

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139770.D
 Acq On : 11 Oct 2024 12:54
 Operator : RC/JU
 Sample : P4364-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-0.167-0.667

Quant Time: Oct 11 13:22:42 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)

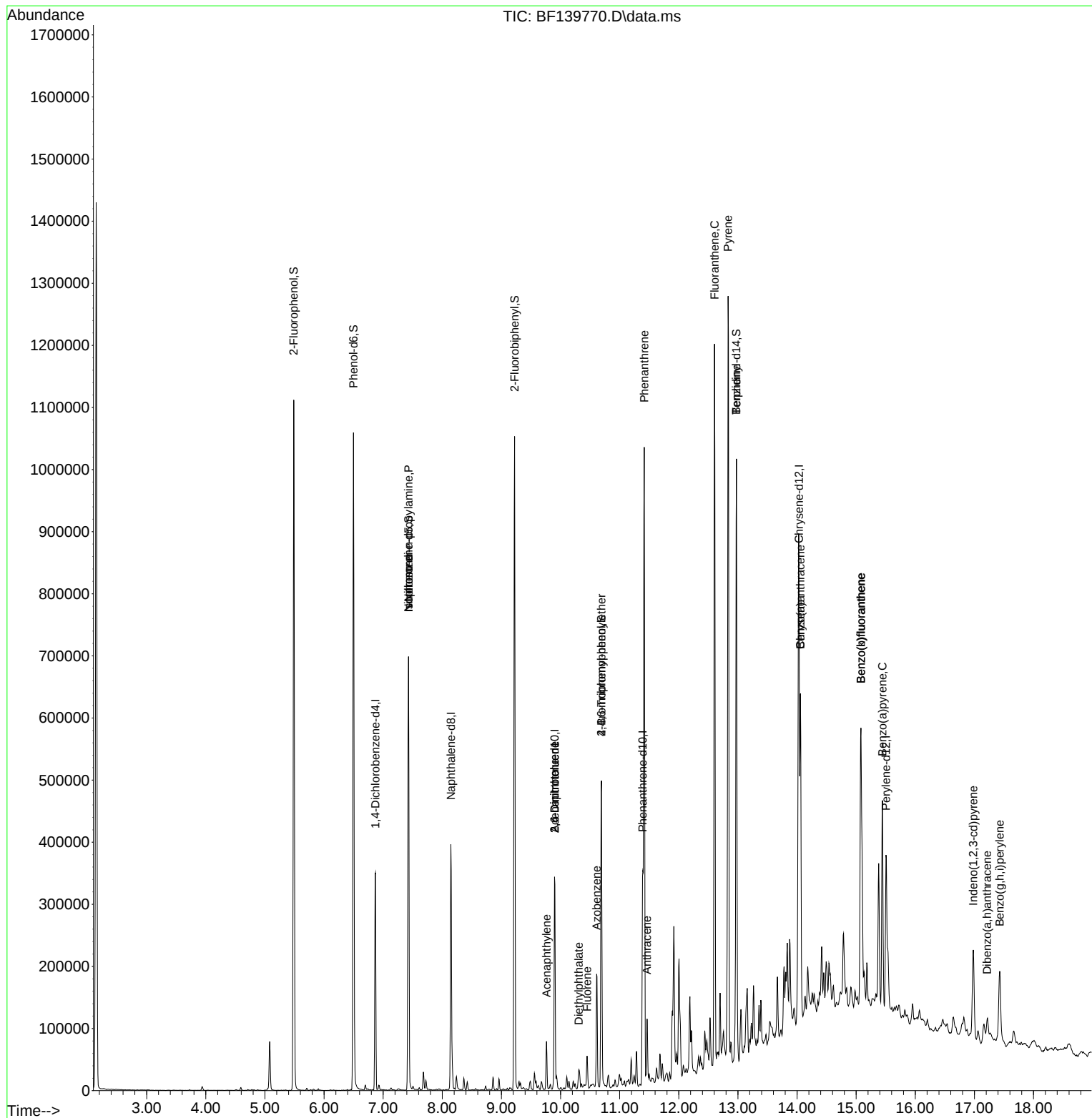
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	72835	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	237841	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	100407	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	181468	20.000	ng	0.00
76) Chrysene-d12	14.033	240	166224	20.000	ng	0.00
86) Perylene-d12	15.504	264	139389	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	385320	91.694	ng	0.00
7) Phenol-d6	6.498	99	469594	83.098	ng	0.00
23) Nitrobenzene-d5	7.428	82	288211	61.353	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	77364	79.817	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	457350	69.927	ng	0.00
79) Terphenyl-d14	12.974	244	456714	45.083	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	38339	10.553	ng	# 75
25) Isophorone	7.428	82	286241	34.307	ng	# 66
49) Acenaphthylene	9.763	152	43620	5.123	ng	100
51) 2,6-Dinitrotoluene	9.898	165	14076	9.480	ng	# 16
57) 2,4-Dinitrotoluene	9.898	165	14076	7.253	ng	# 16
58) Fluorene	10.451	166	22664	3.477	ng	98
60) Diethylphthalate	10.310	149	14468	2.131	ng	97
63) Azobenzene	10.610	77	46133	6.757	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	5099	2.741	ng	# 1
71) Phenanthrene	11.416	178	534735	62.496	ng	100
72) Anthracene	11.463	178	60275	7.121	ng	99
75) Fluoranthene	12.604	202	656249	70.162	ng	100
77) Benzidine	12.974	184	6085	2.075	ng	# 94
78) Pyrene	12.833	202	730577	49.141	ng	99
81) Benzo(a)anthracene	14.057	228	270038	24.709	ng	96
83) Chrysene	14.057	228	270038	27.027	ng	99
87) Indeno(1,2,3-cd)pyrene	16.980	276	101357	12.354	ng	95
88) Benzo(b)fluoranthene	15.080	252	381775	42.360	ng	# 97
89) Benzo(k)fluoranthene	15.080	252	381775	49.937	ng	97
90) Benzo(a)pyrene	15.445	252	188514	26.527	ng	99
91) Dibenzo(a,h)anthracene	17.215	278	13626	2.002	ng	92
92) Benzo(g,h,i)perylene	17.427	276	95633	14.013	ng	99

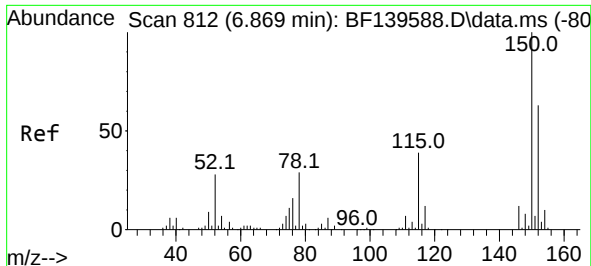
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
Data File : BF139770.D
Acq On : 11 Oct 2024 12:54
Operator : RC/JU
Sample : P4364-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-0.167-0.667

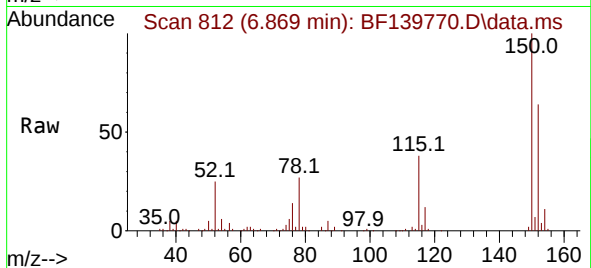
Quant Time: Oct 11 13:22:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration



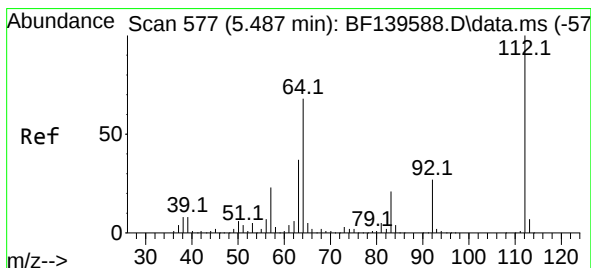
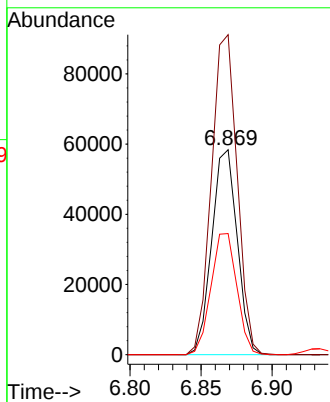
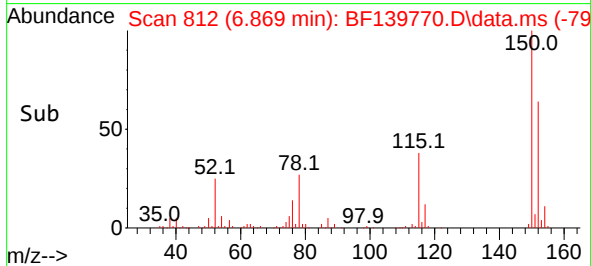


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

Instrument :
BNA_F
ClientSampleId :
SB-07-0.167-0.667

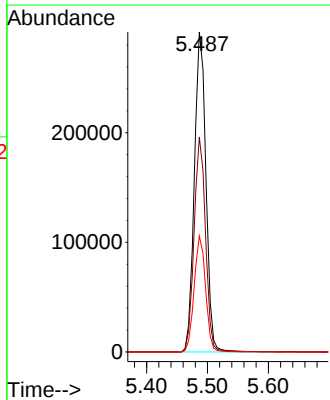
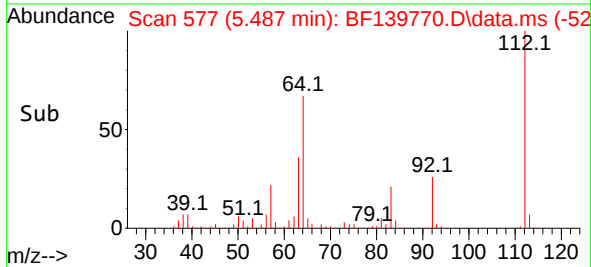
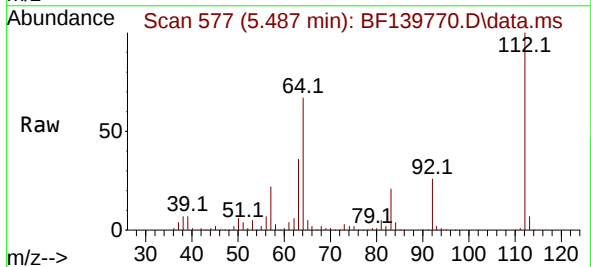


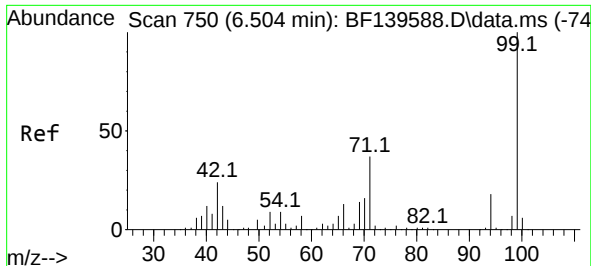
Tgt Ion:152 Resp: 72835
Ion Ratio Lower Upper
152 100
150 156.2 127.2 190.8
115 59.1 49.0 73.4



#5
2-Fluorophenol
Concen: 91.694 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

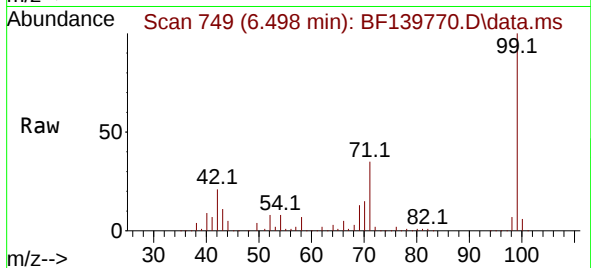
Tgt Ion:112 Resp: 385320
Ion Ratio Lower Upper
112 100
64 67.2 54.2 81.4
63 36.2 29.4 44.2





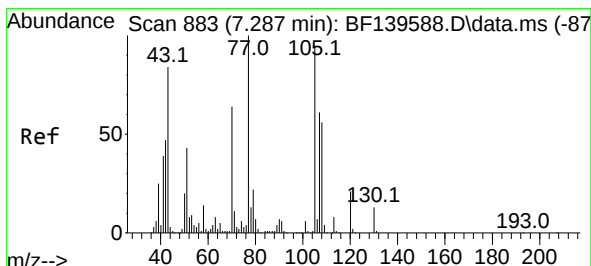
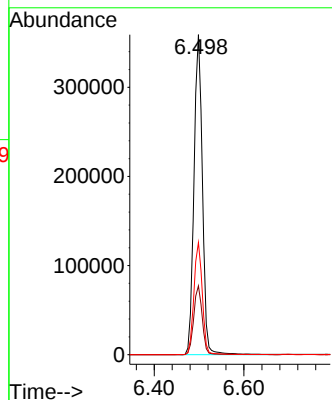
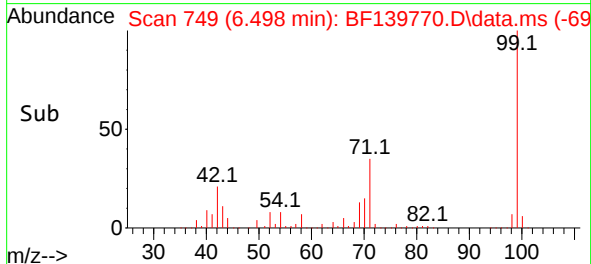
#7
Phenol-d6
Concen: 83.098 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

Instrument :
BNA_F
ClientSampleId :
SB-07-0.167-0.667

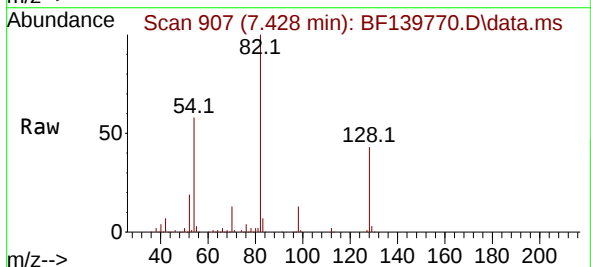


Tgt Ion: 99 Resp: 469594

Ion	Ratio	Lower	Upper
99	100		
42	21.5	19.1	28.7
71	35.1	29.7	44.5

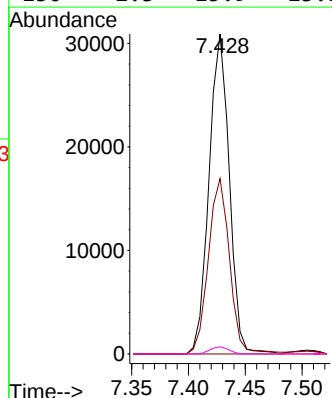
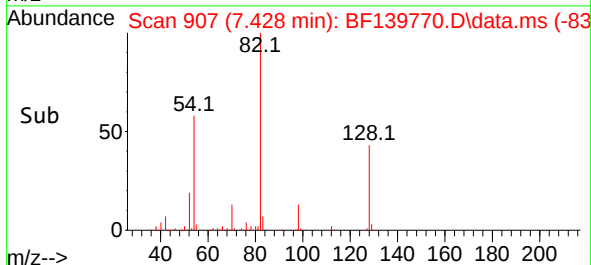


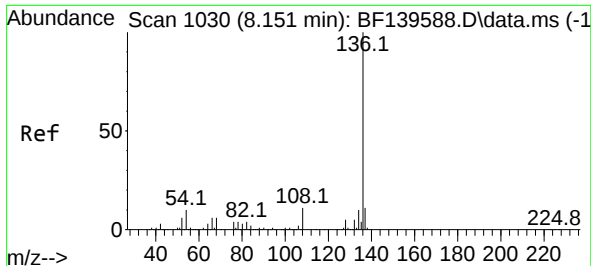
#19
n-Nitroso-di-n-propylamine
Concen: 10.553 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54



Tgt Ion: 70 Resp: 38339

Ion	Ratio	Lower	Upper
70	100		
42	54.8	58.0	87.0#
101	0.0	7.8	11.8#
130	2.3	15.9	23.9#

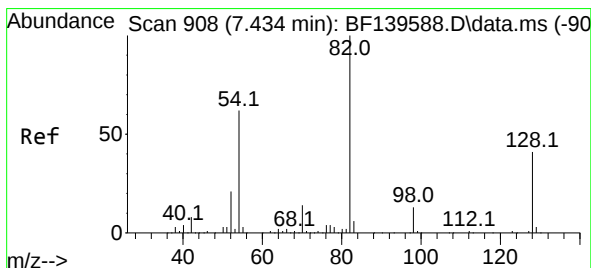
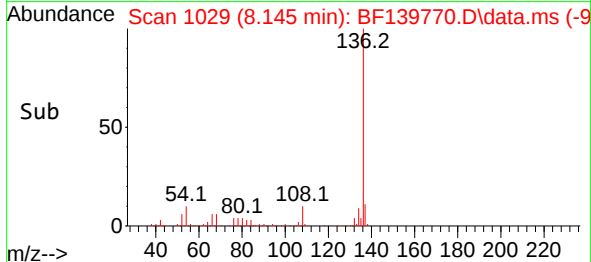
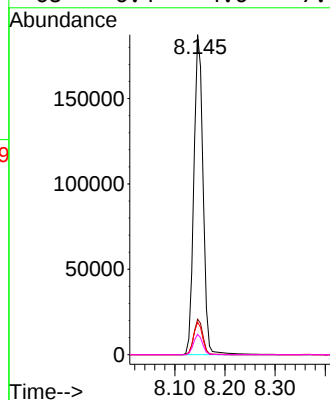
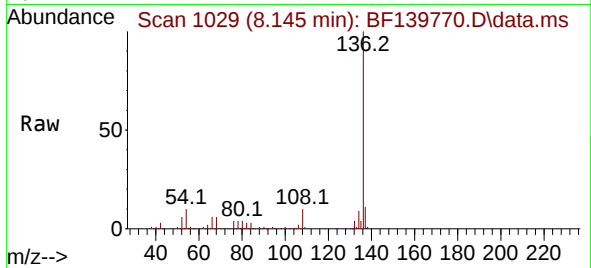




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

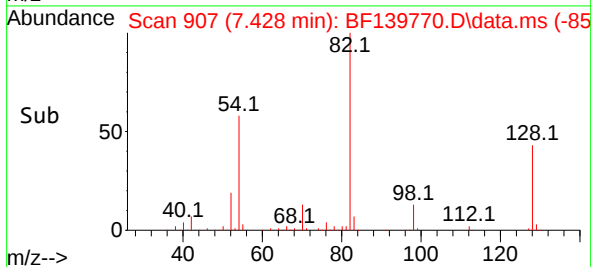
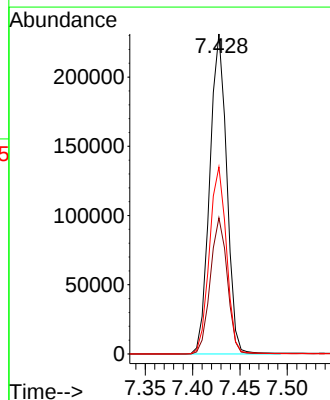
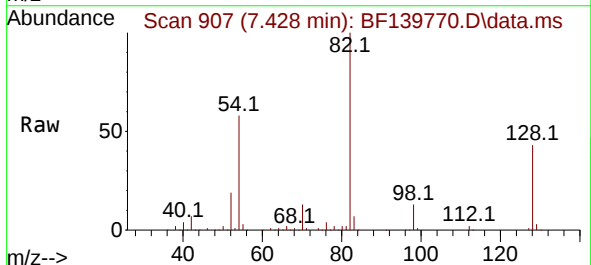
Instrument :
BNA_F
ClientSampleId :
SB-07-0.167-0.667

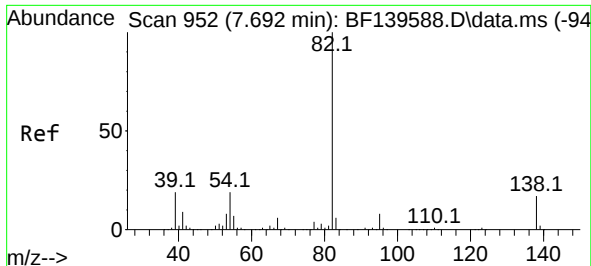
Tgt Ion:136	Resp: 237841
Ion Ratio	Lower Upper
136 100	
137 11.1	8.6 13.0
54 10.1	8.3 12.5
68 6.4	4.6 7.0



#23
Nitrobenzene-d5
Concen: 61.353 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

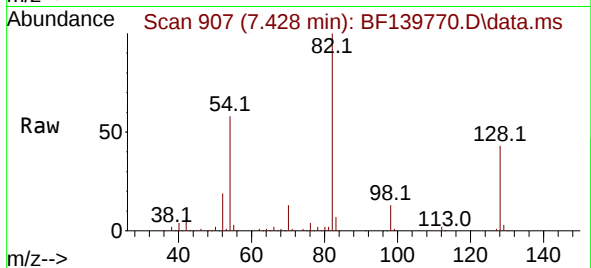
Tgt Ion: 82	Resp: 288211
Ion Ratio	Lower Upper
82 100	
128 42.5	32.4 48.6
54 58.5	49.1 73.7



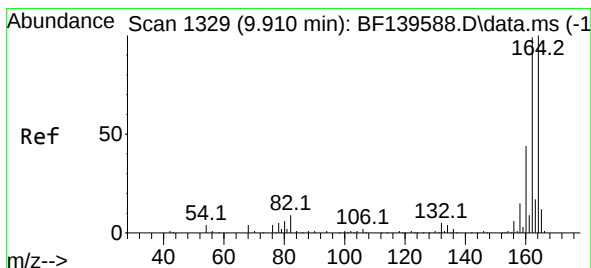
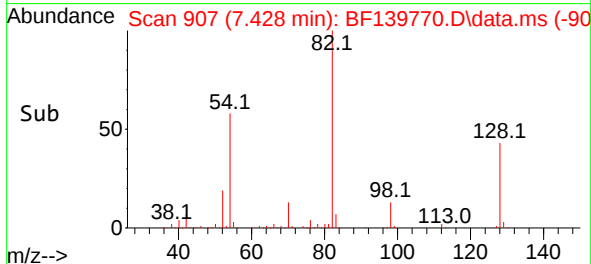
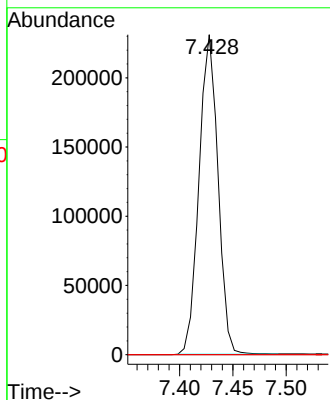


#25
Isophorone
Concen: 34.307 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

Instrument :
BNA_F
ClientSampleId :
SB-07-0.167-0.667

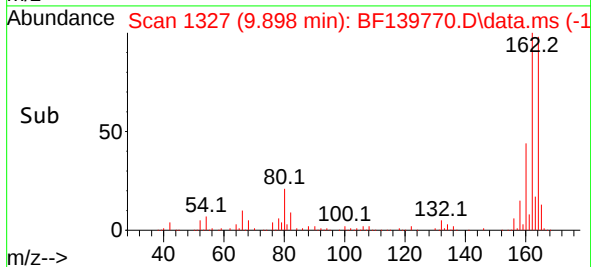
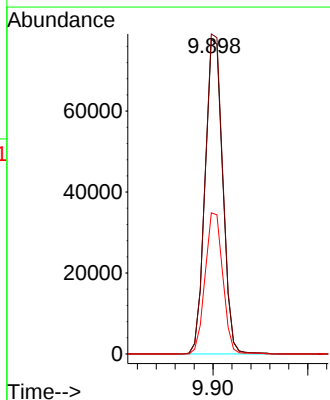
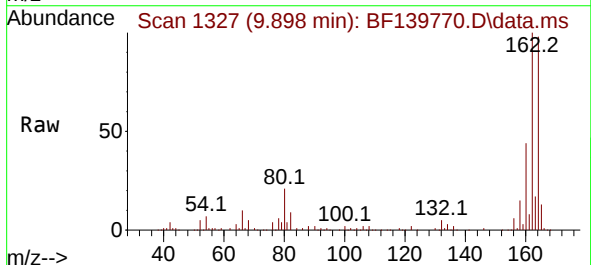


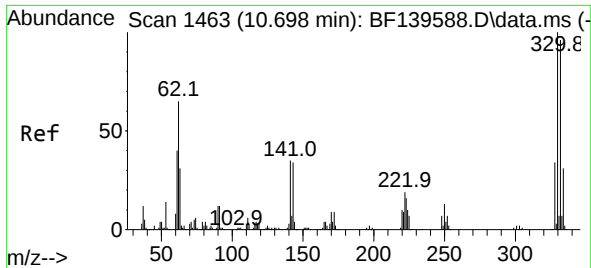
Tgt Ion: 82 Resp: 286241
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

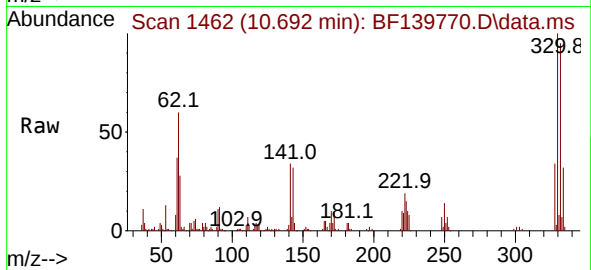
Tgt Ion:164 Resp: 100407
Ion Ratio Lower Upper
164 100
162 101.6 79.4 119.0
160 44.8 35.1 52.7



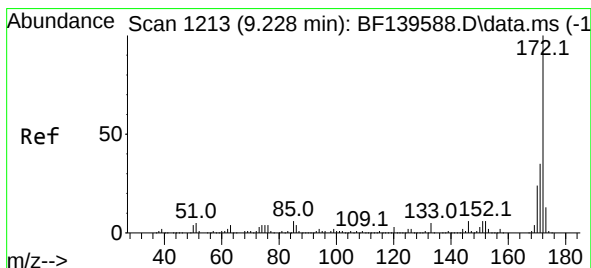
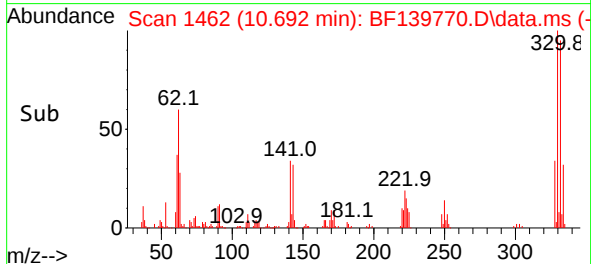
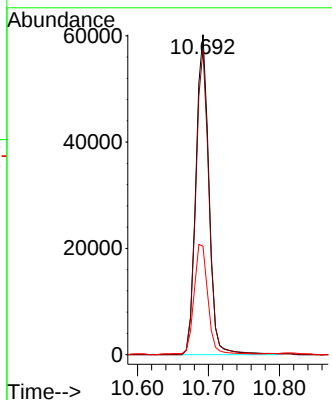


#42
2,4,6-Tribromophenol
Concen: 79.817 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

Instrument :
BNA_F
ClientSampleId :
SB-07-0.167-0.667

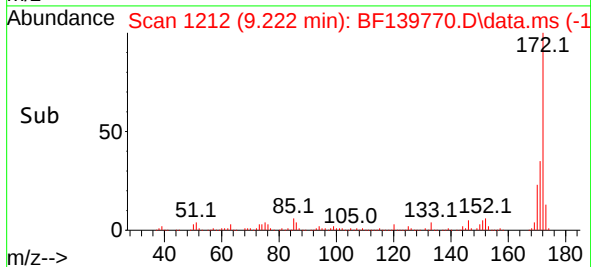
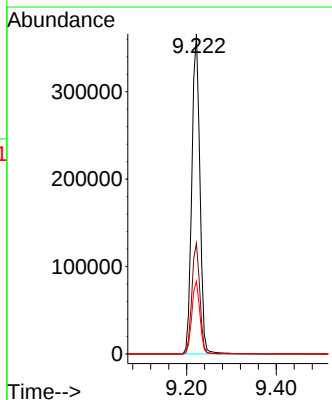
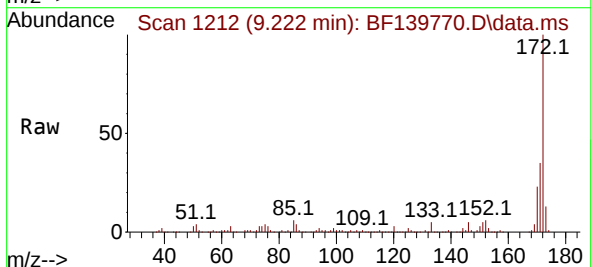


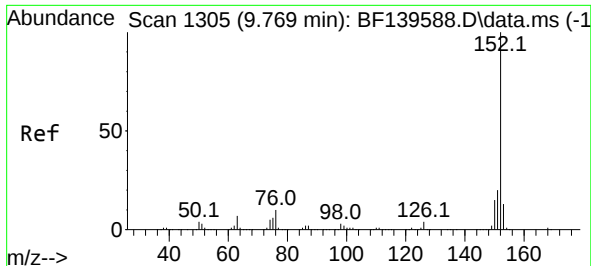
Tgt Ion: 330 Resp: 77364
Ion Ratio Lower Upper
330 100
332 95.1 76.5 114.7
141 37.3 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 69.927 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

Tgt Ion: 172 Resp: 457350
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.4
170 22.7 18.8 28.2





#49

Acenaphthylene

Concen: 5.123 ng

RT: 9.763 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139770.D

Acq: 11 Oct 2024 12:54

Instrument :

BNA_F

ClientSampleId :

SB-07-0.167-0.667

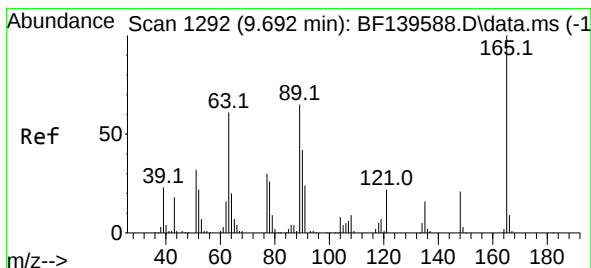
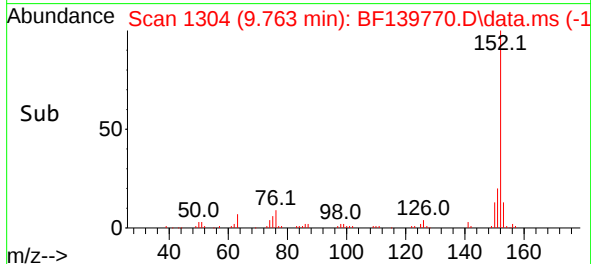
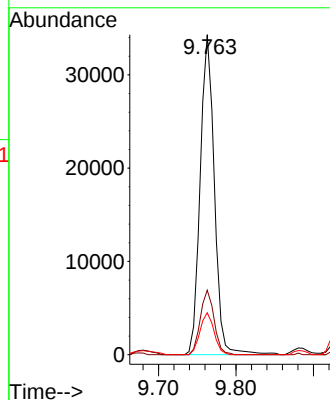
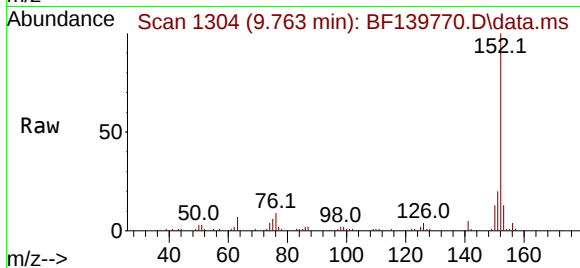
Tgt Ion:152 Resp: 43620

Ion Ratio Lower Upper

152 100

151 20.2 16.0 24.0

153 13.1 10.5 15.7



#51

2,6-Dinitrotoluene

Concen: 9.480 ng

RT: 9.898 min Scan# 1327

Delta R.T. 0.206 min

Lab File: BF139770.D

Acq: 11 Oct 2024 12:54

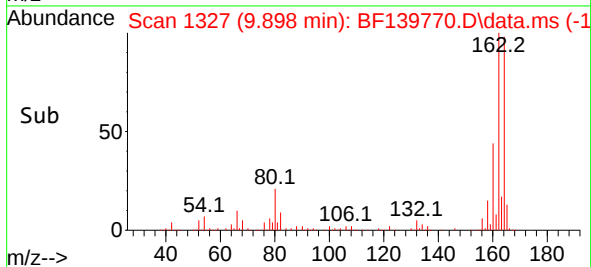
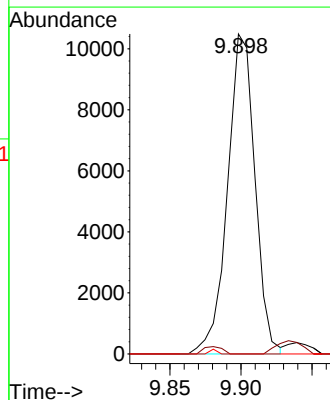
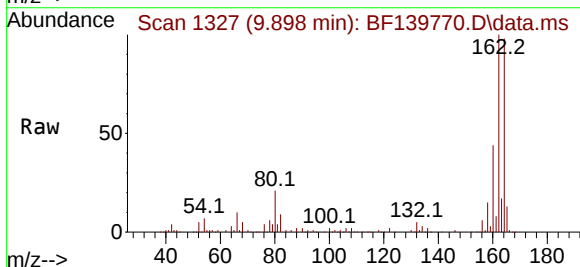
Tgt Ion:165 Resp: 14076

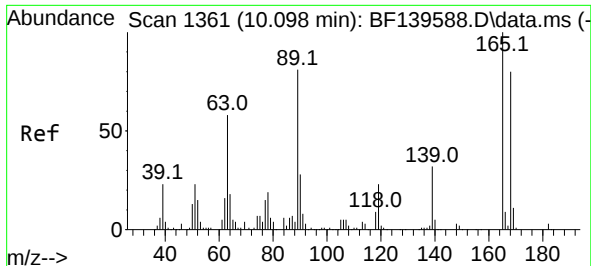
Ion Ratio Lower Upper

165 100

63 0.0 56.7 85.1#

89 0.0 51.6 77.4#

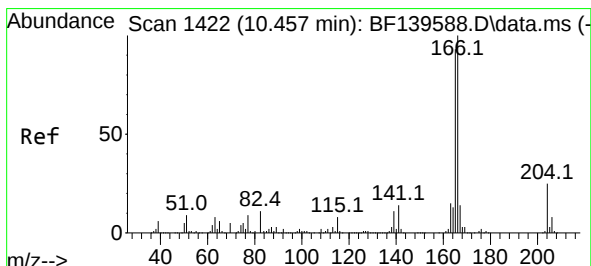
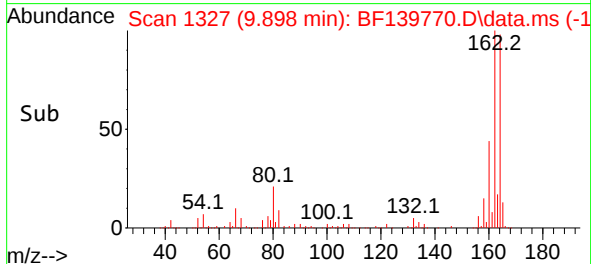
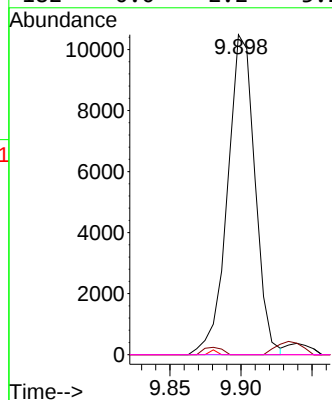
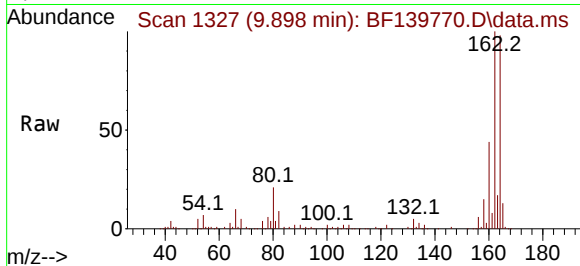




#57
2,4-Dinitrotoluene
Concen: 7.253 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

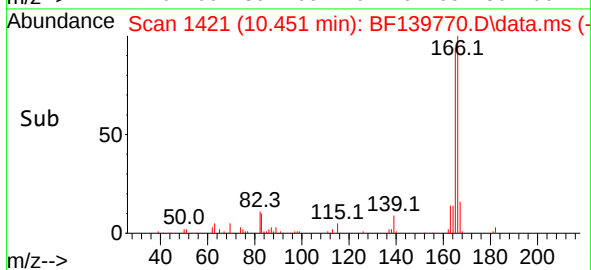
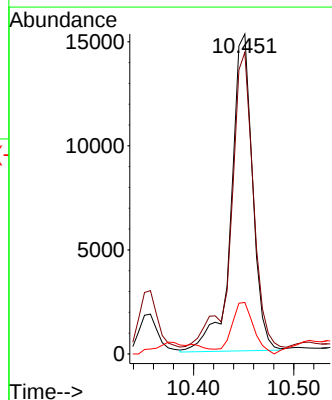
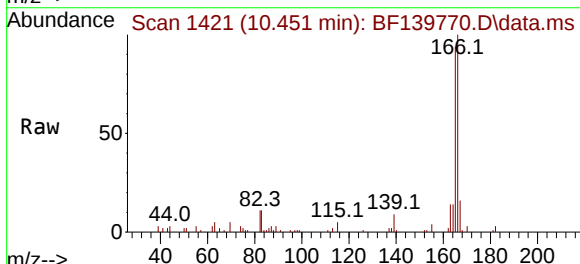
Instrument :
BNA_F
ClientSampleId :
SB-07-0.167-0.667

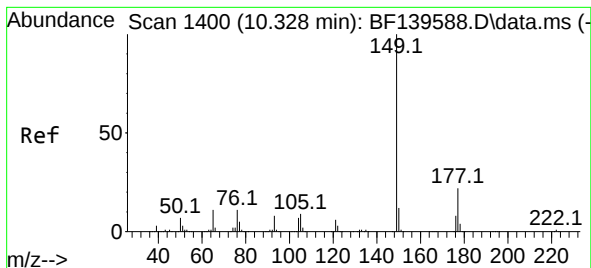
Tgt Ion:165 Resp: 14076
Ion Ratio Lower Upper
165 100
63 0.0 46.9 70.3#
89 0.0 64.4 96.6#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 3.477 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

Tgt Ion:166 Resp: 22664
Ion Ratio Lower Upper
166 100
165 94.2 74.4 111.6
167 16.1 10.9 16.3

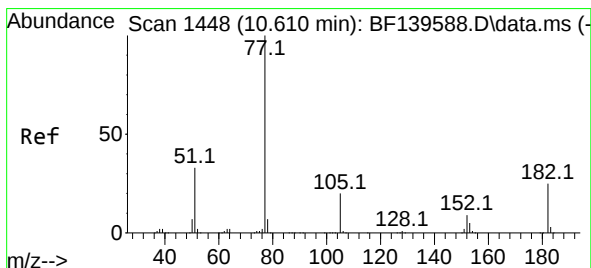
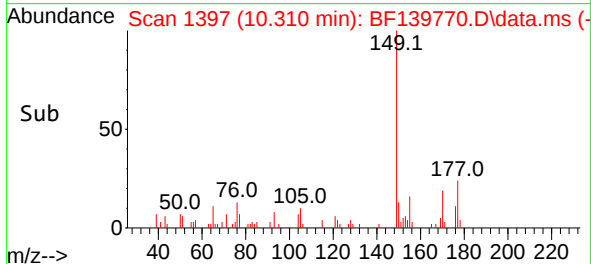
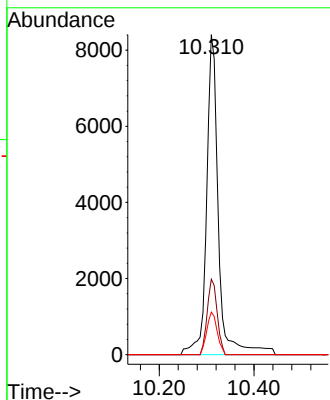
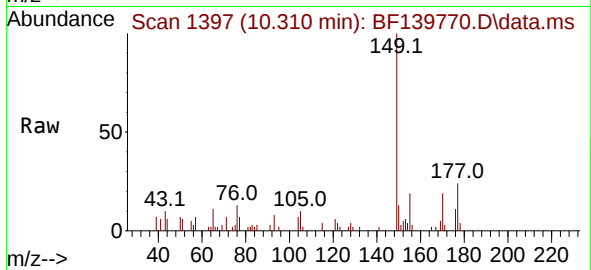




#60
Diethylphthalate
Concen: 2.131 ng
RT: 10.310 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

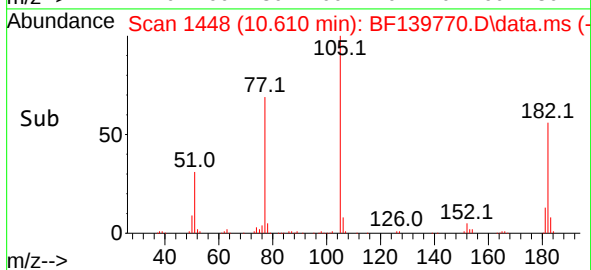
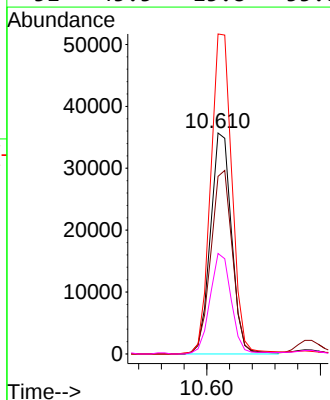
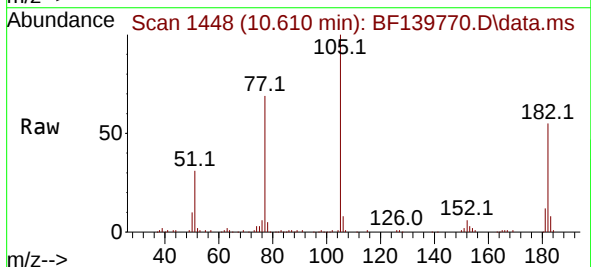
Instrument :
BNA_F
ClientSampleId :
SB-07-0.167-0.667

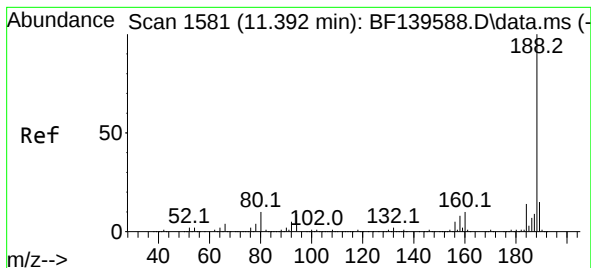
Tgt Ion:149 Resp: 14468
Ion Ratio Lower Upper
149 100
177 23.6 17.4 26.0
150 13.3 10.0 15.0



#63
Azobenzene
Concen: 6.757 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

Tgt Ion: 77 Resp: 46133
Ion Ratio Lower Upper
77 100
182 80.4 4.2 44.2#
105 144.9 0.0 39.6#
51 45.5 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: BF139770.D

Acq: 11 Oct 2024 12:54

Instrument :

BNA_F

ClientSampleId :

SB-07-0.167-0.667

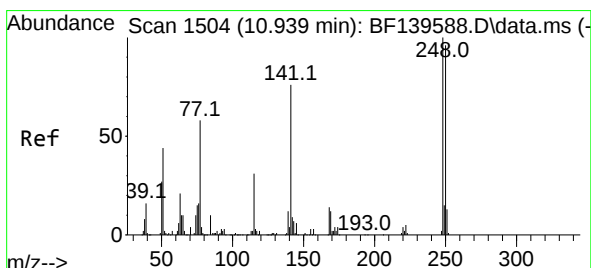
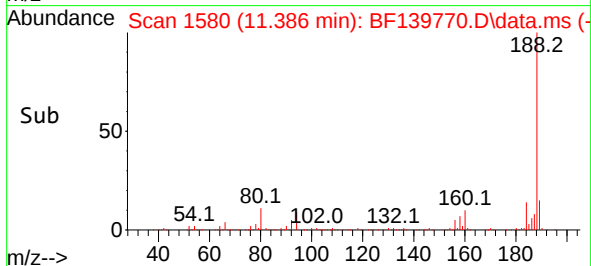
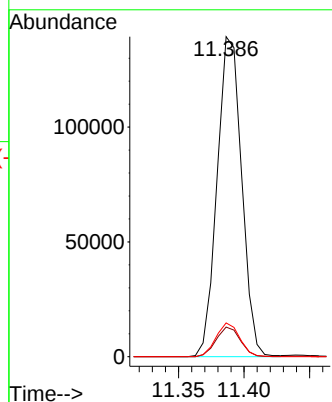
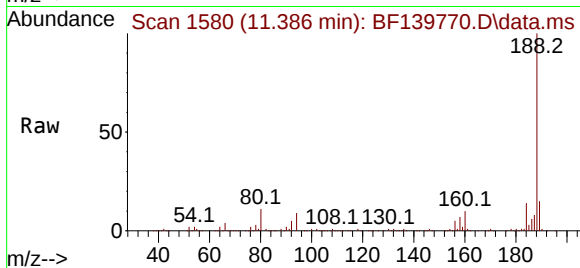
Tgt Ion:188 Resp: 181468

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

80 10.5 8.2 12.2



#67

4-Bromophenyl-phenylether

Concen: 2.741 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.247 min

Lab File: BF139770.D

Acq: 11 Oct 2024 12:54

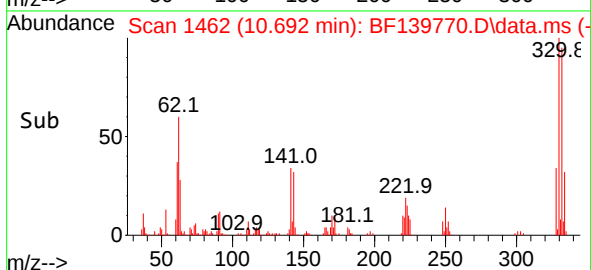
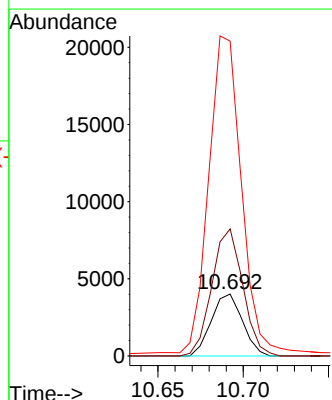
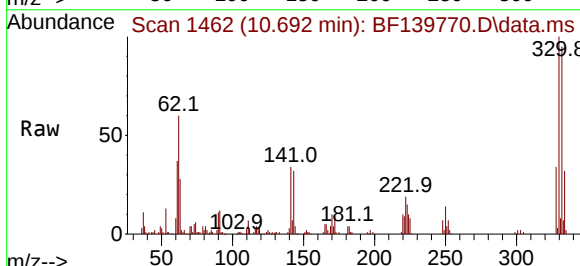
Tgt Ion:248 Resp: 5099

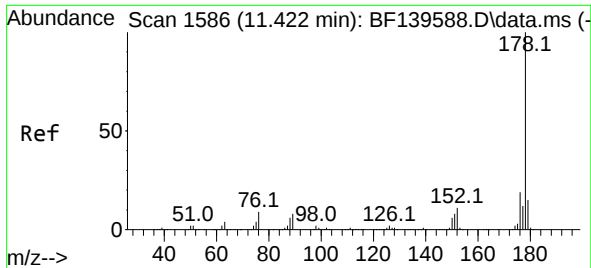
Ion Ratio Lower Upper

248 100

250 205.1 77.1 115.7#

141 508.5 60.4 90.6#

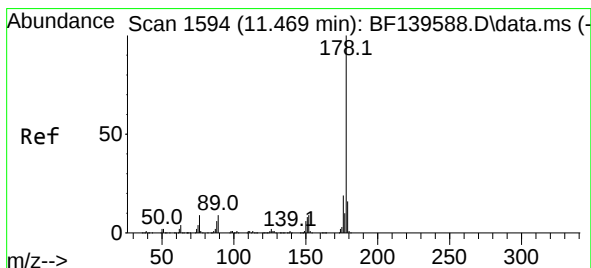
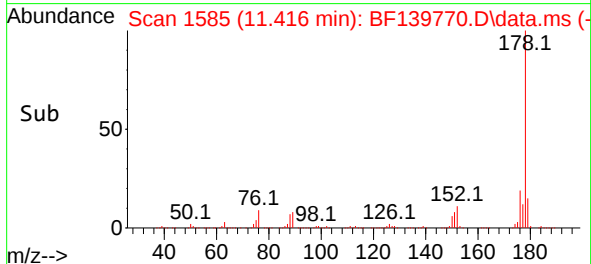
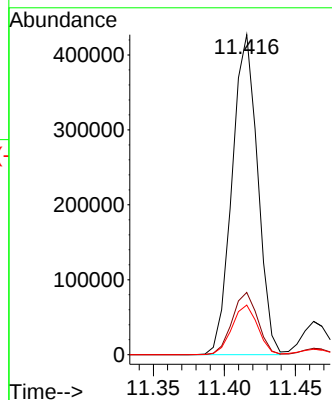
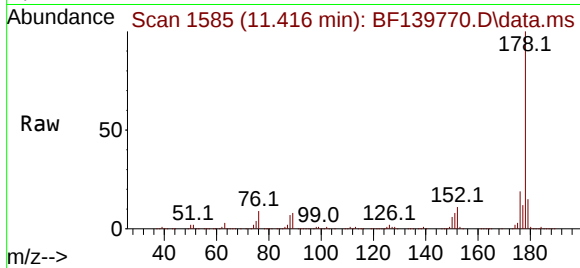




#71
Phenanthrene
Concen: 62.496 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

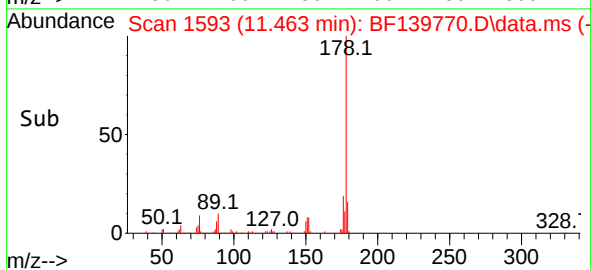
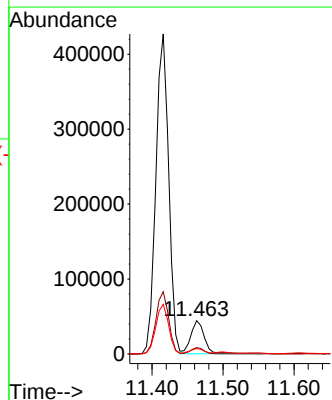
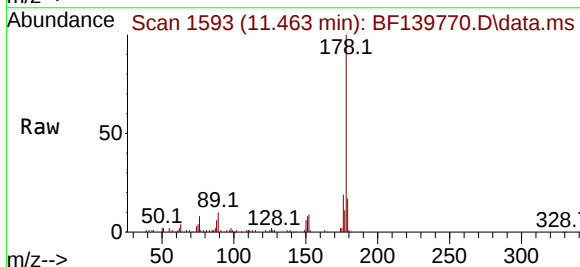
Instrument :
BNA_F
ClientSampleId :
SB-07-0.167-0.667

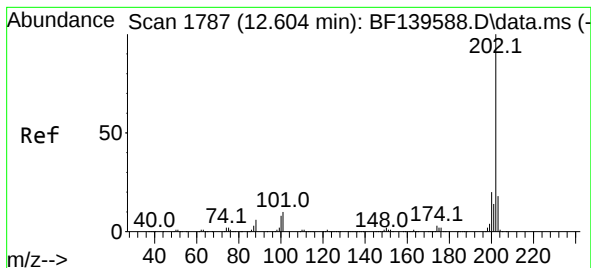
Tgt Ion:178 Resp: 534735
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.5 12.3 18.5



#72
Anthracene
Concen: 7.121 ng
RT: 11.463 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

Tgt Ion:178 Resp: 60275
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 16.5 12.5 18.7





#75

Fluoranthene

Concen: 70.162 ng

RT: 12.604 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139770.D

Acq: 11 Oct 2024 12:54

Instrument :

BNA_F

ClientSampleId :

SB-07-0.167-0.667

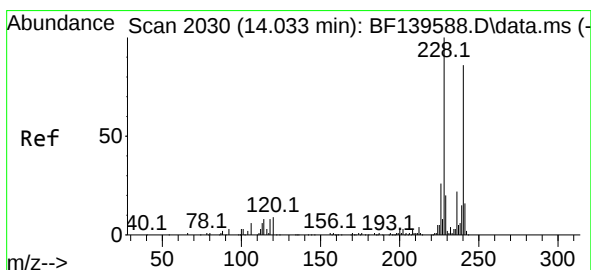
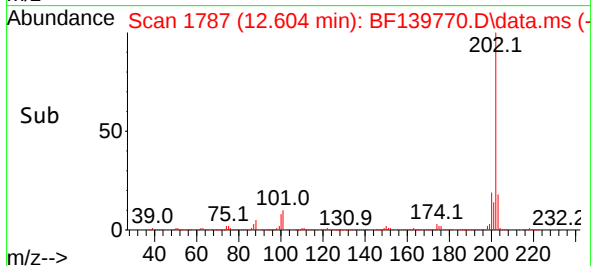
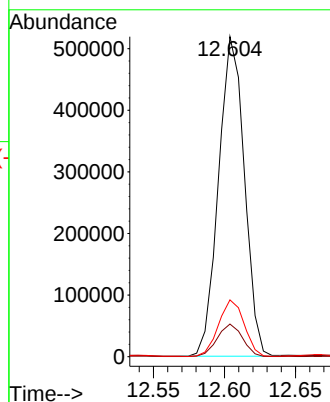
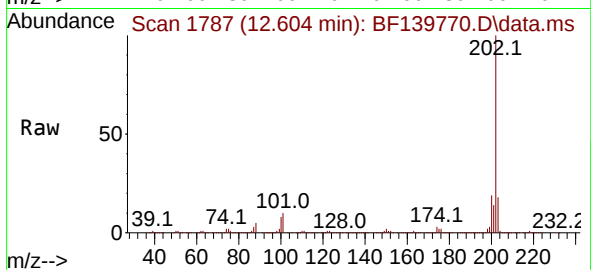
Tgt Ion:202 Resp: 656249

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.2

203 17.8 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139770.D

Acq: 11 Oct 2024 12:54

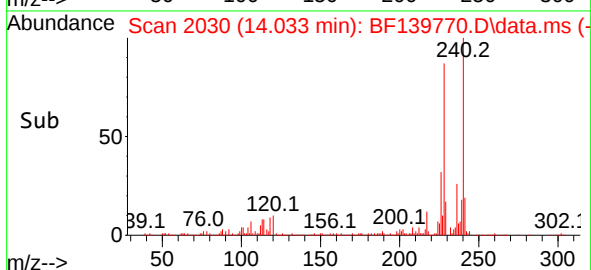
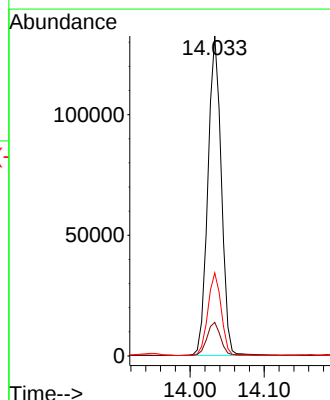
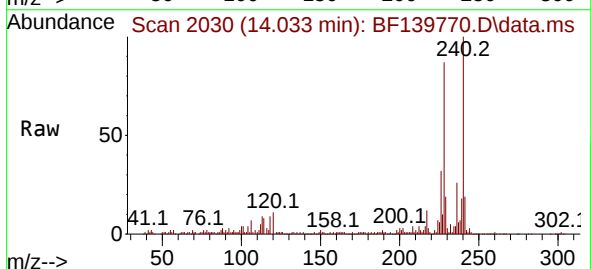
Tgt Ion:240 Resp: 166224

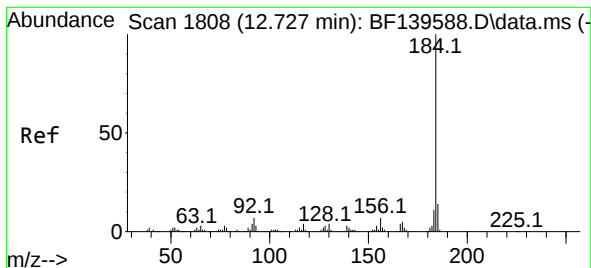
Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

236 26.0 20.3 30.5





#77

Benzidine

Concen: 2.075 ng

RT: 12.974 min Scan# 1850

Delta R.T. 0.247 min

Lab File: BF139770.D

Acq: 11 Oct 2024 12:54

Instrument :

BNA_F

ClientSampleId :

SB-07-0.167-0.667

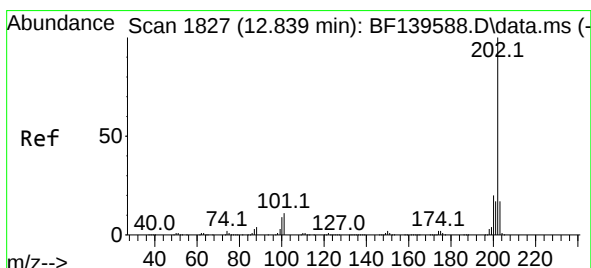
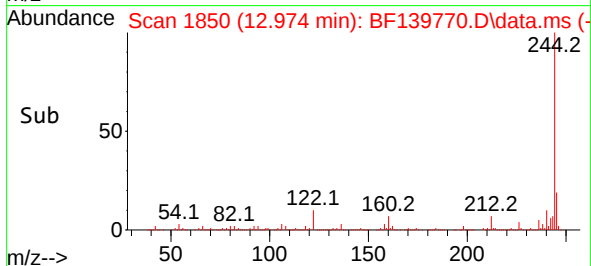
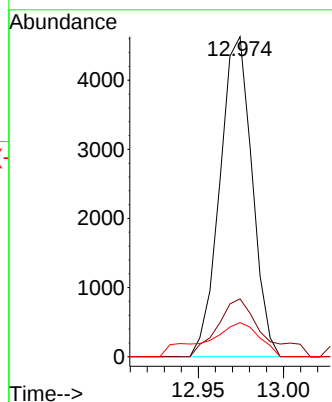
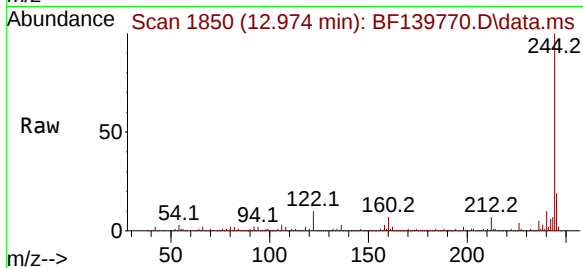
Tgt Ion:184 Resp: 6085

Ion Ratio Lower Upper

184 100

185 18.1 11.4 17.0#

183 10.6 8.8 13.2



#78

Pyrene

Concen: 49.141 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF139770.D

Acq: 11 Oct 2024 12:54

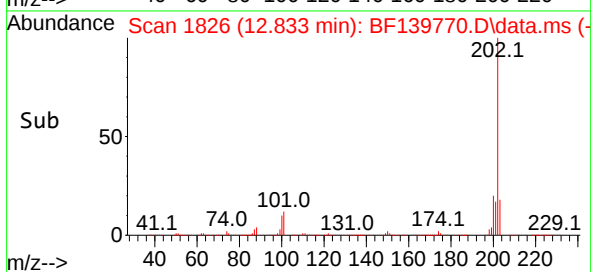
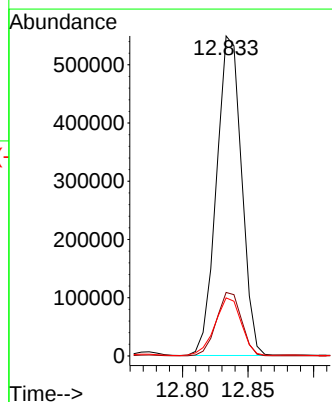
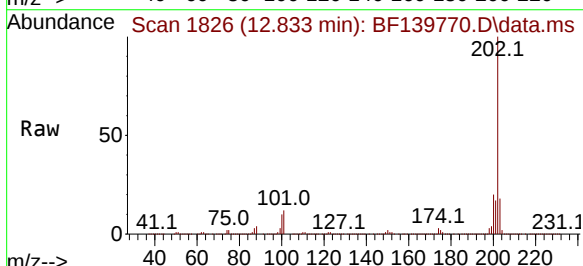
Tgt Ion:202 Resp: 730577

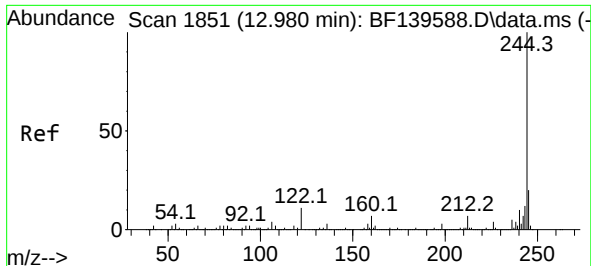
Ion Ratio Lower Upper

202 100

200 19.9 15.8 23.6

203 18.1 13.8 20.8

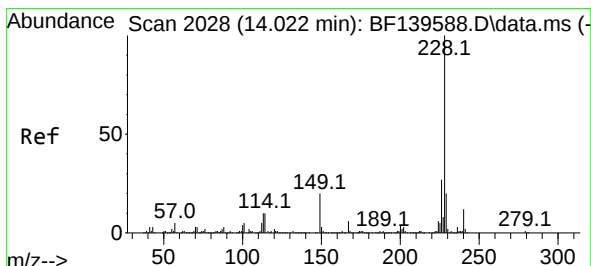
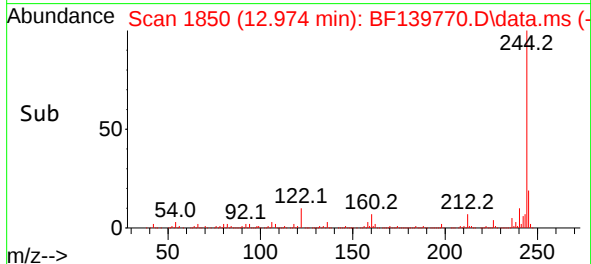
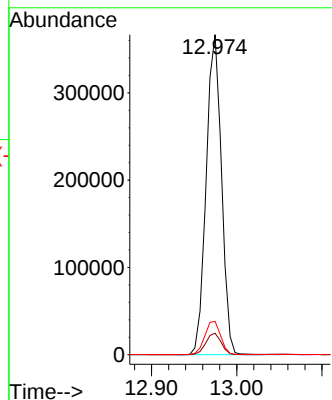
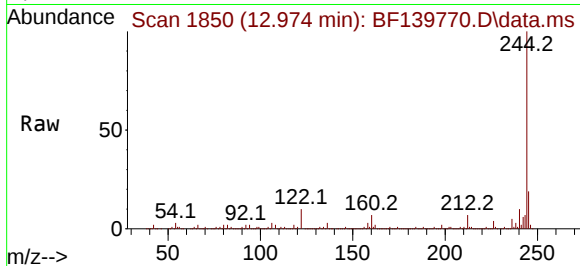




#79
 Terphenyl-d14
 Concen: 45.083 ng
 RT: 12.974 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF139770.D
 Acq: 11 Oct 2024 12:54

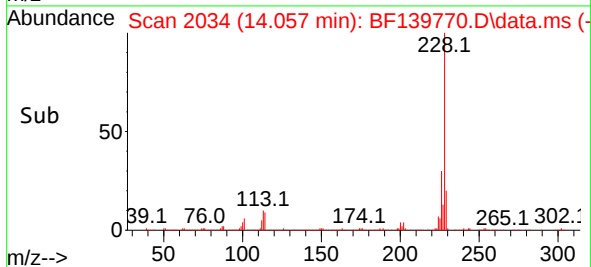
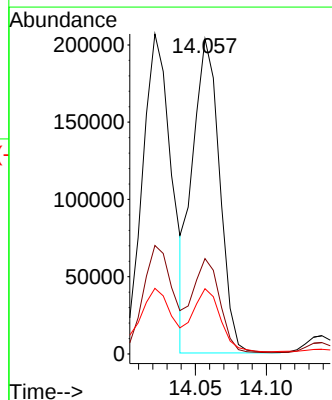
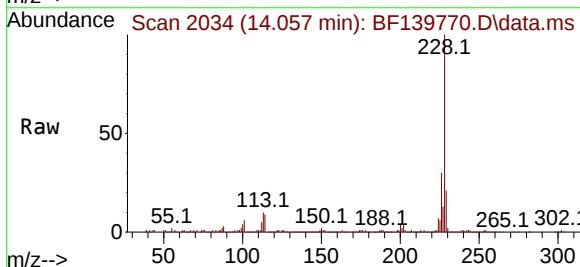
Instrument :
 BNA_F
 ClientSampleId :
 SB-07-0.167-0.667

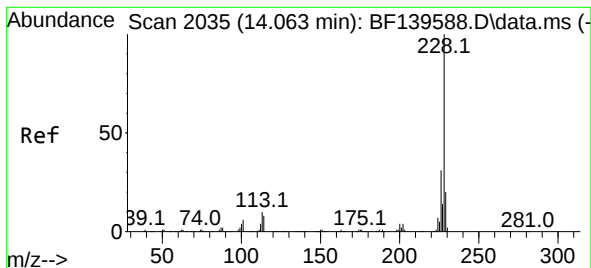
Tgt Ion:244 Resp: 456714
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 10.4 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 24.709 ng
 RT: 14.057 min Scan# 2034
 Delta R.T. 0.035 min
 Lab File: BF139770.D
 Acq: 11 Oct 2024 12:54

Tgt Ion:228 Resp: 270038
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.8 32.8
 229 20.7 15.8 23.8





#83

Chrysene

Concen: 27.027 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF139770.D

Acq: 11 Oct 2024 12:54

Instrument :

BNA_F

ClientSampleId :

SB-07-0.167-0.667

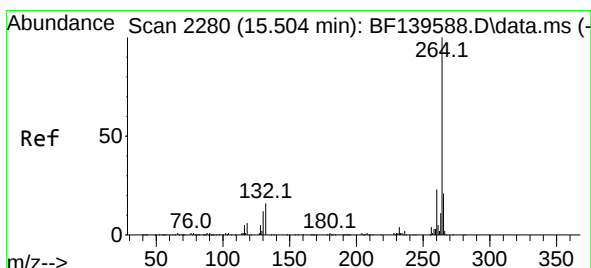
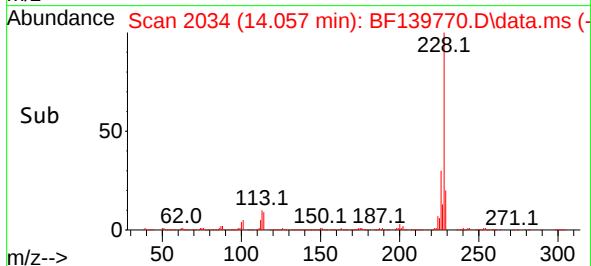
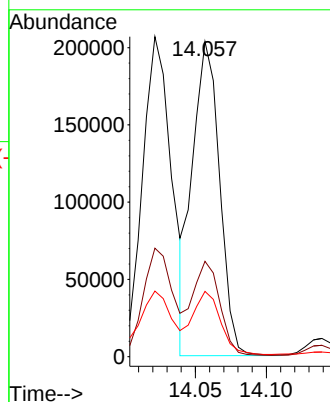
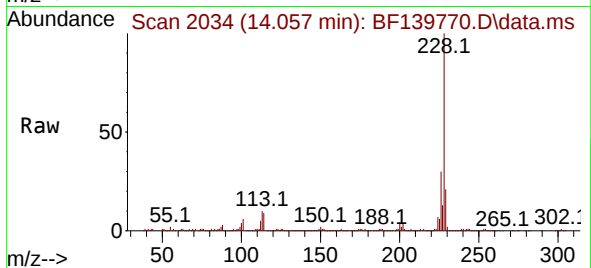
Tgt Ion:228 Resp: 270038

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

229 20.7 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.000 min

Lab File: BF139770.D

Acq: 11 Oct 2024 12:54

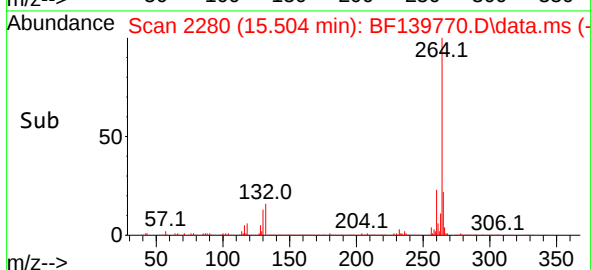
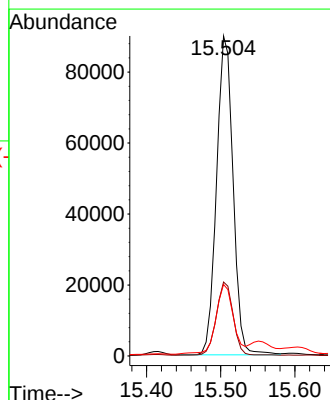
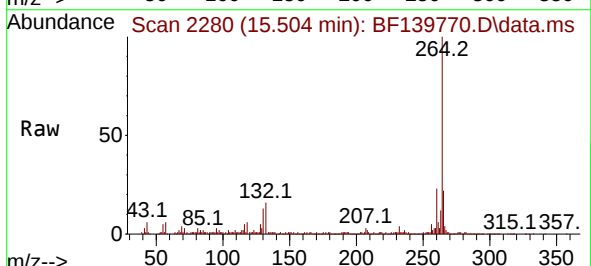
Tgt Ion:264 Resp: 139389

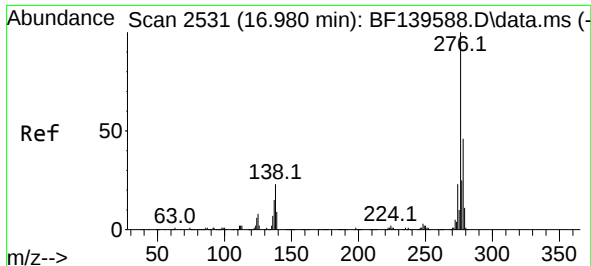
Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 22.4 16.9 25.3

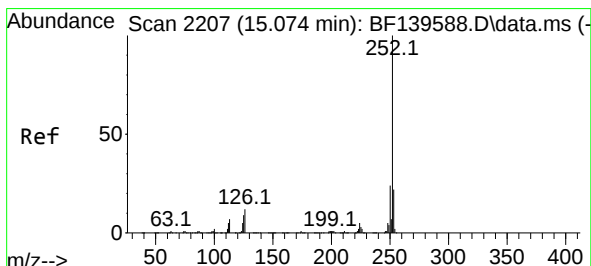
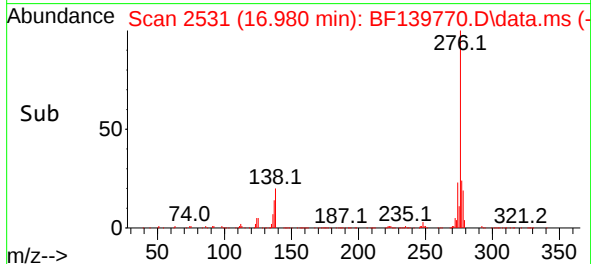
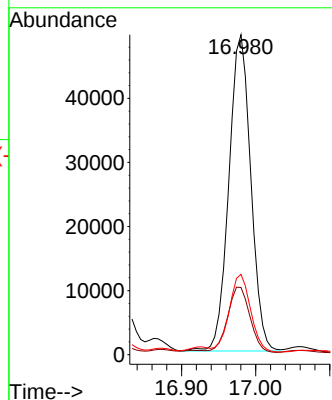
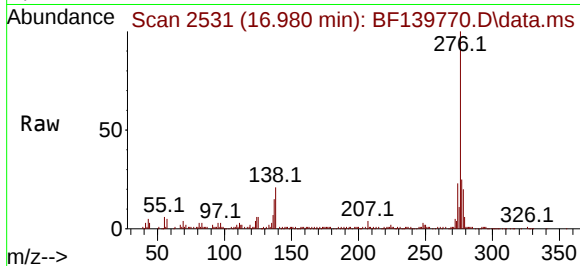




#87
Indeno(1,2,3-cd)pyrene
Concen: 12.354 ng
RT: 16.980 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

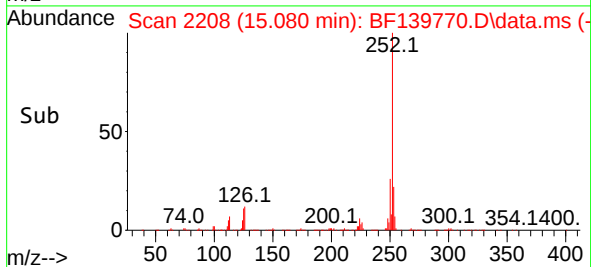
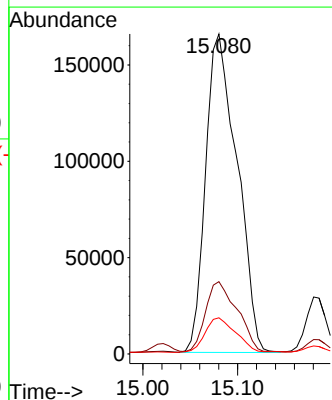
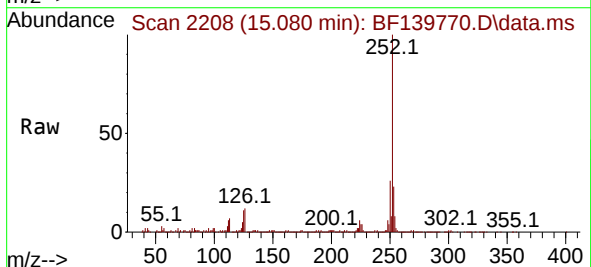
Instrument :
BNA_F
ClientSampleId :
SB-07-0.167-0.667

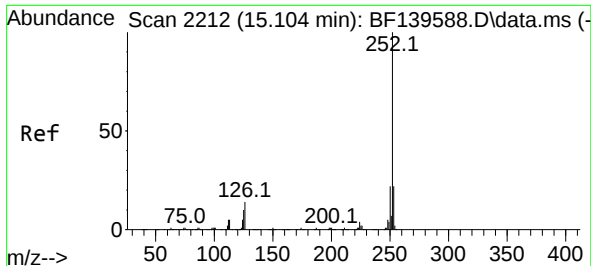
Tgt Ion:276 Resp: 101357
Ion Ratio Lower Upper
276 100
138 21.0 19.4 29.0
277 23.8 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 42.360 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

Tgt Ion:252 Resp: 381775
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 11.3 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 49.937 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF139770.D

Acq: 11 Oct 2024 12:54

Instrument :

BNA_F

ClientSampleId :

SB-07-0.167-0.667

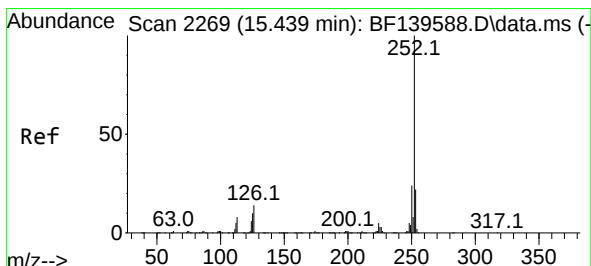
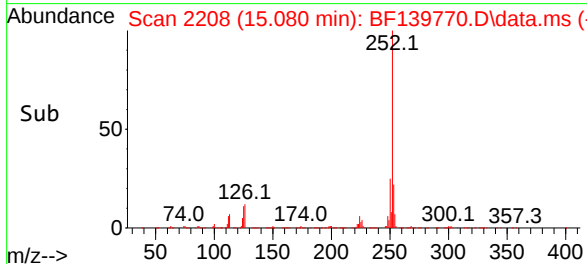
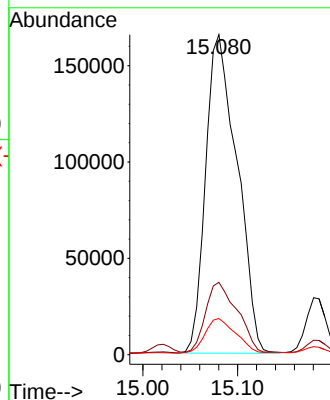
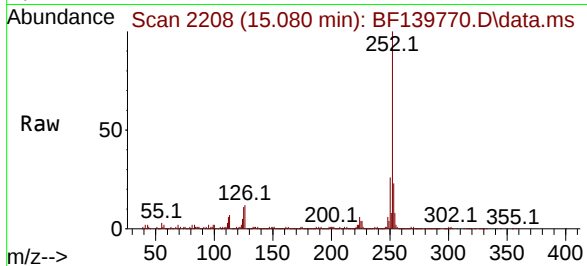
Tgt Ion:252 Resp: 381775

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 11.3 7.6 11.4



#90

Benzo(a)pyrene

Concen: 26.527 ng

RT: 15.445 min Scan# 2270

Delta R.T. 0.006 min

Lab File: BF139770.D

Acq: 11 Oct 2024 12:54

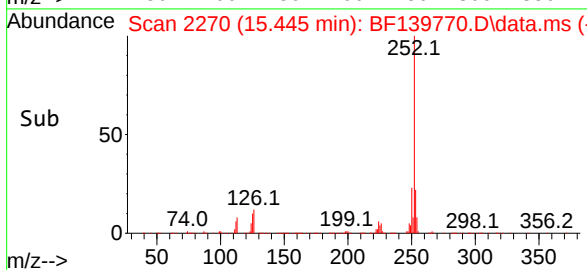
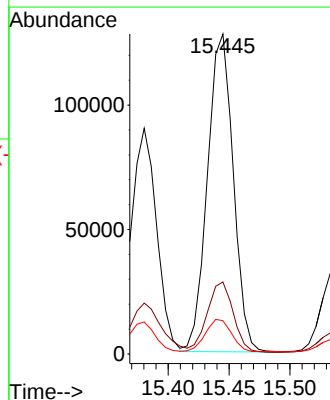
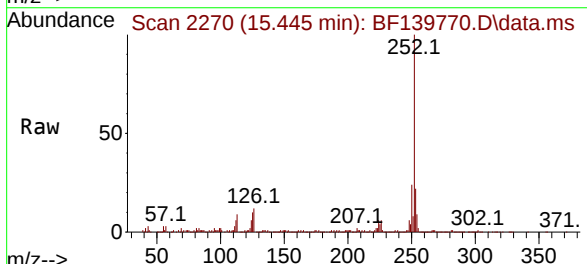
Tgt Ion:252 Resp: 188514

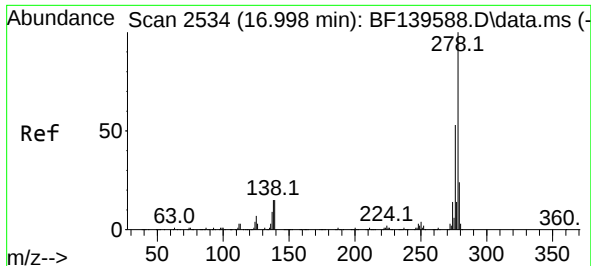
Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

125 10.4 8.3 12.5

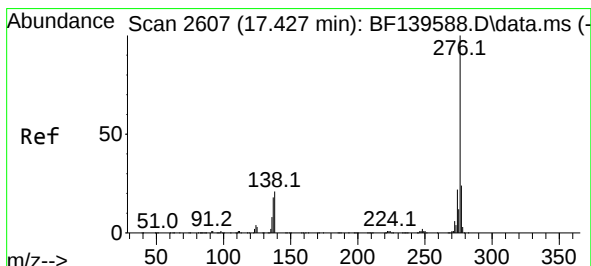
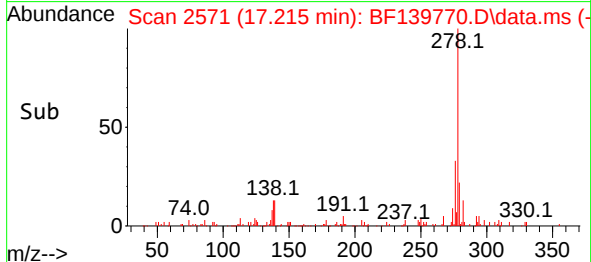
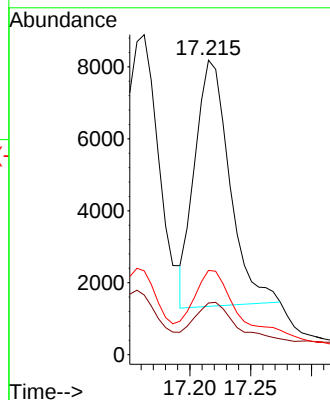
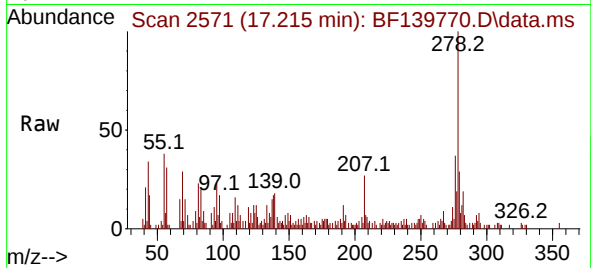




#91
Dibenzo(a,h)anthracene
Concen: 2.002 ng
RT: 17.215 min Scan# 21
Delta R.T. 0.218 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

Instrument :
BNA_F
ClientSampleId :
SB-07-0.167-0.667

Tgt Ion:278 Resp: 13626
Ion Ratio Lower Upper
278 100
139 17.5 12.2 18.4
279 28.6 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 14.013 ng
RT: 17.427 min Scan# 2607
Delta R.T. -0.000 min
Lab File: BF139770.D
Acq: 11 Oct 2024 12:54

Tgt Ion:276 Resp: 95633
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 22.2 17.0 25.6

