

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134141.D
 Acq On : 07 Jul 2023 16:59
 Operator : CG\JU
 Sample : 03497-01 2X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-2-063023

Quant Time: Jul 07 23:06:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

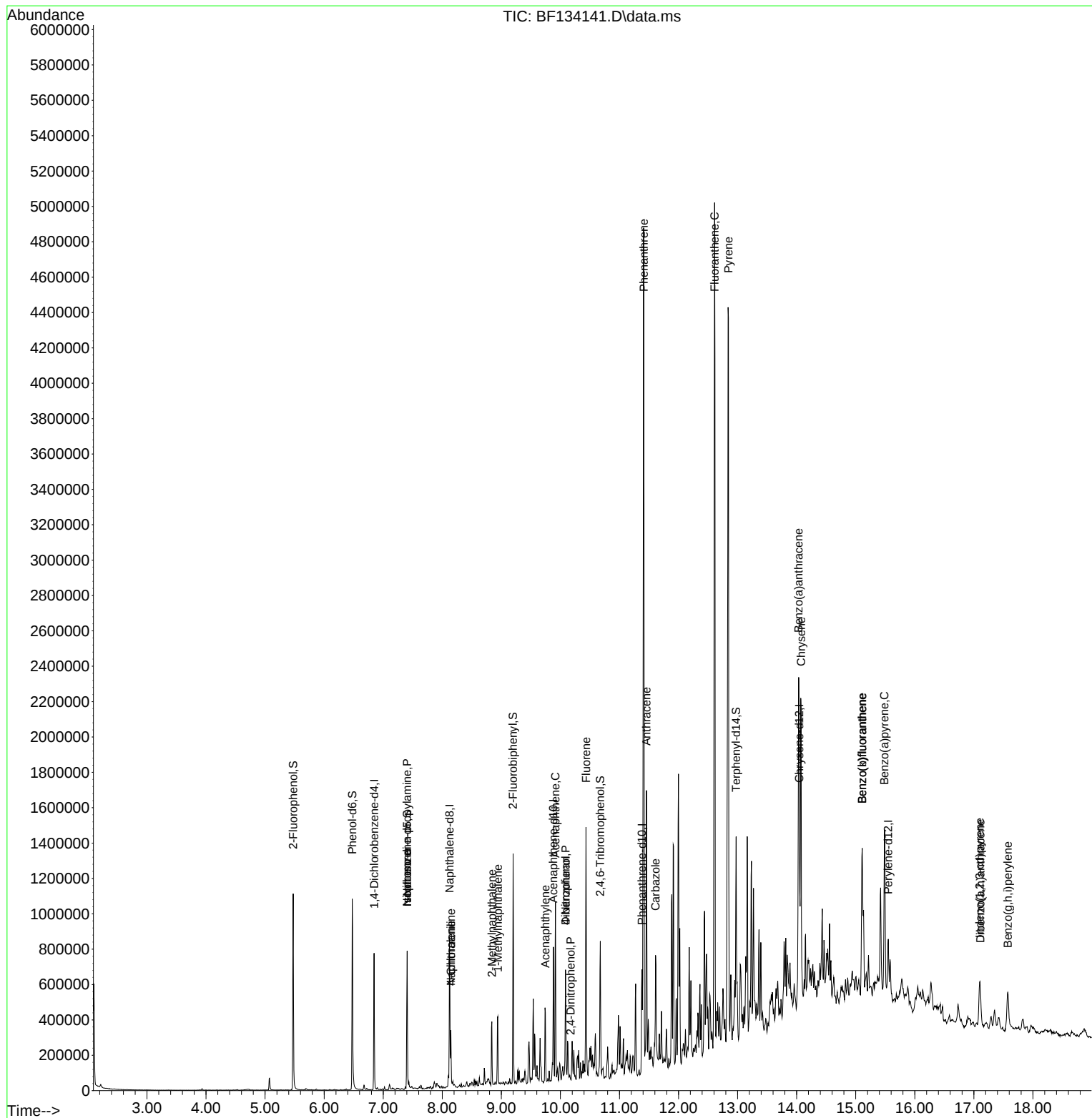
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	103008	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	356003	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	141498	20.000	ng	-0.01
64) Phenanthrene-d10	11.381	188	250536	20.000	ng	0.00
76) Chrysene-d12	14.045	240	158893	20.000	ng	0.00
86) Perylene-d12	15.551	264	138934	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	275154	44.683	ng	-0.01
7) Phenol-d6	6.475	99	330080	43.586	ng	-0.02
23) Nitrobenzene-d5	7.404	82	208697	31.601	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	68089	38.379	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	348666	35.825	ng	-0.01
79) Terphenyl-d14	12.975	244	355066	35.964	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	89	Below Cal	#	9
19) n-Nitroso-di-n-propyla...	7.404	70	29374	6.116	ng	# 75
25) Isophorone	7.404	82	208693	17.387	ng	# 64
31) Naphthalene	8.145	128	112191	6.524	ng	100
33) 4-Chloroaniline	8.145	127	15035	2.044	ng	# 35
37) 2-Methylnaphthalene	8.839	142	96273	7.917	ng	97
38) 1-Methylnaphthalene	8.939	142	99827	8.831	ng	99
49) Acenaphthylene	9.745	152	135859	9.577	ng	98
52) Acenaphthene	9.916	154	193310	23.483	ng	100
54) 2,4-Dinitrophenol	10.175	184	236	4.040	ng	# 66
55) Dibenzofuran	10.086	168	174181	13.539	ng	# 97
56) 4-Nitrophenol	10.086	139	68128	36.698	ng	# 6
58) Fluorene	10.434	166	360217	35.990	ng	98
71) Phenanthrene	11.410	178	2002010	158.733	ng	100
72) Anthracene	11.457	178	534650	40.756	ng	99
73) Carbazole	11.610	167	247621	20.623	ng	100
75) Fluoranthene	12.610	202	2378088	174.408	ng	98
78) Pyrene	12.845	202	2158943	146.001	ng	99
81) Benzo(a)anthracene	14.033	228	768296	69.721	ng	94
83) Chrysene	14.074	228	727054	68.120	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	205960	21.364	ng	96
88) Benzo(b)fluoranthene	15.110	252	733105	89.738	ng	97
89) Benzo(k)fluoranthene	15.110	252	733105	88.138	ng	96
90) Benzo(a)pyrene	15.486	252	469681	59.455	ng	96
91) Dibenzo(a,h)anthracene	17.110	278	50678	6.436	ng	# 77
92) Benzo(g,h,i)perylene	17.574	276	216598	26.673	ng	97

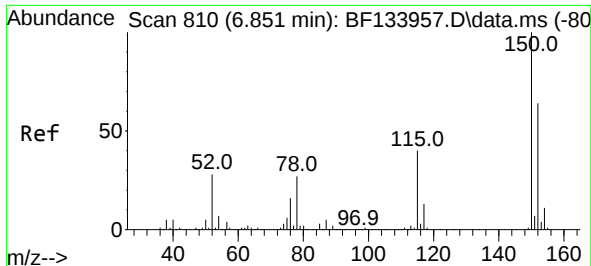
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
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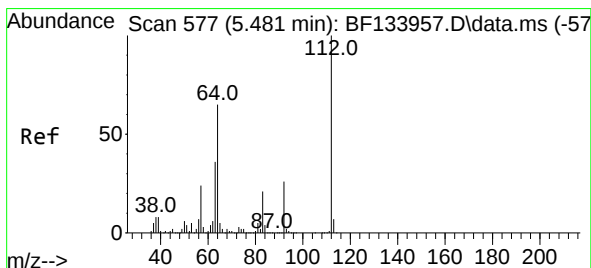
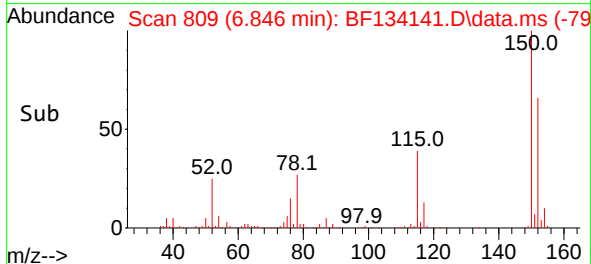
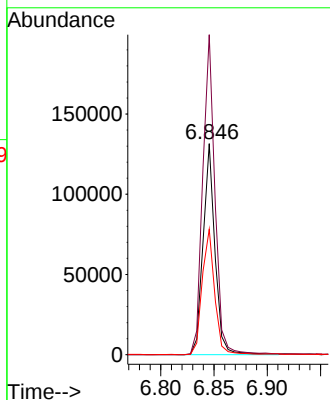
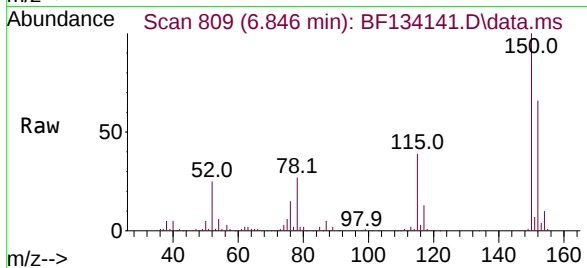




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

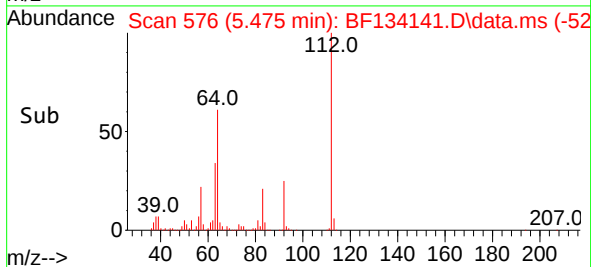
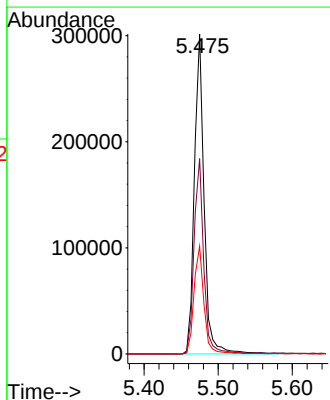
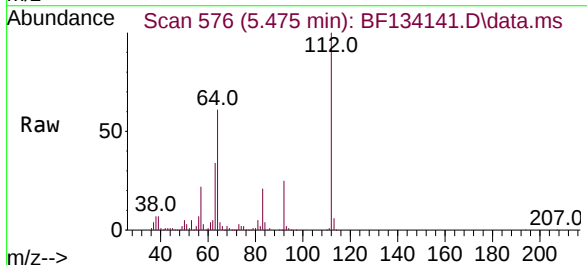
Instrument :
BNA_F
ClientSampleId :
OK-2-063023

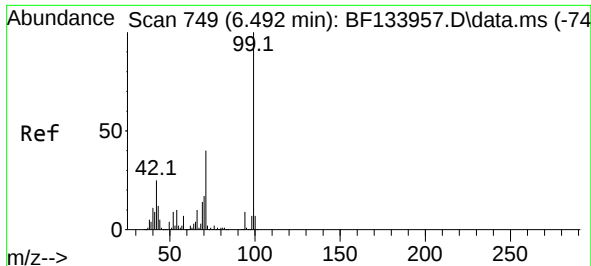
Tgt Ion:152 Resp: 103008
Ion Ratio Lower Upper
152 100
150 151.6 124.5 186.7
115 59.4 50.2 75.2



#5
2-Fluorophenol
Concen: 44.683 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

Tgt Ion:112 Resp: 275154
Ion Ratio Lower Upper
112 100
64 61.0 52.1 78.1
63 33.7 28.6 42.8

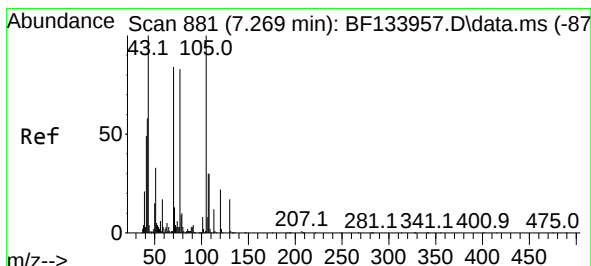
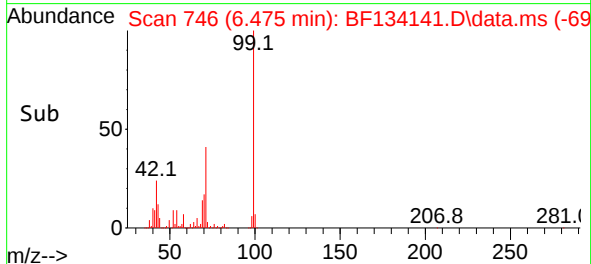
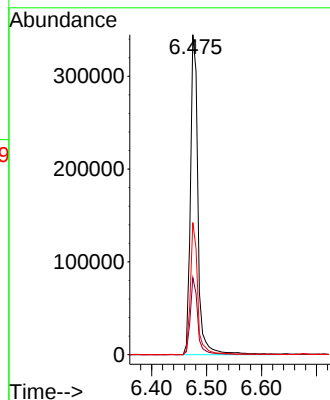
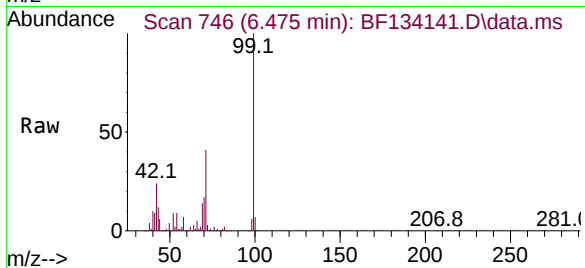




#7
Phenol-d6
Concen: 43.586 ng
RT: 6.475 min Scan# 749
Delta R.T. -0.018 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

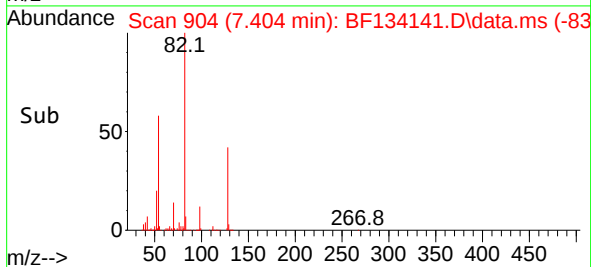
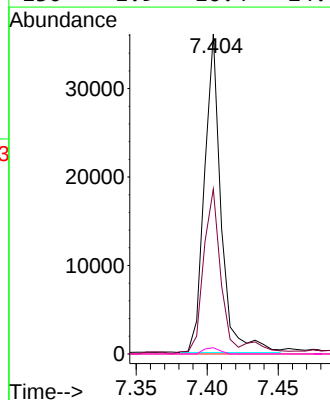
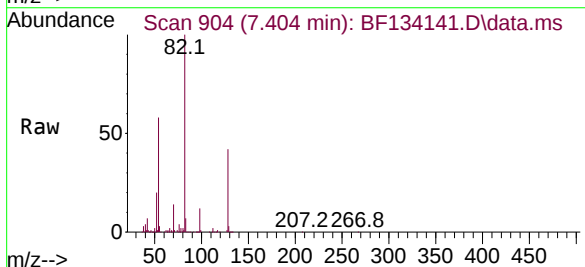
Instrument :
BNA_F
ClientSampleId :
OK-2-063023

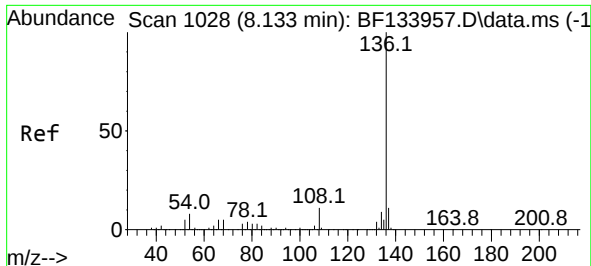
Tgt Ion: 99 Resp: 330080
Ion Ratio Lower Upper
99 100
42 24.1 19.8 29.6
71 41.3 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 6.116 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

Tgt Ion: 70 Resp: 29374
Ion Ratio Lower Upper
70 100
42 51.6 54.7 82.1#
101 0.0 7.7 11.5#
130 1.9 16.4 24.6#

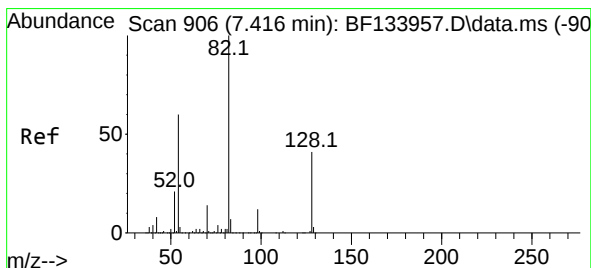
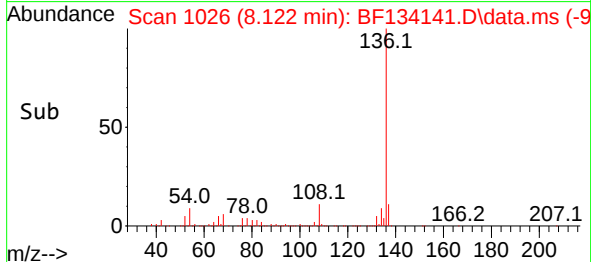
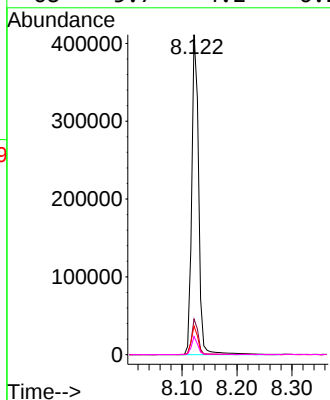
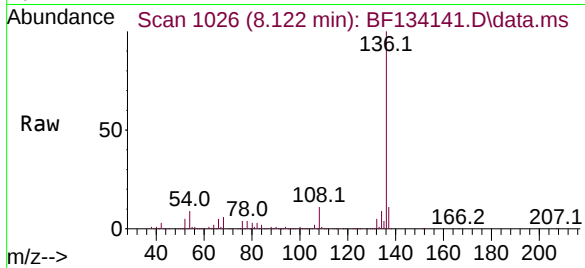




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

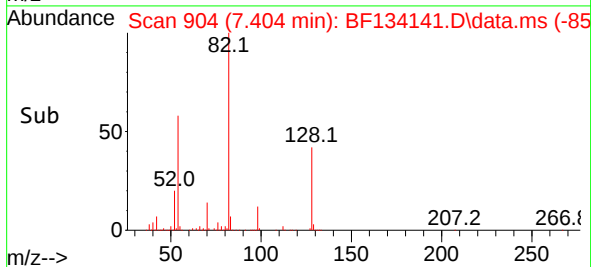
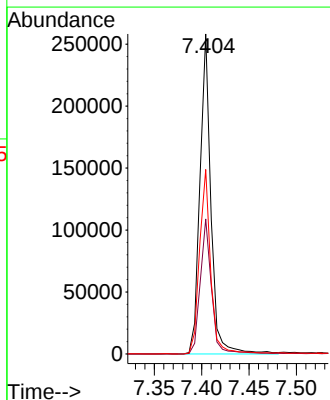
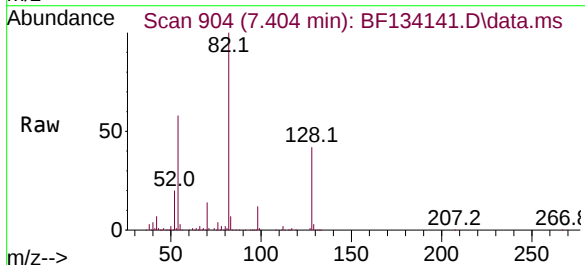
Instrument :
BNA_F
ClientSampleId :
OK-2-063023

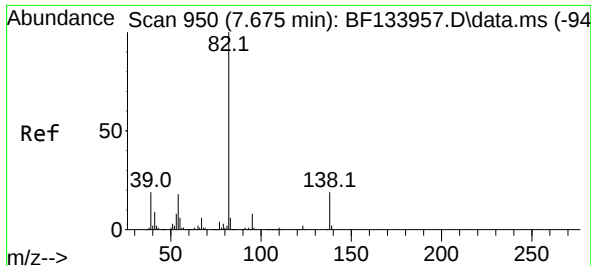
Tgt Ion:136 Resp: 356003
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 9.0 6.5 9.7
68 5.7 4.2 6.2



#23
Nitrobenzene-d5
Concen: 31.601 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

Tgt Ion: 82 Resp: 208697
Ion Ratio Lower Upper
82 100
128 42.2 32.5 48.7
54 57.6 48.2 72.2

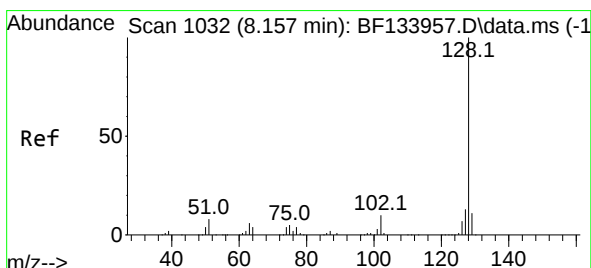
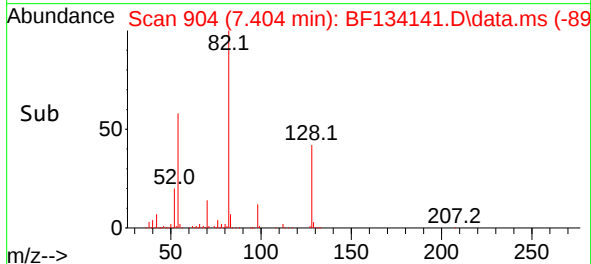
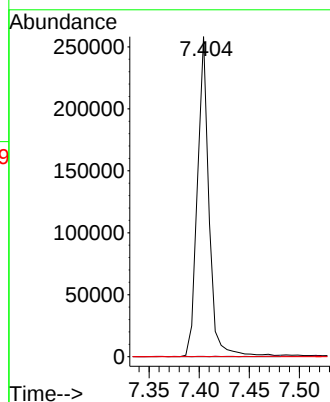
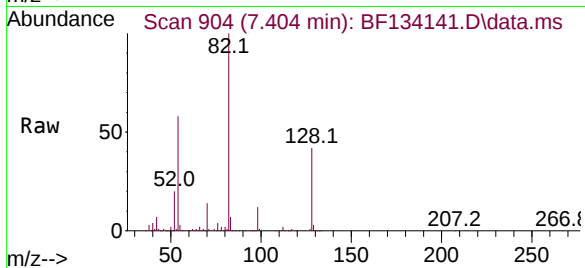




#25
Isophorone
Concen: 17.387 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

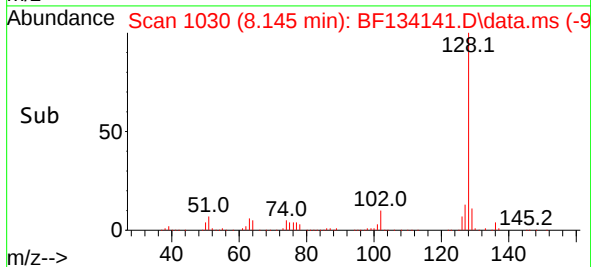
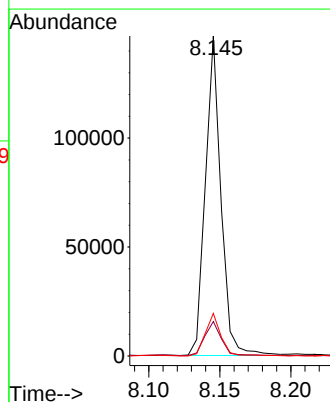
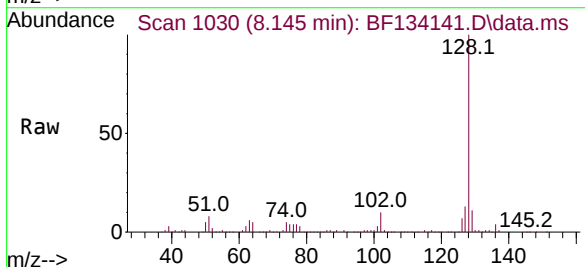
Instrument :
BNA_F
ClientSampleId :
OK-2-063023

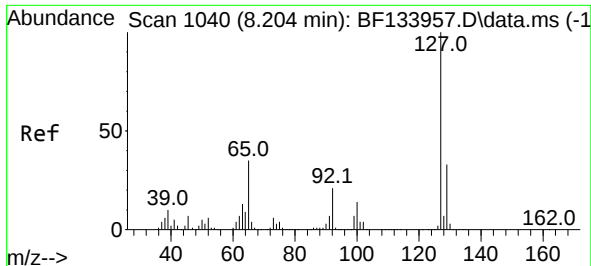
Tgt Ion: 82 Resp: 208693
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 15.2 22.8#



#31
Naphthalene
Concen: 6.524 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

Tgt Ion: 128 Resp: 112191
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.3 10.6 15.8

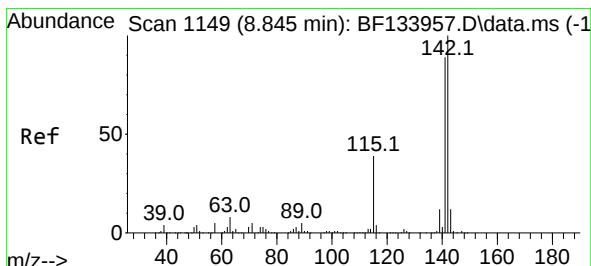
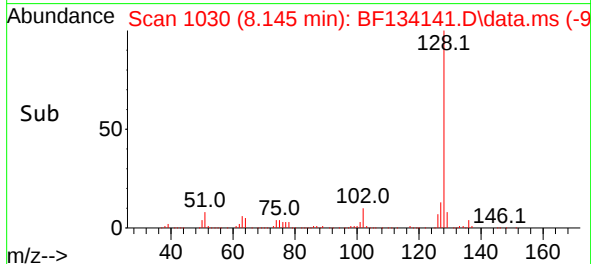
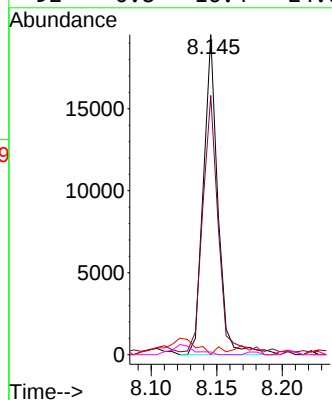
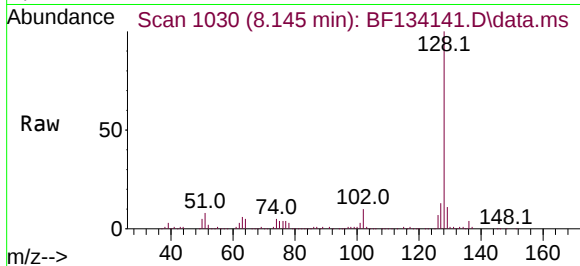




#33
4-Chloroaniline
Concen: 2.044 ng
RT: 8.145 min Scan# 110
Delta R.T. -0.059 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

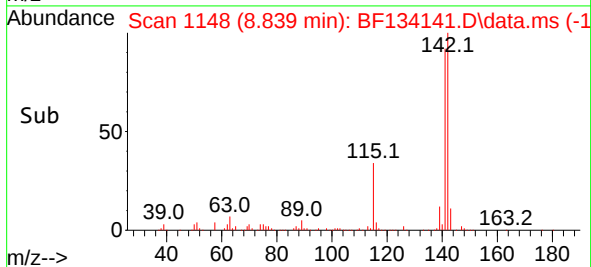
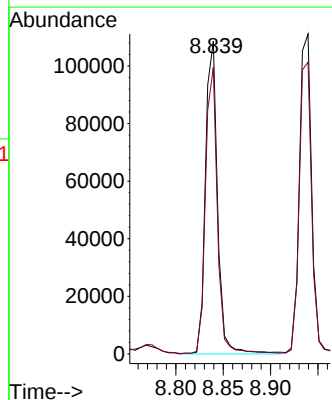
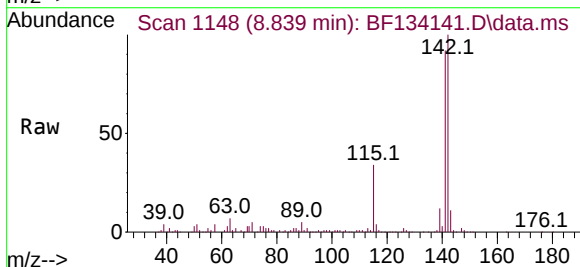
Instrument :
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ClientSampleId :
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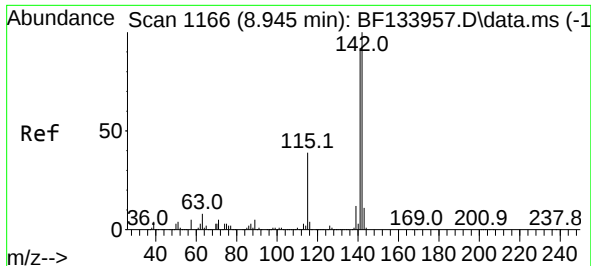
Tgt Ion:127	Resp:	15035
Ion Ratio	Lower	Upper
127	100	
129	81.0	26.4 39.6#
65	0.0	27.8 41.8#
92	0.8	16.4 24.6#



#37
2-Methylnaphthalene
Concen: 7.917 ng
RT: 8.839 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

Tgt Ion:142	Resp:	96273
Ion Ratio	Lower	Upper
142	100	
141	91.7	71.0 106.4





#38

1-Methylnaphthalene

Concen: 8.831 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

Instrument :

BNA_F

ClientSampleId :

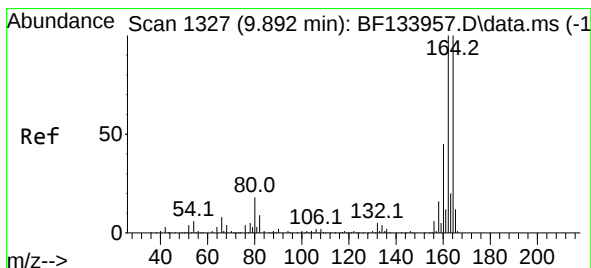
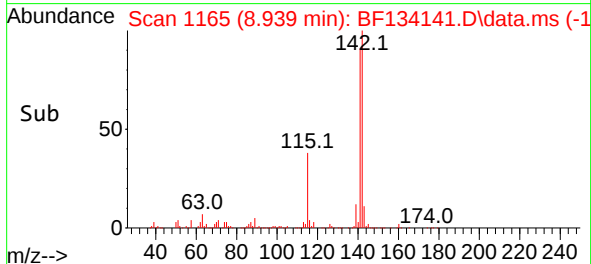
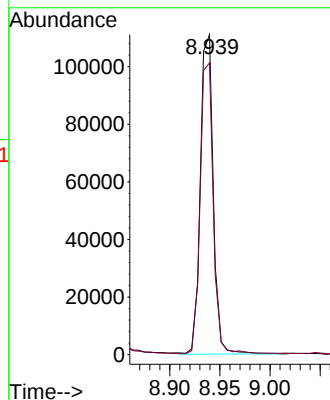
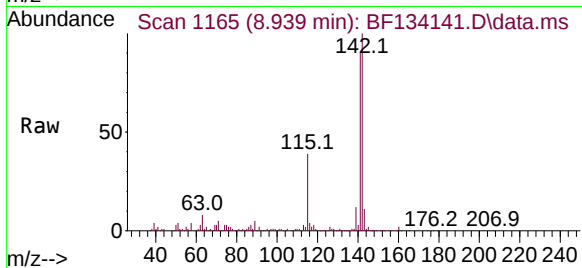
OK-2-063023

Tgt Ion:142 Resp: 99827

Ion Ratio Lower Upper

142 100

141 91.2 73.5 110.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 1325

Delta R.T. -0.012 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

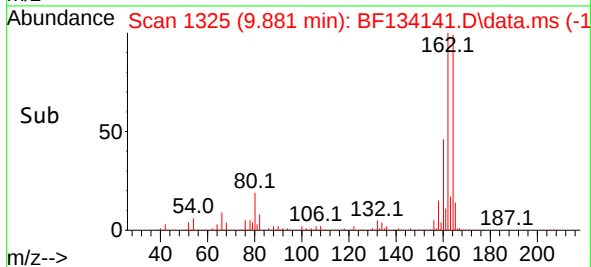
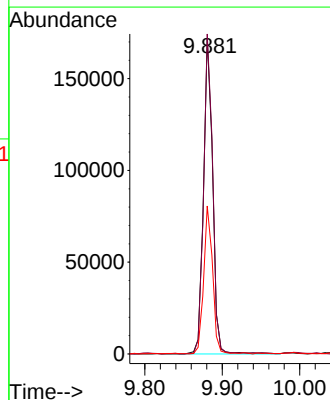
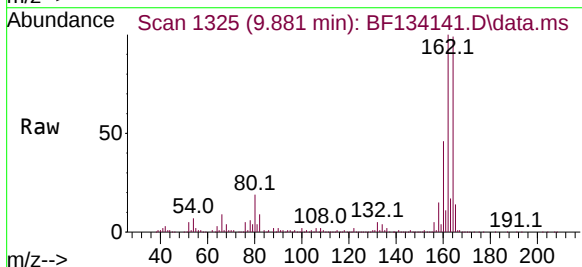
Tgt Ion:164 Resp: 141498

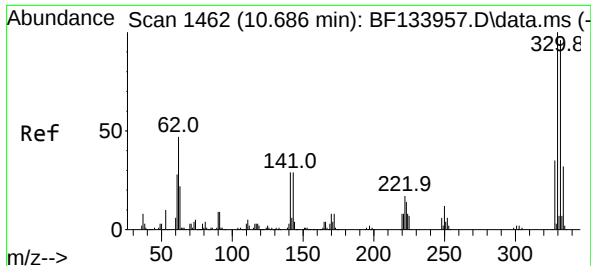
Ion Ratio Lower Upper

164 100

162 101.3 80.0 120.0

160 46.8 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 38.379 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF134141.D

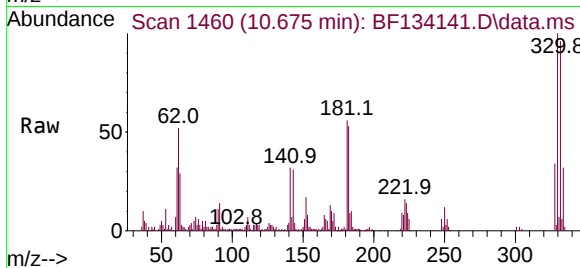
Acq: 07 Jul 2023 16:59

Instrument :

BNA_F

ClientSampleId :

OK-2-063023



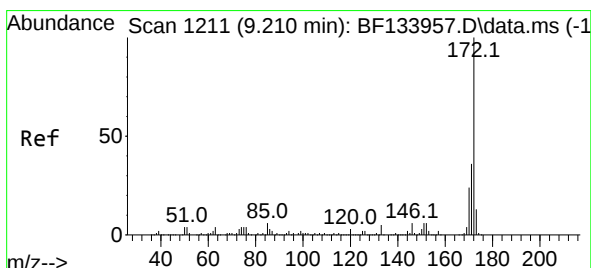
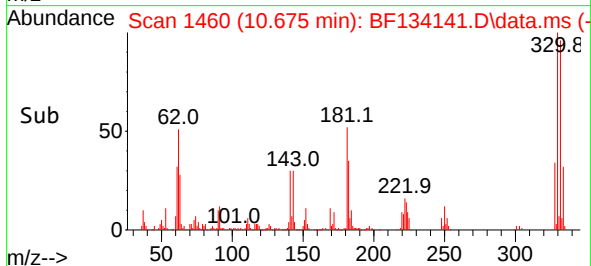
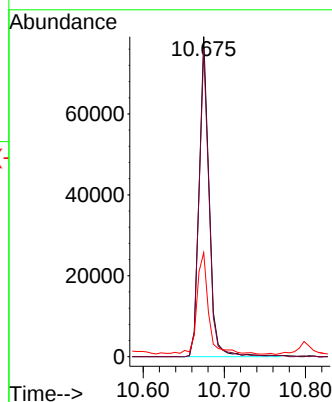
Tgt Ion:330 Resp: 68089

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

141 37.0 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 35.825 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.012 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

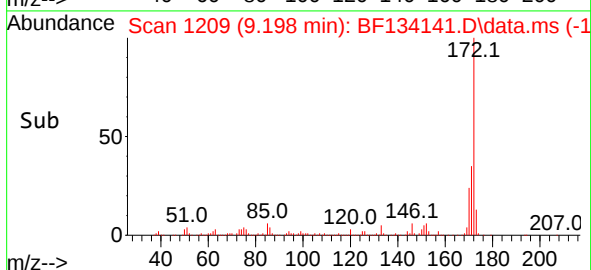
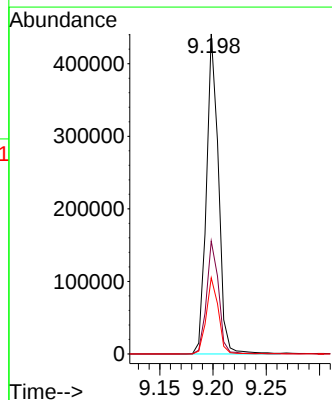
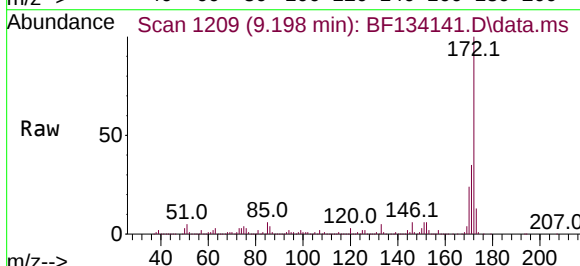
Tgt Ion:172 Resp: 348666

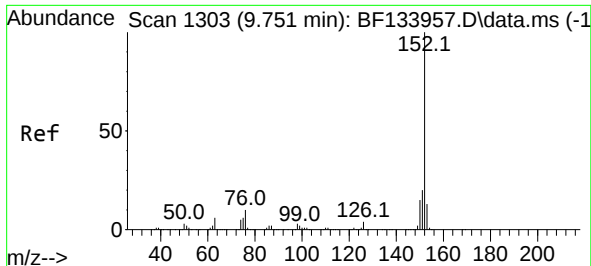
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.8 19.4 29.0





#49

Acenaphthylene

Concen: 9.577 ng

RT: 9.745 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

Instrument :

BNA_F

ClientSampleId :

OK-2-063023

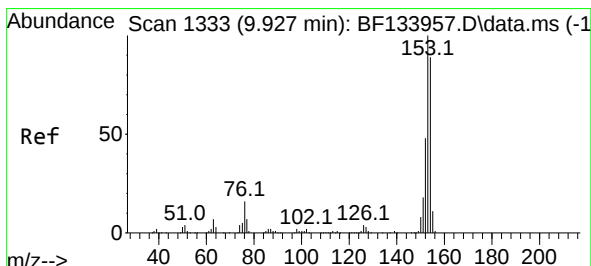
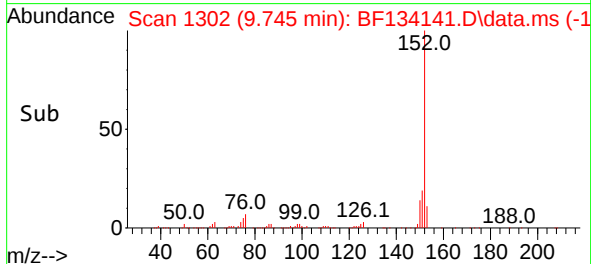
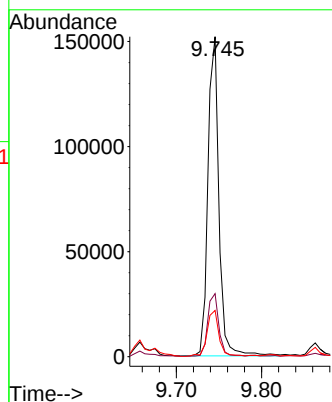
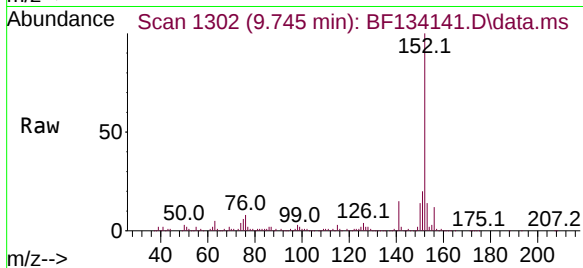
Tgt Ion:152 Resp: 135859

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.2

153 14.5 10.8 16.2



#52

Acenaphthene

Concen: 23.483 ng

RT: 9.916 min Scan# 1331

Delta R.T. -0.012 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

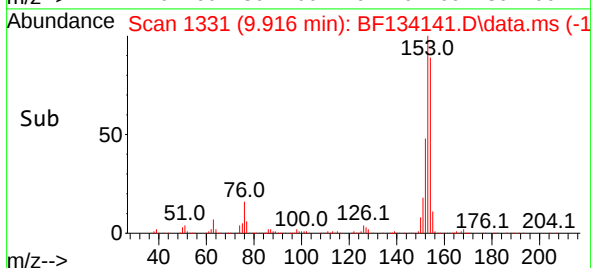
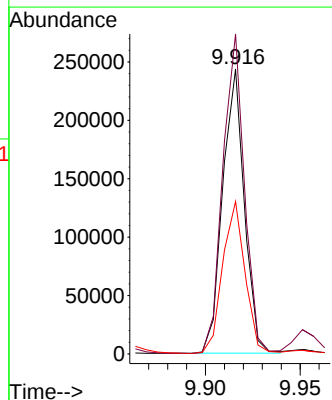
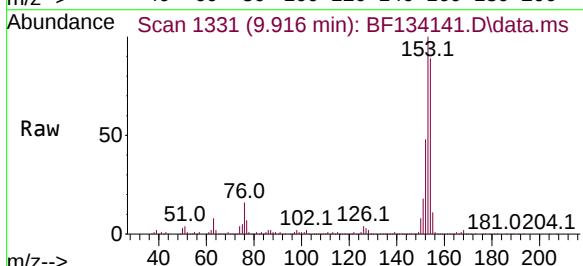
Tgt Ion:154 Resp: 193310

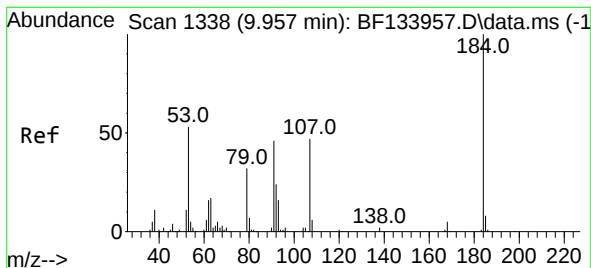
Ion Ratio Lower Upper

154 100

153 112.3 89.4 134.2

152 53.5 42.8 64.2





#54

2,4-Dinitrophenol

Concen: 4.040 ng

RT: 10.175 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

Instrument :

BNA_F

ClientSampleId :

OK-2-063023

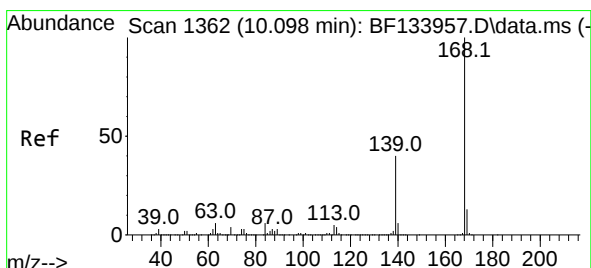
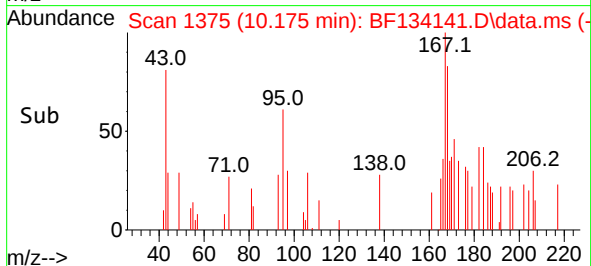
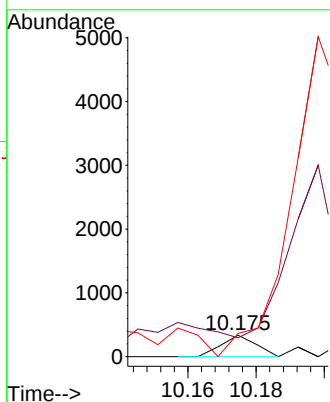
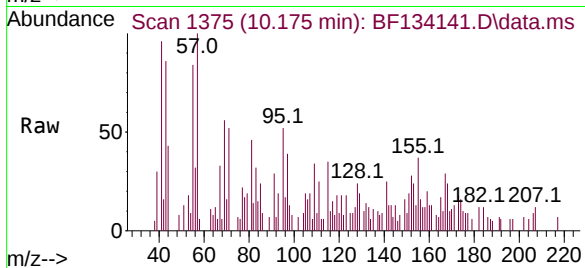
Tgt Ion:184 Resp: 236

Ion Ratio Lower Upper

184 100

63 88.4 56.9 85.3#

154 108.4 55.4 83.0#



#55

Dibenzofuran

Concen: 13.539 ng

RT: 10.086 min Scan# 1360

Delta R.T. -0.012 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

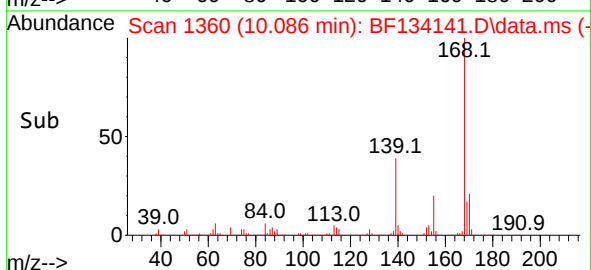
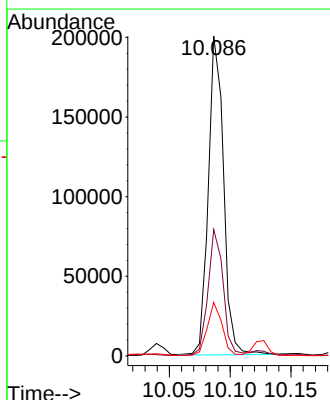
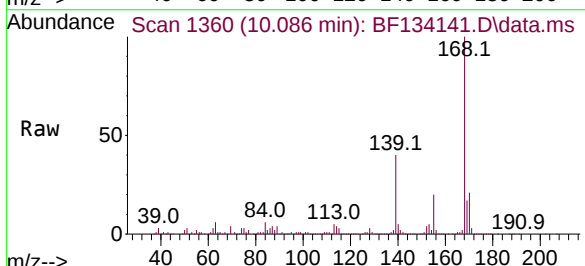
Tgt Ion:168 Resp: 174181

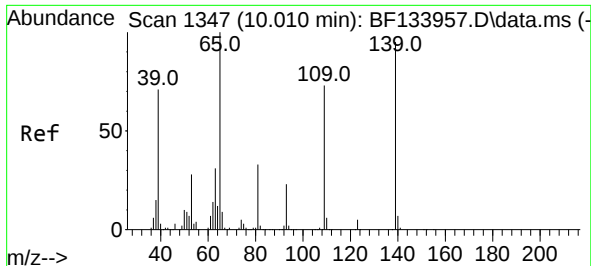
Ion Ratio Lower Upper

168 100

139 39.5 32.0 48.0

169 16.7 10.6 16.0#

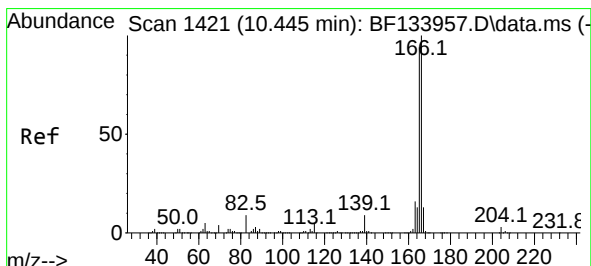
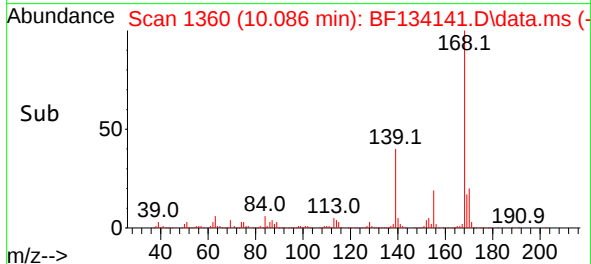
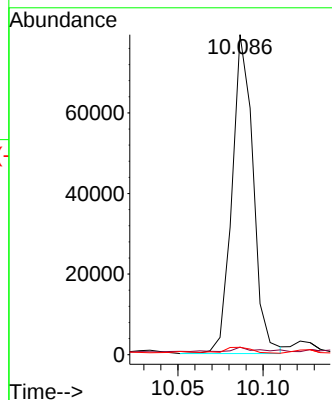
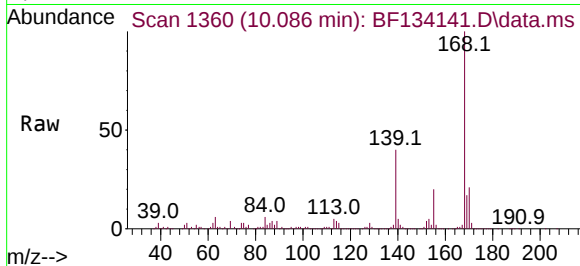




#56
4-Nitrophenol
Concen: 36.698 ng
RT: 10.086 min Scan# 1419
Delta R.T. 0.071 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

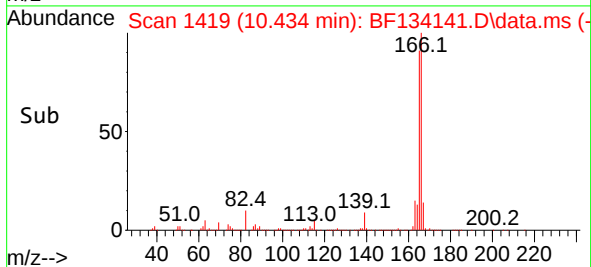
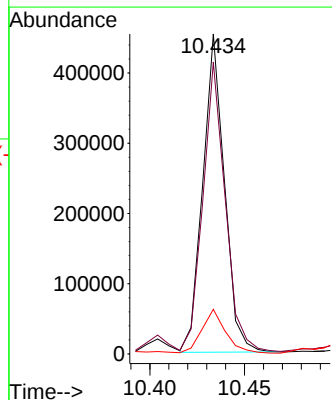
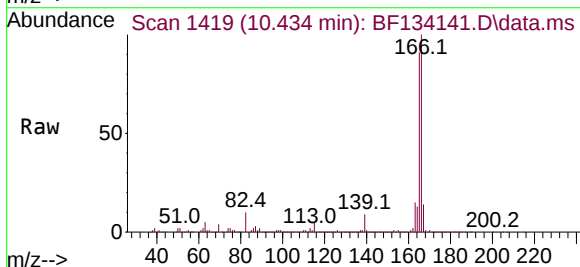
Instrument :
BNA_F
ClientSampleId :
OK-2-063023

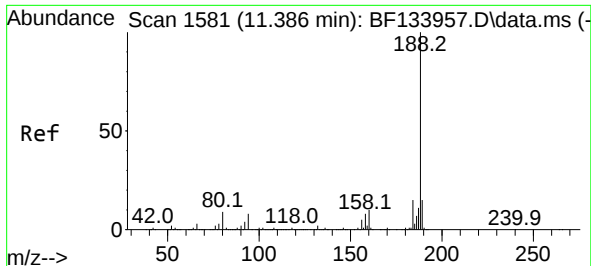
Tgt Ion:139 Resp: 68128
Ion Ratio Lower Upper
139 100
109 2.3 56.8 96.8#
65 2.3 86.1 126.1#



#58
Fluorene
Concen: 35.990 ng
RT: 10.434 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

Tgt Ion:166 Resp: 360217
Ion Ratio Lower Upper
166 100
165 91.2 75.0 112.4
167 13.9 10.6 15.8

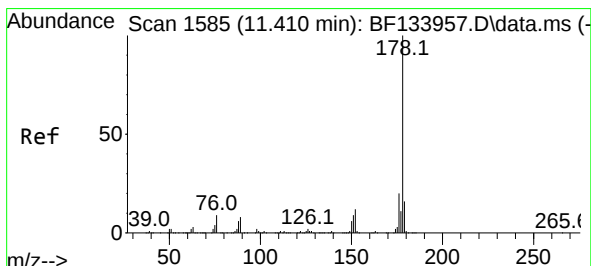
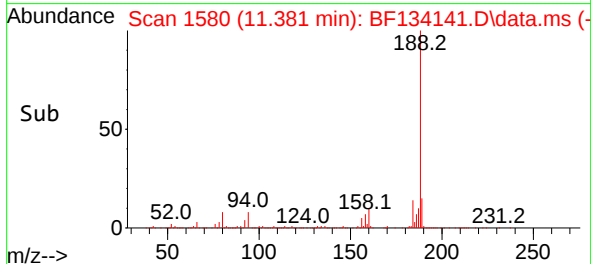
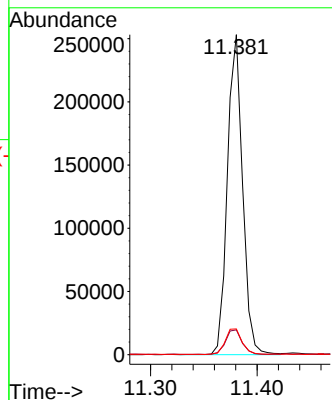
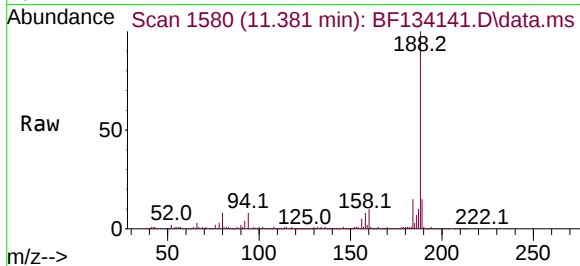




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.381 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

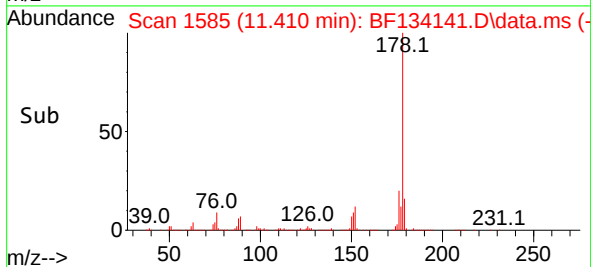
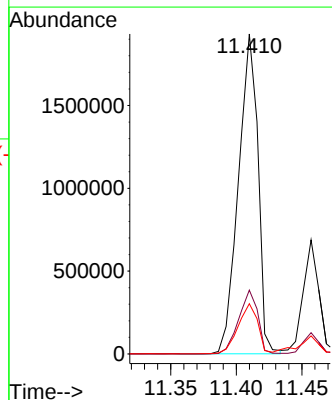
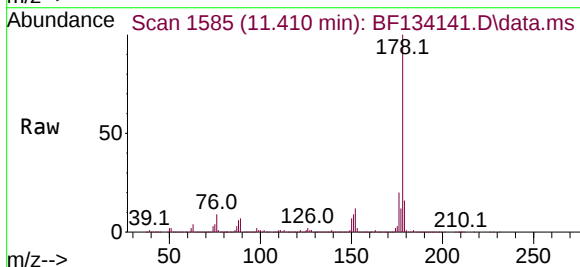
Instrument :
BNA_F
ClientSampleId :
OK-2-063023

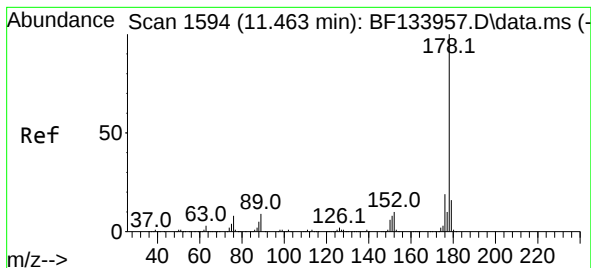
Tgt Ion:188 Resp: 250536
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 8.1 7.3 10.9



#71
Phenanthrene
Concen: 158.733 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

Tgt Ion:178 Resp: 2002010
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 15.7 12.4 18.6





#72

Anthracene

Concen: 40.756 ng

RT: 11.457 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

Instrument :

BNA_F

ClientSampleId :

OK-2-063023

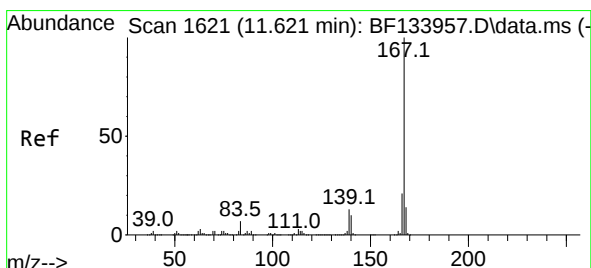
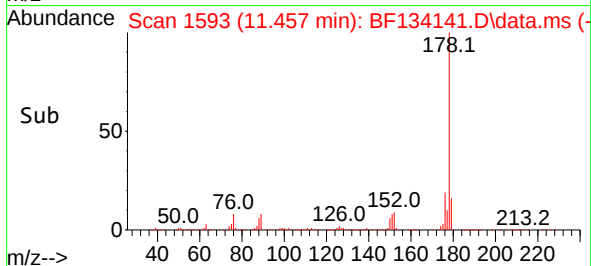
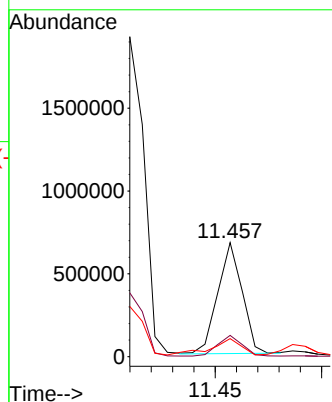
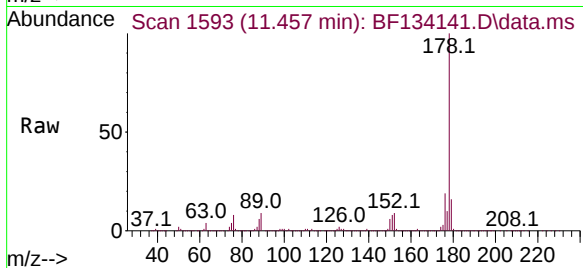
Tgt Ion:178 Resp: 534650

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 15.9 12.4 18.6



#73

Carbazole

Concen: 20.623 ng

RT: 11.610 min Scan# 1619

Delta R.T. -0.012 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

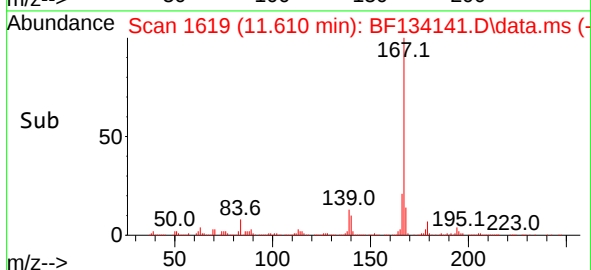
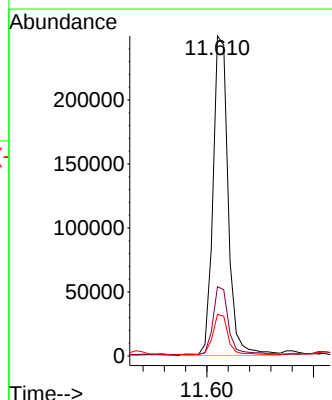
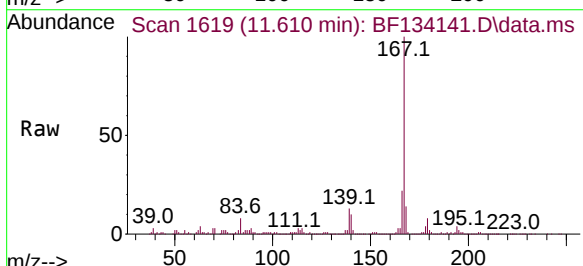
Tgt Ion:167 Resp: 247621

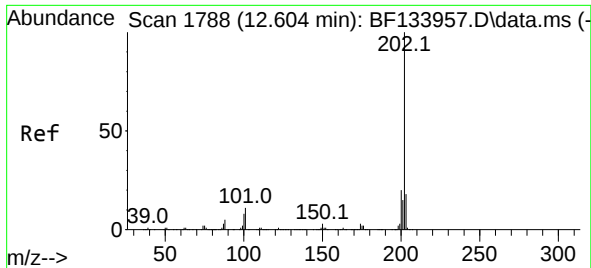
Ion Ratio Lower Upper

167 100

166 21.6 17.0 25.6

139 13.0 10.4 15.6

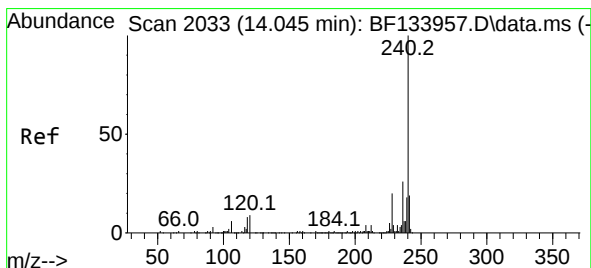
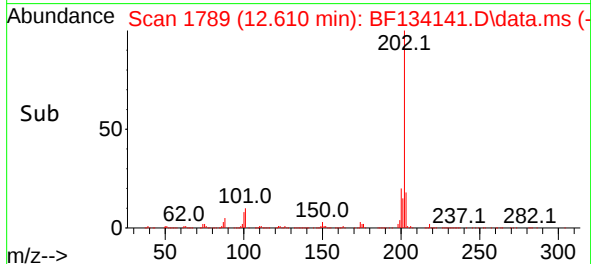
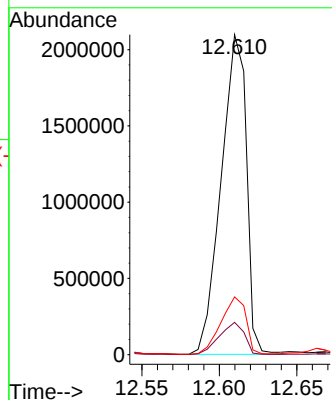
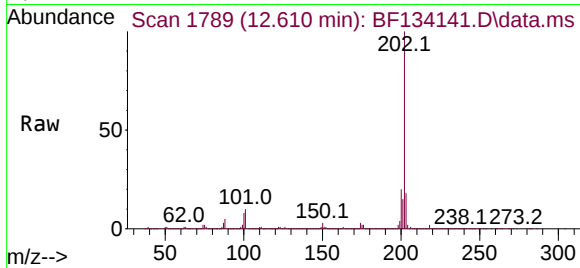




#75
Fluoranthene
Concen: 174.408 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

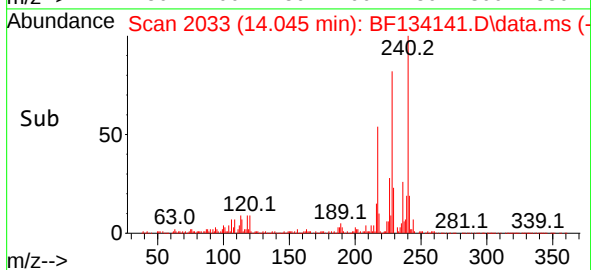
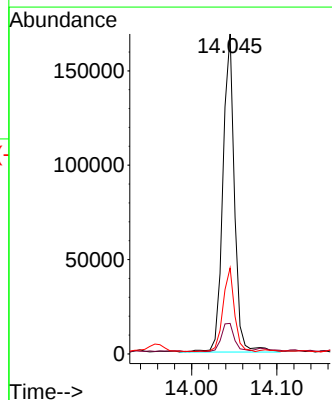
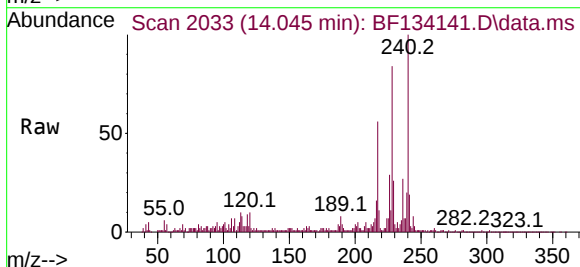
Instrument :
BNA_F
ClientSampleId :
OK-2-063023

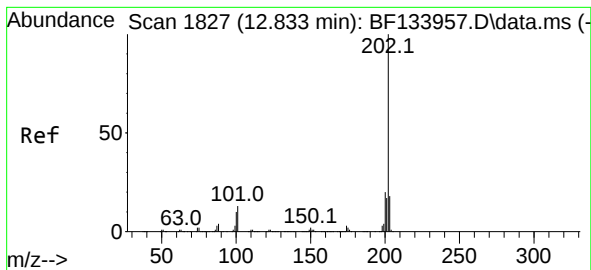
Tgt Ion:202 Resp: 2378088
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.0
203 18.0 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

Tgt Ion:240 Resp: 158893
Ion Ratio Lower Upper
240 100
120 9.5 7.4 11.0
236 26.9 21.0 31.6





#78

Pyrene

Concen: 146.001 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.006 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

Instrument :

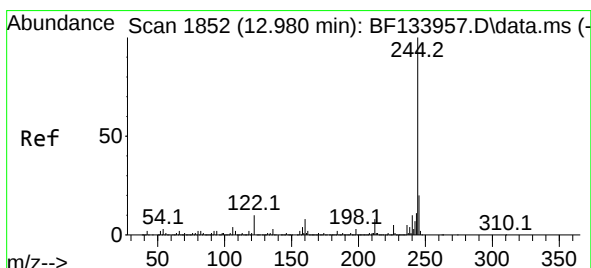
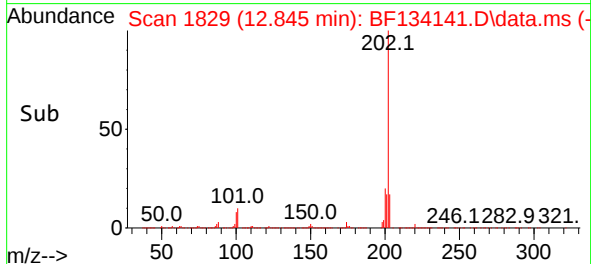
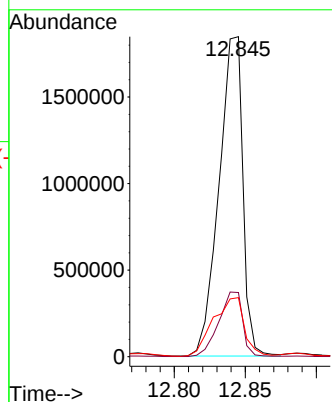
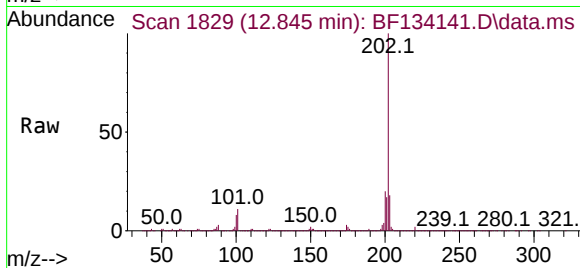
BNA_F

ClientSampleId :

OK-2-063023

Tgt Ion:202 Resp: 2158943

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	18.5	14.3	21.5



#79

Terphenyl-d14

Concen: 35.964 ng

RT: 12.975 min Scan# 1851

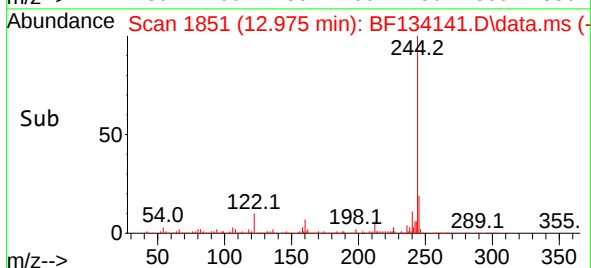
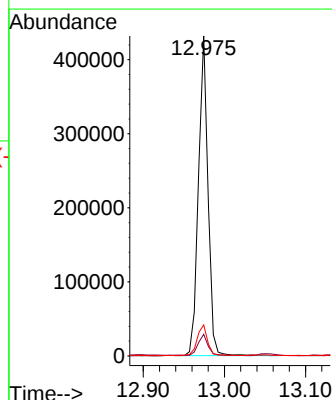
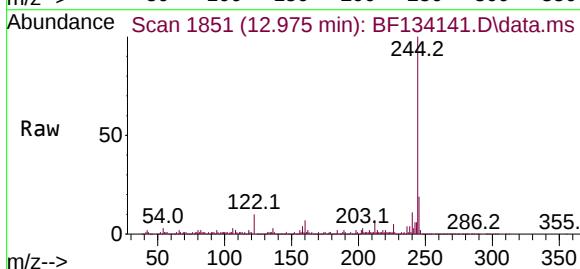
Delta R.T. -0.012 min

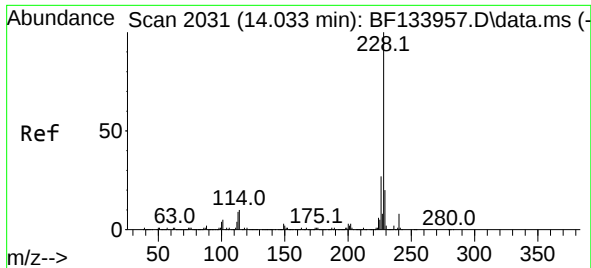
Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

Tgt Ion:244 Resp: 355066

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	9.7	8.3	12.5

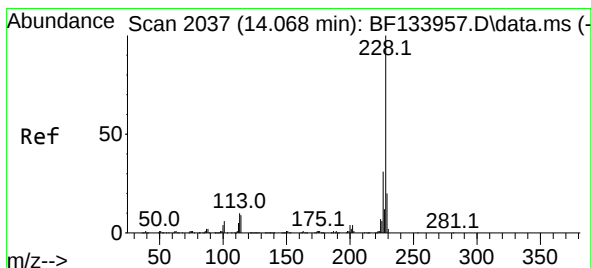
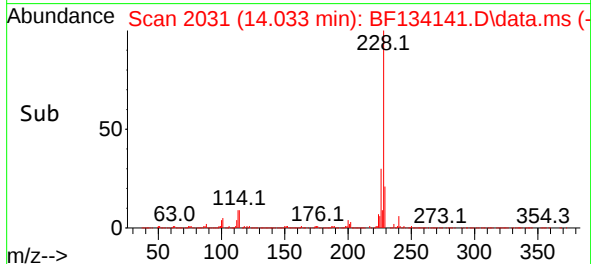
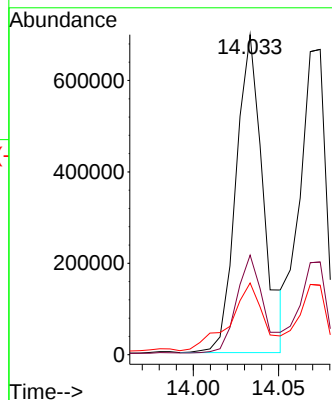
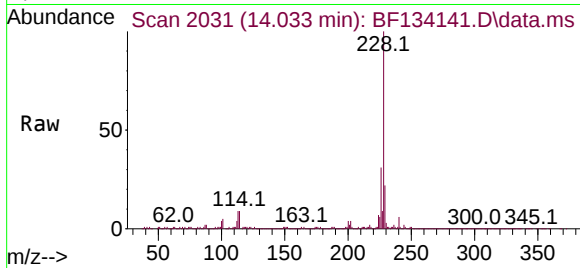




#81
Benzo(a)anthracene
Concen: 69.721 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

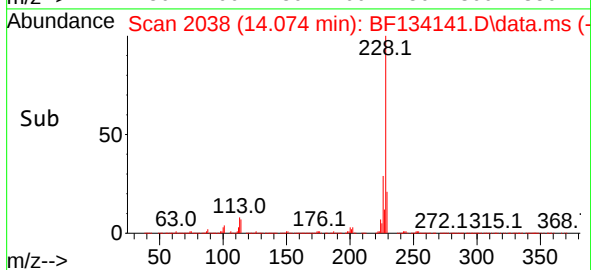
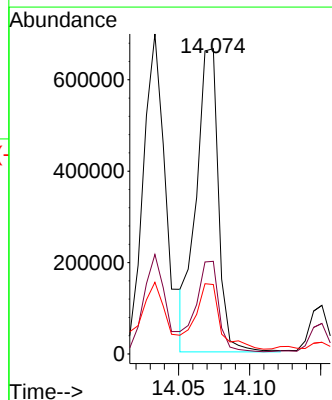
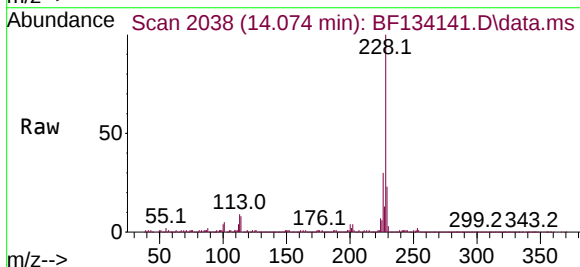
Instrument :
BNA_F
ClientSampleId :
OK-2-063023

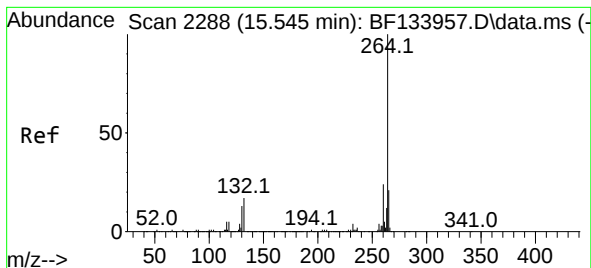
Tgt Ion:228 Resp: 768296
Ion Ratio Lower Upper
228 100
226 31.1 22.0 33.0
229 22.4 16.3 24.5



#83
Chrysene
Concen: 68.120 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF134141.D
Acq: 07 Jul 2023 16:59

Tgt Ion:228 Resp: 727054
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.7 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

Instrument :

BNA_F

ClientSampleId :

OK-2-063023

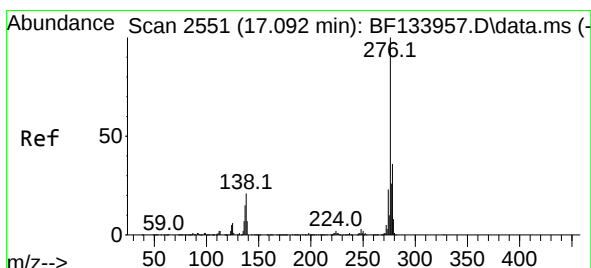
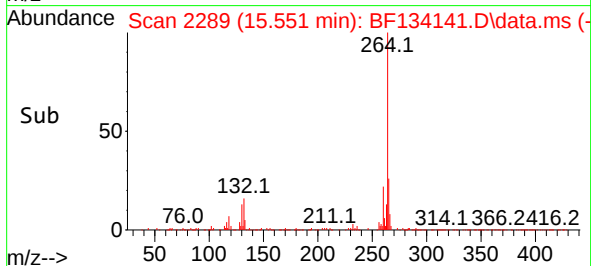
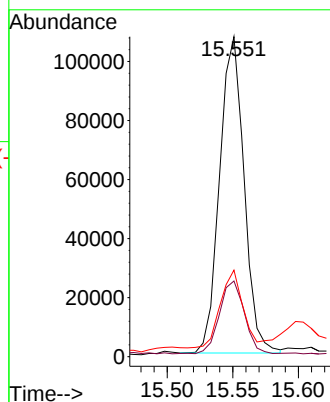
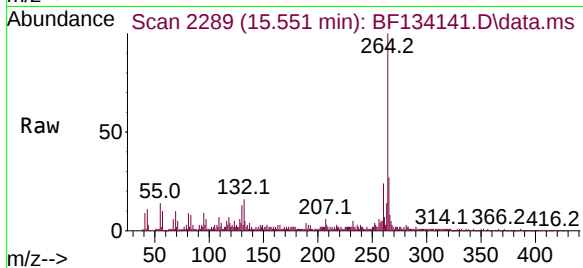
Tgt Ion:264 Resp: 138934

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 27.0 16.6 25.0#



#87

Indeno(1,2,3-cd)pyrene

Concen: 21.364 ng

RT: 17.098 min Scan# 2552

Delta R.T. -0.012 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

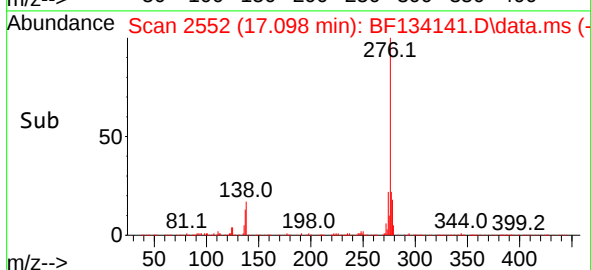
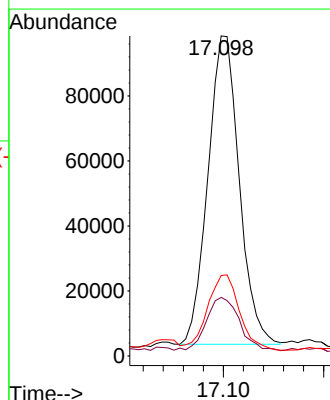
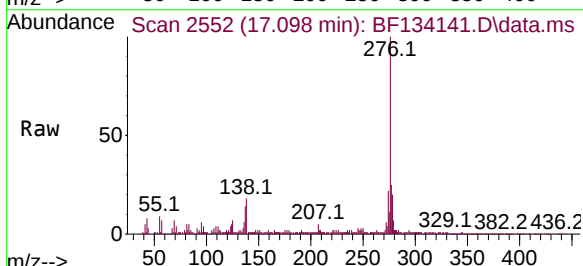
Tgt Ion:276 Resp: 205960

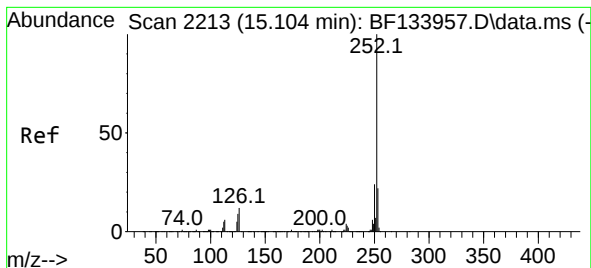
Ion Ratio Lower Upper

276 100

138 19.1 18.7 28.1

277 25.0 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 89.738 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.000 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

Instrument :

BNA_F

ClientSampleId :

OK-2-063023

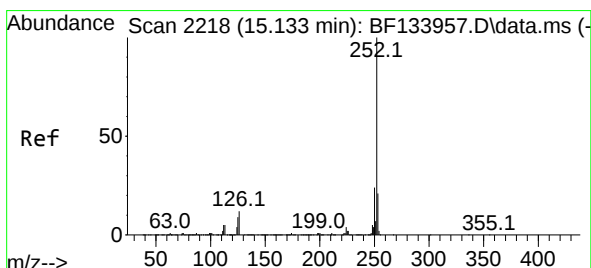
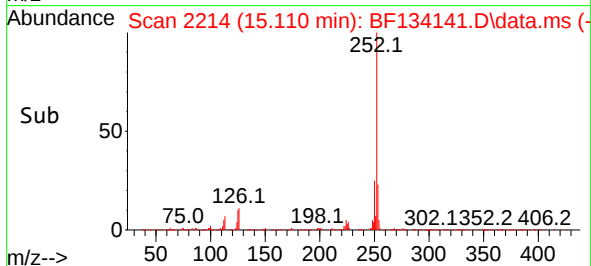
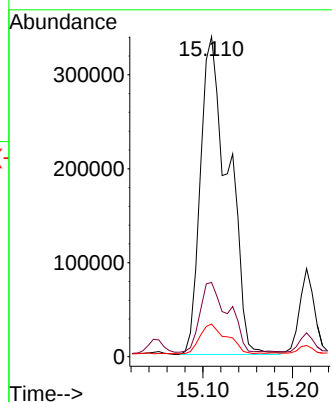
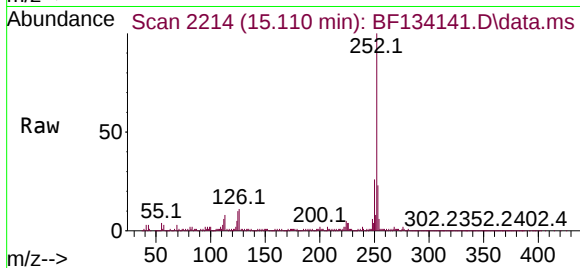
Tgt Ion:252 Resp: 733105

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 10.2 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 88.138 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.029 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

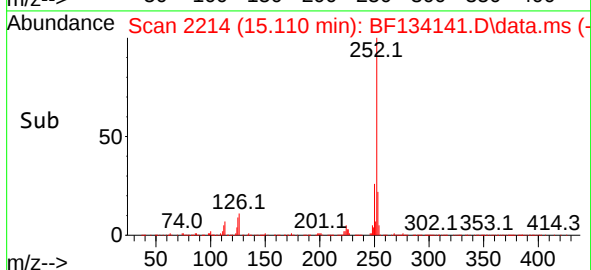
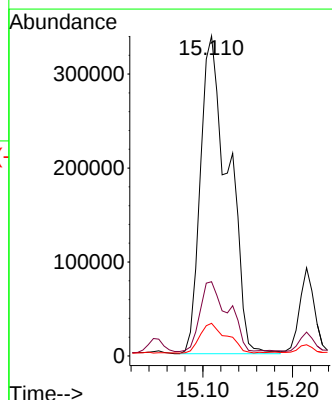
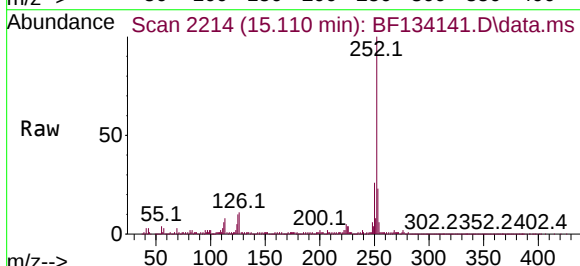
Tgt Ion:252 Resp: 733105

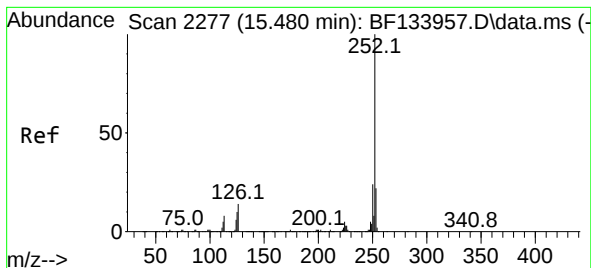
Ion Ratio Lower Upper

252 100

253 23.2 16.9 25.3

125 10.2 7.4 11.2





#90

Benzo(a)pyrene

Concen: 59.455 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

Instrument :

BNA_F

ClientSampleId :

OK-2-063023

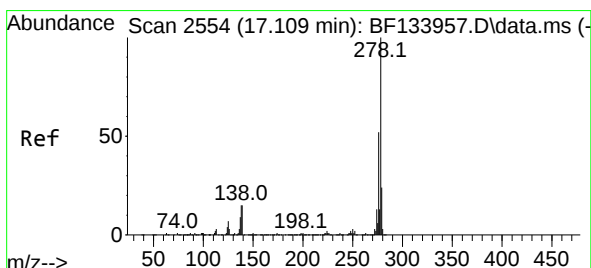
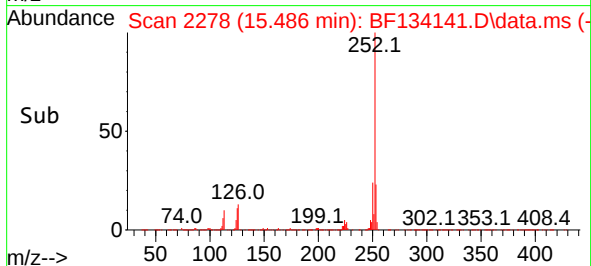
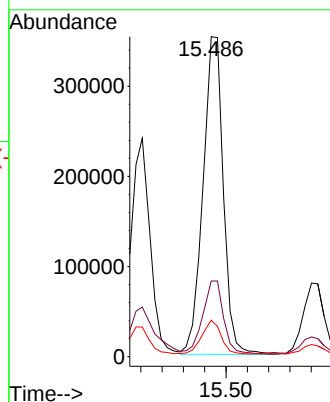
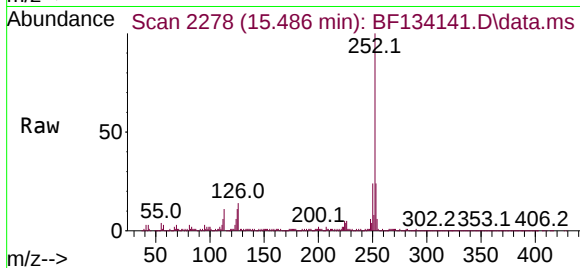
Tgt Ion:252 Resp: 469681

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 11.4 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 6.436 ng

RT: 17.110 min Scan# 2554

Delta R.T. -0.018 min

Lab File: BF134141.D

Acq: 07 Jul 2023 16:59

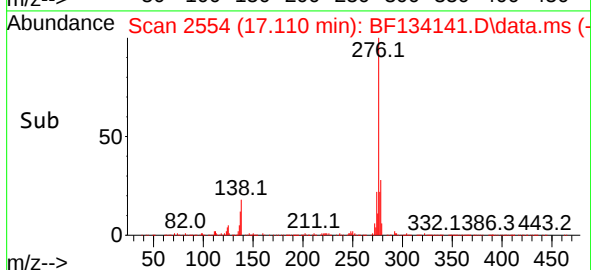
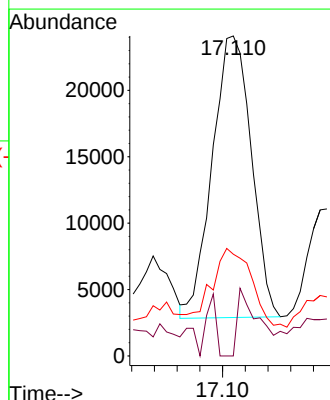
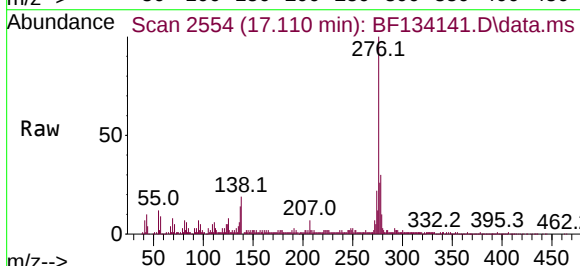
Tgt Ion:278 Resp: 50678

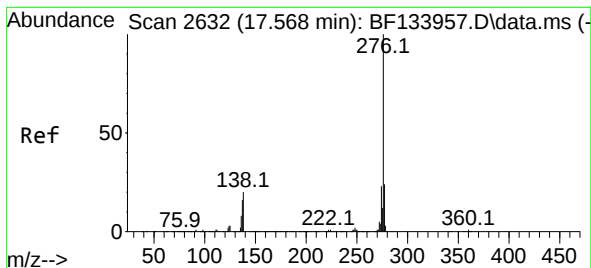
Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

279 31.8 19.4 29.2#





#92

Benzo(g,h,i)perylene

Concen: 26.673 ng

RT: 17.574 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134141.D

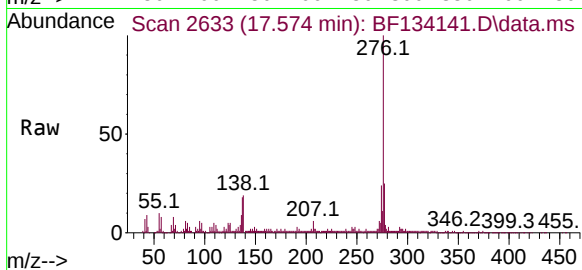
Acq: 07 Jul 2023 16:59

Instrument :

BNA_F

ClientSampleId :

OK-2-063023



Tgt Ion:276 Resp: 216598

Ion Ratio Lower Upper

276 100

277 25.1 19.0 28.6

138 18.7 16.2 24.2

