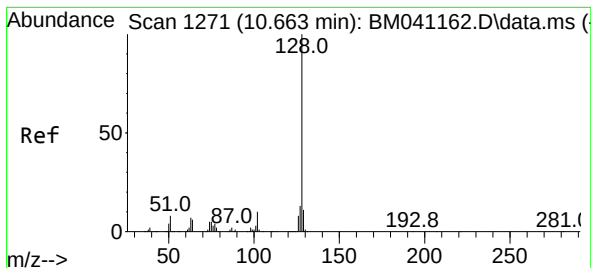
Ion Ratio Lower Upper

180 100

182 95.2 75.9 113.9

145 27.6 23.6 35.4





#31

Naphthalene

Concen: 34.906 ng

RT: 10.616 min Scan# 11

Delta R.T. -0.012 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD

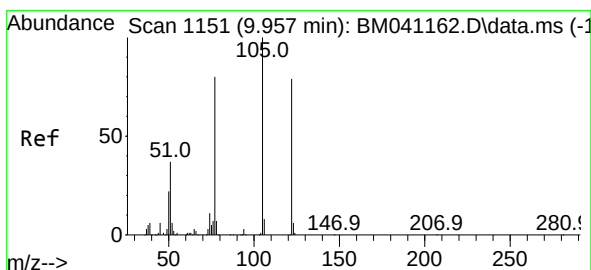
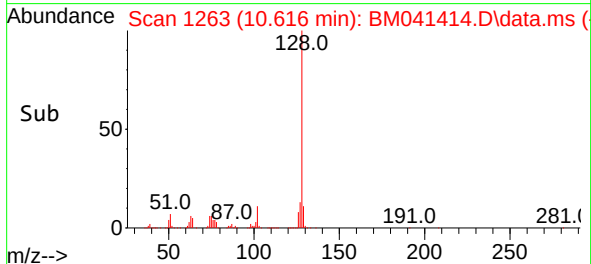
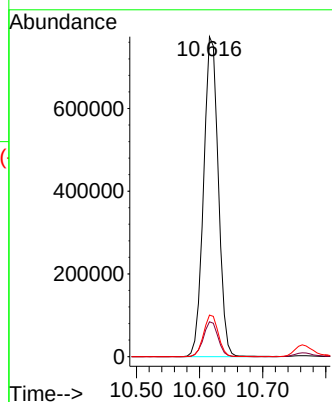
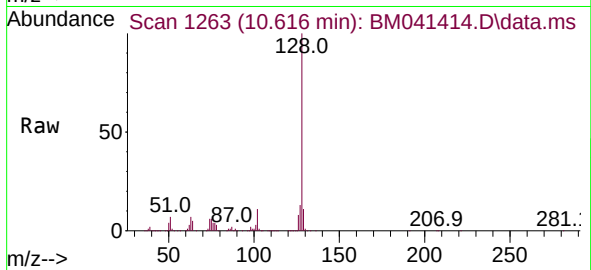
Tgt Ion:128 Resp: 1248370

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

127 13.0 10.5 15.7



#32

Benzoic acid

Concen: 37.203 ng

RT: 9.951 min Scan# 1150

Delta R.T. -0.000 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

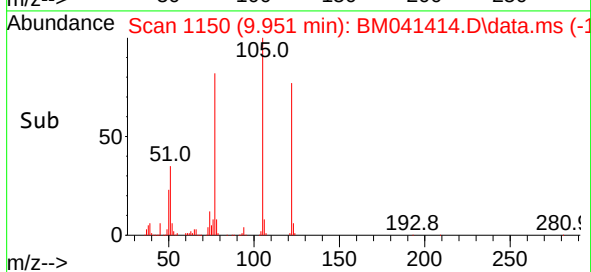
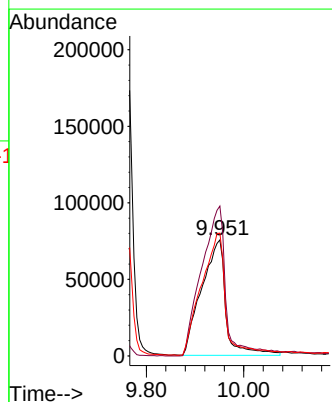
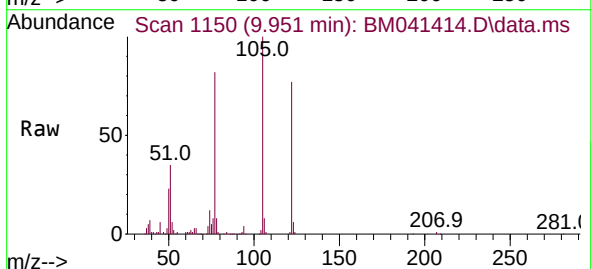
Tgt Ion:122 Resp: 261461

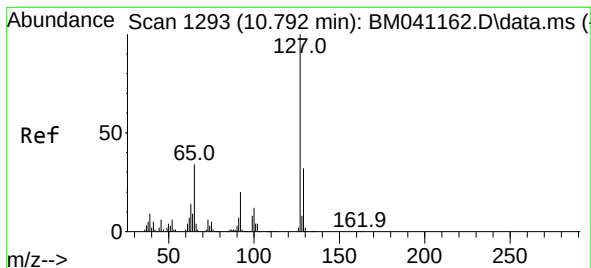
Ion Ratio Lower Upper

122 100

105 129.1 104.0 144.0

77 105.8 79.9 119.9





#33

4-Chloroaniline

Concen: 4.462 ng

RT: 10.763 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM041414.D

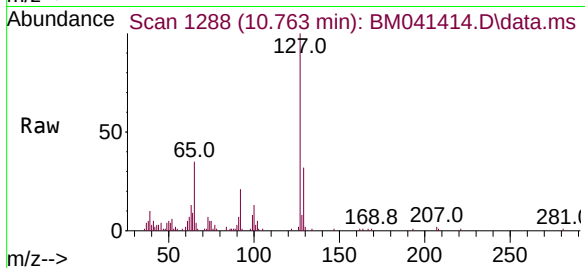
Acq: 15 Aug 2023 20:11

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD



Tgt Ion:127 Resp: 63772

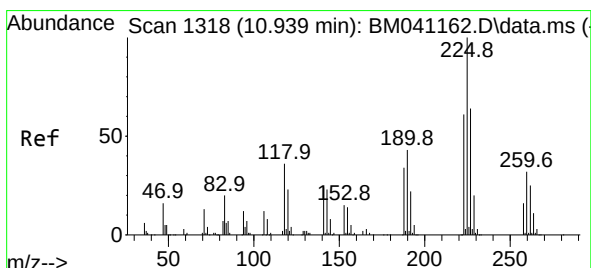
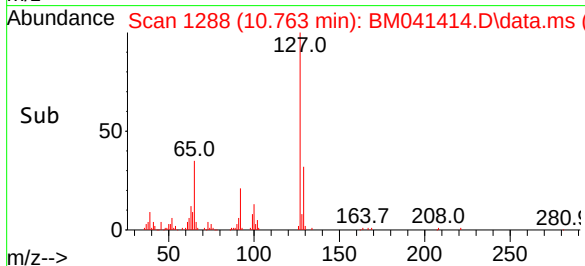
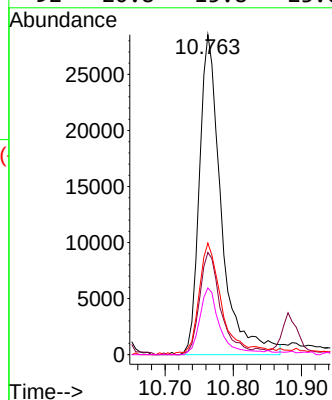
Ion Ratio Lower Upper

127 100

129 31.9 25.9 38.9

65 34.8 26.9 40.3

92 20.8 15.8 23.6



#34

Hexachlorobutadiene

Concen: 45.211 ng

RT: 10.886 min Scan# 1309

Delta R.T. -0.012 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

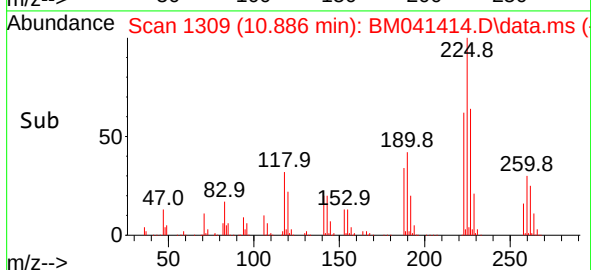
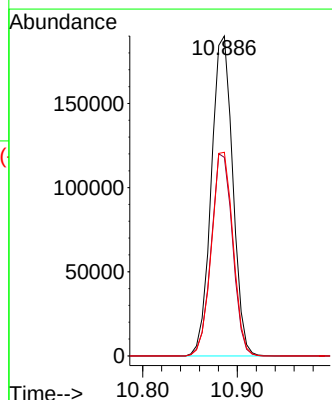
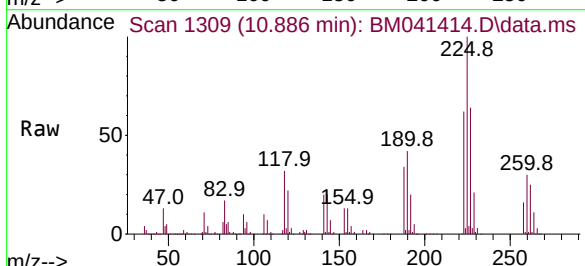
Tgt Ion:225 Resp: 298682

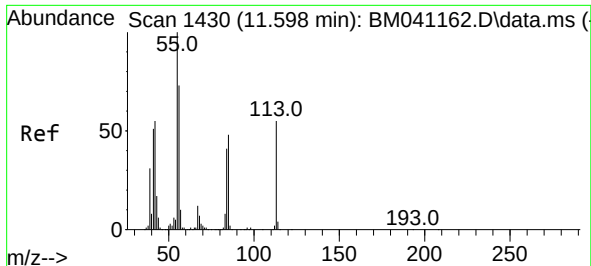
Ion Ratio Lower Upper

225 100

223 62.0 49.0 73.4

227 63.6 50.8 76.2

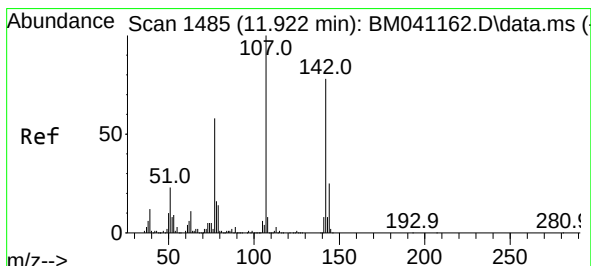
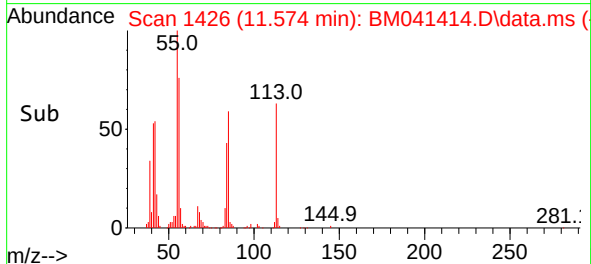
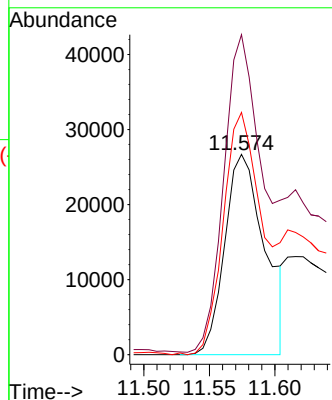
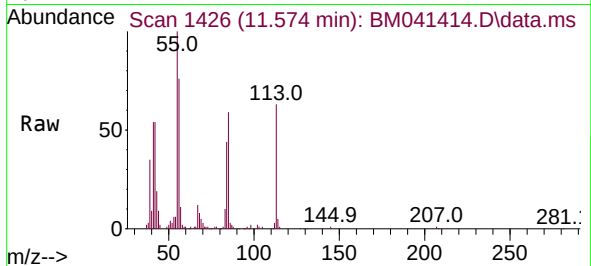




#35
 Caprolactam
 Concen: 19.712 ng
 RT: 11.574 min Scan# 1430
 Delta R.T. -0.018 min
 Lab File: BM041414.D
 Acq: 15 Aug 2023 20:11

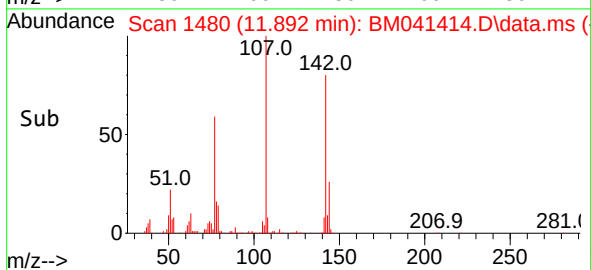
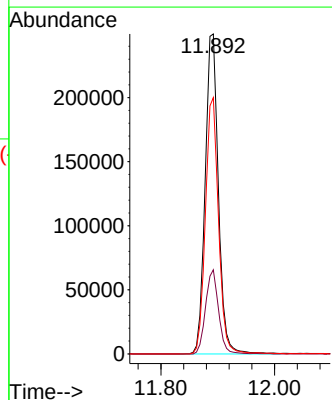
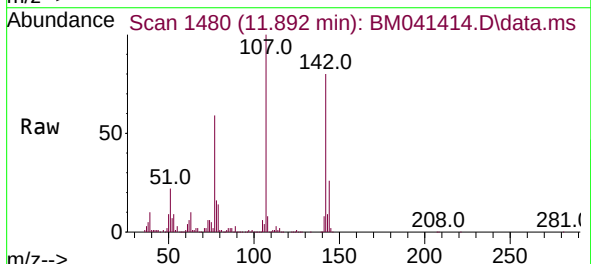
Instrument :
 BNA_M
 ClientSampleId :
 PNNL-APM2-0811-1MSD

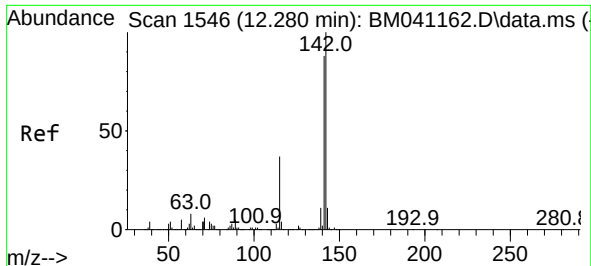
Tgt Ion:113 Resp: 56692
 Ion Ratio Lower Upper
 113 100
 55 159.9 162.5 202.5#
 56 121.0 114.1 154.1



#36
 4-Chloro-3-methylphenol
 Concen: 38.633 ng
 RT: 11.892 min Scan# 1480
 Delta R.T. -0.006 min
 Lab File: BM041414.D
 Acq: 15 Aug 2023 20:11

Tgt Ion:107 Resp: 404260
 Ion Ratio Lower Upper
 107 100
 144 26.3 20.1 30.1
 142 80.1 62.2 93.4

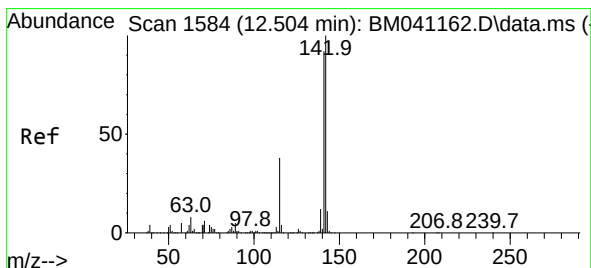
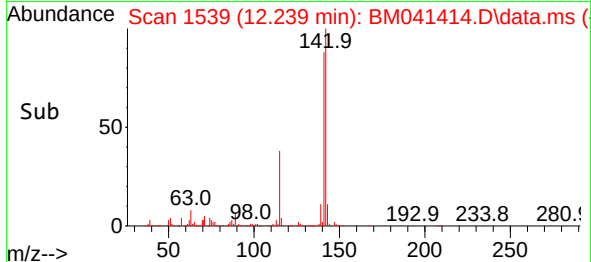
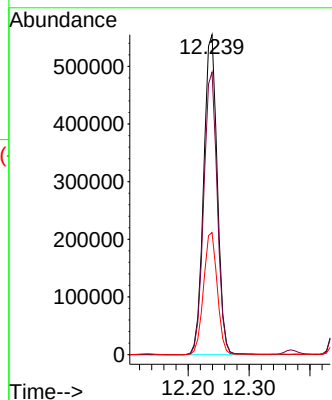
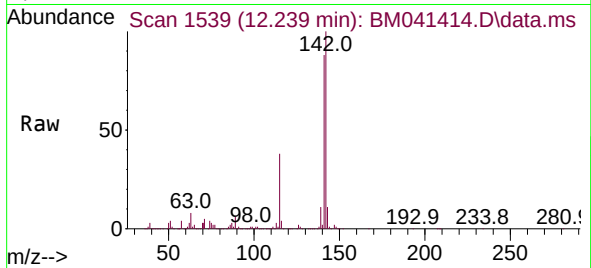




#37
2-Methylnaphthalene
Concen: 35.551 ng
RT: 12.239 min Scan# 1539
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

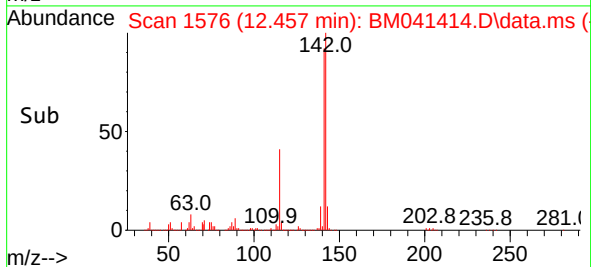
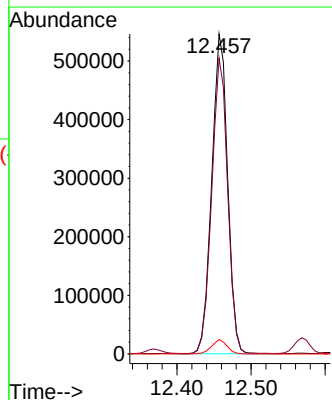
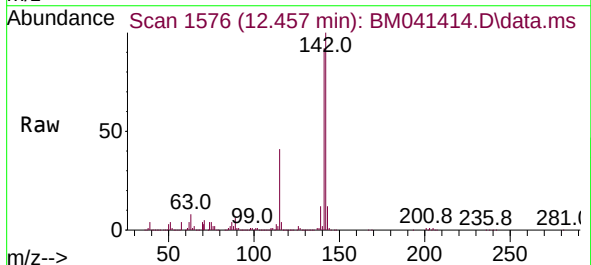
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

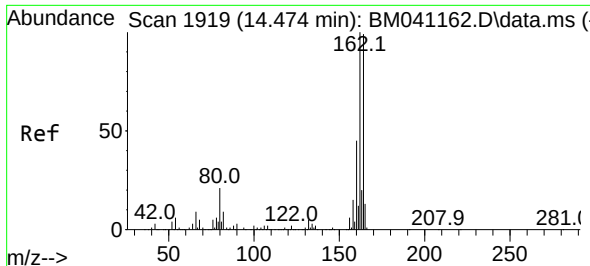
Tgt Ion:142 Resp: 857180
Ion Ratio Lower Upper
142 100
141 88.2 70.7 106.1
115 38.2 29.3 43.9



#38
1-Methylnaphthalene
Concen: 36.057 ng
RT: 12.457 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:142 Resp: 813701
Ion Ratio Lower Upper
142 100
141 92.4 73.4 110.2
116 4.5 3.2 4.8

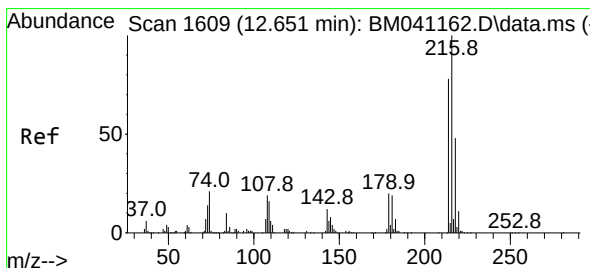
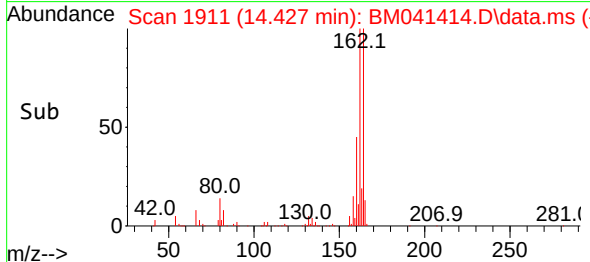
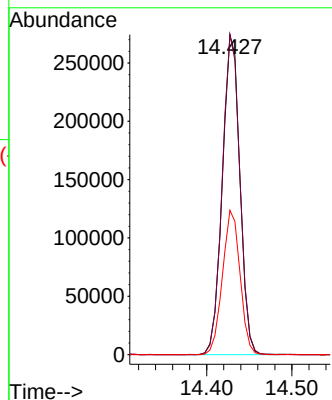
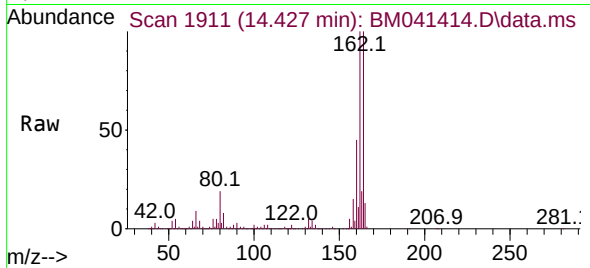




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

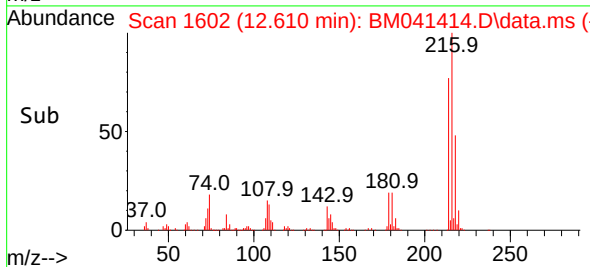
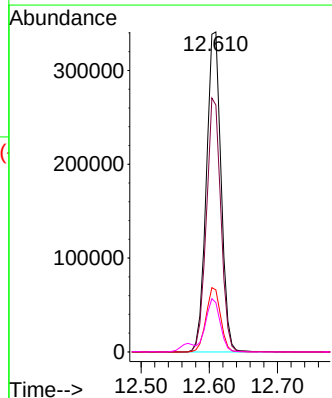
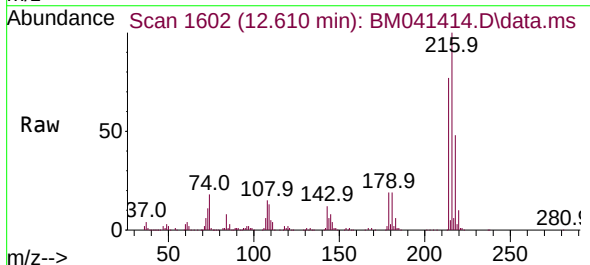
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

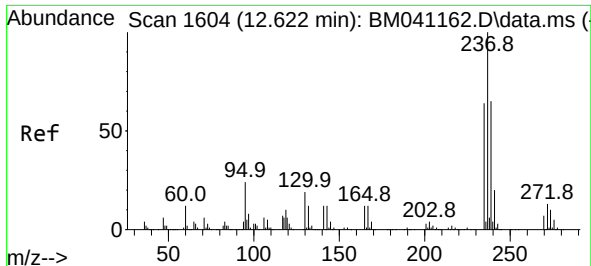
Tgt Ion:164 Resp: 391020
Ion Ratio Lower Upper
164 100
162 99.9 80.4 120.6
160 45.1 36.2 54.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.257 ng
RT: 12.610 min Scan# 1602
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:216 Resp: 511131
Ion Ratio Lower Upper
216 100
214 78.1 63.2 94.8
179 19.8 16.2 24.2
108 16.4 17.0 25.4#

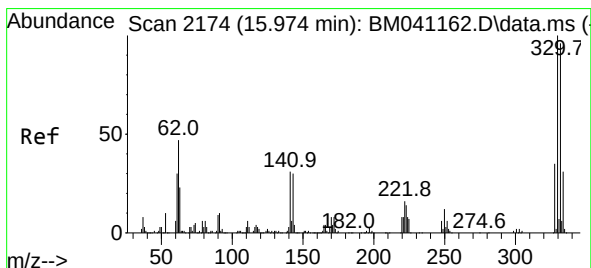
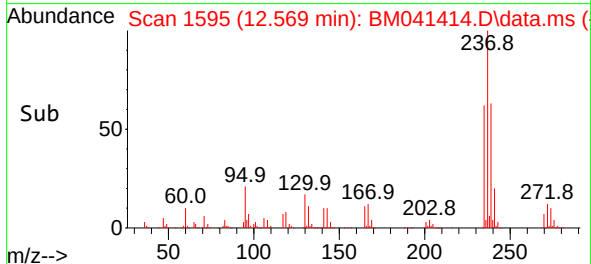
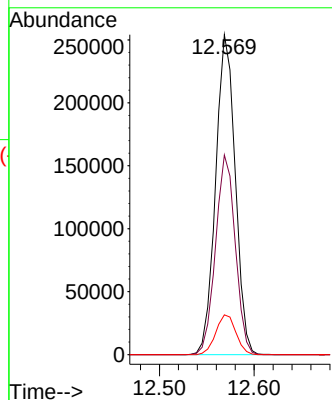
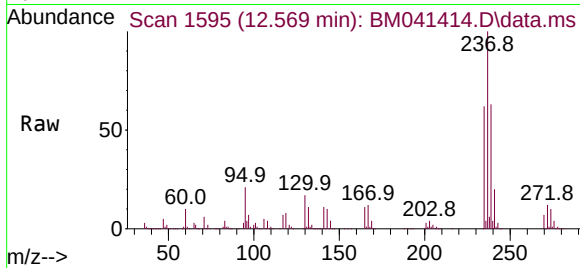




#41
Hexachlorocyclopentadiene
Concen: 54.440 ng
RT: 12.569 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

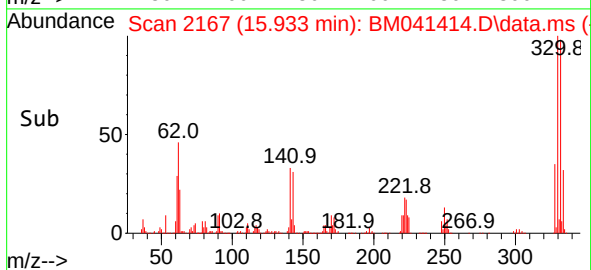
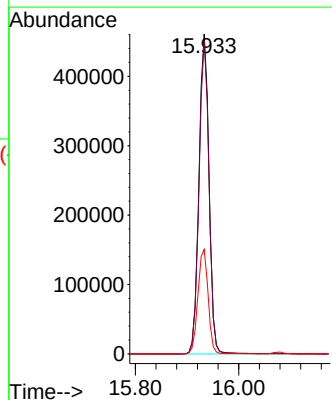
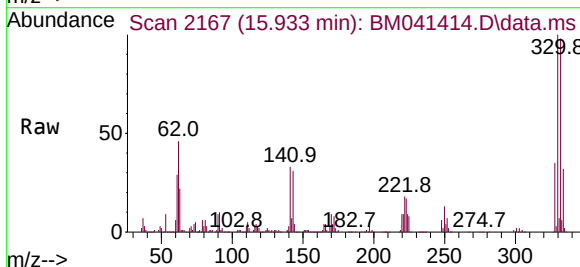
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

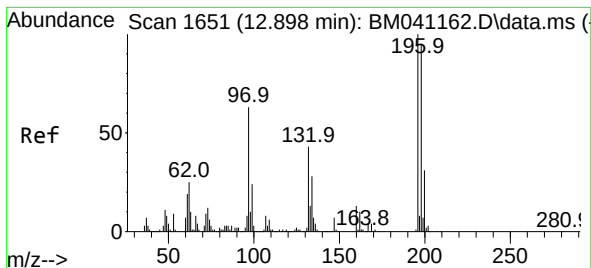
Tgt Ion:237 Resp: 365689
Ion Ratio Lower Upper
237 100
235 62.4 43.6 83.6
272 12.4 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 112.786 ng
RT: 15.933 min Scan# 2167
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:330 Resp: 623794
Ion Ratio Lower Upper
330 100
332 96.9 77.7 116.5
141 33.2 28.3 42.5





#43

2,4,6-Trichlorophenol

Concen: 41.726 ng

RT: 12.863 min Scan# 1651

Delta R.T. -0.012 min

Lab File: BM041414.D

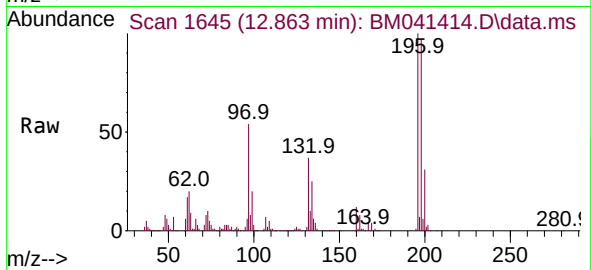
Acq: 15 Aug 2023 20:11

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD



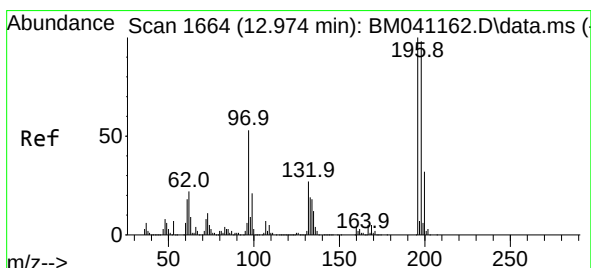
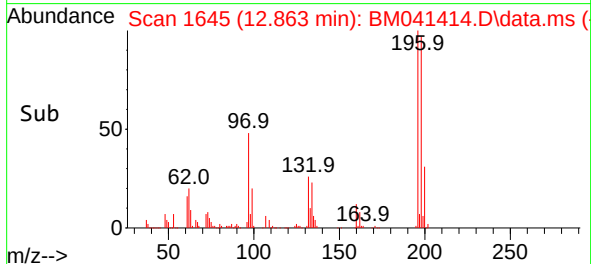
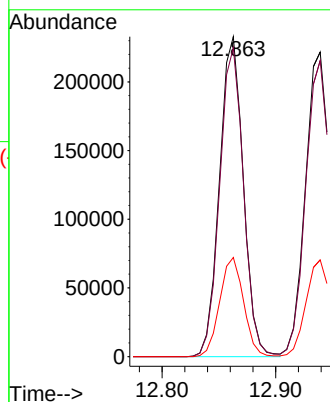
Tgt Ion:196 Resp: 339564

Ion Ratio Lower Upper

196 100

198 96.5 76.2 114.4

200 31.0 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 38.131 ng

RT: 12.939 min Scan# 1658

Delta R.T. -0.012 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

Tgt Ion:196 Resp: 359155

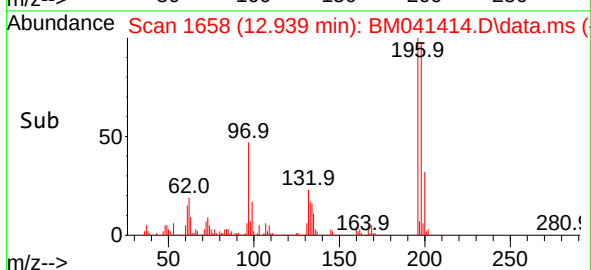
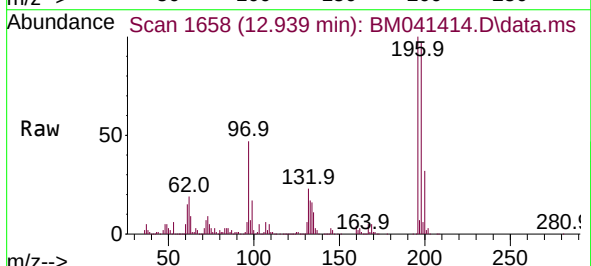
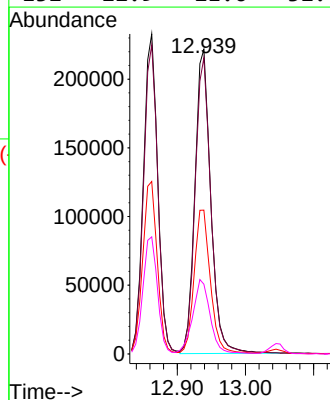
Ion Ratio Lower Upper

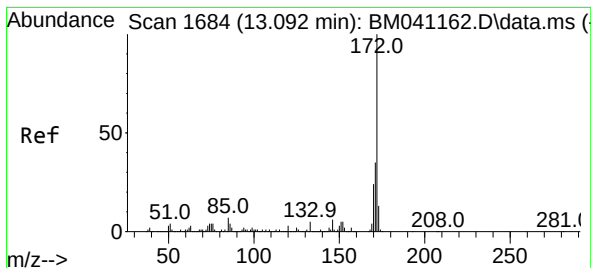
196 100

198 97.2 78.2 117.4

97 47.2 42.7 64.1

132 22.9 21.6 32.4





#45

2-Fluorobiphenyl

Concen: 69.373 ng

RT: 13.045 min Scan# 1684

Delta R.T. -0.012 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD

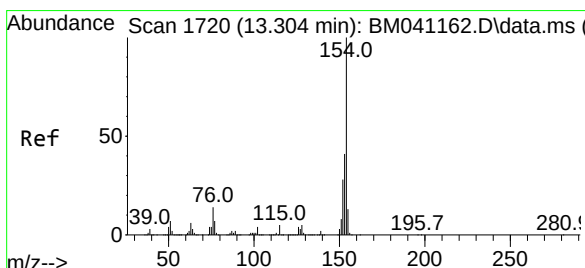
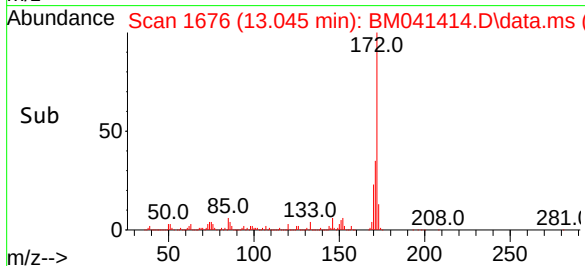
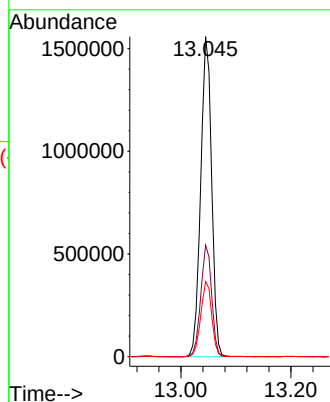
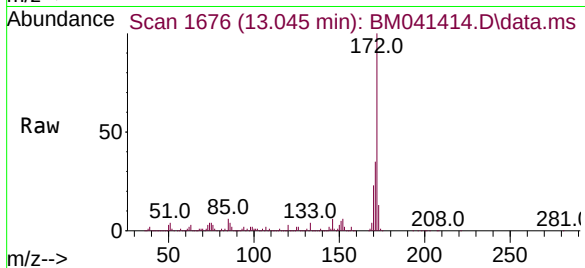
Tgt Ion:172 Resp: 2147340

Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 23.5 18.9 28.3



#46

1,1'-Biphenyl

Concen: 36.184 ng

RT: 13.257 min Scan# 1712

Delta R.T. -0.012 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

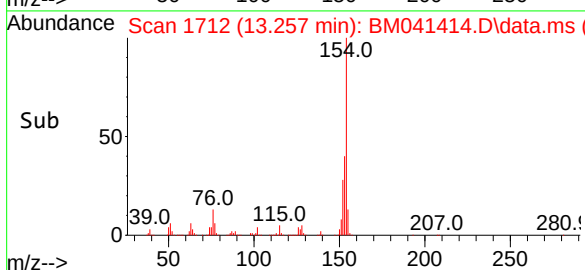
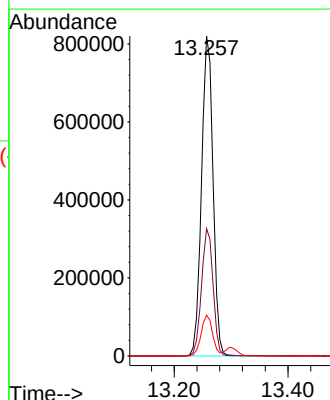
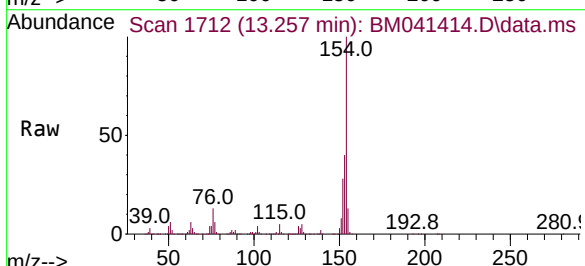
Tgt Ion:154 Resp: 1147022

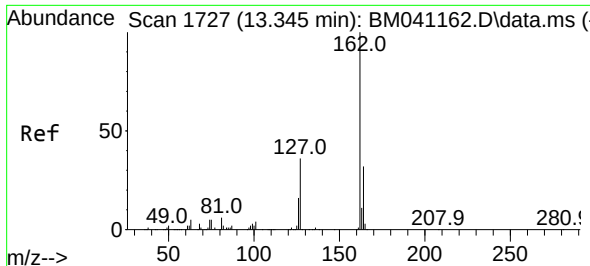
Ion Ratio Lower Upper

154 100

153 39.7 20.5 60.5

76 12.7 0.0 34.1

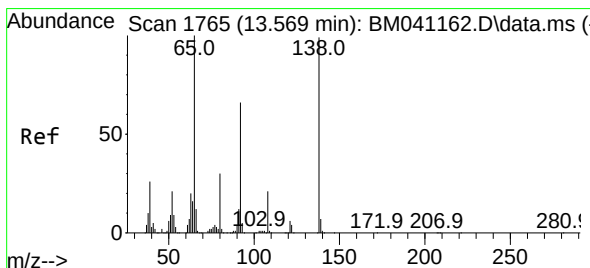
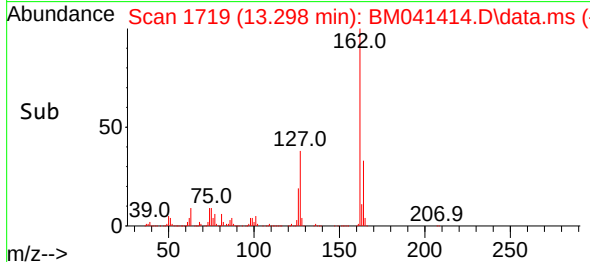
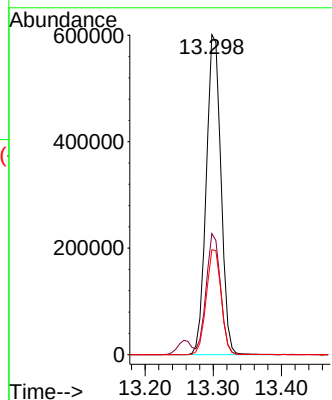
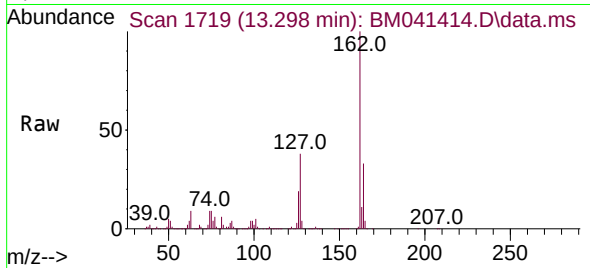




#47
2-Chloronaphthalene
Concen: 38.064 ng
RT: 13.298 min Scan# 1719
Delta R.T. -0.018 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

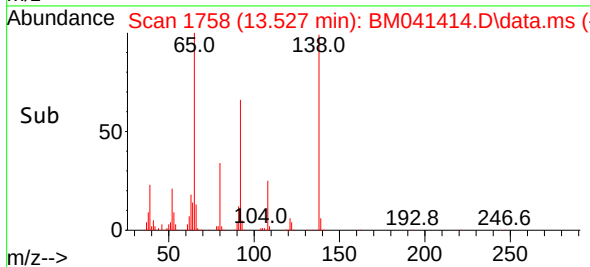
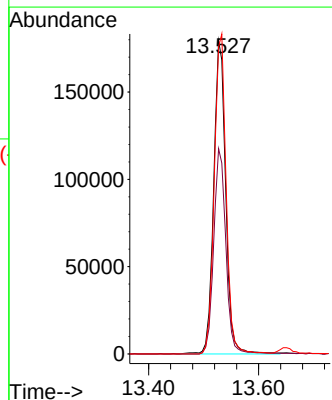
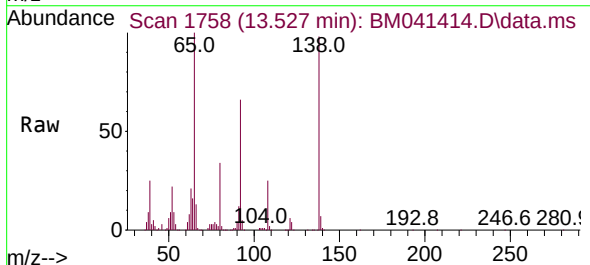
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

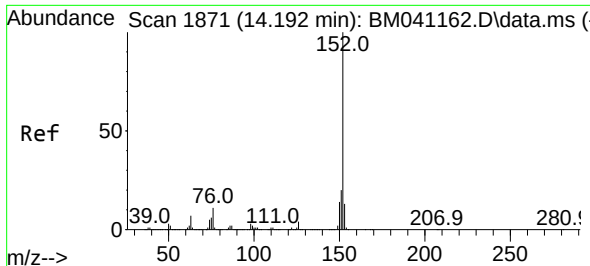
Tgt Ion:162 Resp: 900951
Ion Ratio Lower Upper
162 100
127 37.8 30.6 45.8
164 32.8 25.6 38.4



#48
2-Nitroaniline
Concen: 35.942 ng
RT: 13.527 min Scan# 1758
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion: 65 Resp: 271552
Ion Ratio Lower Upper
65 100
92 65.5 53.0 79.4
138 98.0 79.1 118.7

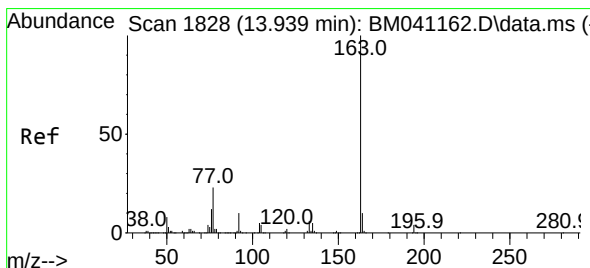
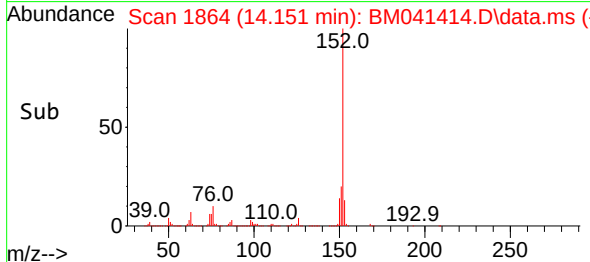
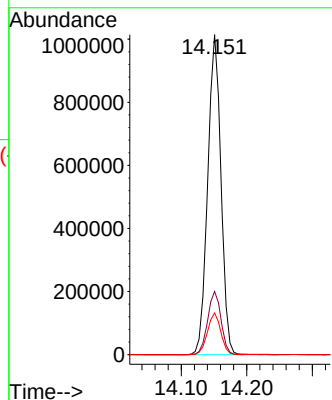
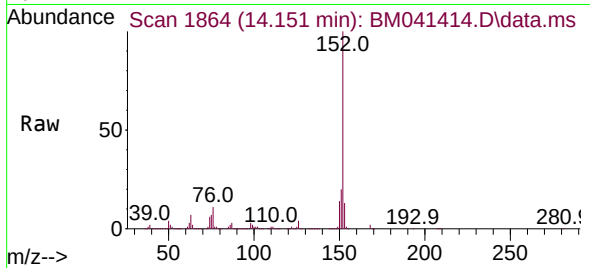




#49
Acenaphthylene
Concen: 37.107 ng
RT: 14.151 min Scan# 1864
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

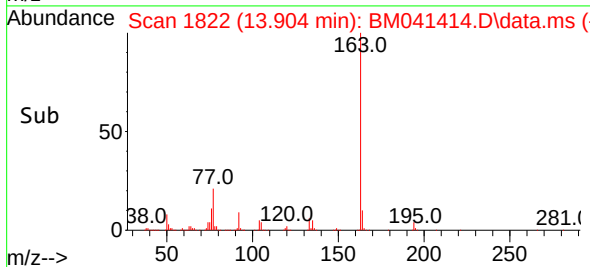
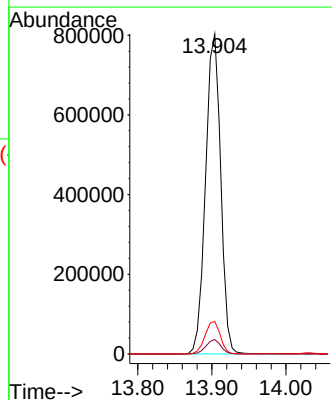
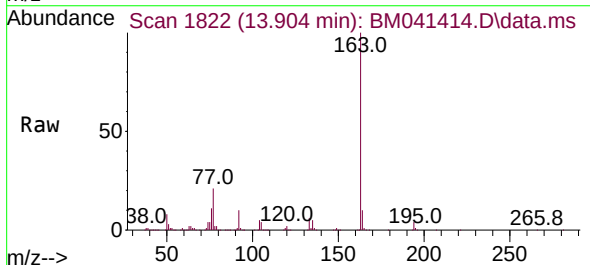
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

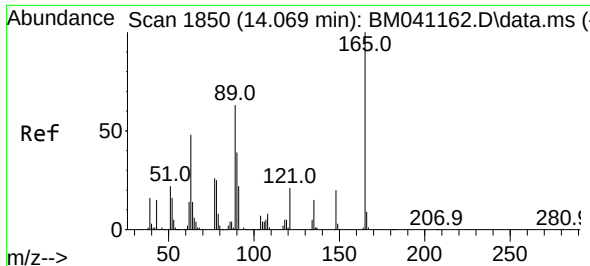
Tgt Ion:152 Resp: 1417643
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 13.0 10.5 15.7



#50
Dimethylphthalate
Concen: 38.603 ng
RT: 13.904 min Scan# 1822
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:163 Resp: 1135446
Ion Ratio Lower Upper
163 100
194 4.5 3.3 4.9
164 10.1 8.3 12.5

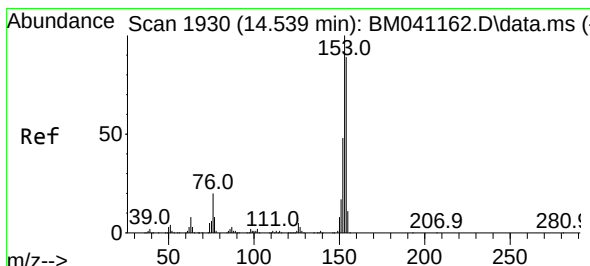
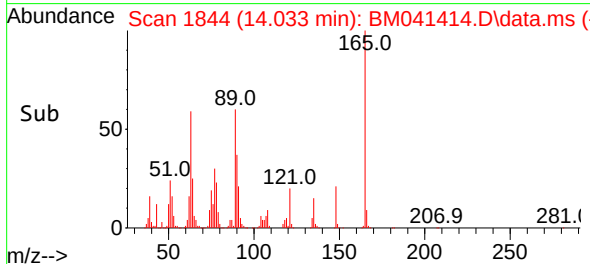
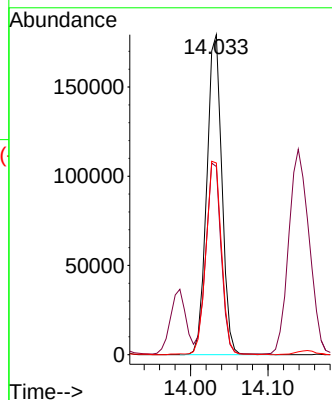
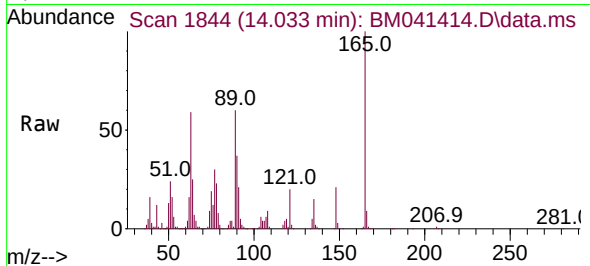




#51
2,6-Dinitrotoluene
Concen: 39.791 ng
RT: 14.033 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

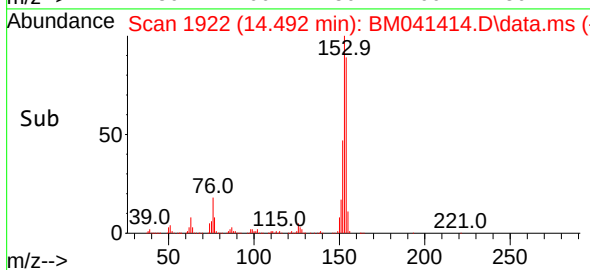
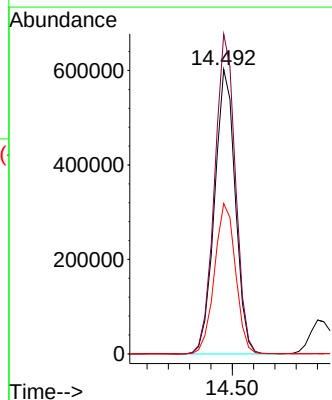
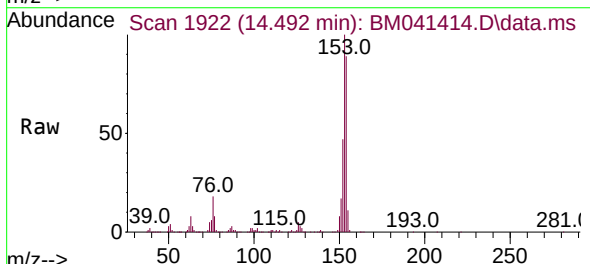
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

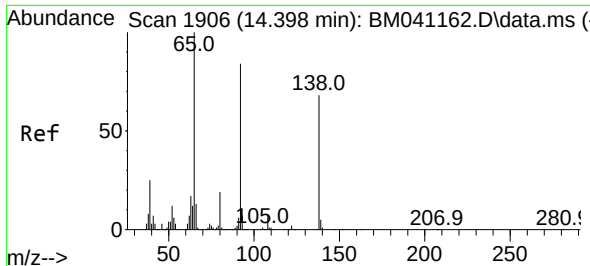
Tgt Ion:165 Resp: 242505
Ion Ratio Lower Upper
165 100
63 58.8 50.9 76.3
89 59.9 50.6 76.0



#52
Acenaphthene
Concen: 35.411 ng
RT: 14.492 min Scan# 1922
Delta R.T. -0.018 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:154 Resp: 814975
Ion Ratio Lower Upper
154 100
153 112.4 90.2 135.4
152 52.8 43.4 65.0

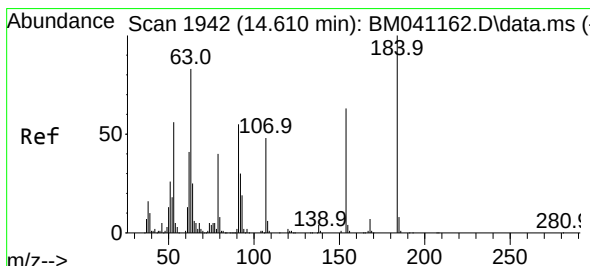
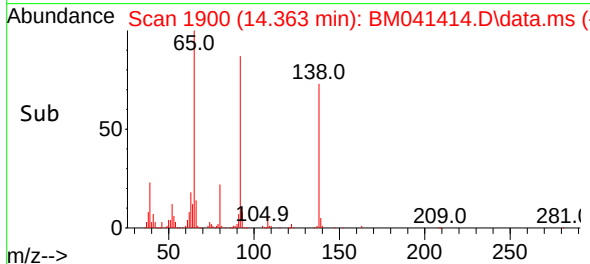
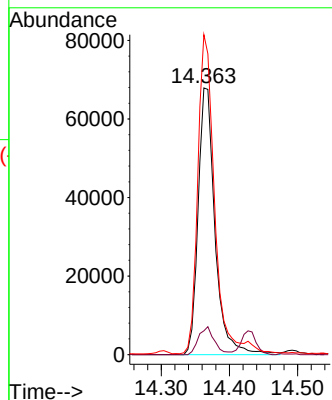
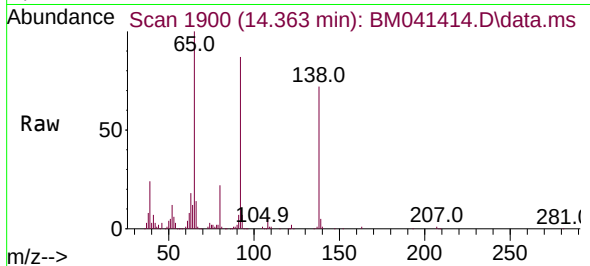




#53
3-Nitroaniline
Concen: 18.282 ng
RT: 14.363 min Scan# 1906
Delta R.T. -0.018 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

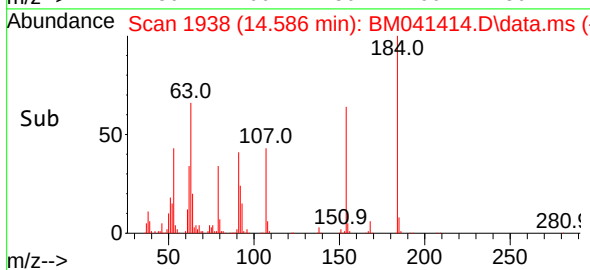
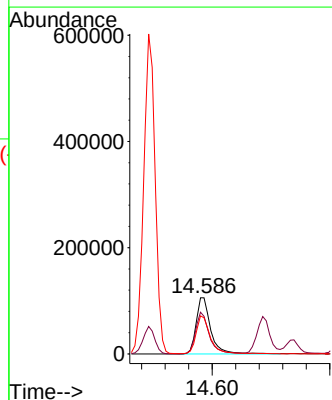
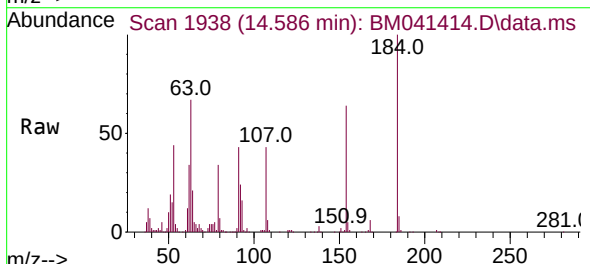
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

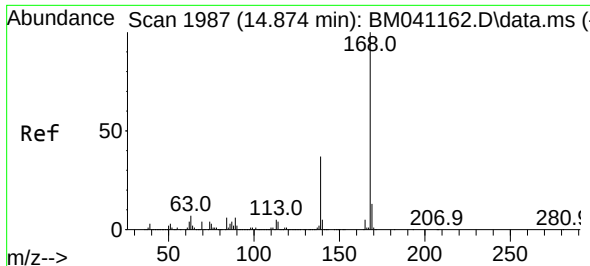
Tgt Ion:138 Resp: 117035
Ion Ratio Lower Upper
138 100
108 8.9 7.6 11.4
92 120.0 98.9 148.3



#54
2,4-Dinitrophenol
Concen: 46.561 ng
RT: 14.586 min Scan# 1938
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:184 Resp: 180798
Ion Ratio Lower Upper
184 100
63 66.8 66.5 99.7
154 64.2 52.8 79.2

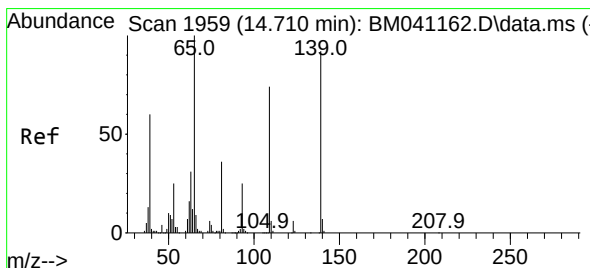
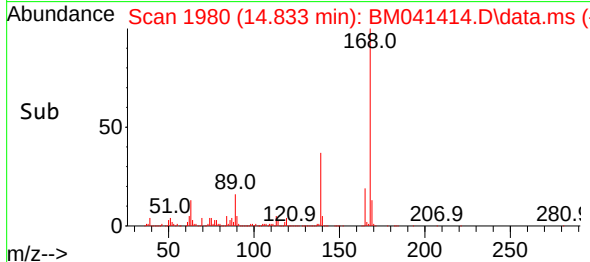
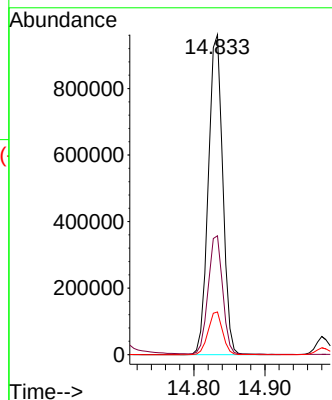
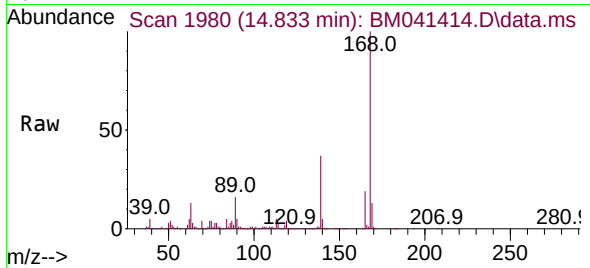




#55
Dibenzofuran
Concen: 35.898 ng
RT: 14.833 min Scan# 1980
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

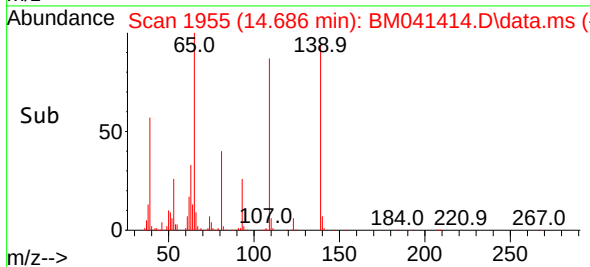
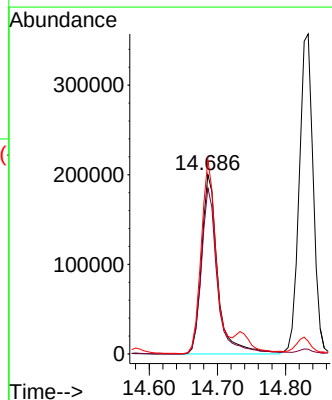
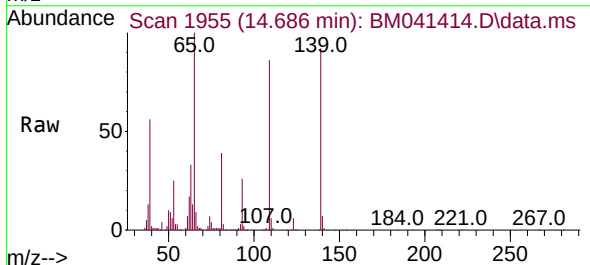
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

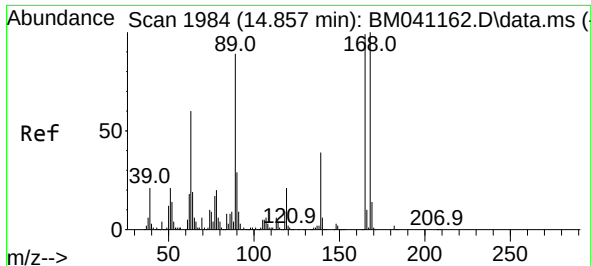
Tgt Ion:168 Resp: 1347960
Ion Ratio Lower Upper
168 100
139 37.1 29.8 44.6
169 13.3 10.5 15.7



#56
4-Nitrophenol
Concen: 65.025 ng
RT: 14.686 min Scan# 1955
Delta R.T. -0.018 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:139 Resp: 330275
Ion Ratio Lower Upper
139 100
109 92.6 61.2 101.2
65 108.3 89.5 129.5





#57

2,4-Dinitrotoluene

Concen: 38.298 ng

RT: 14.827 min Scan# 19

Delta R.T. -0.012 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD

Tgt Ion:165 Resp: 328342

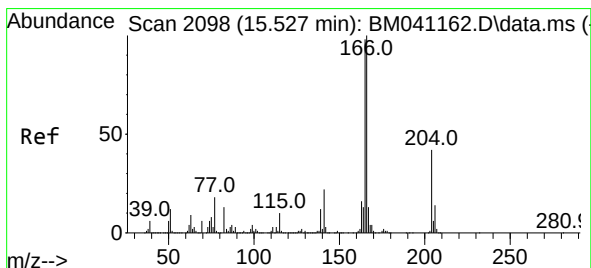
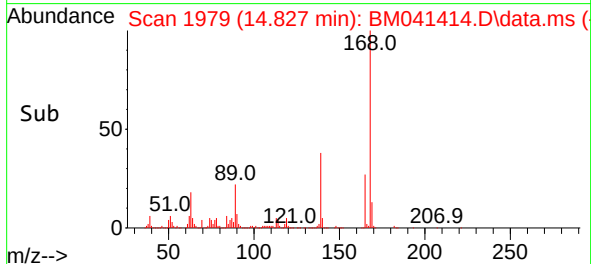
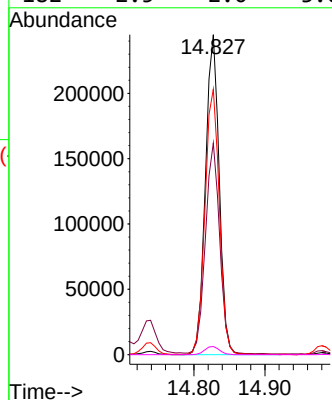
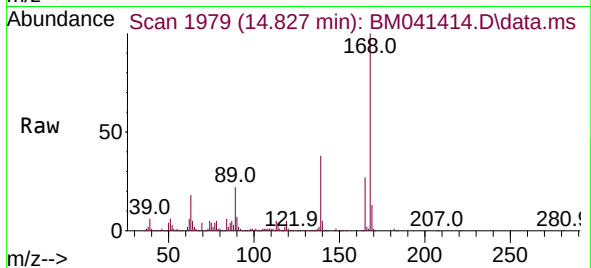
Ion Ratio Lower Upper

165 100

63 66.1 48.3 72.5

89 82.9 71.8 107.8

182 2.5 2.0 3.0



#58

Fluorene

Concen: 36.486 ng

RT: 15.486 min Scan# 2091

Delta R.T. -0.012 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

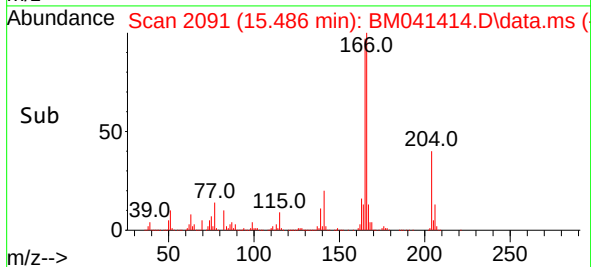
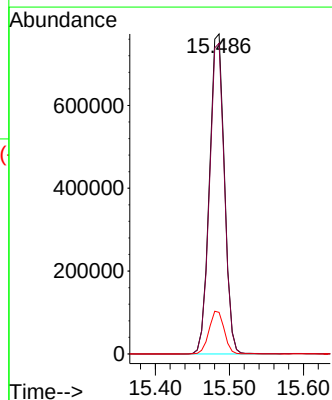
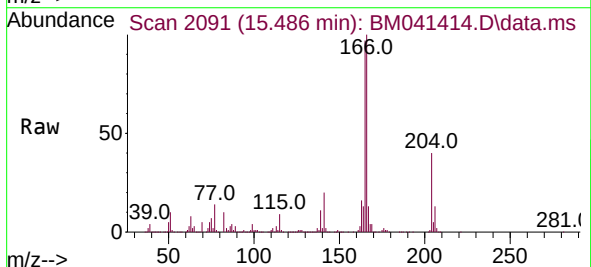
Tgt Ion:166 Resp: 1080808

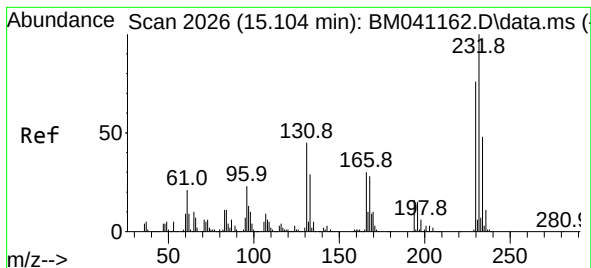
Ion Ratio Lower Upper

166 100

165 97.1 78.2 117.4

167 13.0 10.6 16.0

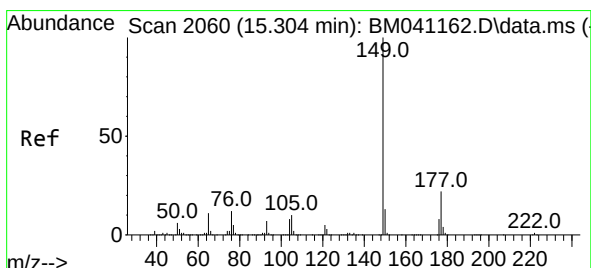
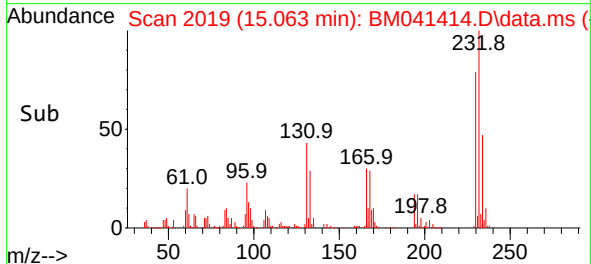
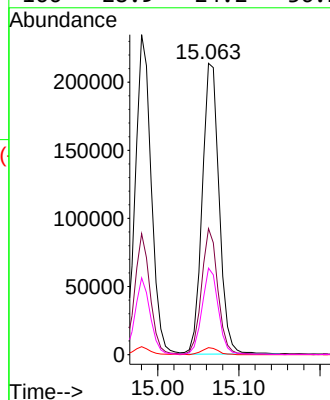
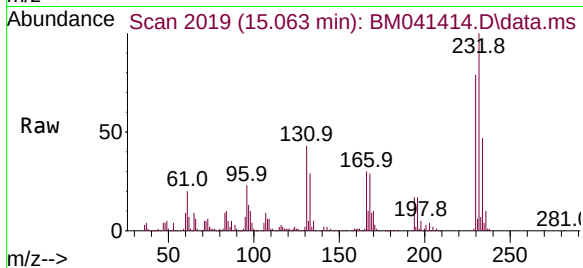




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.614 ng
RT: 15.063 min Scan# 20
Delta R.T. -0.018 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

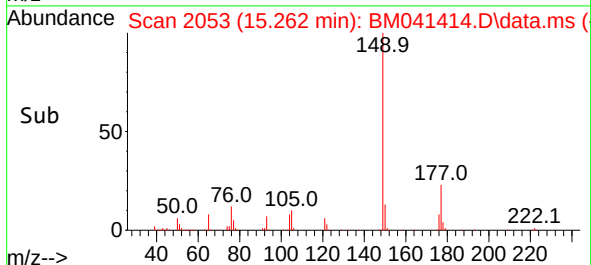
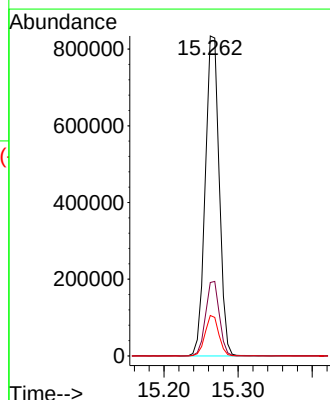
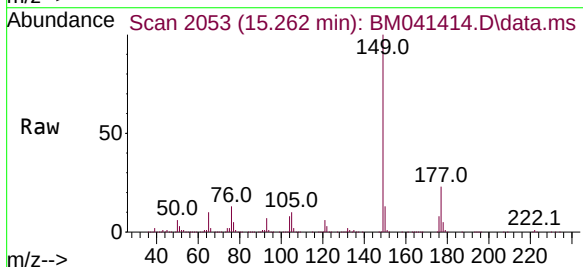
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

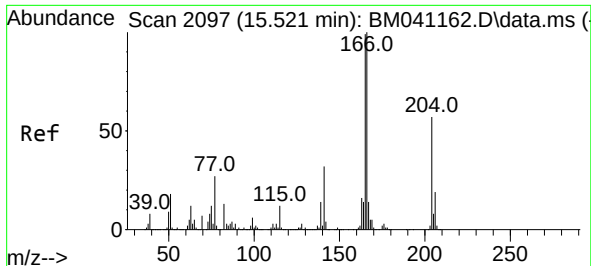
Tgt Ion:232 Resp: 309772
Ion Ratio Lower Upper
232 100
131 41.5 36.9 55.3
130 2.3 2.0 3.0
166 28.9 24.2 36.2



#60
Diethylphthalate
Concen: 38.221 ng
RT: 15.262 min Scan# 2053
Delta R.T. -0.018 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:149 Resp: 1087152
Ion Ratio Lower Upper
149 100
177 22.9 17.5 26.3
150 12.6 10.1 15.1

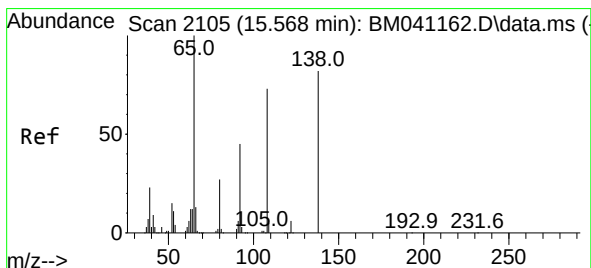
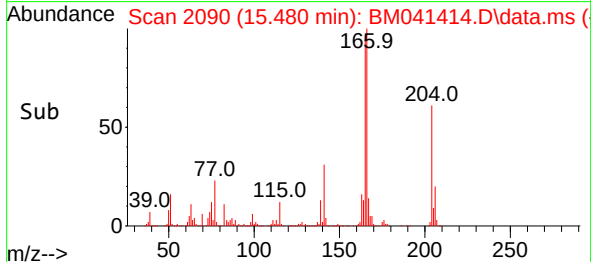
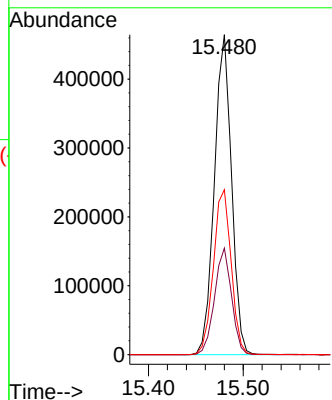
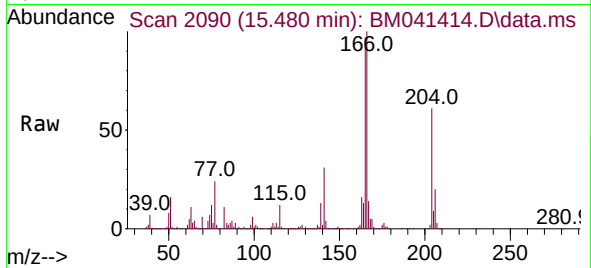




#61
4-Chlorophenyl-phenylether
Concen: 39.374 ng
RT: 15.480 min Scan# 2097
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

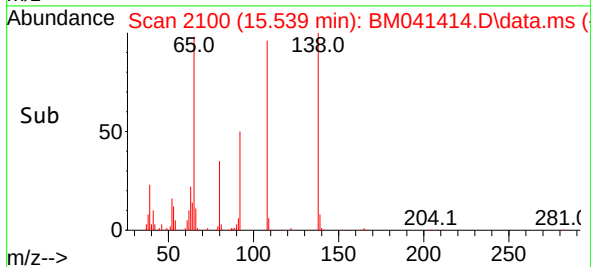
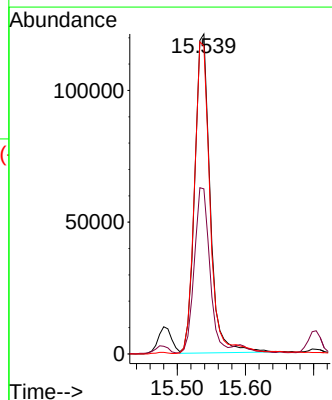
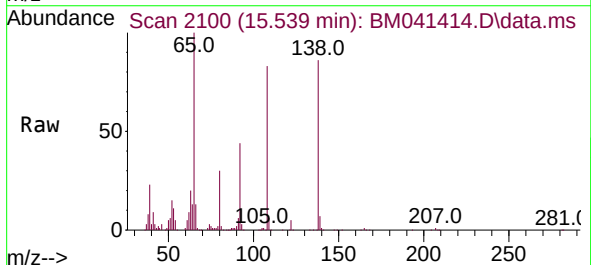
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

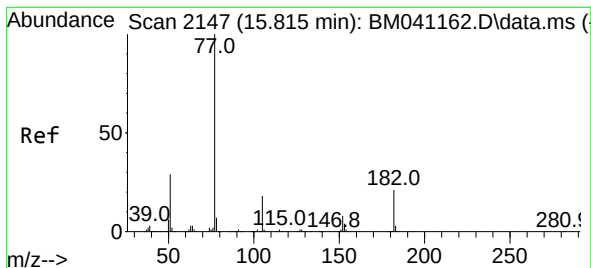
Tgt Ion:204 Resp: 584475
Ion Ratio Lower Upper
204 100
206 33.3 26.5 39.7
141 51.5 44.8 67.2



#62
4-Nitroaniline
Concen: 30.822 ng
RT: 15.539 min Scan# 2100
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:138 Resp: 189784
Ion Ratio Lower Upper
138 100
92 51.6 35.1 75.1
108 96.2 67.8 107.8





#63

Azobenzene

Concen: 34.702 ng

RT: 15.774 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD

Tgt Ion: 77 Resp: 1081214

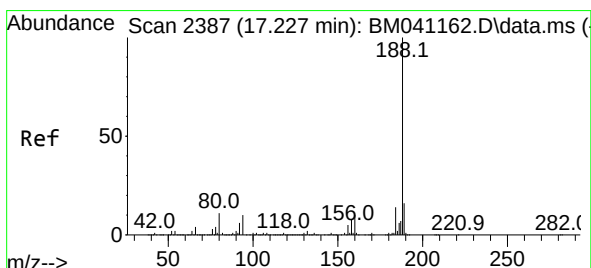
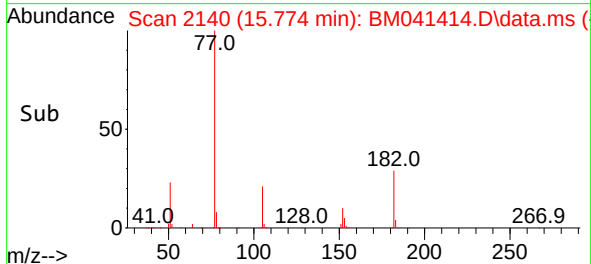
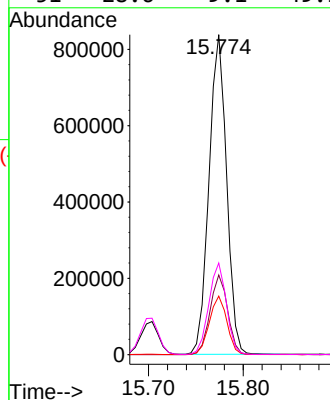
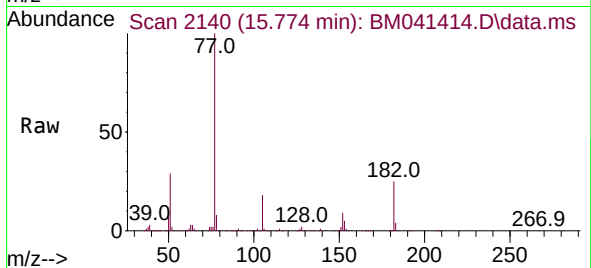
Ion Ratio Lower Upper

77 100

182 24.9 1.3 41.3

105 18.3 0.0 38.5

51 28.6 9.1 49.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.186 min Scan# 2380

Delta R.T. -0.018 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

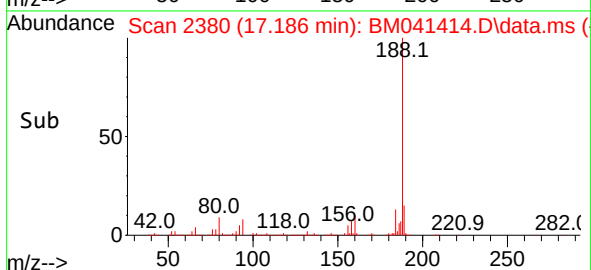
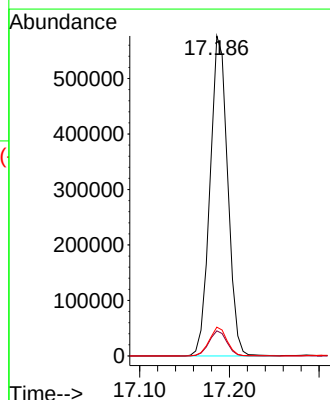
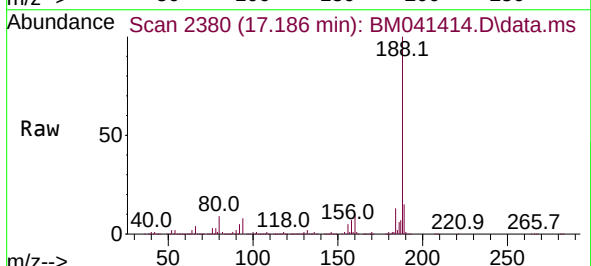
Tgt Ion:188 Resp: 792731

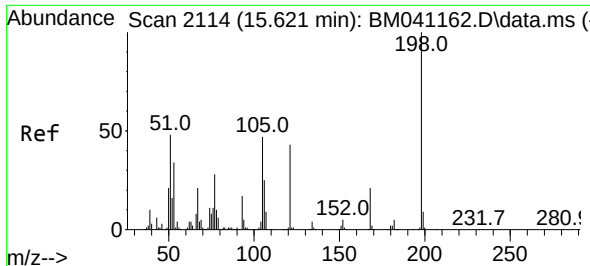
Ion Ratio Lower Upper

188 100

94 7.9 8.2 12.2#

80 9.0 8.6 13.0

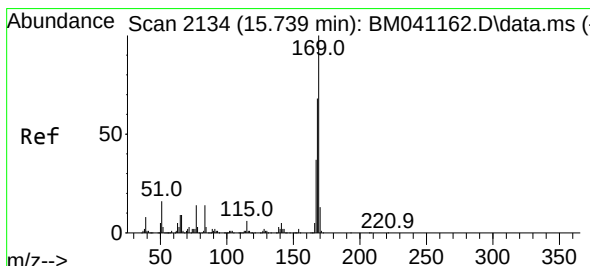
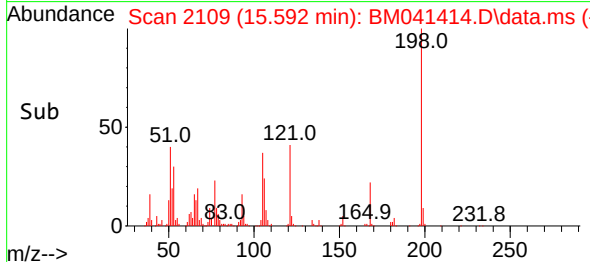
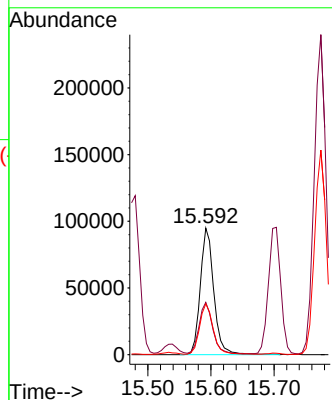
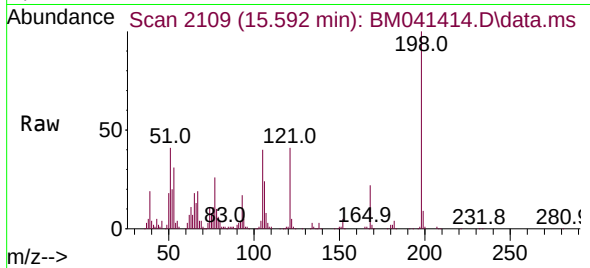




#65
4,6-Dinitro-2-methylphenol
Concen: 29.266 ng
RT: 15.592 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

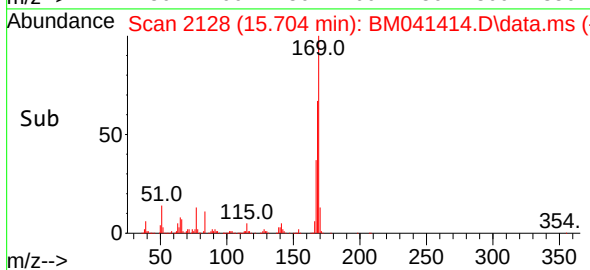
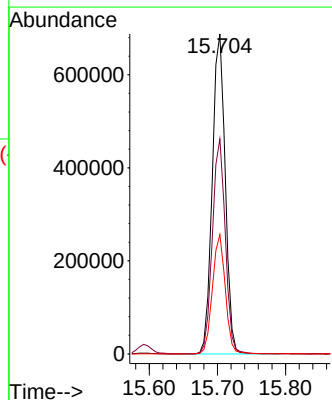
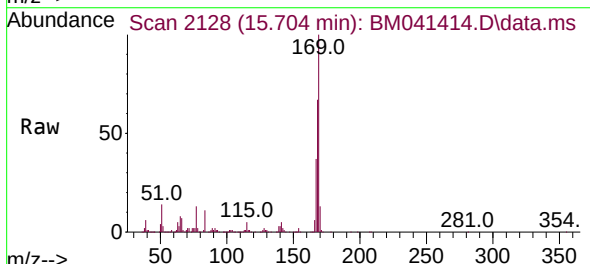
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

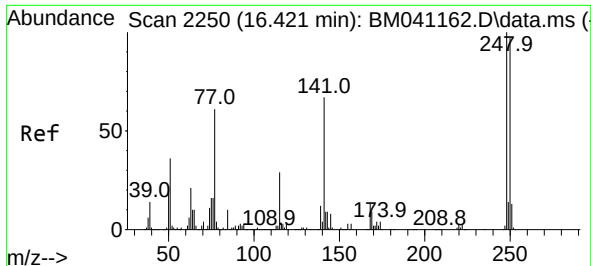
Tgt Ion:198 Resp: 140547
Ion Ratio Lower Upper
198 100
51 41.4 31.7 71.7
105 40.2 27.8 67.8



#66
n-Nitrosodiphenylamine
Concen: 36.804 ng
RT: 15.704 min Scan# 2128
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:169 Resp: 907379
Ion Ratio Lower Upper
169 100
168 67.2 54.6 81.8
167 37.3 29.9 44.9

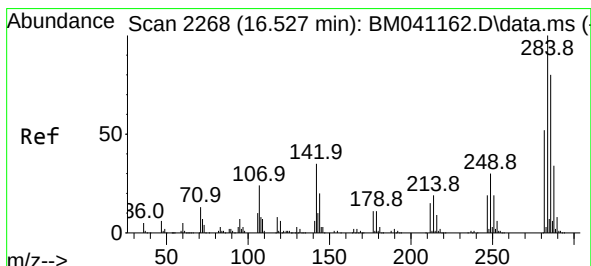
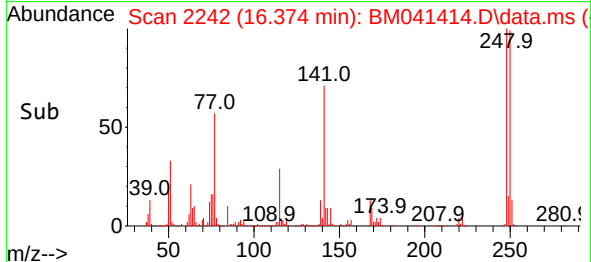
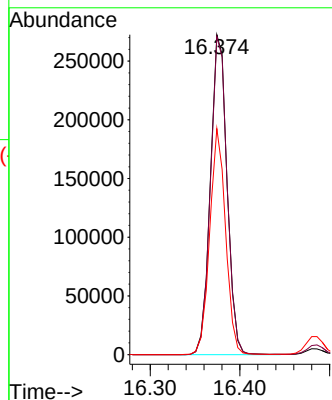
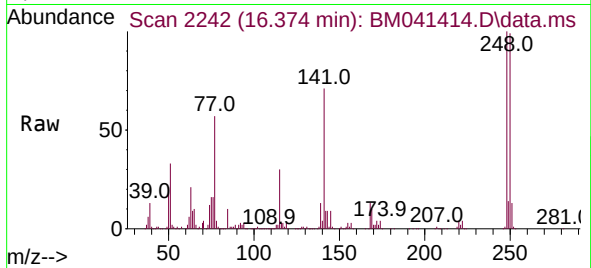




#67
4-Bromophenyl-phenylether
Concen: 40.496 ng
RT: 16.374 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

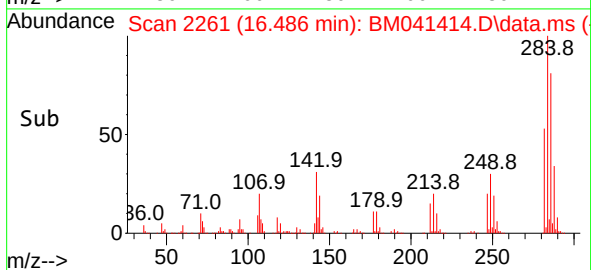
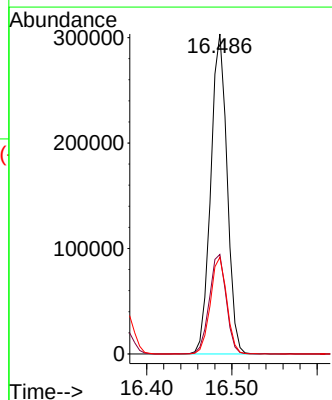
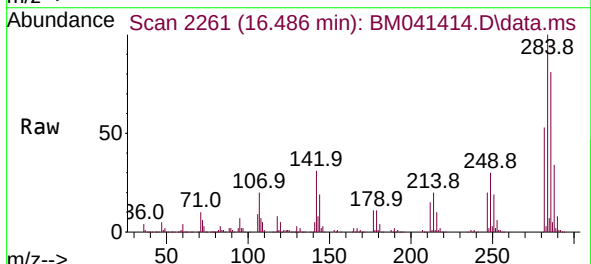
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

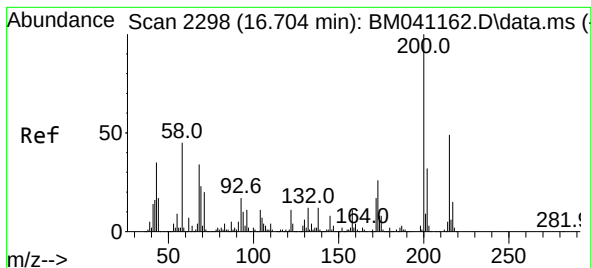
Tgt Ion:248 Resp: 351977
Ion Ratio Lower Upper
248 100
250 99.4 78.0 117.0
141 70.6 53.8 80.8



#68
Hexachlorobenzene
Concen: 41.764 ng
RT: 16.486 min Scan# 2261
Delta R.T. -0.018 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:284 Resp: 403644
Ion Ratio Lower Upper
284 100
142 31.1 28.0 42.0
249 30.2 23.7 35.5





#69

Atrazine

Concen: 52.152 ng

RT: 16.662 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM041414.D

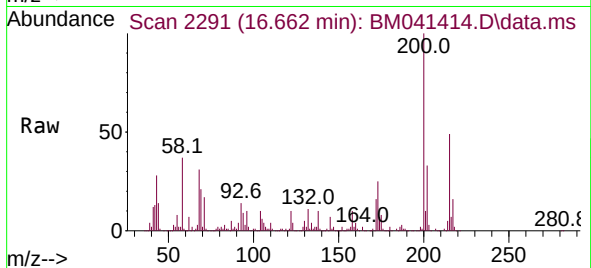
Acq: 15 Aug 2023 20:11

Instrument :

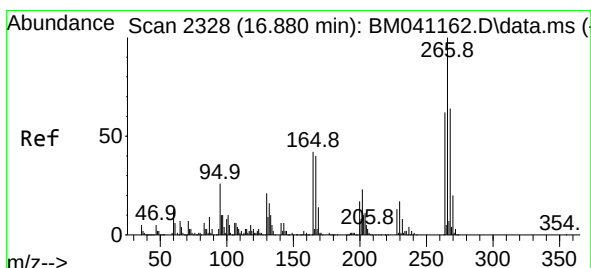
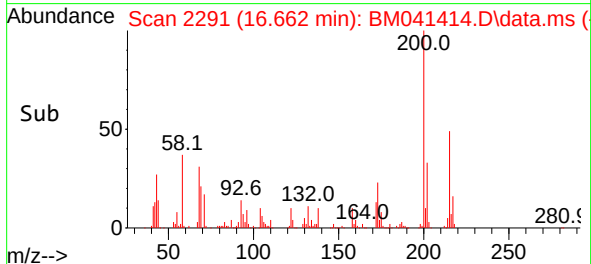
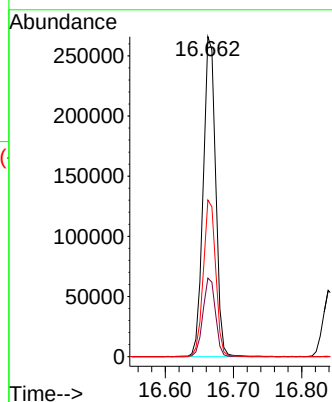
BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD



Tgt Ion:	200	Resp:	337665
Ion Ratio	Lower	Upper	
200	100		
173	24.6	5.6	45.6
215	48.9	28.5	68.5



#70

Pentachlorophenol

Concen: 67.970 ng

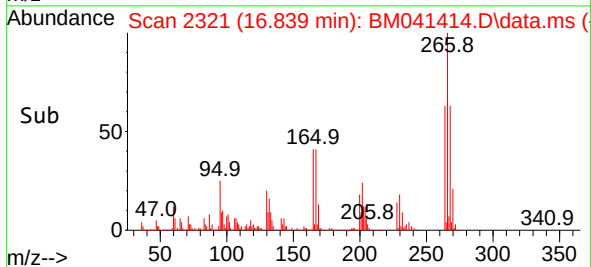
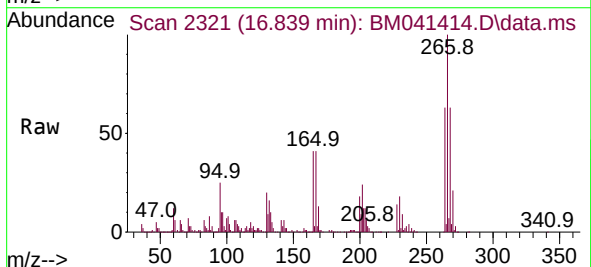
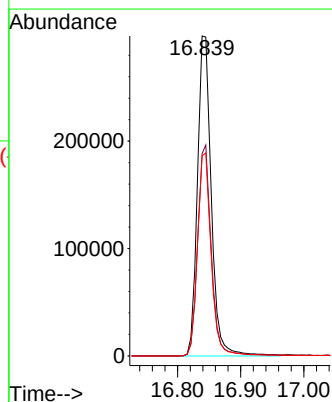
RT: 16.839 min Scan# 2321

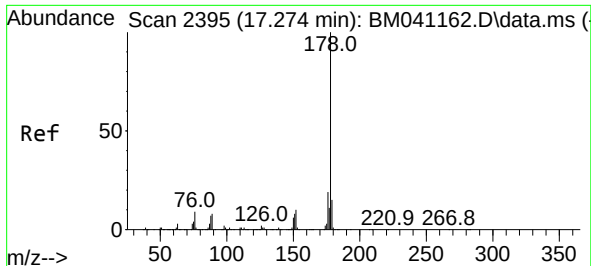
Delta R.T. -0.018 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

Tgt Ion:	266	Resp:	454888
Ion Ratio	Lower	Upper	
266	100		
268	63.3	51.0	76.6
264	62.6	49.4	74.2

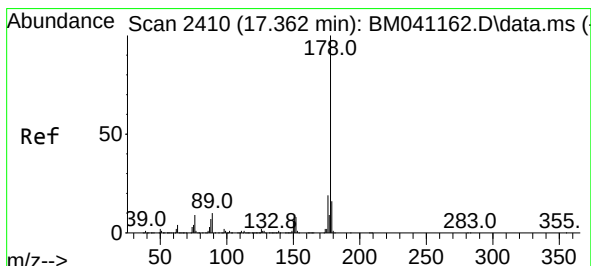
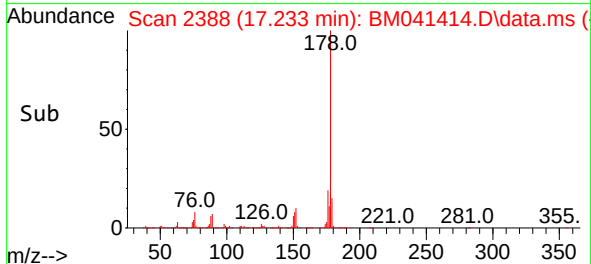
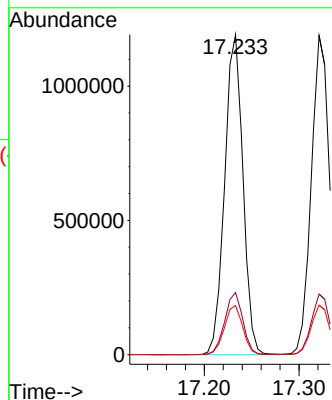
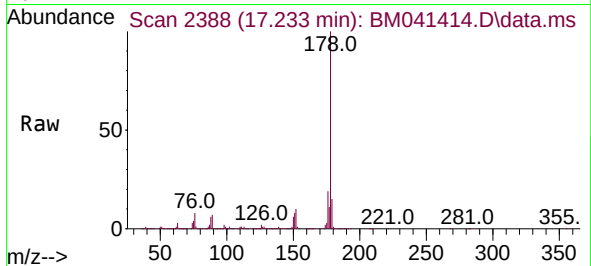




#71
Phenanthrene
Concen: 36.215 ng
RT: 17.233 min Scan# 2403
Delta R.T. -0.012 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

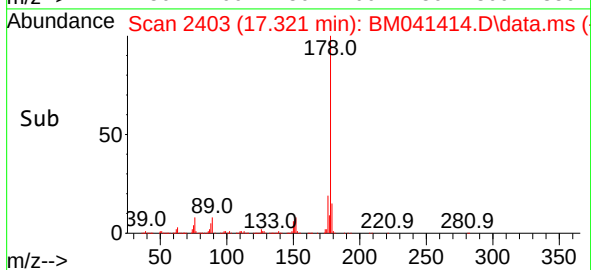
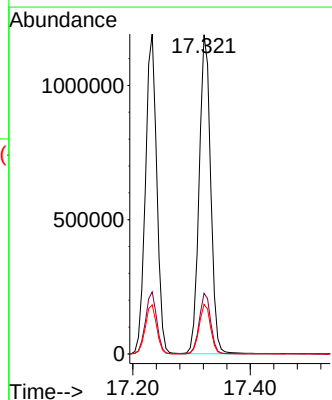
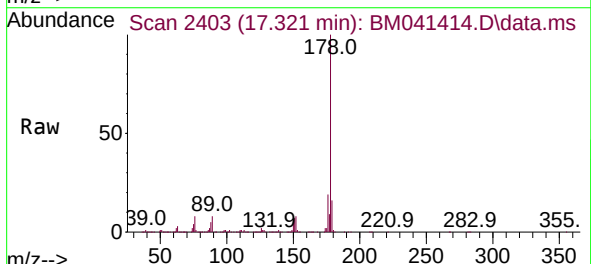
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

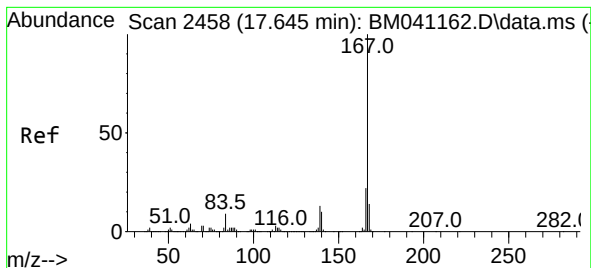
Tgt Ion:178 Resp: 1595061
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.3 12.1 18.1



#72
Anthracene
Concen: 36.874 ng
RT: 17.321 min Scan# 2403
Delta R.T. -0.018 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:178 Resp: 1606263
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.5 12.4 18.6





#73

Carbazole

Concen: 36.527 ng

RT: 17.604 min Scan# 24

Delta R.T. -0.018 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD

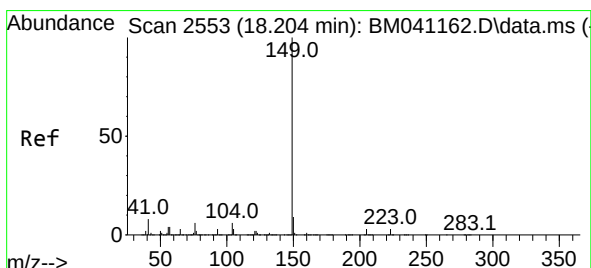
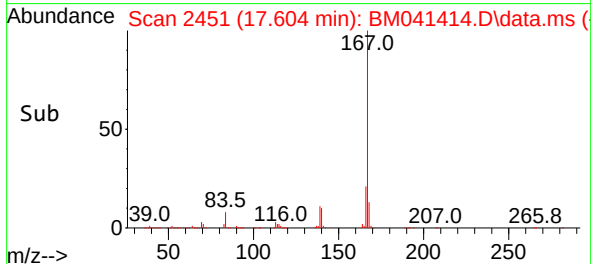
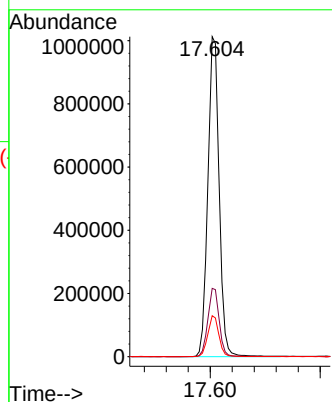
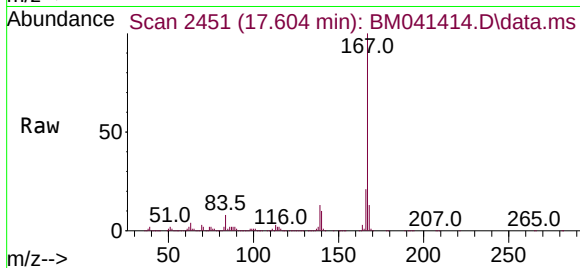
Tgt Ion:167 Resp: 1440134

Ion Ratio Lower Upper

167 100

166 21.4 17.3 25.9

139 12.8 10.3 15.5



#74

Di-n-butylphthalate

Concen: 40.858 ng

RT: 18.162 min Scan# 2546

Delta R.T. -0.018 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

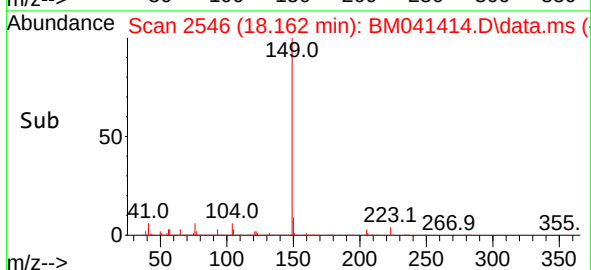
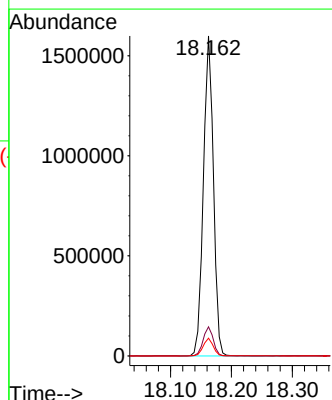
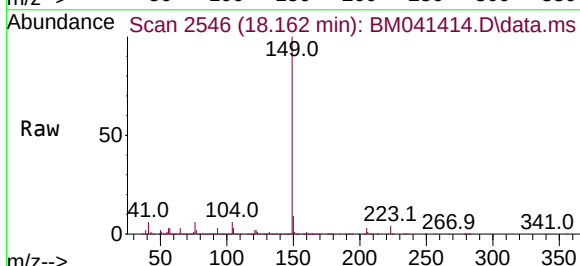
Tgt Ion:149 Resp: 1820329

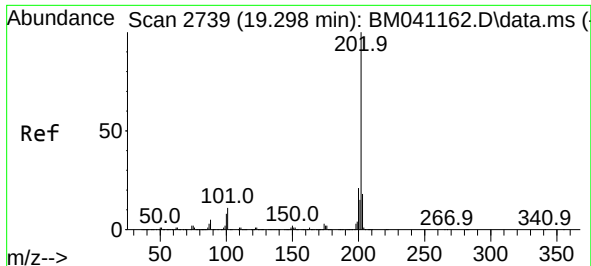
Ion Ratio Lower Upper

149 100

150 9.1 7.3 10.9

104 5.5 4.5 6.7

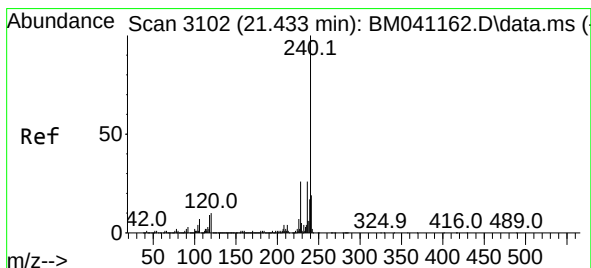
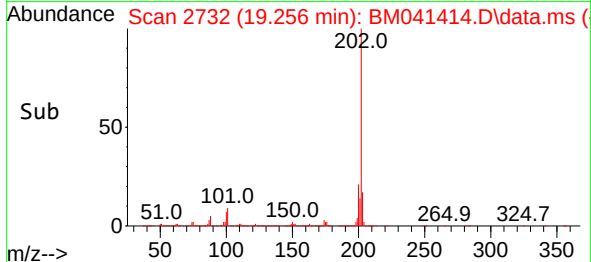
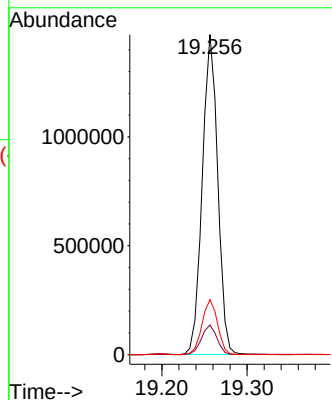
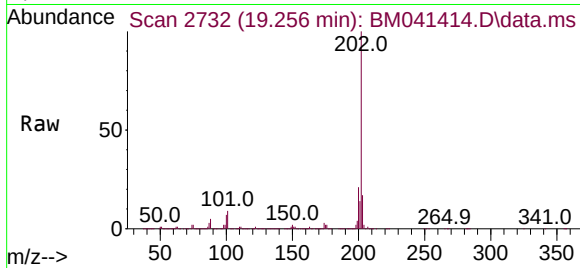




#75
Fluoranthene
Concen: 37.403 ng
RT: 19.256 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

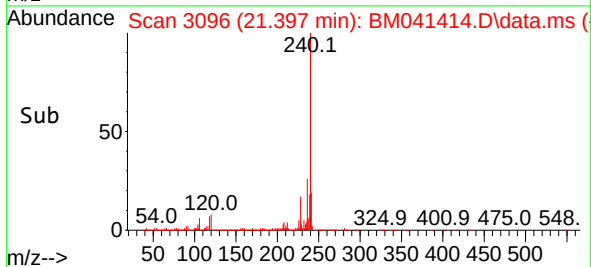
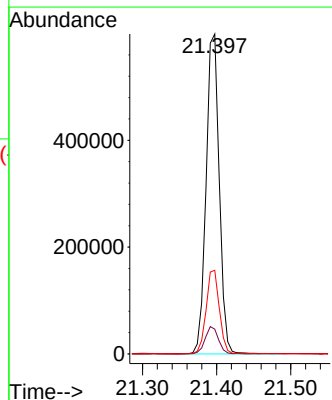
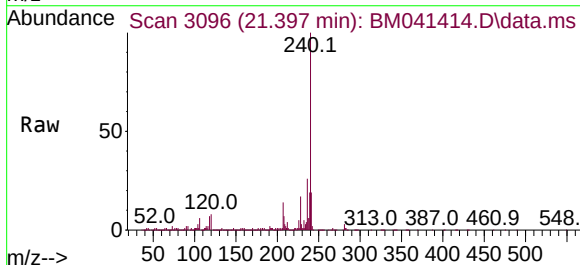
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

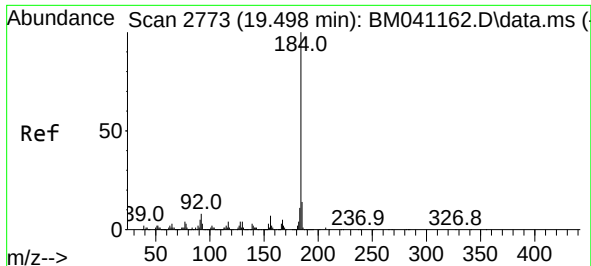
Tgt Ion:202 Resp: 1850816
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.8
203 17.2 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3096
Delta R.T. -0.018 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:240 Resp: 737628
Ion Ratio Lower Upper
240 100
120 7.7 8.3 12.5#
236 26.2 20.6 30.8

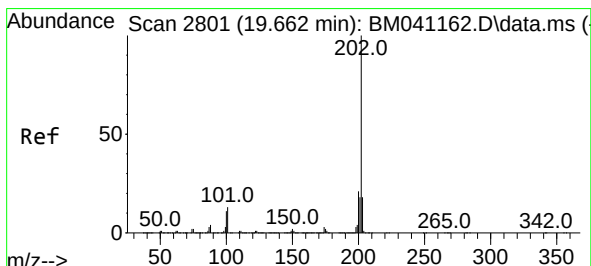
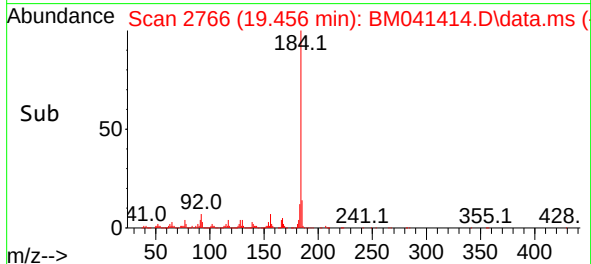
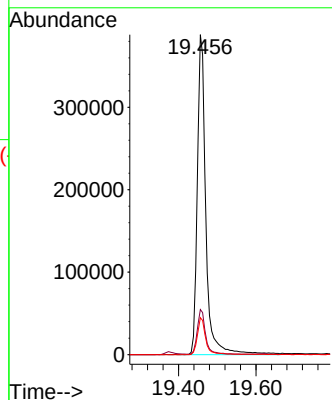
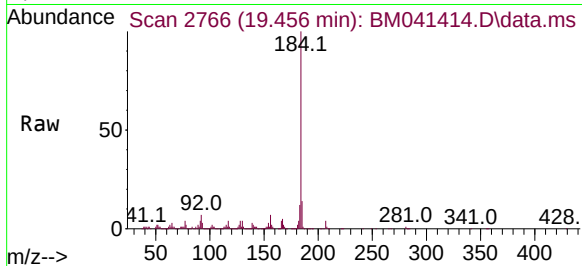




#77
Benzidine
Concen: 58.957 ng
RT: 19.456 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

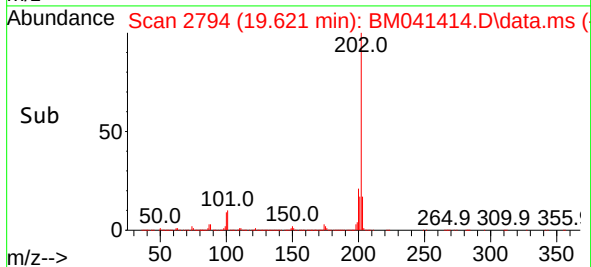
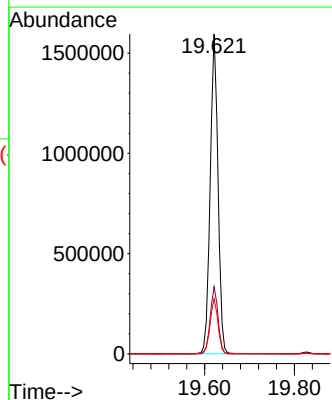
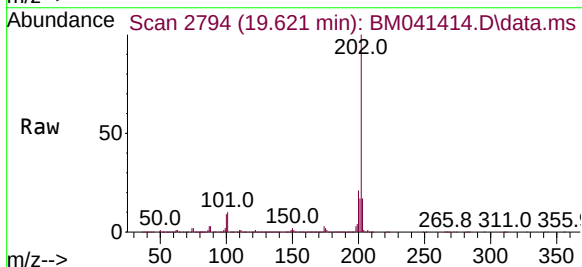
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

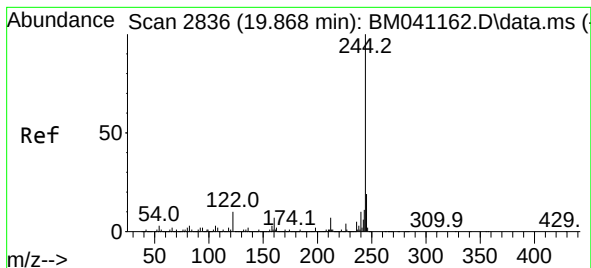
Tgt Ion:184 Resp: 592743
Ion Ratio Lower Upper
184 100
185 14.1 11.4 17.0
183 11.5 9.2 13.8



#78
Pyrene
Concen: 37.251 ng
RT: 19.621 min Scan# 2794
Delta R.T. -0.018 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:202 Resp: 1921522
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.2 14.1 21.1





#79

Terphenyl-d14

Concen: 75.694 ng

RT: 19.827 min Scan# 2836

Delta R.T. -0.018 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD

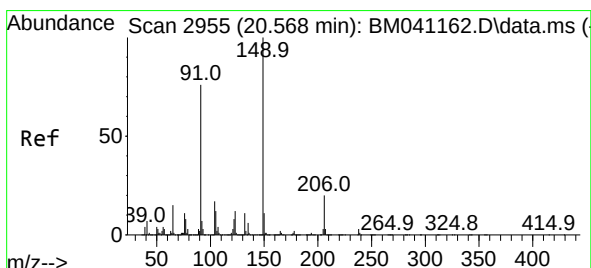
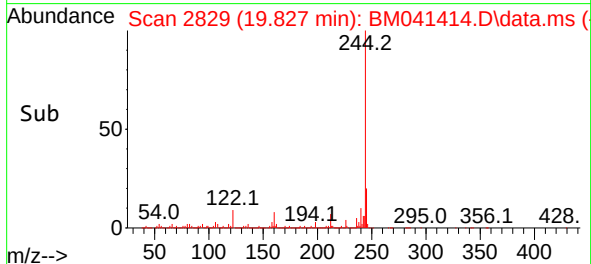
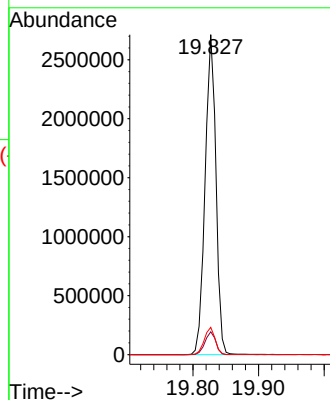
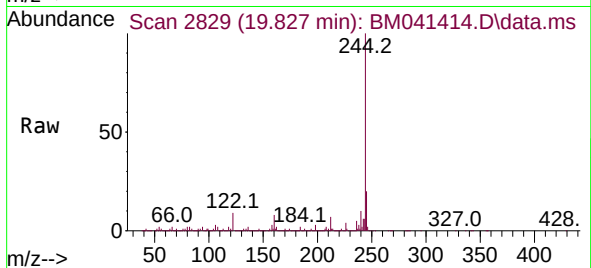
Tgt Ion:244 Resp: 3088057

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 8.5 7.8 11.6



#80

Butylbenzylphthalate

Concen: 41.077 ng

RT: 20.527 min Scan# 2948

Delta R.T. -0.018 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

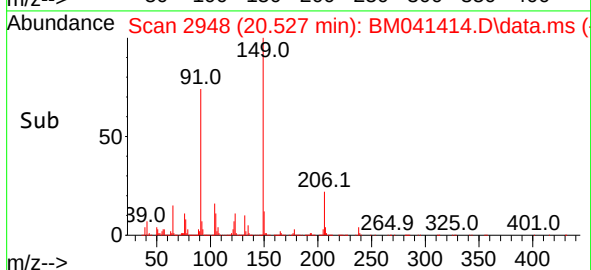
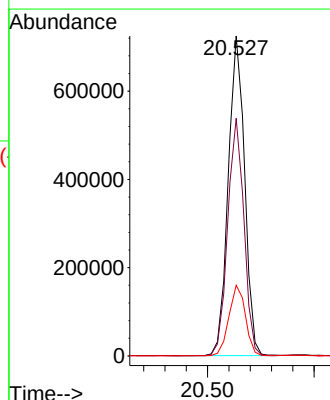
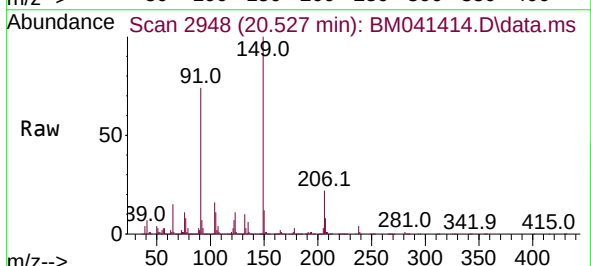
Tgt Ion:149 Resp: 773773

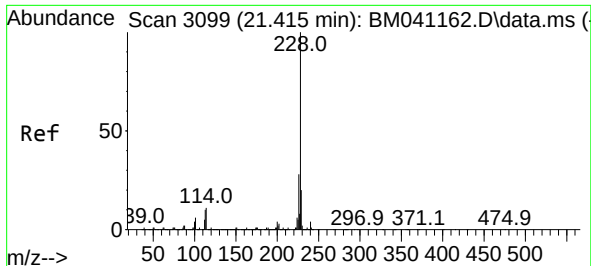
Ion Ratio Lower Upper

149 100

91 74.2 60.8 91.2

206 22.1 16.4 24.6

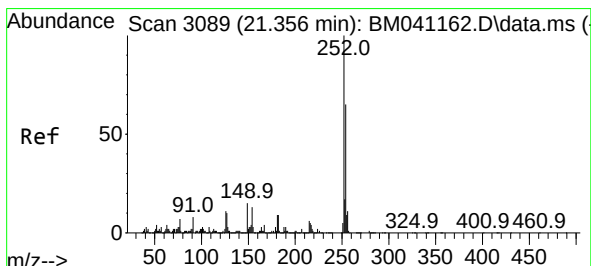
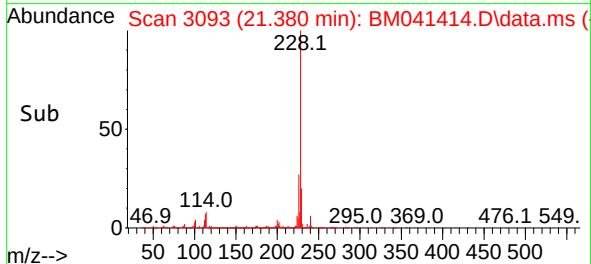
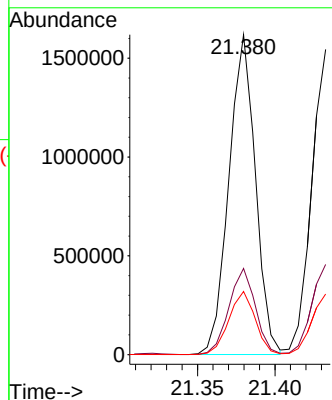
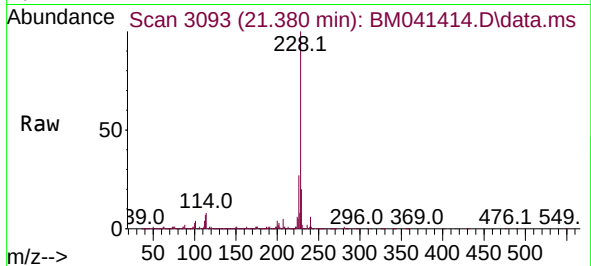




#81
Benzo(a)anthracene
Concen: 38.533 ng
RT: 21.380 min Scan# 3099
Delta R.T. -0.018 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

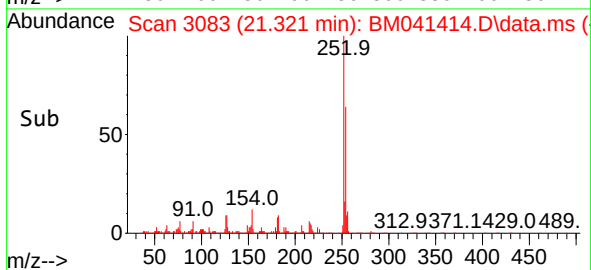
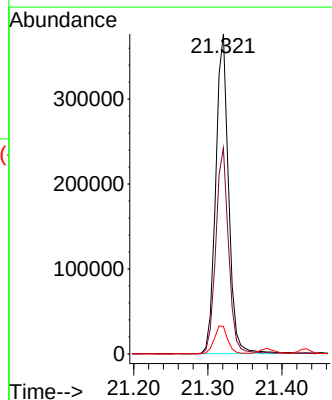
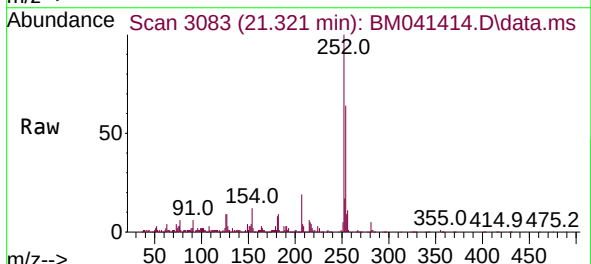
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

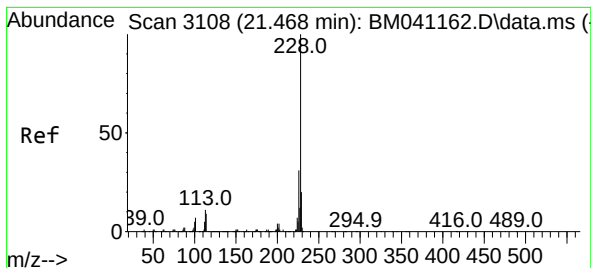
Tgt Ion:228 Resp: 1926830
Ion Ratio Lower Upper
228 100
226 26.9 22.4 33.6
229 19.7 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 27.804 ng
RT: 21.321 min Scan# 3083
Delta R.T. -0.018 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:252 Resp: 453683
Ion Ratio Lower Upper
252 100
254 64.4 51.8 77.6
126 8.6 8.6 13.0#





#83

Chrysene

Concen: 36.677 ng

RT: 21.433 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD

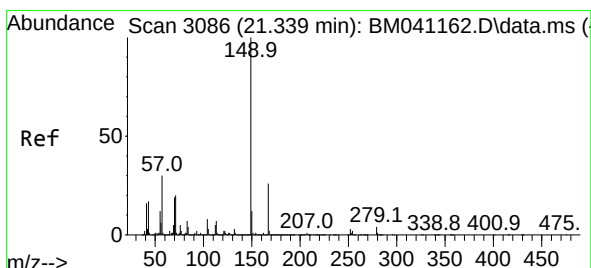
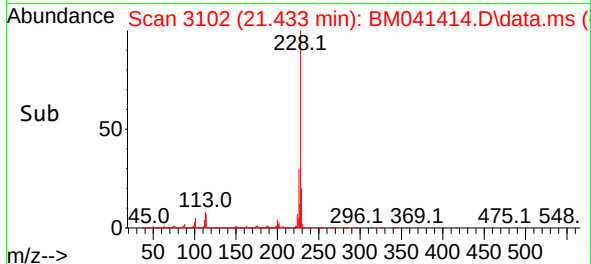
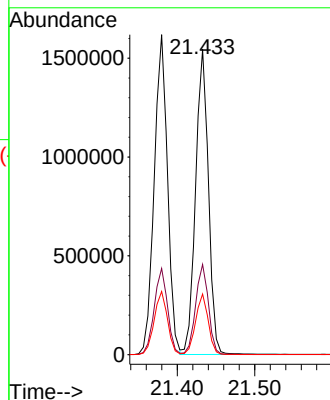
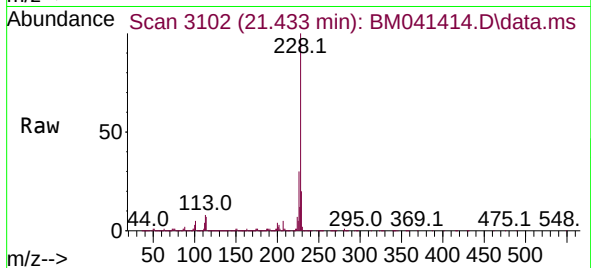
Tgt Ion:228 Resp: 1773966

Ion Ratio Lower Upper

228 100

226 29.6 24.5 36.7

229 19.8 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 39.215 ng

RT: 21.297 min Scan# 3079

Delta R.T. -0.024 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

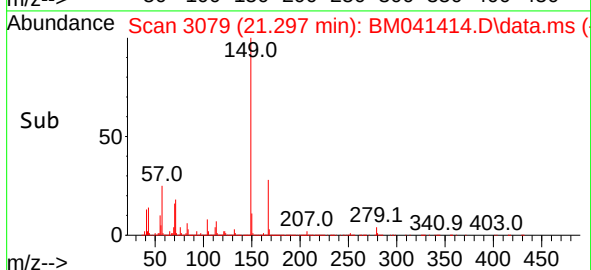
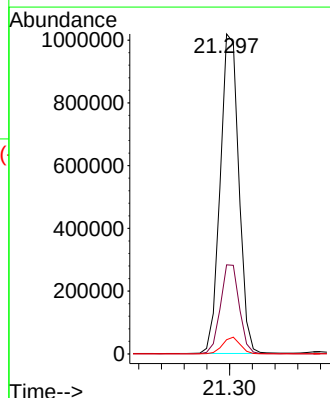
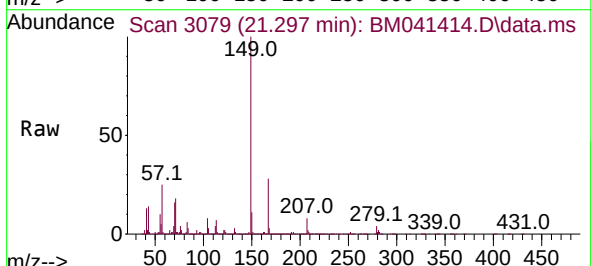
Tgt Ion:149 Resp: 1158430

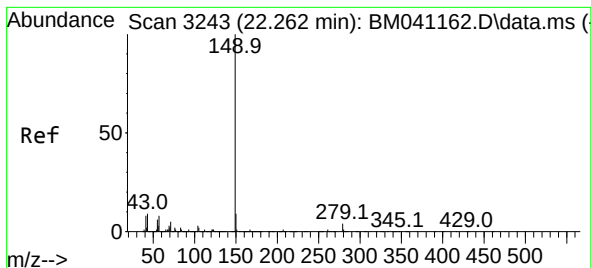
Ion Ratio Lower Upper

149 100

167 27.8 21.0 31.6

279 4.4 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 40.146 ng

RT: 22.215 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD

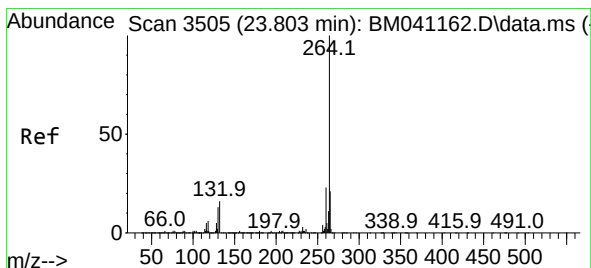
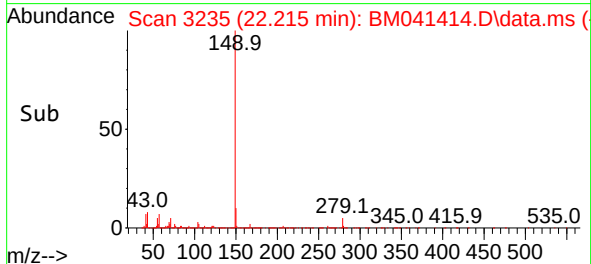
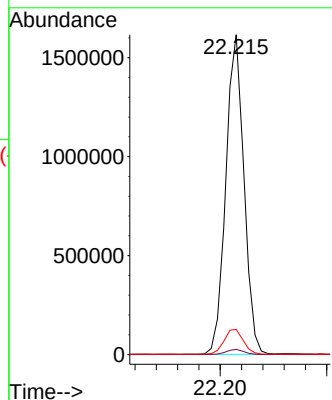
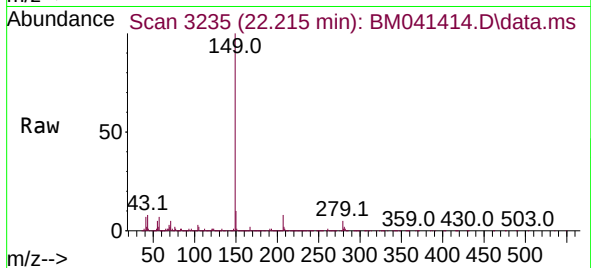
Tgt Ion:149 Resp: 1911291

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 8.3 8.3 12.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.756 min Scan# 3497

Delta R.T. -0.024 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

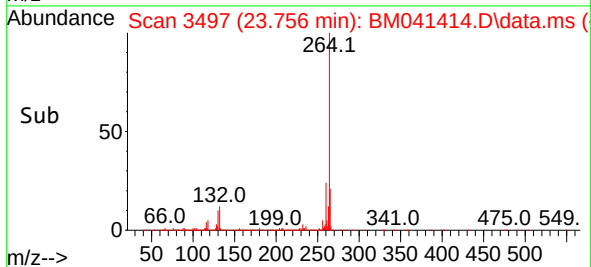
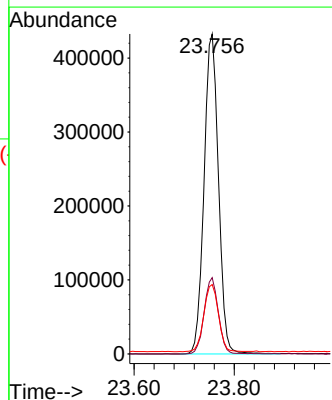
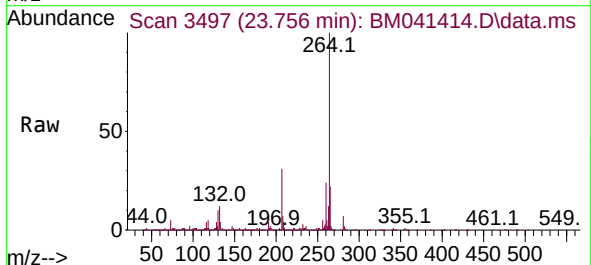
Tgt Ion:264 Resp: 862637

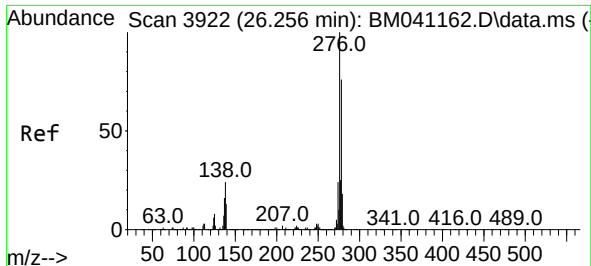
Ion Ratio Lower Upper

264 100

260 23.8 18.5 27.7

265 21.7 17.4 26.0

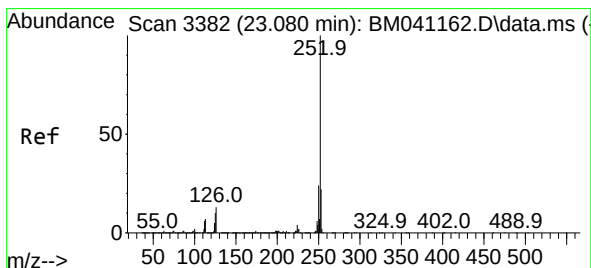
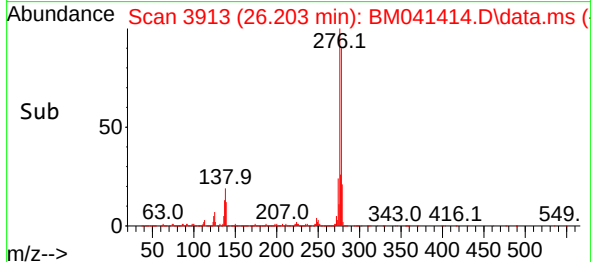
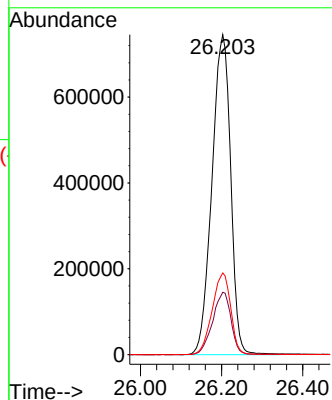
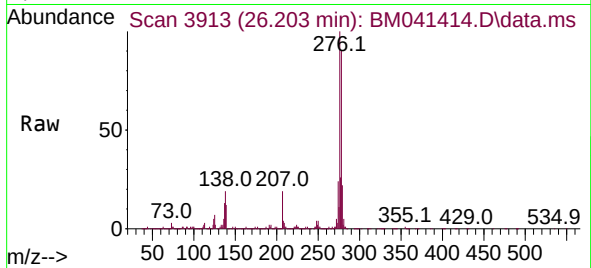




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.622 ng
RT: 26.203 min Scan# 3922
Delta R.T. -0.030 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

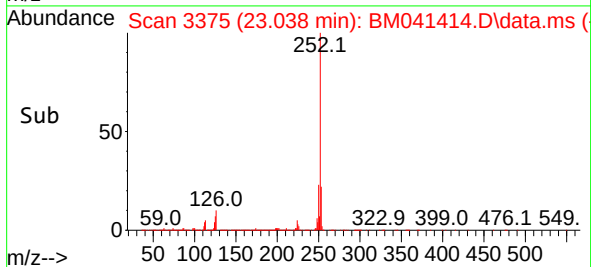
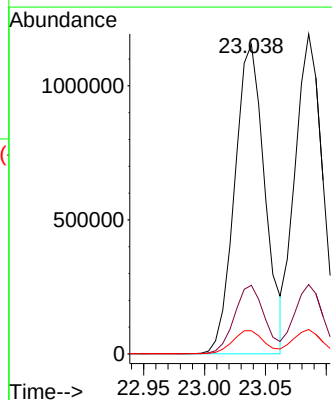
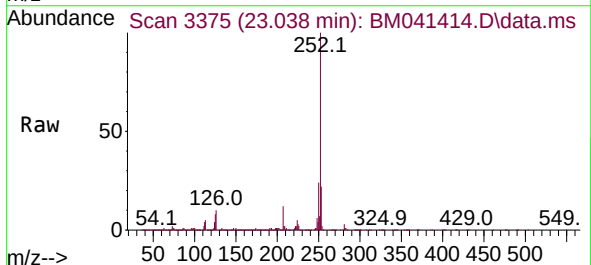
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

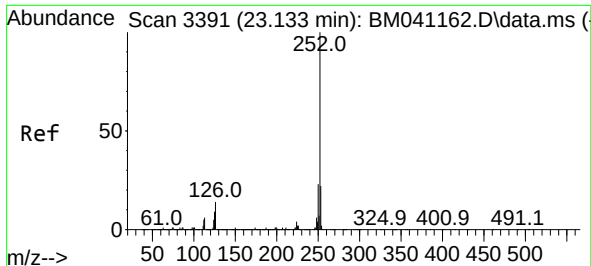
Tgt Ion:276 Resp: 2386046
Ion Ratio Lower Upper
276 100
138 19.2 20.0 30.0#
277 25.3 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 38.891 ng
RT: 23.038 min Scan# 3375
Delta R.T. -0.024 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:252 Resp: 1993013
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 7.5 8.2 12.4#

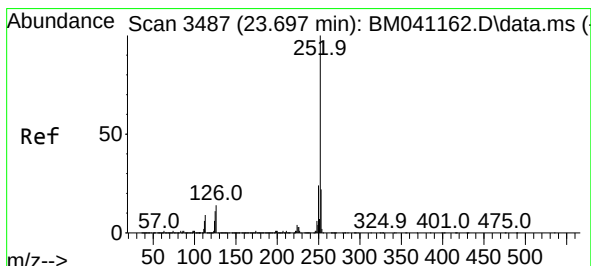
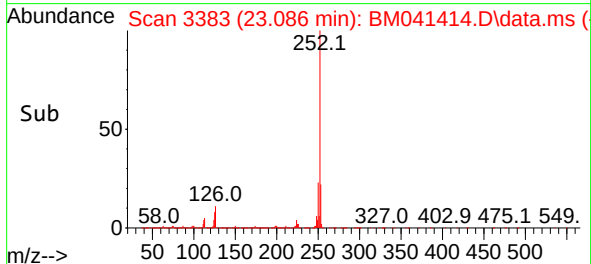
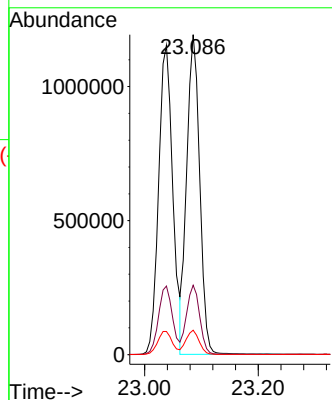
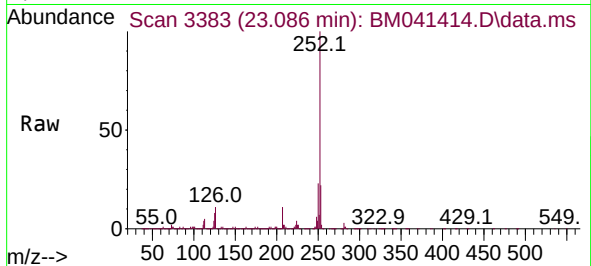




#89
Benzo(k)fluoranthene
Concen: 36.054 ng
RT: 23.086 min Scan# 341
Delta R.T. -0.024 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

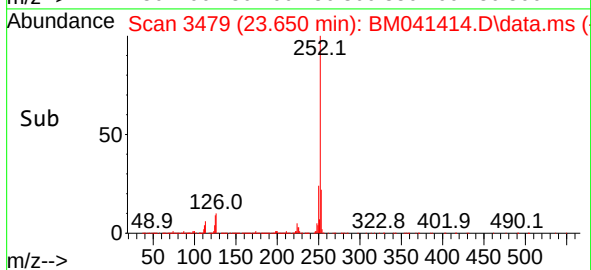
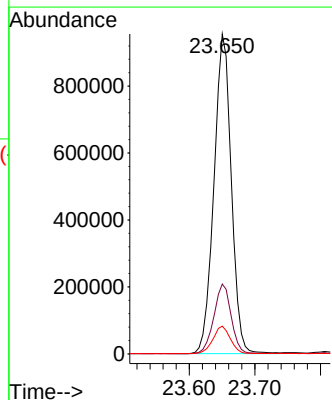
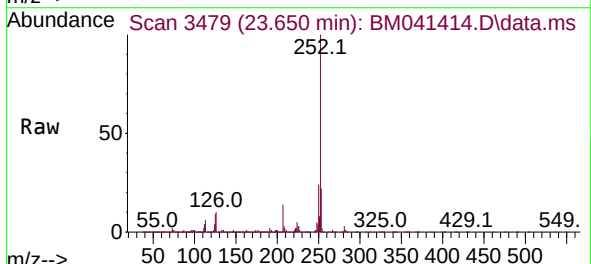
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

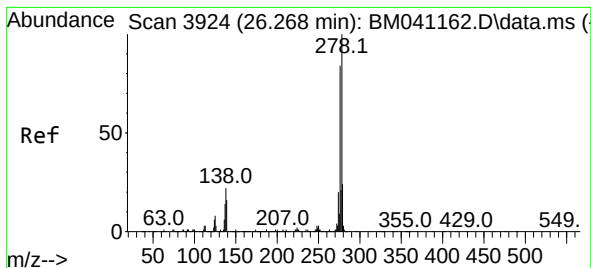
Tgt Ion:252 Resp: 1889955
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 7.6 7.6 11.4



#90
Benzo(a)pyrene
Concen: 35.708 ng
RT: 23.650 min Scan# 3479
Delta R.T. -0.030 min
Lab File: BM041414.D
Acq: 15 Aug 2023 20:11

Tgt Ion:252 Resp: 1758266
Ion Ratio Lower Upper
252 100
253 21.8 17.3 25.9
125 8.7 9.0 13.4#





#91

Dibenzo(a,h)anthracene

Concen: 38.021 ng

RT: 26.215 min Scan# 39

Delta R.T. -0.030 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-1MSD

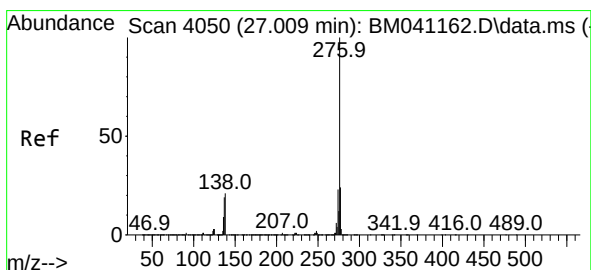
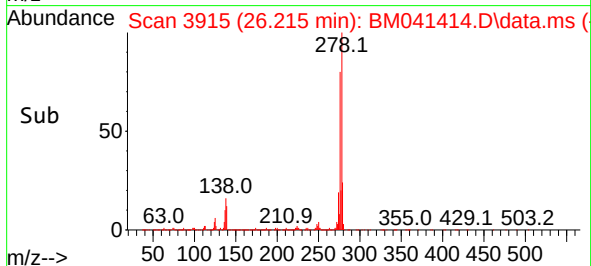
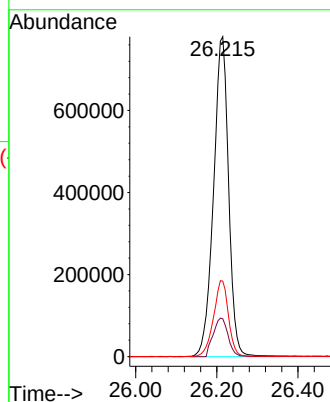
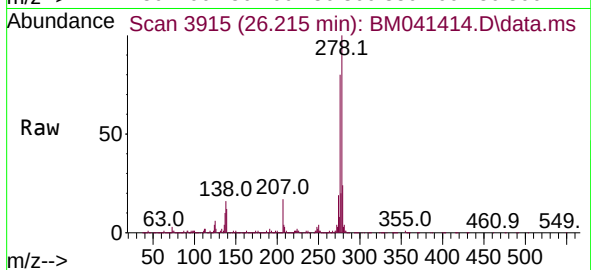
Tgt Ion:278 Resp: 2011297

Ion Ratio Lower Upper

278 100

139 11.8 12.7 19.1#

279 23.6 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 37.010 ng

RT: 26.950 min Scan# 4040

Delta R.T. -0.030 min

Lab File: BM041414.D

Acq: 15 Aug 2023 20:11

Tgt Ion:276 Resp: 1915707

Ion Ratio Lower Upper

276 100

277 23.5 19.1 28.7

138 16.5 17.1 25.7#

