

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122322\
 Data File : BF131817.D
 Acq On : 23 Dec 2022 20:57
 Operator : CG\JU
 Sample : N6038-11RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-34-(1.5-2)RE

Quant Time: Dec 24 03:10:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 24 00:05:44 2022
 Response via : Initial Calibration

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

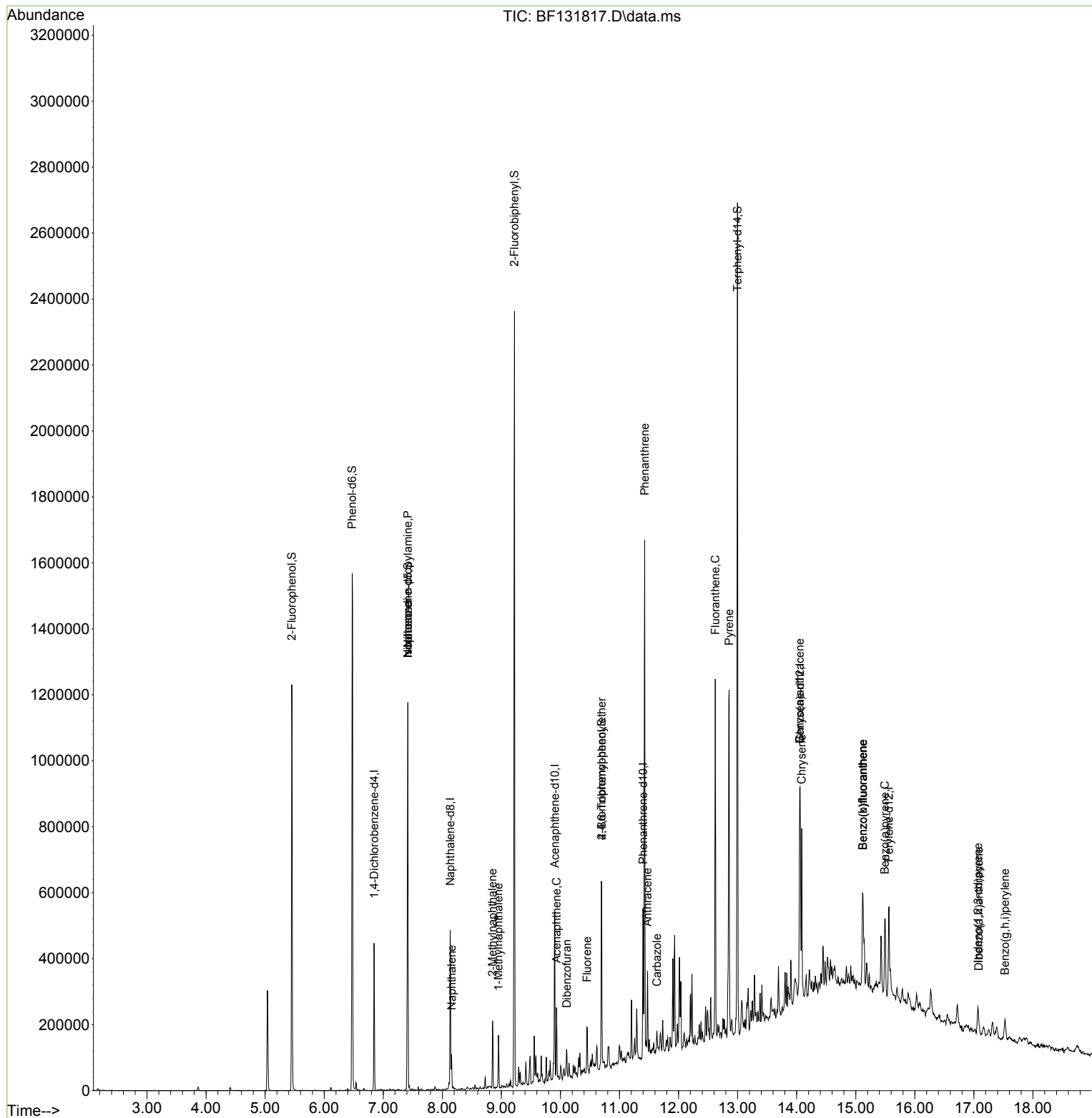
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	55595	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	188628	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	94789	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	159665	20.000	ng	-0.01
76) Chrysene-d12	14.057	240	136073	20.000	ng	-0.01
86) Perylene-d12	15.562	264	120668	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	297376	90.071	ng	0.00
7) Phenol-d6	6.475	99	536399	120.706	ng	-0.01
23) Nitrobenzene-d5	7.416	82	368605	79.331	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	60819	58.621	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	660166	97.562	ng	0.00
79) Terphenyl-d14	12.998	244	782127	89.582	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	1456	Below Cal		94
19) n-Nitroso-di-n-propyla...	7.416	70	50615	15.793	ng	# 80
25) Isophorone	7.416	82	368602	46.713	ng	# 70
31) Naphthalene	8.157	128	34152	3.315	ng	98
37) 2-Methylnaphthalene	8.851	142	45382	6.458	ng	97
38) 1-Methylnaphthalene	8.951	142	34938	5.134	ng	100
52) Acenaphthene	9.933	154	38659	7.207	ng	98
55) Dibenzofuran	10.110	168	21424	2.604	ng	97
58) Fluorene	10.451	166	32887	4.945	ng	96
67) 4-Bromophenyl-phenylether	10.698	248	4118	2.184	ng	# 1
71) Phenanthrene	11.427	178	526005	60.417	ng	99
72) Anthracene	11.474	178	82851	9.719	ng	99
73) Carbazole	11.633	167	19741	2.677	ng	99
75) Fluoranthene	12.621	202	392065	40.435	ng	99
78) Pyrene	12.857	202	462442	37.379	ng	98
81) Benzo(a)anthracene	14.051	228	203574	20.773	ng	97
83) Chrysene	14.086	228	191109	20.661	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	50336	6.210	ng	99
88) Benzo(b)fluoranthene	15.121	252	218781	25.627	ng	# 92
89) Benzo(k)fluoranthene	15.121	252	218781	26.263	ng	# 93
90) Benzo(a)pyrene	15.492	252	115738	17.115	ng	# 95
91) Dibenzo(a,h)anthracene	17.080	278	14611	2.181	ng	# 90
92) Benzo(g,h,i)perylene	17.527	276	48201	7.281	ng	95

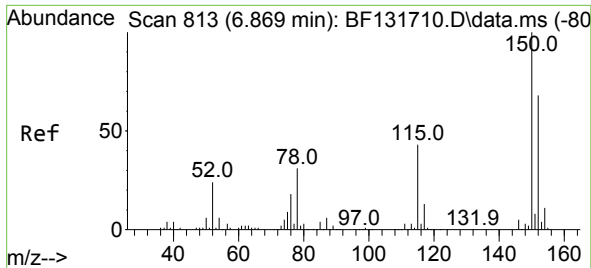
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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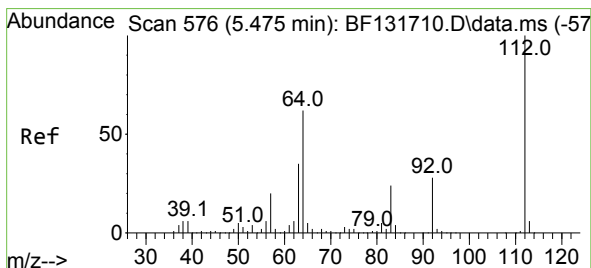
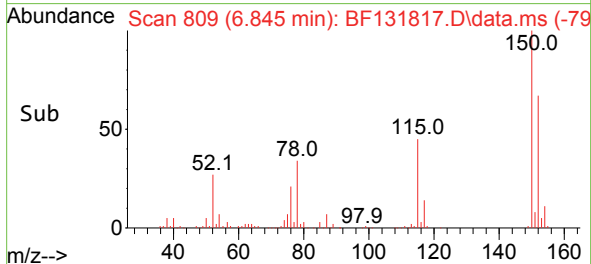
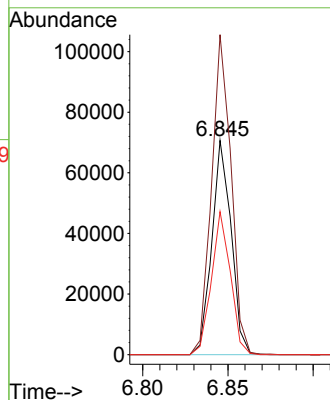
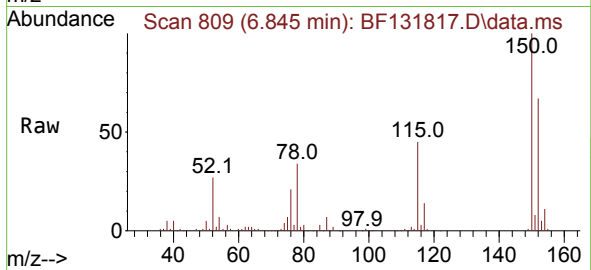




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

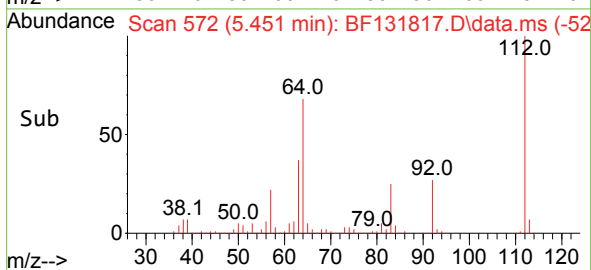
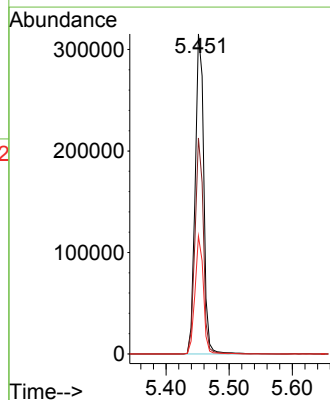
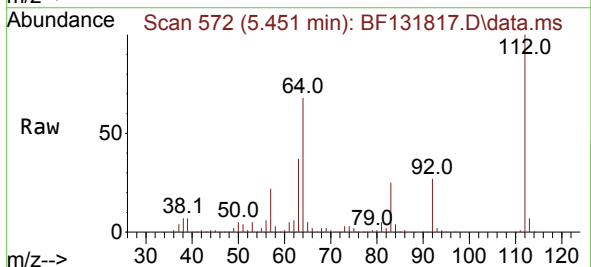
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE

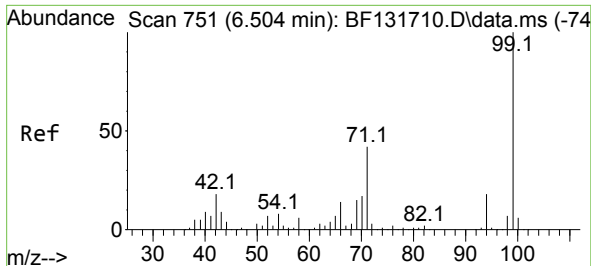
Tgt Ion:152 Resp: 55595
Ion Ratio Lower Upper
152 100
150 149.4 117.4 176.0
115 66.8 50.2 75.4



#5
2-Fluorophenol
Concen: 90.071 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Tgt Ion:112 Resp: 297376
Ion Ratio Lower Upper
112 100
64 67.5 49.5 74.3
63 36.8 28.2 42.2

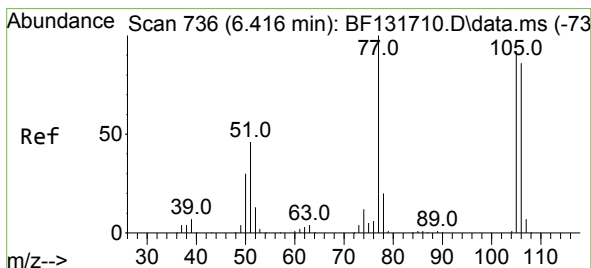
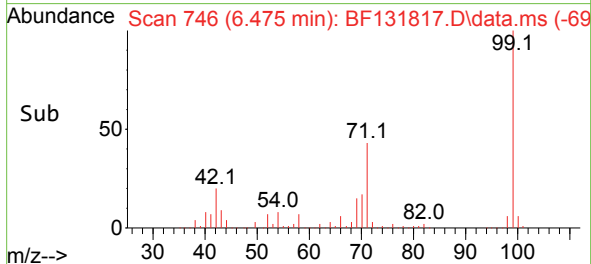
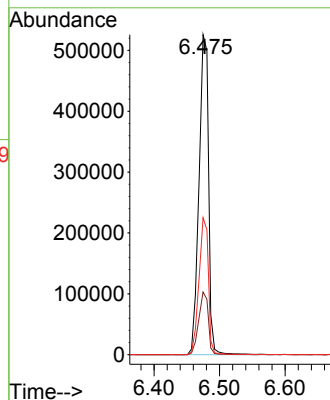
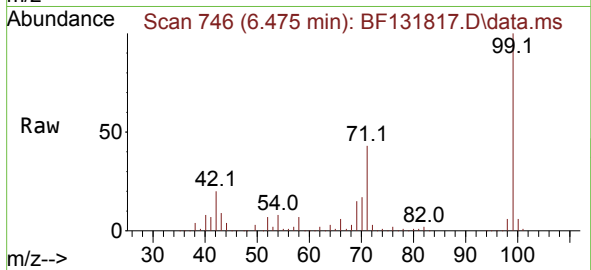




#7
Phenol-d6
Concen: 120.706 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

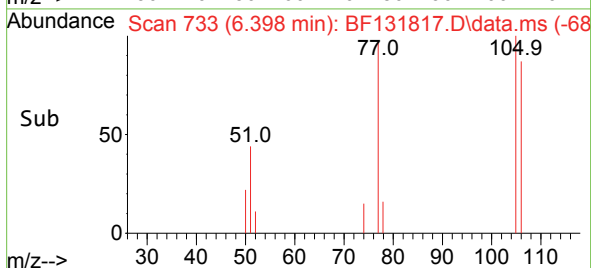
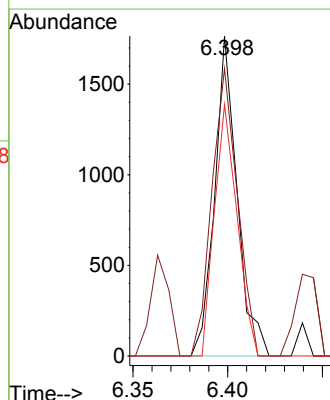
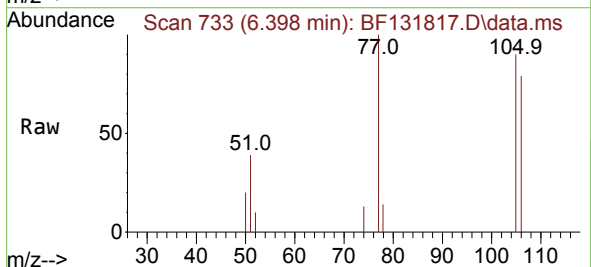
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE

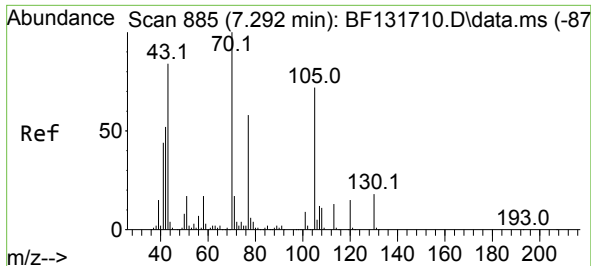
Tgt Ion: 99 Resp: 536399
Ion Ratio Lower Upper
99 100
42 19.6 14.8 22.2
71 42.8 33.8 50.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.398 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

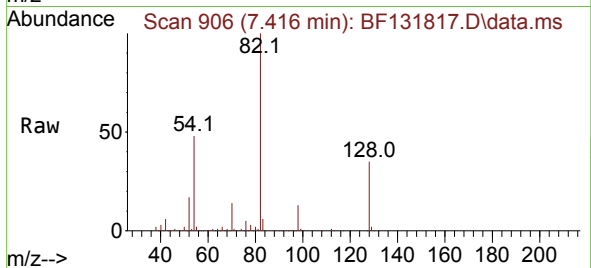
Tgt Ion: 77 Resp: 1456
Ion Ratio Lower Upper
77 100
105 89.8 72.4 112.4
106 78.5 66.5 106.5



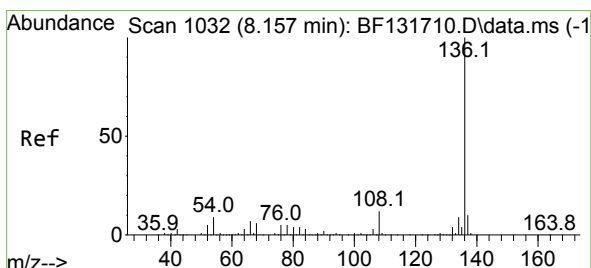
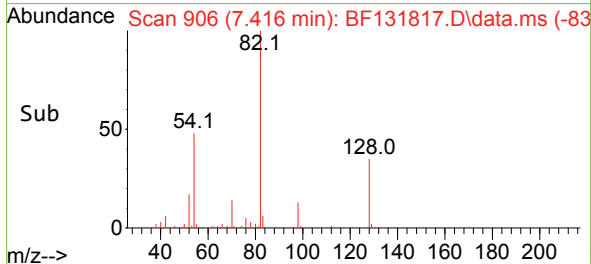
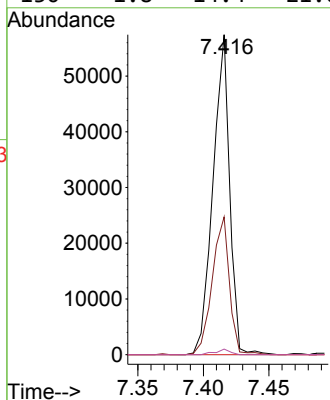


#19
n-Nitroso-di-n-propylamine
Concen: 15.793 ng
RT: 7.416 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE

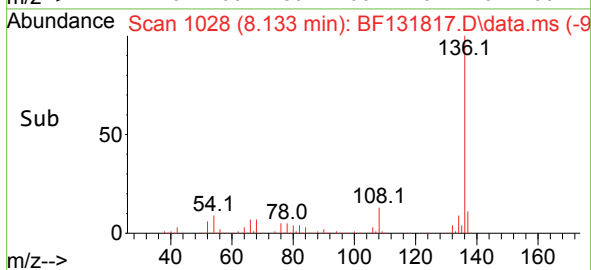
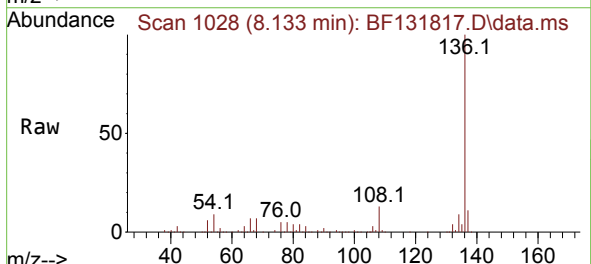
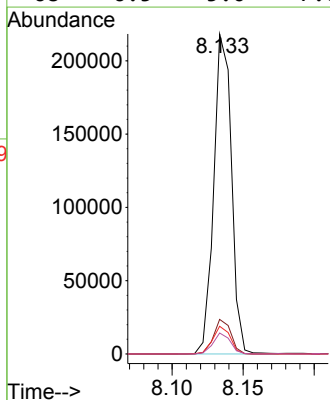


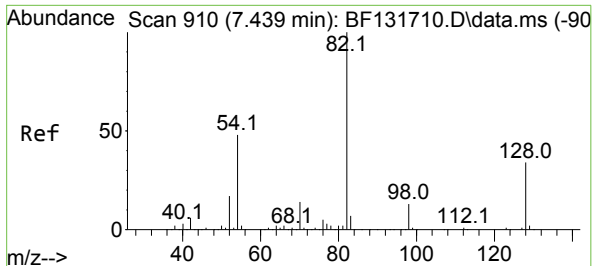
Tgt Ion: 70	Resp: 50615
Ion Ratio	Lower Upper
70	100
42	43.1 41.5 62.3
101	0.0 7.3 10.9#
130	1.8 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Tgt Ion: 136	Resp: 188628
Ion Ratio	Lower Upper
136	100
137	10.8 8.4 12.6
54	8.6 7.2 10.8
68	6.5 5.0 7.6





#23

Nitrobenzene-d5

Concen: 79.331 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)RE

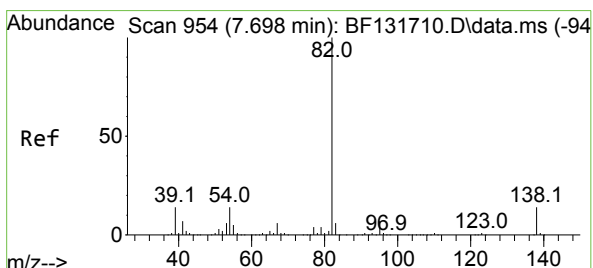
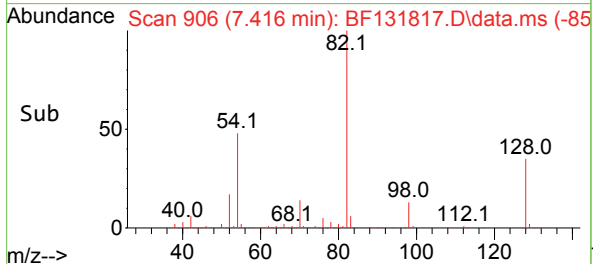
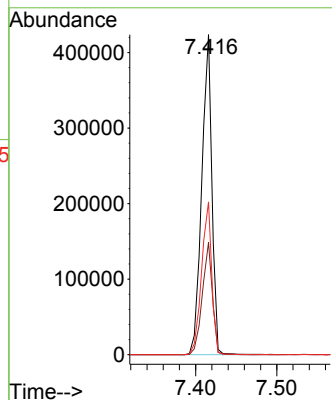
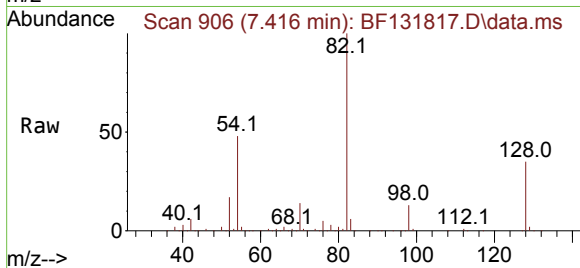
Tgt Ion: 82 Resp: 368605

Ion Ratio Lower Upper

82 100

128 35.1 27.3 40.9

54 47.8 38.2 57.2



#25

Isophorone

Concen: 46.713 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.270 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

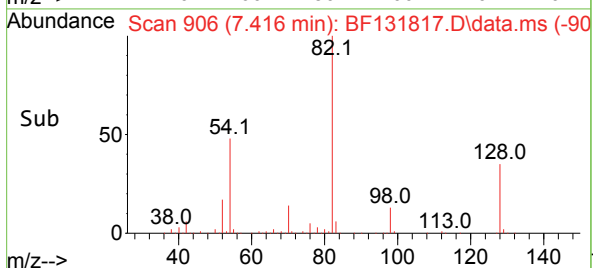
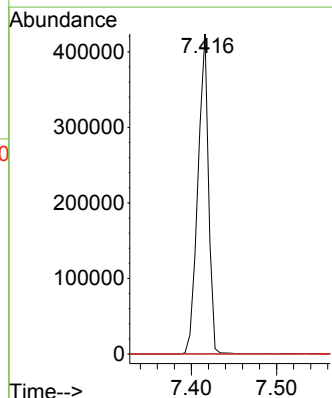
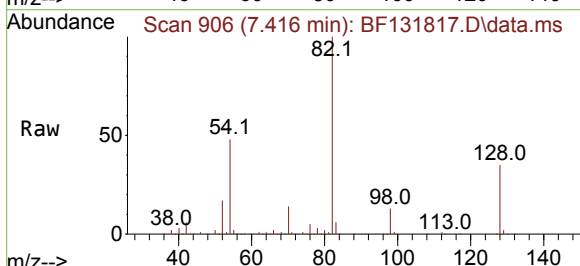
Tgt Ion: 82 Resp: 368602

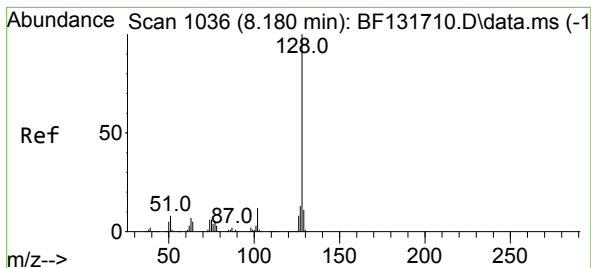
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 11.6 17.4#





#31

Naphthalene

Concen: 3.315 ng

RT: 8.157 min Scan# 110

Delta R.T. -0.012 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)RE

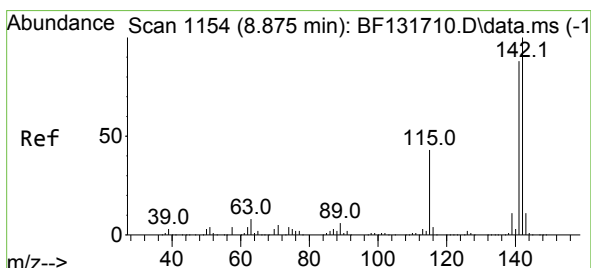
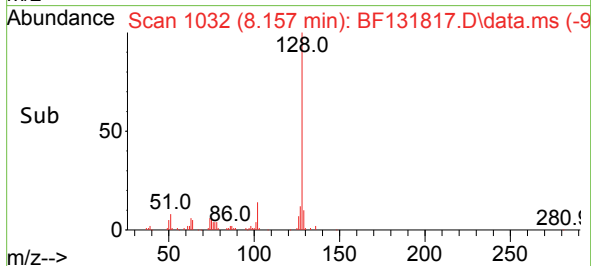
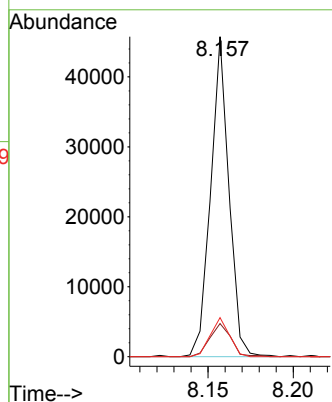
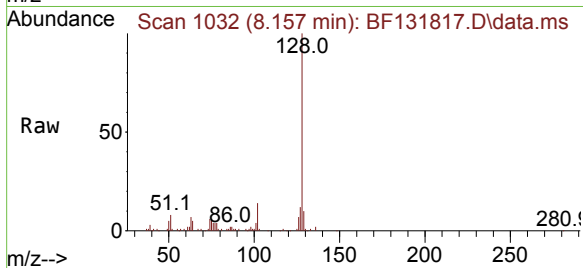
Tgt Ion:128 Resp: 34152

Ion Ratio Lower Upper

128 100

129 10.4 8.9 13.3

127 12.2 10.6 15.8



#37

2-Methylnaphthalene

Concen: 6.458 ng

RT: 8.851 min Scan# 1150

Delta R.T. -0.012 min

Lab File: BF131817.D

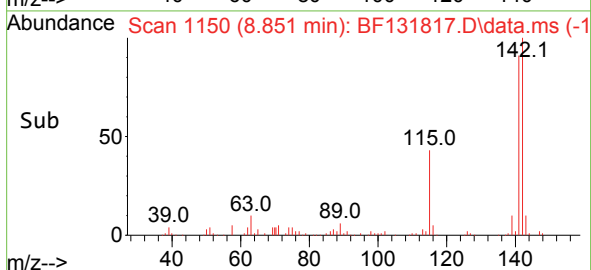
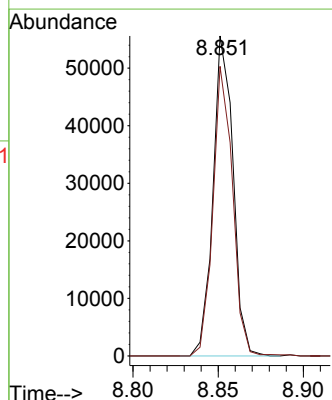
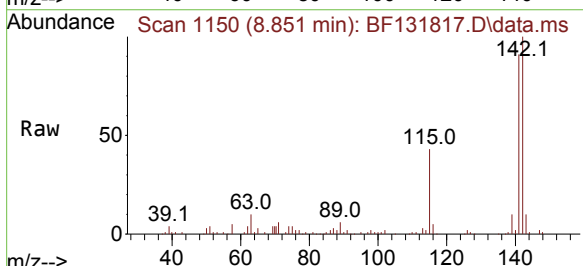
Acq: 23 Dec 2022 20:57

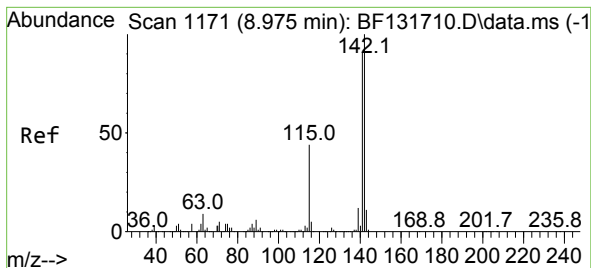
Tgt Ion:142 Resp: 45382

Ion Ratio Lower Upper

142 100

141 90.5 70.4 105.6





#38

1-Methylnaphthalene

Concen: 5.134 ng

RT: 8.951 min Scan# 1167

Delta R.T. -0.012 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

Instrument :

BNA_F

ClientSampleId :

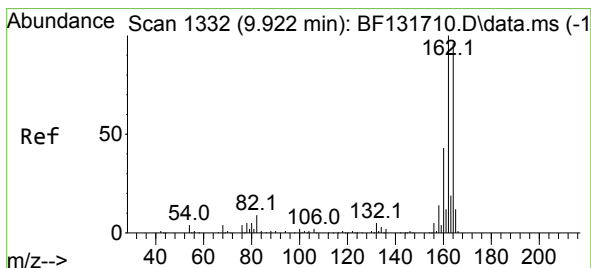
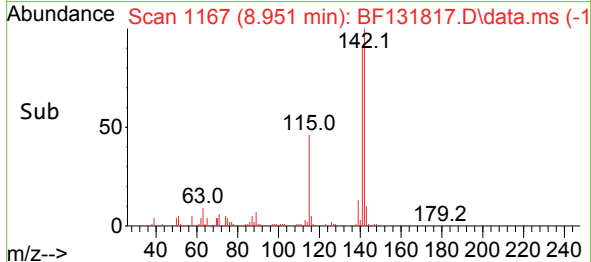
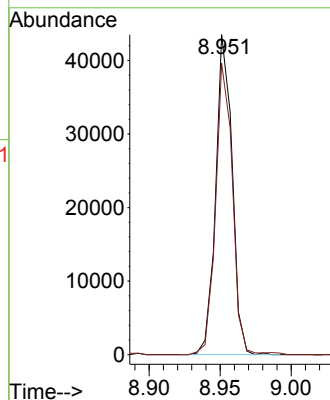
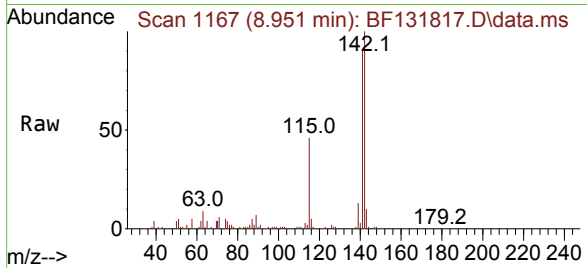
RB-34-(1.5-2)RE

Tgt Ion:142 Resp: 34938

Ion Ratio Lower Upper

142 100

141 91.1 73.0 109.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

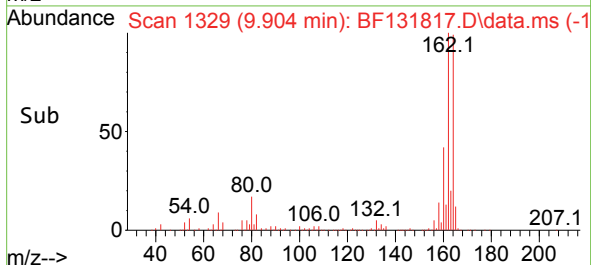
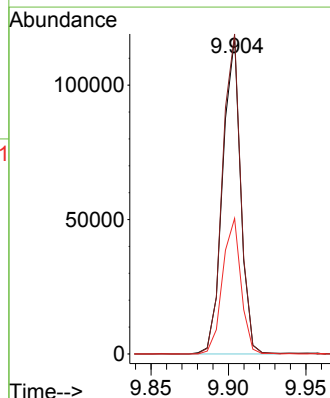
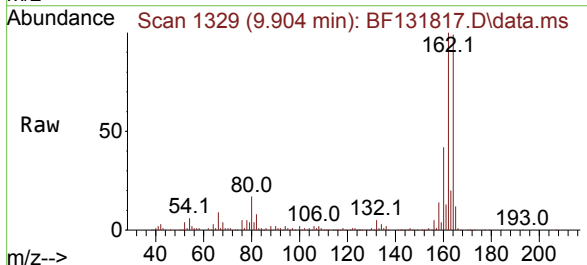
Tgt Ion:164 Resp: 94789

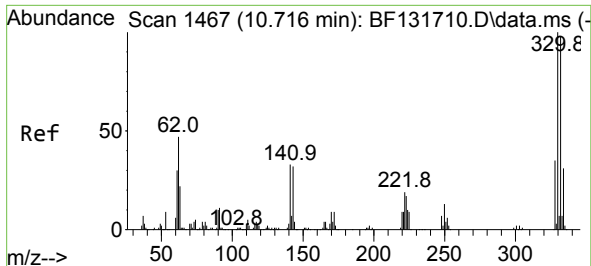
Ion Ratio Lower Upper

164 100

162 101.0 83.7 125.5

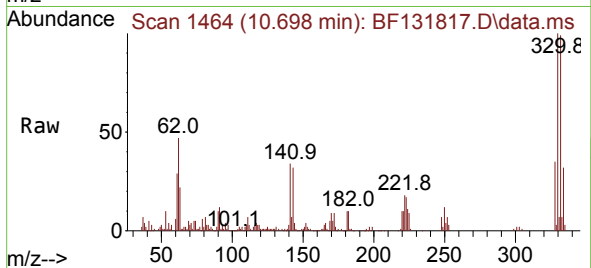
160 42.8 36.2 54.4



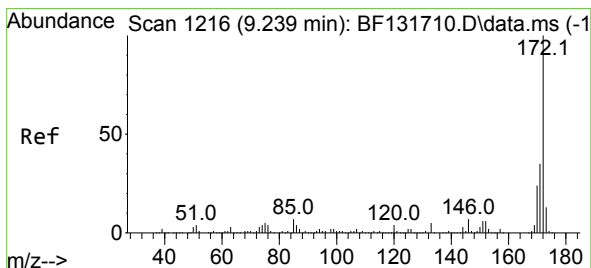
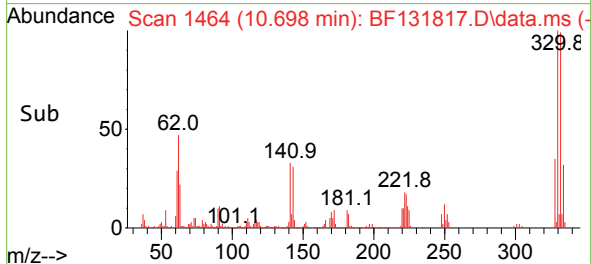
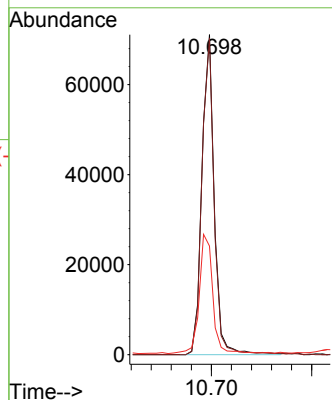


#42
2,4,6-Tribromophenol
Concen: 58.621 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Instrument :
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ClientSampleId :
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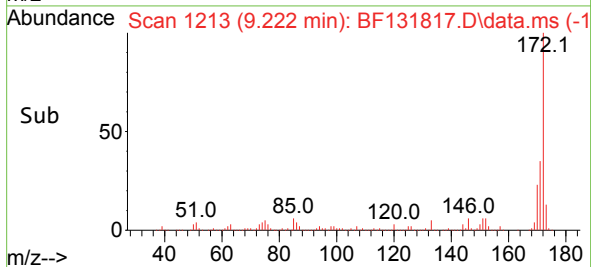
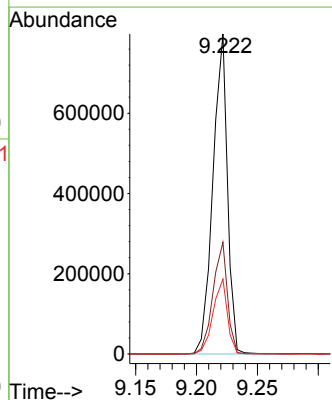
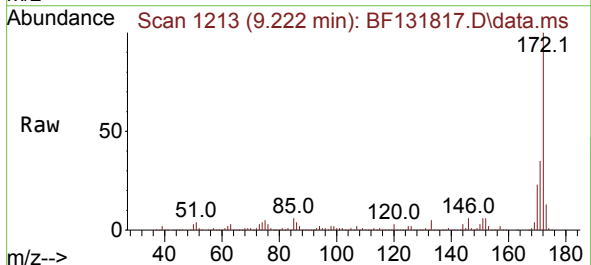


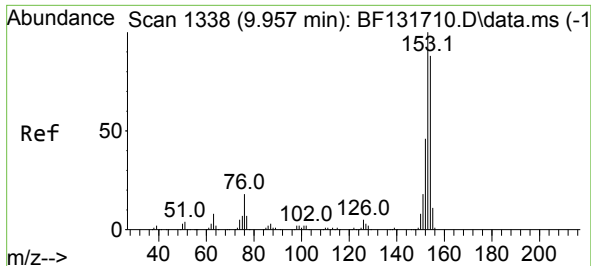
Tgt Ion:330 Resp: 60819
Ion Ratio Lower Upper
330 100
332 98.5 77.1 115.7
141 40.6 30.4 45.6



#45
2-Fluorobiphenyl
Concen: 97.562 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Tgt Ion:172 Resp: 660166
Ion Ratio Lower Upper
172 100
171 34.9 27.9 41.9
170 23.4 19.0 28.4

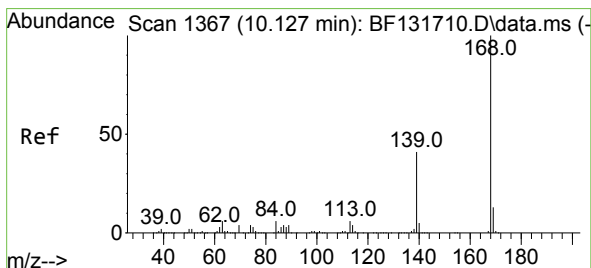
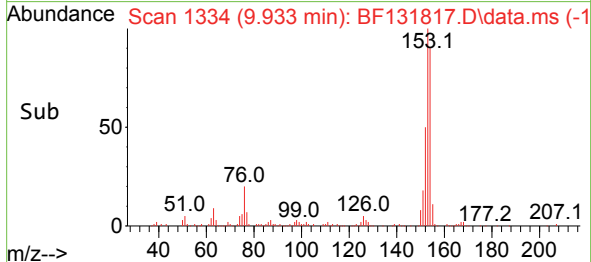
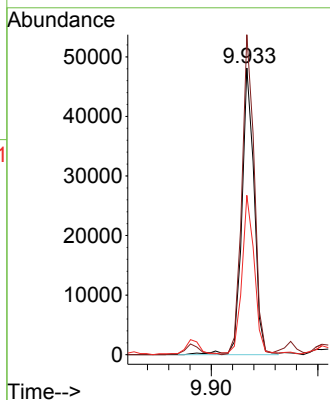
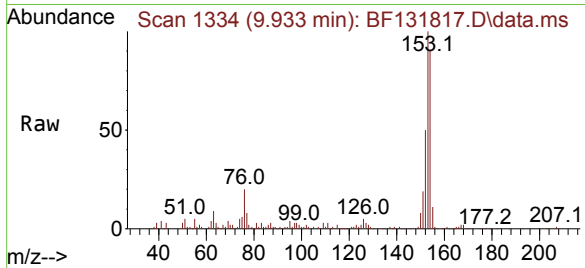




#52
Acenaphthene
Concen: 7.207 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.018 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

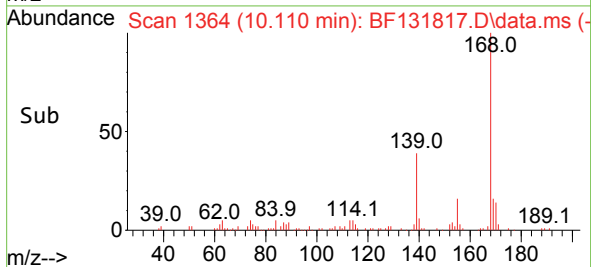
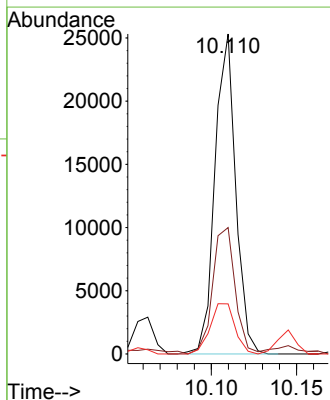
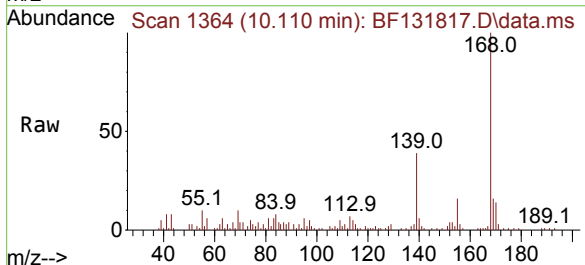
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE

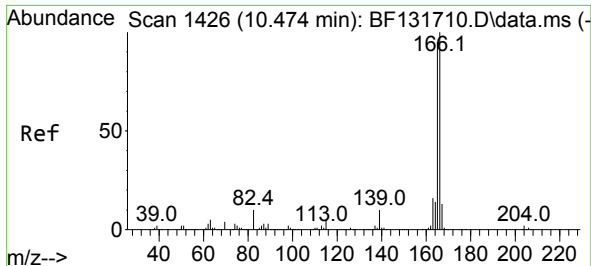
Tgt Ion:154 Resp: 38659
Ion Ratio Lower Upper
154 100
153 111.6 90.4 135.6
152 55.6 42.0 63.0



#55
Dibenzofuran
Concen: 2.604 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Tgt Ion:168 Resp: 21424
Ion Ratio Lower Upper
168 100
139 39.5 32.7 49.1
169 15.7 10.6 16.0

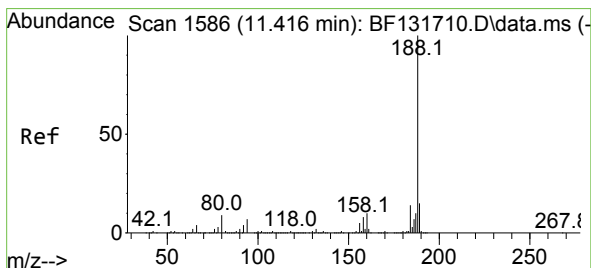
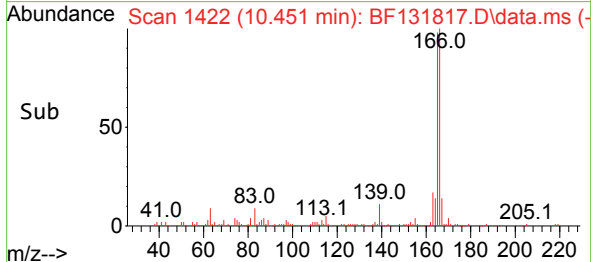
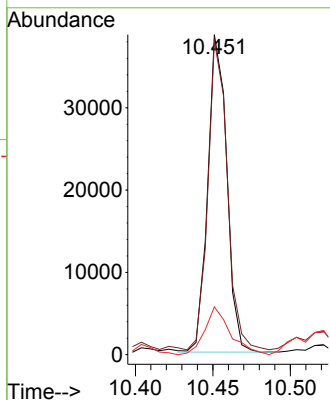
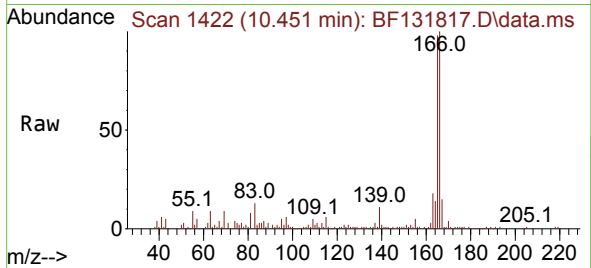




#58
Fluorene
Concen: 4.945 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.018 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

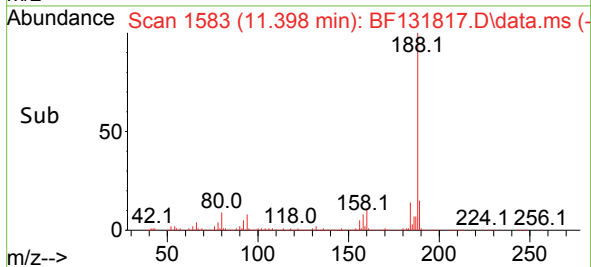
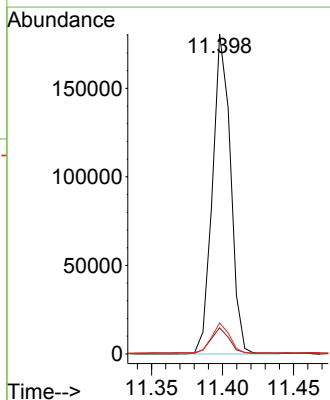
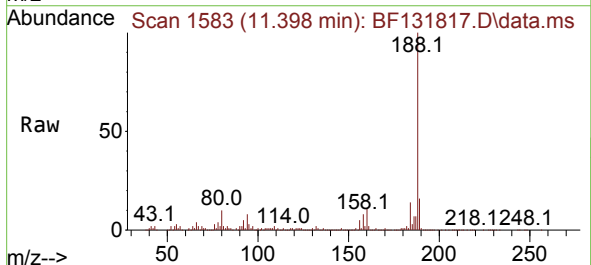
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE

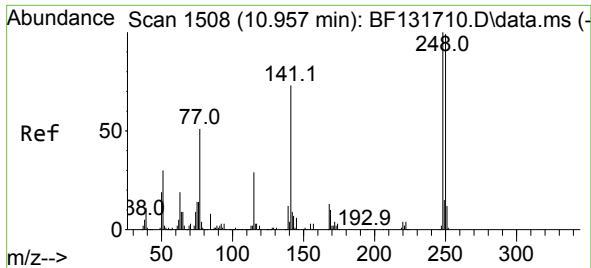
Tgt Ion:166 Resp: 32887
Ion Ratio Lower Upper
166 100
165 98.1 75.8 113.8
167 15.0 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Tgt Ion:188 Resp: 159665
Ion Ratio Lower Upper
188 100
94 8.2 5.9 8.9
80 9.7 7.0 10.6

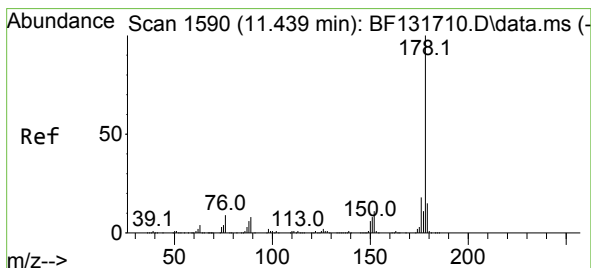
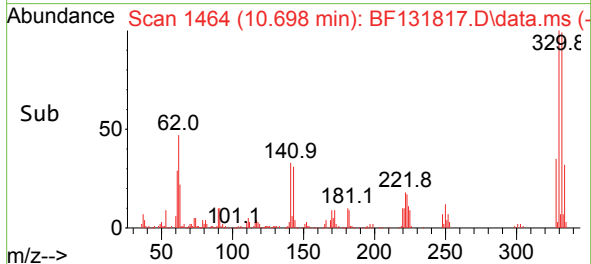
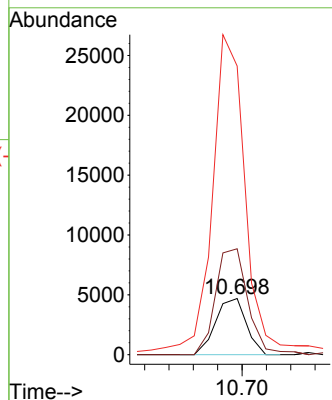
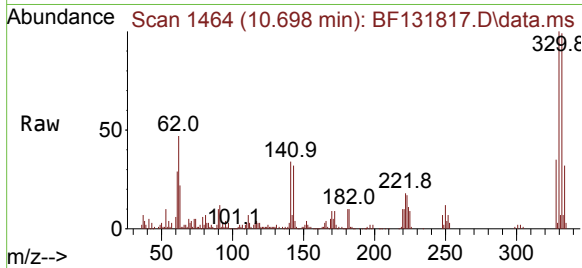




#67
4-Bromophenyl-phenylether
Concen: 2.184 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

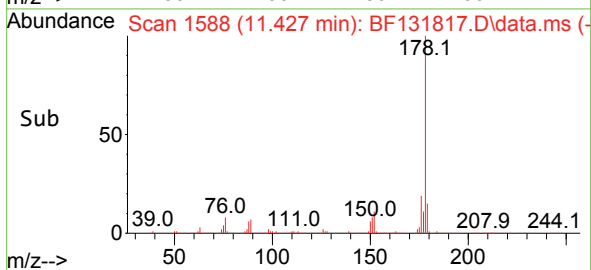
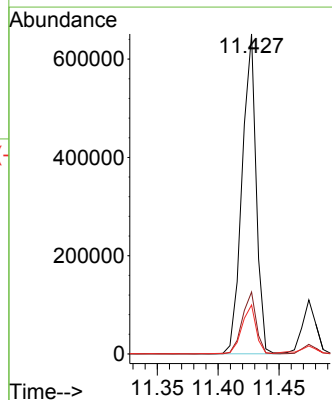
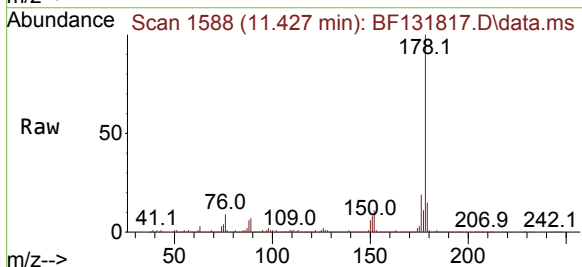
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE

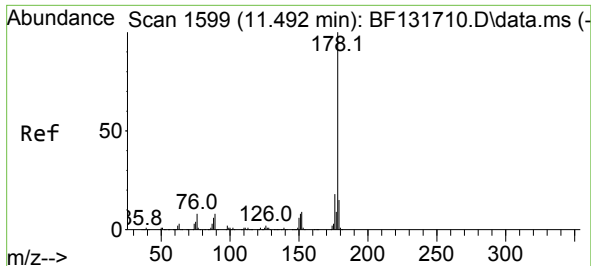
Tgt Ion:248 Resp: 4118
Ion Ratio Lower Upper
248 100
250 148.6 79.4 119.0#
141 404.9 58.1 87.1#



#71
Phenanthrene
Concen: 60.417 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Tgt Ion:178 Resp: 526005
Ion Ratio Lower Upper
178 100
176 19.3 14.8 22.2
179 15.3 12.2 18.4

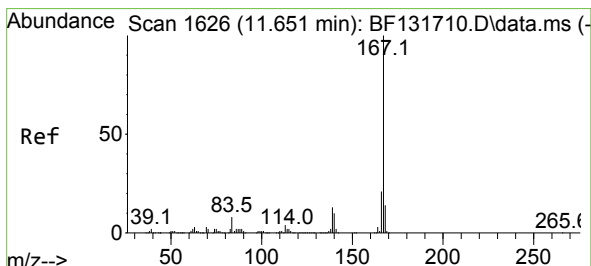
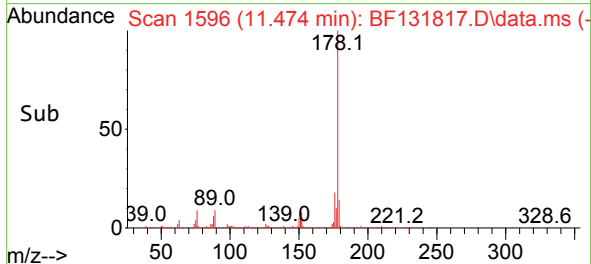
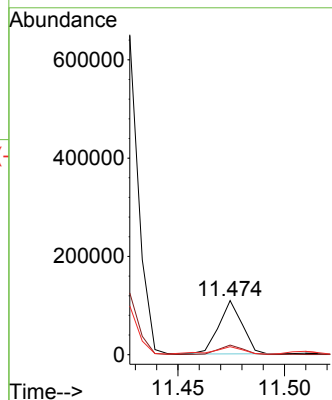
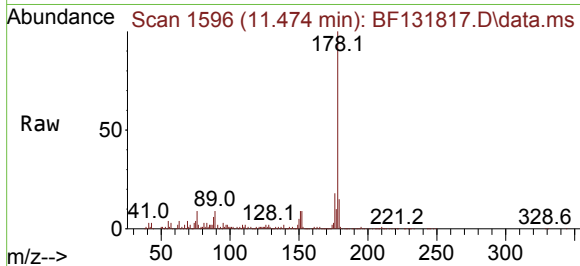




#72
 Anthracene
 Concen: 9.719 ng
 RT: 11.474 min Scan# 1596
 Delta R.T. -0.012 min
 Lab File: BF131817.D
 Acq: 23 Dec 2022 20:57

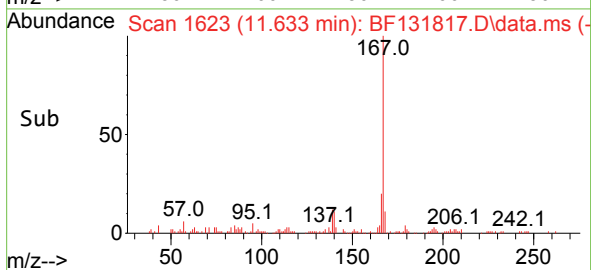
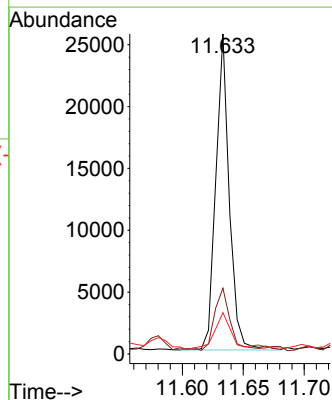
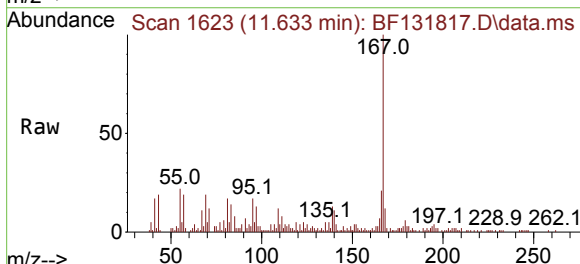
Instrument :
 BNA_F
 ClientSampleId :
 RB-34-(1.5-2)RE

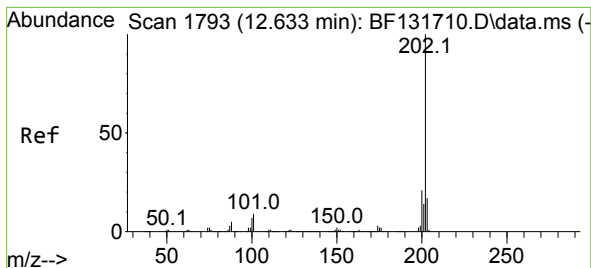
Tgt Ion:178 Resp: 82851
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.6 21.8
 179 14.9 12.2 18.4



#73
 Carbazole
 Concen: 2.677 ng
 RT: 11.633 min Scan# 1623
 Delta R.T. -0.012 min
 Lab File: BF131817.D
 Acq: 23 Dec 2022 20:57

Tgt Ion:167 Resp: 19741
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.1 25.7
 139 12.9 10.5 15.7





#75

Fluoranthene

Concen: 40.435 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)RE

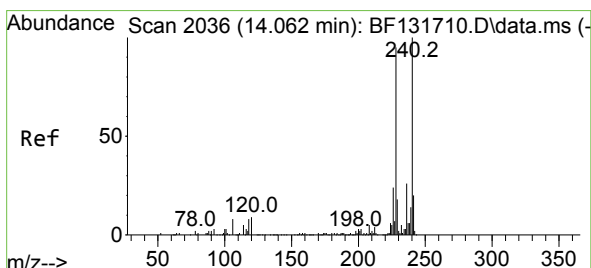
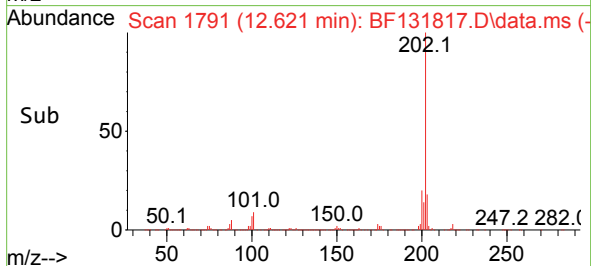
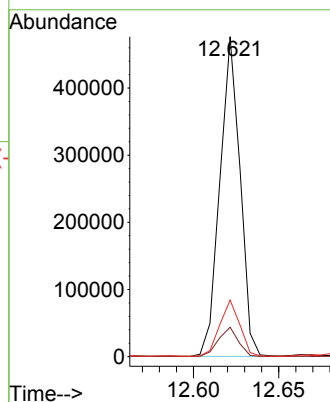
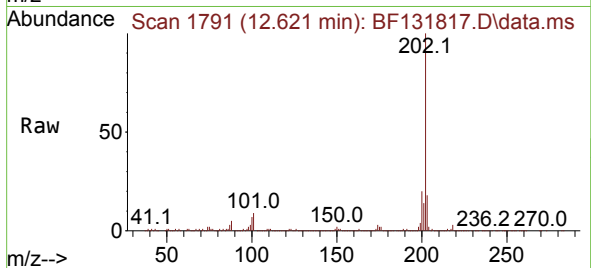
Tgt Ion:202 Resp: 392065

Ion Ratio Lower Upper

202 100

101 9.2 0.0 28.8

203 17.7 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

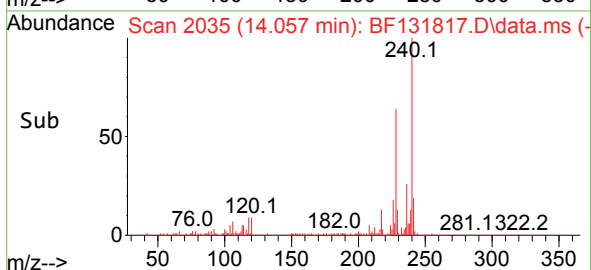
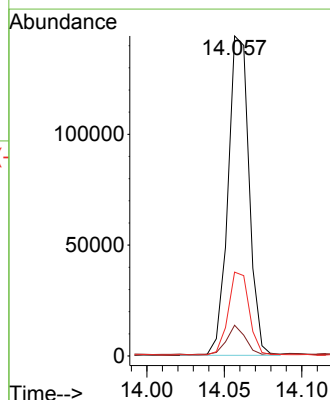
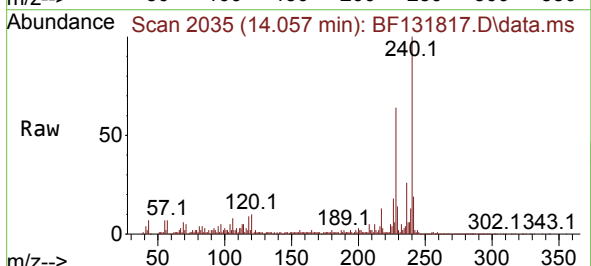
Tgt Ion:240 Resp: 136073

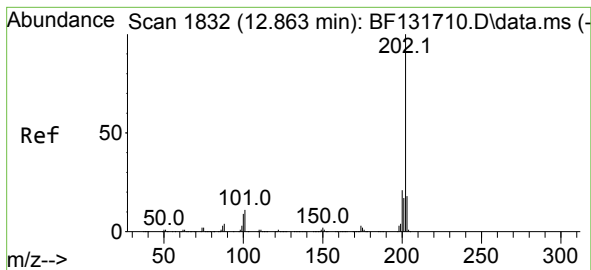
Ion Ratio Lower Upper

240 100

120 9.6 7.6 11.4

236 26.2 21.2 31.8





#78

Pyrene

Concen: 37.379 ng

RT: 12.857 min Scan# 1831

Delta R.T. -0.006 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)RE

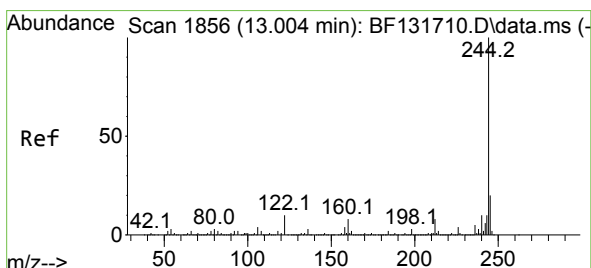
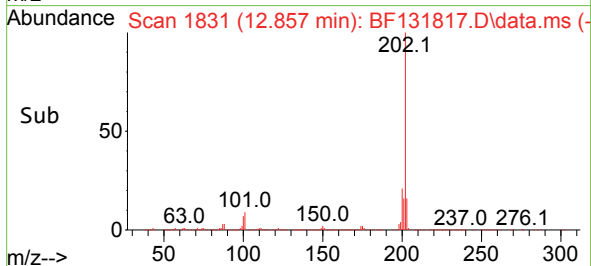
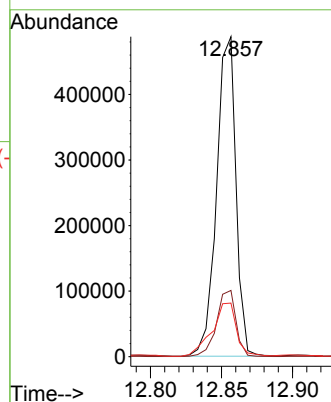
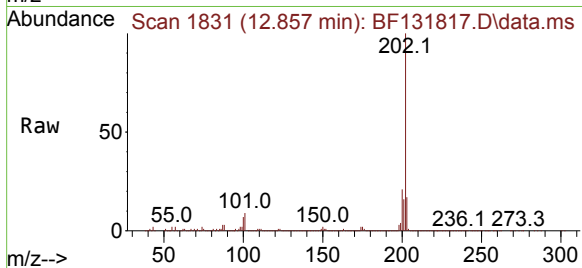
Tgt Ion:202 Resp: 462442

Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

203 16.8 14.1 21.1



#79

Terphenyl-d14

Concen: 89.582 ng

RT: 12.998 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

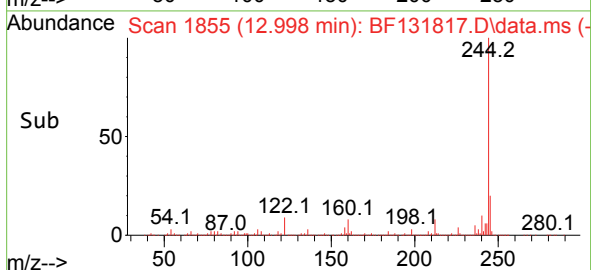
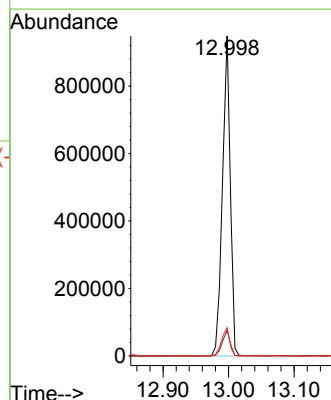
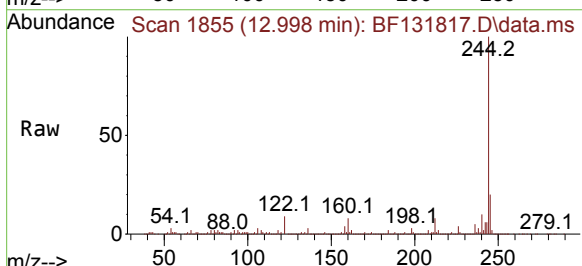
Tgt Ion:244 Resp: 782127

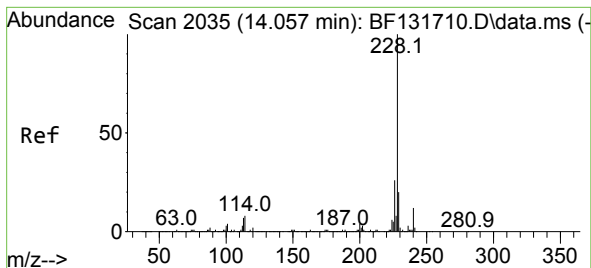
Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

122 8.9 7.7 11.5





#81

Benzo(a)anthracene

Concen: 20.773 ng

RT: 14.051 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)RE

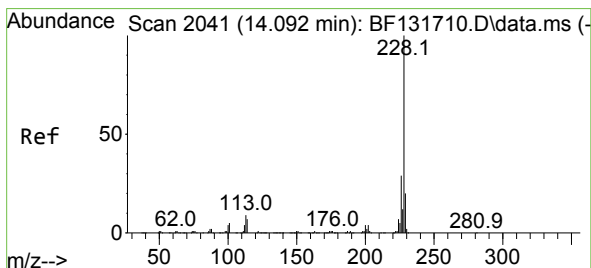
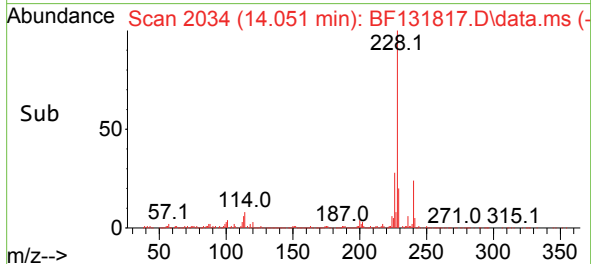
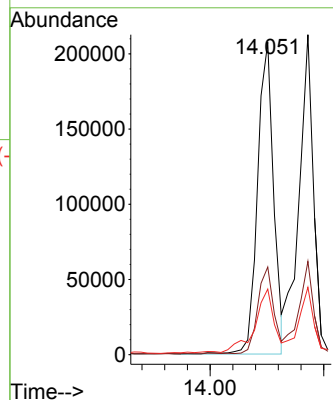
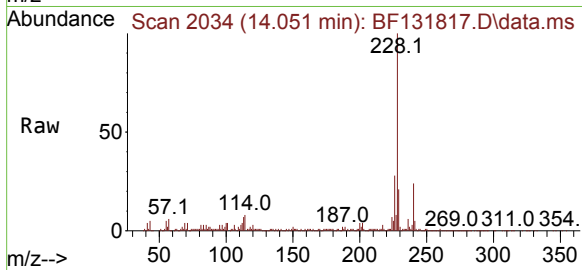
Tgt Ion:228 Resp: 203574

Ion Ratio Lower Upper

228 100

226 28.0 21.0 31.4

229 21.0 15.8 23.8



#83

Chrysene

Concen: 20.661 ng

RT: 14.086 min Scan# 2040

Delta R.T. -0.012 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

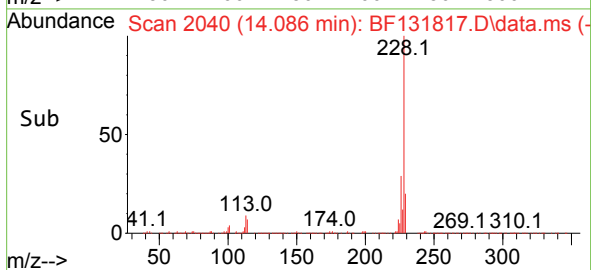
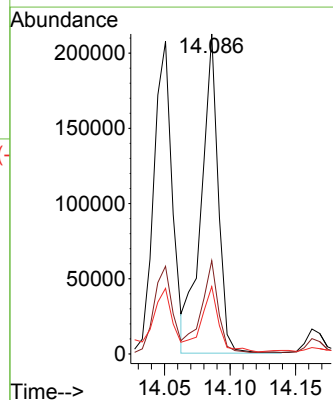
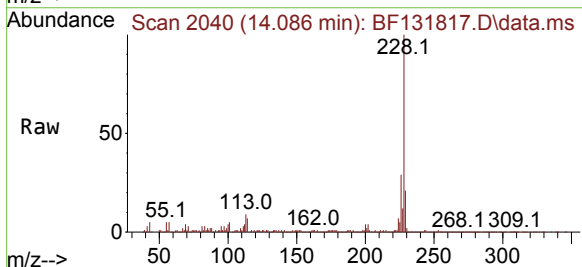
Tgt Ion:228 Resp: 191109

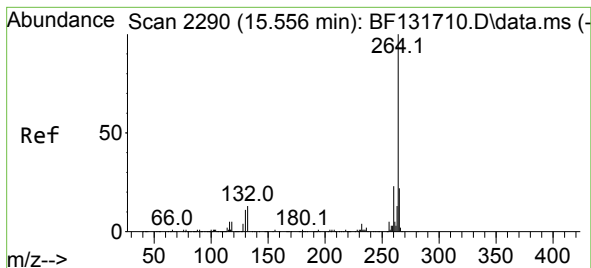
Ion Ratio Lower Upper

228 100

226 29.2 23.5 35.3

229 21.0 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)RE

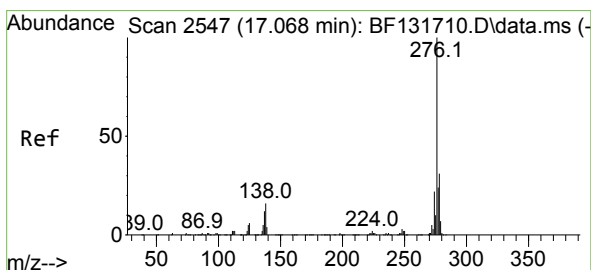
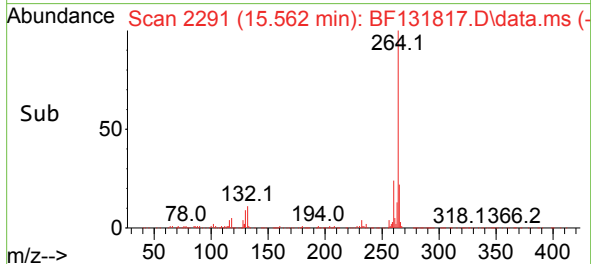
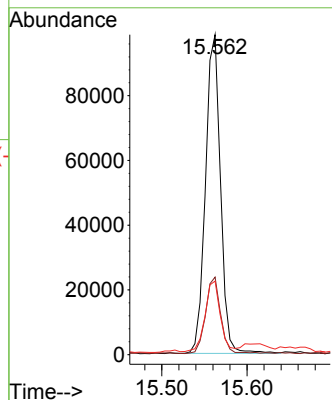
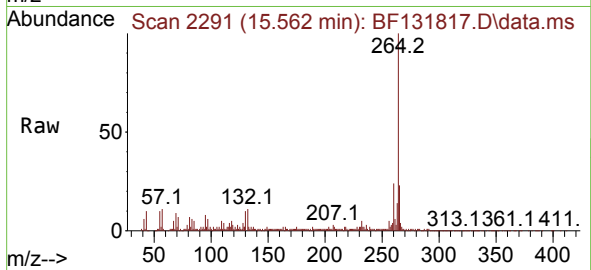
Tgt Ion:264 Resp: 120668

Ion Ratio Lower Upper

264 100

260 24.3 18.6 28.0

265 23.0 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.210 ng

RT: 17.068 min Scan# 2547

Delta R.T. -0.018 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

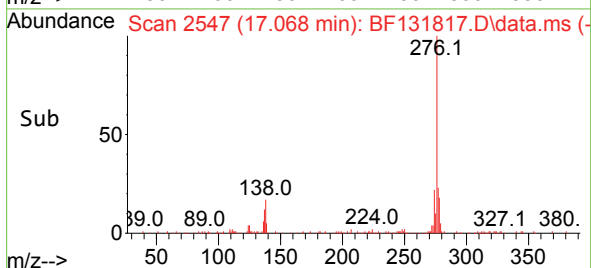
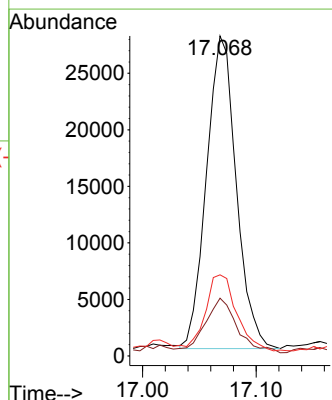
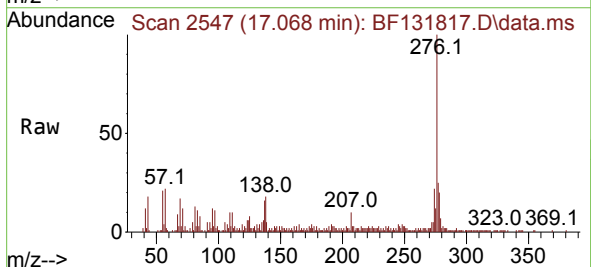
Tgt Ion:276 Resp: 50336

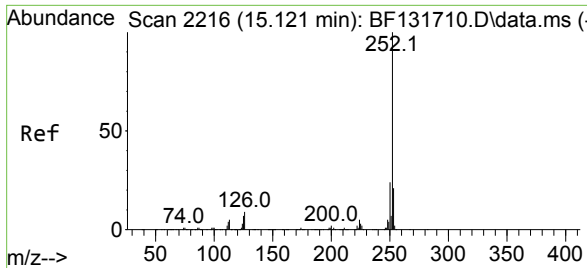
Ion Ratio Lower Upper

276 100

138 19.0 14.4 21.6

277 25.3 19.8 29.8

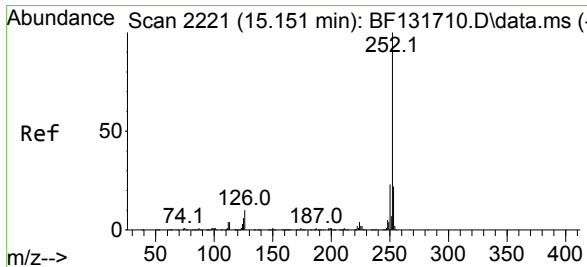
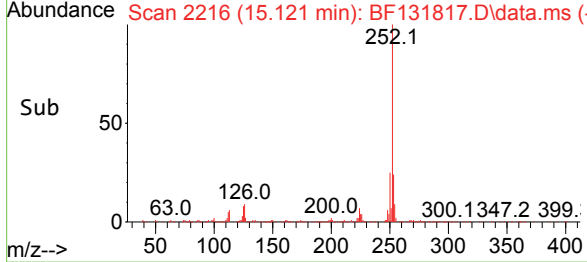
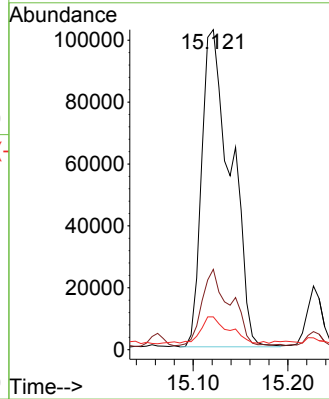
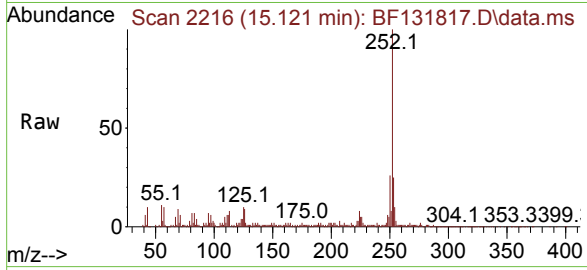




#88
Benzo(b)fluoranthene
Concen: 25.627 ng
RT: 15.121 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

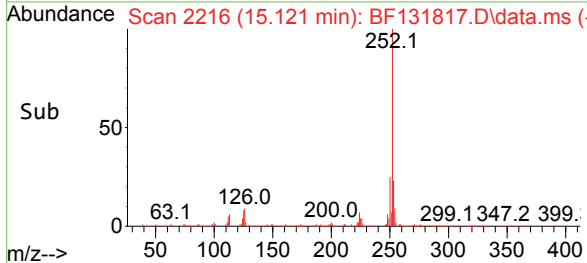
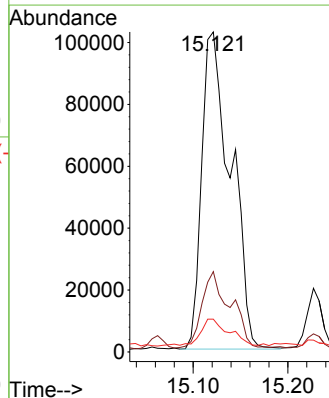
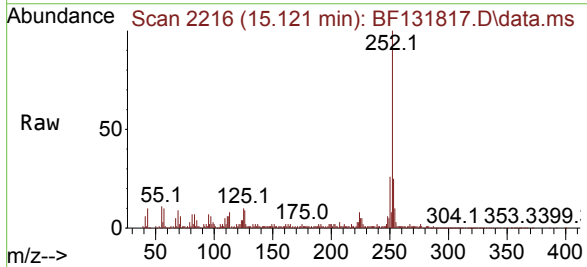
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE

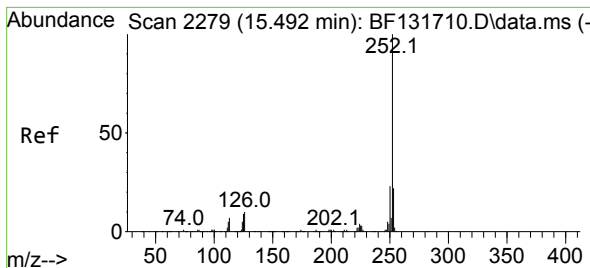
Tgt Ion:252 Resp: 218781
Ion Ratio Lower Upper
252 100
253 25.1 17.2 25.8
125 10.3 5.5 8.3#



#89
Benzo(k)fluoranthene
Concen: 26.263 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.035 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Tgt Ion:252 Resp: 218781
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 10.3 5.2 7.8#





#90

Benzo(a)pyrene

Concen: 17.115 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)RE

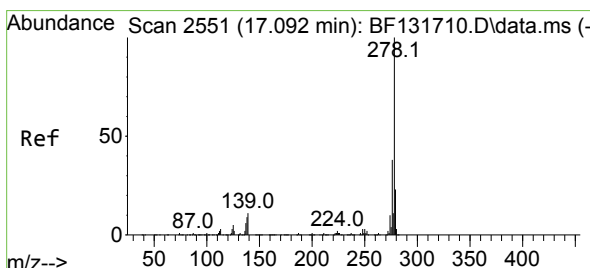
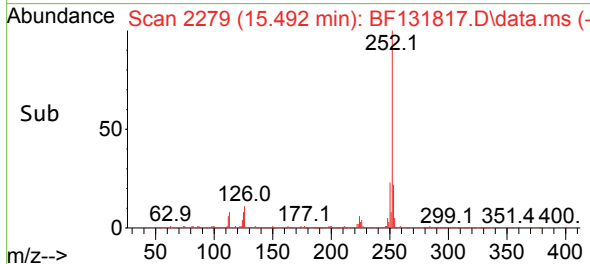
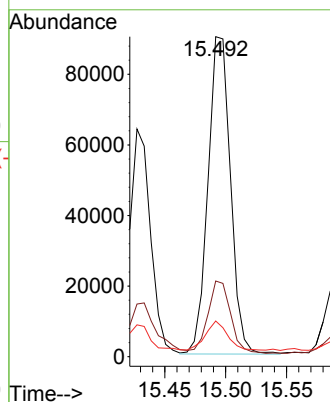
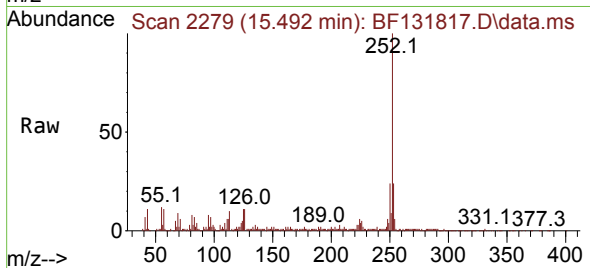
Tgt Ion:252 Resp: 115738

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 11.2 7.0 10.4#



#91

Dibenzo(a,h)anthracene

Concen: 2.181 ng

RT: 17.080 min Scan# 2549

Delta R.T. -0.023 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

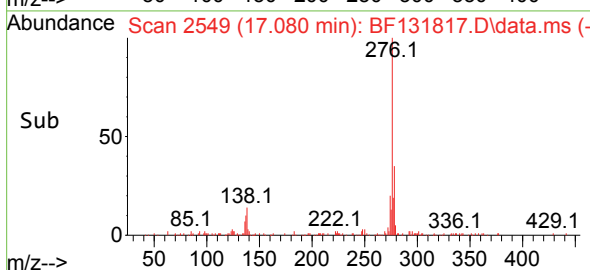
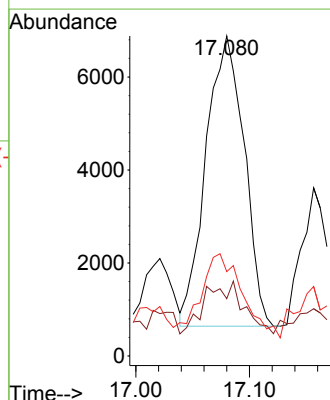
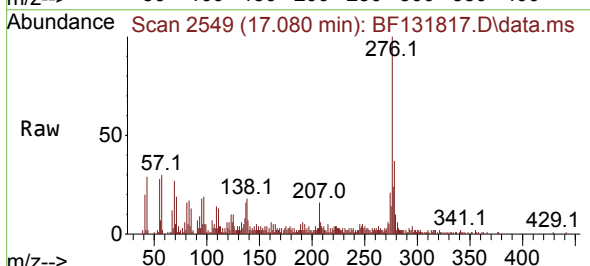
Tgt Ion:278 Resp: 14611

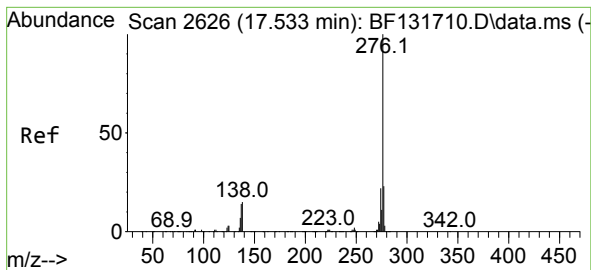
Ion Ratio Lower Upper

278 100

139 17.9 8.7 13.1#

279 26.3 18.7 28.1





#92

Benzo(g,h,i)perylene

Concen: 7.281 ng

RT: 17.527 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF131817.D

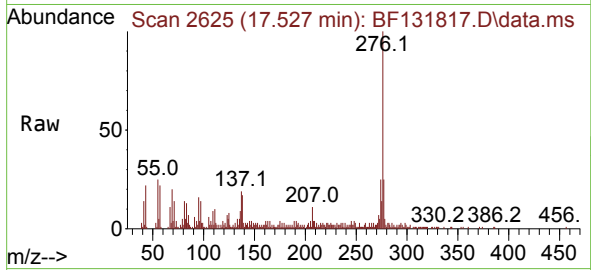
Acq: 23 Dec 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)RE



Tgt Ion:276 Resp: 48201

Ion Ratio Lower Upper

276 100

277 25.4 18.3 27.5

138 17.3 12.3 18.5

