

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100724\
 Data File : BF139695.D
 Acq On : 07 Oct 2024 19:25
 Operator : RC/JU
 Sample : P4270-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IB-2

Quant Time: Oct 08 01:13:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

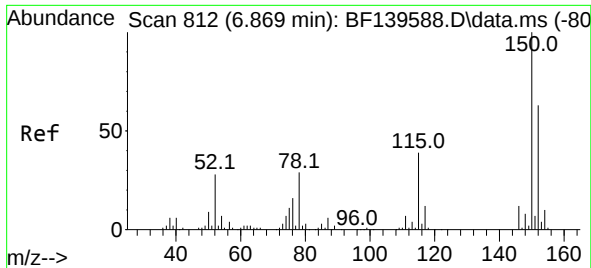
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	86279	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	330914	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	182140	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	330513	20.000	ng	0.00
76) Chrysene-d12	14.027	240	164843	20.000	ng	0.00
86) Perylene-d12	15.498	264	187774	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	463588	93.129	ng	0.00
7) Phenol-d6	6.498	99	630722	94.219	ng	0.00
23) Nitrobenzene-d5	7.428	82	407363	62.327	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	151612	86.228	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	694514	58.538	ng	0.00
79) Terphenyl-d14	12.974	244	570623	56.799	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	55700	12.942	ng	# 74
25) Isophorone	7.428	82	403801	34.785	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	24177	8.976	ng	# 18
52) Acenaphthene	9.933	154	27868	2.628	ng	99
56) 4-Nitrophenol	10.104	139	7464	3.556	ng	# 1
57) 2,4-Dinitrotoluene	9.898	165	24177	6.867	ng	# 17
58) Fluorene	10.445	166	33254	2.812	ng	98
63) Azobenzene	10.616	77	76516	6.178	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	10423	3.076	ng	# 1
71) Phenanthrene	11.410	178	405730	26.035	ng	99
72) Anthracene	11.463	178	105836	6.865	ng	98
73) Carbazole	11.622	167	36897	2.492	ng	99
75) Fluoranthene	12.604	202	419883	24.647	ng	99
77) Benzidine	12.969	184	8163	2.807	ng	# 88
78) Pyrene	12.827	202	349560	23.710	ng	97
81) Benzo(a)anthracene	14.015	228	145408	13.417	ng	98
83) Chrysene	14.051	228	127030	12.820	ng	97
87) Indeno(1,2,3-cd)pyrene	16.962	276	54966	4.973	ng	94
88) Benzo(b)fluoranthene	15.068	252	188132	15.495	ng	# 96
89) Benzo(k)fluoranthene	15.068	252	188132	18.267	ng	97
90) Benzo(a)pyrene	15.433	252	110228	11.514	ng	97
92) Benzo(g,h,i)perylene	17.409	276	45834	4.986	ng	97

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

IB-2

Response via : Initial Calibration

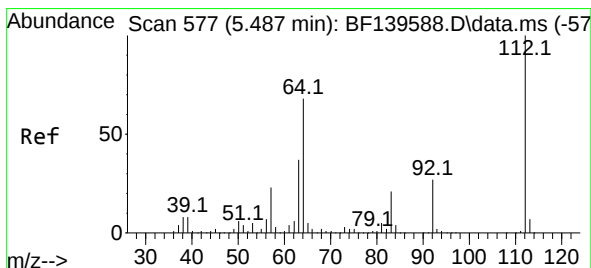
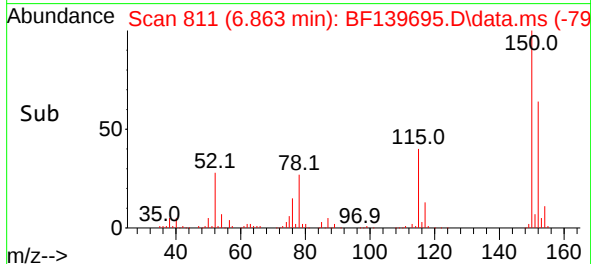
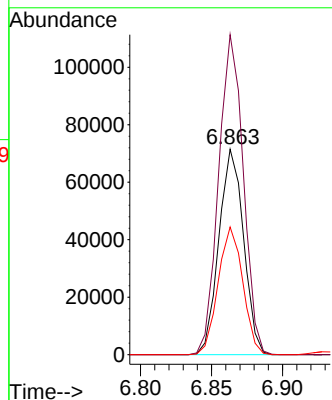
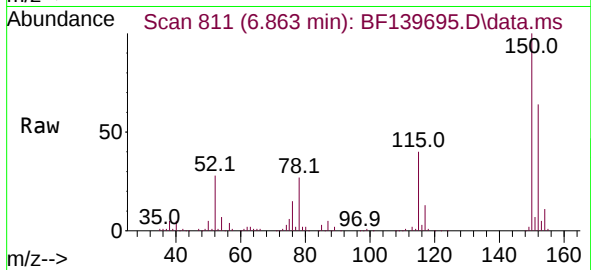




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

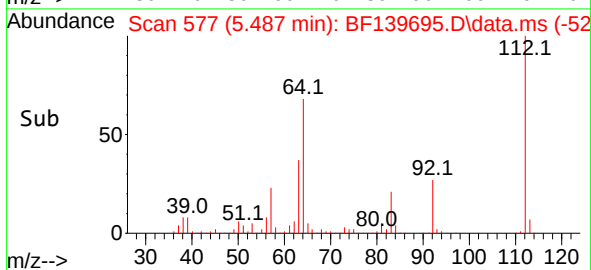
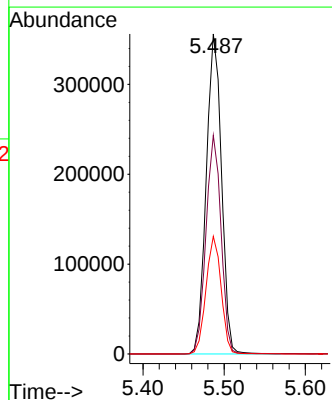
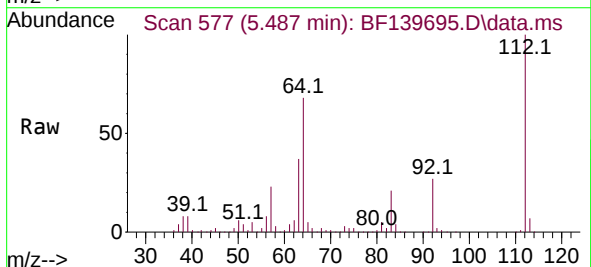
Instrument :
BNA_F
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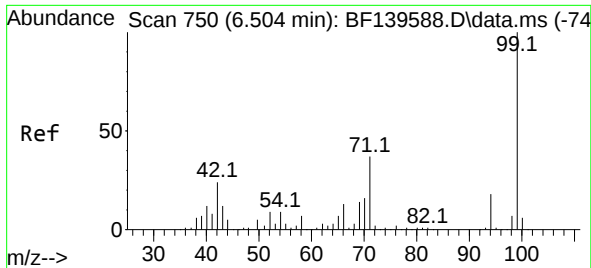
Tgt Ion:152 Resp: 86279
Ion Ratio Lower Upper
152 100
150 155.8 127.2 190.8
115 62.2 49.0 73.4



#5
2-Fluorophenol
Concen: 93.129 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Tgt Ion:112 Resp: 463588
Ion Ratio Lower Upper
112 100
64 68.3 54.2 81.4
63 36.8 29.4 44.2

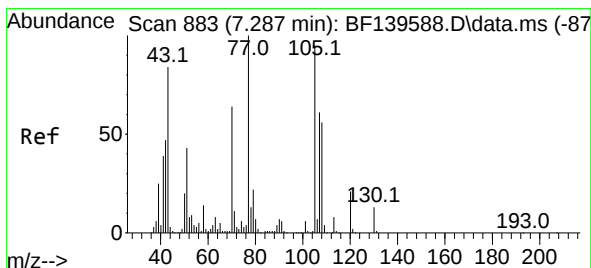
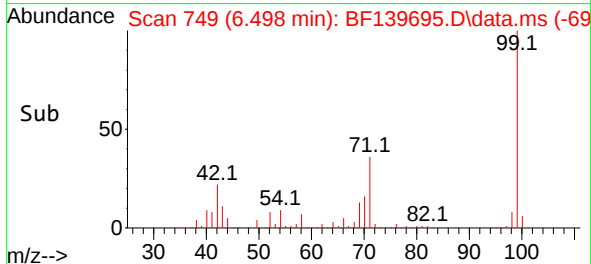
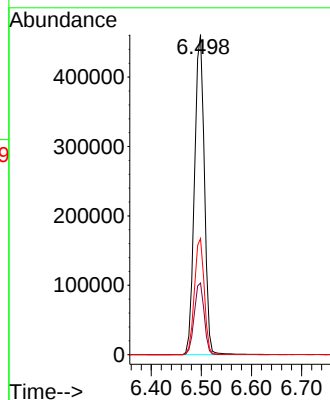
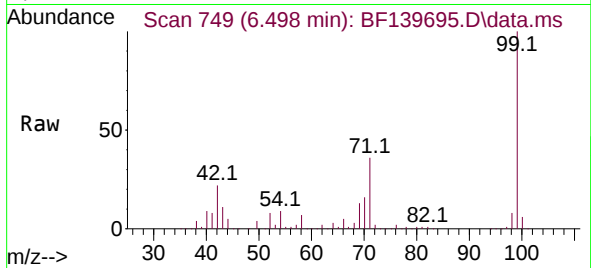




#7
Phenol-d6
Concen: 94.219 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

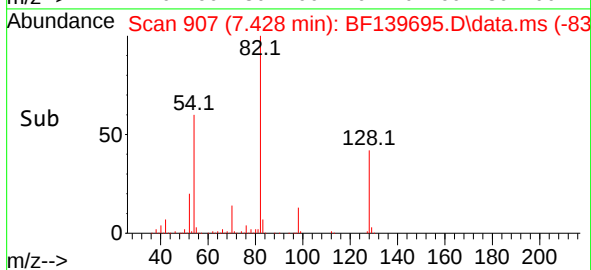
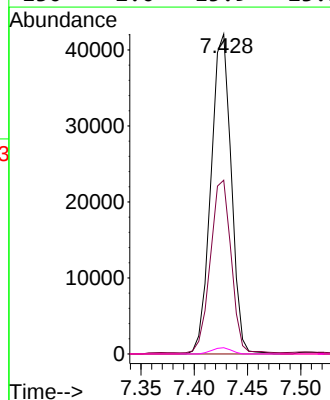
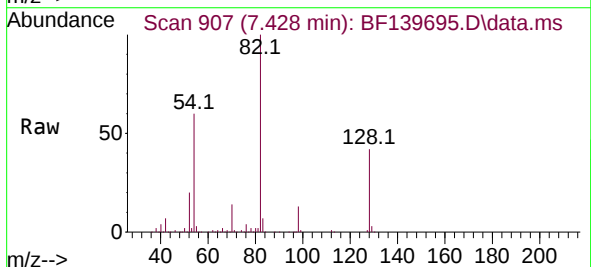
Instrument :
BNA_F
ClientSampleId :
IB-2

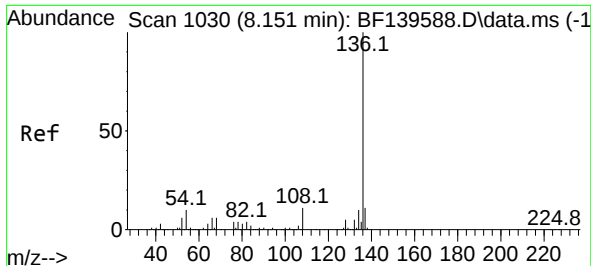
Tgt Ion: 99 Resp: 630722
Ion Ratio Lower Upper
99 100
42 22.4 19.1 28.7
71 36.3 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.942 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Tgt Ion: 70 Resp: 55700
Ion Ratio Lower Upper
70 100
42 54.3 58.0 87.0#
101 0.0 7.8 11.8#
130 2.0 15.9 23.9#



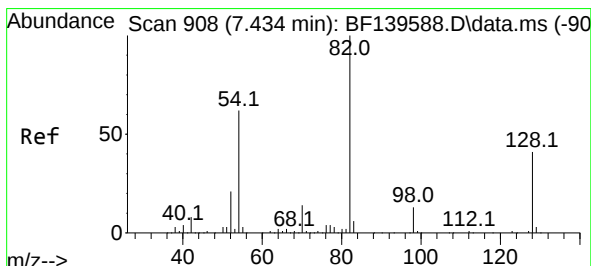
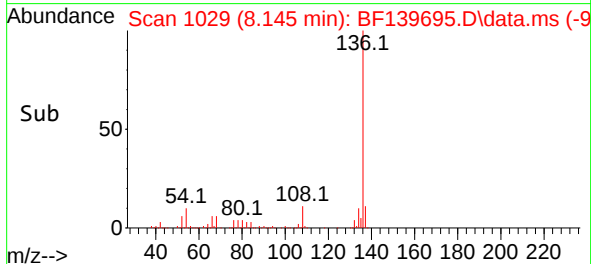
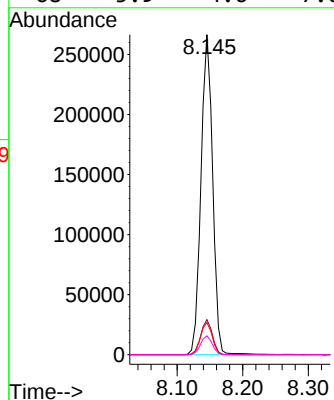
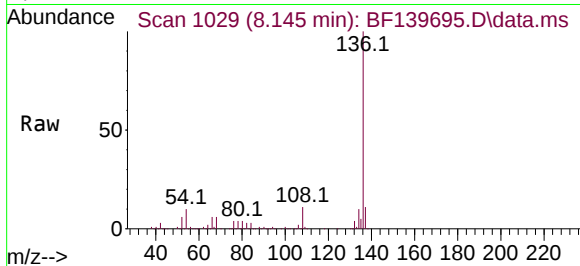


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Instrument :
BNA_F
ClientSampleId :
IB-2

Tgt Ion:136 Resp: 330914

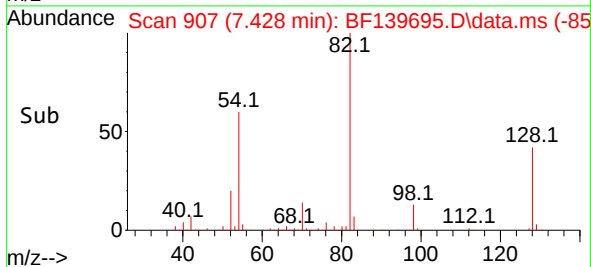
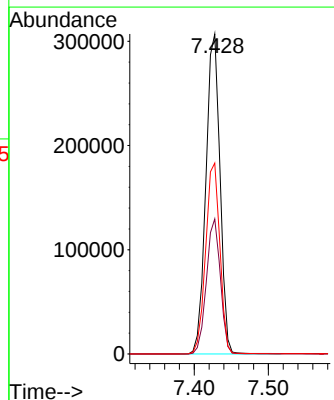
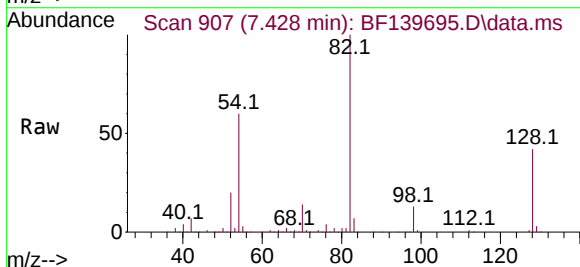
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.1	8.3	12.5
68	5.9	4.6	7.0

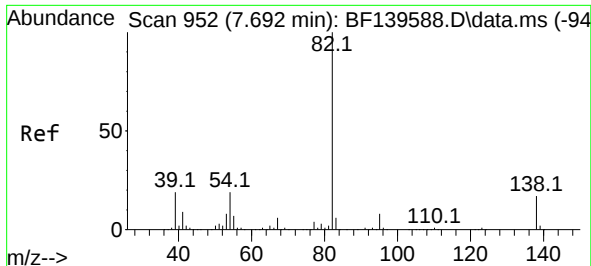


#23
Nitrobenzene-d5
Concen: 62.327 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Tgt Ion: 82 Resp: 407363

Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.4	48.6
54	59.7	49.1	73.7

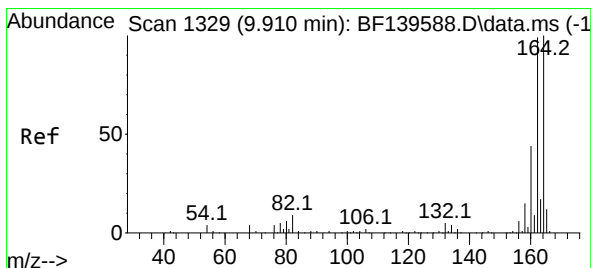
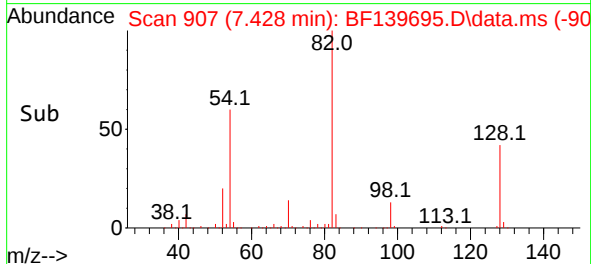
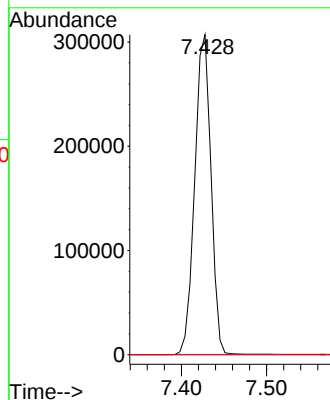
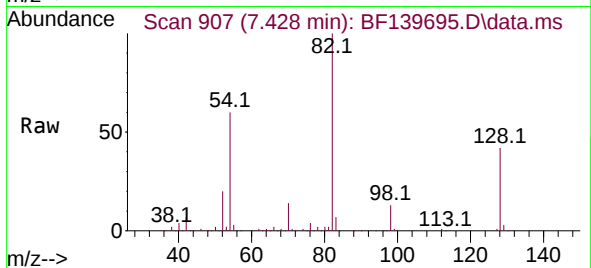




#25
Isophorone
Concen: 34.785 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

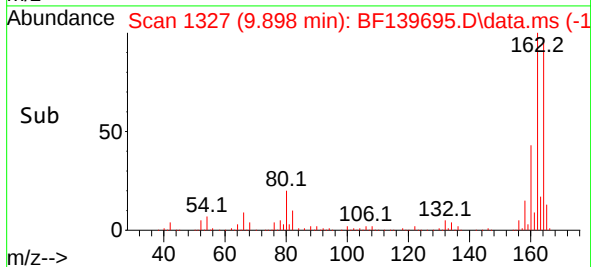
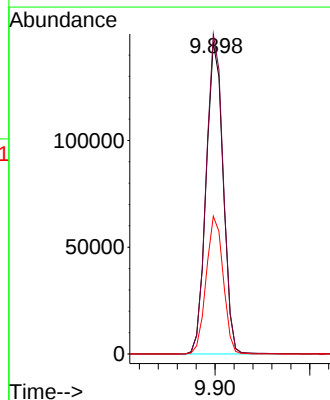
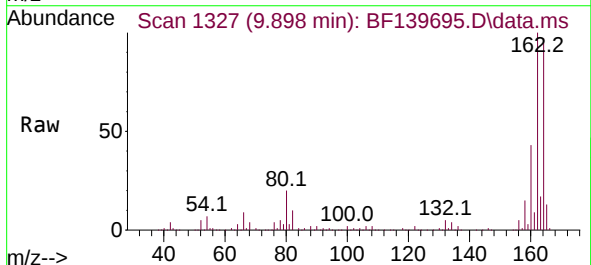
Instrument :
BNA_F
ClientSampleId :
IB-2

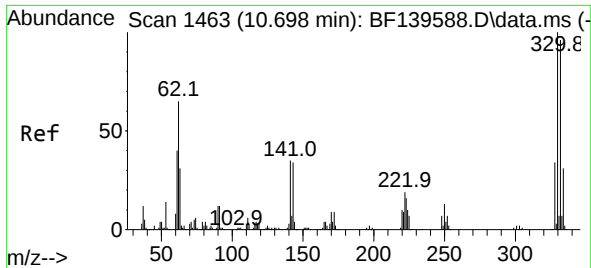
Tgt Ion: 82 Resp: 403801
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

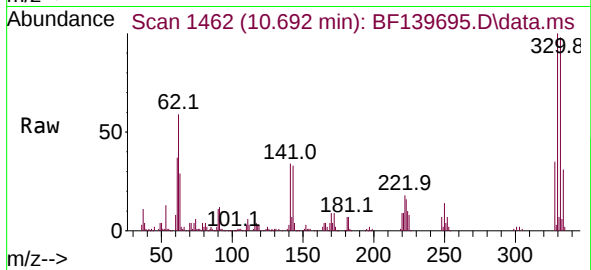
Tgt Ion:164 Resp: 182140
Ion Ratio Lower Upper
164 100
162 102.8 79.4 119.0
160 44.2 35.1 52.7



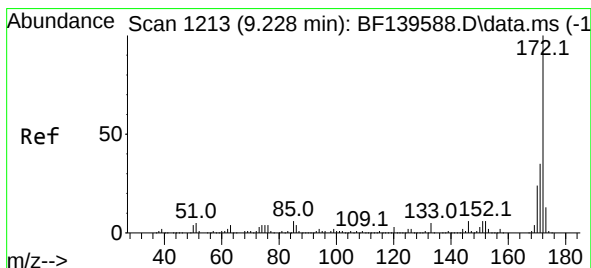
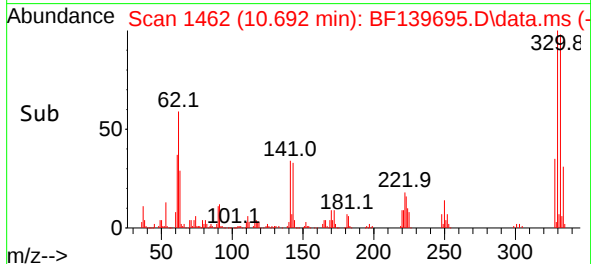
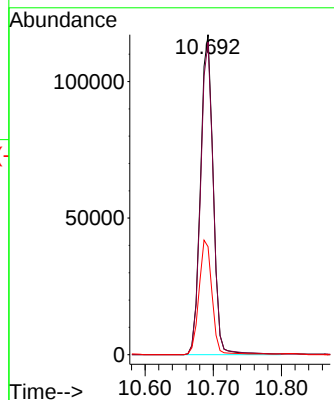


#42
2,4,6-Tribromophenol
Concen: 86.228 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Instrument :
BNA_F
ClientSampleId :
IB-2

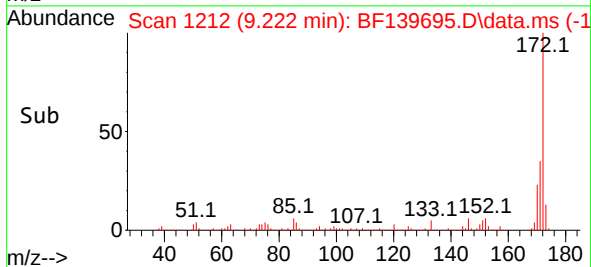
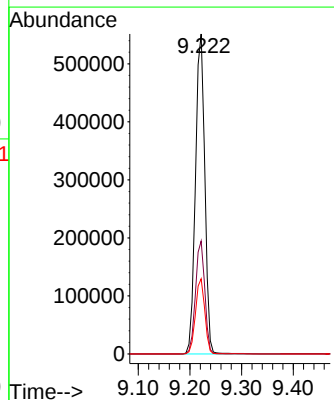
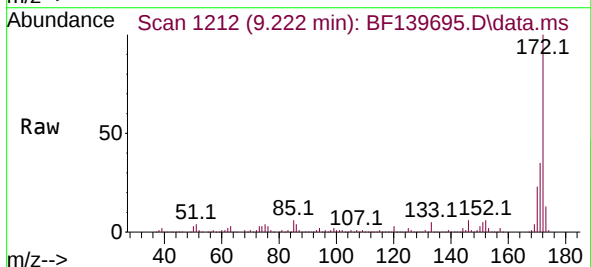


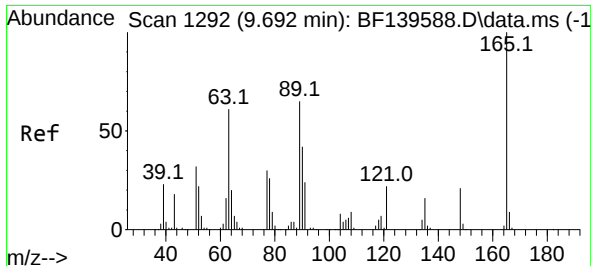
Tgt Ion:330 Resp: 151612
Ion Ratio Lower Upper
330 100
332 98.4 76.5 114.7
141 36.9 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 58.538 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Tgt Ion:172 Resp: 694514
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.5 18.8 28.2

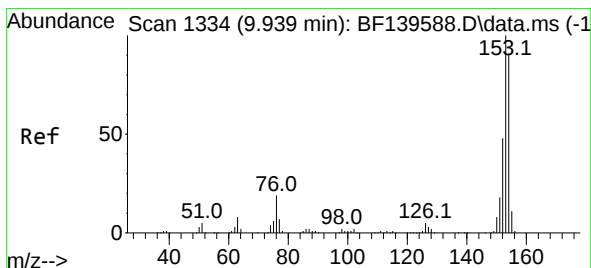
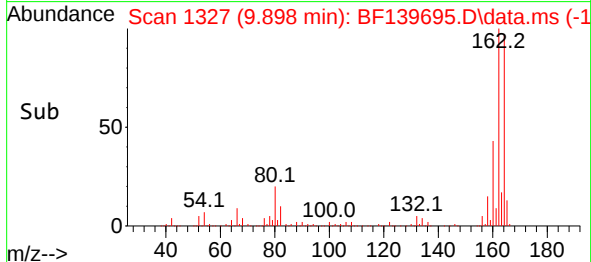
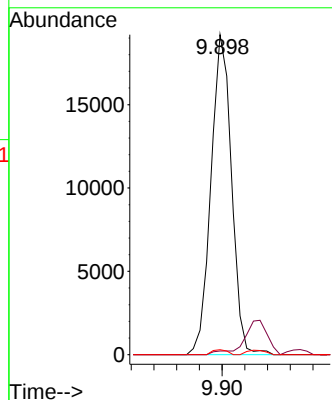
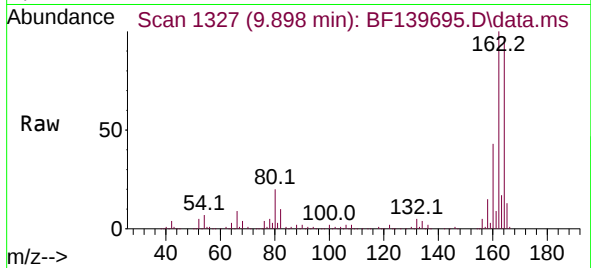




#51
2,6-Dinitrotoluene
Concen: 8.976 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

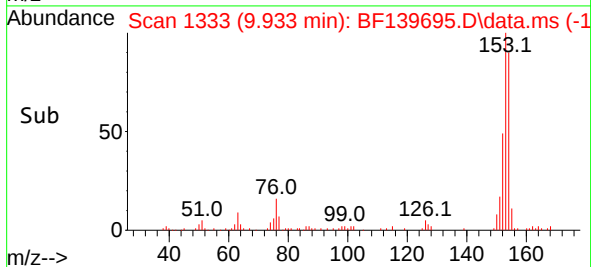
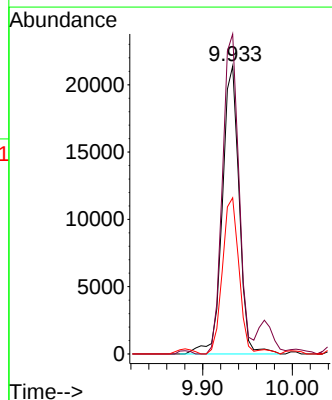
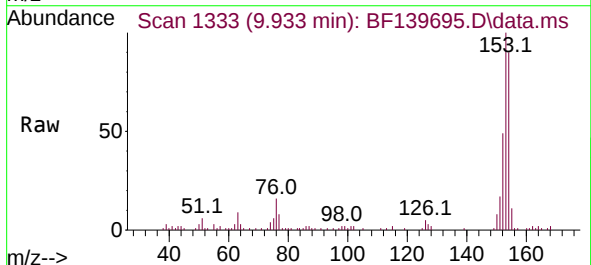
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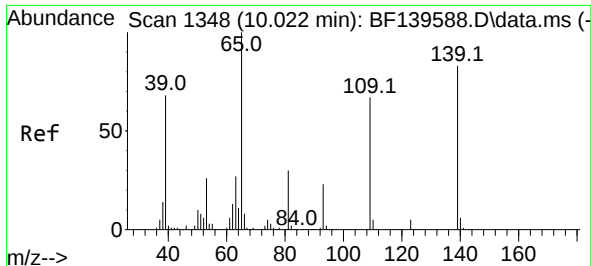
Tgt Ion:165 Resp: 24177
Ion Ratio Lower Upper
165 100
63 1.2 56.7 85.1#
89 1.6 51.6 77.4#



#52
Acenaphthene
Concen: 2.628 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Tgt Ion:154 Resp: 27868
Ion Ratio Lower Upper
154 100
153 111.1 88.8 133.2
152 54.2 42.5 63.7

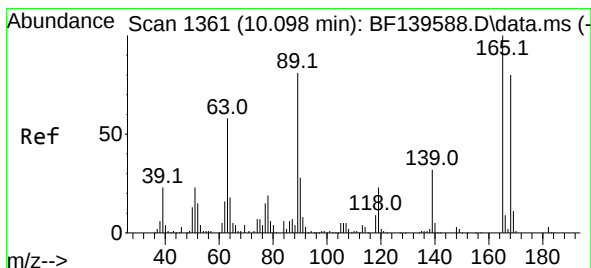
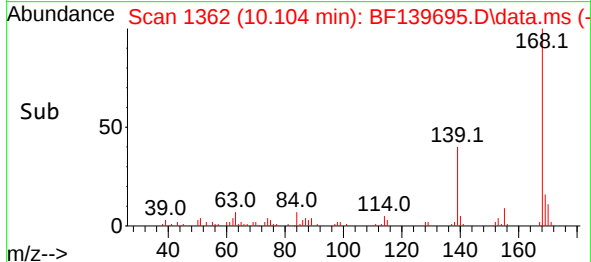
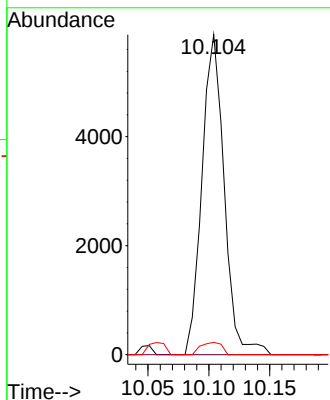
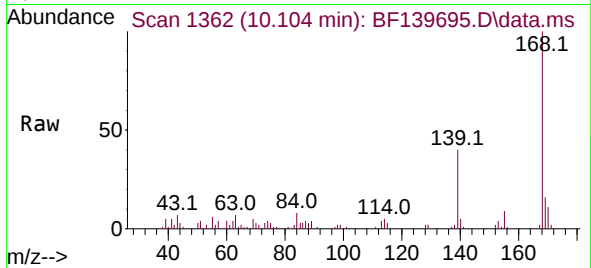




#56
4-Nitrophenol
Concen: 3.556 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

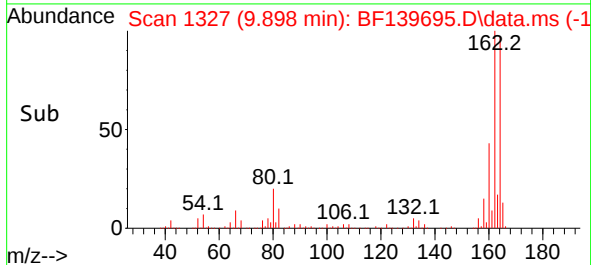
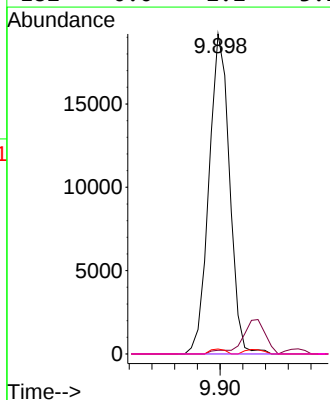
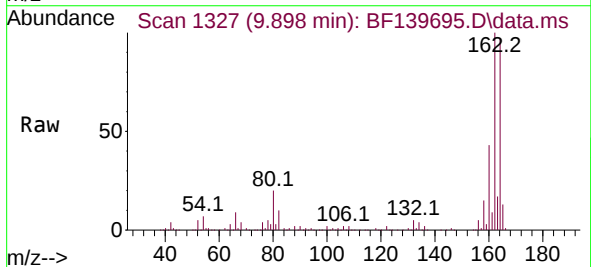
Instrument :
BNA_F
ClientSampleId :
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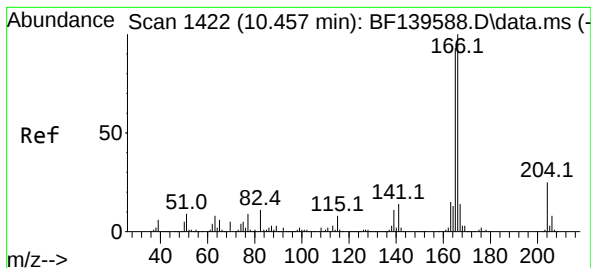
Tgt Ion:139 Resp: 7464
Ion Ratio Lower Upper
139 100
109 0.0 60.3 100.3#
65 3.9 100.8 140.8#



#57
2,4-Dinitrotoluene
Concen: 6.867 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Tgt Ion:165 Resp: 24177
Ion Ratio Lower Upper
165 100
63 1.2 46.9 70.3#
89 1.6 64.4 96.6#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: 2.812 ng

RT: 10.445 min Scan# 1422

Delta R.T. -0.012 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

Instrument :

BNA_F

ClientSampleId :

IB-2

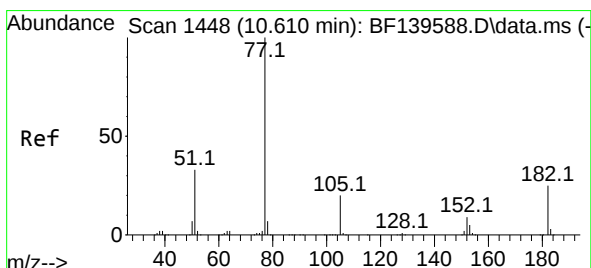
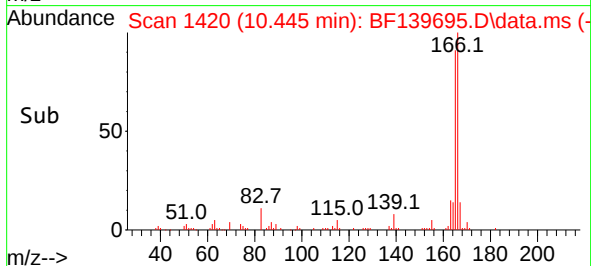
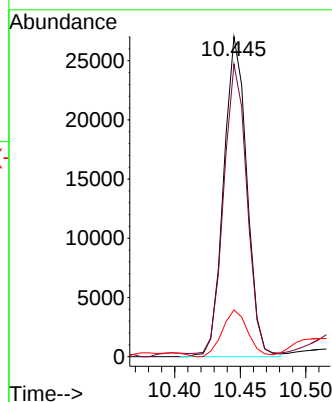
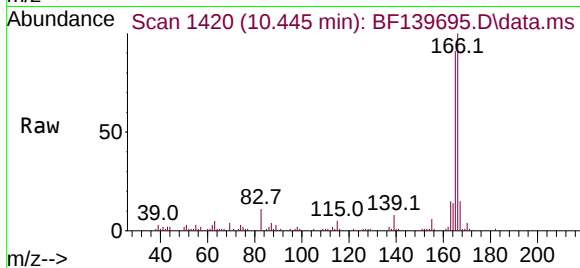
Tgt Ion:166 Resp: 33254

Ion Ratio Lower Upper

166 100

165 91.4 74.4 111.6

167 14.6 10.9 16.3



#63

Azobenzene

Concen: 6.178 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

Tgt Ion: 77 Resp: 76516

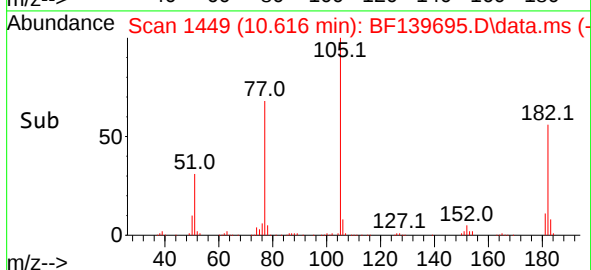
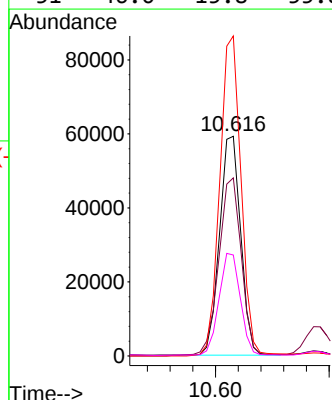
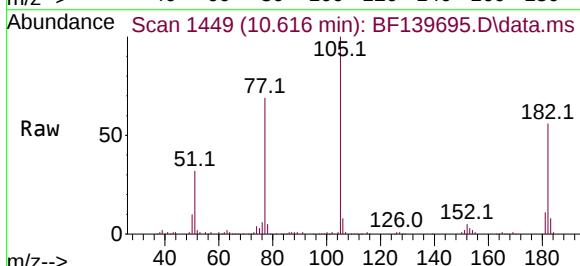
Ion Ratio Lower Upper

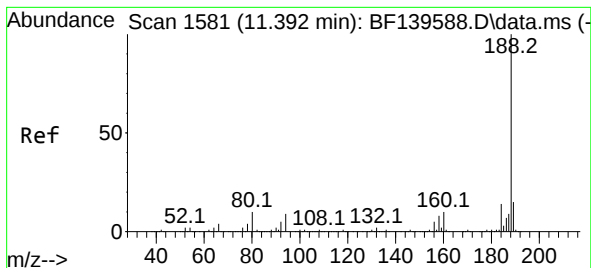
77 100

182 81.1 4.2 44.2#

105 145.7 0.0 39.6#

51 46.0 15.8 55.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

Instrument :

BNA_F

ClientSampleId :

IB-2

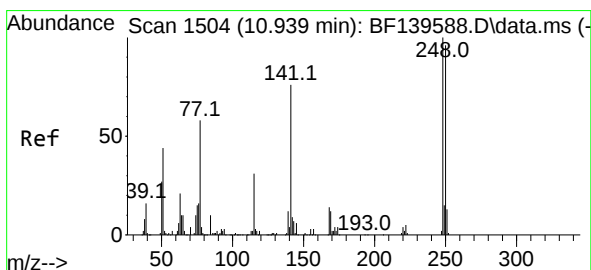
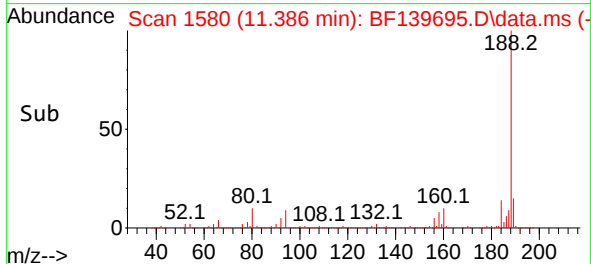
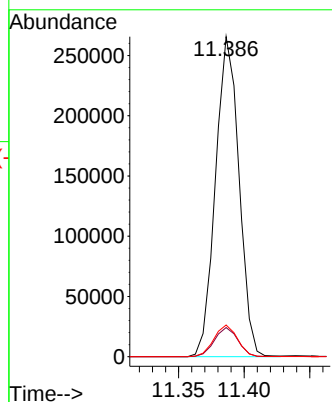
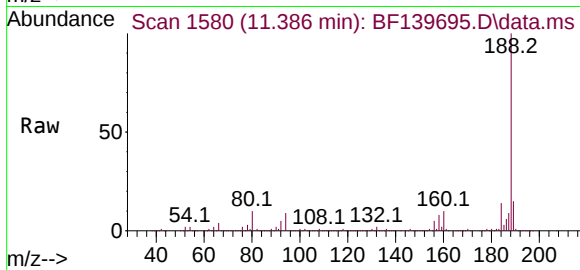
Tgt Ion:188 Resp: 330513

Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

80 9.9 8.2 12.2



#67

4-Bromophenyl-phenylether

Concen: 3.076 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.247 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

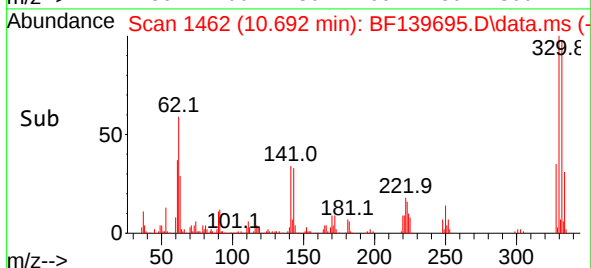
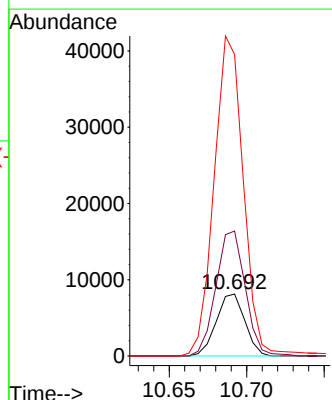
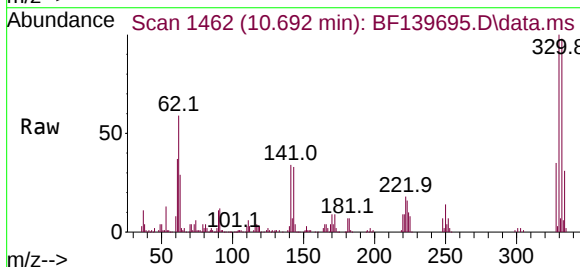
Tgt Ion:248 Resp: 10423

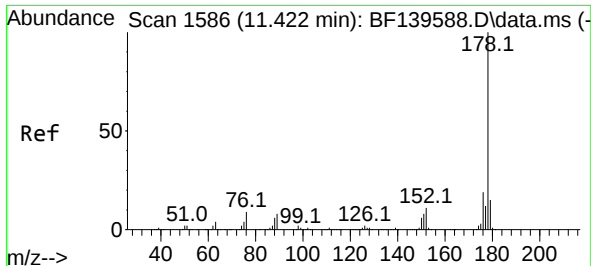
Ion Ratio Lower Upper

248 100

250 201.9 77.1 115.7#

141 487.3 60.4 90.6#

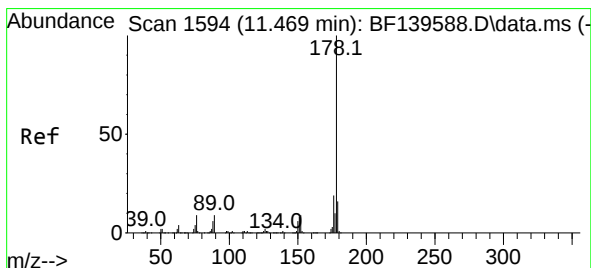
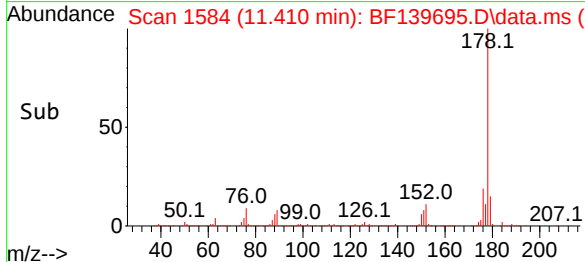
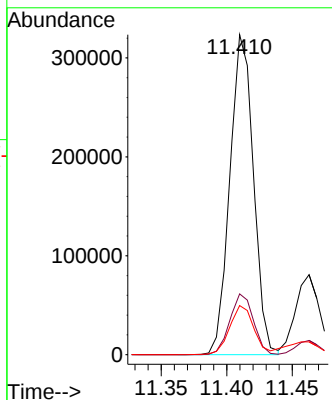
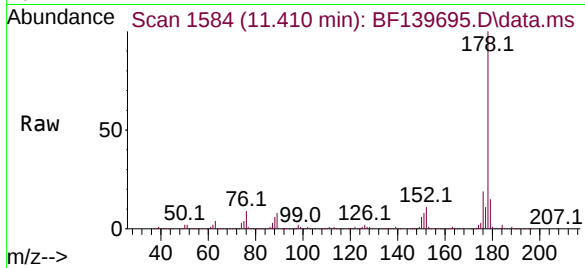




#71
Phenanthrene
Concen: 26.035 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

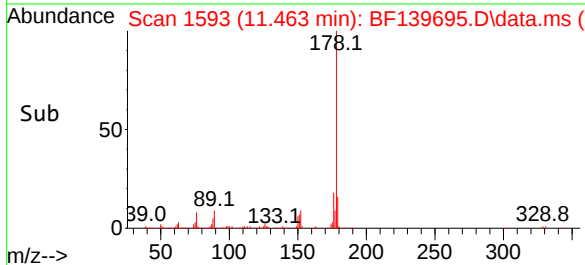
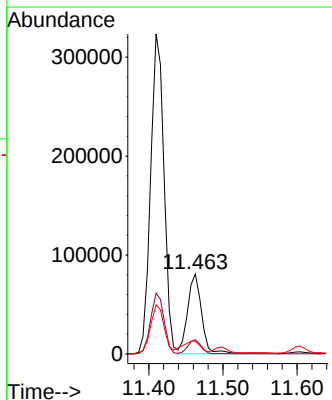
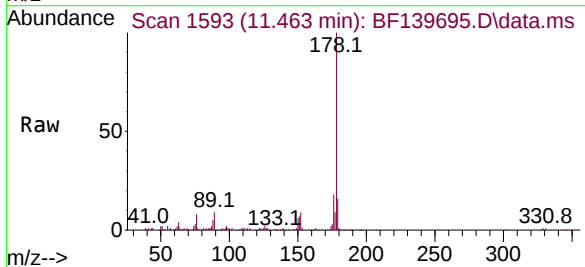
Instrument :
BNA_F
ClientSampleId :
IB-2

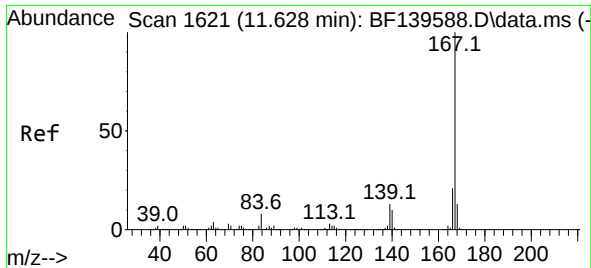
Tgt Ion:178 Resp: 405730
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.4 12.3 18.5



#72
Anthracene
Concen: 6.865 ng
RT: 11.463 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Tgt Ion:178 Resp: 105836
Ion Ratio Lower Upper
178 100
176 17.8 15.1 22.7
179 16.1 12.5 18.7

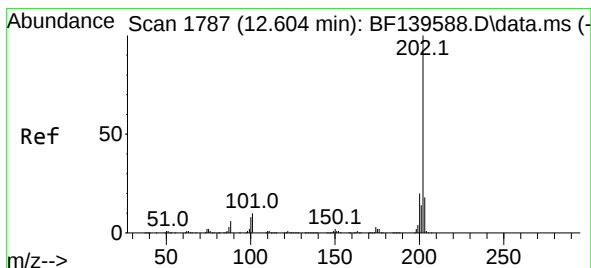
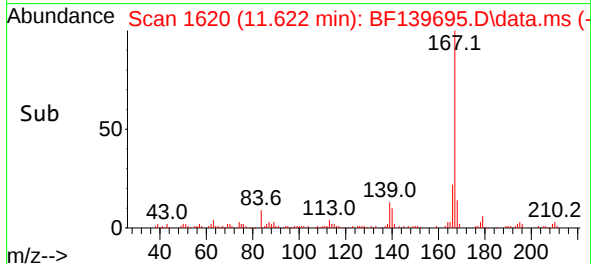
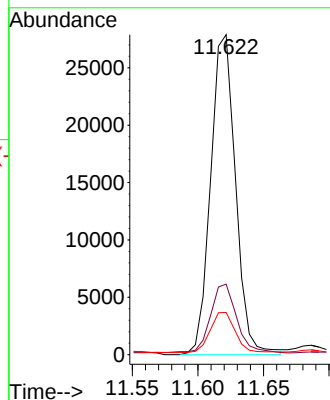
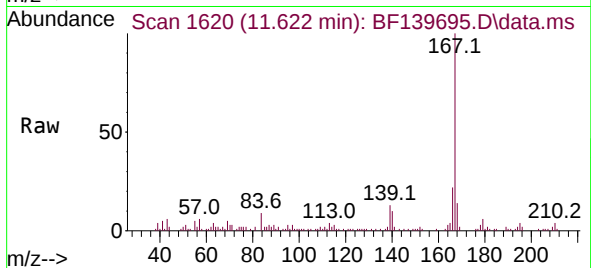




#73
Carbazole
Concen: 2.492 ng
RT: 11.622 min Scan# 1620
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

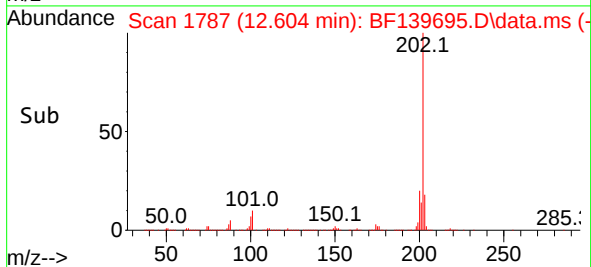
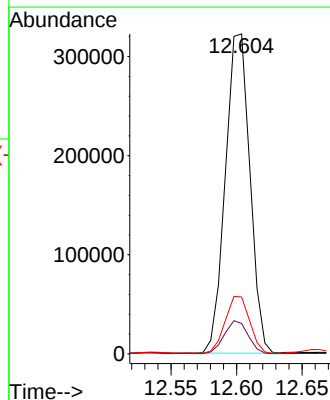
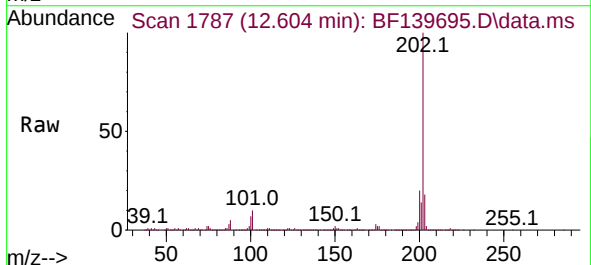
Instrument :
BNA_F
ClientSampleId :
IB-2

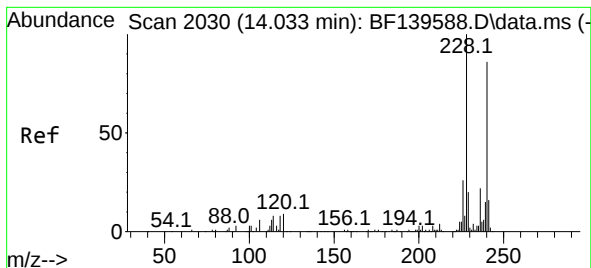
Tgt Ion:167 Resp: 36897
Ion Ratio Lower Upper
167 100
166 22.1 17.2 25.8
139 13.2 10.3 15.5



#75
Fluoranthene
Concen: 24.647 ng
RT: 12.604 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Tgt Ion:202 Resp: 419883
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.2
203 17.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

Instrument :

BNA_F

ClientSampleId :

IB-2

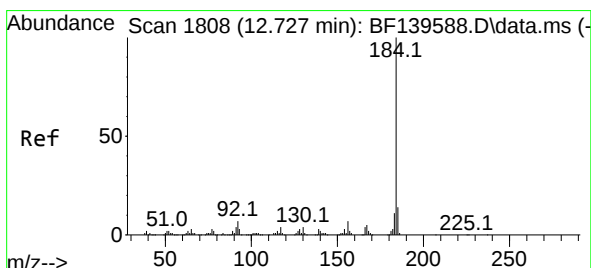
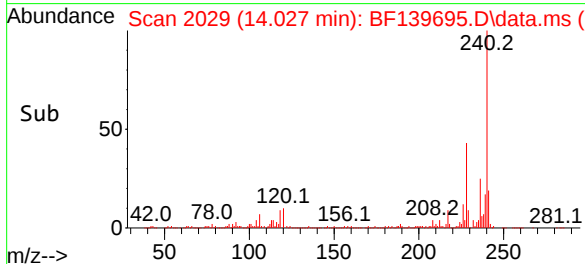
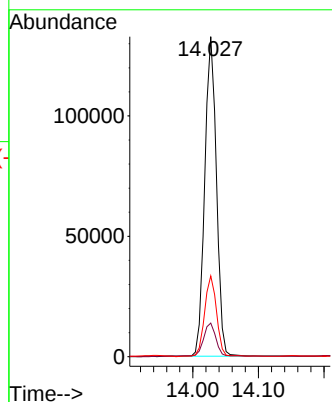
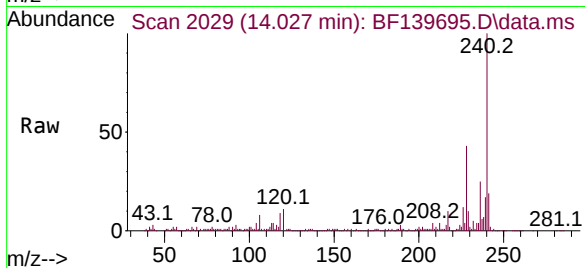
Tgt Ion:240 Resp: 164843

Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

236 25.3 20.3 30.5



#77

Benzdine

Concen: 2.807 ng

RT: 12.969 min Scan# 1849

Delta R.T. 0.241 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

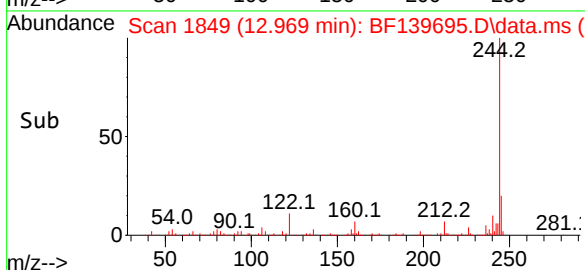
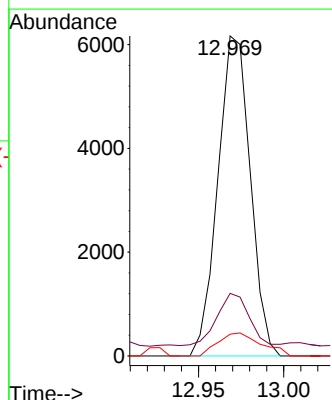
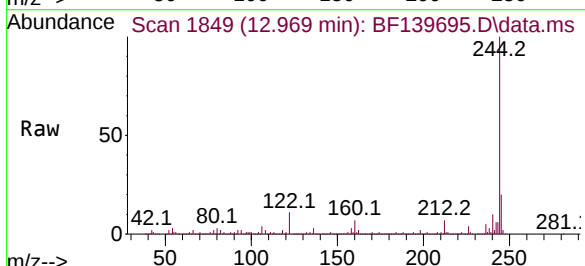
Tgt Ion:184 Resp: 8163

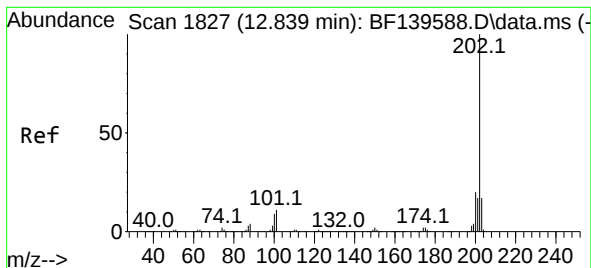
Ion Ratio Lower Upper

184 100

185 19.5 11.4 17.0#

183 6.8 8.8 13.2#





#78

Pyrene

Concen: 23.710 ng

RT: 12.827 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

Instrument :

BNA_F

ClientSampleId :

IB-2

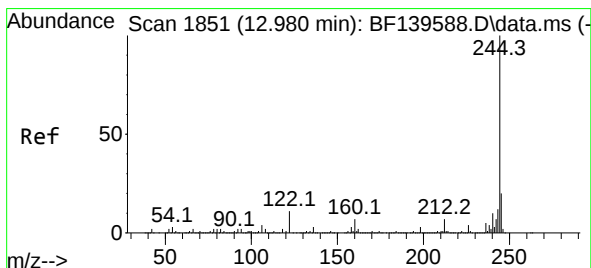
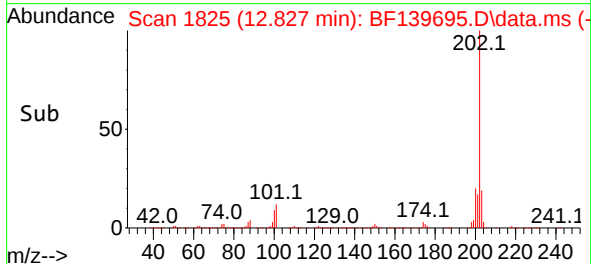
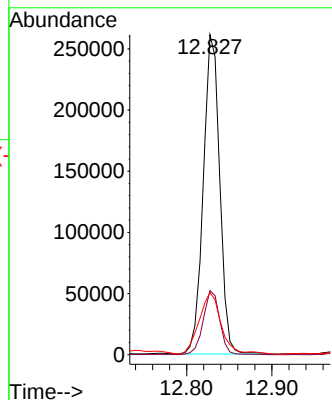
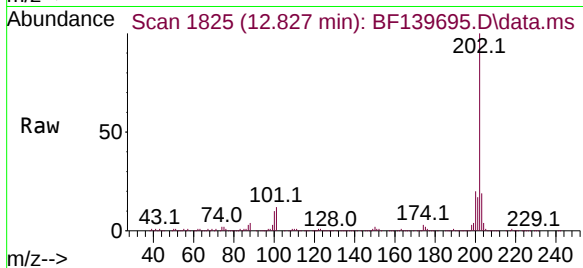
Tgt Ion:202 Resp: 349560

Ion Ratio Lower Upper

202 100

200 20.0 15.8 23.6

203 19.4 13.8 20.8



#79

Terphenyl-d14

Concen: 56.799 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

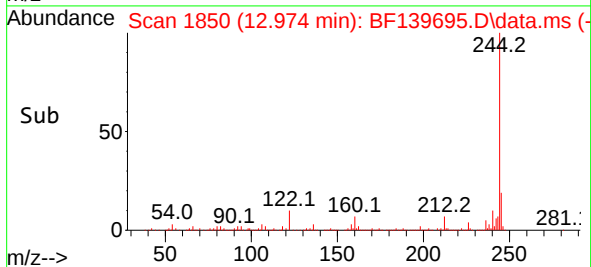
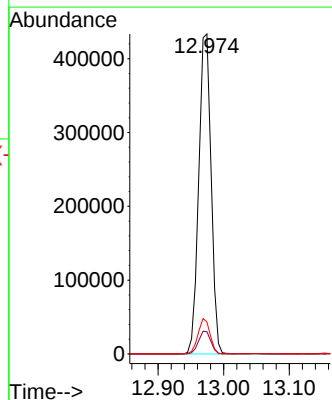
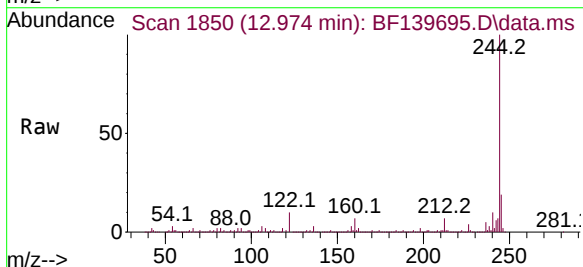
Tgt Ion:244 Resp: 570623

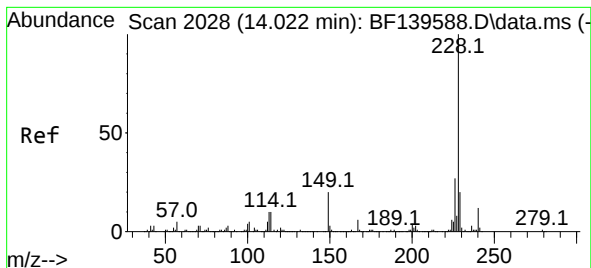
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 10.0 8.6 12.8





#81

Benzo(a)anthracene

Concen: 13.417 ng

RT: 14.015 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

Instrument :

BNA_F

ClientSampleId :

IB-2

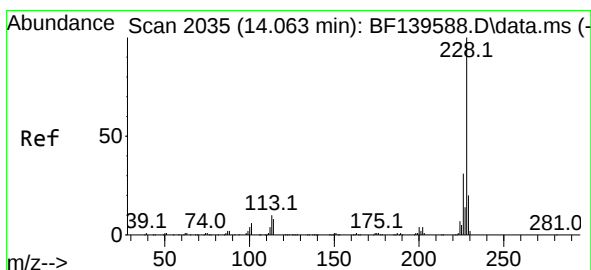
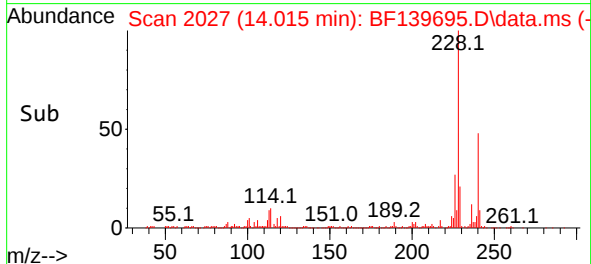
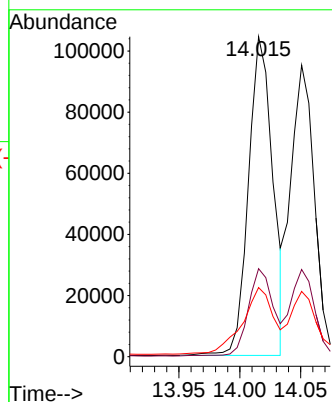
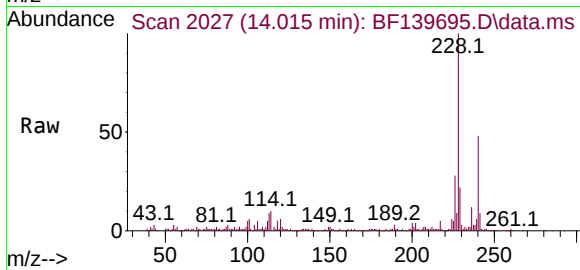
Tgt Ion:228 Resp: 145408

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

229 21.6 15.8 23.8



#83

Chrysene

Concen: 12.820 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

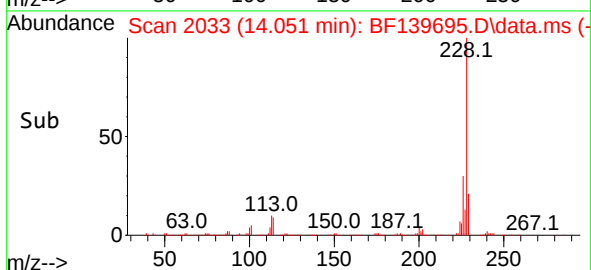
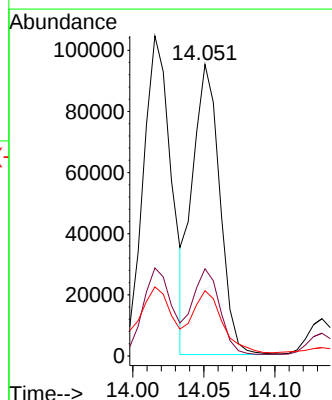
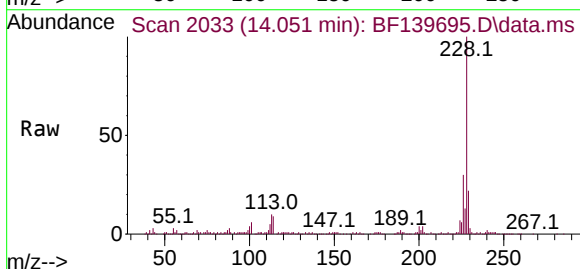
Tgt Ion:228 Resp: 127030

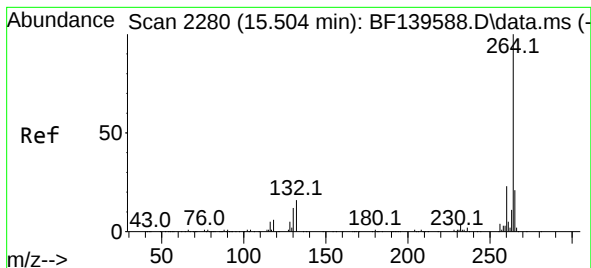
Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

229 22.4 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

Instrument :

BNA_F

ClientSampleId :

IB-2

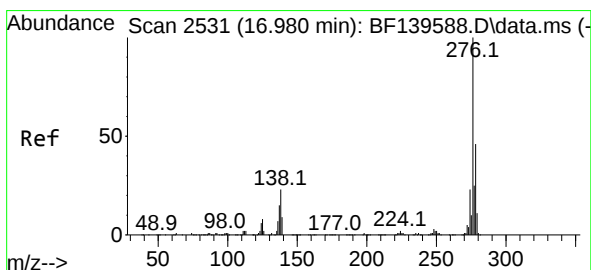
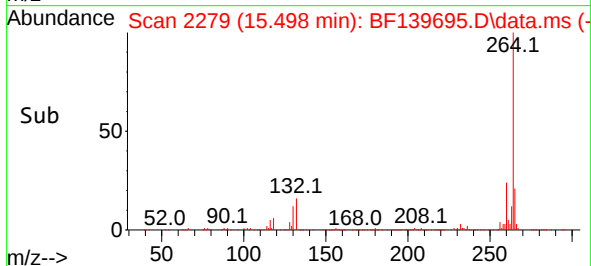
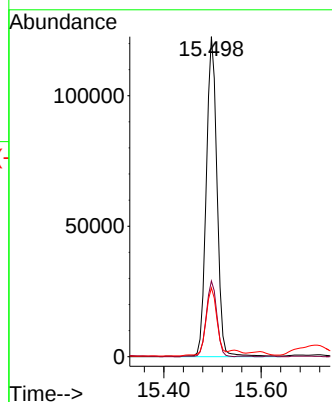
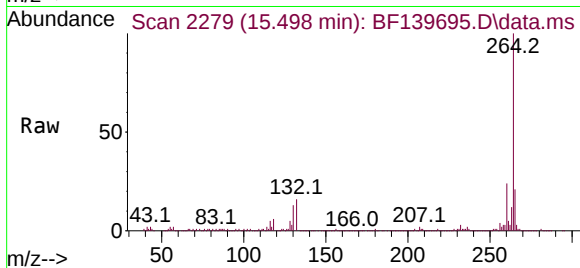
Tgt Ion:264 Resp: 187774

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 21.5 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.973 ng

RT: 16.962 min Scan# 2528

Delta R.T. -0.018 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

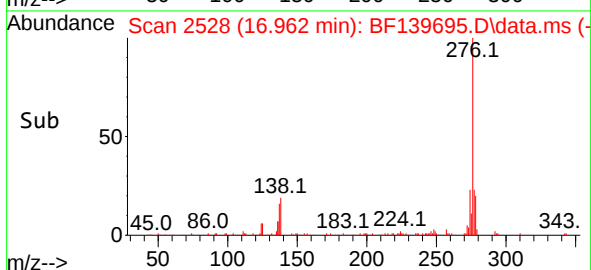
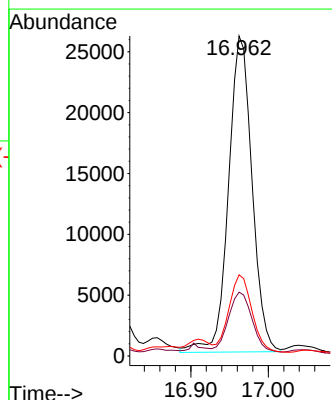
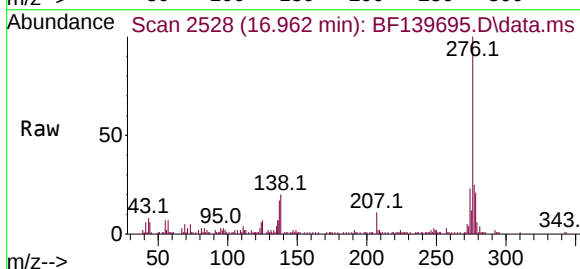
Tgt Ion:276 Resp: 54966

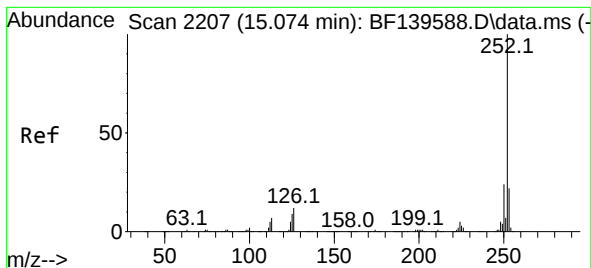
Ion Ratio Lower Upper

276 100

138 19.4 19.4 29.0

277 24.0 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 15.495 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

Instrument :

BNA_F

ClientSampleId :

IB-2

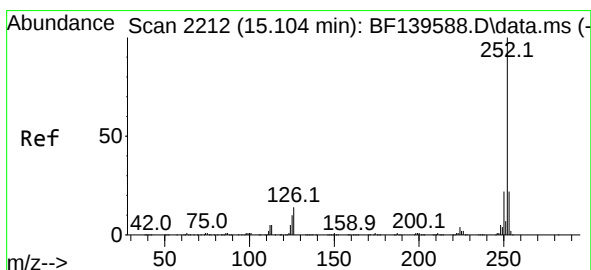
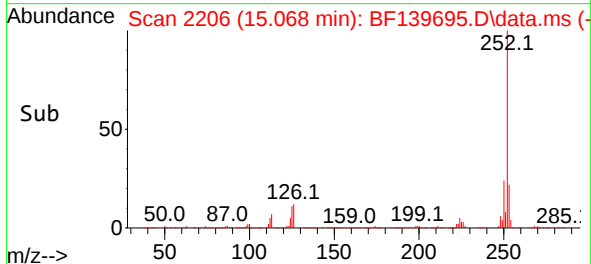
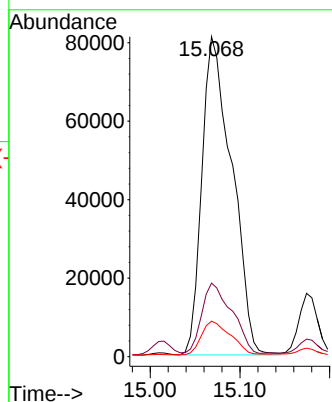
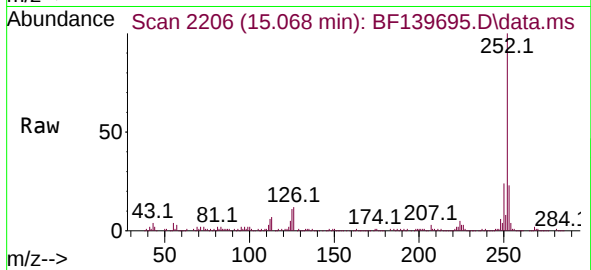
Tgt Ion:252 Resp: 188132

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 11.1 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 18.267 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.035 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

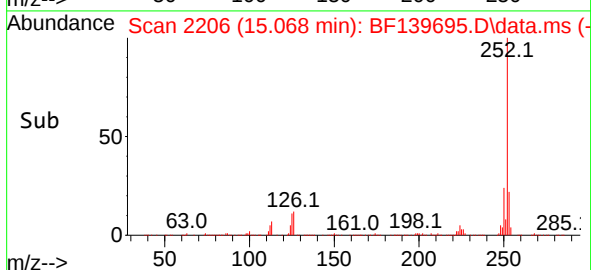
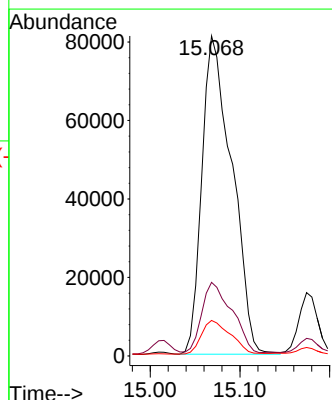
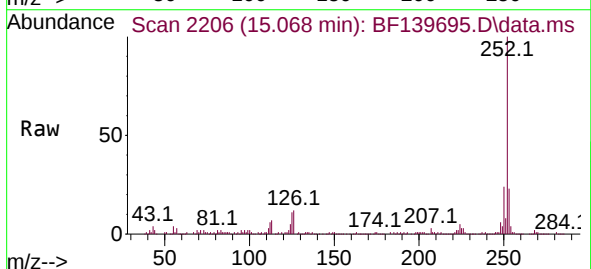
Tgt Ion:252 Resp: 188132

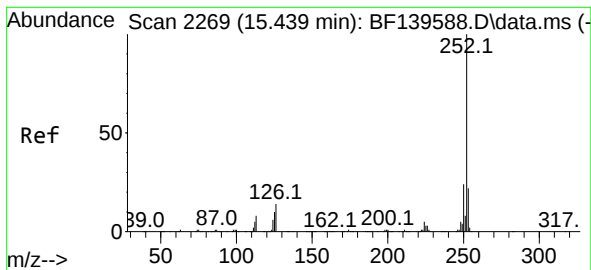
Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 11.1 7.6 11.4





#90

Benzo(a)pyrene

Concen: 11.514 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

Instrument :

BNA_F

ClientSampleId :

IB-2

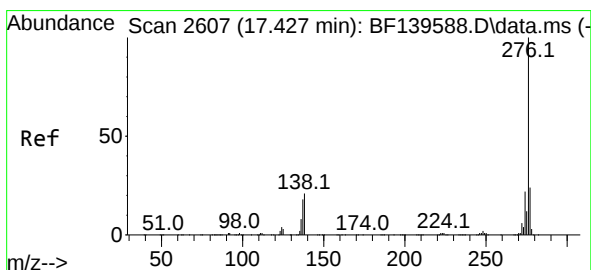
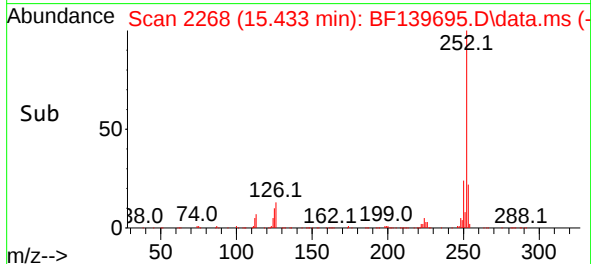
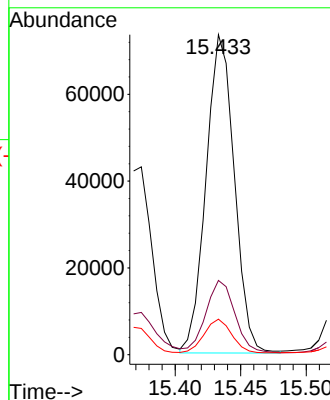
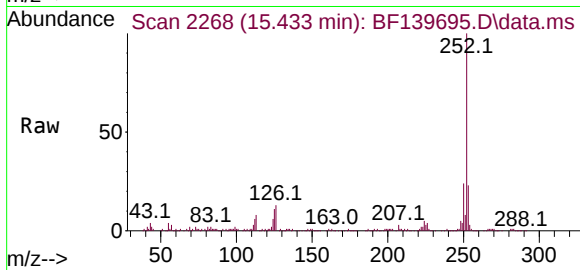
Tgt Ion:252 Resp: 110228

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 11.1 8.3 12.5



#92

Benzo(g,h,i)perylene

Concen: 4.986 ng

RT: 17.409 min Scan# 2604

Delta R.T. -0.018 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

Tgt Ion:276 Resp: 45834

Ion Ratio Lower Upper

276 100

277 25.7 19.0 28.6

138 22.0 17.0 25.6

