

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
 Data File : BF139727.D
 Acq On : 09 Oct 2024 17:29
 Operator : RC/JU
 Sample : P4321-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IB-6

Quant Time: Oct 09 18:09:28 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)

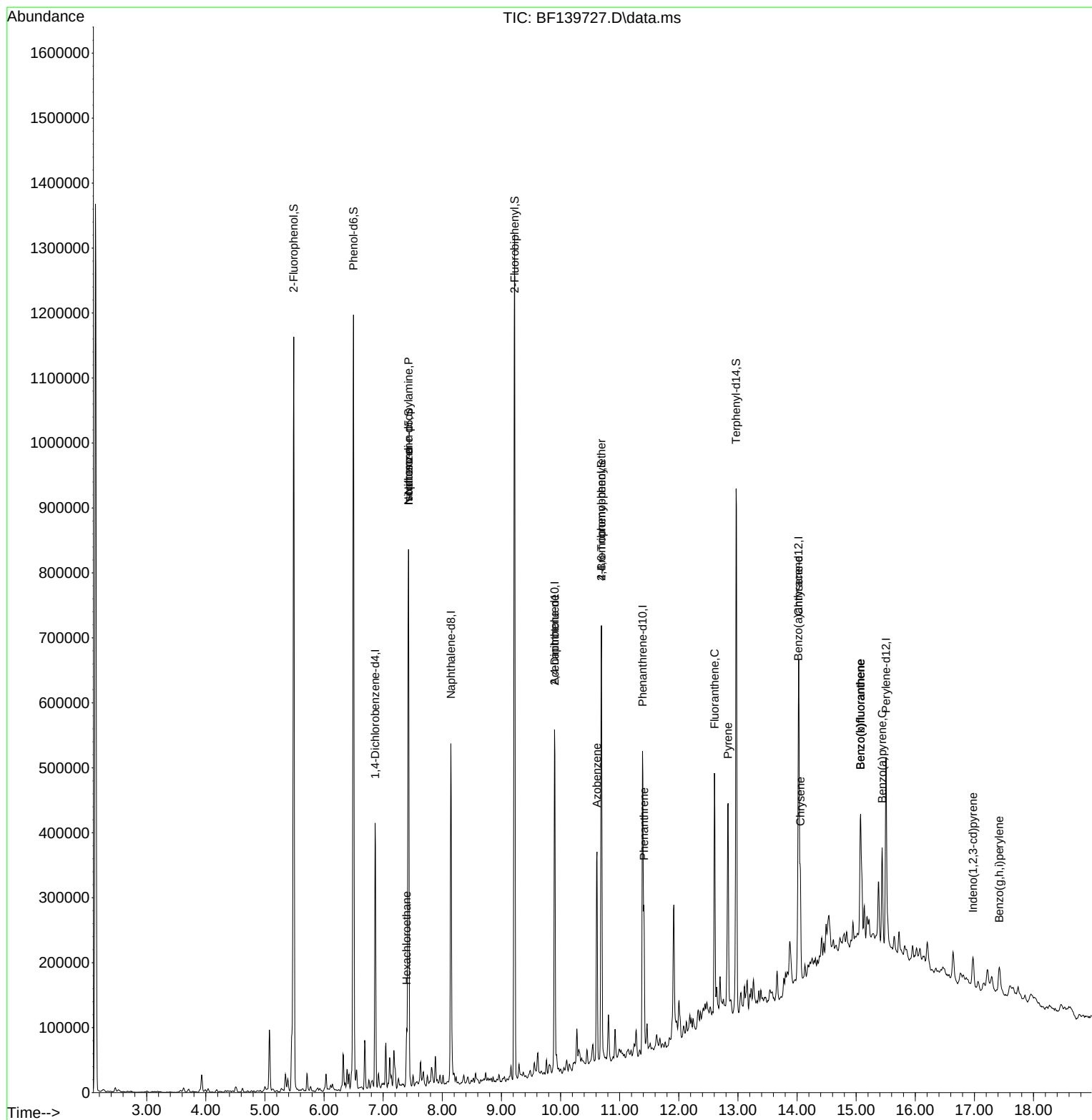
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	82060	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	300501	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	153028	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	239587	20.000	ng	0.00
76) Chrysene-d12	14.027	240	168159	20.000	ng	0.00
86) Perylene-d12	15.504	264	169190	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	390360	82.451	ng	0.00
7) Phenol-d6	6.498	99	520234	81.710	ng	0.00
23) Nitrobenzene-d5	7.428	82	340896	57.436	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	101428	68.661	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	550275	55.204	ng	0.00
79) Terphenyl-d14	12.969	244	398337	38.868	ng	-0.01
Target Compounds						Qvalue
18) Hexachloroethane	7.398	117	5039	2.338	ng	# 1
19) n-Nitroso-di-n-propyla...	7.428	70	46146	11.273	ng	# 75
25) Isophorone	7.428	82	337355	32.002	ng	# 67
57) 2,4-Dinitrotoluene	9.898	165	20889	7.062	ng	# 18
63) Azobenzene	10.616	77	83299	8.005	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	6852	2.789	ng	# 1
71) Phenanthrene	11.410	178	111951	9.910	ng	98
75) Fluoranthene	12.604	202	197472	15.991	ng	99
78) Pyrene	12.833	202	189172	12.578	ng	99
81) Benzo(a)anthracene	14.022	228	110277	9.975	ng	96
83) Chrysene	14.057	228	87250	8.632	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	36529	3.668	ng	93
88) Benzo(b)fluoranthene	15.074	252	160863	14.705	ng	# 95
89) Benzo(k)fluoranthene	15.074	252	160863	17.335	ng	# 96
90) Benzo(a)pyrene	15.439	252	85729	9.939	ng	96
92) Benzo(g,h,i)perylene	17.421	276	32947	3.977	ng	93

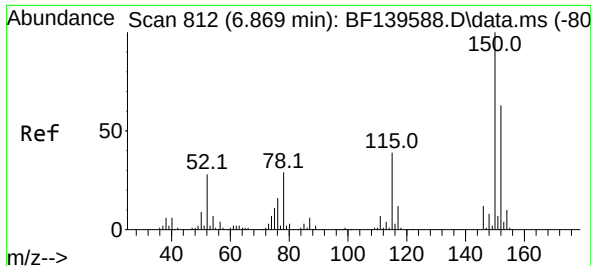
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
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Quant Time: Oct 09 18:09:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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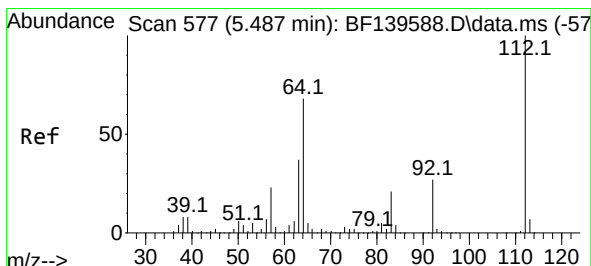
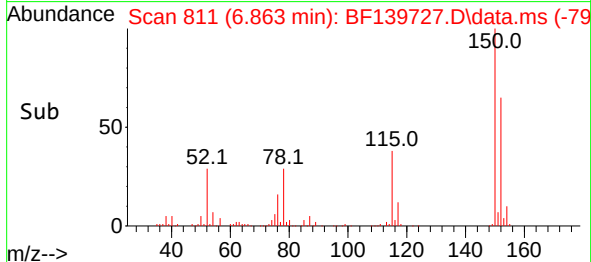
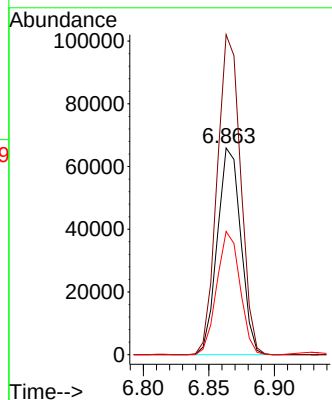
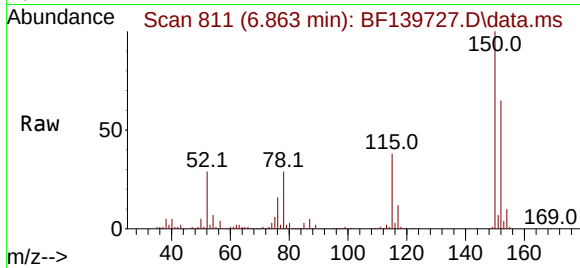




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

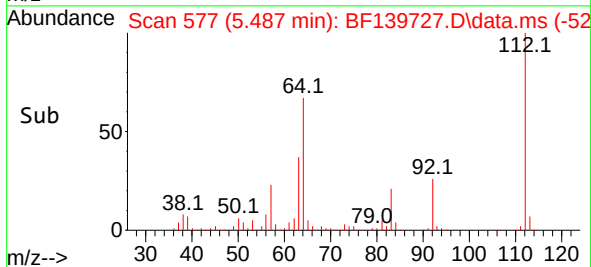
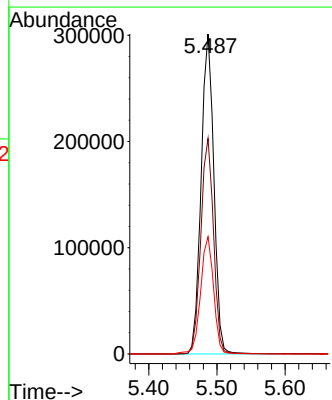
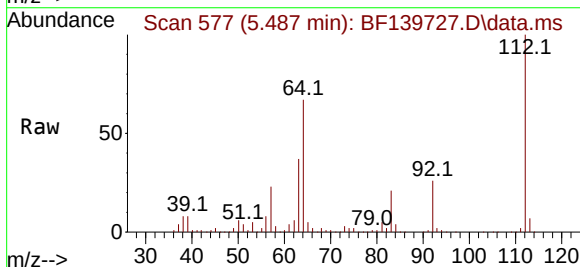
Instrument :
BNA_F
ClientSampleId :
IB-6

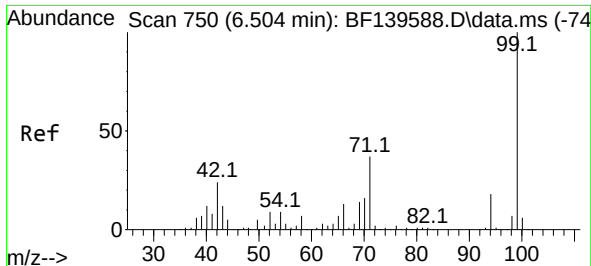
Tgt Ion:152 Resp: 82060
Ion Ratio Lower Upper
152 100
150 154.8 127.2 190.8
115 59.6 49.0 73.4



#5
2-Fluorophenol
Concen: 82.451 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

Tgt Ion:112 Resp: 390360
Ion Ratio Lower Upper
112 100
64 67.4 54.2 81.4
63 36.7 29.4 44.2





#7

Phenol-d6

Concen: 81.710 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Instrument :

BNA_F

ClientSampleId :

IB-6

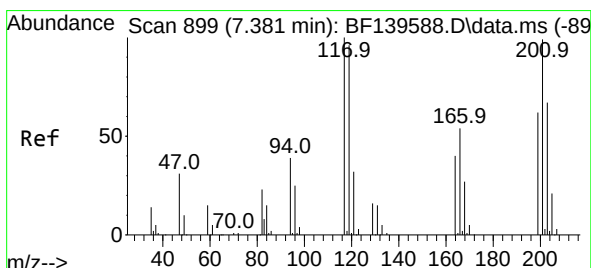
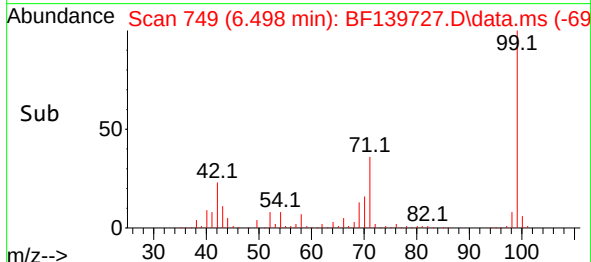
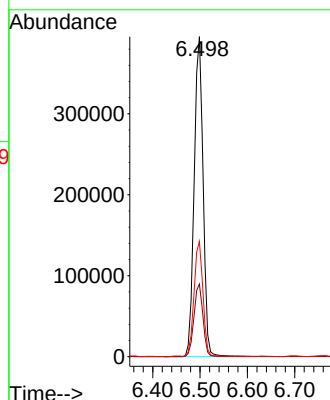
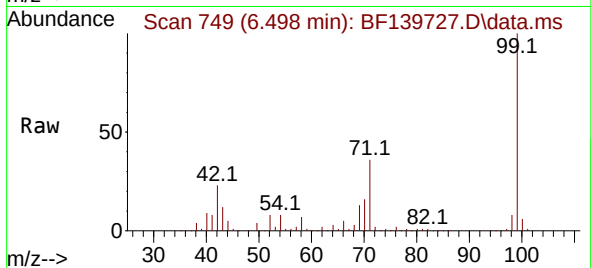
Tgt Ion: 99 Resp: 520234

Ion Ratio Lower Upper

99 100

42 22.7 19.1 28.7

71 36.0 29.7 44.5



#18

Hexachloroethane

Concen: 2.338 ng

RT: 7.398 min Scan# 902

Delta R.T. 0.018 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

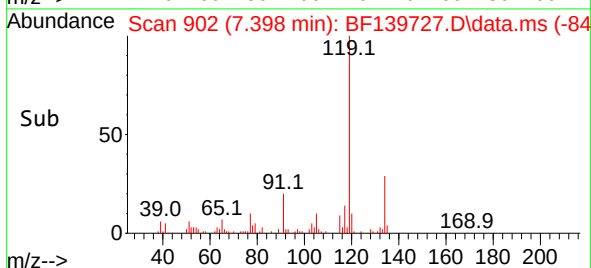
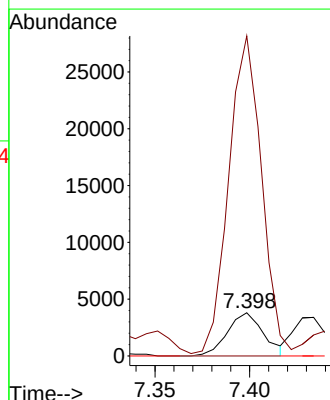
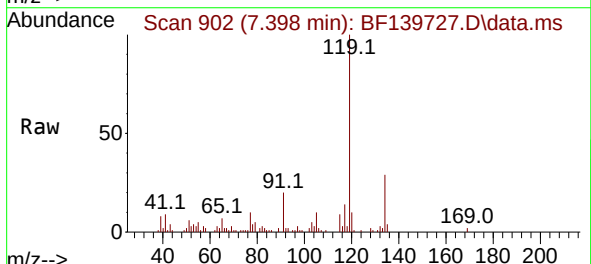
Tgt Ion: 117 Resp: 5039

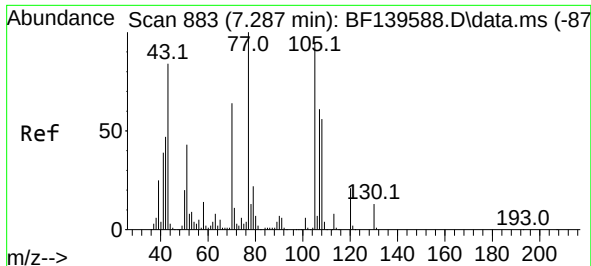
Ion Ratio Lower Upper

117 100

119 740.7 77.0 115.6#

201 0.0 79.2 118.8#

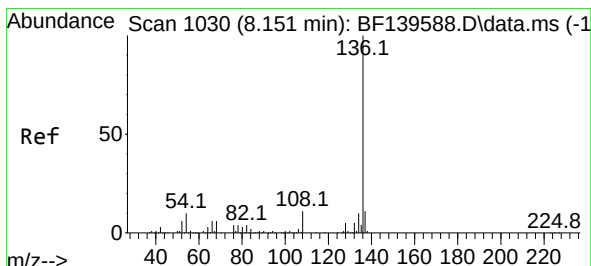
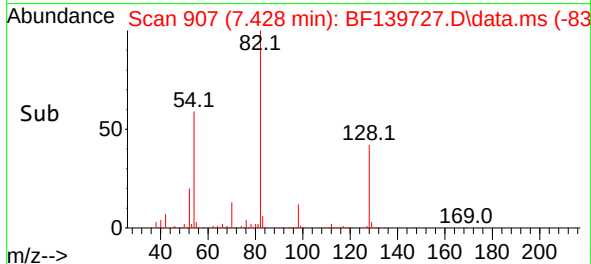
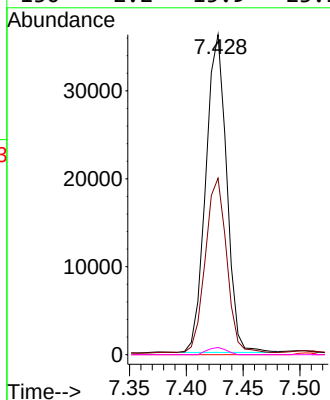
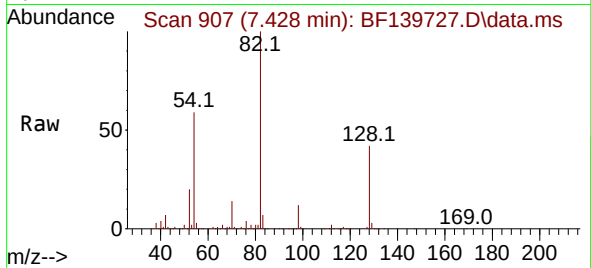




#19
n-Nitroso-di-n-propylamine
Concen: 11.273 ng
RT: 7.428 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

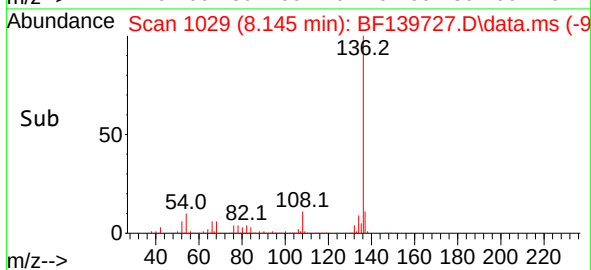
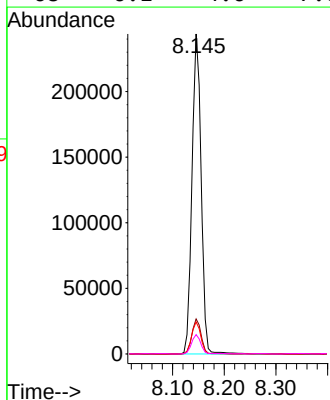
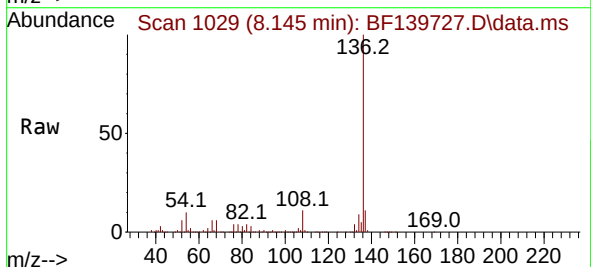
Instrument :
BNA_F
ClientSampleId :
IB-6

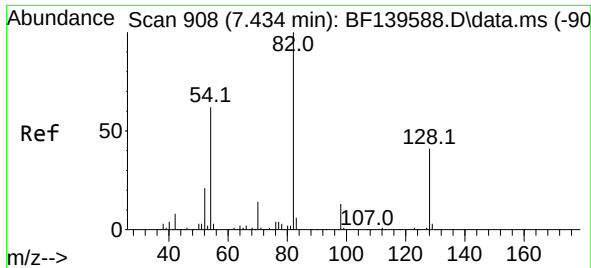
Tgt Ion: 70 Resp: 46146
Ion Ratio Lower Upper
70 100
42 55.2 58.0 87.0#
101 0.0 7.8 11.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

Tgt Ion: 136 Resp: 300501
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.0 8.3 12.5
68 6.1 4.6 7.0

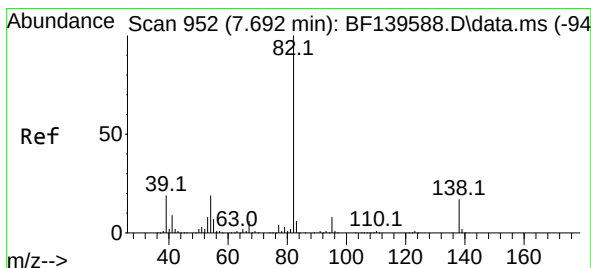
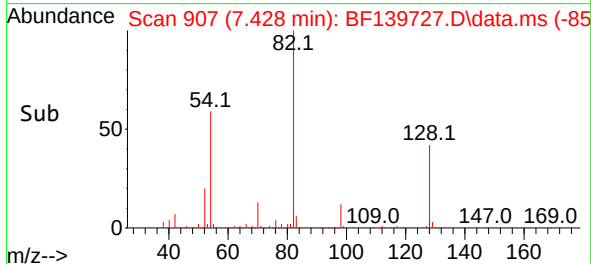
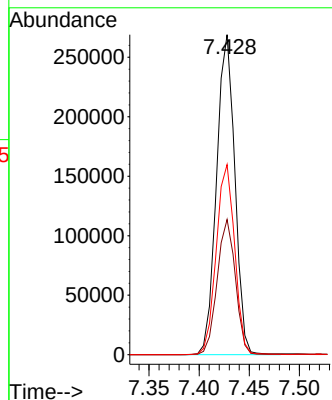
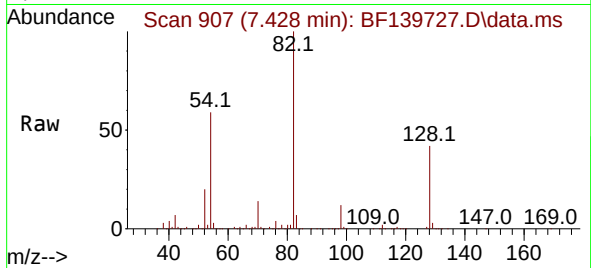




#23
Nitrobenzene-d5
Concen: 57.436 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

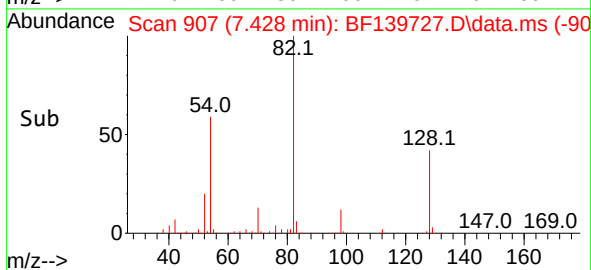
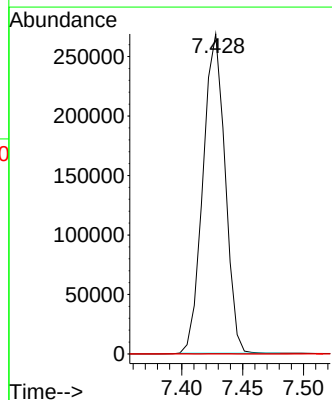
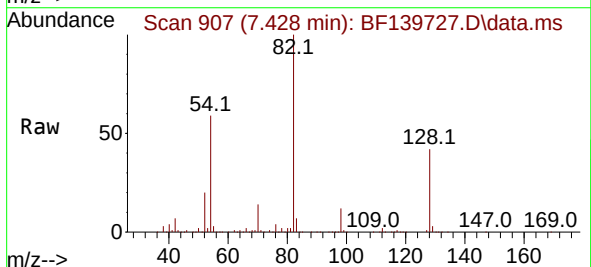
Instrument :
BNA_F
ClientSampleId :
IB-6

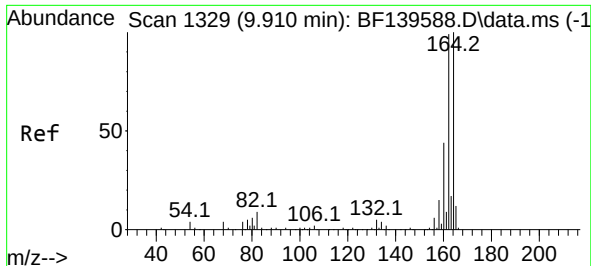
Tgt Ion: 82 Resp: 340896
Ion Ratio Lower Upper
82 100
128 42.3 32.4 48.6
54 59.4 49.1 73.7



#25
Isophorone
Concen: 32.002 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.265 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

Tgt Ion: 82 Resp: 337355
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 13.4 20.2#

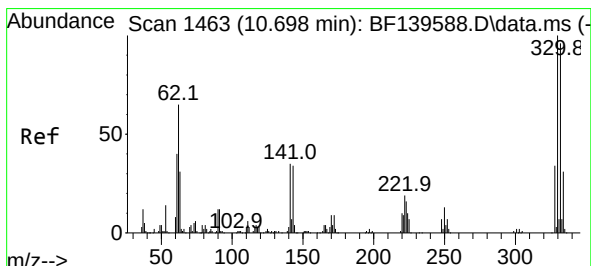
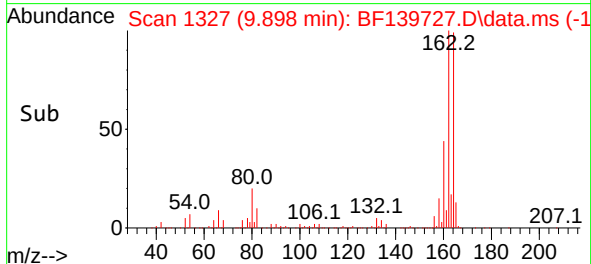
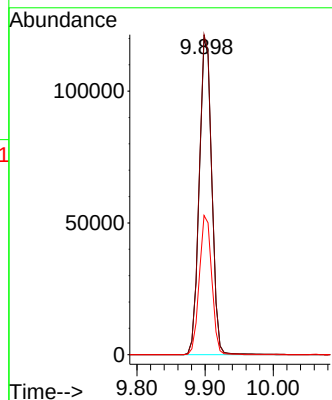
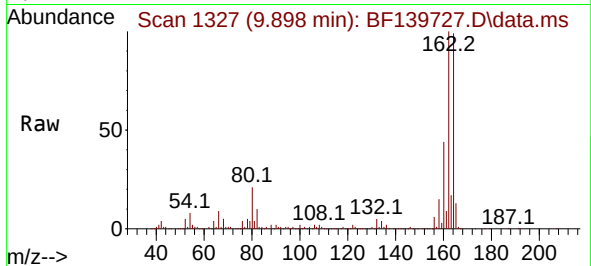




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

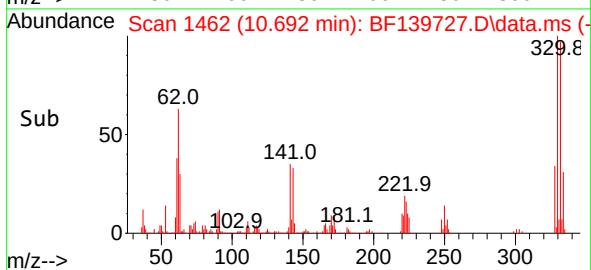
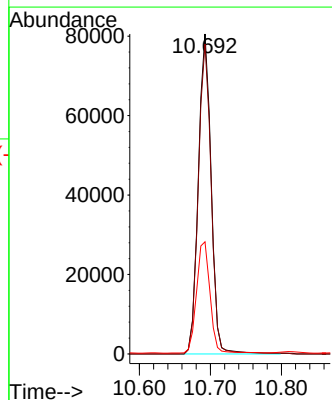
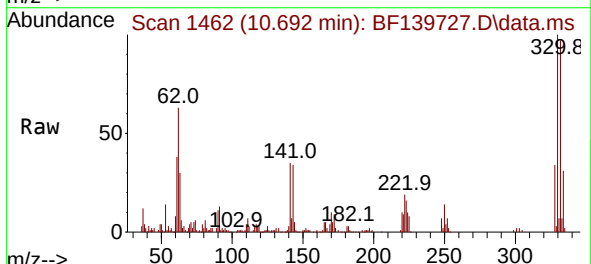
Instrument :
BNA_F
ClientSampleId :
IB-6

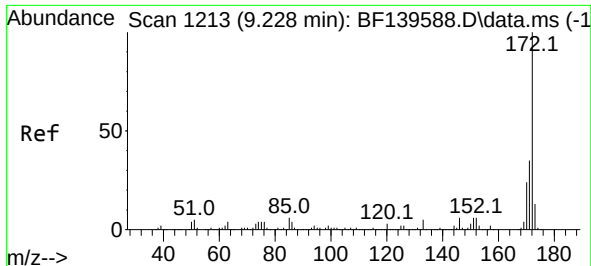
Tgt Ion:164 Resp: 153028
Ion Ratio Lower Upper
164 100
162 101.3 79.4 119.0
160 44.1 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 68.661 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

Tgt Ion:330 Resp: 101428
Ion Ratio Lower Upper
330 100
332 96.9 76.5 114.7
141 36.8 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 55.204 ng

RT: 9.222 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Instrument :

BNA_F

ClientSampleId :

IB-6

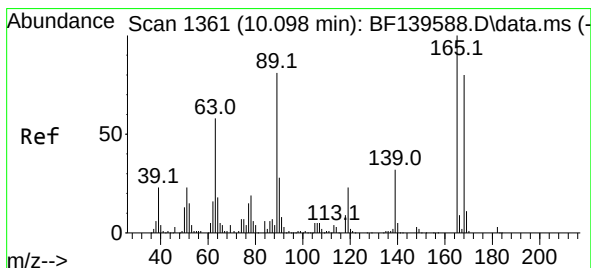
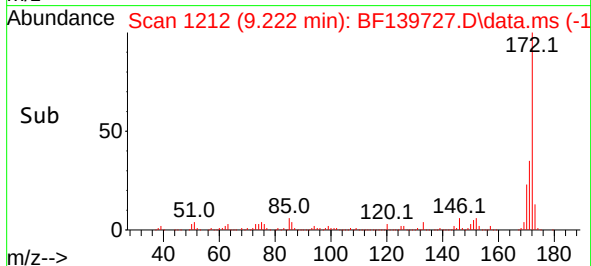
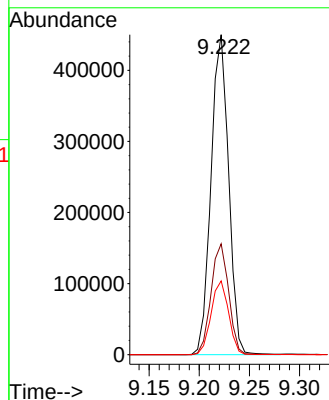
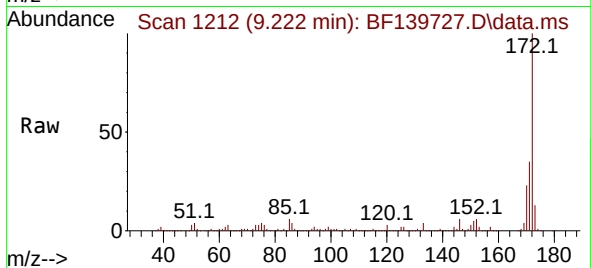
Tgt Ion:172 Resp: 550275

Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.4

170 23.1 18.8 28.2



#57

2,4-Dinitrotoluene

Concen: 7.062 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.200 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Tgt Ion:165 Resp: 20889

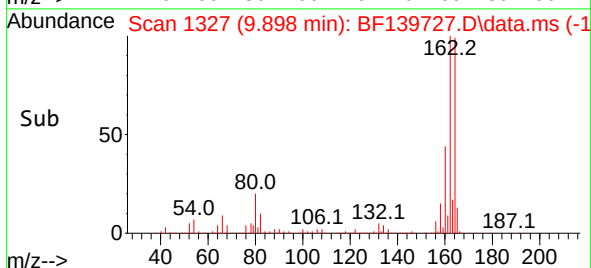
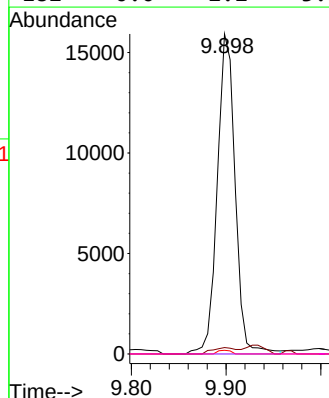
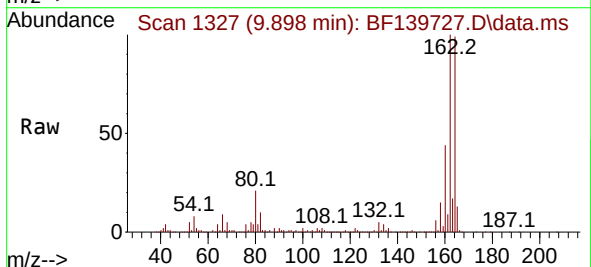
Ion Ratio Lower Upper

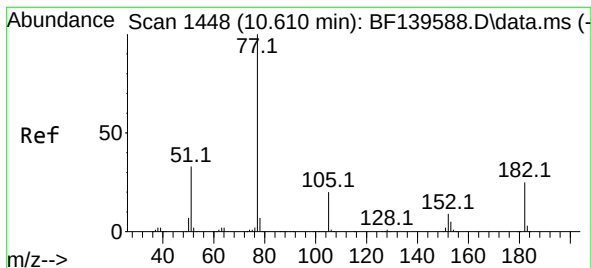
165 100

63 2.0 46.9 70.3#

89 1.2 64.4 96.6#

182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 8.005 ng

RT: 10.616 min Scan# 1448

Delta R.T. 0.006 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Instrument :

BNA_F

ClientSampleId :

IB-6

Tgt Ion: 77 Resp: 83299

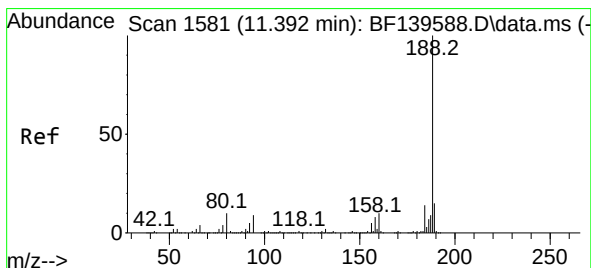
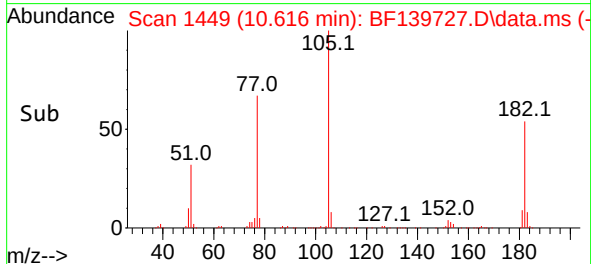
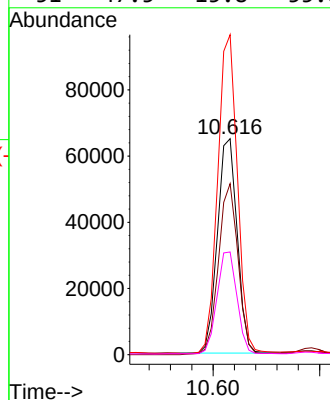
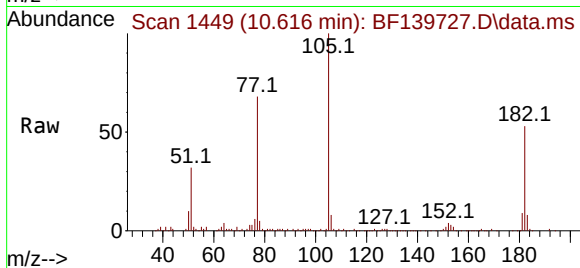
Ion Ratio Lower Upper

77 100

182 79.2 4.2 44.2#

105 148.1 0.0 39.6#

51 47.5 15.8 55.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

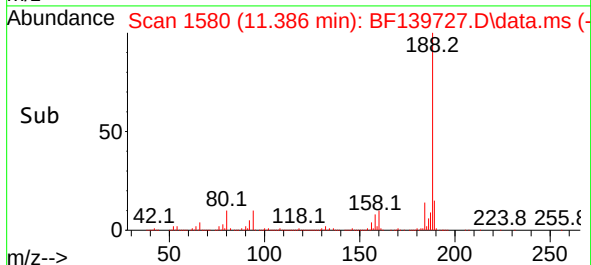
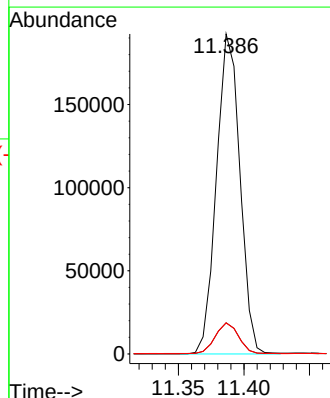
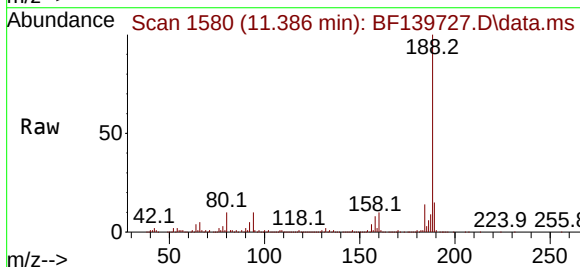
Tgt Ion:188 Resp: 239587

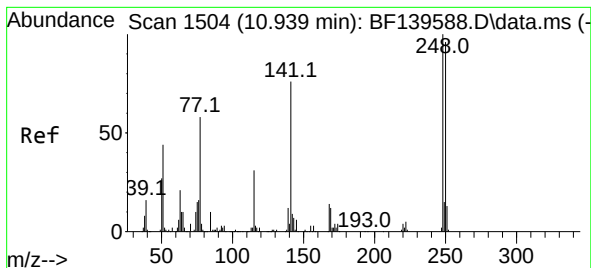
Ion Ratio Lower Upper

188 100

94 9.8 7.4 11.2

80 9.7 8.2 12.2

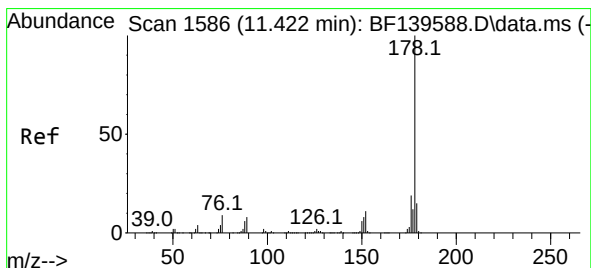
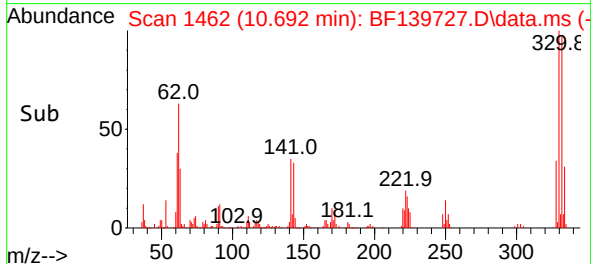
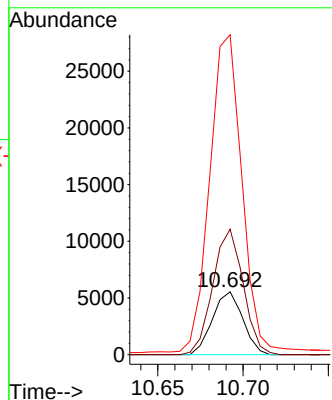
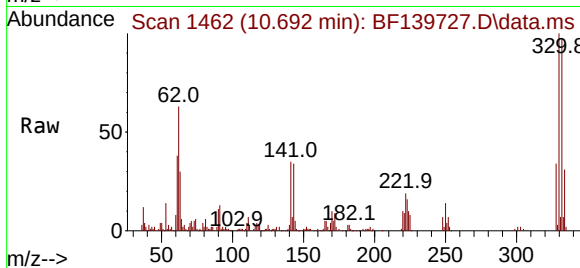




#67
4-Bromophenyl-phenylether
Concen: 2.789 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

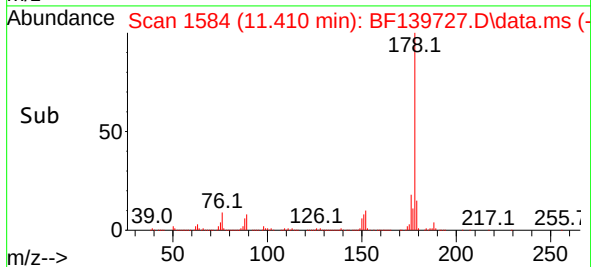
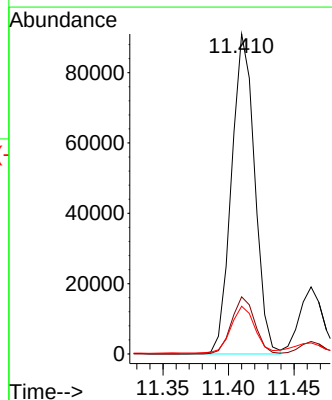
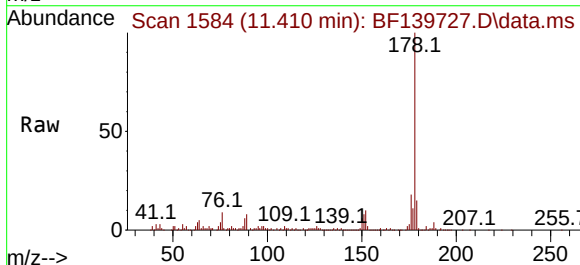
Instrument :
BNA_F
ClientSampleId :
IB-6

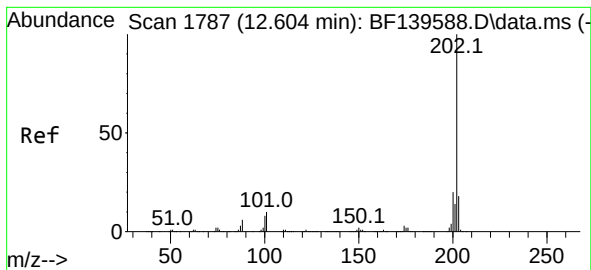
Tgt Ion:248 Resp: 6852
Ion Ratio Lower Upper
248 100
250 199.6 77.1 115.7#
141 509.5 60.4 90.6#



#71
Phenanthrene
Concen: 9.910 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

Tgt Ion:178 Resp: 111951
Ion Ratio Lower Upper
178 100
176 17.8 15.5 23.3
179 14.9 12.3 18.5





#75

Fluoranthene

Concen: 15.991 ng

RT: 12.604 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Instrument :

BNA_F

ClientSampleId :

IB-6

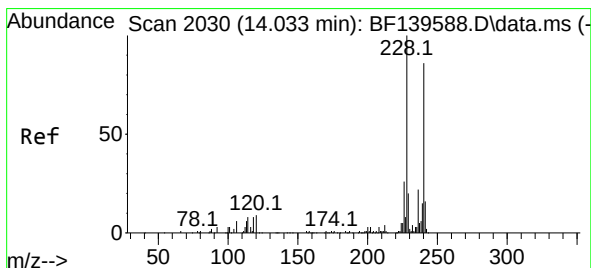
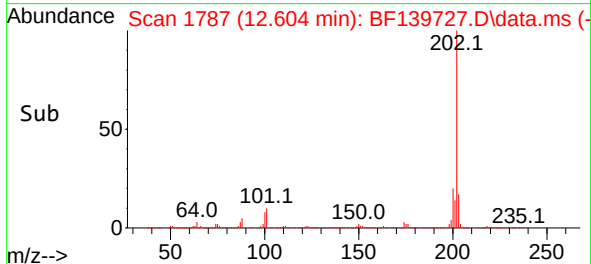
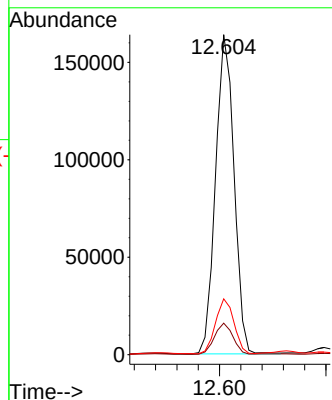
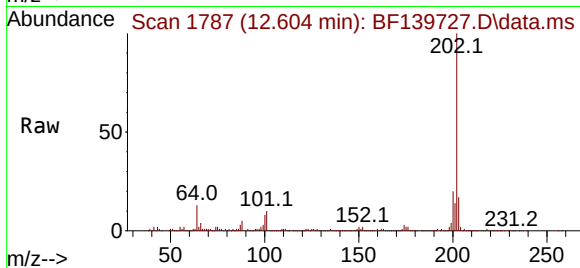
Tgt Ion:202 Resp: 197472

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.2

203 17.4 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

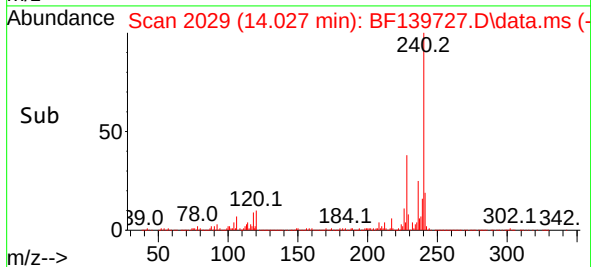
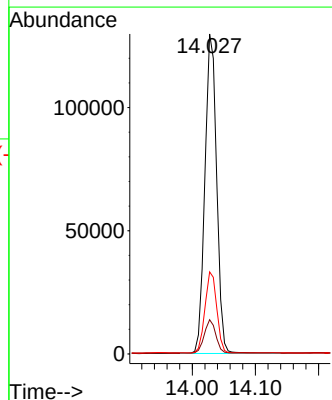
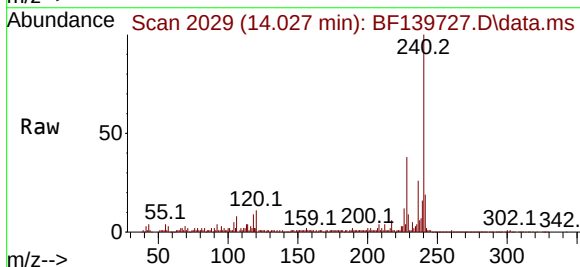
Tgt Ion:240 Resp: 168159

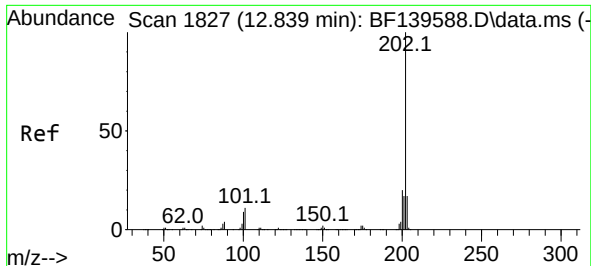
Ion Ratio Lower Upper

240 100

120 10.7 8.4 12.6

236 25.6 20.3 30.5

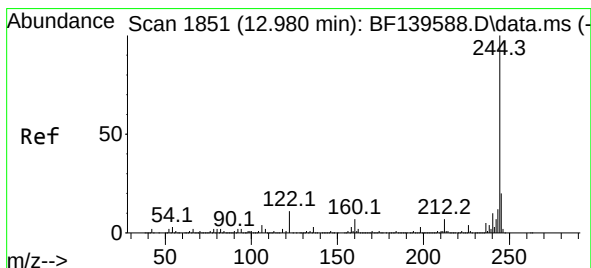
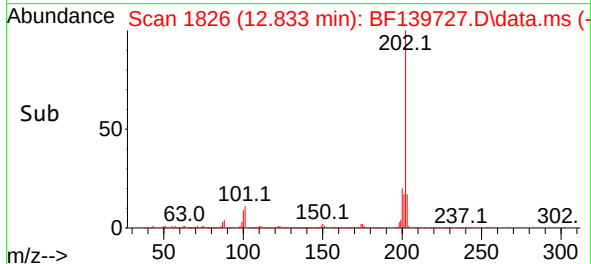
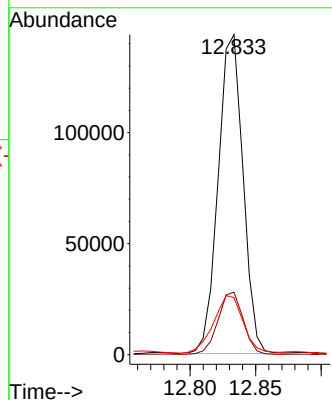
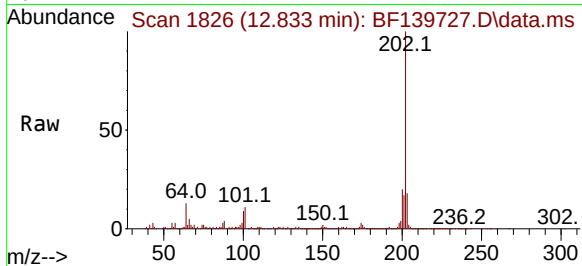




#78
Pyrene
Concen: 12.578 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

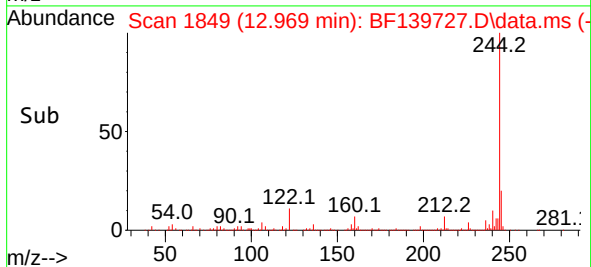
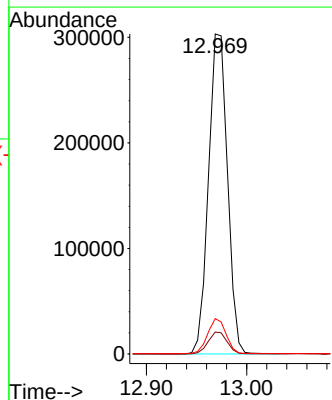
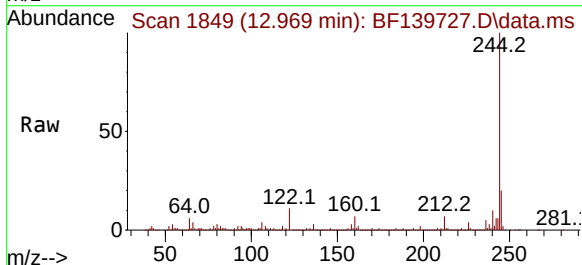
Instrument :
BNA_F
ClientSampleId :
IB-6

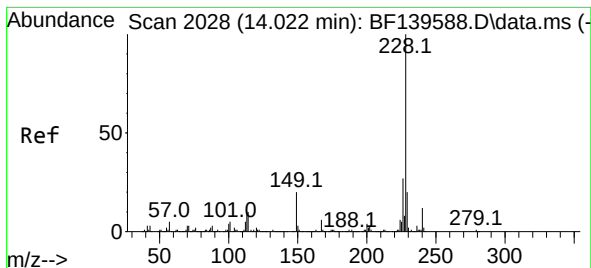
Tgt Ion:202 Resp: 189172
Ion Ratio Lower Upper
202 100
200 19.6 15.8 23.6
203 17.9 13.8 20.8



#79
Terphenyl-d14
Concen: 38.868 ng
RT: 12.969 min Scan# 1849
Delta R.T. -0.011 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

Tgt Ion:244 Resp: 398337
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 11.1 8.6 12.8





#81

Benzo(a)anthracene

Concen: 9.975 ng

RT: 14.022 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Instrument :

BNA_F

ClientSampleId :

IB-6

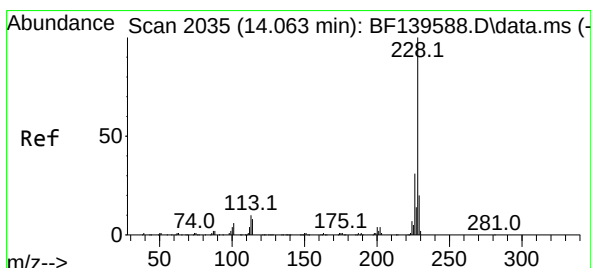
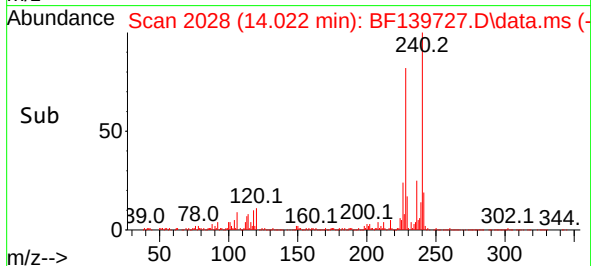
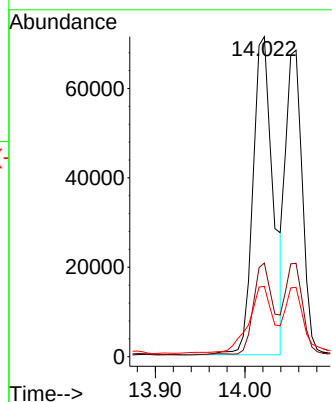
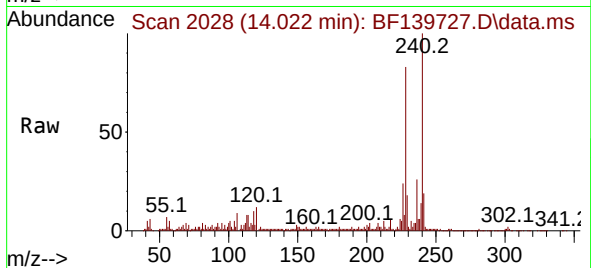
Tgt Ion:228 Resp: 110277

Ion Ratio Lower Upper

228 100

226 29.3 21.8 32.8

229 22.0 15.8 23.8



#83

Chrysene

Concen: 8.632 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

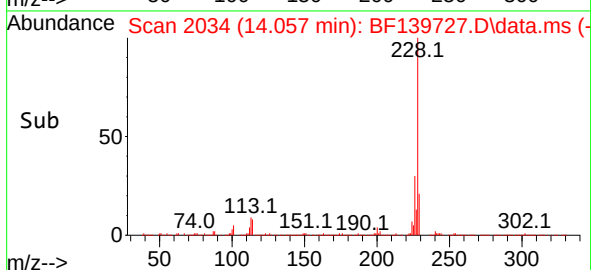
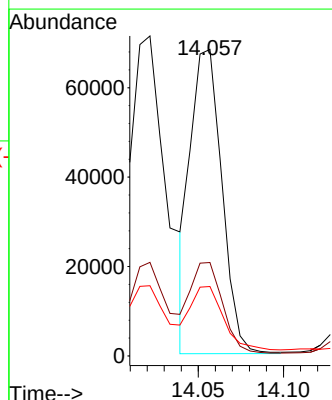
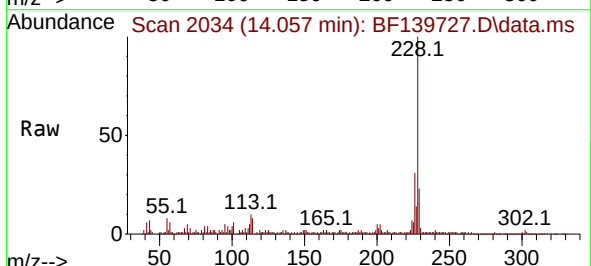
Tgt Ion:228 Resp: 87250

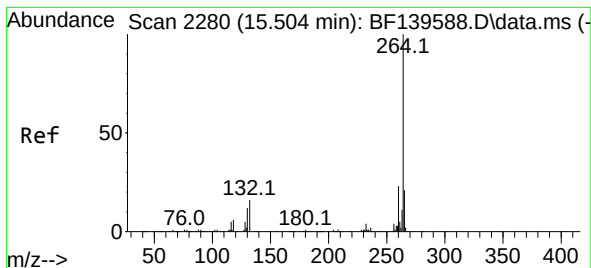
Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

229 22.7 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Instrument :

BNA_F

ClientSampleId :

IB-6

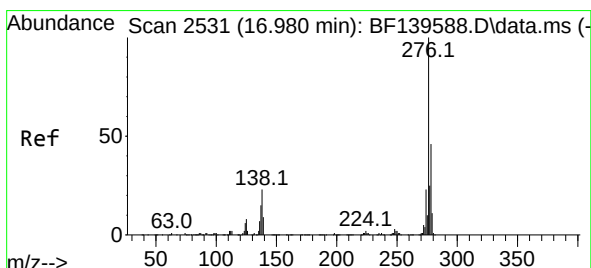
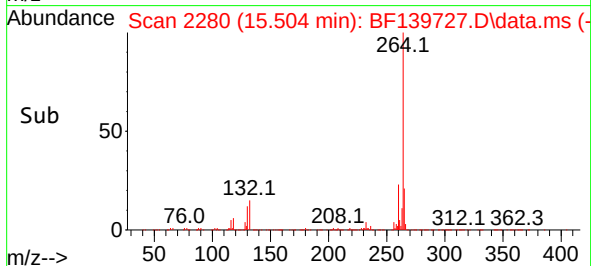
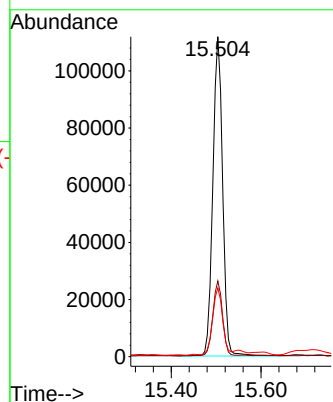
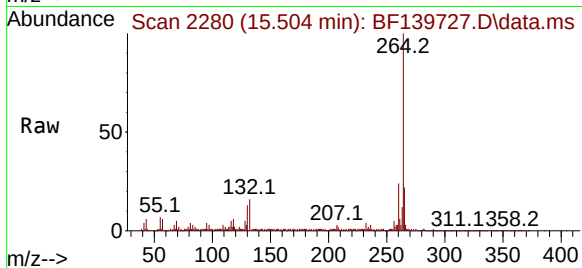
Tgt Ion:264 Resp: 169190

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: 3.668 ng

RT: 16.974 min Scan# 2530

Delta R.T. -0.006 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

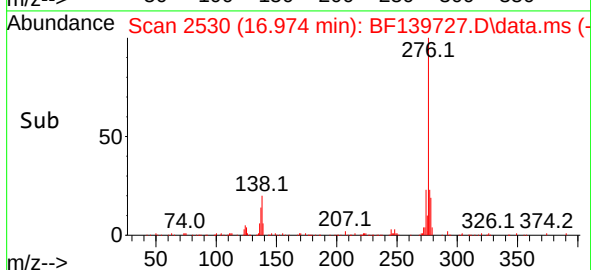
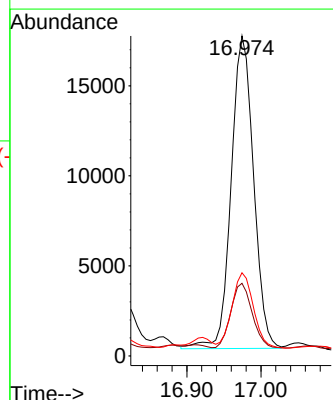
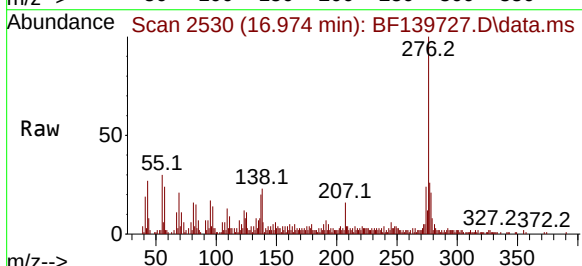
Tgt Ion:276 Resp: 36529

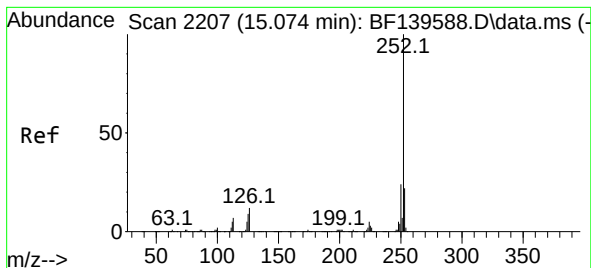
Ion Ratio Lower Upper

276 100

138 19.6 19.4 29.0

277 22.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 14.705 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.000 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Instrument :

BNA_F

ClientSampleId :

IB-6

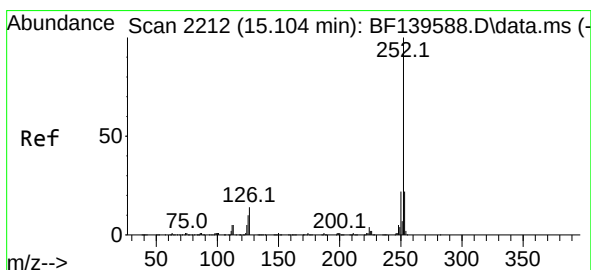
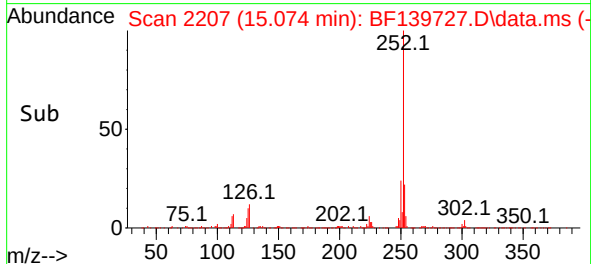
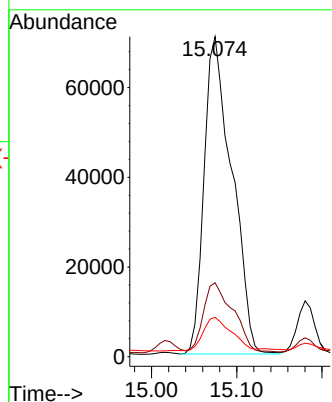
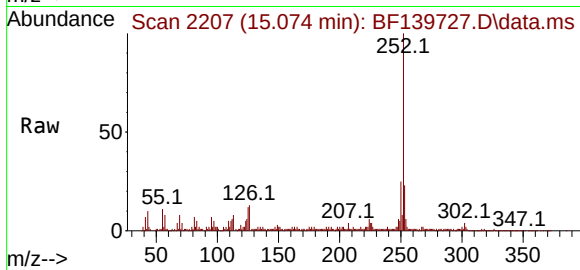
Tgt Ion:252 Resp: 160863

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 12.3 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 17.335 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.029 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

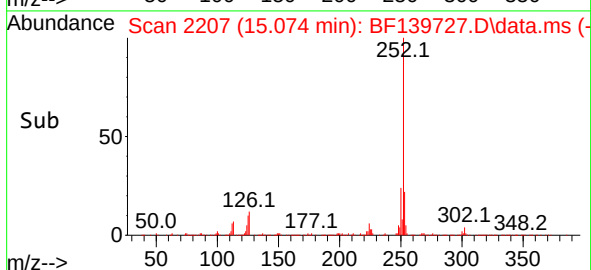
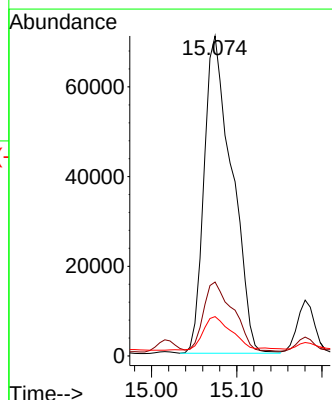
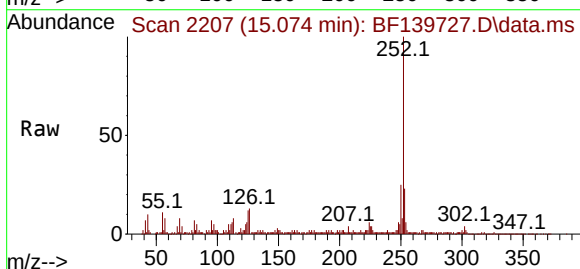
Tgt Ion:252 Resp: 160863

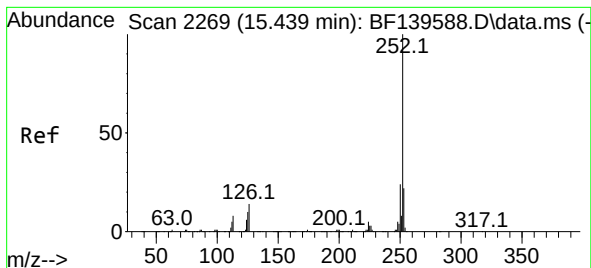
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 12.3 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 9.939 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Instrument :

BNA_F

ClientSampleId :

IB-6

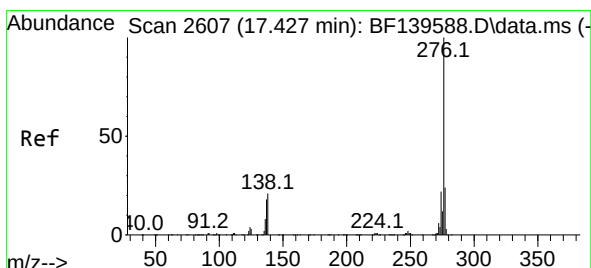
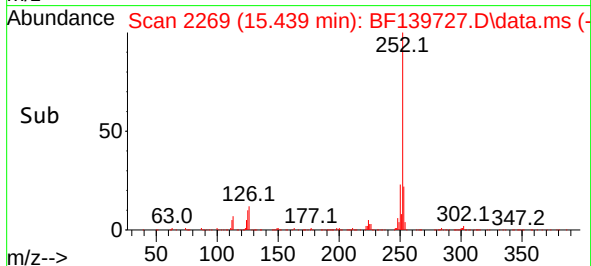
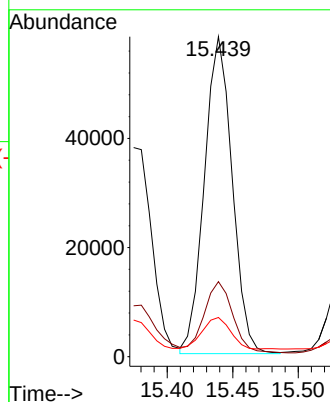
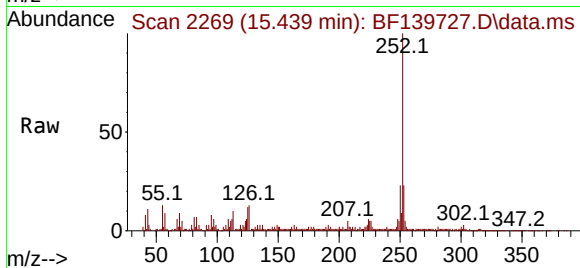
Tgt Ion:252 Resp: 85729

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 12.3 8.3 12.5



#92

Benzo(g,h,i)perylene

Concen: 3.977 ng

RT: 17.421 min Scan# 2606

Delta R.T. -0.006 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Tgt Ion:276 Resp: 32947

Ion Ratio Lower Upper

276 100

277 26.8 19.0 28.6

138 25.1 17.0 25.6

