

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091522\
 Data File : BF130276.D
 Acq On : 15 Sep 2022 17:46
 Operator : CG\JU
 Sample : N4600-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OH-CON-0913

Quant Time: Sep 16 03:31:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 14 14:55:51 2022
 Response via : Initial Calibration

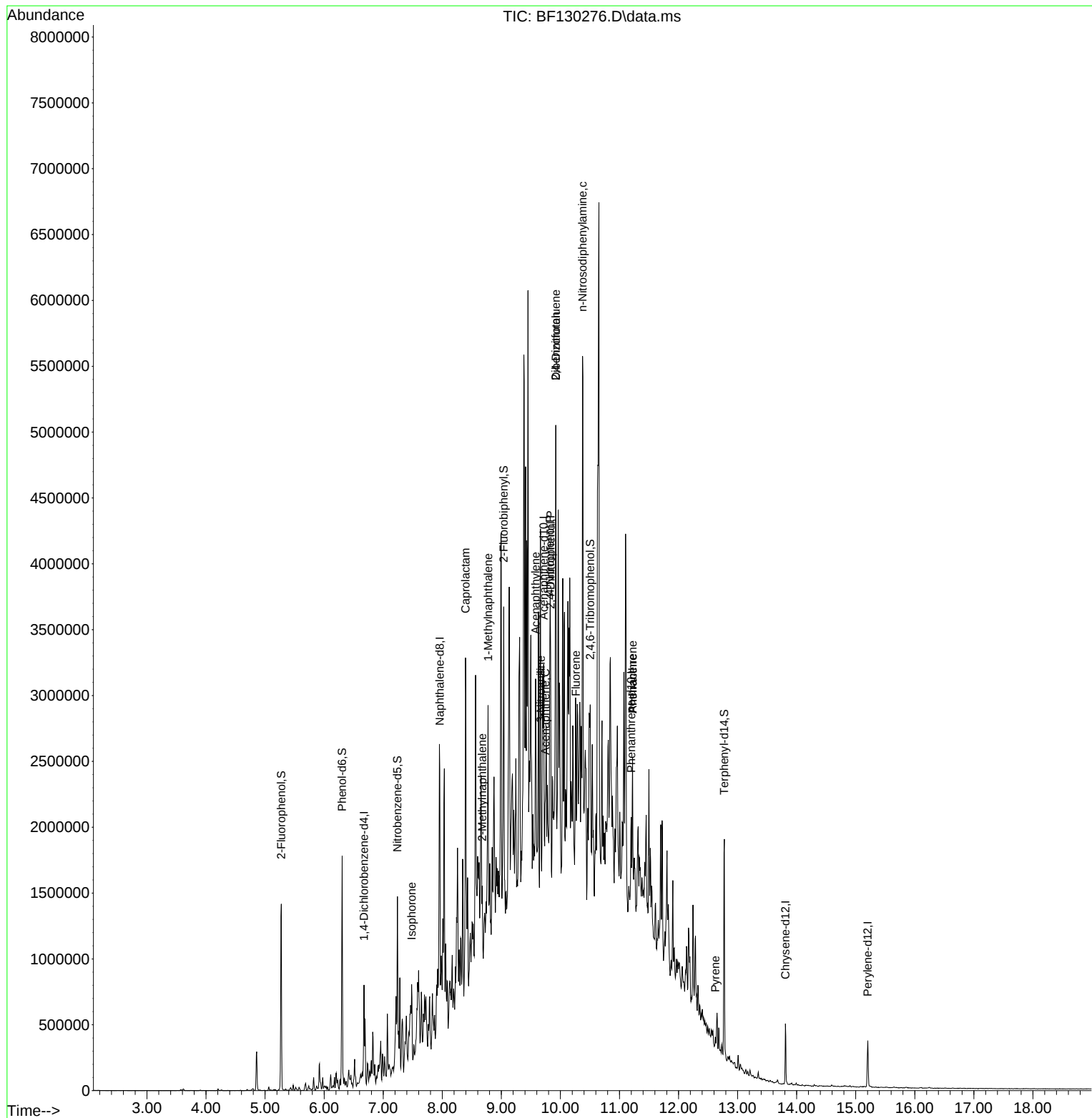
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.675	152	87529	20.000	ng	0.00
21) Naphthalene-d8	7.957	136	315908	20.000	ng	# 0.00
39) Acenaphthene-d10	9.716	164	159221	20.000	ng	0.00
64) Phenanthrene-d10	11.198	188	243559	20.000	ng	0.00
76) Chrysene-d12	13.810	240	139744	20.000	ng	-0.01
86) Perylene-d12	15.204	264	145939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.275	112	375933	74.494	ng	0.00
7) Phenol-d6	6.304	99	559896	88.671	ng	-0.01
23) Nitrobenzene-d5	7.240	82	378953	61.284	ng	-0.01
42) 2,4,6-Tribromophenol	10.504	330	72641	47.613	ng	0.00
45) 2-Fluorobiphenyl	9.039	172	642329	58.746	ng	0.00
79) Terphenyl-d14	12.775	244	517514	61.345	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.481	82	22430	2.251	ng	# 1
35) Caprolactam	8.392	113	65190	52.361	ng	# 44
37) 2-Methylnaphthalene	8.675	142	164423	15.845	ng	99
38) 1-Methylnaphthalene	8.775	142	374935	37.612	ng	99
49) Acenaphthylene	9.581	152	36229	2.512	ng	# 1
52) Acenaphthene	9.745	154	47379	5.000	ng	# 90
53) 3-Nitroaniline	9.669	138	8765	3.420	ng	# 18
54) 2,4-Dinitrophenol	9.834	184	653	6.737	ng	# 1
55) Dibenzofuran	9.922	168	63603	4.825	ng	# 1
56) 4-Nitrophenol	9.822	139	56947	30.505	ng	# 45
57) 2,4-Dinitrotoluene	9.922	165	39623	13.479	ng	# 52
58) Fluorene	10.263	166	98911	9.176	ng	# 84
66) n-Nitrosodiphenylamine	10.375	169	247890	30.457	ng	# 51
71) Phenanthrene	11.222	178	328219	24.002	ng	# 96
72) Anthracene	11.222	178	328219	24.872	ng	96
78) Pyrene	12.622	202	24820	2.030	ng	# 95

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

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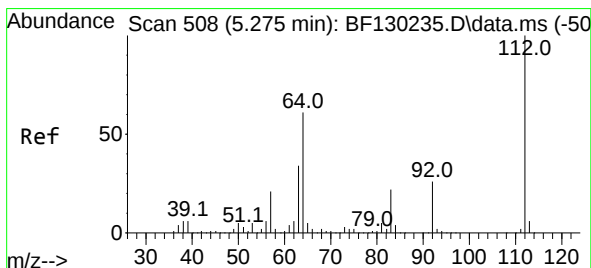
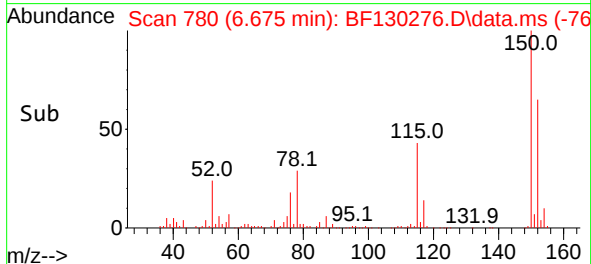
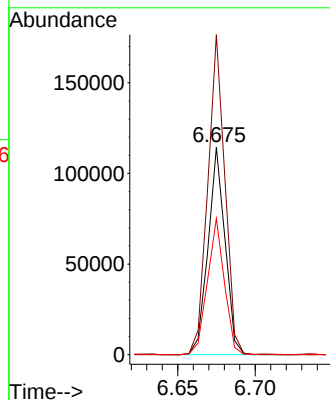
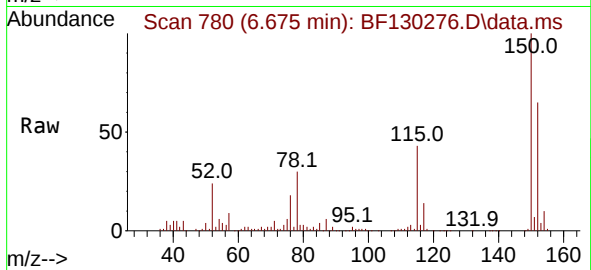




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.675 min Scan# 747
 Delta R.T. -0.006 min
 Lab File: BF130276.D
 Acq: 15 Sep 2022 17:46

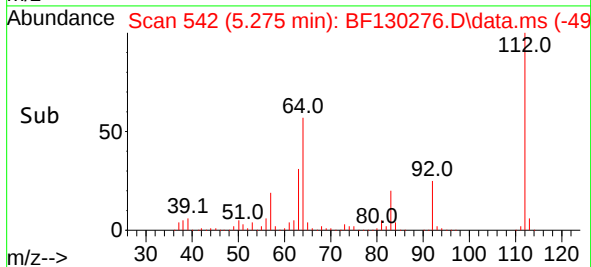
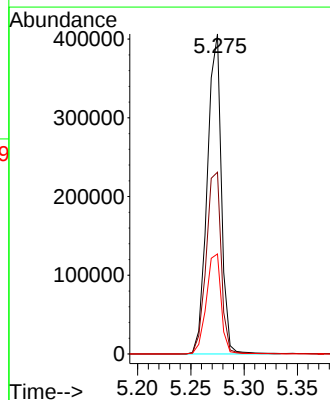
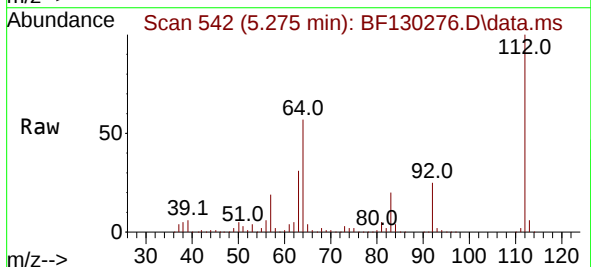
Instrument :
 BNA_F
 ClientSampleId :
 OH-CON-0913

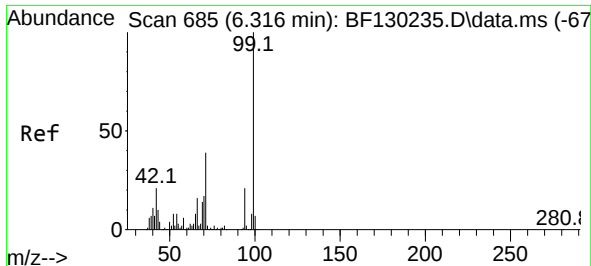
Tgt Ion:152 Resp: 87529
 Ion Ratio Lower Upper
 152 100
 150 154.3 122.8 184.2
 115 65.6 53.8 80.8



#5
 2-Fluorophenol
 Concen: 74.494 ng
 RT: 5.275 min Scan# 542
 Delta R.T. 0.000 min
 Lab File: BF130276.D
 Acq: 15 Sep 2022 17:46

Tgt Ion:112 Resp: 375933
 Ion Ratio Lower Upper
 112 100
 64 56.8 51.4 77.0
 63 31.2 28.8 43.2

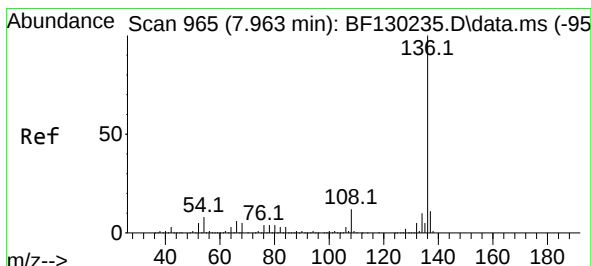
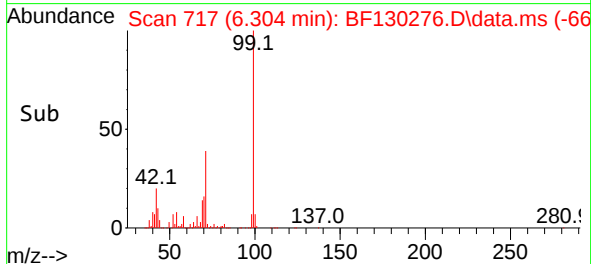
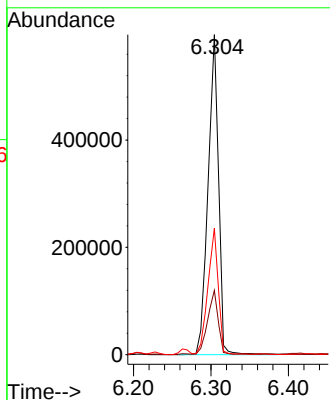
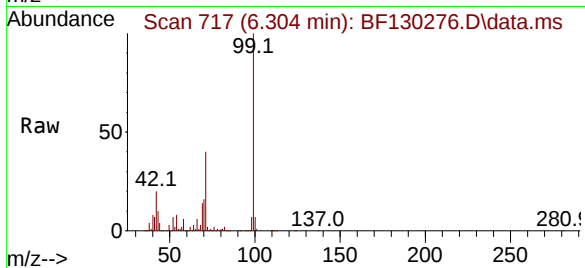




#7
Phenol-d6
Concen: 88.671 ng
RT: 6.304 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130276.D
Acq: 15 Sep 2022 17:46

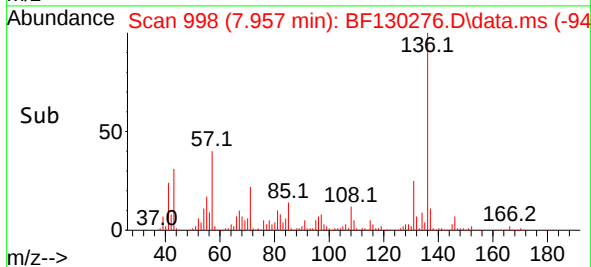
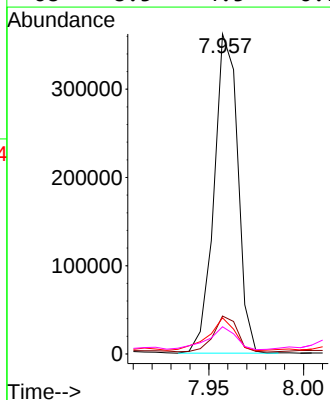
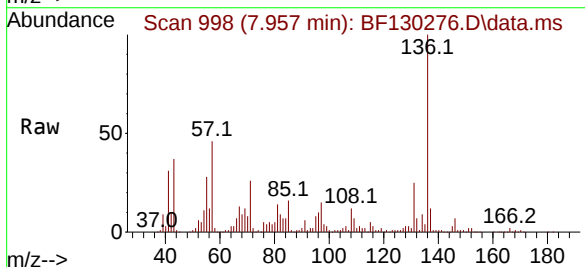
Instrument :
BNA_F
ClientSampleId :
OH-CON-0913

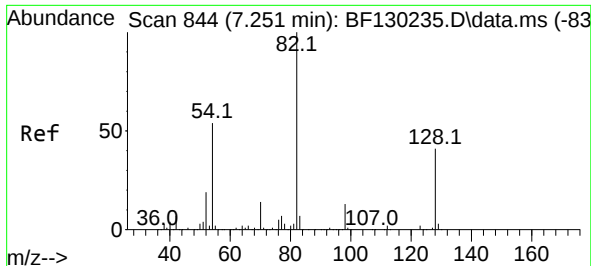
Tgt Ion: 99 Resp: 559896
Ion Ratio Lower Upper
99 100
42 20.1 17.0 25.6
71 39.5 32.3 48.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.957 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF130276.D
Acq: 15 Sep 2022 17:46

Tgt Ion: 136 Resp: 315908
Ion Ratio Lower Upper
136 100
137 11.9 9.1 13.7
54 11.3 7.1 10.7#
68 8.5 4.5 6.7#

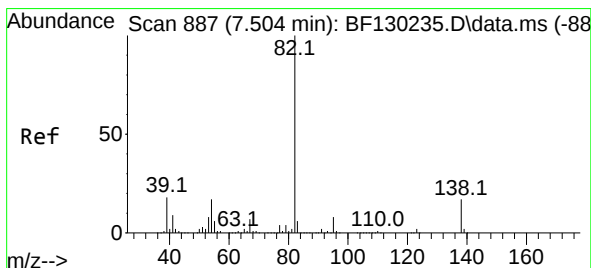
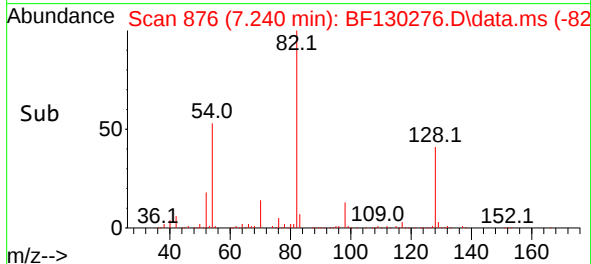
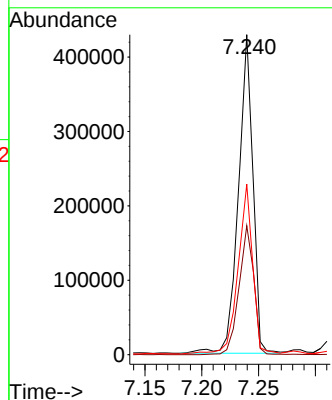
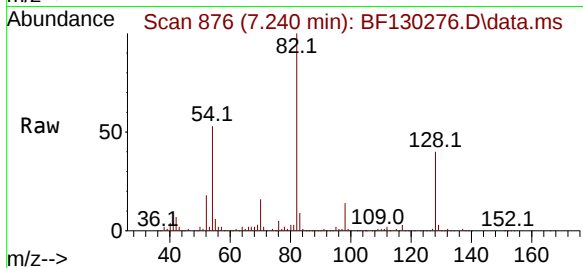




#23
Nitrobenzene-d5
Concen: 61.284 ng
RT: 7.240 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF130276.D
Acq: 15 Sep 2022 17:46

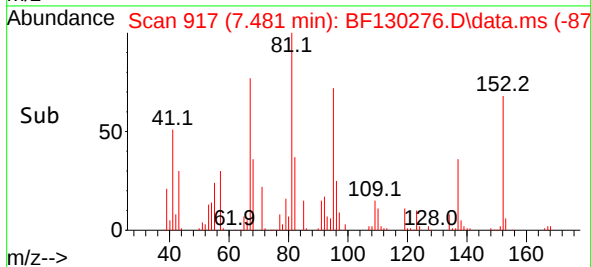
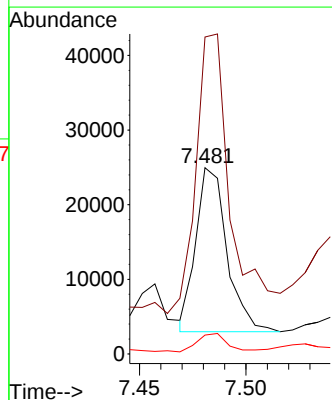
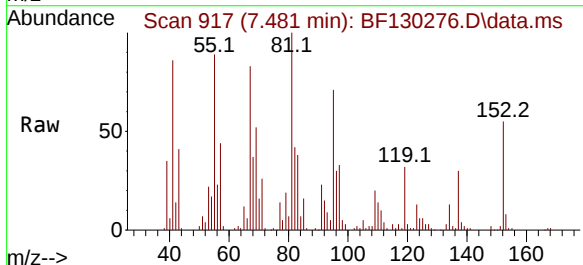
Instrument :
BNA_F
ClientSampleId :
OH-CON-0913

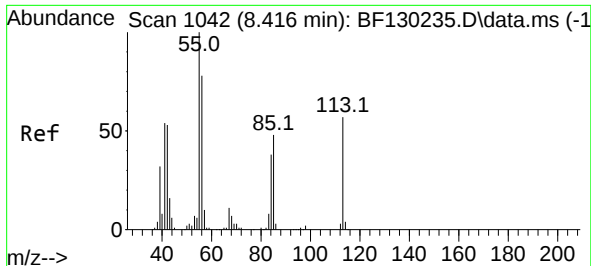
Tgt Ion: 82 Resp: 378953
Ion Ratio Lower Upper
82 100
128 40.3 32.6 49.0
54 53.3 43.8 65.6



#25
Isophorone
Concen: 2.251 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.023 min
Lab File: BF130276.D
Acq: 15 Sep 2022 17:46

Tgt Ion: 82 Resp: 22430
Ion Ratio Lower Upper
82 100
95 170.2 6.4 9.6#
138 10.2 13.8 20.6#

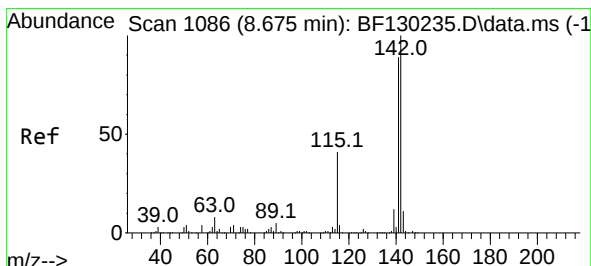
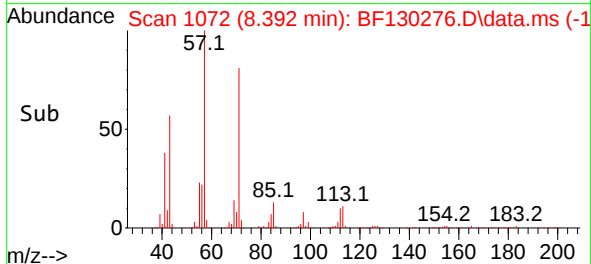
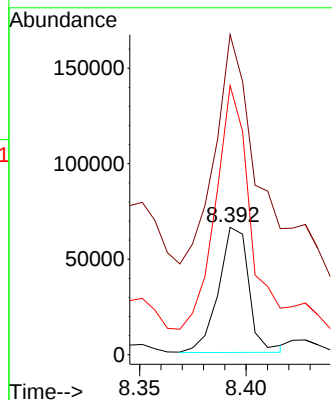
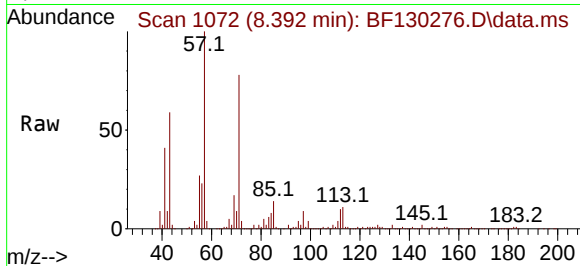




#35
 Caprolactam
 Concen: 52.361 ng
 RT: 8.392 min Scan# 110
 Delta R.T. -0.023 min
 Lab File: BF130276.D
 Acq: 15 Sep 2022 17:46

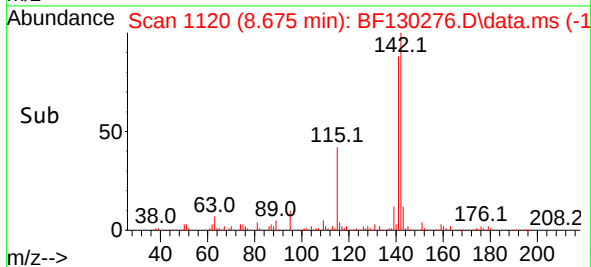
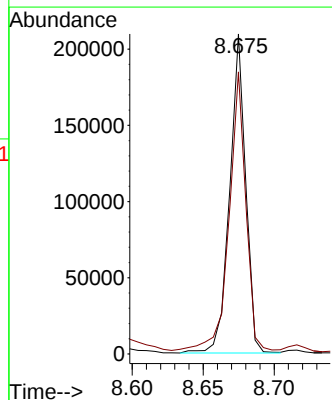
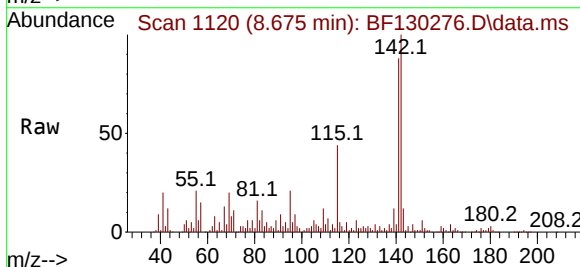
Instrument :
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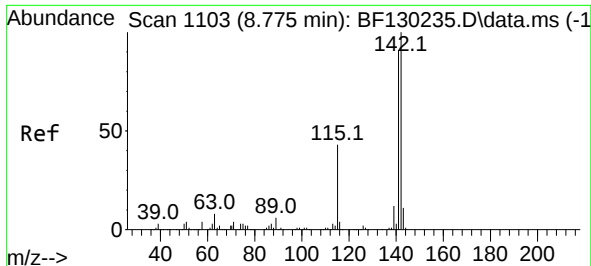
Tgt Ion:113 Resp: 65190
 Ion Ratio Lower Upper
 113 100
 55 251.1 155.4 195.4#
 56 211.2 120.4 160.4#



#37
 2-Methylnaphthalene
 Concen: 15.845 ng
 RT: 8.675 min Scan# 1120
 Delta R.T. 0.000 min
 Lab File: BF130276.D
 Acq: 15 Sep 2022 17:46

Tgt Ion:142 Resp: 164423
 Ion Ratio Lower Upper
 142 100
 141 88.2 70.0 105.0

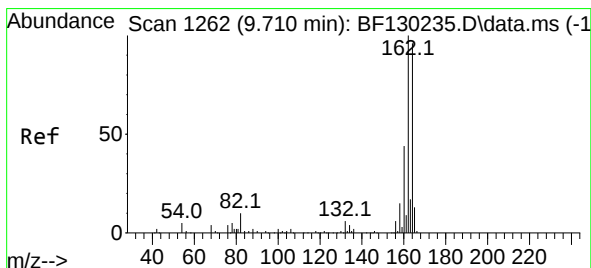
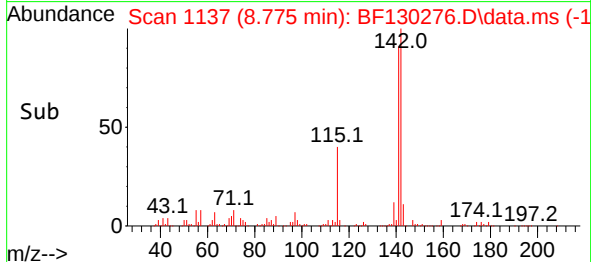
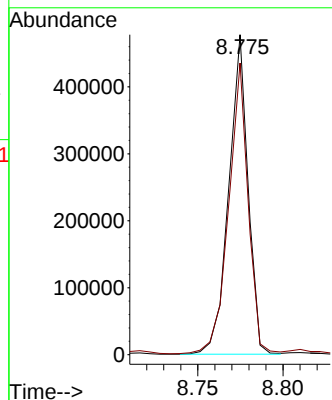
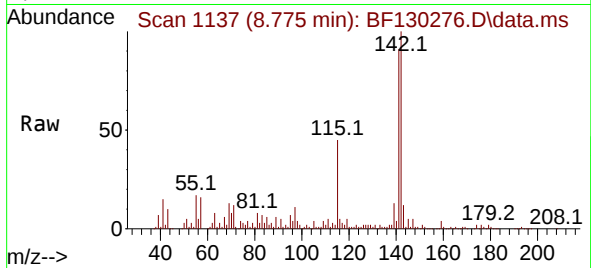




#38
1-Methylnaphthalene
Concen: 37.612 ng
RT: 8.775 min Scan# 1103
Delta R.T. 0.000 min
Lab File: BF130276.D
Acq: 15 Sep 2022 17:46

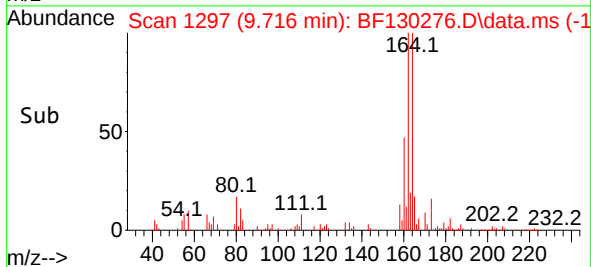
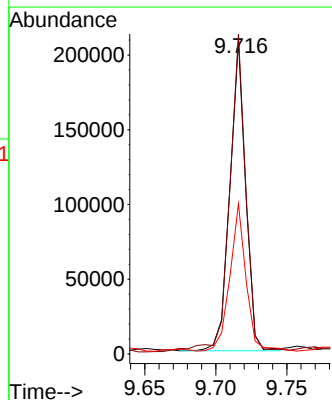
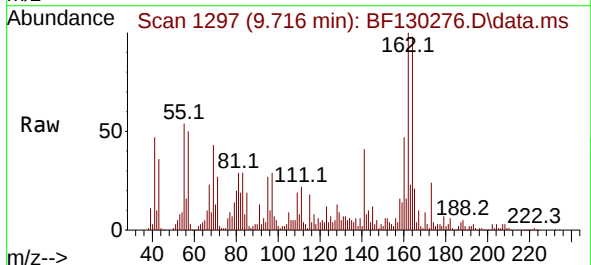
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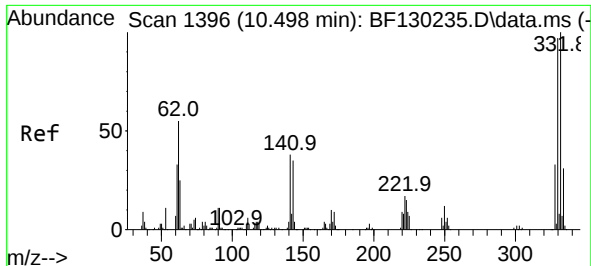
Tgt Ion:142 Resp: 374935
Ion Ratio Lower Upper
142 100
141 91.1 73.8 110.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.716 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BF130276.D
Acq: 15 Sep 2022 17:46

Tgt Ion:164 Resp: 159221
Ion Ratio Lower Upper
164 100
162 102.3 81.4 122.0
160 48.0 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 47.613 ng

RT: 10.504 min Scan# 1431

Delta R.T. 0.006 min

Lab File: BF130276.D

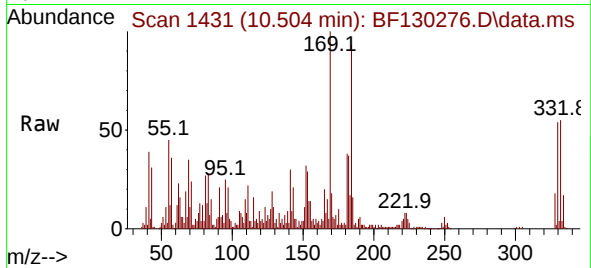
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Instrument :

BNA_F

ClientSampleId :

OH-CON-0913



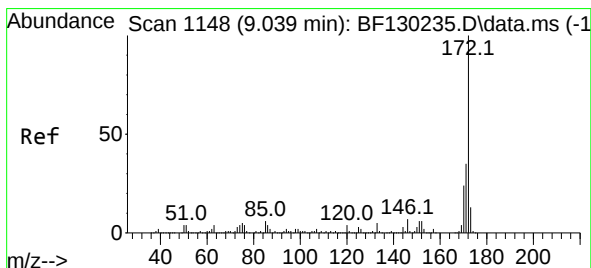
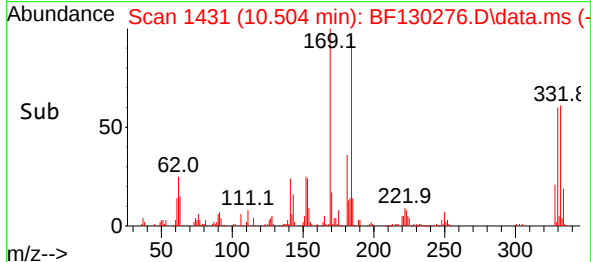
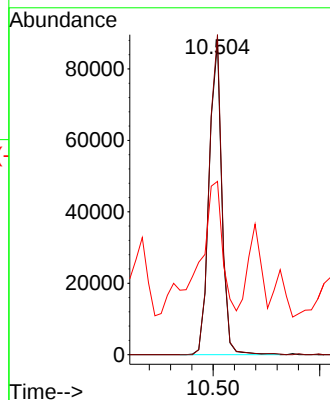
Tgt Ion:330 Resp: 72641

Ion Ratio Lower Upper

330 100

332 102.3 83.4 125.2

141 81.3 34.0 51.0#



#45

2-Fluorobiphenyl

Concen: 58.746 ng

RT: 9.039 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF130276.D

Acq: 15 Sep 2022 17:46

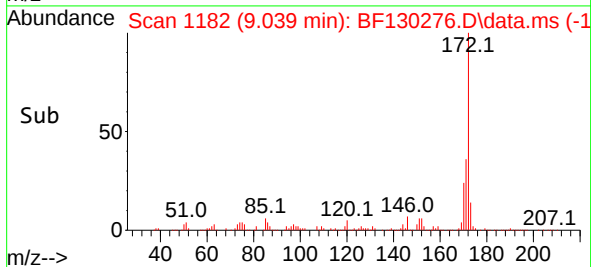
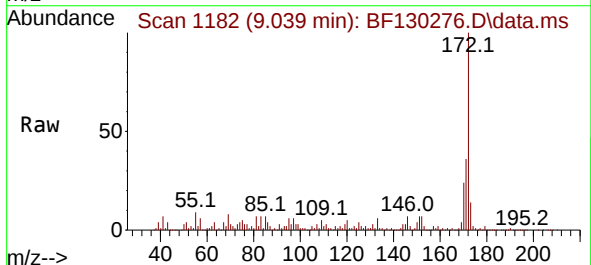
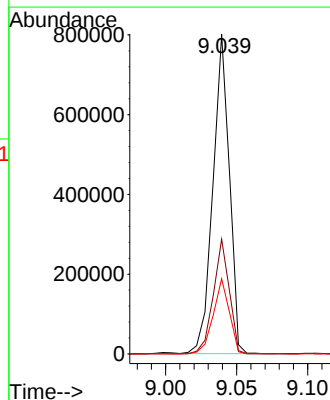
Tgt Ion:172 Resp: 642329

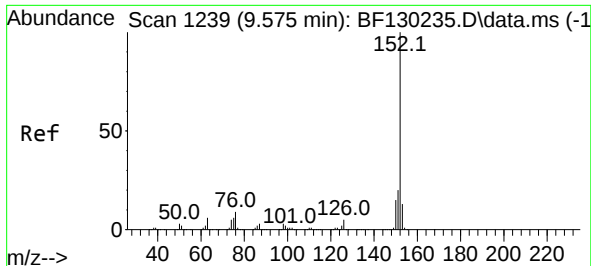
Ion Ratio Lower Upper

172 100

171 35.9 28.3 42.5

170 23.5 18.7 28.1





#49

Acenaphthylene

Concen: 2.512 ng

RT: 9.581 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF130276.D

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BNA_F

ClientSampleId :

OH-CON-0913

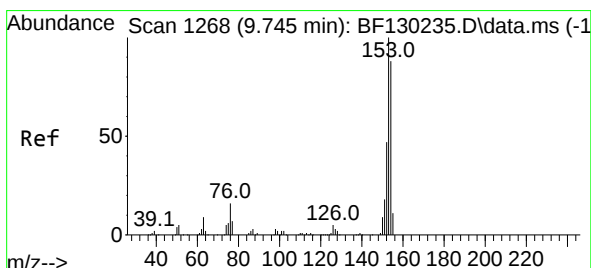
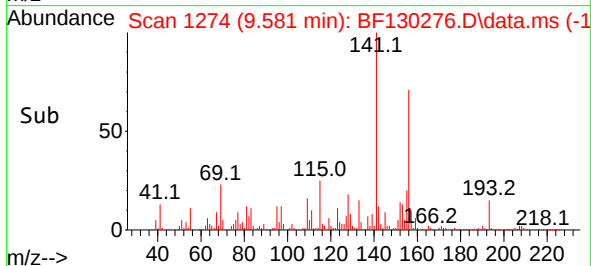
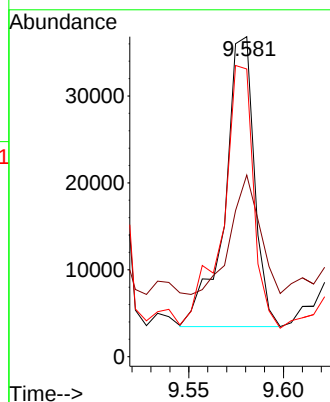
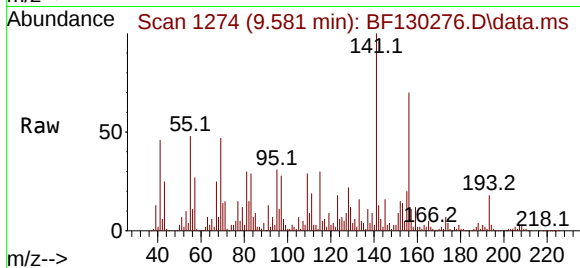
Tgt Ion:152 Resp: 36229

Ion Ratio Lower Upper

152 100

151 56.7 16.2 24.2#

153 89.9 10.6 15.8#



#52

Acenaphthene

Concen: 5.000 ng

RT: 9.745 min Scan# 1302

Delta R.T. 0.000 min

Lab File: BF130276.D

Acq: 15 Sep 2022 17:46

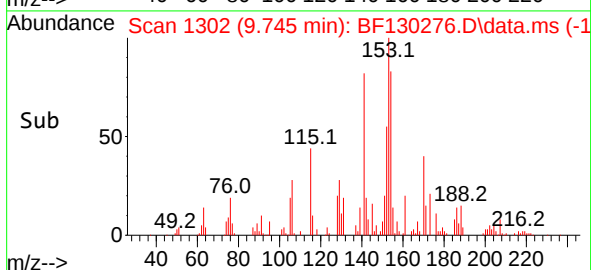
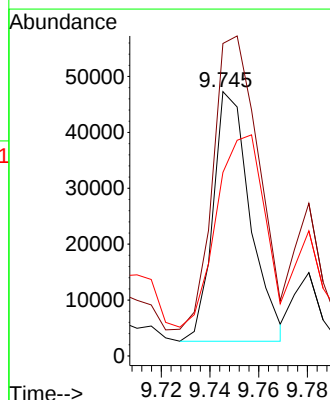
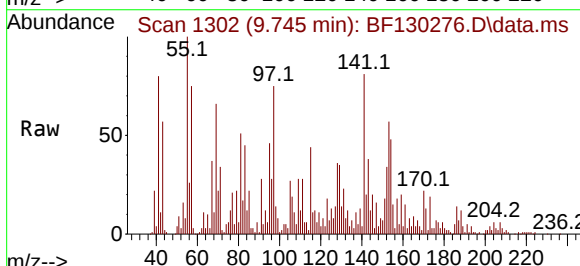
Tgt Ion:154 Resp: 47379

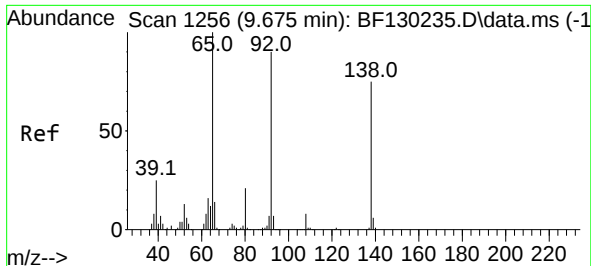
Ion Ratio Lower Upper

154 100

153 118.3 90.6 136.0

152 69.5 43.8 65.6#

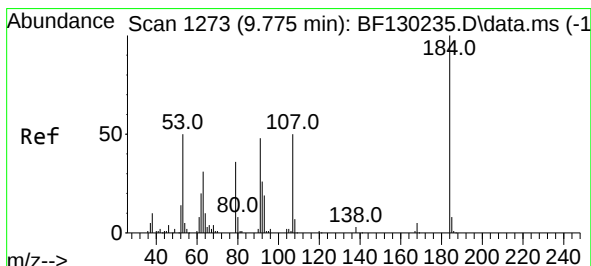
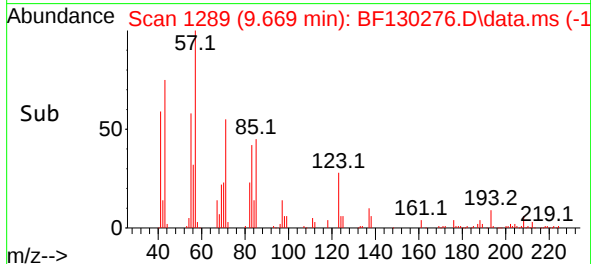
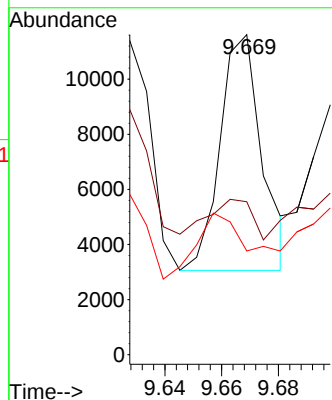
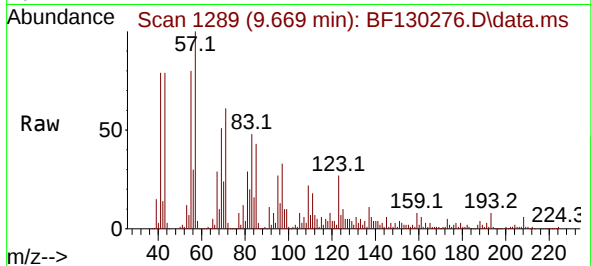




#53
3-Nitroaniline
Concen: 3.420 ng
RT: 9.669 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF130276.D
Acq: 15 Sep 2022 17:46

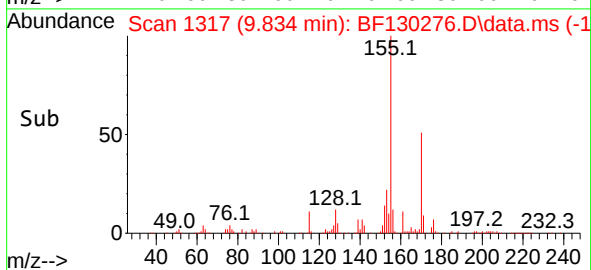
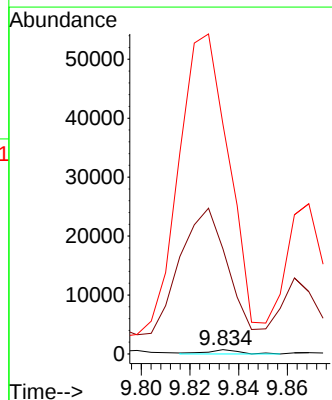
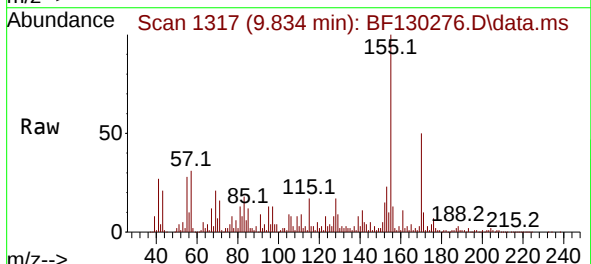
Instrument :
BNA_F
ClientSampleId :
OH-CON-0913

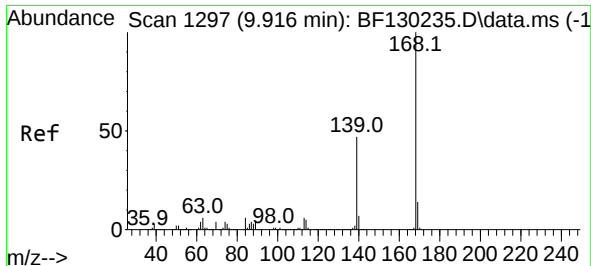
Tgt Ion:138 Resp: 8765
Ion Ratio Lower Upper
138 100
108 47.8 9.2 13.8#
92 32.4 99.2 148.8#



#54
2,4-Dinitrophenol
Concen: 6.737 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.059 min
Lab File: BF130276.D
Acq: 15 Sep 2022 17:46

Tgt Ion:184 Resp: 653
Ion Ratio Lower Upper
184 100
63 2473.2 70.0 105.0#
154 5408.0 63.0 94.6#

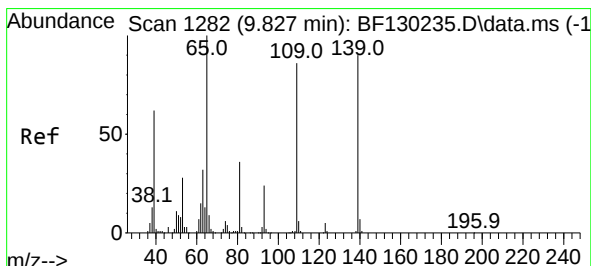
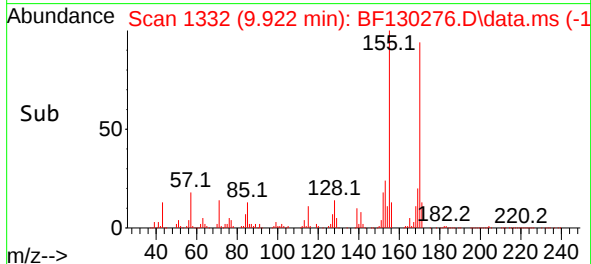
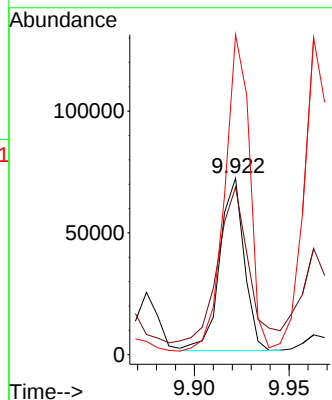
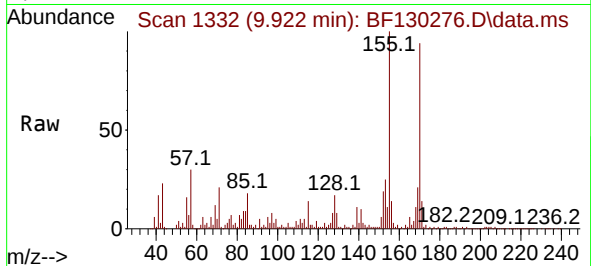




#55
Dibenzenofuran
Concen: 4.825 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130276.D
Acq: 15 Sep 2022 17:46

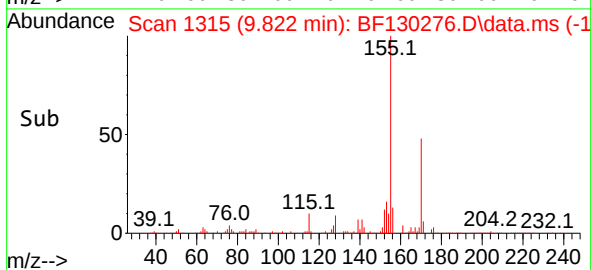
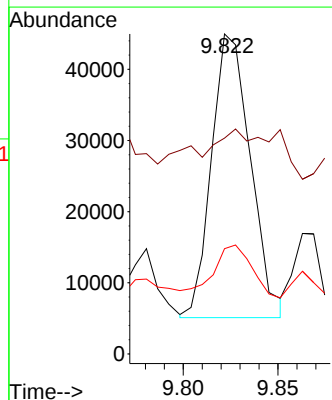
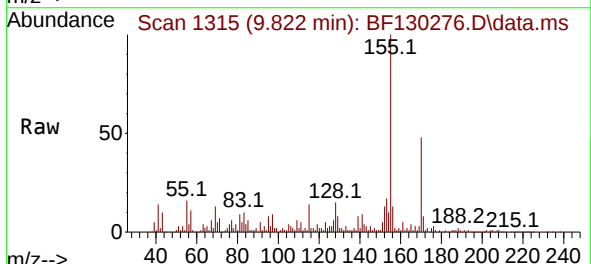
Instrument :
BNA_F
ClientSampleId :
OH-CON-0913

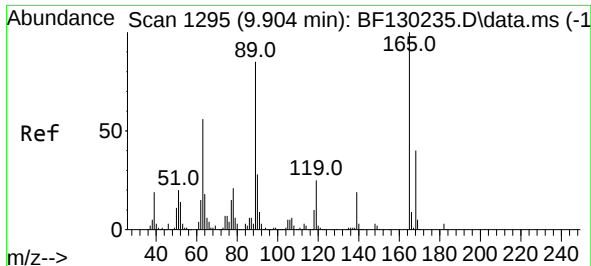
Tgt Ion:168 Resp: 63603
Ion Ratio Lower Upper
168 100
139 94.9 35.0 52.4#
169 181.3 10.9 16.3#



#56
4-Nitrophenol
Concen: 30.505 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF130276.D
Acq: 15 Sep 2022 17:46

Tgt Ion:139 Resp: 56947
Ion Ratio Lower Upper
139 100
109 67.4 72.2 112.2#
65 32.9 97.7 137.7#





#57

2,4-Dinitrotoluene

Concen: 13.479 ng

RT: 9.922 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF130276.D

Acq: 15 Sep 2022 17:46

Instrument :

BNA_F

ClientSampleId :

OH-CON-0913

Tgt Ion:165 Resp: 39623

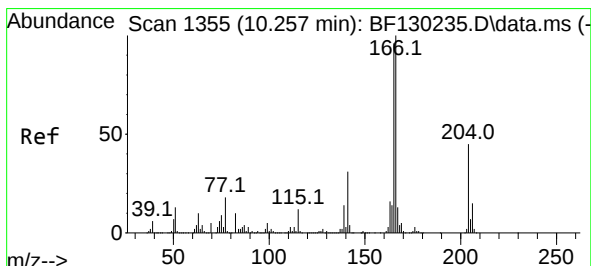
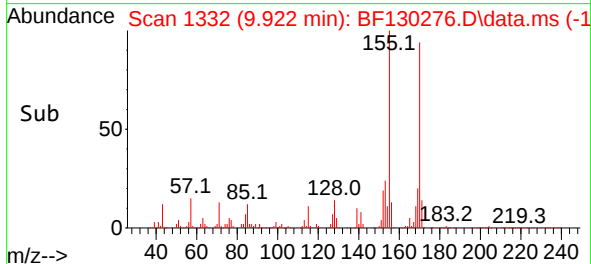
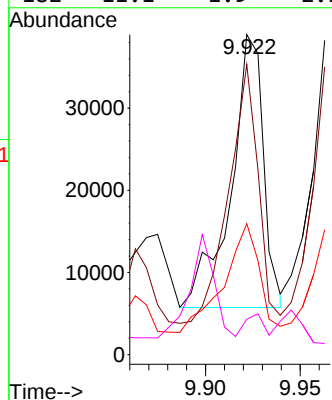
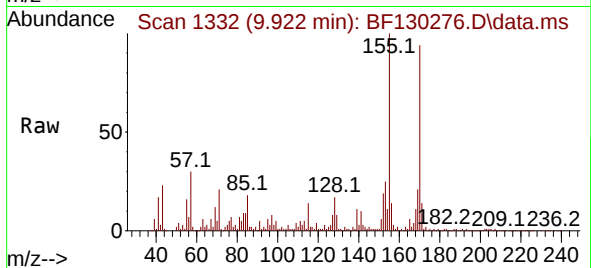
Ion Ratio Lower Upper

165 100

63 90.7 44.7 67.1#

89 41.0 69.0 103.4#

182 11.1 1.9 2.9#



#58

Fluorene

Concen: 9.176 ng

RT: 10.263 min Scan# 1390

Delta R.T. 0.006 min

Lab File: BF130276.D

Acq: 15 Sep 2022 17:46

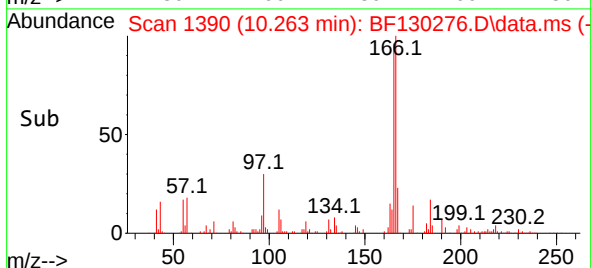
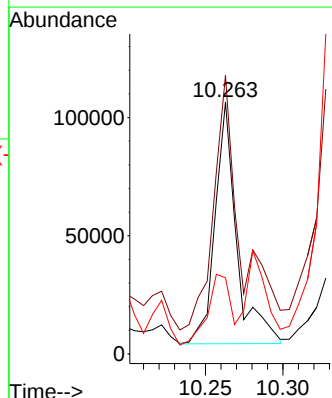
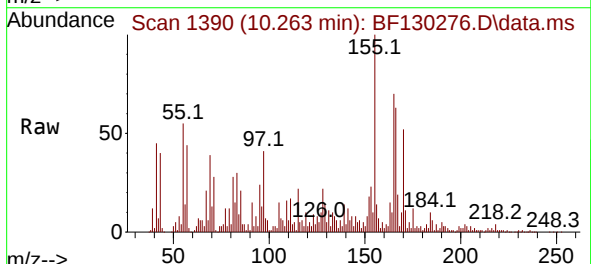
Tgt Ion:166 Resp: 98911

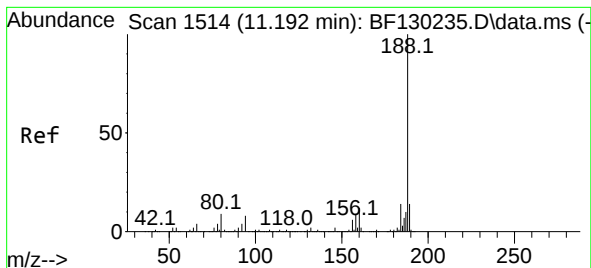
Ion Ratio Lower Upper

166 100

165 110.5 78.8 118.2

167 30.3 10.6 15.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.198 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF130276.D

Acq: 15 Sep 2022 17:46

Instrument :

BNA_F

ClientSampleId :

OH-CON-0913

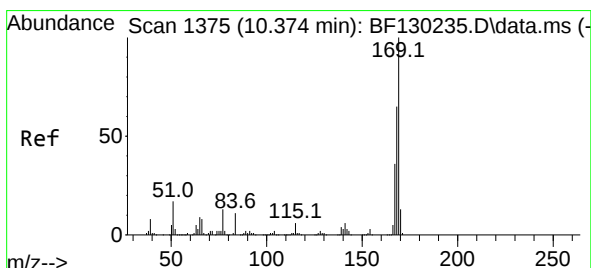
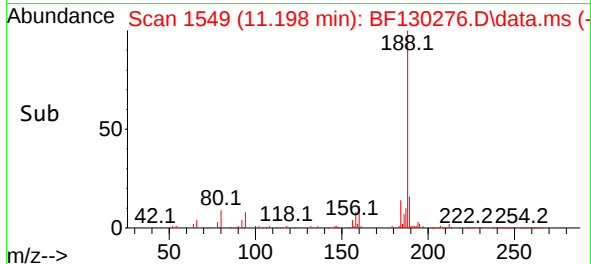
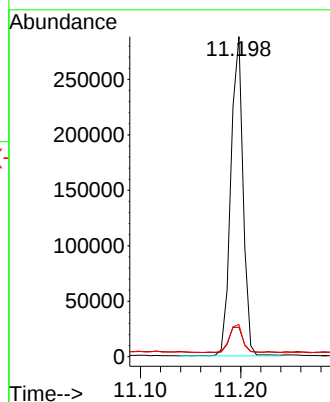
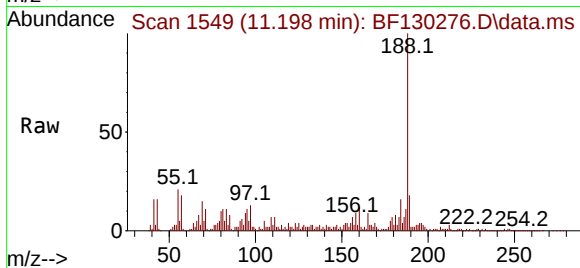
Tgt Ion:188 Resp: 243559

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.2

80 10.0 7.9 11.9



#66

n-Nitrosodiphenylamine

Concen: 30.457 ng

RT: 10.375 min Scan# 1409

Delta R.T. 0.000 min

Lab File: BF130276.D

Acq: 15 Sep 2022 17:46

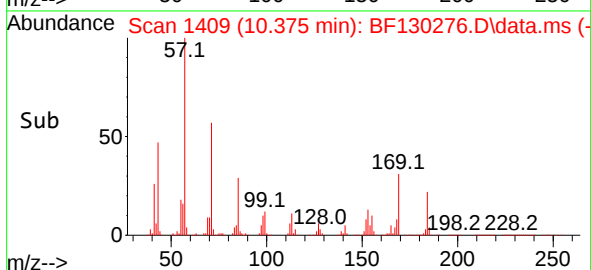
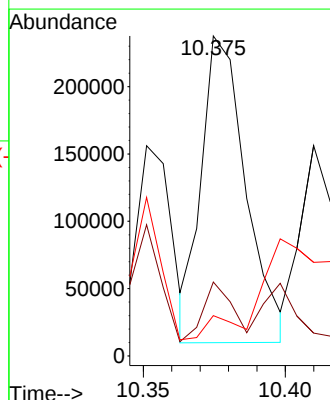
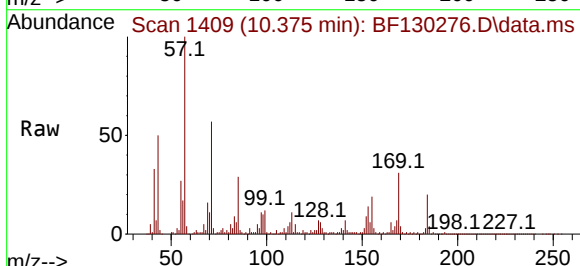
Tgt Ion:169 Resp: 247890

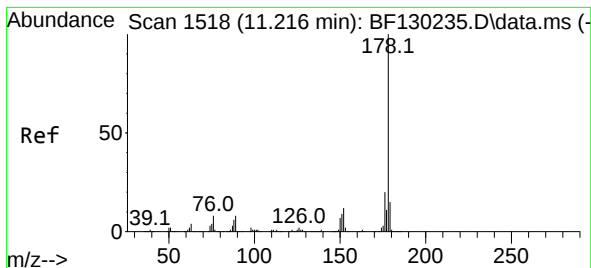
Ion Ratio Lower Upper

169 100

168 23.1 53.2 79.8#

167 12.6 29.2 43.8#





#71

Phenanthrene

Concen: 24.002 ng

RT: 11.222 min Scan# 1553

Delta R.T. 0.006 min

Lab File: BF130276.D

Acq: 15 Sep 2022 17:46

Instrument :

BNA_F

ClientSampleId :

OH-CON-0913

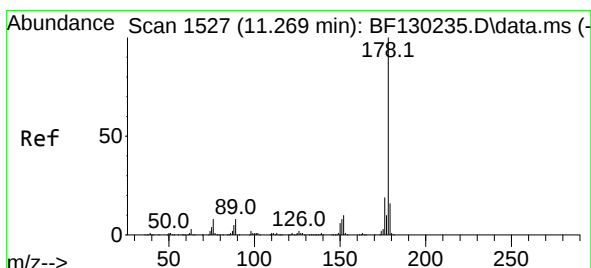
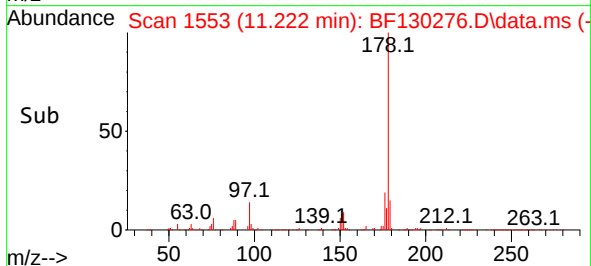
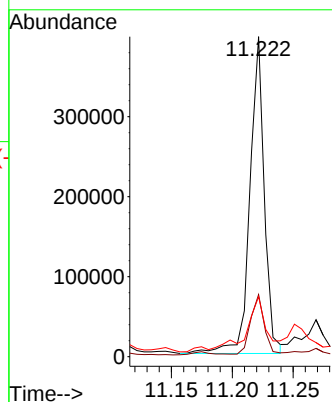
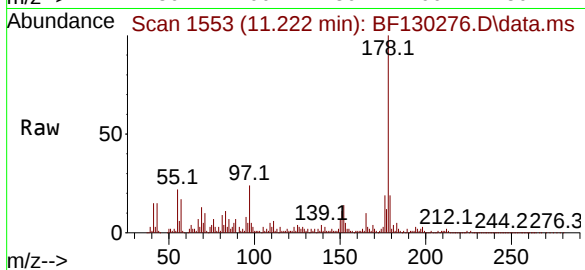
Tgt Ion:178 Resp: 328219

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 18.7 12.4 18.6#



#72

Anthracene

Concen: 24.872 ng

RT: 11.222 min Scan# 1553

Delta R.T. -0.047 min

Lab File: BF130276.D

Acq: 15 Sep 2022 17:46

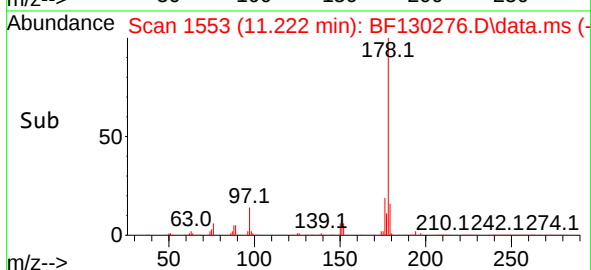
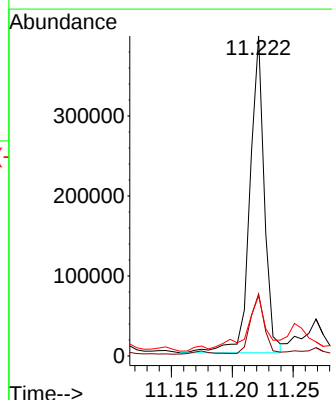
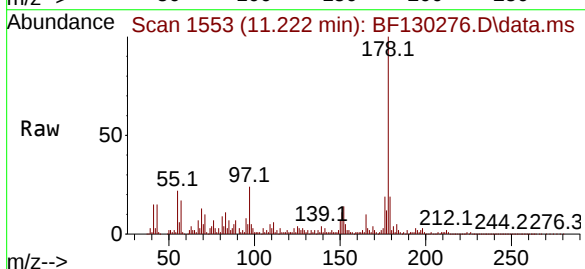
Tgt Ion:178 Resp: 328219

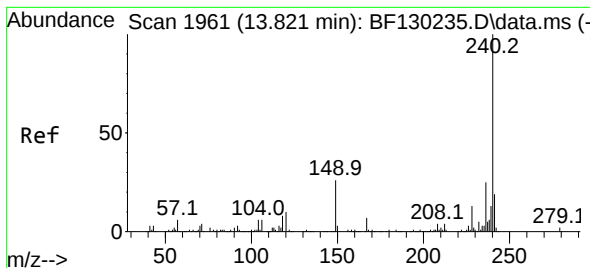
Ion Ratio Lower Upper

178 100

176 19.4 15.0 22.6

179 18.7 12.7 19.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.810 min Scan# 1961

Delta R.T. -0.012 min

Lab File: BF130276.D

Acq: 15 Sep 2022 17:46

Instrument :

BNA_F

ClientSampleId :

OH-CON-0913

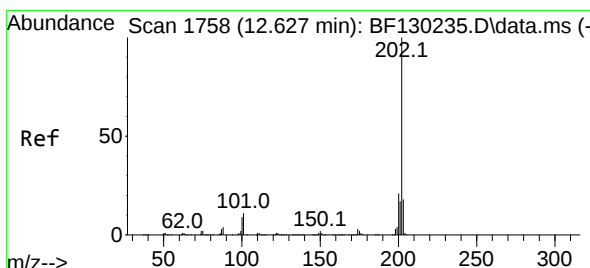
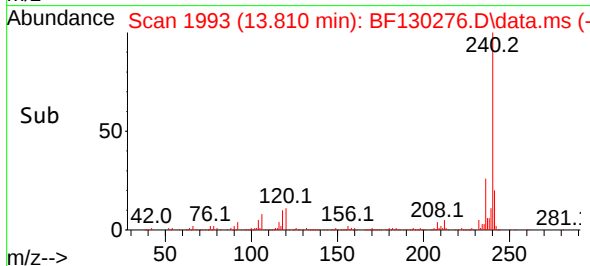
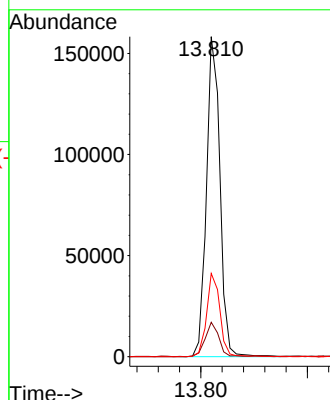
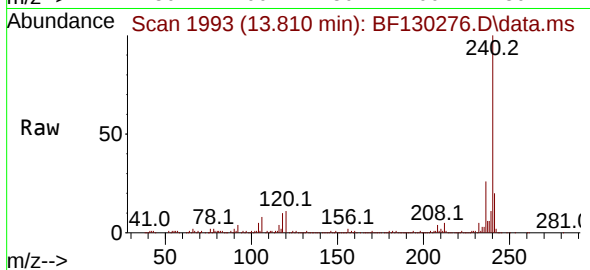
Tgt Ion:240 Resp: 139744

Ion Ratio Lower Upper

240 100

120 10.7 8.7 13.1

236 26.0 20.9 31.3



#78

Pyrene

Concen: 2.030 ng

RT: 12.622 min Scan# 1791

Delta R.T. -0.006 min

Lab File: BF130276.D

Acq: 15 Sep 2022 17:46

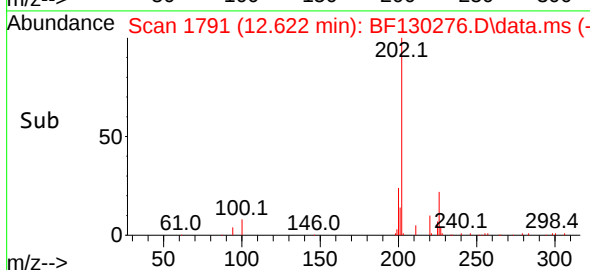
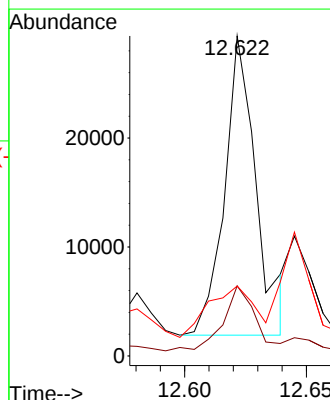
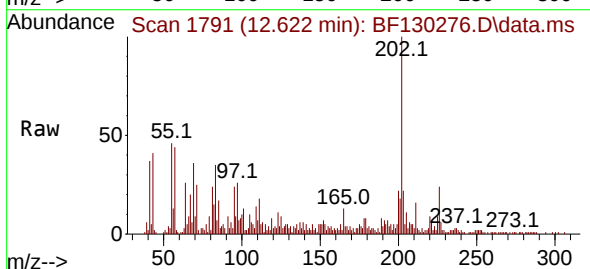
Tgt Ion:202 Resp: 24820

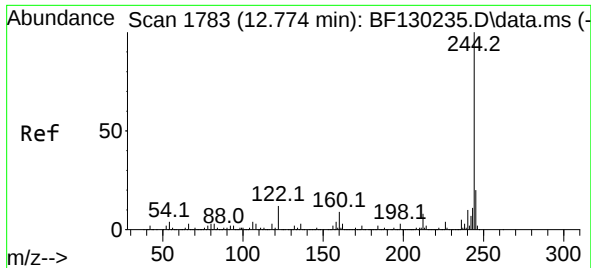
Ion Ratio Lower Upper

202 100

200 21.9 17.2 25.8

203 21.9 14.3 21.5#

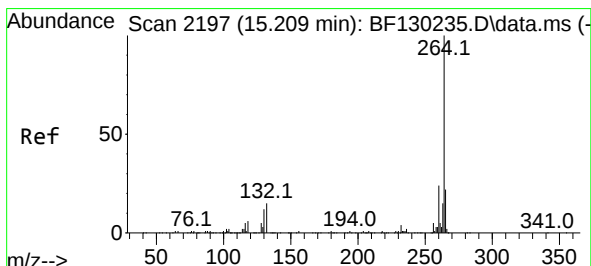
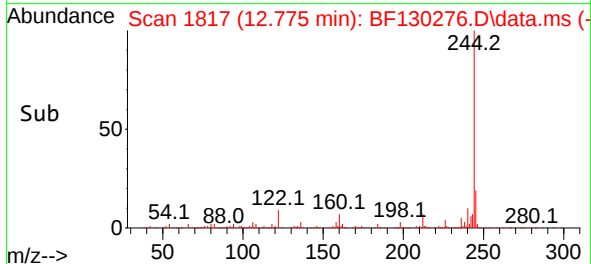
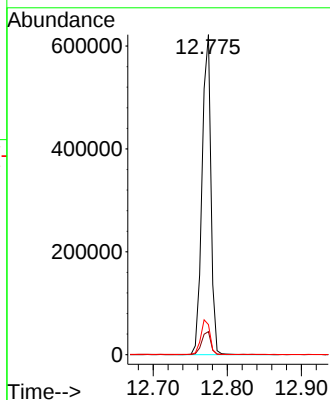
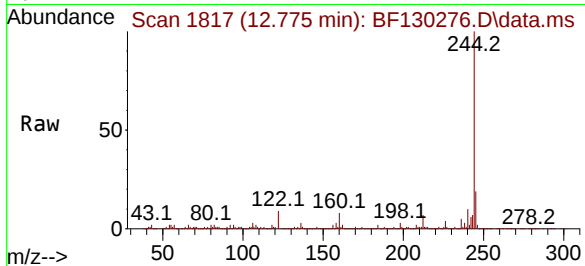




#79
 Terphenyl-d14
 Concen: 61.345 ng
 RT: 12.775 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF130276.D
 Acq: 15 Sep 2022 17:46

Instrument :
 BNA_F
 ClientSampleId :
 OH-CON-0913

Tgt Ion:244 Resp: 517514
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 9.4 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.204 min Scan# 2230
 Delta R.T. -0.006 min
 Lab File: BF130276.D
 Acq: 15 Sep 2022 17:46

Tgt Ion:264 Resp: 145939
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.3 28.9
 265 21.5 17.0 25.4

