

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139771.D
 Acq On : 11 Oct 2024 13:23
 Operator : RC/JU
 Sample : P4364-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-0.167-0.667

Quant Time: Oct 11 14:08:31 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

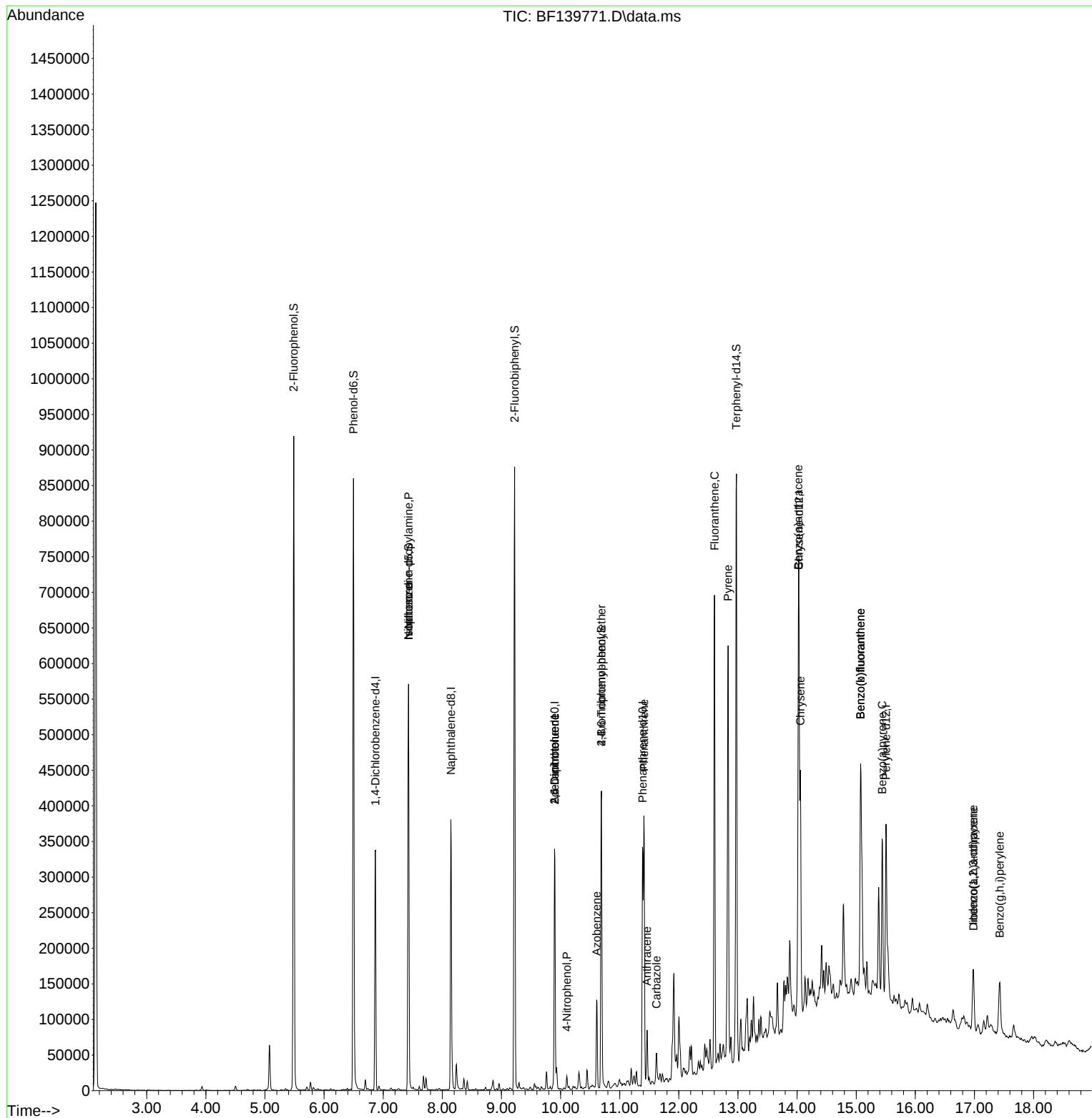
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	70125	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	227557	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	99467	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	178983	20.000	ng	0.00
76) Chrysene-d12	14.033	240	166148	20.000	ng	0.00
86) Perylene-d12	15.504	264	133611	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	314843	77.818	ng	0.00
7) Phenol-d6	6.498	99	377265	69.339	ng	0.00
23) Nitrobenzene-d5	7.428	82	239011	53.179	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	65502	68.218	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	377491	58.262	ng	0.00
79) Terphenyl-d14	12.974	244	405404	40.037	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.428	70	32427	9.270	ng	# 74
25) Isophorone	7.428	82	237098	29.701	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	12650	8.600	ng	# 19
56) 4-Nitrophenol	10.104	139	3027	2.641	ng	# 1
57) 2,4-Dinitrotoluene	9.898	165	12650	6.580	ng	# 18
63) Azobenzene	10.610	77	31182	4.610	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	4519	2.463	ng	# 1
71) Phenanthrene	11.410	178	193012	22.871	ng	99
72) Anthracene	11.463	178	42493	5.090	ng	98
73) Carbazole	11.621	167	22328	2.784	ng	98
75) Fluoranthene	12.604	202	372688	40.399	ng	99
78) Pyrene	12.833	202	334320	22.498	ng	99
81) Benzo(a)anthracene	14.021	228	211522	19.364	ng	96
83) Chrysene	14.057	228	170915	17.114	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	63183	8.034	ng	96
88) Benzo(b)fluoranthene	15.074	252	267873	31.007	ng	# 98
89) Benzo(k)fluoranthene	15.074	252	267873	36.553	ng	98
90) Benzo(a)pyrene	15.439	252	128446	18.856	ng	97
91) Dibenzo(a,h)anthracene	16.986	278	15952	2.446	ng	# 86
92) Benzo(g,h,i)perylene	17.427	276	59559	9.105	ng	98

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

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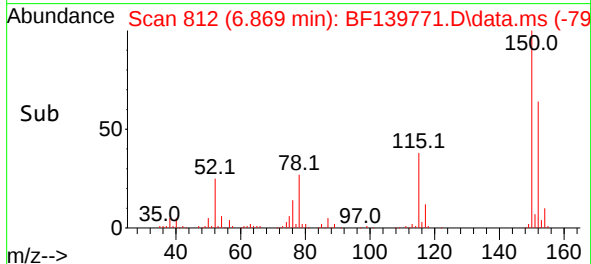
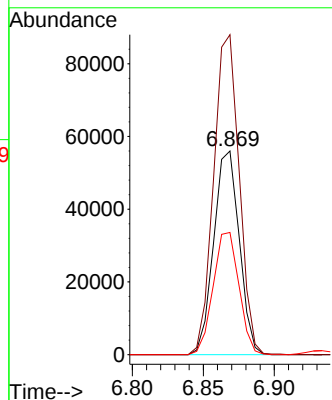
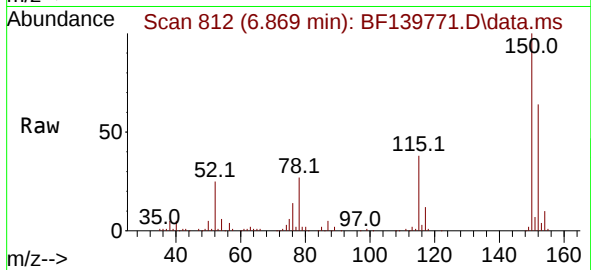




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

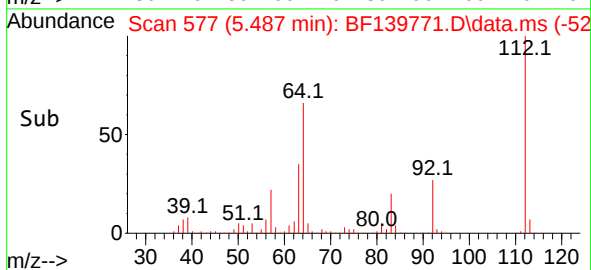
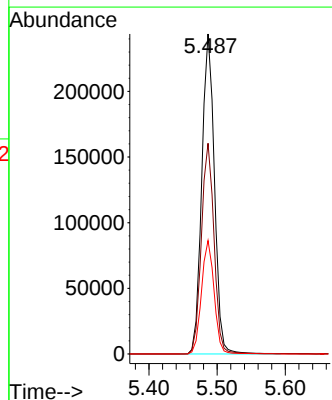
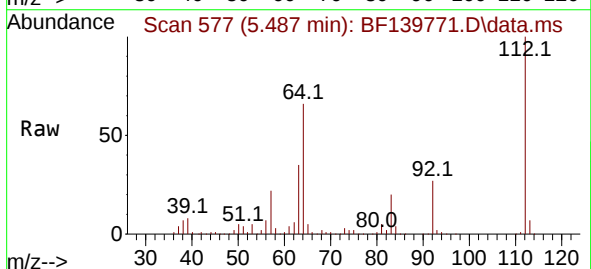
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667

Tgt Ion:152 Resp: 70125
Ion Ratio Lower Upper
152 100
150 157.1 127.2 190.8
115 60.0 49.0 73.4



#5
2-Fluorophenol
Concen: 77.818 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

Tgt Ion:112 Resp: 314843
Ion Ratio Lower Upper
112 100
64 65.9 54.2 81.4
63 35.4 29.4 44.2

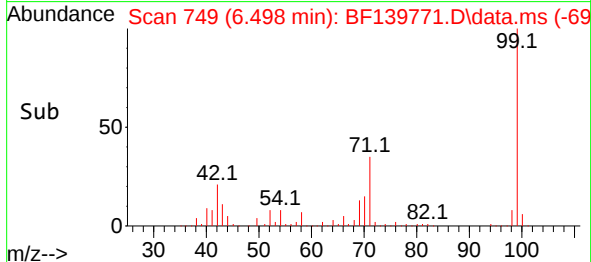
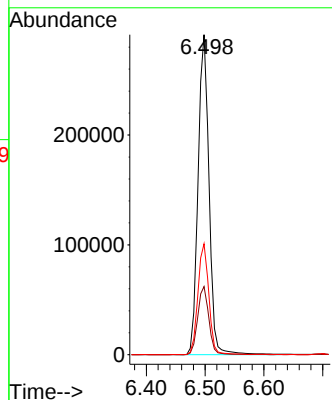
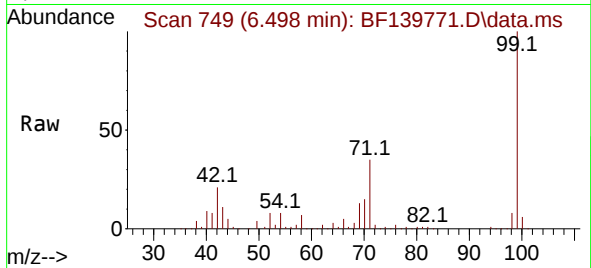




#7
Phenol-d6
Concen: 69.339 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

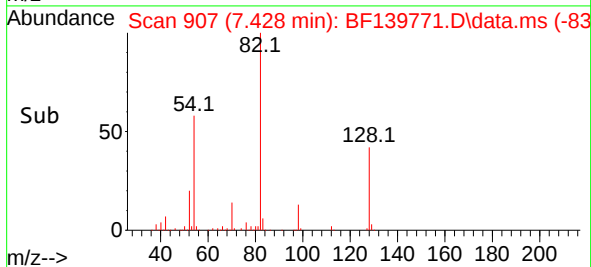
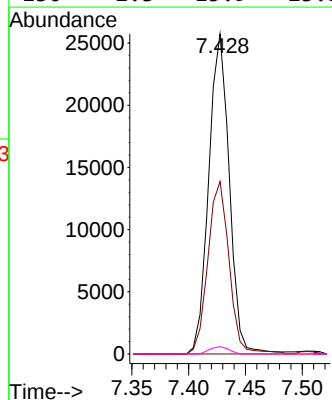
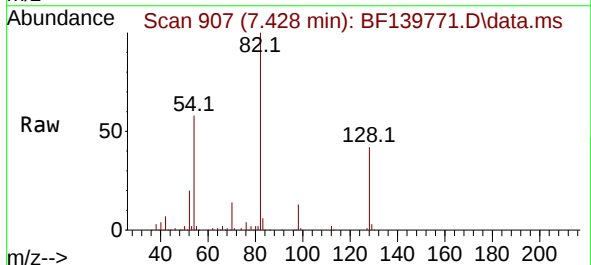
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667

Tgt Ion: 99 Resp: 377265
Ion Ratio Lower Upper
99 100
42 21.3 19.1 28.7
71 34.6 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 9.270 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

Tgt Ion: 70 Resp: 32427
Ion Ratio Lower Upper
70 100
42 53.9 58.0 87.0#
101 0.0 7.8 11.8#
130 2.3 15.9 23.9#

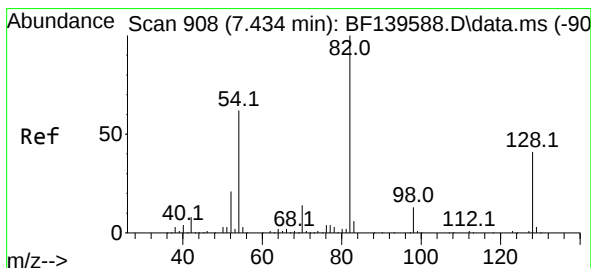
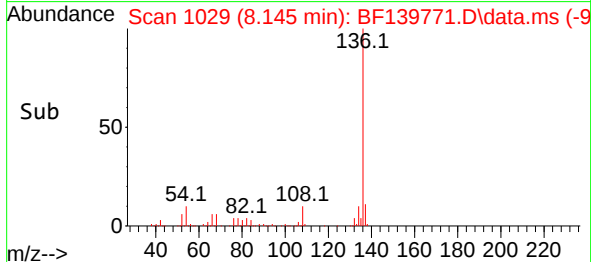
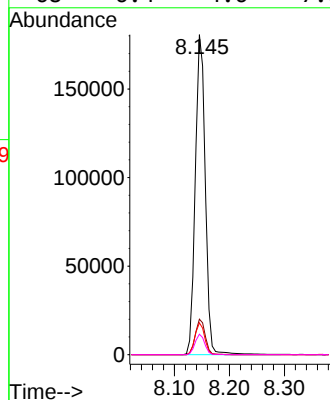
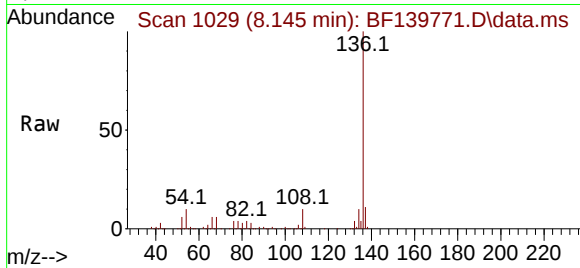




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

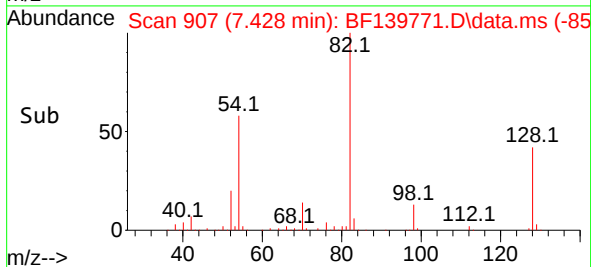
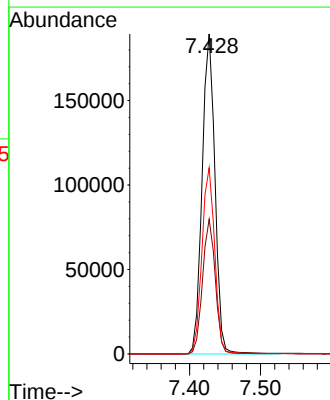
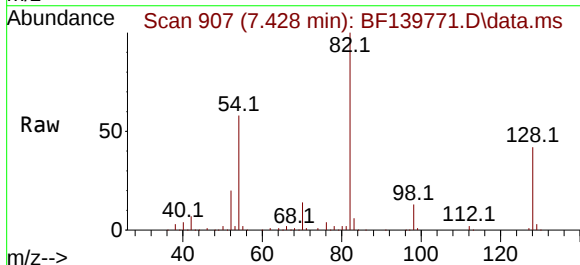
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667

Tgt Ion:	136	Resp:	227557
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.0	8.3	12.5
68	6.4	4.6	7.0



#23
Nitrobenzene-d5
Concen: 53.179 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

Tgt Ion:	82	Resp:	239011
Ion	Ratio	Lower	Upper
82	100		
128	42.1	32.4	48.6
54	58.2	49.1	73.7

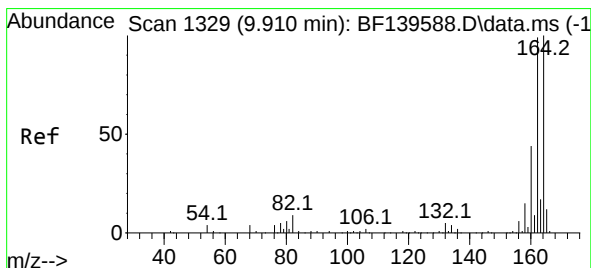
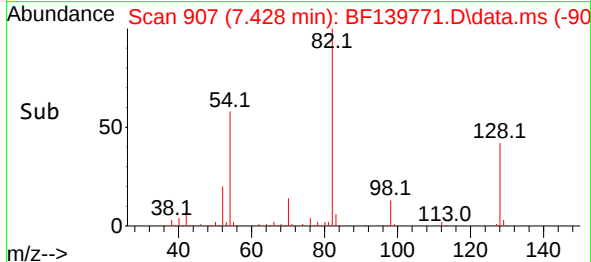
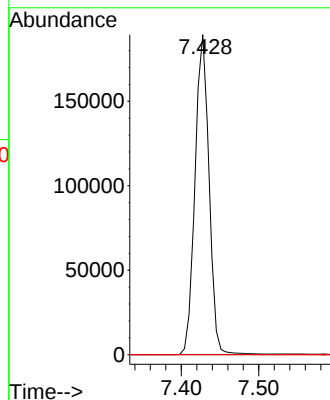
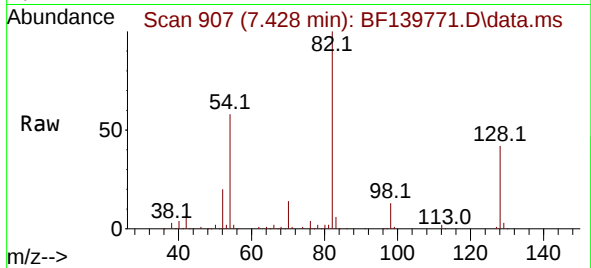




#25
Isophorone
Concen: 29.701 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

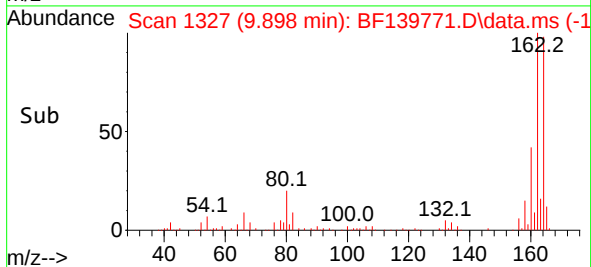
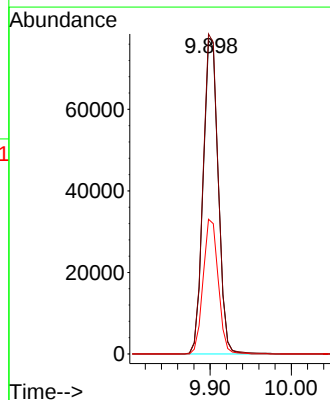
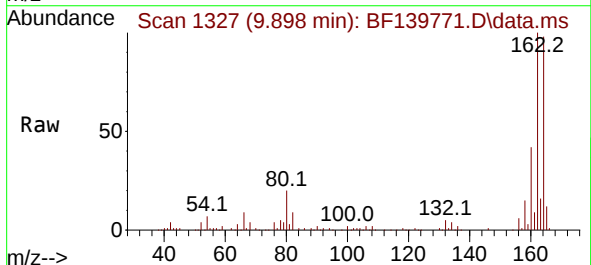
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BNA_F
ClientSampleId :
SB-05-0.167-0.667

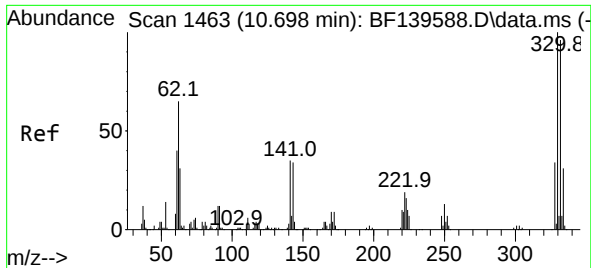
Tgt Ion: 82 Resp: 237098
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

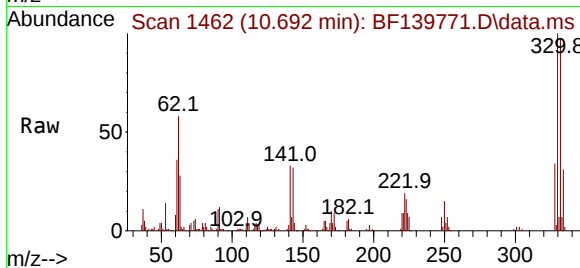
Tgt Ion:164 Resp: 99467
Ion Ratio Lower Upper
164 100
162 102.0 79.4 119.0
160 43.0 35.1 52.7



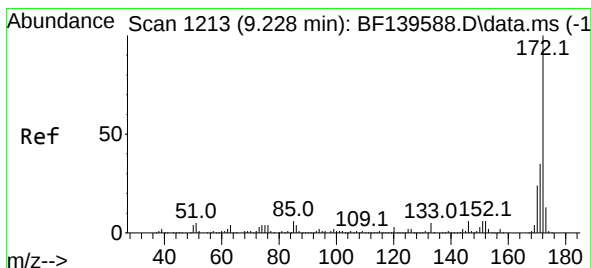
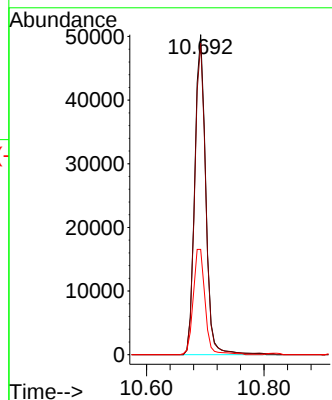
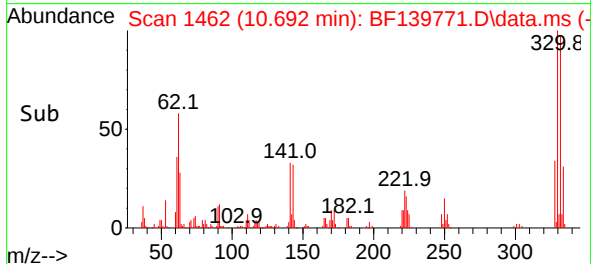


#42
2,4,6-Tribromophenol
Concen: 68.218 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

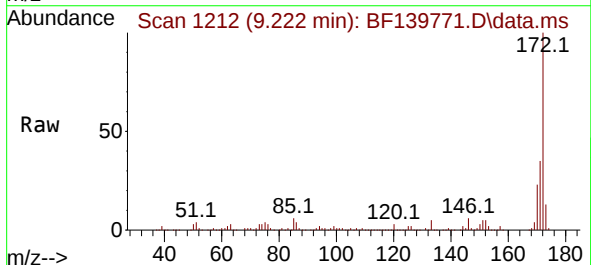
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SB-05-0.167-0.667



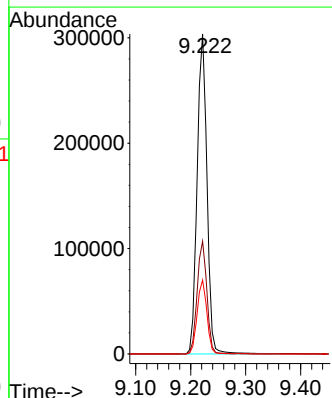
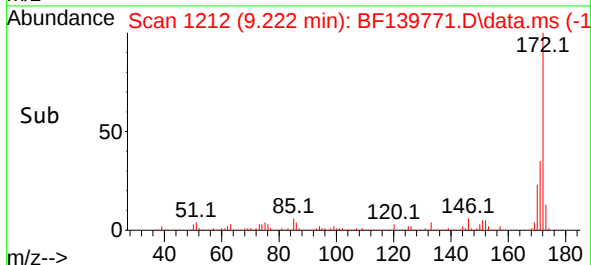
Tgt Ion:330 Resp: 65502
Ion Ratio Lower Upper
330 100
332 96.7 76.5 114.7
141 35.3 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 58.262 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23



Tgt Ion:172 Resp: 377491
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.1 18.8 28.2

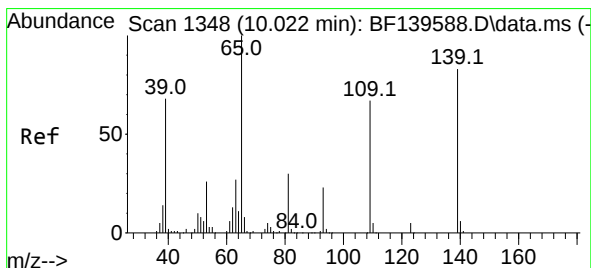
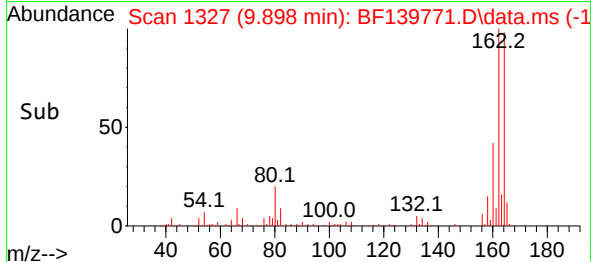
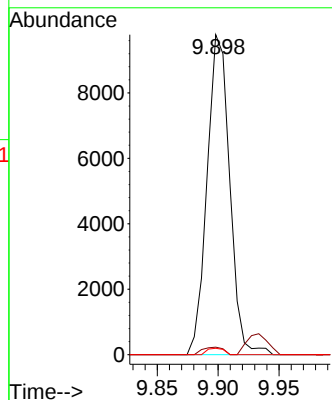
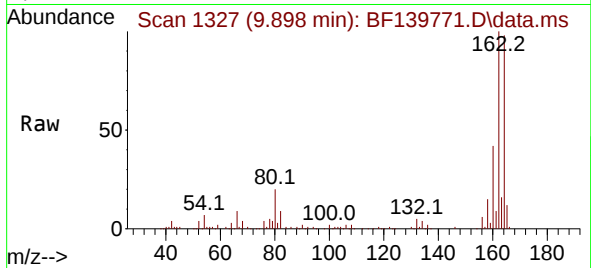




#51
2,6-Dinitrotoluene
Concen: 8.600 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

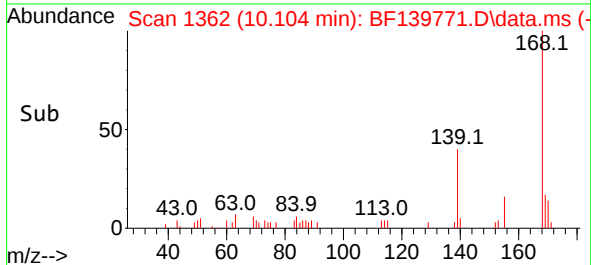
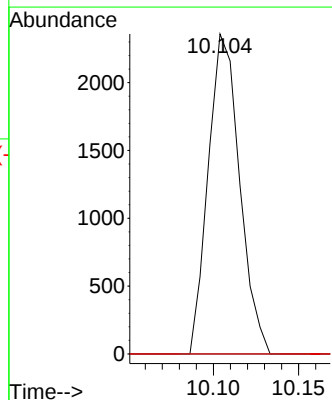
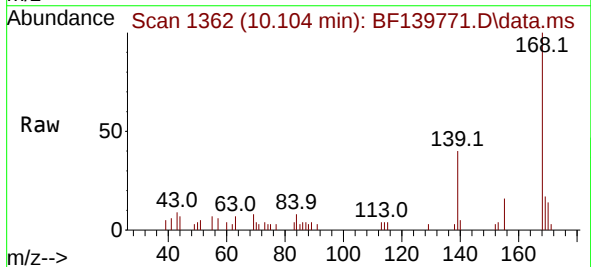
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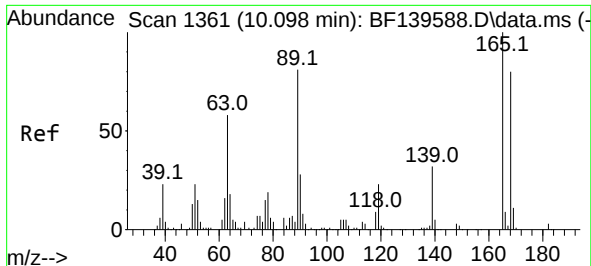
Tgt Ion:165 Resp: 12650
Ion Ratio Lower Upper
165 100
63 2.4 56.7 85.1#
89 2.0 51.6 77.4#



#56
4-Nitrophenol
Concen: 2.641 ng
RT: 10.104 min Scan# 1362
Delta R.T. 0.082 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

Tgt Ion:139 Resp: 3027
Ion Ratio Lower Upper
139 100
109 0.0 60.3 100.3#
65 0.0 100.8 140.8#

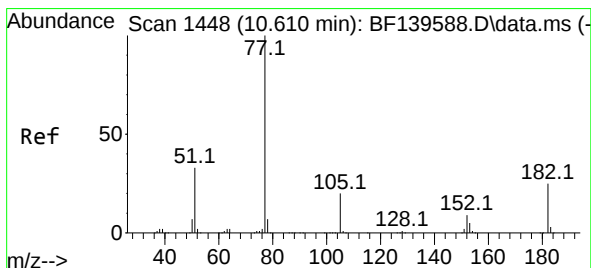
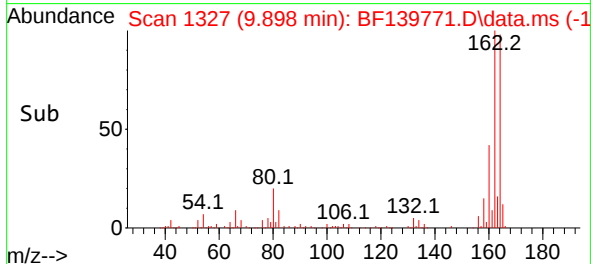
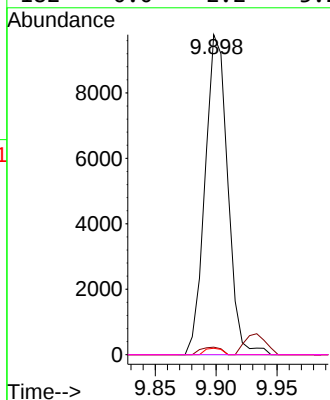
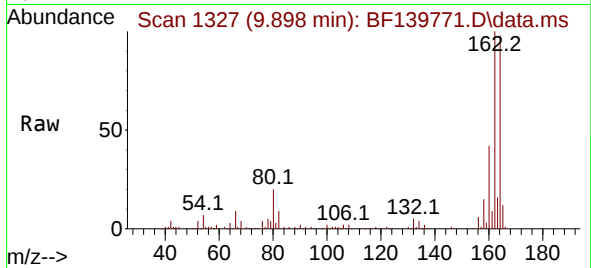




#57
2,4-Dinitrotoluene
Concen: 6.580 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

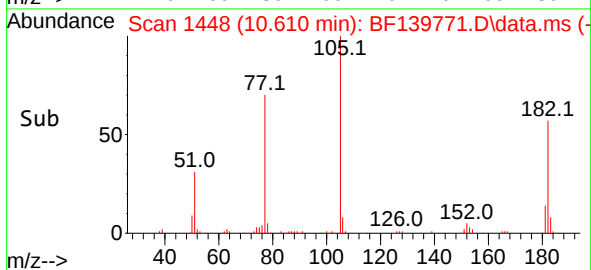
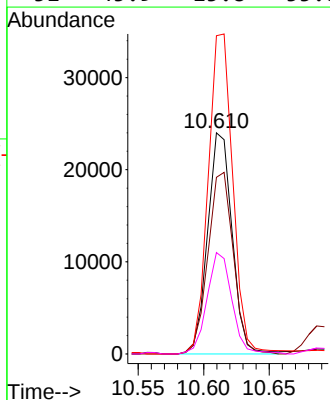
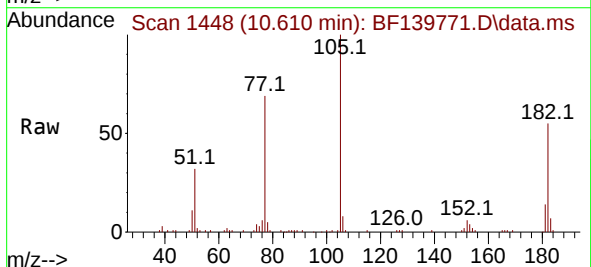
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667

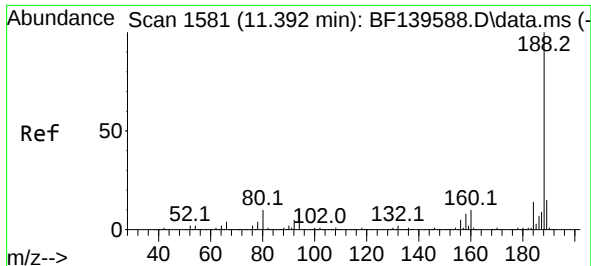
Tgt Ion:	165	Resp:	12650
Ion Ratio	Lower	Upper	
165	100		
63	2.4	46.9	70.3#
89	2.0	64.4	96.6#
182	0.0	2.2	3.2#



#63
Azobenzene
Concen: 4.610 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

Tgt Ion:	77	Resp:	31182
Ion Ratio	Lower	Upper	
77	100		
182	79.9	4.2	44.2#
105	144.0	0.0	39.6#
51	45.9	15.8	55.8

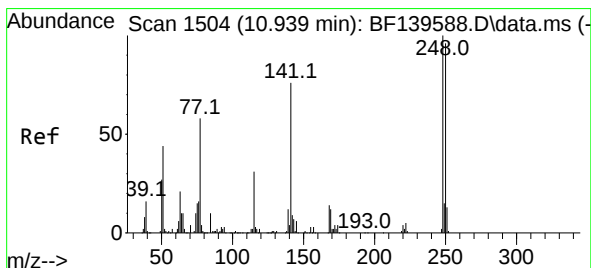
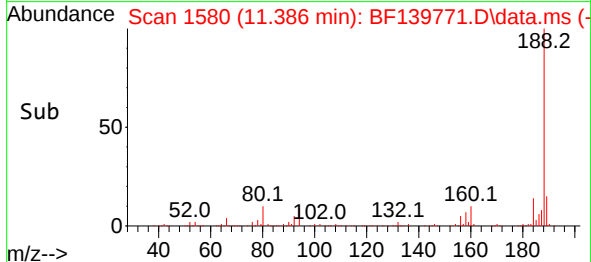
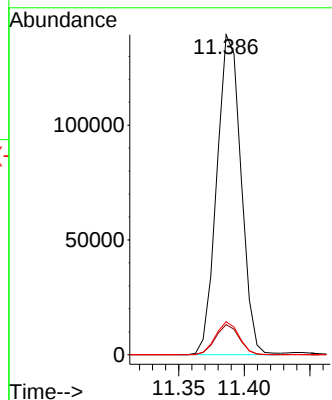
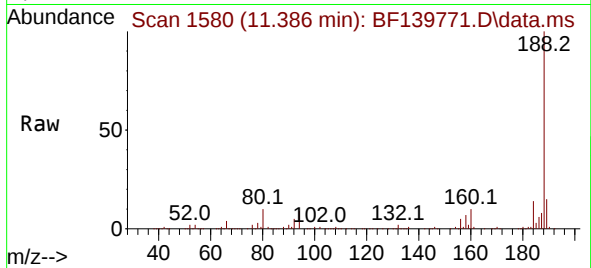




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

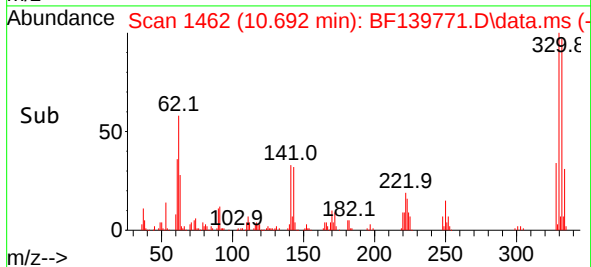
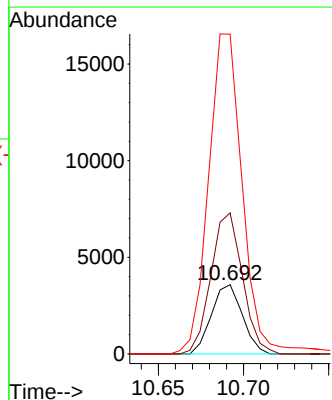
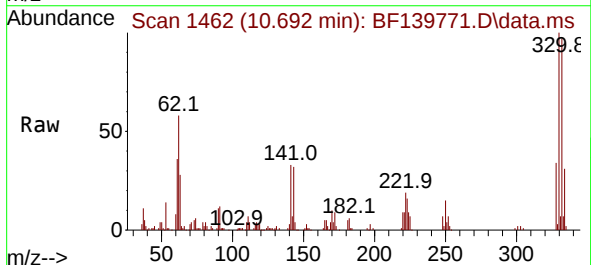
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667

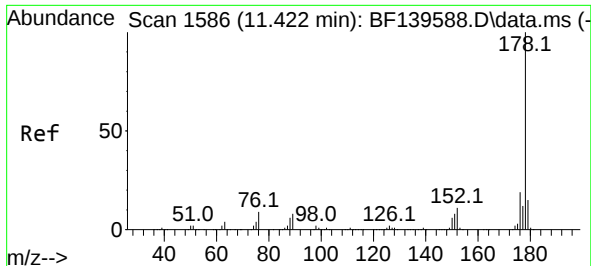
Tgt Ion:188 Resp: 178983
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.3 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 2.463 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

Tgt Ion:248 Resp: 4519
Ion Ratio Lower Upper
248 100
250 203.8 77.1 115.7#
141 462.0 60.4 90.6#

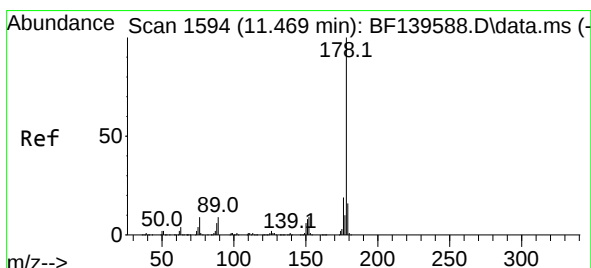
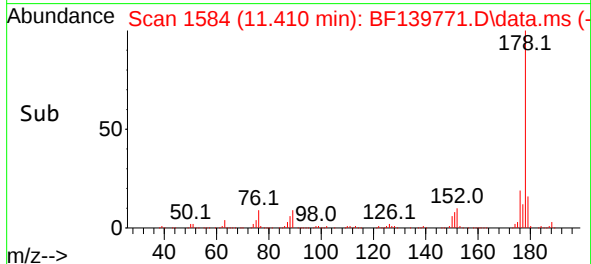
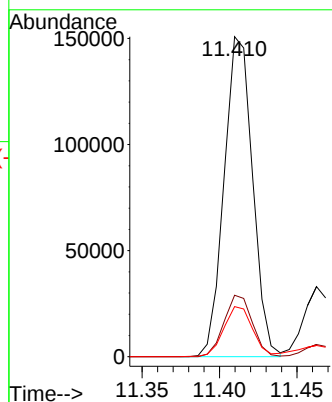
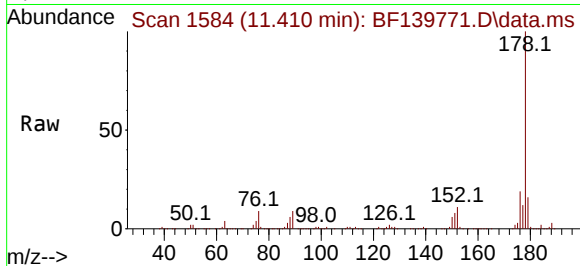




#71
Phenanthrene
Concen: 22.871 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

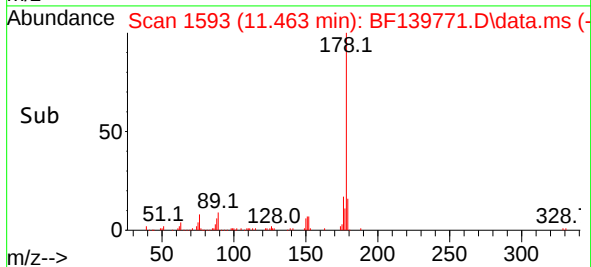
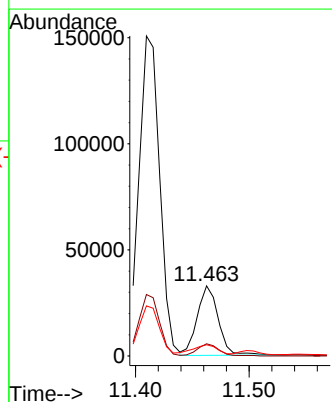
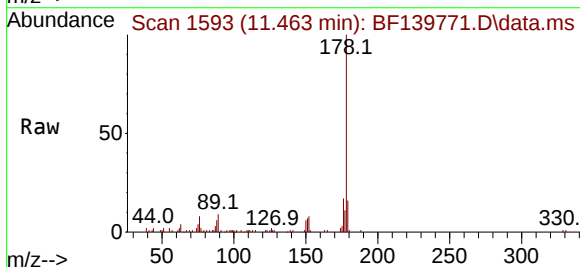
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667

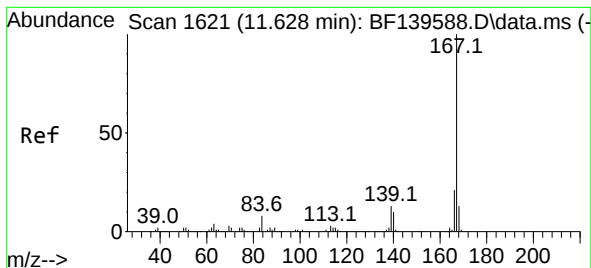
Tgt Ion:178 Resp: 193012
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.7 12.3 18.5



#72
Anthracene
Concen: 5.090 ng
RT: 11.463 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

Tgt Ion:178 Resp: 42493
Ion Ratio Lower Upper
178 100
176 17.3 15.1 22.7
179 16.1 12.5 18.7





#73

Carbazole

Concen: 2.784 ng

RT: 11.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139771.D

Acq: 11 Oct 2024 13:23

Instrument :

BNA_F

ClientSampleId :

SB-05-0.167-0.667

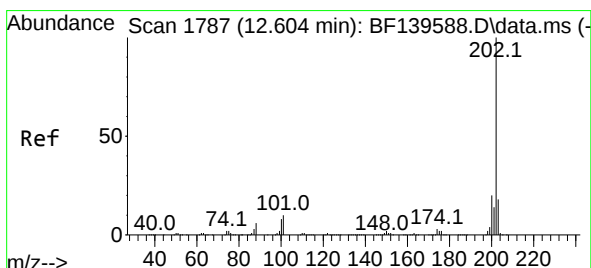
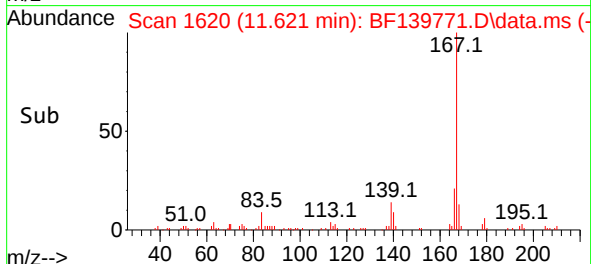
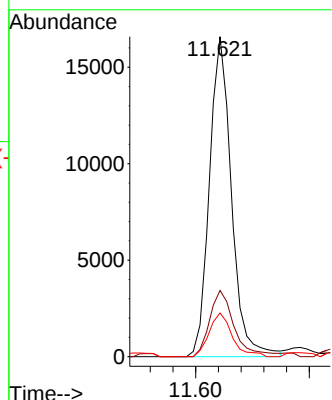
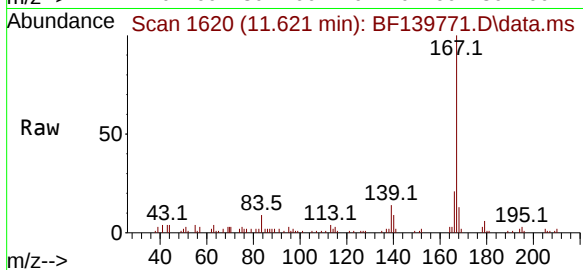
Tgt Ion:167 Resp: 22328

Ion Ratio Lower Upper

167 100

166 20.7 17.2 25.8

139 13.7 10.3 15.5



#75

Fluoranthene

Concen: 40.399 ng

RT: 12.604 min Scan# 1787

Delta R.T. -0.000 min

Lab File: BF139771.D

Acq: 11 Oct 2024 13:23

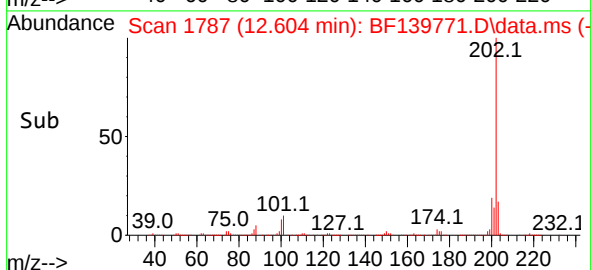
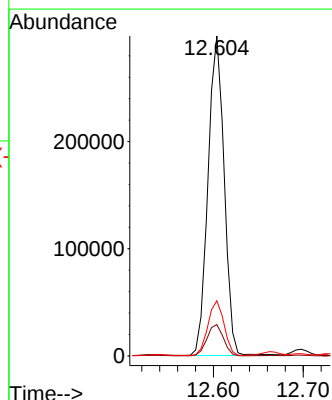
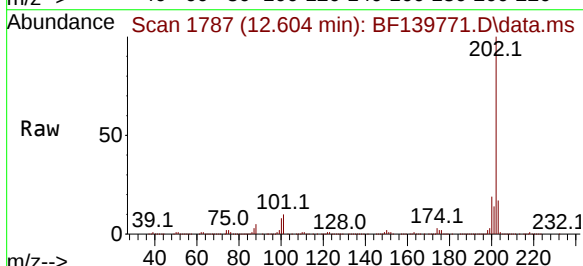
Tgt Ion:202 Resp: 372688

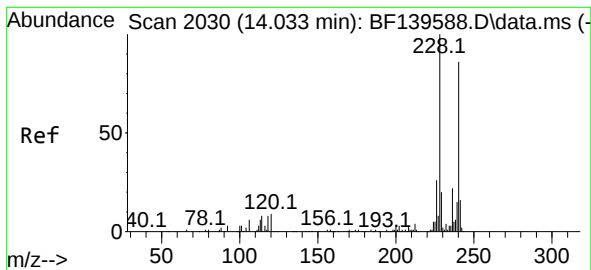
Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.2

203 17.2 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: BF139771.D

Acq: 11 Oct 2024 13:23

Instrument :

BNA_F

ClientSampleId :

SB-05-0.167-0.667

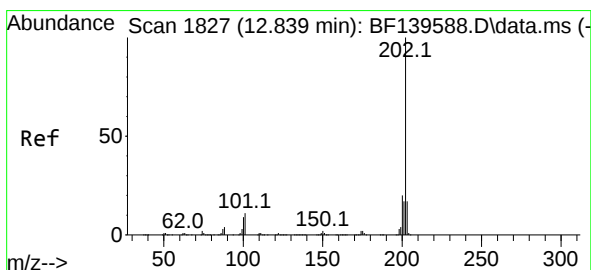
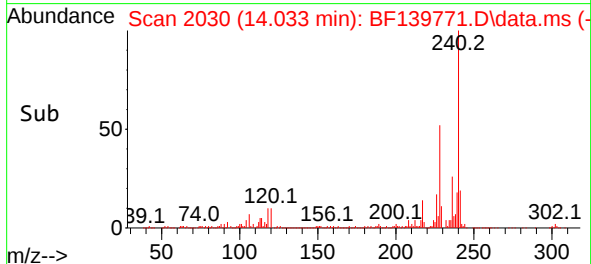
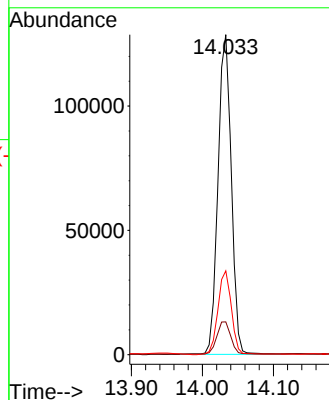
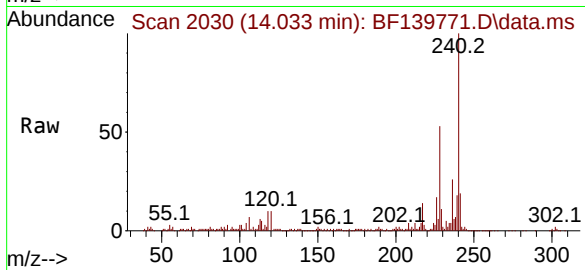
Tgt Ion:240 Resp: 166148

Ion Ratio Lower Upper

240 100

120 10.3 8.4 12.6

236 26.2 20.3 30.5



#78

Pyrene

Concen: 22.498 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF139771.D

Acq: 11 Oct 2024 13:23

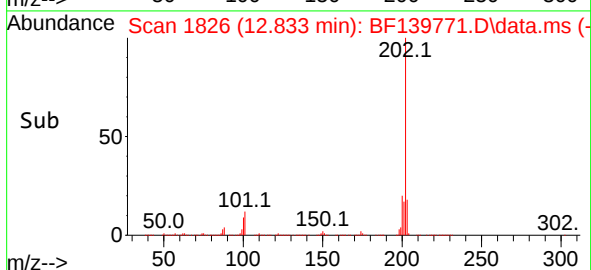
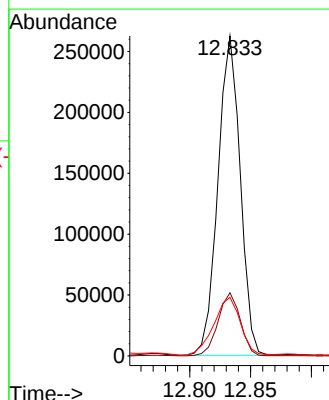
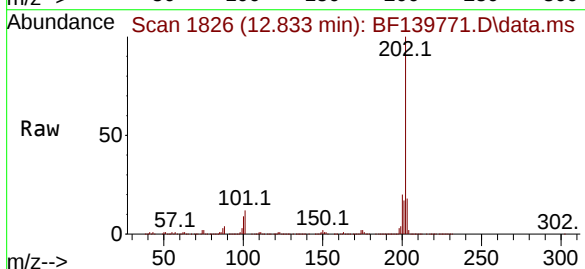
Tgt Ion:202 Resp: 334320

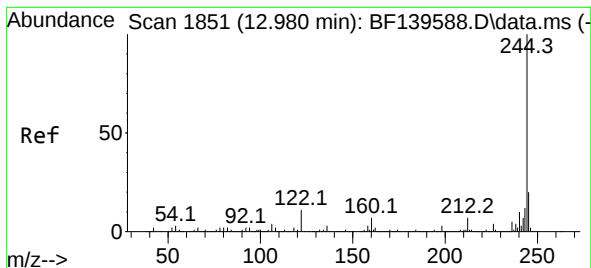
Ion Ratio Lower Upper

202 100

200 19.7 15.8 23.6

203 18.3 13.8 20.8





#79

Terphenyl-d14

Concen: 40.037 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139771.D

Acq: 11 Oct 2024 13:23

Instrument :

BNA_F

ClientSampleId :

SB-05-0.167-0.667

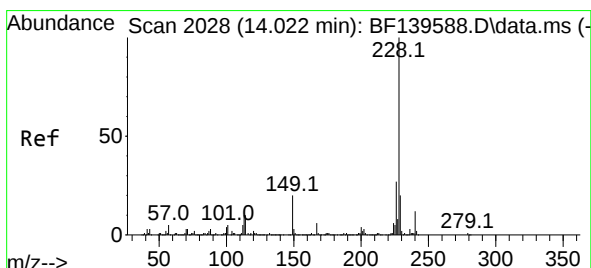
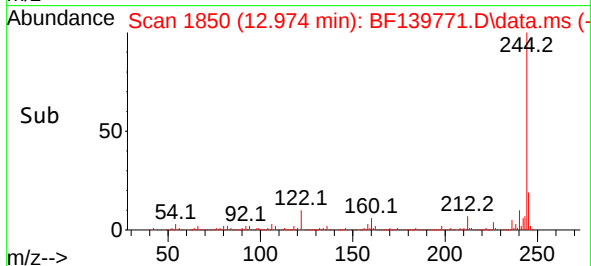
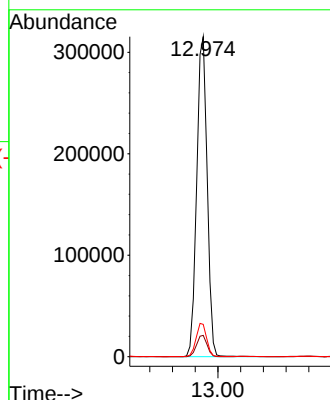
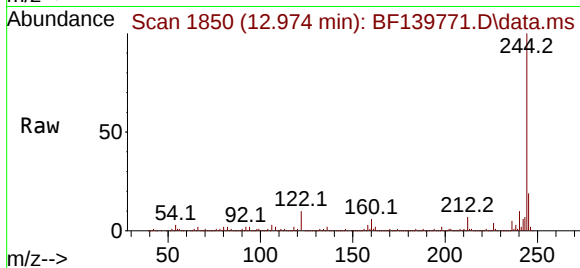
Tgt Ion:244 Resp: 405404

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 10.1 8.6 12.8



#81

Benzo(a)anthracene

Concen: 19.364 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139771.D

Acq: 11 Oct 2024 13:23

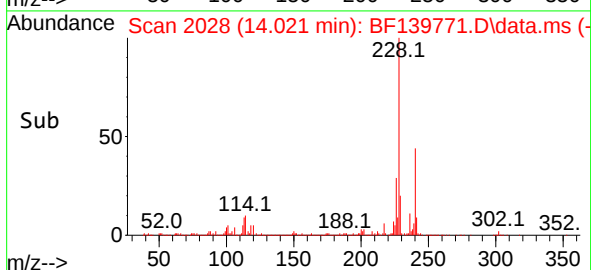
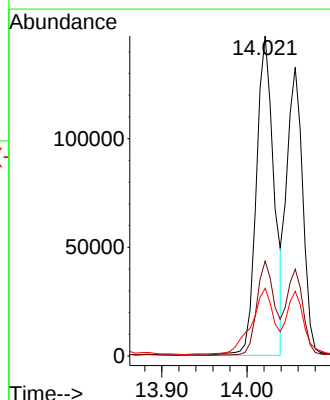
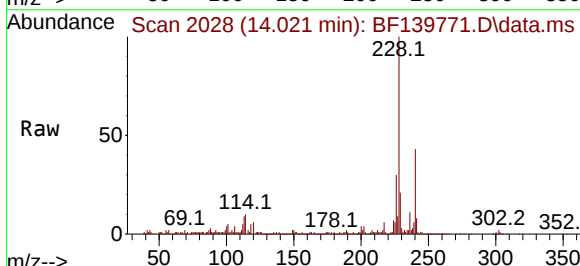
Tgt Ion:228 Resp: 211522

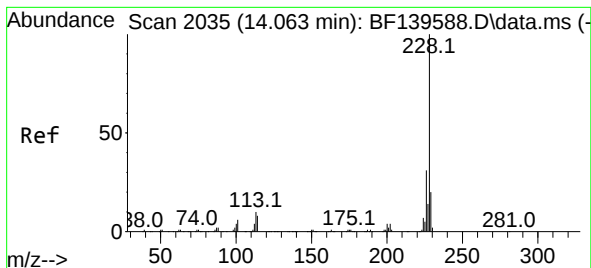
Ion Ratio Lower Upper

228 100

226 29.7 21.8 32.8

229 21.1 15.8 23.8





#83

Chrysene

Concen: 17.114 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF139771.D

Acq: 11 Oct 2024 13:23

Instrument :

BNA_F

ClientSampleId :

SB-05-0.167-0.667

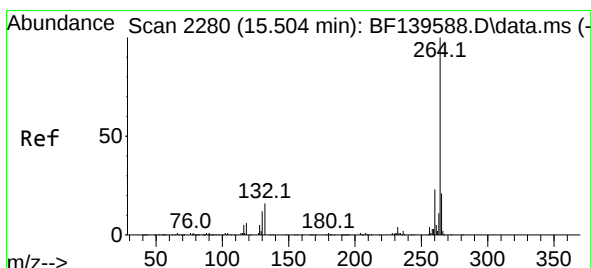
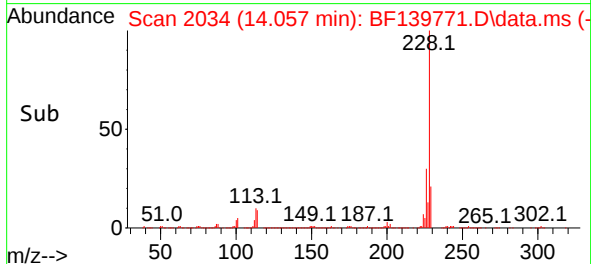
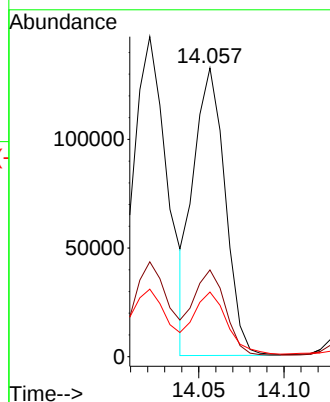
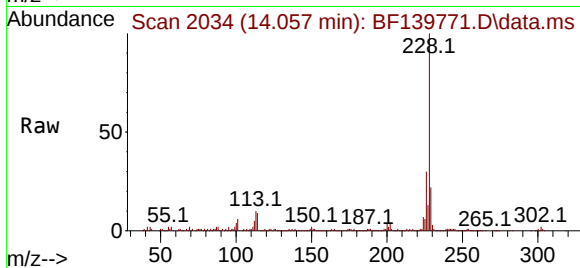
Tgt Ion:228 Resp: 170915

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 22.4 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: BF139771.D

Acq: 11 Oct 2024 13:23

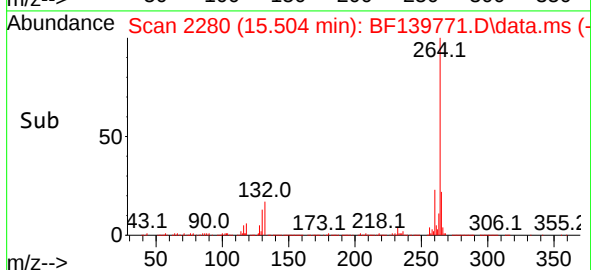
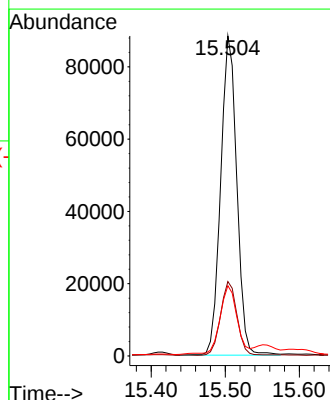
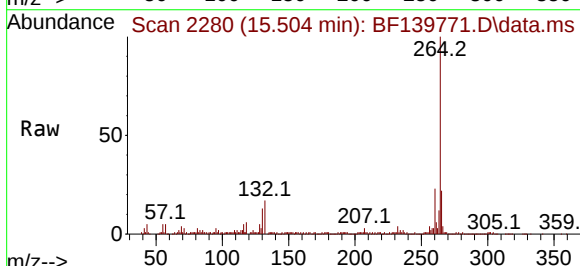
Tgt Ion:264 Resp: 133611

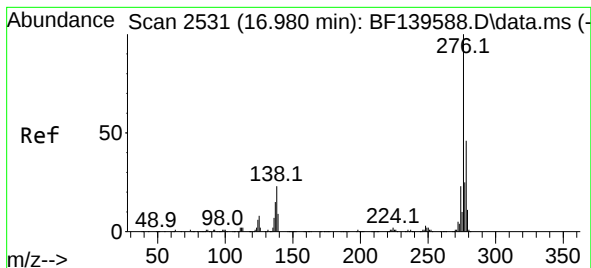
Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 21.9 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.034 ng

RT: 16.980 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139771.D

Acq: 11 Oct 2024 13:23

Instrument :

BNA_F

ClientSampleId :

SB-05-0.167-0.667

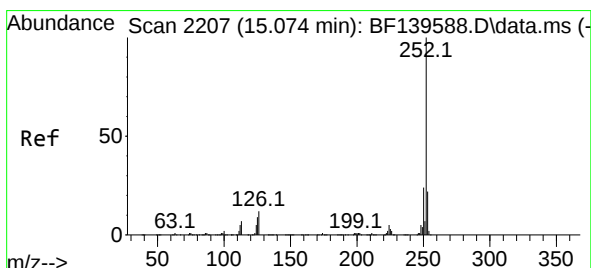
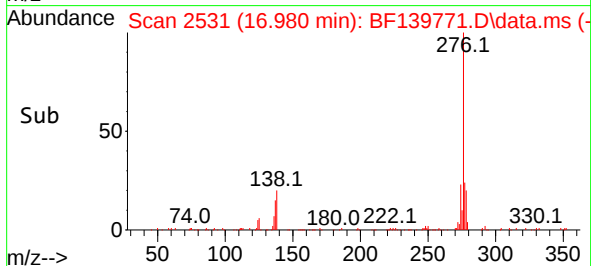
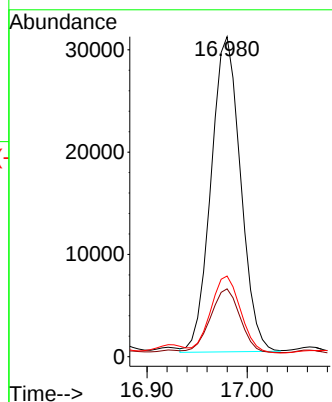
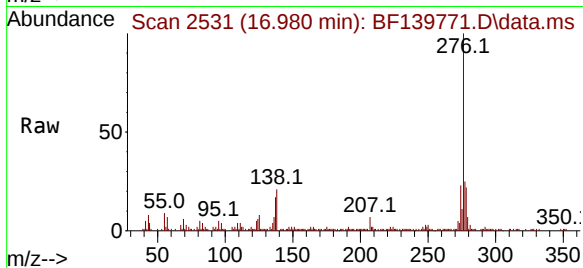
Tgt Ion:276 Resp: 63183

Ion Ratio Lower Upper

276 100

138 20.2 19.4 29.0

277 24.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 31.007 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.000 min

Lab File: BF139771.D

Acq: 11 Oct 2024 13:23

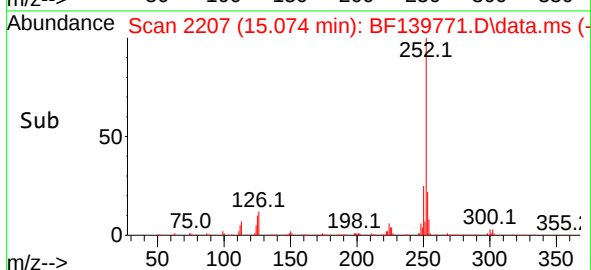
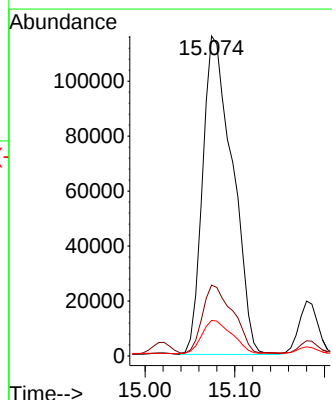
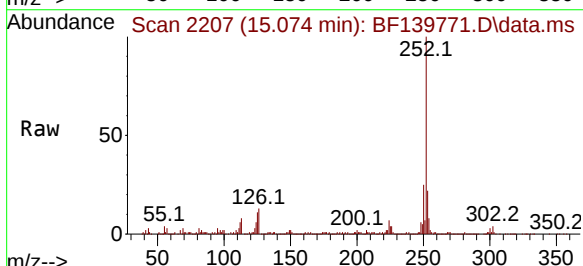
Tgt Ion:252 Resp: 267873

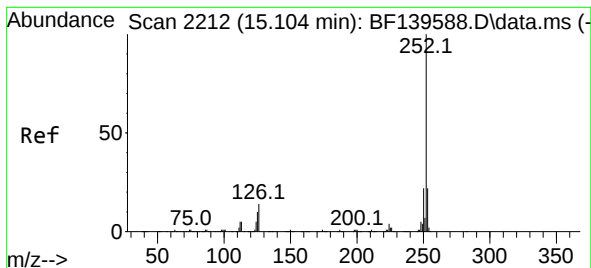
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 11.1 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 36.553 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF139771.D

Acq: 11 Oct 2024 13:23

Instrument :

BNA_F

ClientSampleId :

SB-05-0.167-0.667

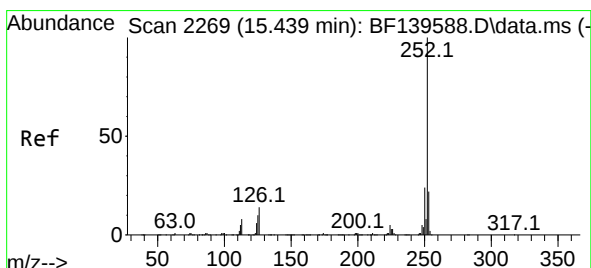
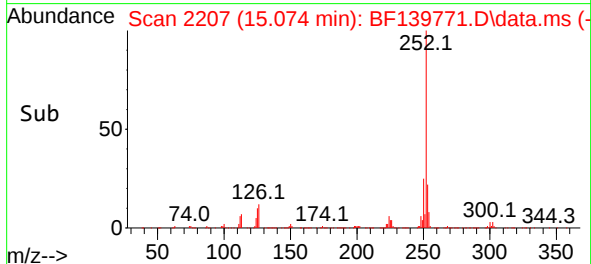
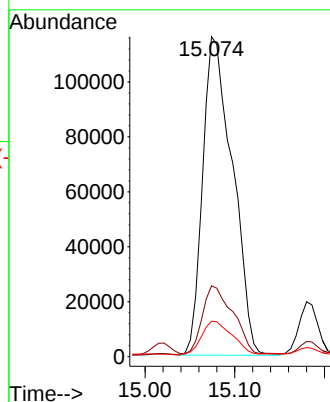
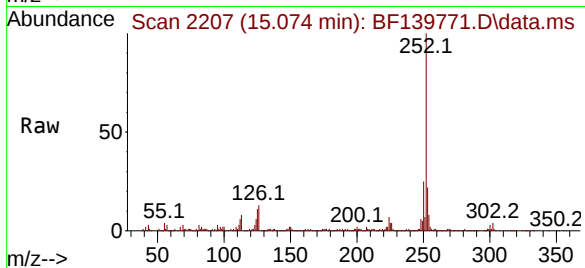
Tgt Ion:252 Resp: 267873

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 11.1 7.6 11.4



#90

Benzo(a)pyrene

Concen: 18.856 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BF139771.D

Acq: 11 Oct 2024 13:23

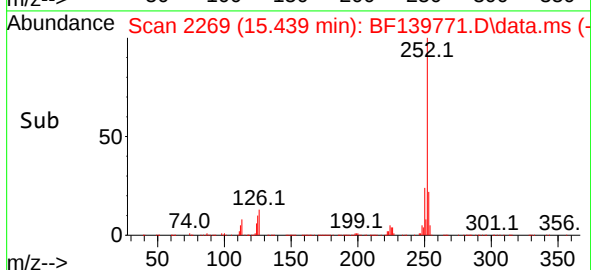
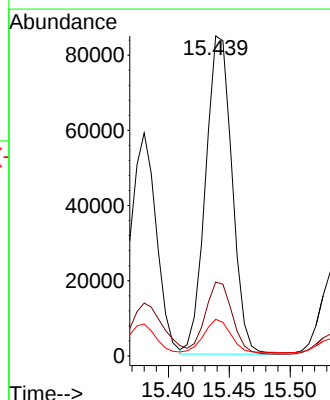
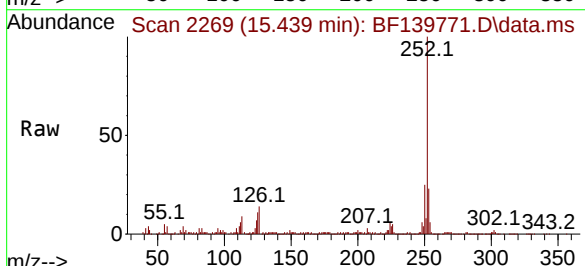
Tgt Ion:252 Resp: 128446

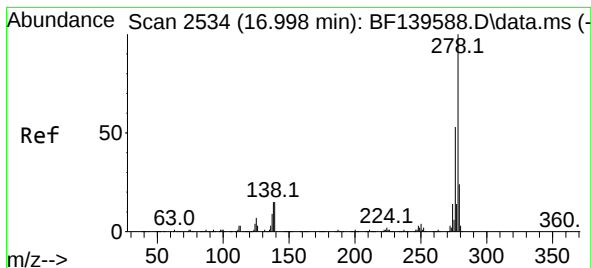
Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 11.4 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 2.446 ng

RT: 16.986 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139771.D

Acq: 11 Oct 2024 13:23

Instrument :

BNA_F

ClientSampleId :

SB-05-0.167-0.667

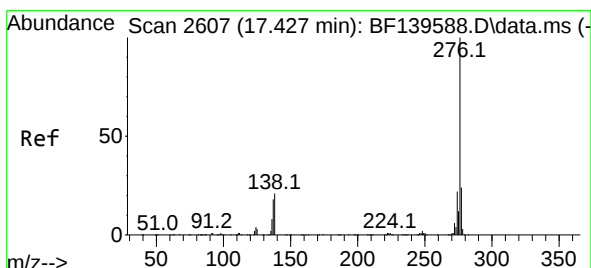
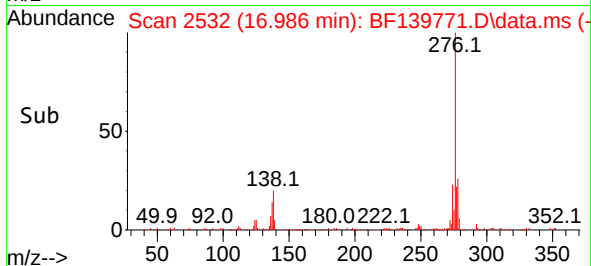
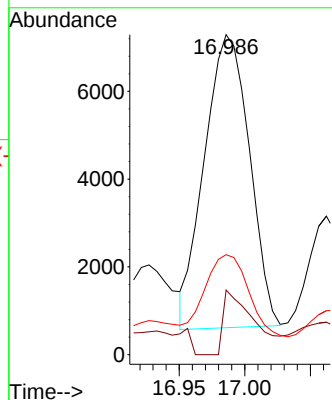
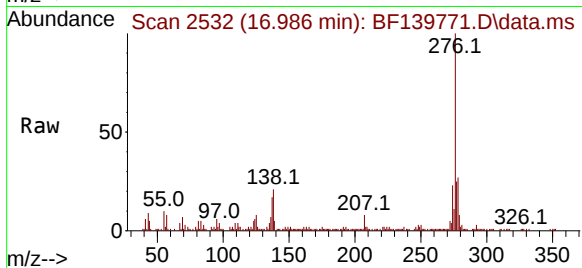
Tgt Ion:278 Resp: 15952

Ion Ratio Lower Upper

278 100

139 20.2 12.2 18.4#

279 31.3 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 9.105 ng

RT: 17.427 min Scan# 2607

Delta R.T. -0.000 min

Lab File: BF139771.D

Acq: 11 Oct 2024 13:23

Tgt Ion:276 Resp: 59559

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.6

138 22.9 17.0 25.6

