

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
 Data File : BF139044.D
 Acq On : 16 Aug 2024 02:19
 Operator : RC/JU
 Sample : P3597-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-COMP

Quant Time: Aug 16 02:55:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

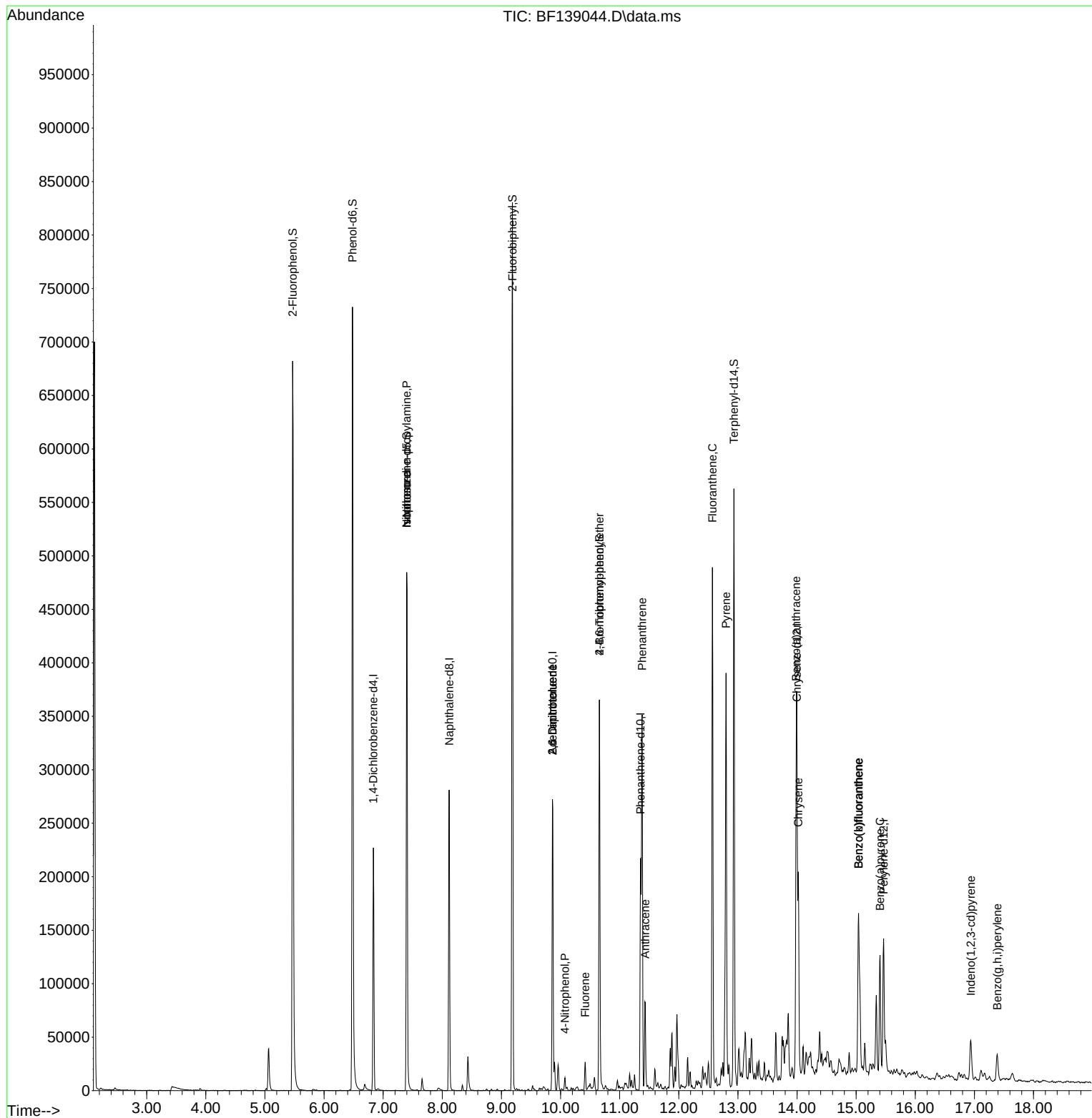
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	41768	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	163256	20.000	ng	-0.01
39) Acenaphthene-d10	9.863	164	79178	20.000	ng	-0.02
64) Phenanthrene-d10	11.351	188	110029	20.000	ng	-0.02
76) Chrysene-d12	13.998	240	80875	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	69878	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	234337	86.606	ng	0.00
7) Phenol-d6	6.481	99	314484	86.568	ng	0.00
23) Nitrobenzene-d5	7.398	82	207538	62.153	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	48193	74.306	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	333563	63.298	ng	-0.02
79) Terphenyl-d14	12.933	244	243293	50.366	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	28524	13.000	ng	# 82
25) Isophorone	7.398	82	207562	36.403	ng	# 66
51) 2,6-Dinitrotoluene	9.863	165	10630	9.304	ng	# 19
56) 4-Nitrophenol	10.075	139	2799	3.941	ng	# 1
57) 2,4-Dinitrotoluene	9.863	165	10630	7.292	ng	# 16
58) Fluorene	10.416	166	10632	2.151	ng	97
67) 4-Bromophenyl-phenylether	10.657	248	3643	3.058	ng	# 1
71) Phenanthrene	11.380	178	185485	32.739	ng	100
72) Anthracene	11.433	178	48514	8.692	ng	99
75) Fluoranthene	12.569	202	259055	48.978	ng	98
78) Pyrene	12.798	202	213002	27.973	ng	99
81) Benzo(a)anthracene	13.986	228	124730	22.396	ng	98
83) Chrysene	14.021	228	89272	17.767	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	27099	5.411	ng	# 93
88) Benzo(b)fluoranthene	15.039	252	123743	28.567	ng	99
89) Benzo(k)fluoranthene	15.039	252	123743	32.994	ng	99
90) Benzo(a)pyrene	15.404	252	62946	17.276	ng	98
92) Benzo(g,h,i)perylene	17.386	276	22098	5.180	ng	# 91

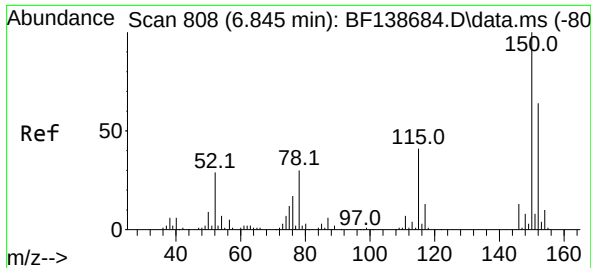
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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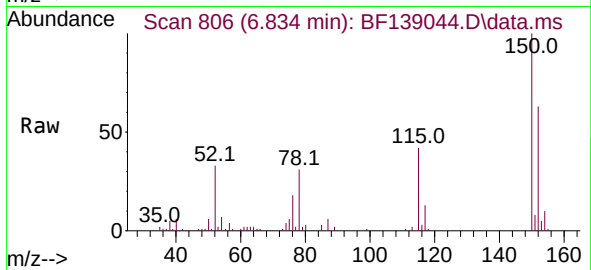
Quant Time: Aug 16 02:55:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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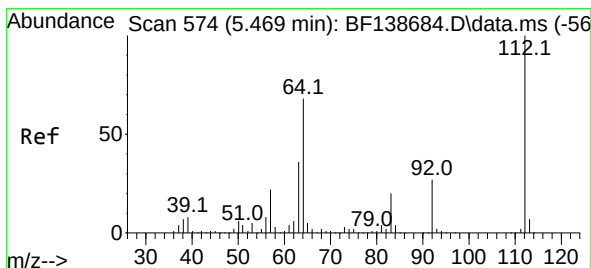
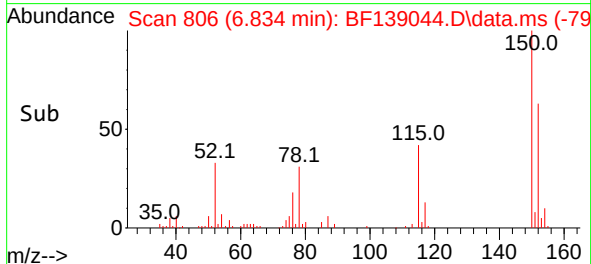
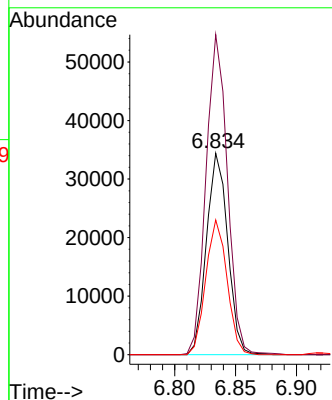


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

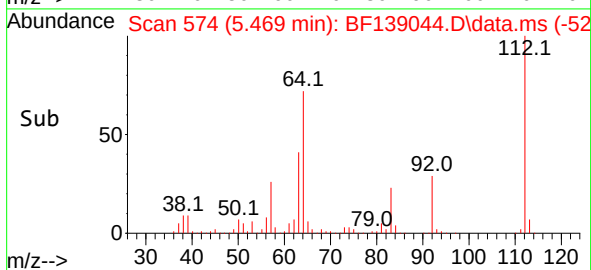
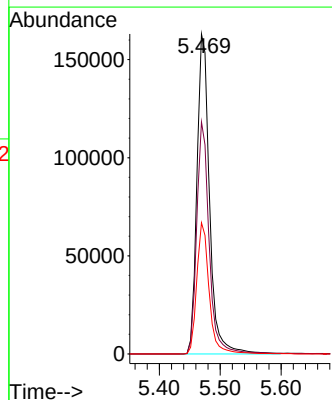
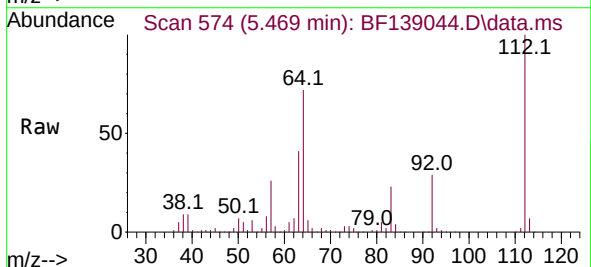


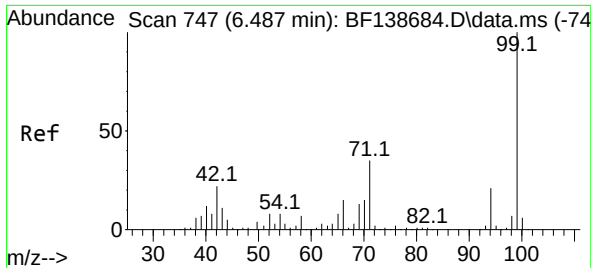
Tgt Ion:152 Resp: 41768
Ion Ratio Lower Upper
152 100
150 158.9 126.0 189.0
115 66.9 51.7 77.5



#5
2-Fluorophenol
Concen: 86.606 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Tgt Ion:112 Resp: 234337
Ion Ratio Lower Upper
112 100
64 72.5 54.2 81.4
63 41.0 28.7 43.1

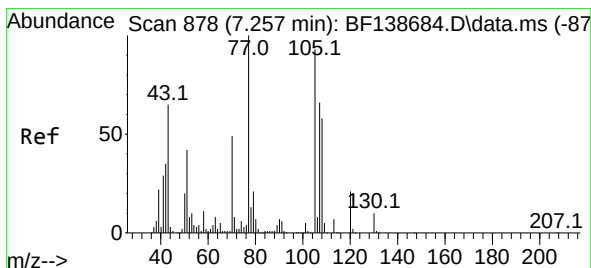
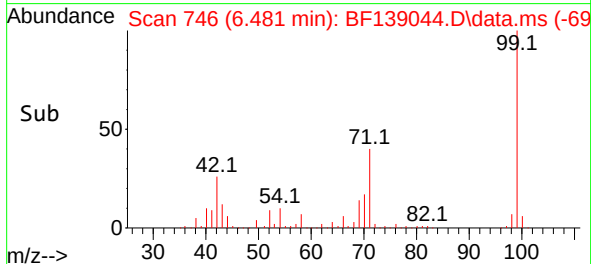
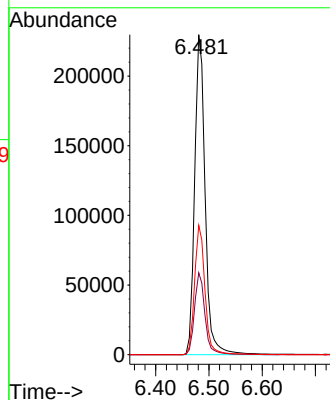
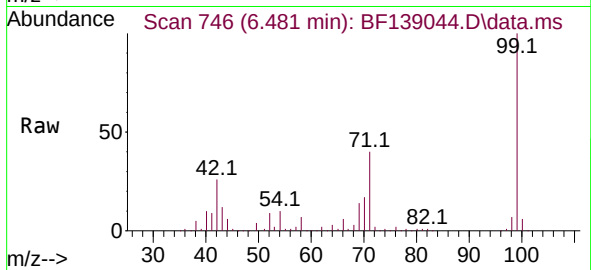




#7
Phenol-d6
Concen: 86.568 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

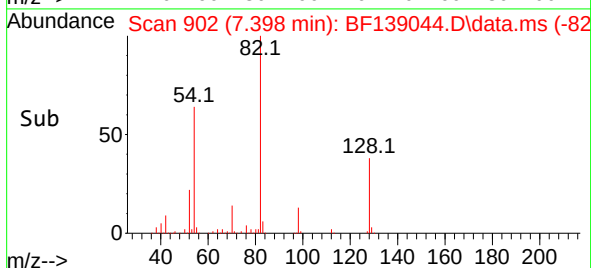
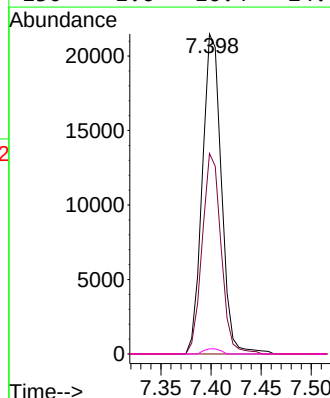
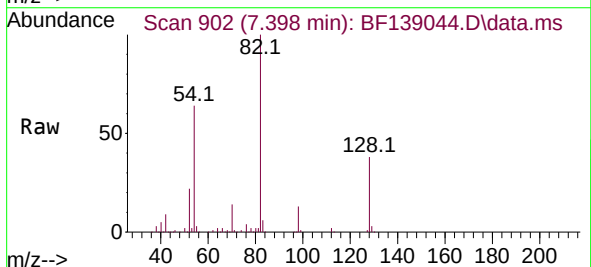
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

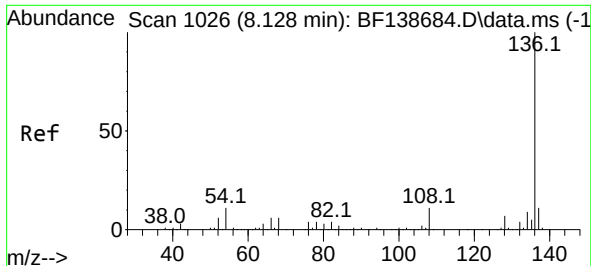
Tgt Ion: 99 Resp: 314484
Ion Ratio Lower Upper
99 100
42 25.6 17.4 26.0
71 40.4 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 13.000 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

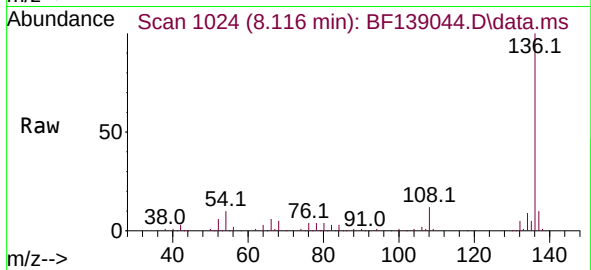
Tgt Ion: 70 Resp: 28524
Ion Ratio Lower Upper
70 100
42 62.7 57.4 86.0
101 0.0 7.5 11.3#
130 1.6 16.4 24.6#



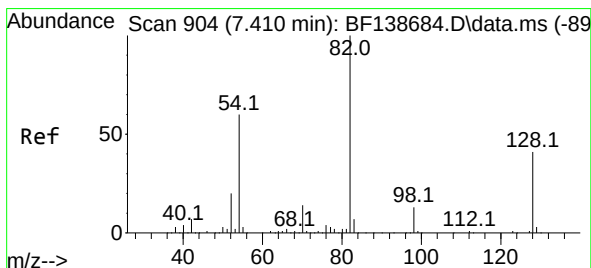
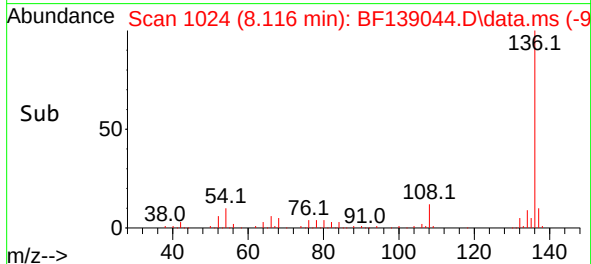
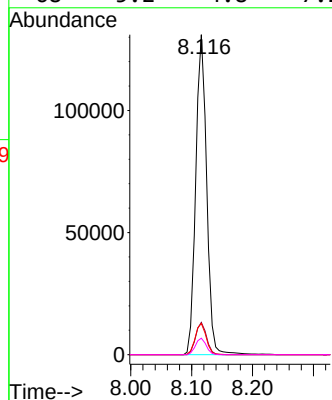


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

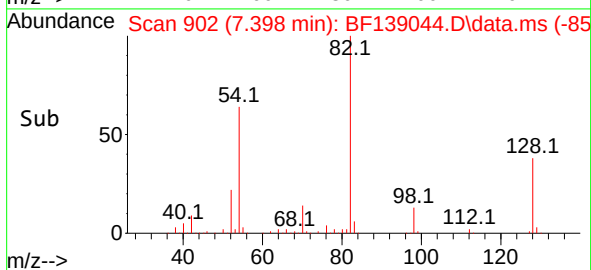
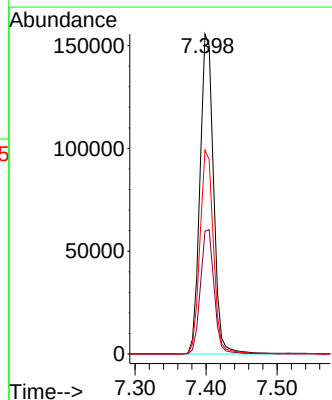
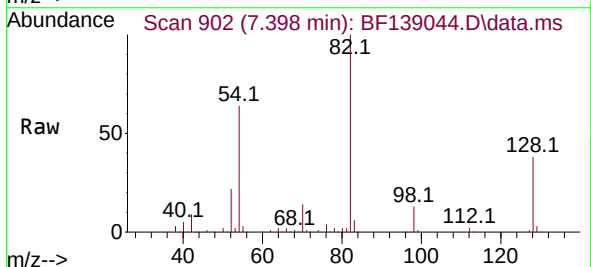


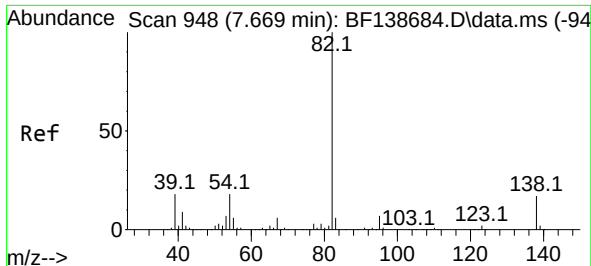
Tgt Ion:136 Resp: 163256
Ion Ratio Lower Upper
136 100
137 10.1 8.9 13.3
54 9.7 8.6 12.8
68 5.2 4.8 7.2



#23
Nitrobenzene-d5
Concen: 62.153 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Tgt Ion: 82 Resp: 207538
Ion Ratio Lower Upper
82 100
128 38.4 32.8 49.2
54 63.7 48.3 72.5

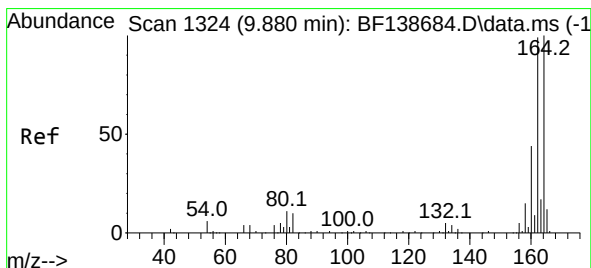
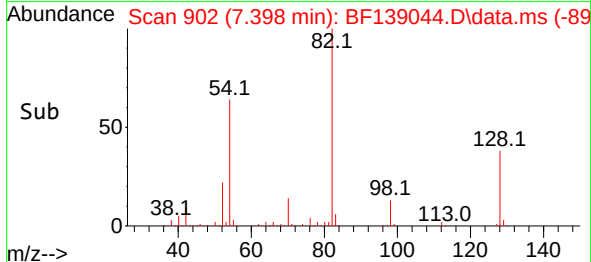
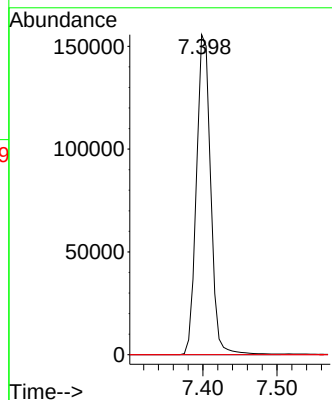
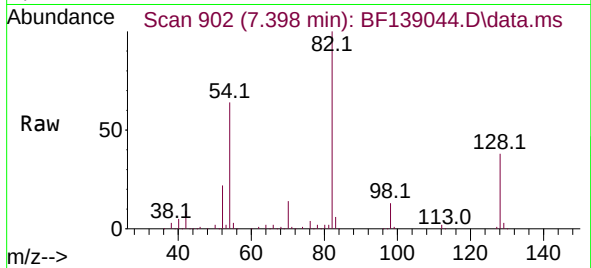




#25
Isophorone
Concen: 36.403 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

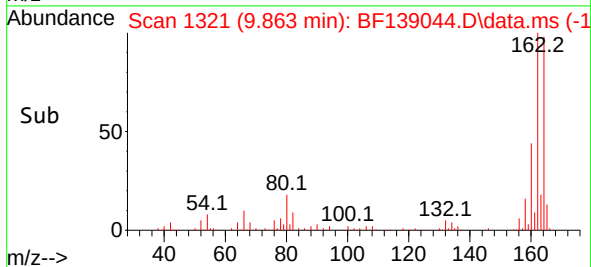
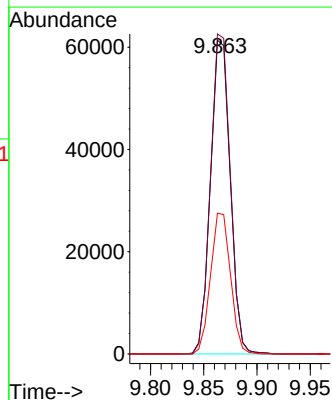
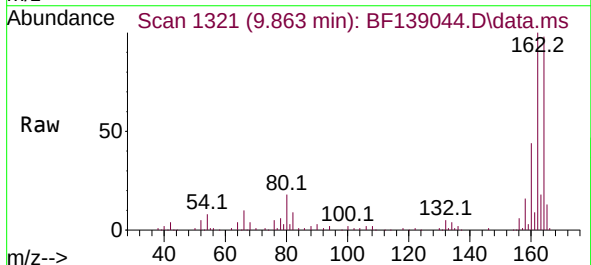
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

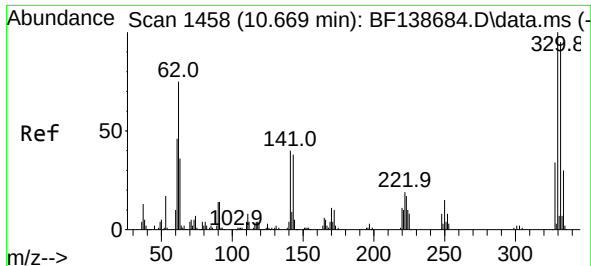
Tgt Ion: 82 Resp: 207562
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.017 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Tgt Ion:164 Resp: 79178
Ion Ratio Lower Upper
164 100
162 102.0 79.4 119.0
160 44.9 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 74.306 ng

RT: 10.657 min Scan# 1458

Delta R.T. -0.012 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

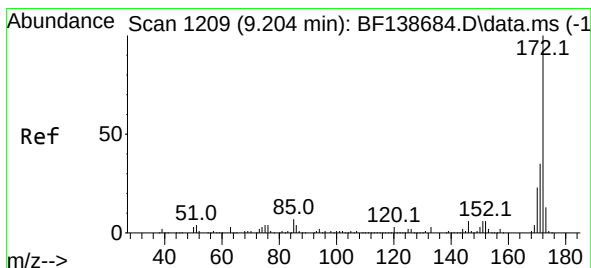
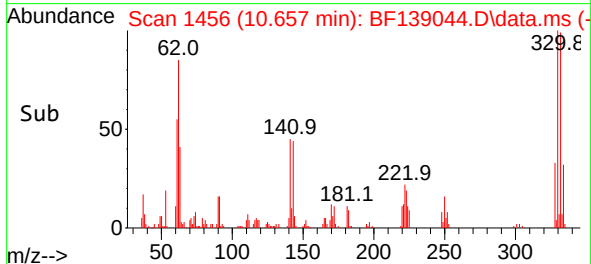
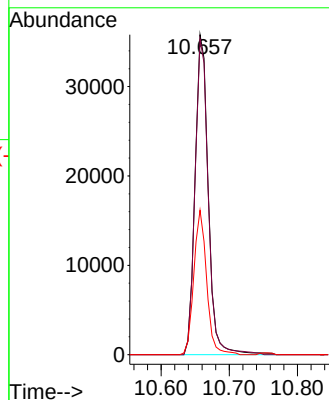
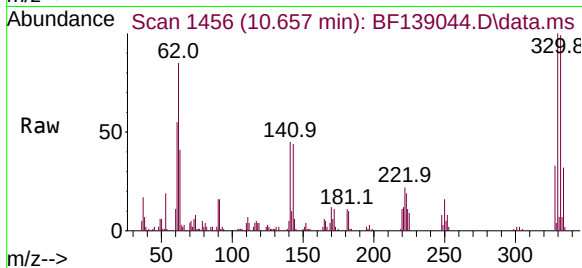
Tgt Ion:330 Resp: 48193

Ion Ratio Lower Upper

330 100

332 98.5 76.4 114.6

141 43.7 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 63.298 ng

RT: 9.186 min Scan# 1206

Delta R.T. -0.018 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

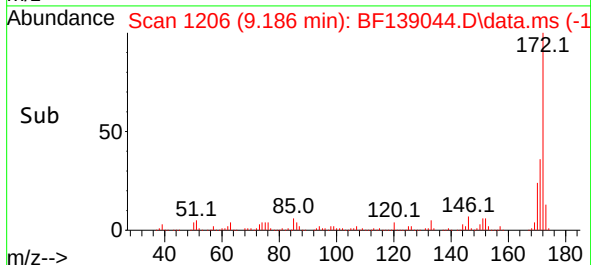
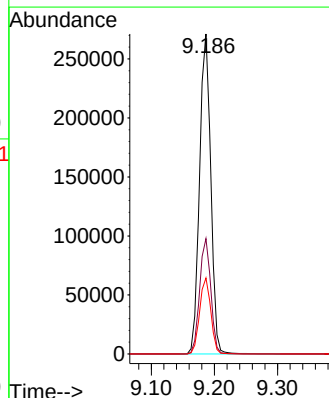
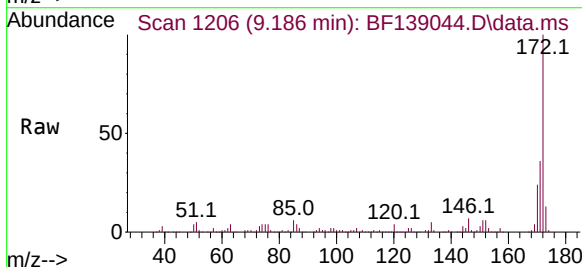
Tgt Ion:172 Resp: 333563

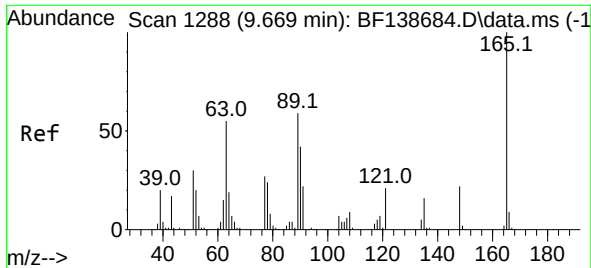
Ion Ratio Lower Upper

172 100

171 36.1 28.3 42.5

170 23.8 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.304 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.194 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

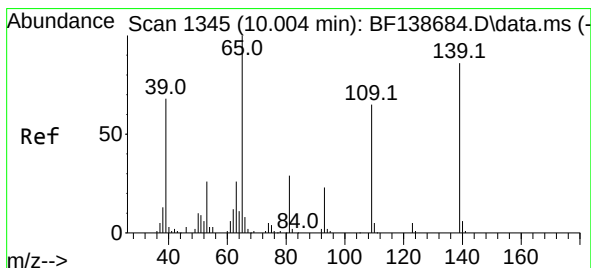
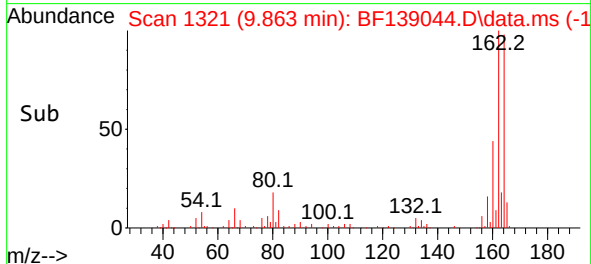
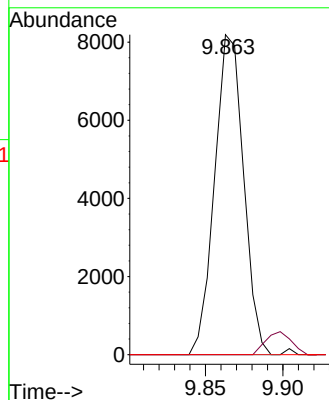
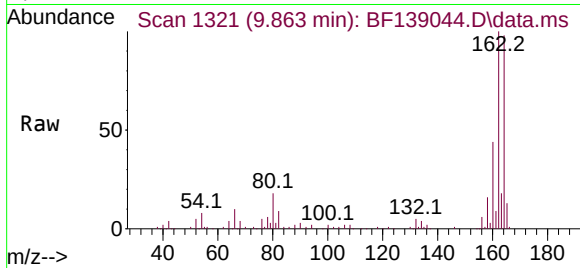
Tgt Ion:165 Resp: 10630

Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

89 0.0 47.0 70.6#



#56

4-Nitrophenol

Concen: 3.941 ng

RT: 10.075 min Scan# 1357

Delta R.T. 0.071 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

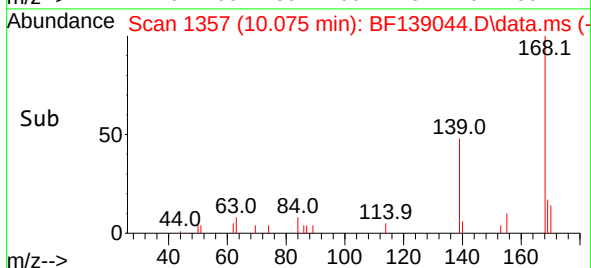
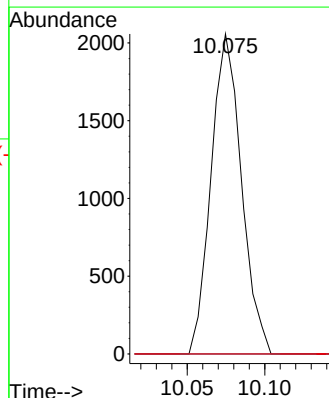
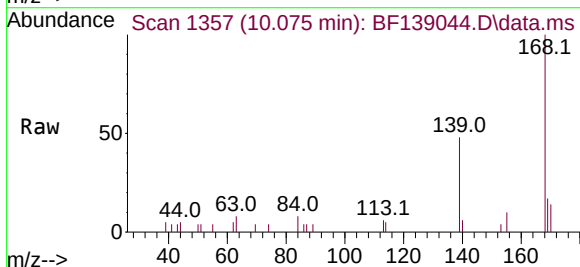
Tgt Ion:139 Resp: 2799

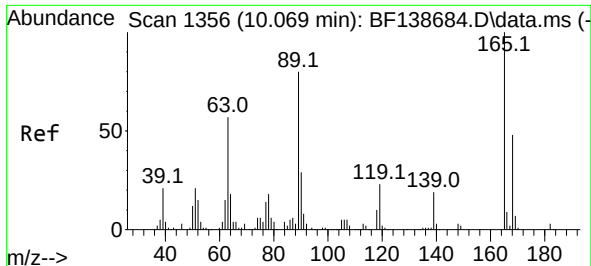
Ion Ratio Lower Upper

139 100

109 0.0 55.5 95.5#

65 0.0 96.7 136.7#

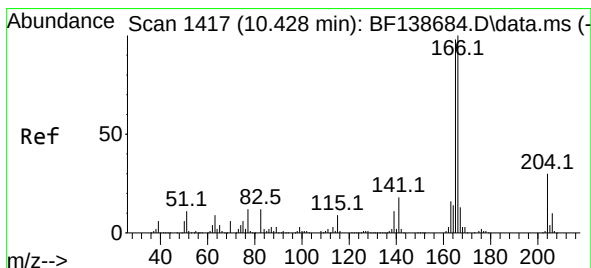
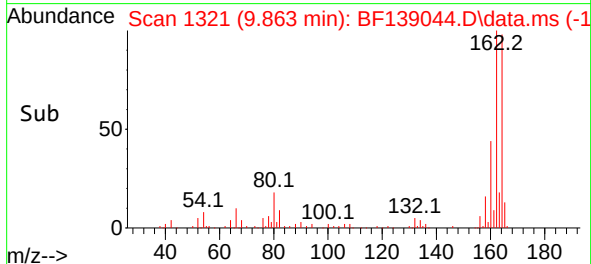
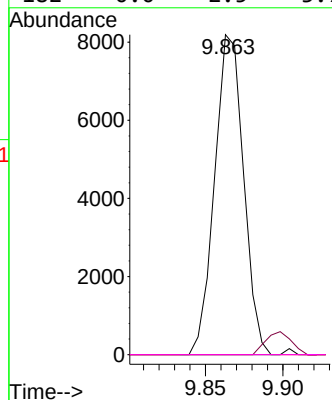
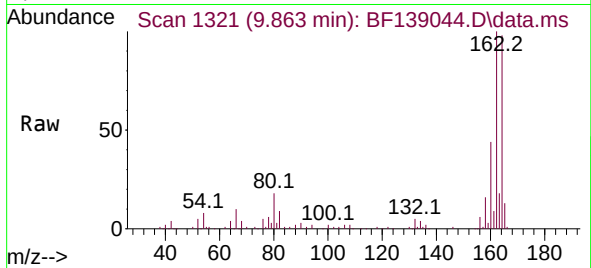




#57
2,4-Dinitrotoluene
Concen: 7.292 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

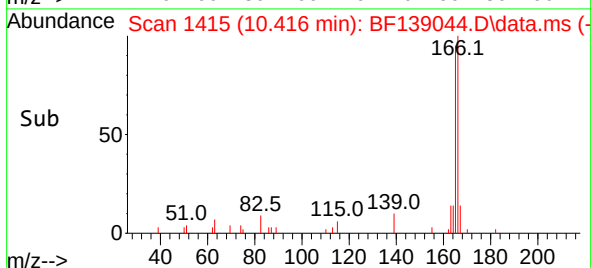
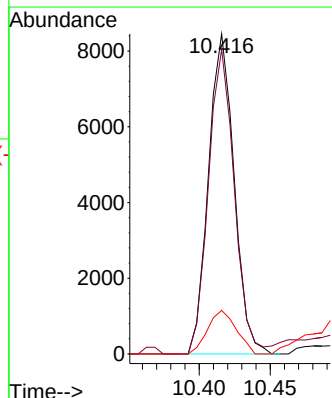
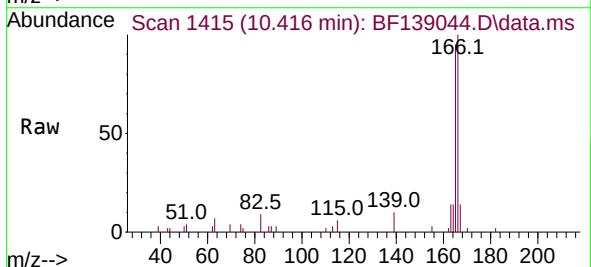
Instrument :
BNA_F
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SP-1-COMP

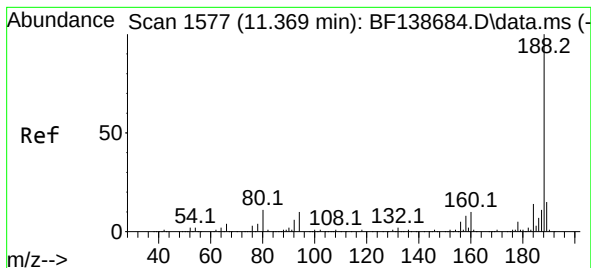
Tgt Ion:165	Resp:	10630
Ion Ratio	Lower	Upper
165	100	
63	0.0	46.3 69.5#
89	0.0	64.2 96.4#
182	0.0	2.5 3.7#



#58
Fluorene
Concen: 2.151 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Tgt Ion:166	Resp:	10632
Ion Ratio	Lower	Upper
166	100	
165	95.2	78.4 117.6
167	13.6	10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

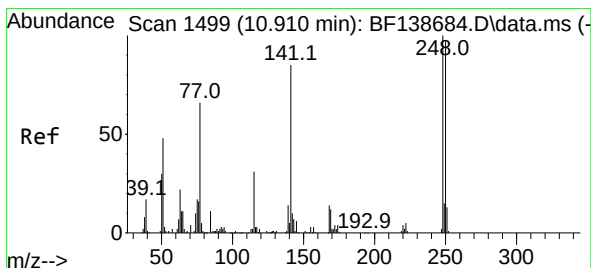
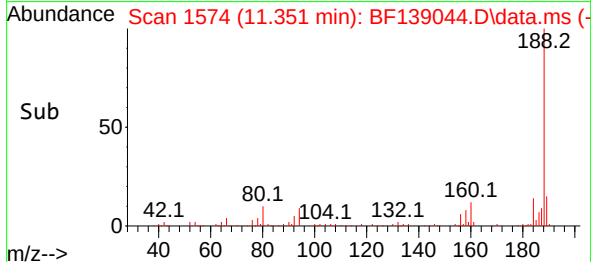
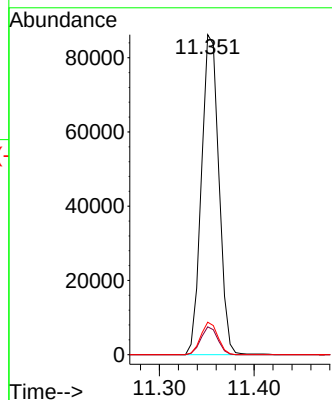
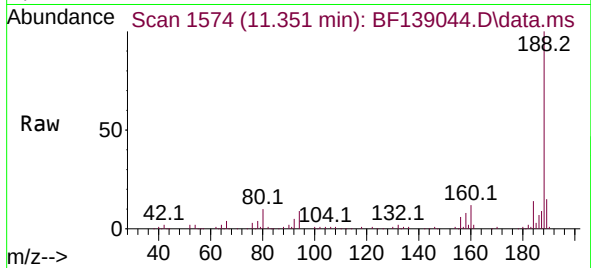
Tgt Ion:188 Resp: 110029

Ion Ratio Lower Upper

188 100

94 8.7 7.6 11.4

80 10.2 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 3.058 ng

RT: 10.657 min Scan# 1456

Delta R.T. -0.253 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

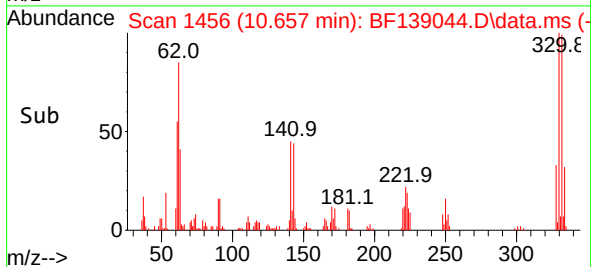
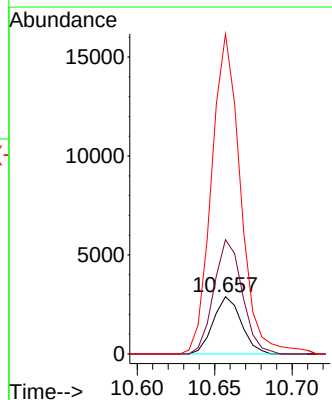
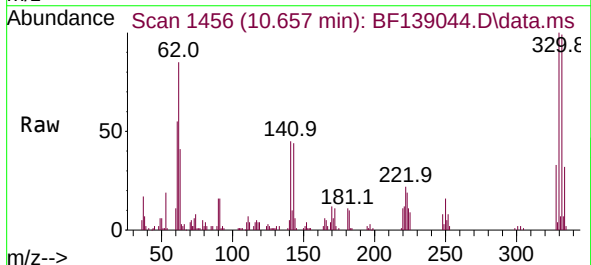
Tgt Ion:248 Resp: 3643

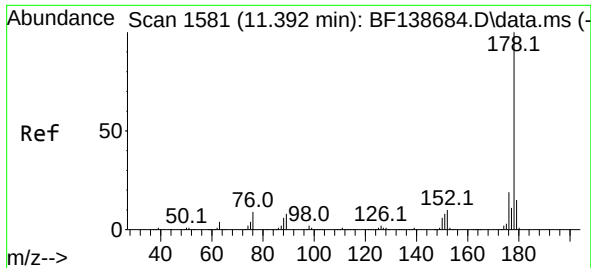
Ion Ratio Lower Upper

248 100

250 199.3 77.7 116.5#

141 558.6 68.0 102.0#

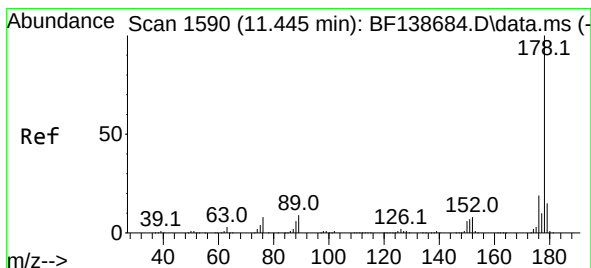
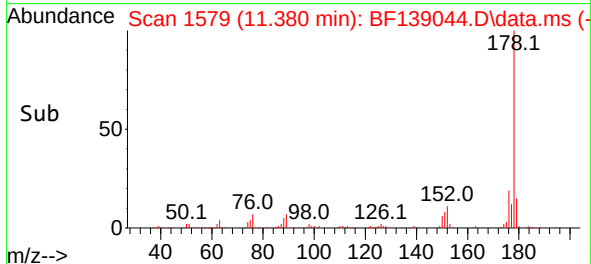
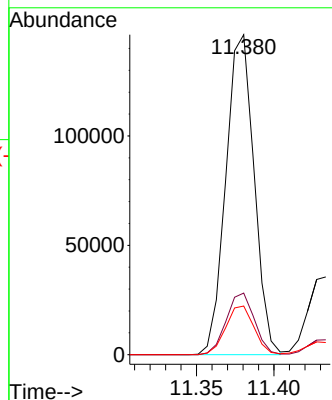
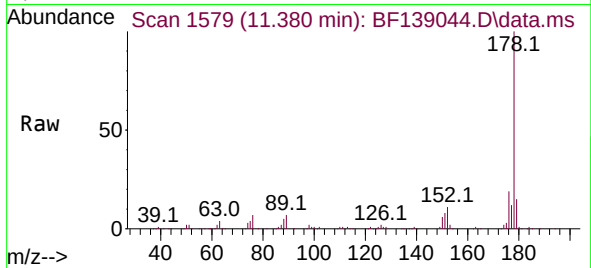




#71
Phenanthrene
Concen: 32.739 ng
RT: 11.380 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

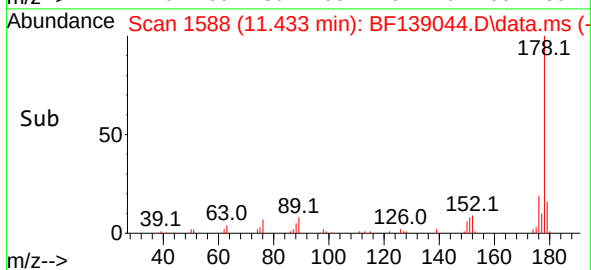
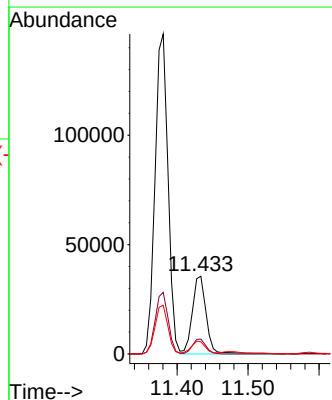
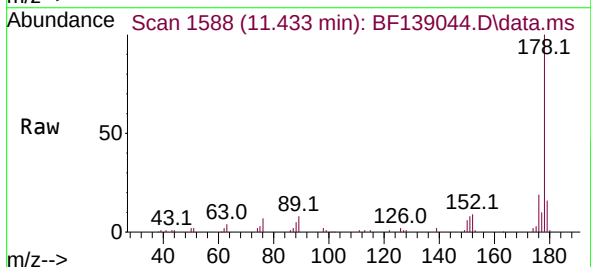
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

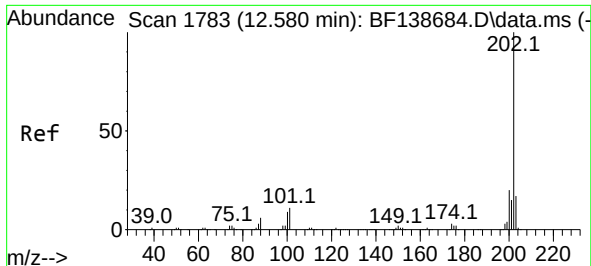
Tgt Ion:178 Resp: 185485
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.2 12.2 18.2



#72
Anthracene
Concen: 8.692 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Tgt Ion:178 Resp: 48514
Ion Ratio Lower Upper
178 100
176 19.1 14.9 22.3
179 15.7 12.4 18.6

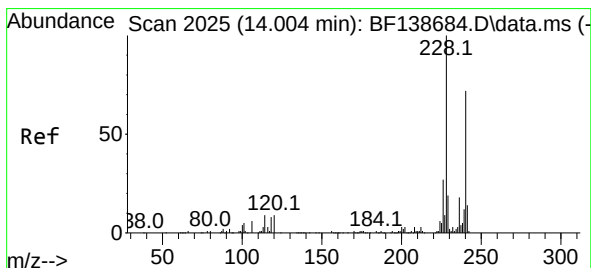
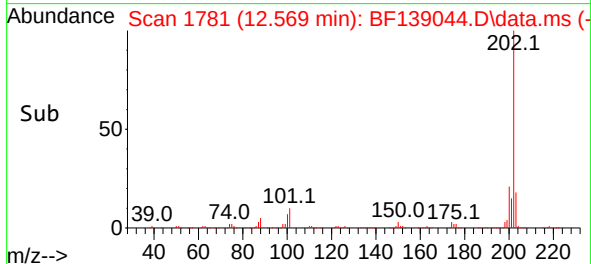
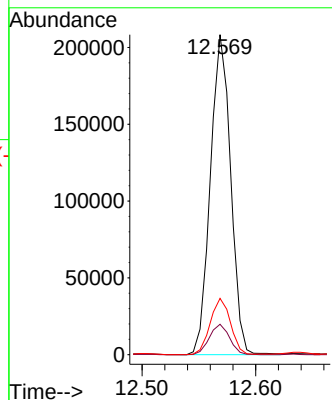
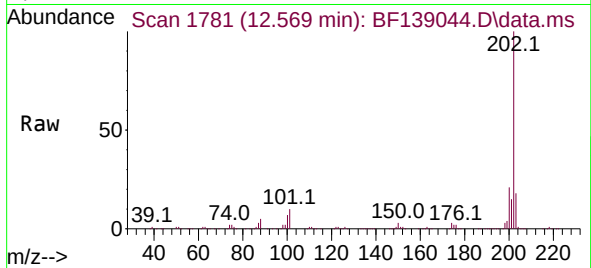




#75
Fluoranthene
Concen: 48.978 ng
RT: 12.569 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

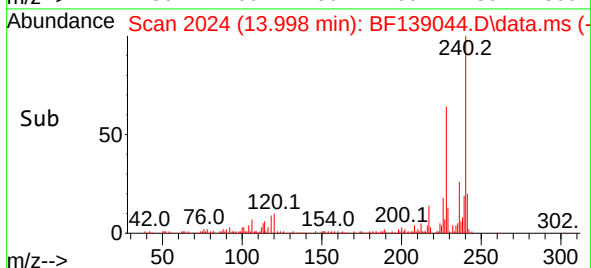
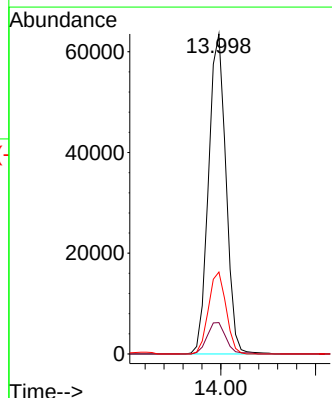
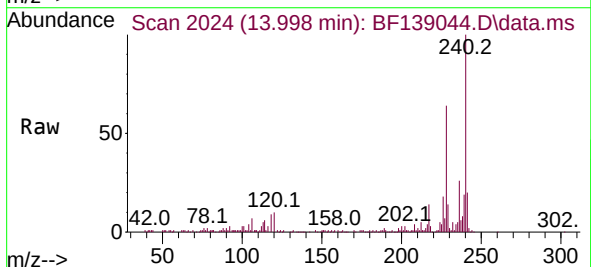
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

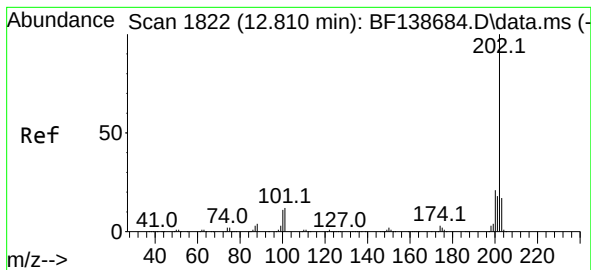
Tgt Ion:202 Resp: 259055
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.2
203 17.6 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Tgt Ion:240 Resp: 80875
Ion Ratio Lower Upper
240 100
120 9.8 10.2 15.4#
236 25.6 19.8 29.8





#78

Pyrene

Concen: 27.973 ng

RT: 12.798 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

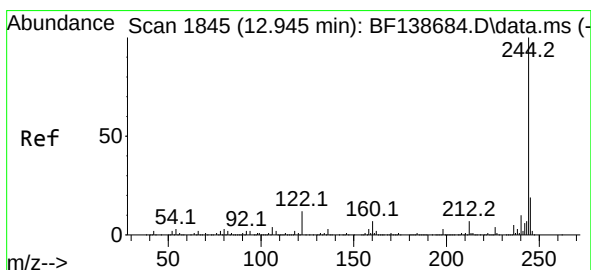
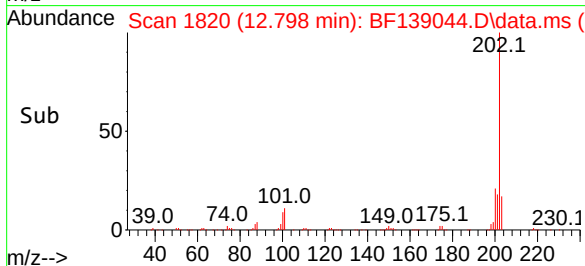
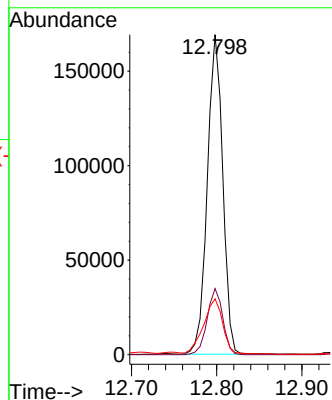
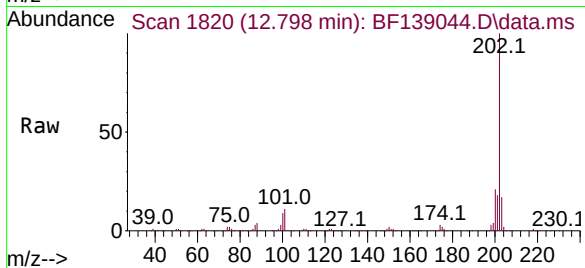
Tgt Ion:202 Resp: 213002

Ion Ratio Lower Upper

202 100

200 20.6 16.8 25.2

203 17.4 13.8 20.6



#79

Terphenyl-d14

Concen: 50.366 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.012 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

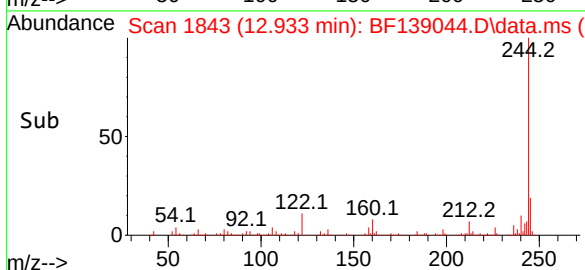
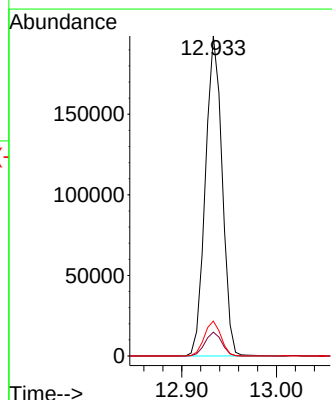
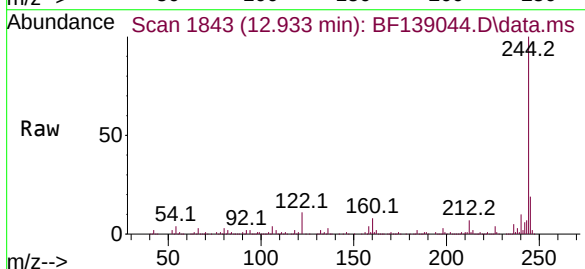
Tgt Ion:244 Resp: 243293

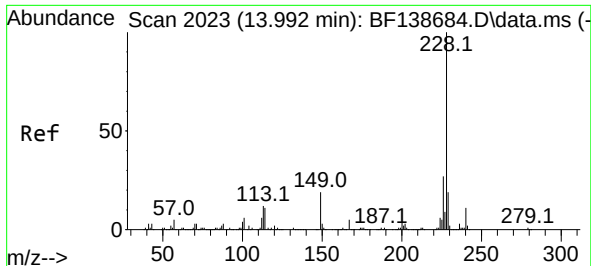
Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.2

122 10.9 9.6 14.4

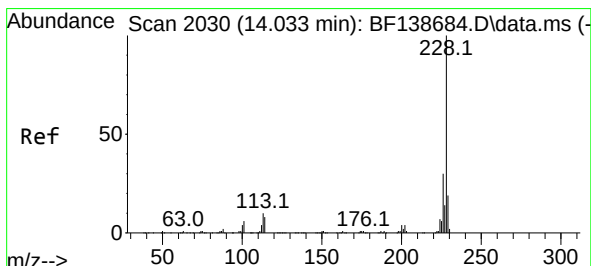
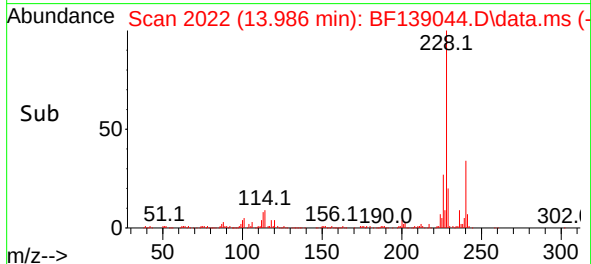
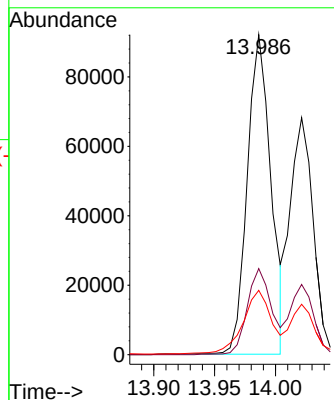
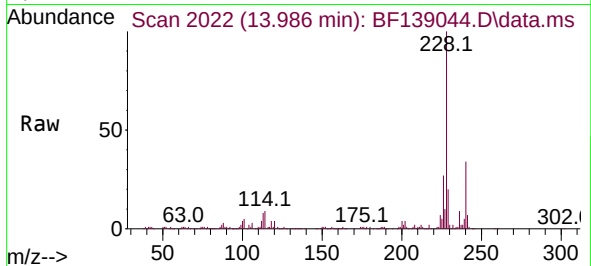




#81
Benzo(a)anthracene
Concen: 22.396 ng
RT: 13.986 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

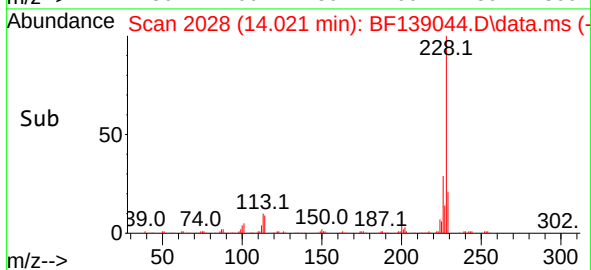
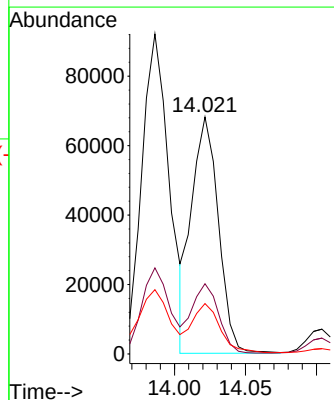
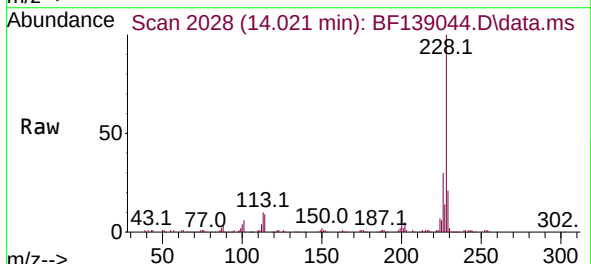
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

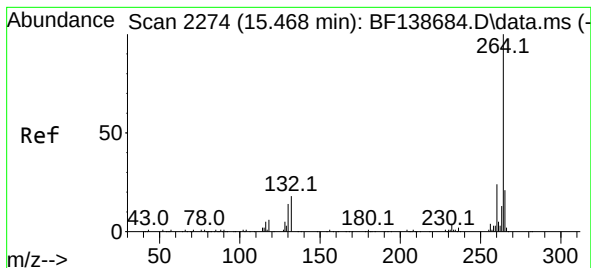
Tgt Ion:228 Resp: 124730
Ion Ratio Lower Upper
228 100
226 26.9 22.1 33.1
229 20.1 15.4 23.0



#83
Chrysene
Concen: 17.767 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Tgt Ion:228 Resp: 89272
Ion Ratio Lower Upper
228 100
226 29.6 23.7 35.5
229 21.3 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

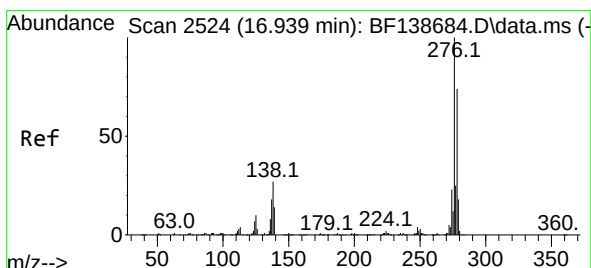
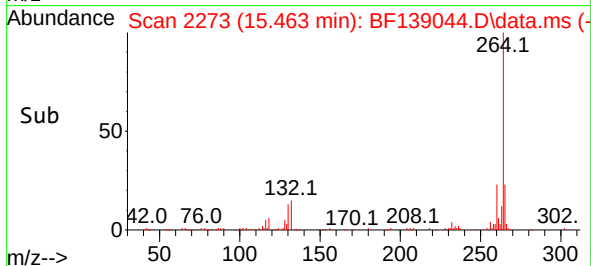
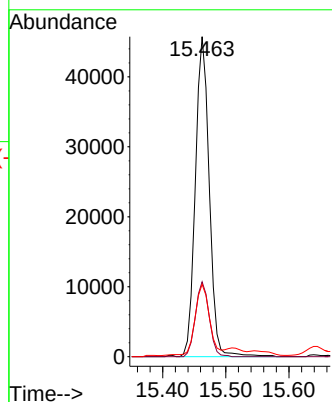
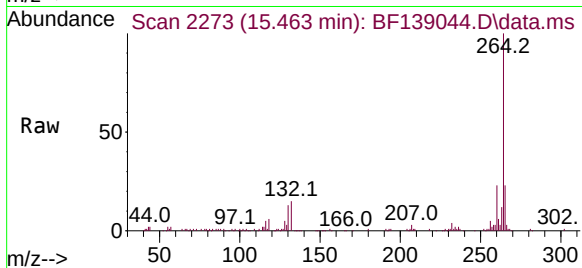
Tgt Ion:264 Resp: 69878

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

265 22.6 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.411 ng

RT: 16.939 min Scan# 2524

Delta R.T. 0.000 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

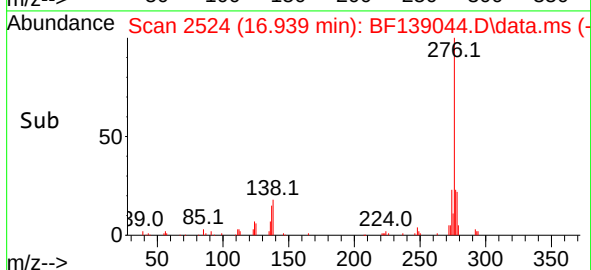
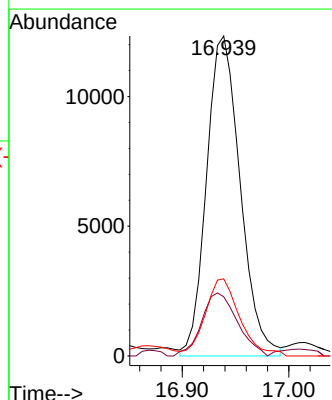
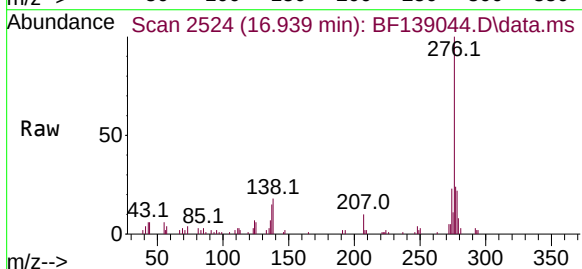
Tgt Ion:276 Resp: 27099

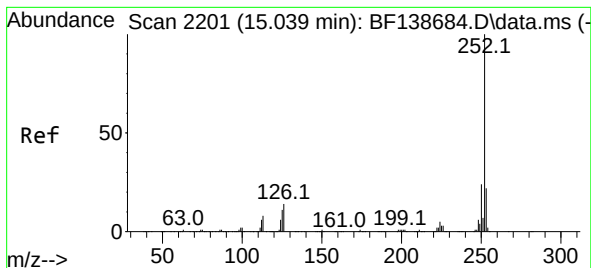
Ion Ratio Lower Upper

276 100

138 20.9 21.8 32.8#

277 24.7 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 28.567 ng

RT: 15.039 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

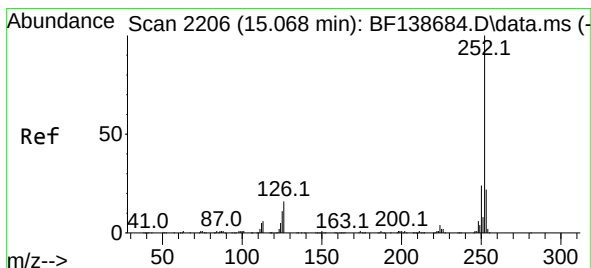
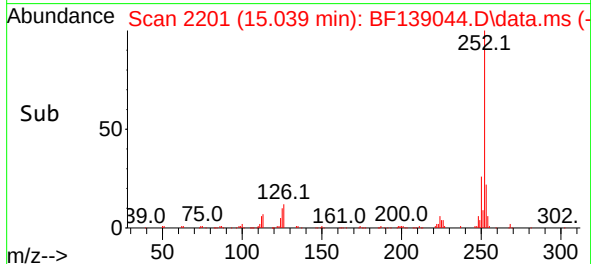
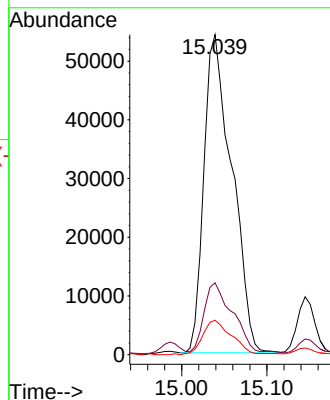
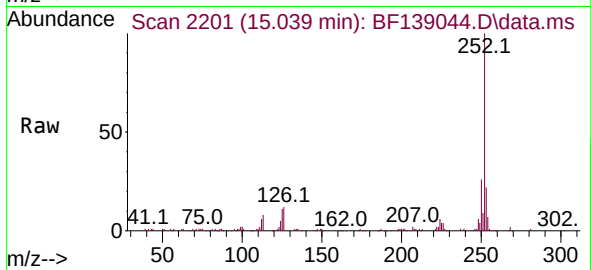
Tgt Ion:252 Resp: 123743

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 10.7 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 32.994 ng

RT: 15.039 min Scan# 2201

Delta R.T. -0.029 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

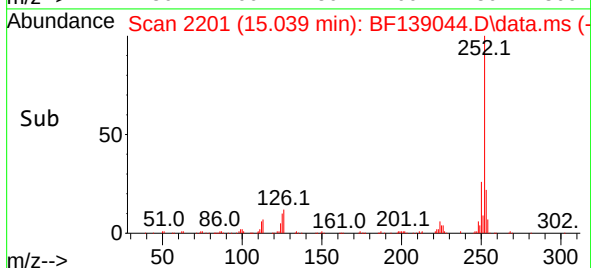
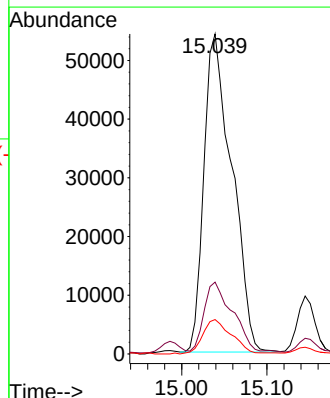
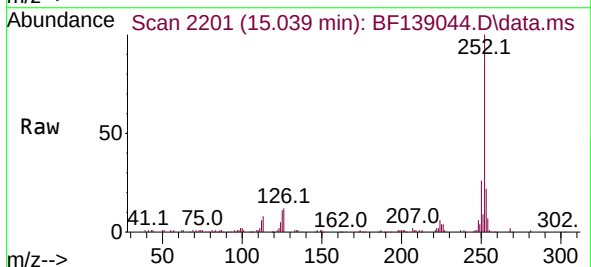
Tgt Ion:252 Resp: 123743

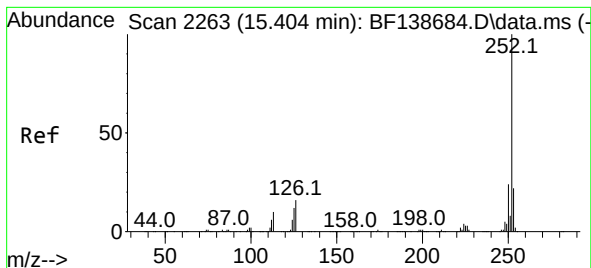
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 10.7 8.6 13.0





#90

Benzo(a)pyrene

Concen: 17.276 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

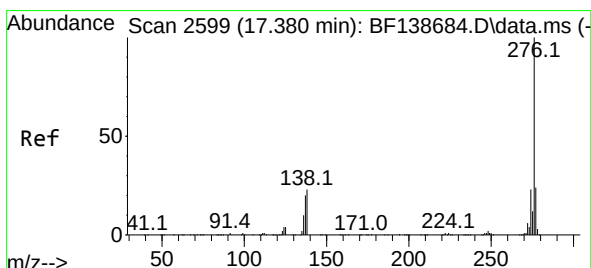
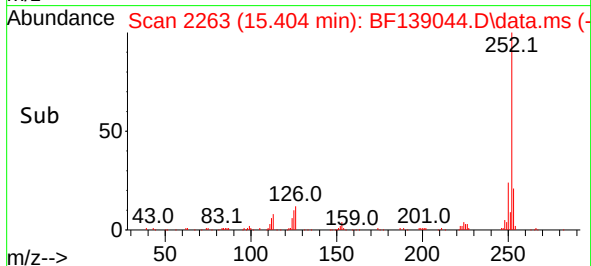
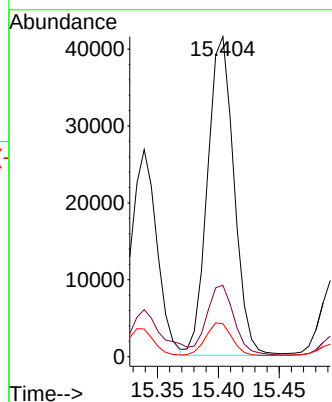
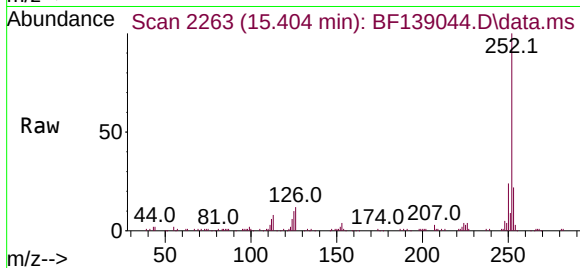
Tgt Ion:252 Resp: 62946

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 10.3 9.5 14.3



#92

Benzo(g,h,i)perylene

Concen: 5.180 ng

RT: 17.386 min Scan# 2600

Delta R.T. 0.006 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

Tgt Ion:276 Resp: 22098

Ion Ratio Lower Upper

276 100

277 27.3 19.0 28.4

138 18.3 18.5 27.7#

