

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071524\
 Data File : BF138573.D
 Acq On : 15 Jul 2024 17:42
 Operator : CG\JU
 Sample : P3223-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PILE-CAP

Quant Time: Jul 15 19:00:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

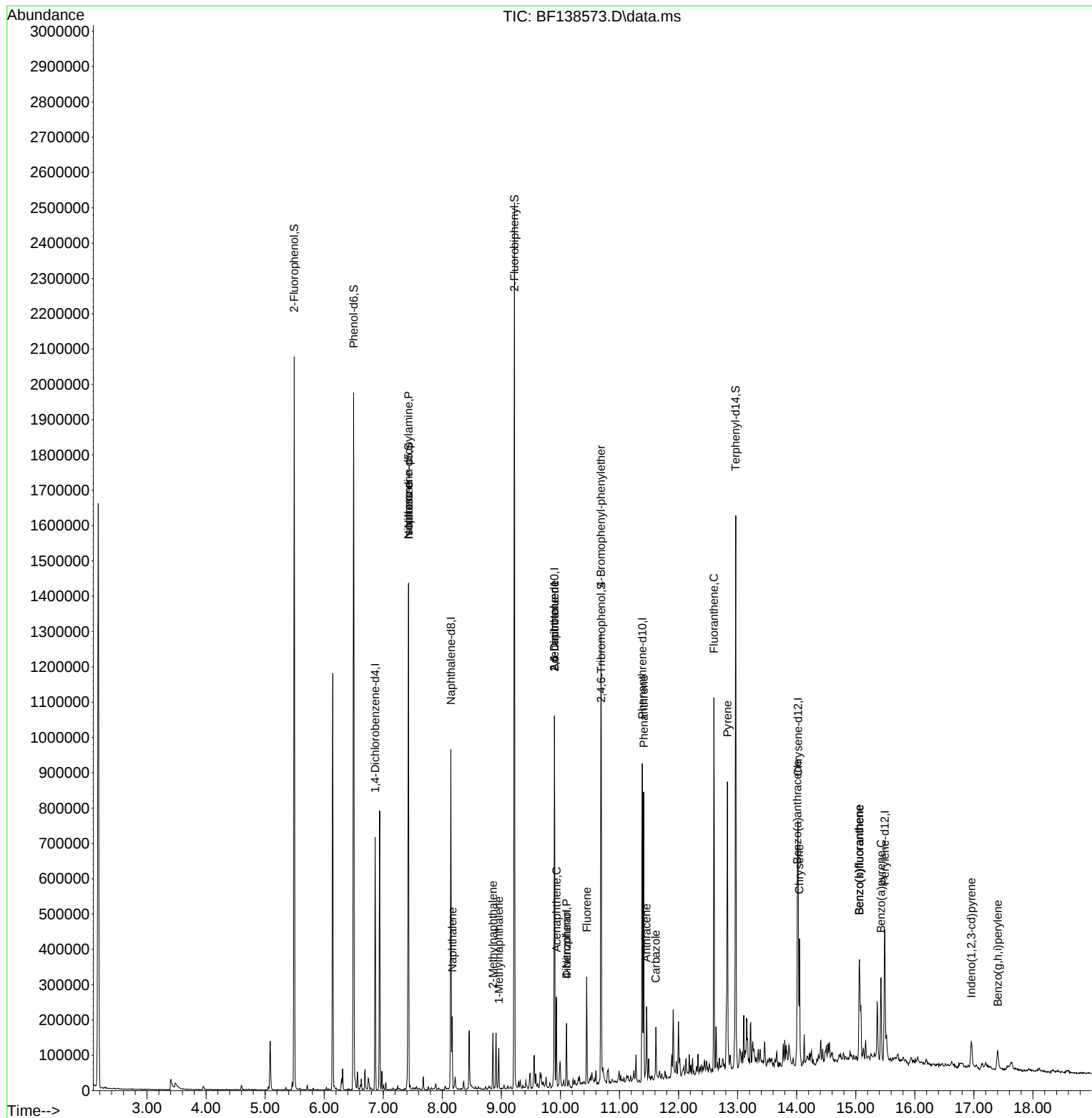
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	89211	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	360264	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	197042	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	304584	20.000	ng	0.00
76) Chrysene-d12	14.021	240	164574	20.000	ng	0.00
86) Perylene-d12	15.492	264	171931	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	459252	81.531	ng	0.00
7) Phenol-d6	6.498	99	622219	83.036	ng	0.00
23) Nitrobenzene-d5	7.428	82	401909	54.773	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	132120	71.744	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	684548	54.297	ng	0.00
79) Terphenyl-d14	12.968	244	489293	48.435	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	54649	11.803	ng	# 74
25) Isophorone	7.428	82	401906	31.895	ng	# 67
31) Naphthalene	8.169	128	78997	4.216	ng	99
37) 2-Methylnaphthalene	8.857	142	35229	2.922	ng	98
38) 1-Methylnaphthalene	8.957	142	26141	2.221	ng	99
51) 2,6-Dinitrotoluene	9.898	165	25835	8.807	ng	# 24
52) Acenaphthene	9.933	154	50429	4.737	ng	98
55) Dibenzofuran	10.104	168	57764	3.741	ng	96
56) 4-Nitrophenol	10.104	139	23109	10.416	ng	# 2
57) 2,4-Dinitrotoluene	9.898	165	25835	6.806	ng	# 19
58) Fluorene	10.445	166	68530	5.609	ng	99
67) 4-Bromophenyl-phenylether	10.686	248	9550	3.051	ng	# 1
71) Phenanthrene	11.410	178	254965	16.569	ng	99
72) Anthracene	11.457	178	75035	4.912	ng	99
73) Carbazole	11.616	167	50570	3.684	ng	100
75) Fluoranthene	12.598	202	376443	23.975	ng	98
78) Pyrene	12.827	202	315190	18.866	ng	99
81) Benzo(a)anthracene	14.009	228	149669	13.553	ng	96
83) Chrysene	14.045	228	132477	12.681	ng	97
87) Indeno(1,2,3-cd)pyrene	16.956	276	45002	3.897	ng	96
88) Benzo(b)fluoranthene	15.062	252	215456	22.252	ng	98
89) Benzo(k)fluoranthene	15.062	252	215456	22.816	ng	98
90) Benzo(a)pyrene	15.427	252	107482	12.636	ng	99
92) Benzo(g,h,i)perylene	17.403	276	42611	4.254	ng	95

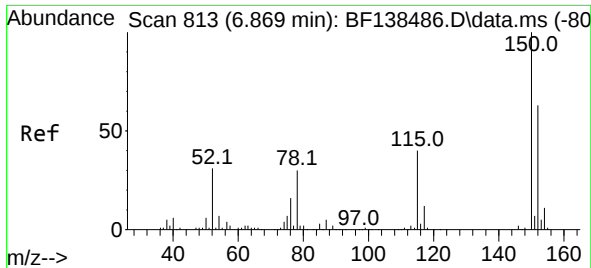
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071524\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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Quant Time: Jul 15 19:00:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 16:58:40 2024
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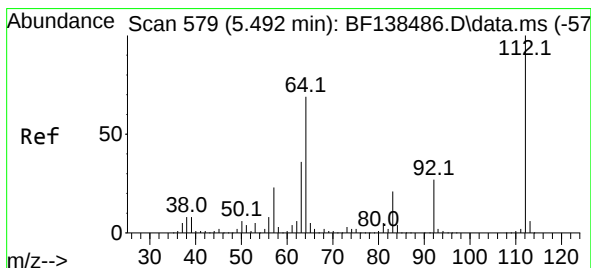
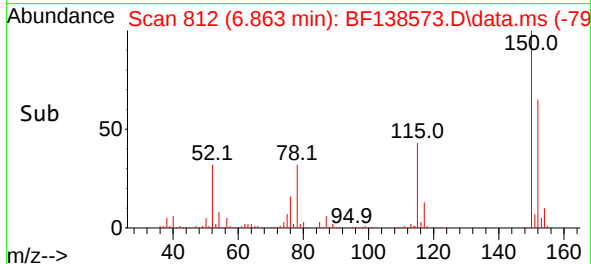
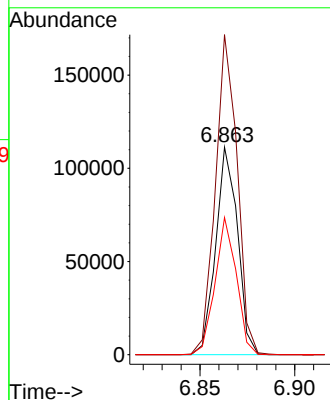
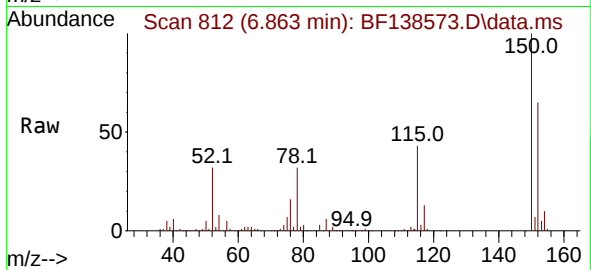




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

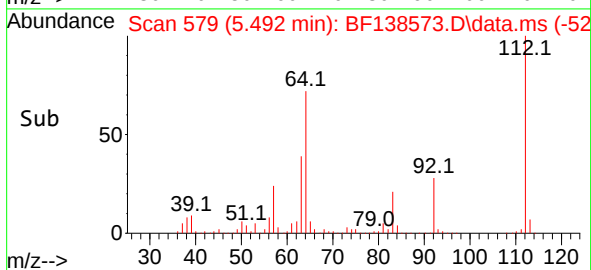
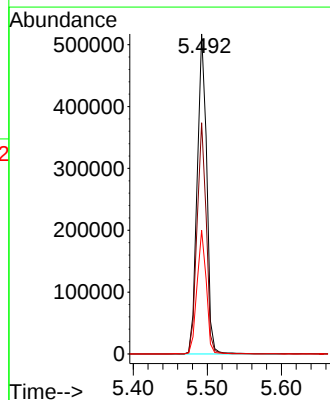
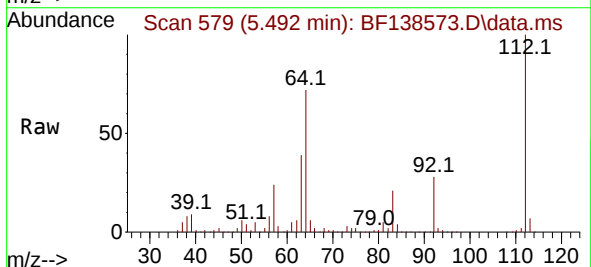
Instrument :
BNA_F
ClientSampleId :
PILE-CAP

Tgt Ion:152 Resp: 89211
Ion Ratio Lower Upper
152 100
150 154.2 126.2 189.4
115 66.1 50.3 75.5



#5
2-Fluorophenol
Concen: 81.531 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Tgt Ion:112 Resp: 459252
Ion Ratio Lower Upper
112 100
64 72.2 55.1 82.7
63 38.6 29.0 43.6

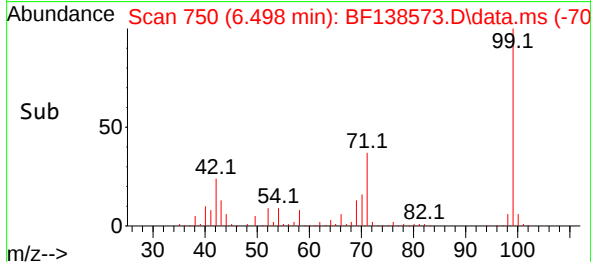
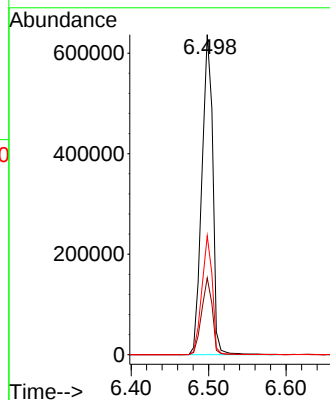
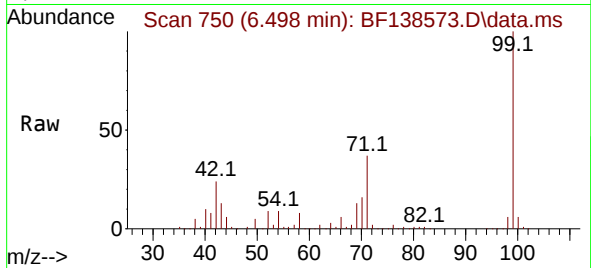




#7
Phenol-d6
Concen: 83.036 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

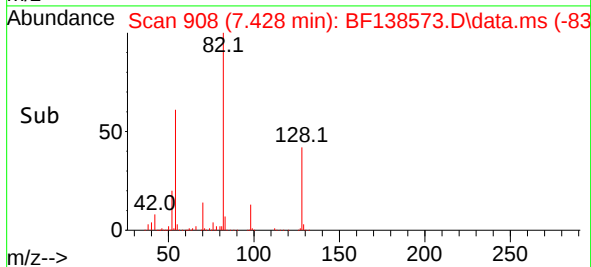
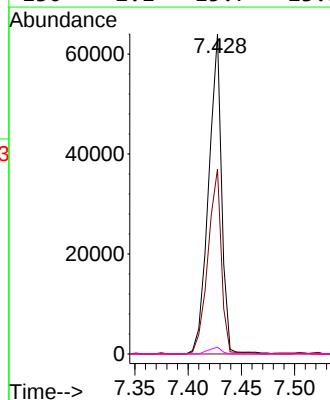
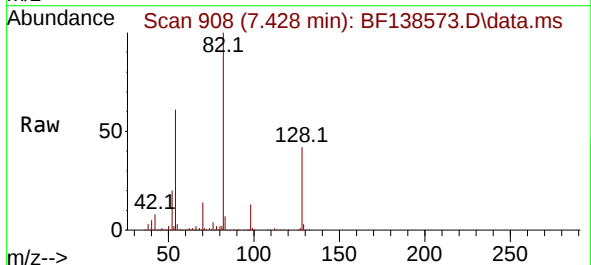
Instrument :
BNA_F
ClientSampleId :
PILE-CAP

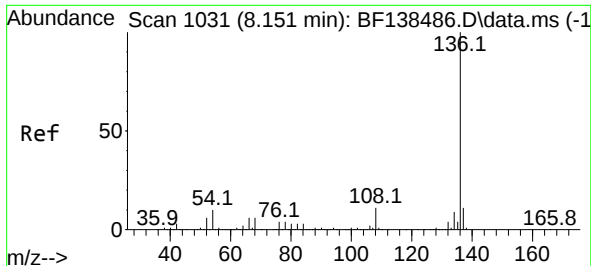
Tgt Ion: 99 Resp: 622219
Ion Ratio Lower Upper
99 100
42 24.0 19.7 29.5
71 37.2 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.803 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Tgt Ion: 70 Resp: 54649
Ion Ratio Lower Upper
70 100
42 57.8 62.4 93.6#
101 0.0 7.2 10.8#
130 2.1 15.7 23.5#



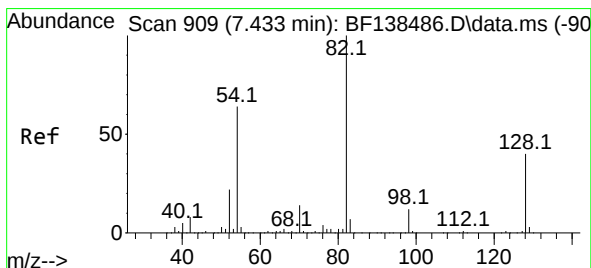
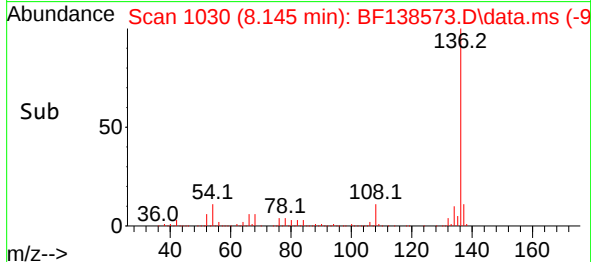
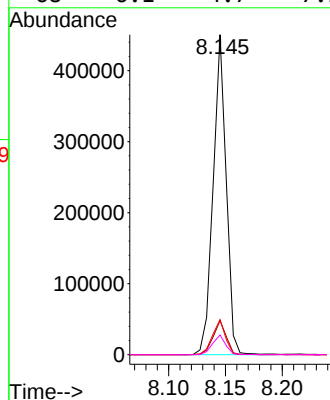
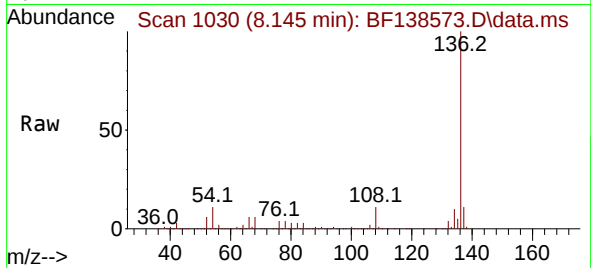


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Instrument :
BNA_F
ClientSampleId :
PILE-CAP

Tgt Ion:136 Resp: 360264

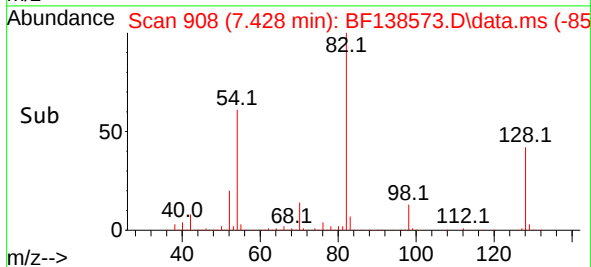
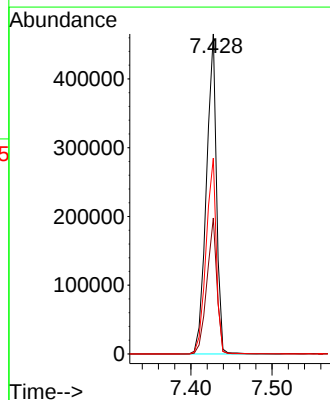
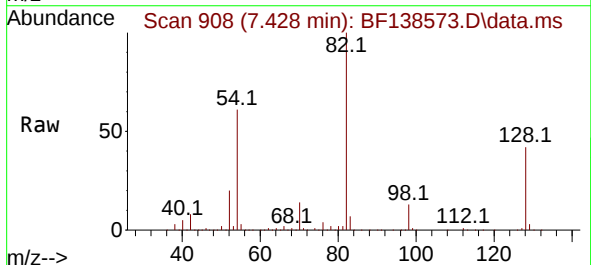
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	10.9	8.1	12.1
68	6.1	4.7	7.1



#23
Nitrobenzene-d5
Concen: 54.773 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Tgt Ion: 82 Resp: 401909

Ion	Ratio	Lower	Upper
82	100		
128	42.5	32.3	48.5
54	61.2	51.4	77.0

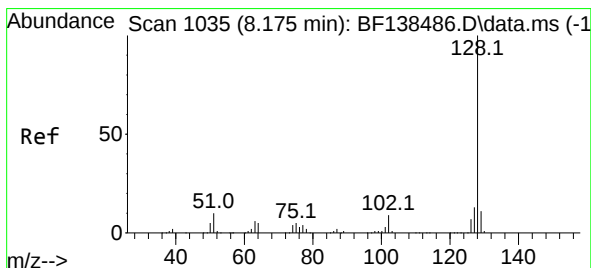
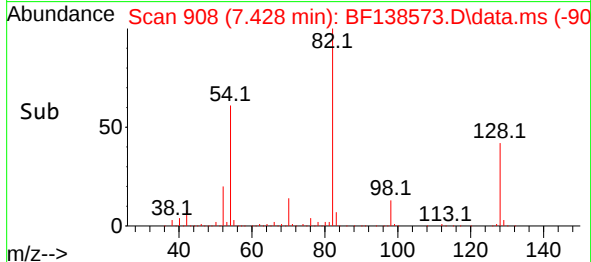
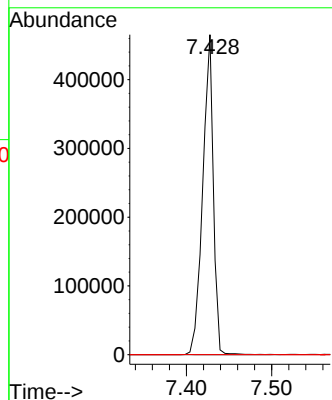
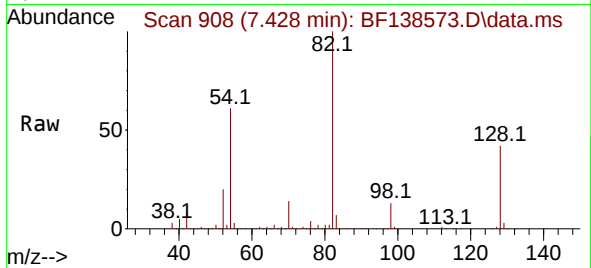




#25
Isophorone
Concen: 31.895 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

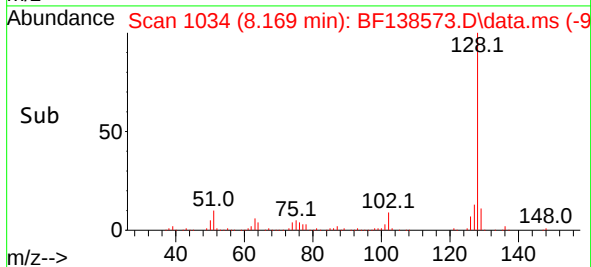
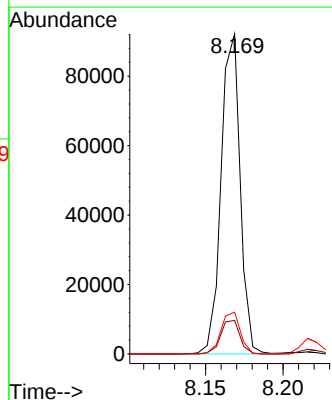
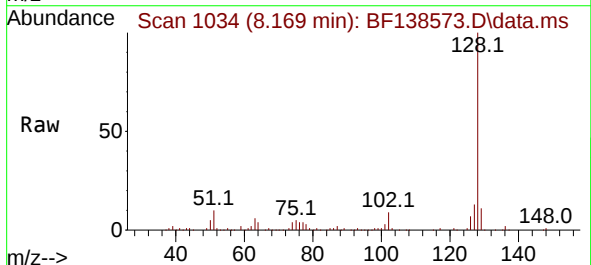
Instrument :
BNA_F
ClientSampleId :
PILE-CAP

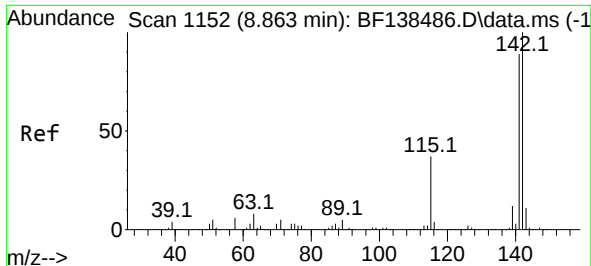
Tgt Ion: 82 Resp: 401906
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#31
Naphthalene
Concen: 4.216 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Tgt Ion: 128 Resp: 78997
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 13.1 10.7 16.1





#37

2-Methylnaphthalene

Concen: 2.922 ng

RT: 8.857 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

Instrument :

BNA_F

ClientSampleId :

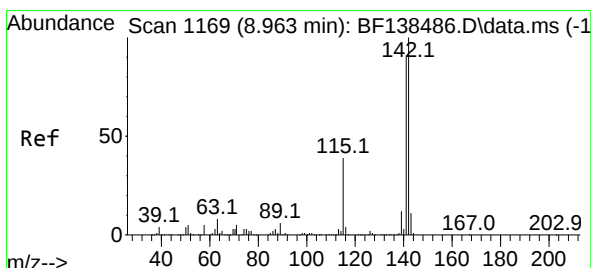
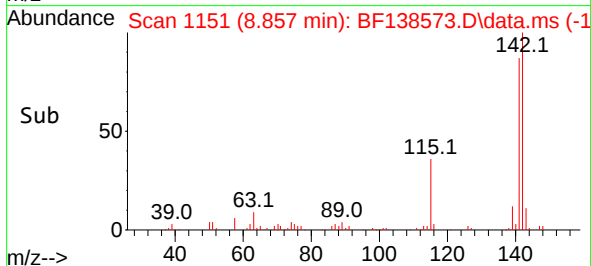
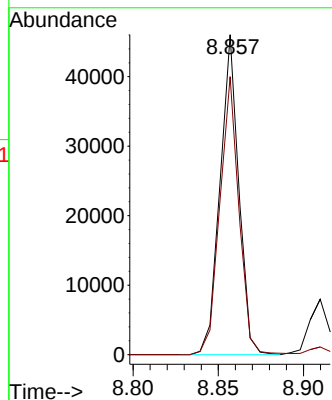
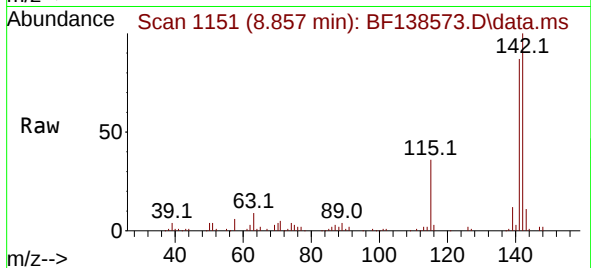
PILE-CAP

Tgt Ion:142 Resp: 35229

Ion Ratio Lower Upper

142 100

141 86.9 71.4 107.0



#38

1-Methylnaphthalene

Concen: 2.221 ng

RT: 8.957 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF138573.D

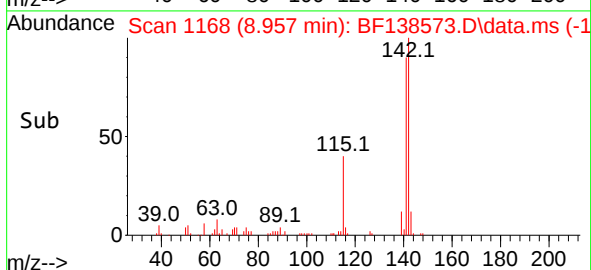
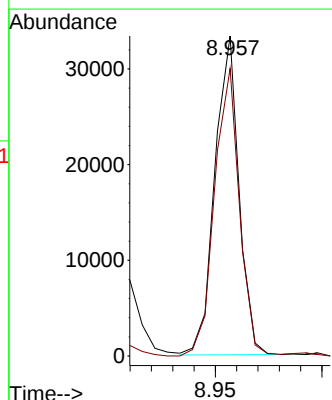
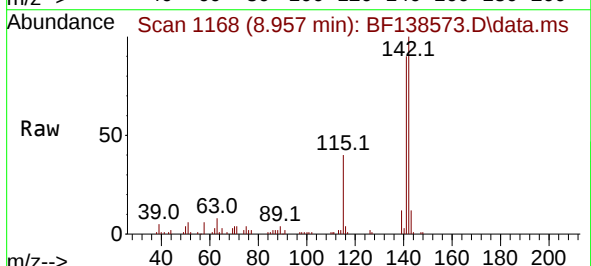
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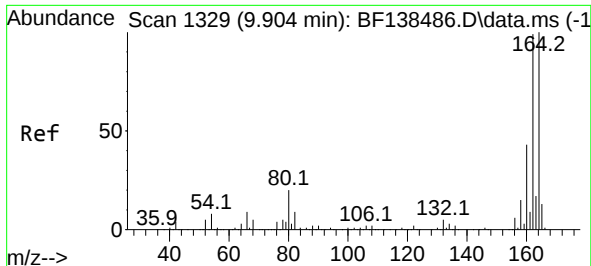
Tgt Ion:142 Resp: 26141

Ion Ratio Lower Upper

142 100

141 89.9 72.6 108.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

Instrument :

BNA_F

ClientSampleId :

PILE-CAP

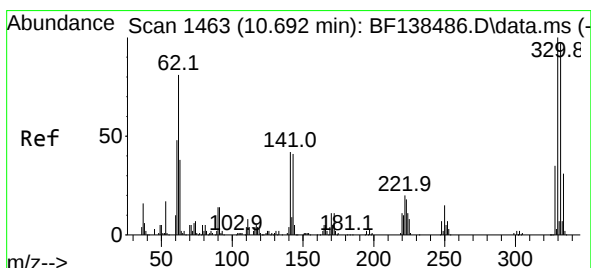
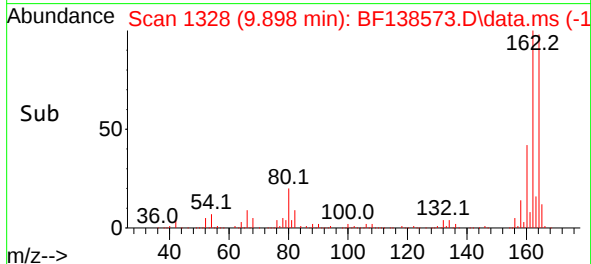
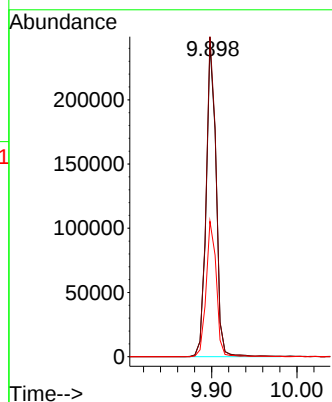
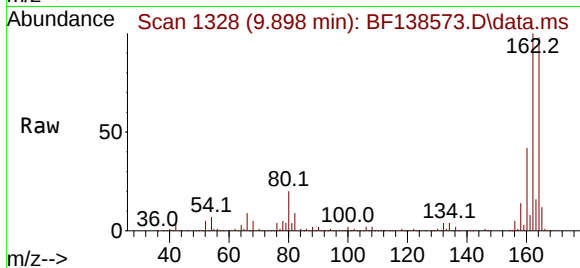
Tgt Ion:164 Resp: 197042

Ion Ratio Lower Upper

164 100

162 102.4 79.0 118.6

160 43.3 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 71.744 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.000 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

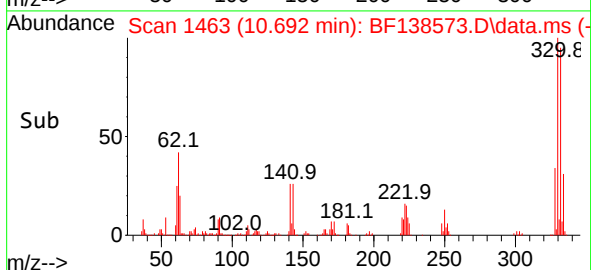
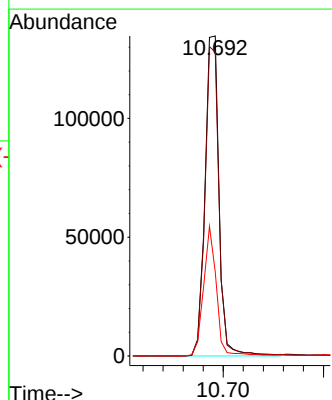
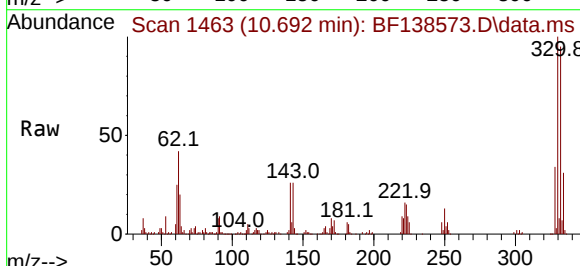
Tgt Ion:330 Resp: 132120

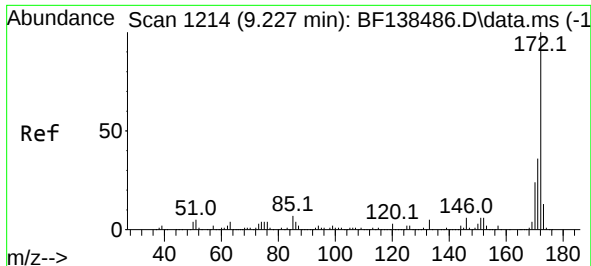
Ion Ratio Lower Upper

330 100

332 96.1 76.8 115.2

141 37.3 29.4 44.2





#45

2-Fluorobiphenyl

Concen: 54.297 ng

RT: 9.222 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

Instrument :

BNA_F

ClientSampleId :

PILE-CAP

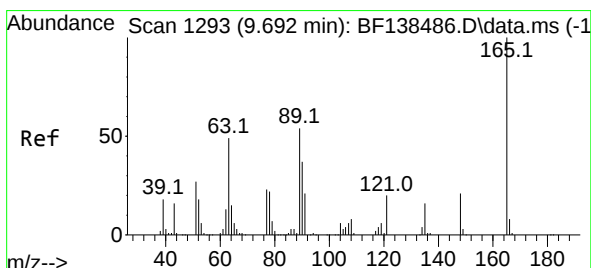
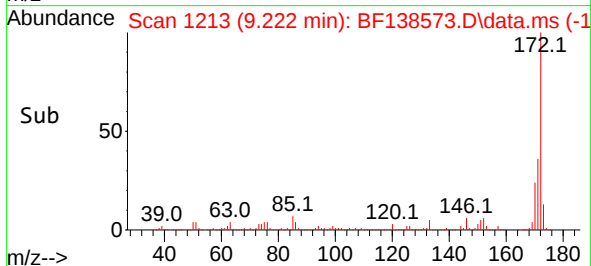
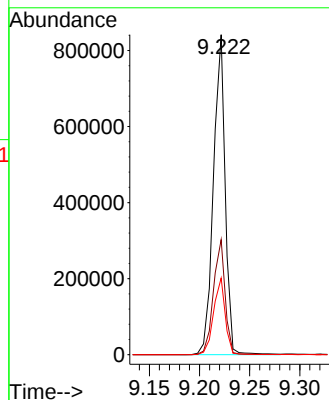
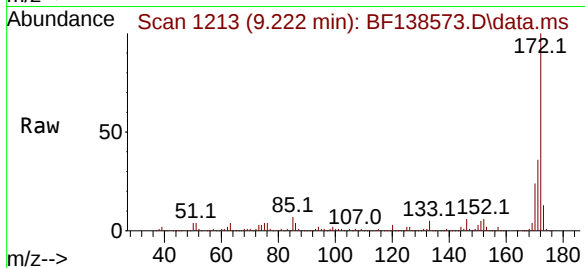
Tgt Ion:172 Resp: 684548

Ion Ratio Lower Upper

172 100

171 35.9 28.9 43.3

170 24.0 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.807 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.206 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

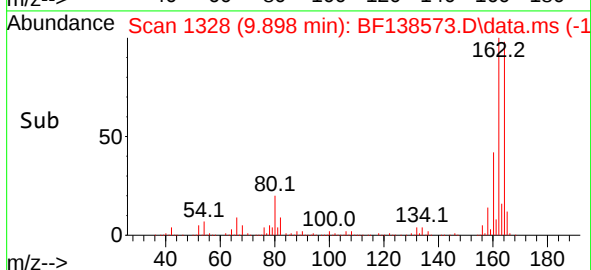
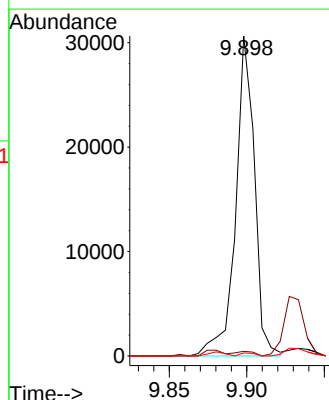
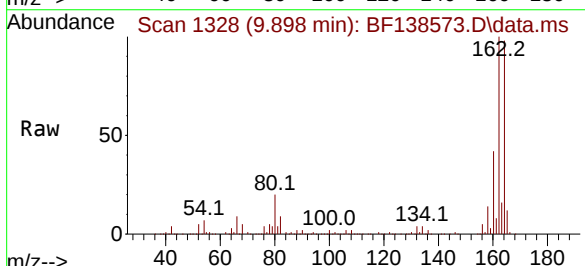
Tgt Ion:165 Resp: 25835

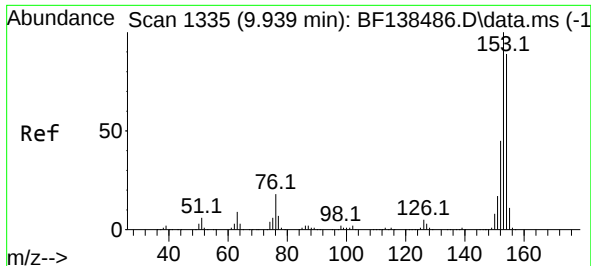
Ion Ratio Lower Upper

165 100

63 1.4 48.1 72.1#

89 1.0 43.0 64.6#

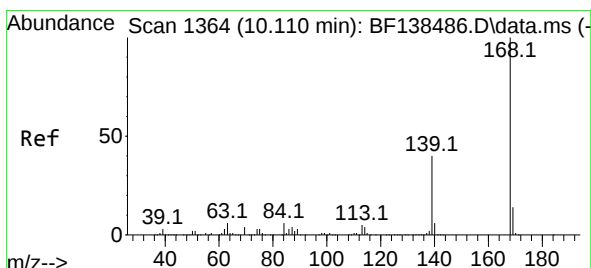
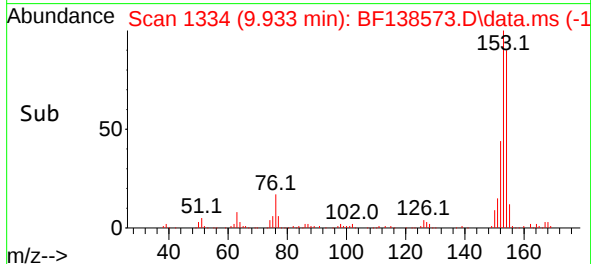
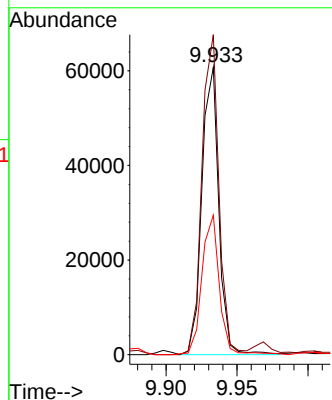
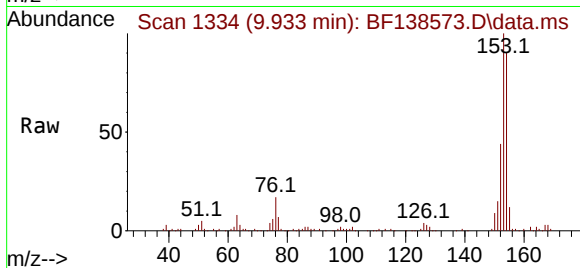




#52
Acenaphthene
Concen: 4.737 ng
RT: 9.933 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

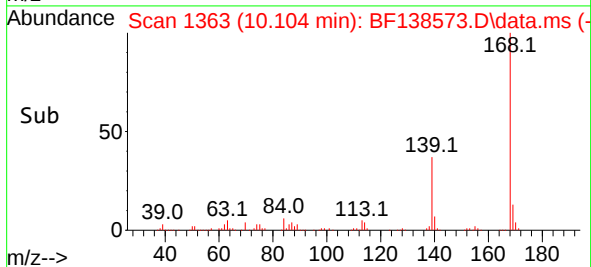
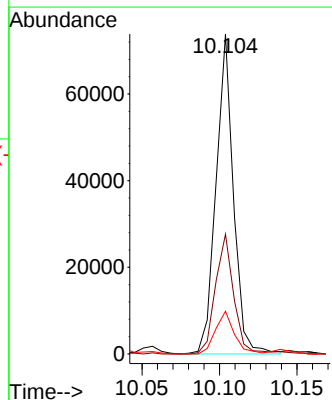
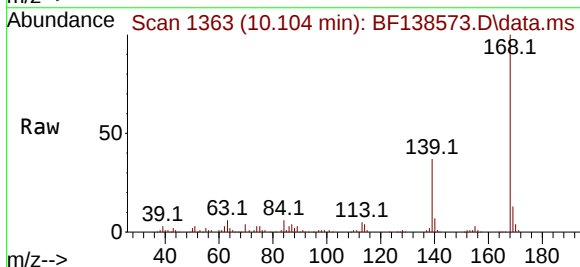
Instrument :
BNA_F
ClientSampleId :
PILE-CAP

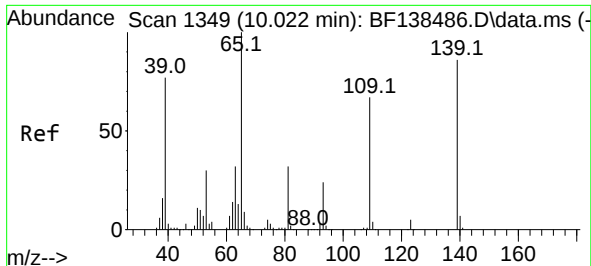
Tgt Ion:154 Resp: 50429
Ion Ratio Lower Upper
154 100
153 111.4 90.4 135.6
152 48.5 41.1 61.7



#55
Dibenzofuran
Concen: 3.741 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Tgt Ion:168 Resp: 57764
Ion Ratio Lower Upper
168 100
139 37.4 32.4 48.6
169 13.4 10.9 16.3

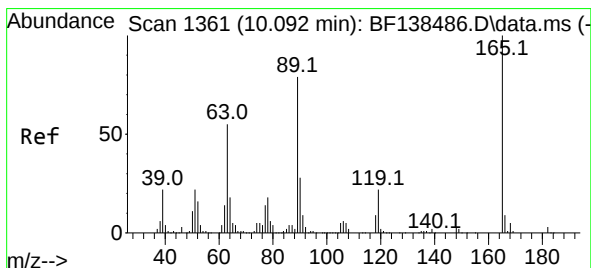
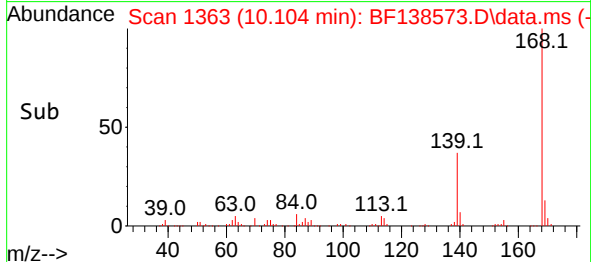
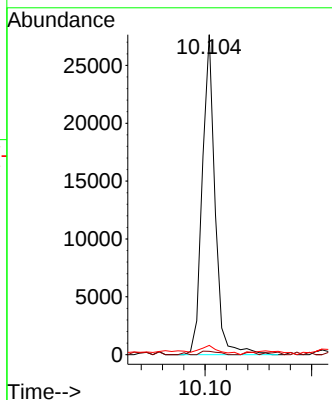
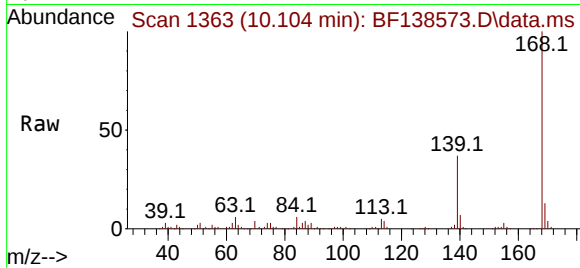




#56
4-Nitrophenol
Concen: 10.416 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

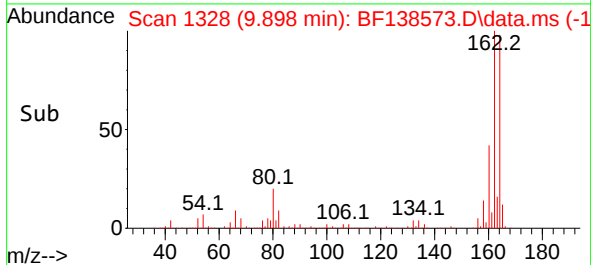
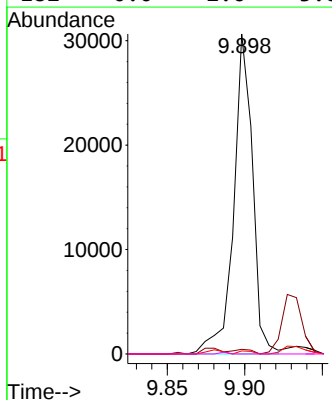
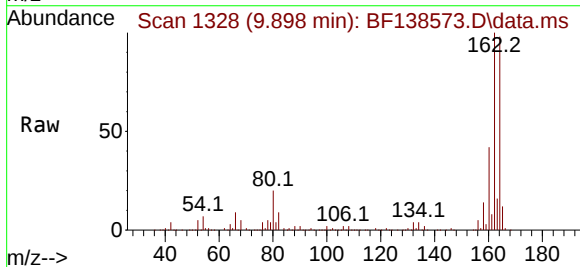
Instrument :
BNA_F
ClientSampleId :
PILE-CAP

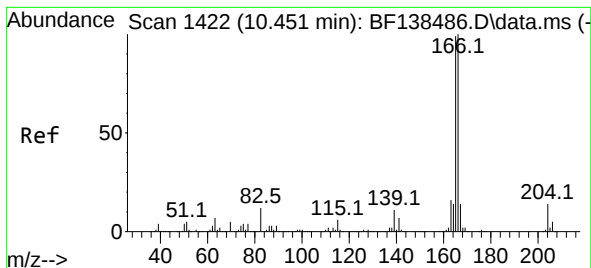
Tgt Ion:139 Resp: 23109
Ion Ratio Lower Upper
139 100
109 1.0 58.1 98.1#
65 2.9 96.9 136.9#



#57
2,4-Dinitrotoluene
Concen: 6.806 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Tgt Ion:165 Resp: 25835
Ion Ratio Lower Upper
165 100
63 1.4 44.6 66.8#
89 1.0 63.4 95.2#
182 0.0 2.6 3.8#





#58

Fluorene

Concen: 5.609 ng

RT: 10.445 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

Instrument :

BNA_F

ClientSampleId :

PILE-CAP

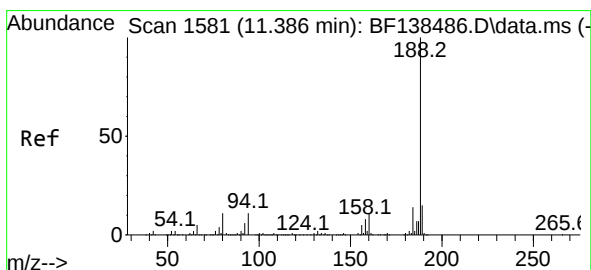
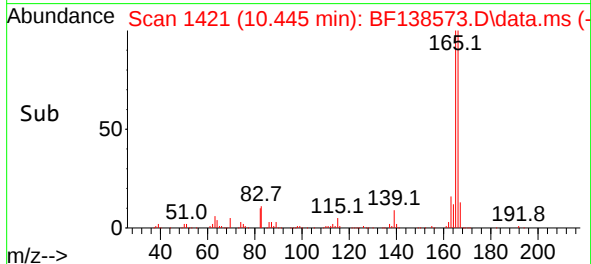
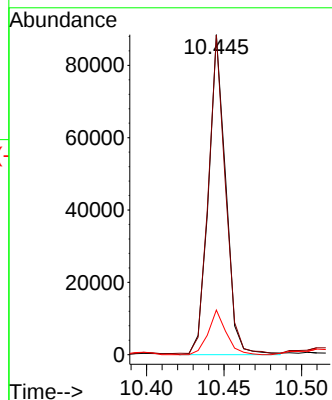
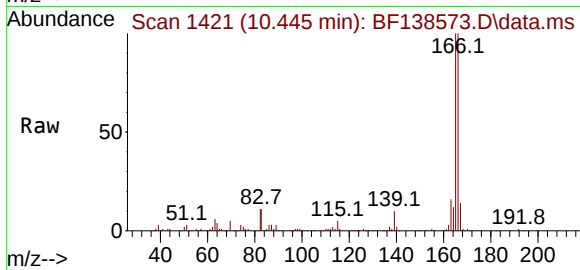
Tgt Ion:166 Resp: 68530

Ion Ratio Lower Upper

166 100

165 99.9 79.1 118.7

167 13.9 11.0 16.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

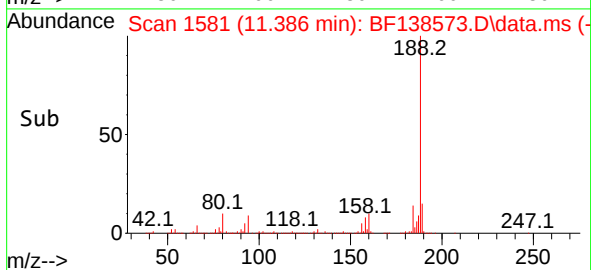
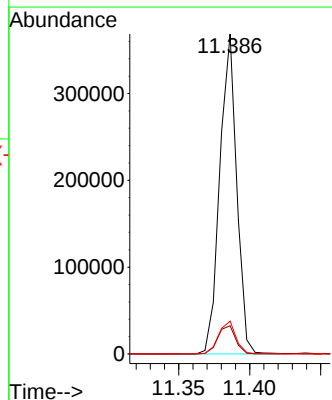
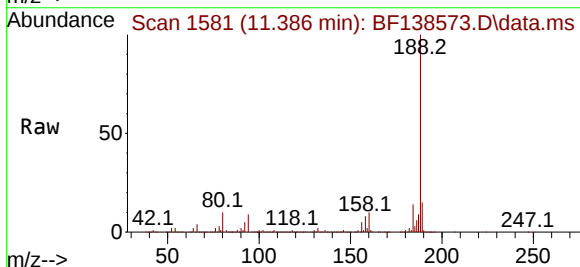
Tgt Ion:188 Resp: 304584

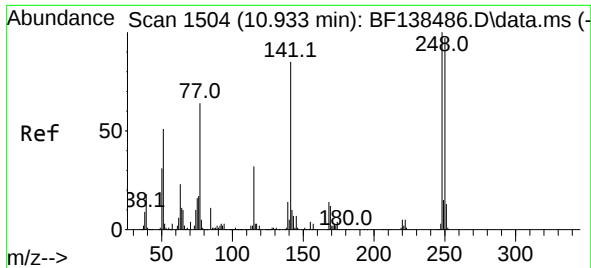
Ion Ratio Lower Upper

188 100

94 8.8 8.7 13.1

80 10.2 9.0 13.4

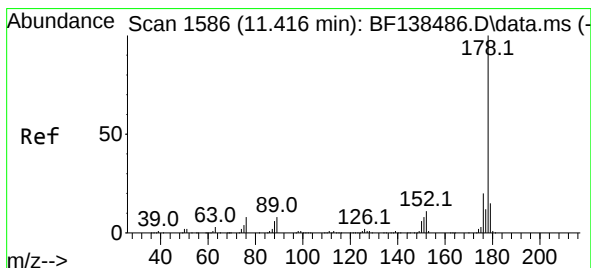
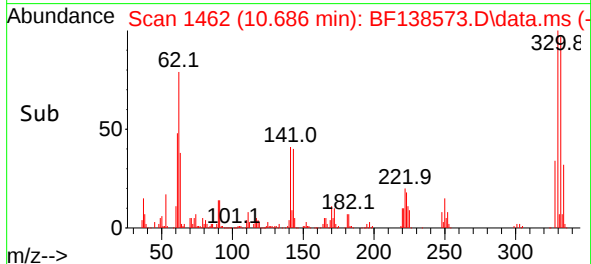
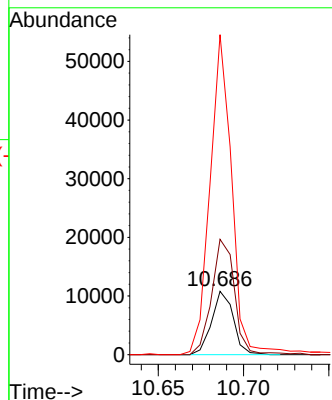
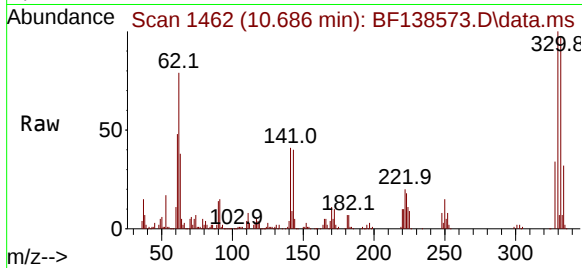




#67
4-Bromophenyl-phenylether
Concen: 3.051 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

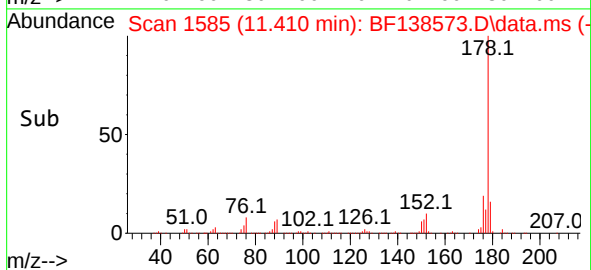
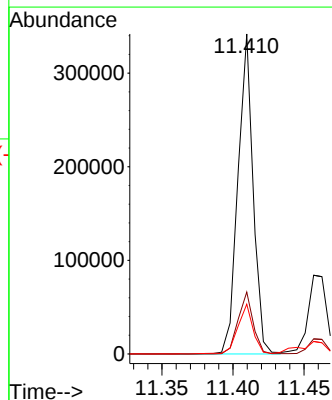
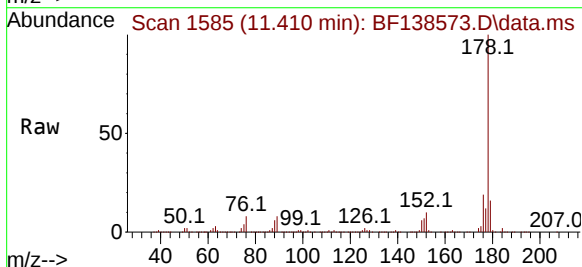
Instrument :
BNA_F
ClientSampleId :
PILE-CAP

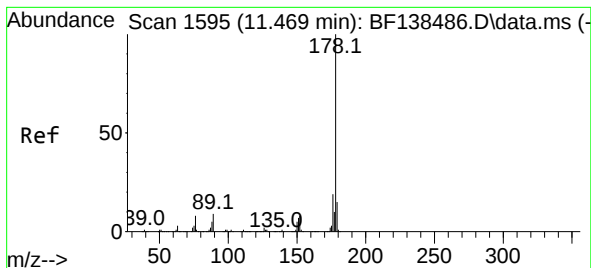
Tgt Ion:248 Resp: 9550
Ion Ratio Lower Upper
248 100
250 182.0 77.9 116.9#
141 504.6 67.7 101.5#



#71
Phenanthrene
Concen: 16.569 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Tgt Ion:178 Resp: 254965
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.6 12.2 18.2





#72

Anthracene

Concen: 4.912 ng

RT: 11.457 min Scan# 1593

Delta R.T. -0.012 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

Instrument :

BNA_F

ClientSampleId :

PILE-CAP

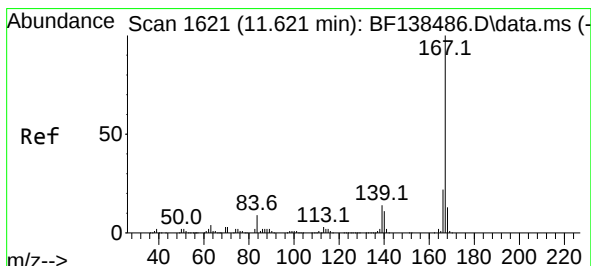
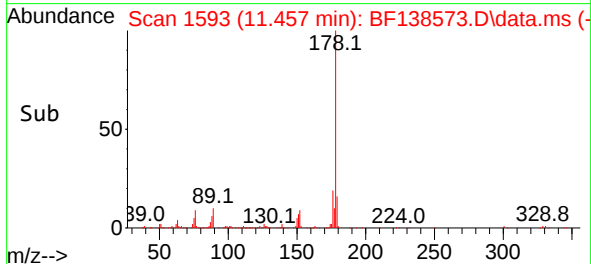
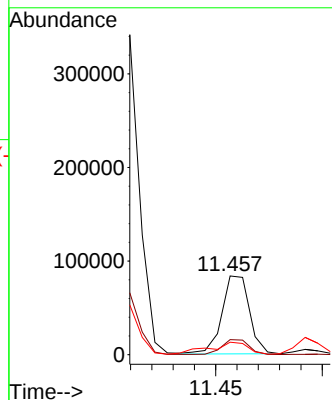
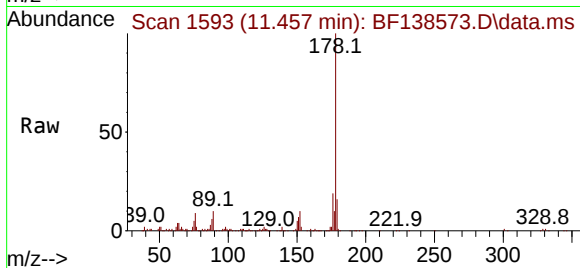
Tgt Ion:178 Resp: 75035

Ion Ratio Lower Upper

178 100

176 19.1 14.8 22.2

179 16.0 12.2 18.4



#73

Carbazole

Concen: 3.684 ng

RT: 11.616 min Scan# 1620

Delta R.T. -0.006 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

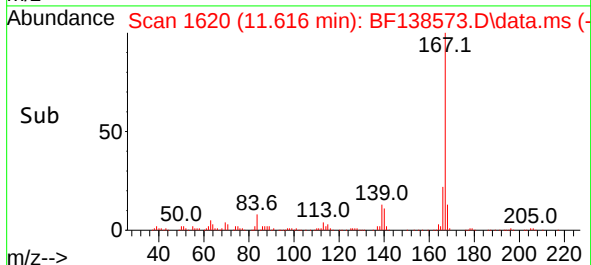
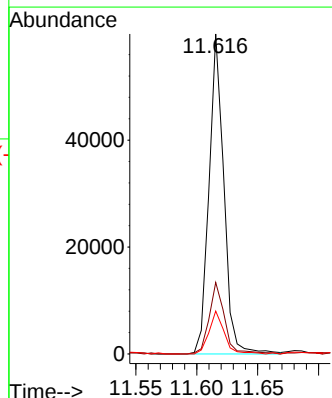
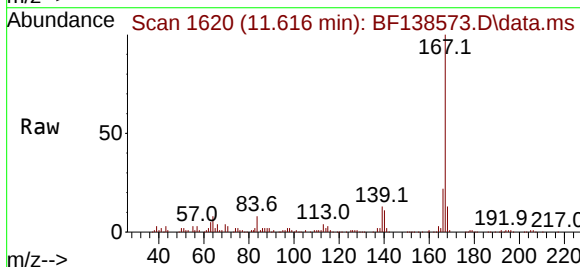
Tgt Ion:167 Resp: 50570

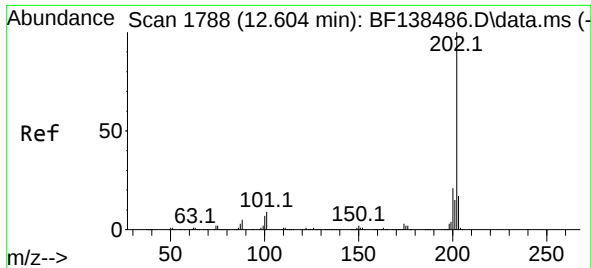
Ion Ratio Lower Upper

167 100

166 22.3 17.8 26.6

139 13.4 11.0 16.4

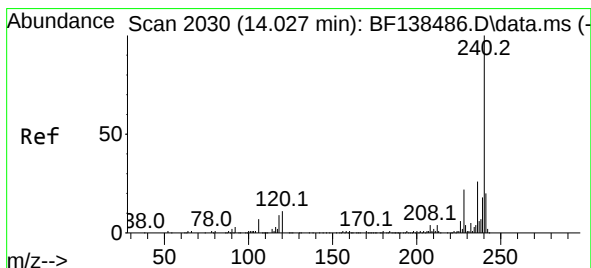
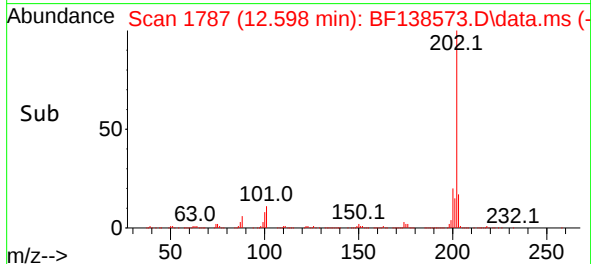
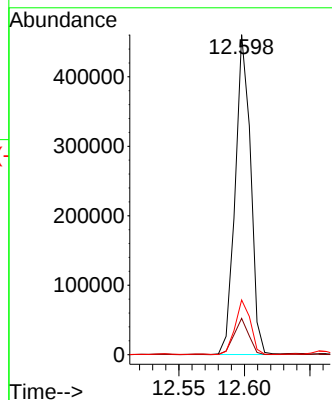
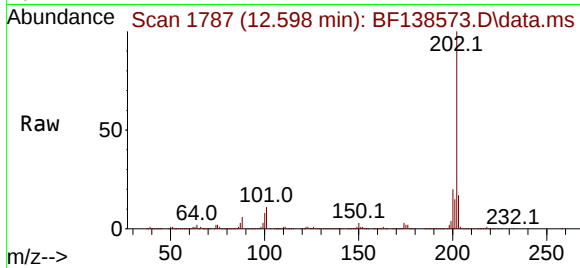




#75
Fluoranthene
Concen: 23.975 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

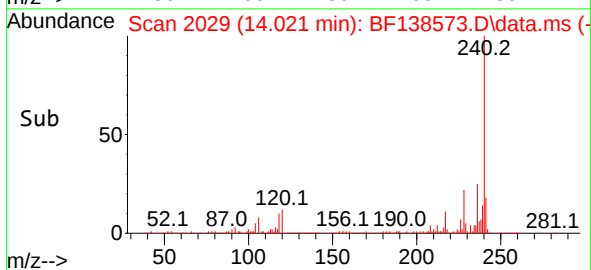
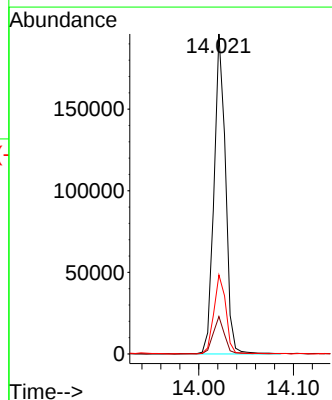
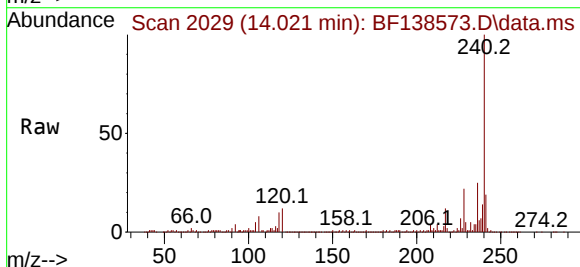
Instrument :
BNA_F
ClientSampleId :
PILE-CAP

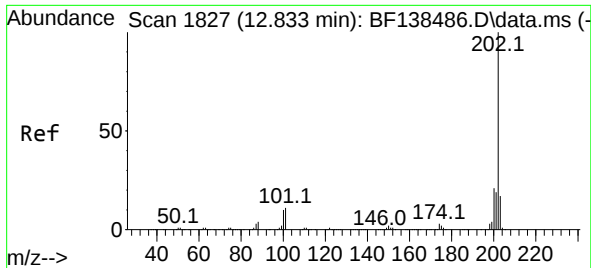
Tgt Ion:202 Resp: 376443
Ion Ratio Lower Upper
202 100
101 11.4 0.0 29.2
203 17.1 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Tgt Ion:240 Resp: 164574
Ion Ratio Lower Upper
240 100
120 11.7 8.6 12.8
236 24.7 21.0 31.6

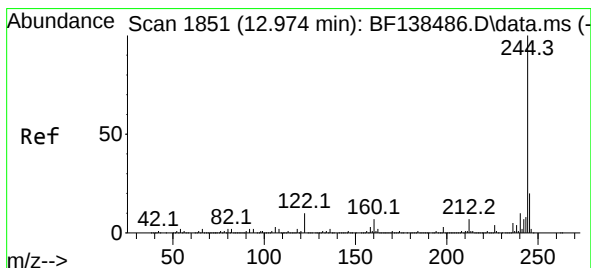
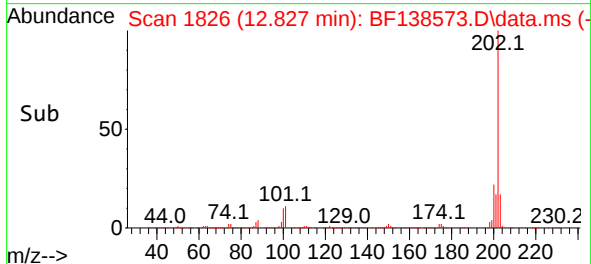
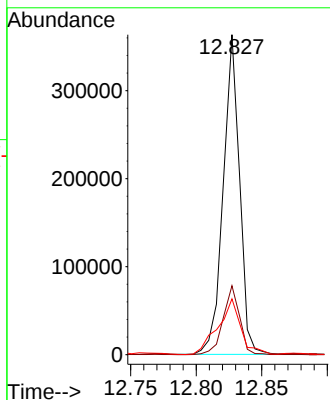
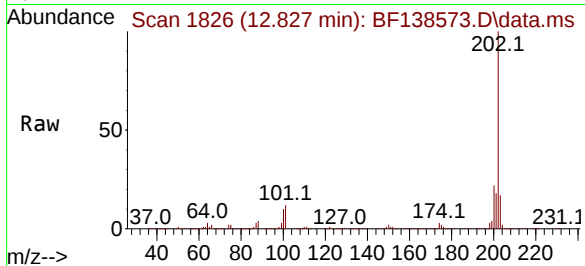




#78
Pyrene
Concen: 18.866 ng
RT: 12.827 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

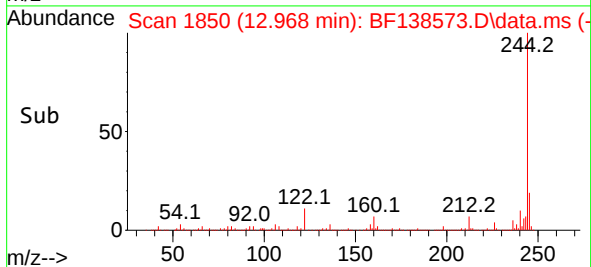
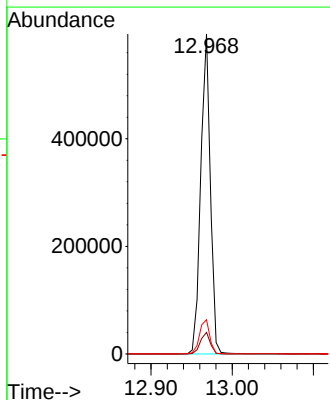
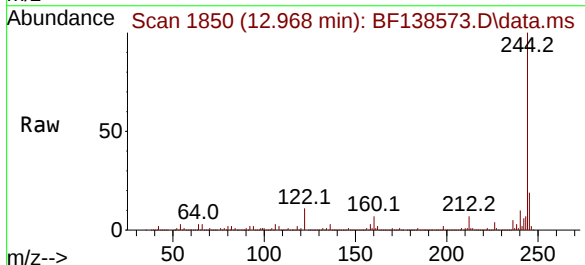
Instrument :
BNA_F
ClientSampleId :
PILE-CAP

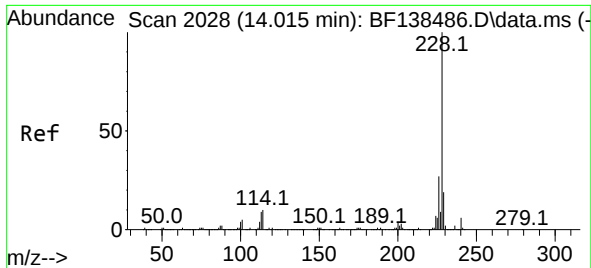
Tgt Ion:202 Resp: 315190
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.6
203 17.5 13.7 20.5



#79
Terphenyl-d14
Concen: 48.435 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Tgt Ion:244 Resp: 489293
Ion Ratio Lower Upper
244 100
212 6.7 5.5 8.3
122 10.7 7.8 11.8

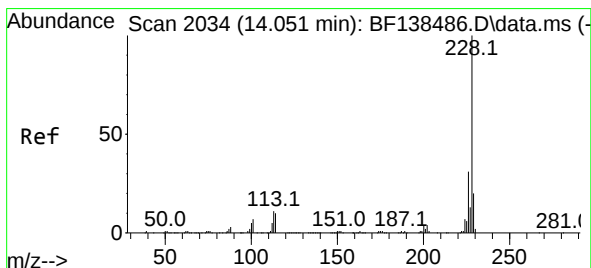
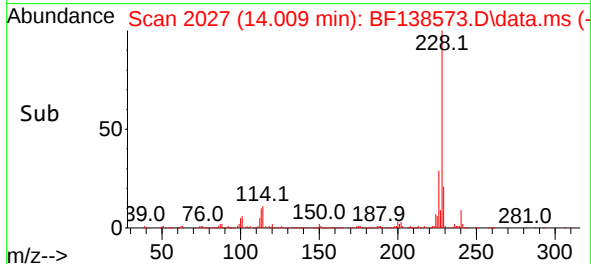
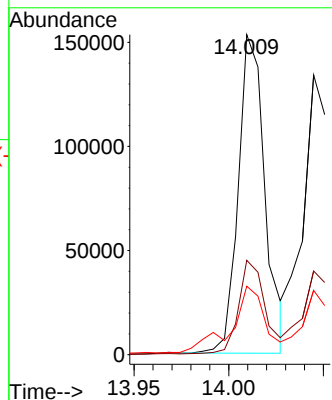
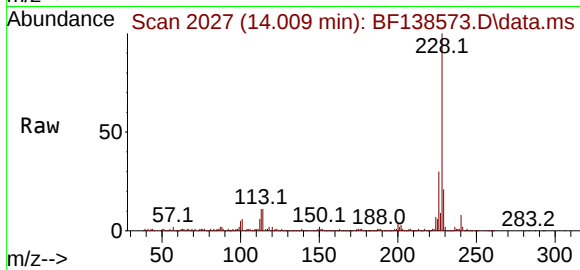




#81
Benzo(a)anthracene
Concen: 13.553 ng
RT: 14.009 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

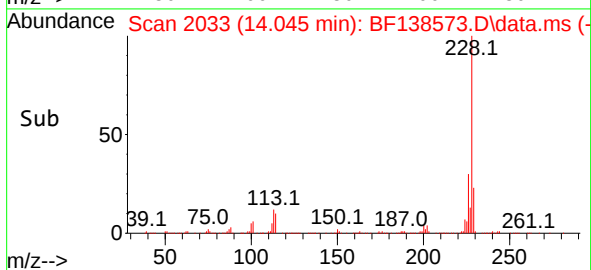
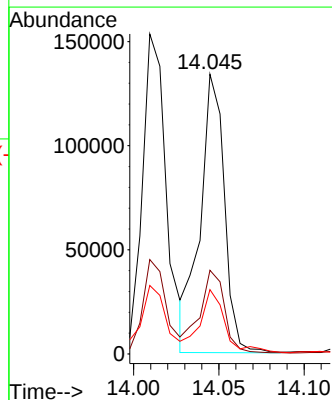
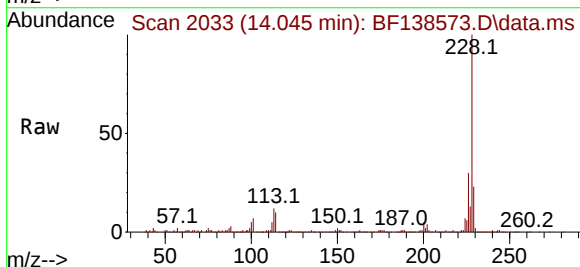
Instrument :
BNA_F
ClientSampleId :
PILE-CAP

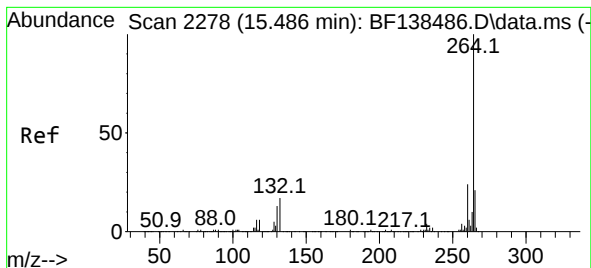
Tgt Ion:228 Resp: 149669
Ion Ratio Lower Upper
228 100
226 29.5 21.9 32.9
229 21.4 15.5 23.3



#83
Chrysene
Concen: 12.681 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Tgt Ion:228 Resp: 132477
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 23.0 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

Instrument :

BNA_F

ClientSampleId :

PILE-CAP

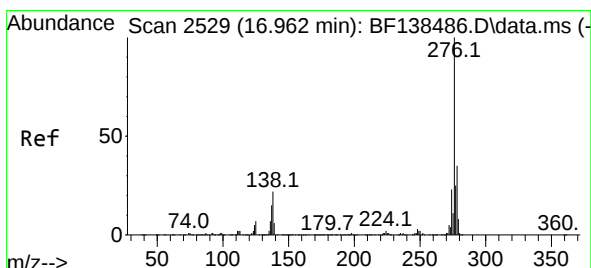
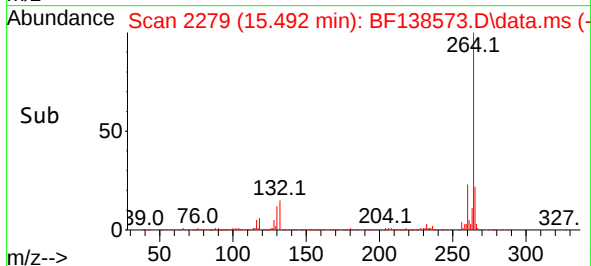
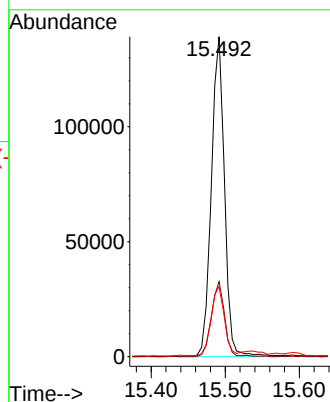
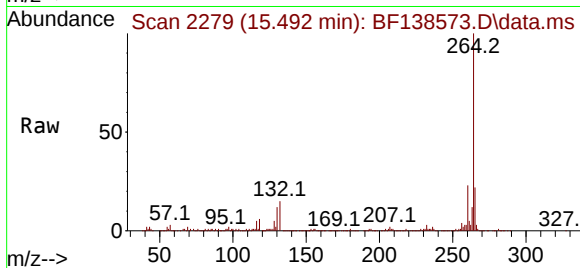
Tgt Ion:264 Resp: 171931

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 21.9 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.897 ng

RT: 16.956 min Scan# 2528

Delta R.T. -0.006 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

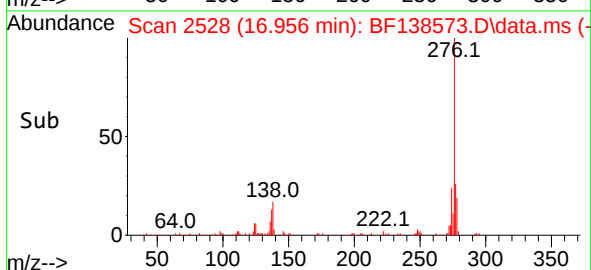
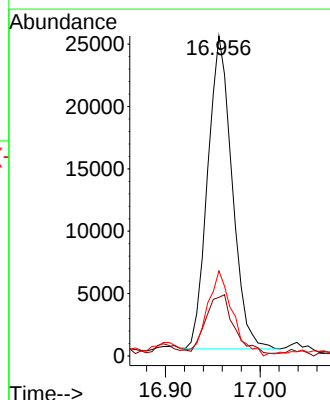
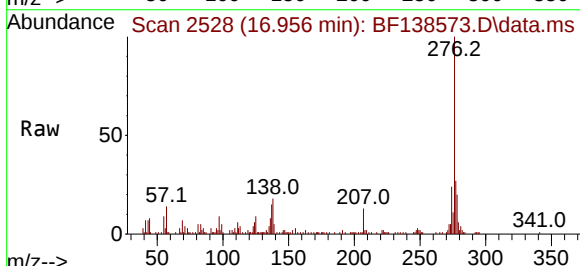
Tgt Ion:276 Resp: 45002

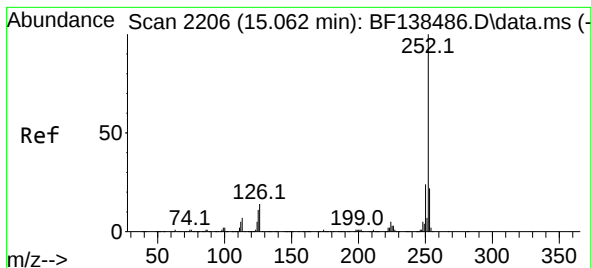
Ion Ratio Lower Upper

276 100

138 21.8 19.6 29.4

277 26.5 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 22.252 ng

RT: 15.062 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

Instrument :

BNA_F

ClientSampleId :

PILE-CAP

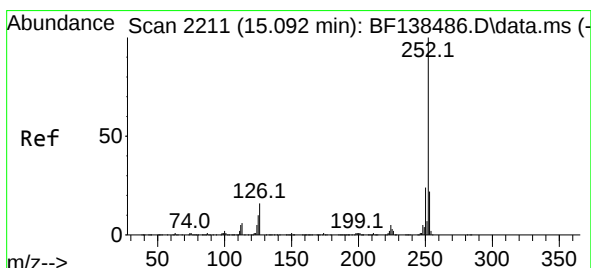
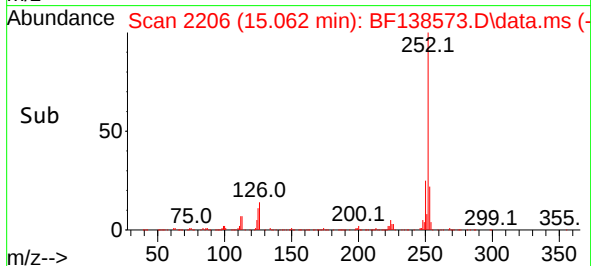
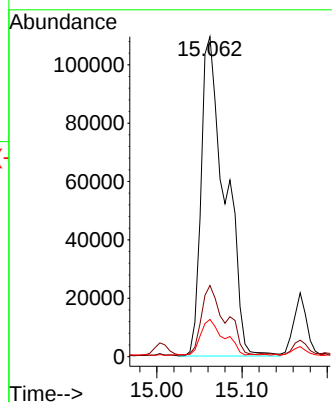
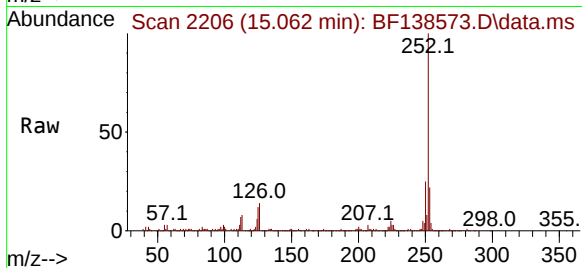
Tgt Ion:252 Resp: 215456

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 11.6 8.6 13.0



#89

Benzo(k)fluoranthene

Concen: 22.816 ng

RT: 15.062 min Scan# 2206

Delta R.T. -0.029 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

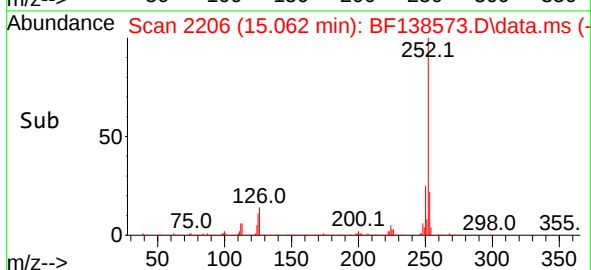
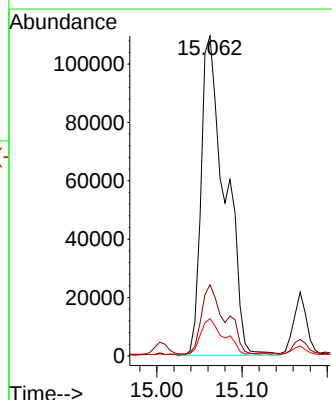
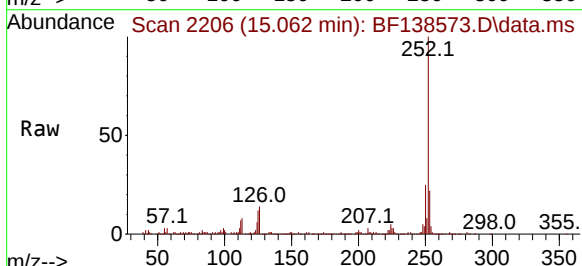
Tgt Ion:252 Resp: 215456

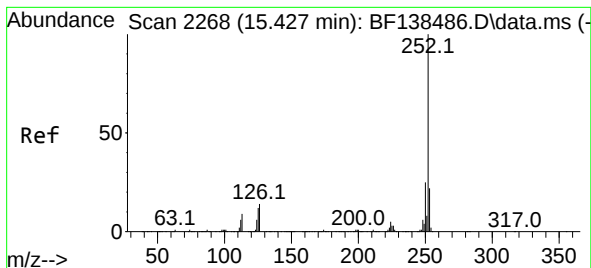
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 11.6 8.1 12.1





#90

Benzo(a)pyrene

Concen: 12.636 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

Instrument :

BNA_F

ClientSampleId :

PILE-CAP

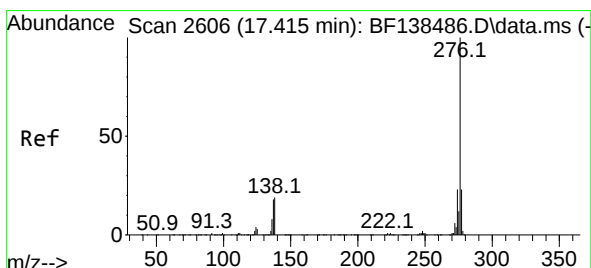
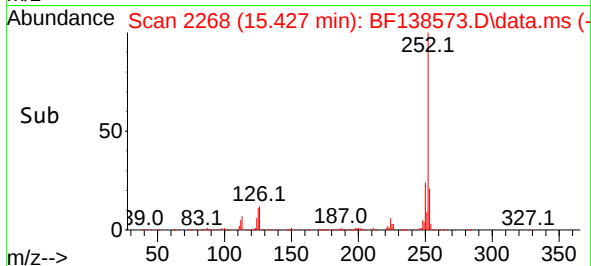
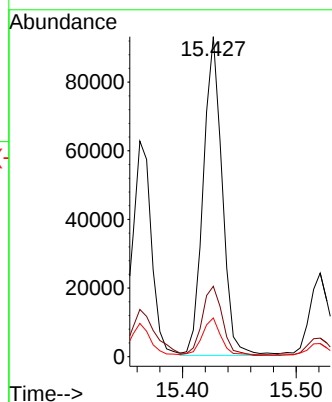
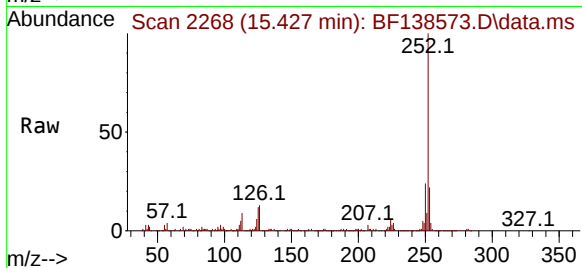
Tgt Ion:252 Resp: 107482

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 12.1 9.4 14.2



#92

Benzo(g,h,i)perylene

Concen: 4.254 ng

RT: 17.403 min Scan# 2604

Delta R.T. -0.012 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

Tgt Ion:276 Resp: 42611

Ion Ratio Lower Upper

276 100

277 25.8 18.0 27.0

138 20.4 15.5 23.3

