

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
 Data File : BF139382.D
 Acq On : 16 Sep 2024 16:58
 Operator : RC/JU
 Sample : P3929-01RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BIN-2

Quant Time: Sep 16 17:26:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

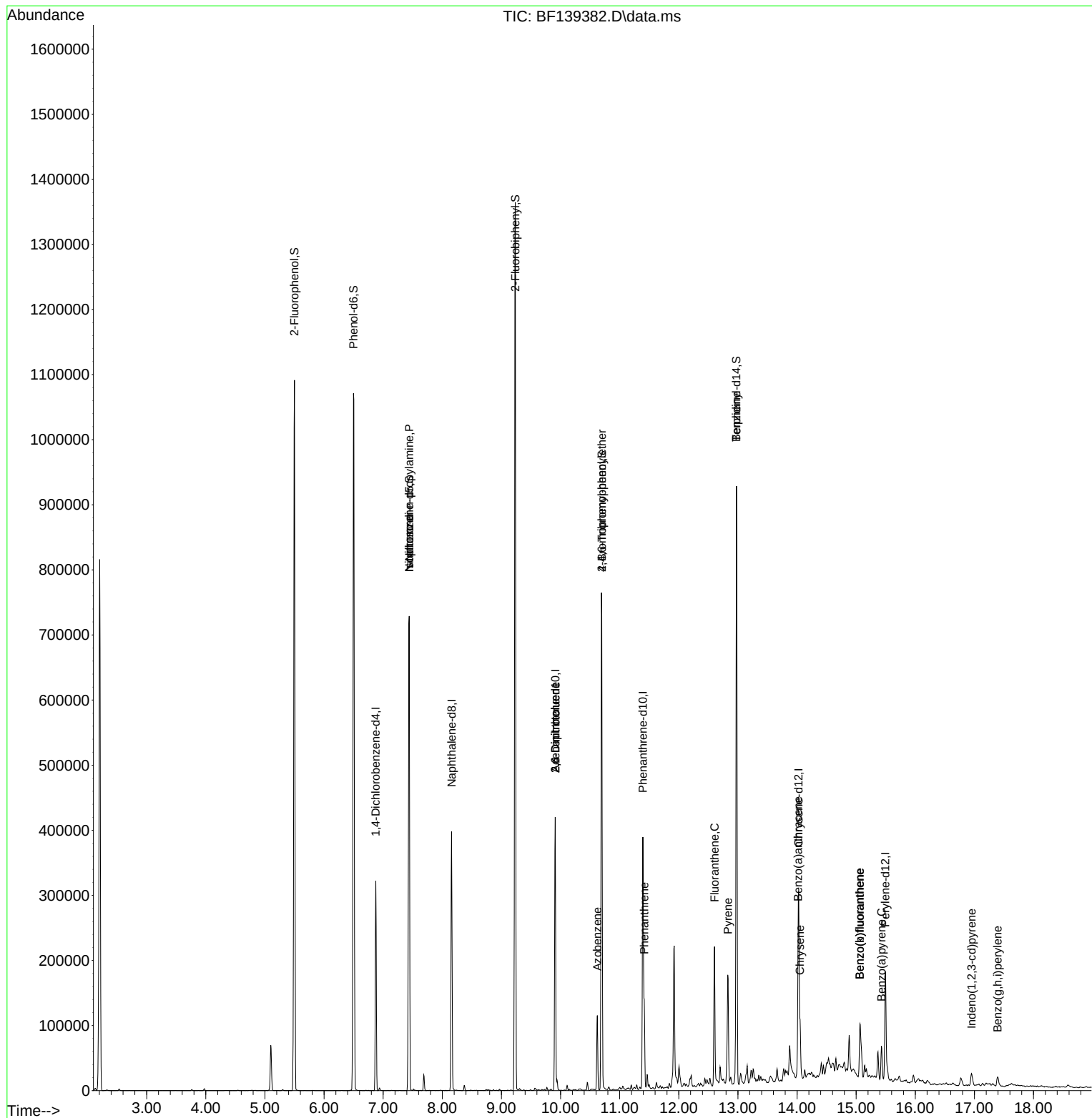
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	59754	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	224145	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	118591	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	195945	20.000	ng	0.00
76) Chrysene-d12	14.027	240	104507	20.000	ng	0.00
86) Perylene-d12	15.492	264	95315	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	350373	95.655	ng	0.00
7) Phenol-d6	6.498	99	467781	97.297	ng	0.00
23) Nitrobenzene-d5	7.440	82	311840	65.404	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	112192	88.862	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	578501	68.417	ng	0.00
79) Terphenyl-d14	12.975	244	419661	65.912	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	45341	15.915	ng	# 76
25) Isophorone	7.440	82	310839	41.223	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	15576	9.033	ng	# 16
57) 2,4-Dinitrotoluene	9.910	165	15576	6.691	ng	# 17
63) Azobenzene	10.622	77	29228	3.700	ng	# 5
67) 4-Bromophenyl-phenylether	10.698	248	7802	4.018	ng	# 1
71) Phenanthrene	11.416	178	65990	6.980	ng	100
75) Fluoranthene	12.604	202	115757	11.466	ng	99
77) Benzidine	12.975	184	6885	4.598	ng	# 90
78) Pyrene	12.833	202	97356	10.849	ng	99
81) Benzo(a)anthracene	14.016	228	50393	7.280	ng	97
83) Chrysene	14.051	228	44494	6.986	ng	98
87) Indeno(1,2,3-cd)pyrene	16.951	276	14658	2.586	ng	97
88) Benzo(b)fluoranthene	15.063	252	71063	12.089	ng	# 95
89) Benzo(k)fluoranthene	15.063	252	71063	13.111	ng	# 94
90) Benzo(a)pyrene	15.427	252	32993	6.767	ng	97
92) Benzo(g,h,i)perylene	17.392	276	14014	3.022	ng	# 95

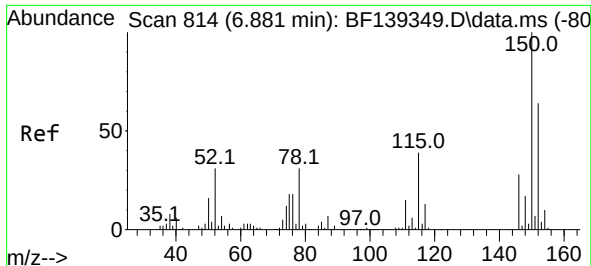
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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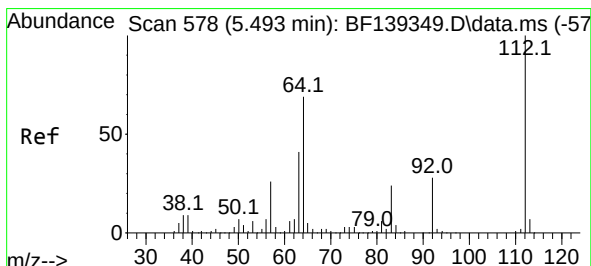
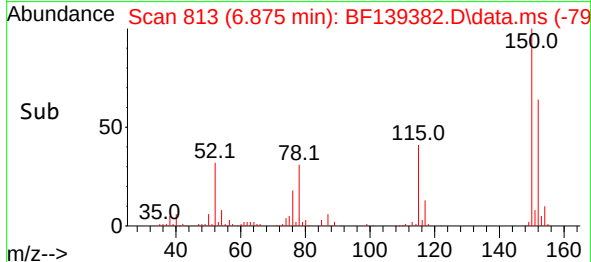
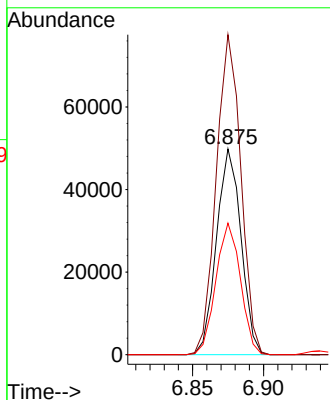
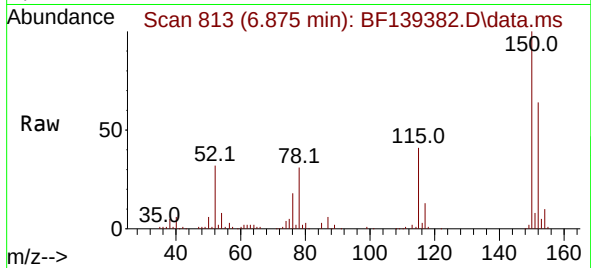




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

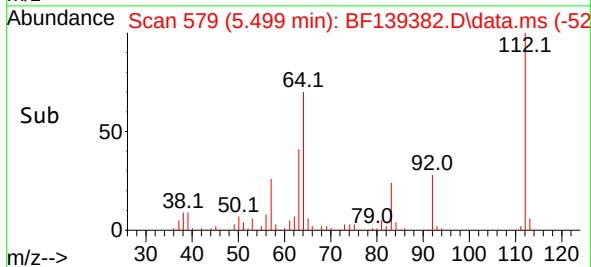
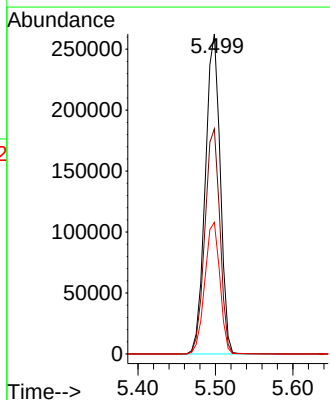
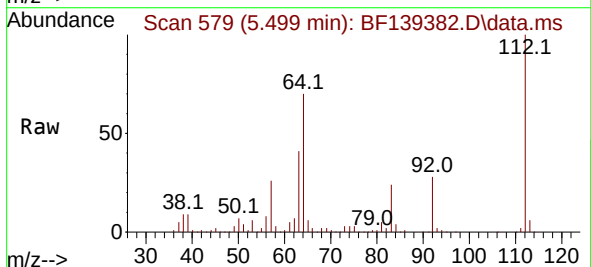
Instrument :
BNA_F
ClientSampleId :
BIN-2

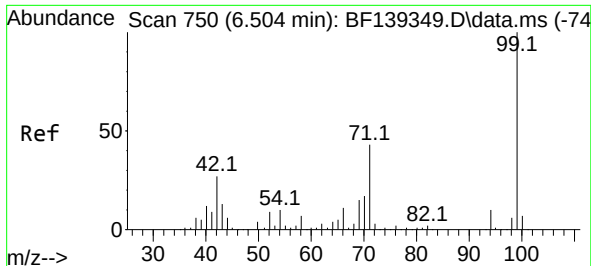
Tgt Ion:152 Resp: 59754
Ion Ratio Lower Upper
152 100
150 155.5 124.1 186.1
115 63.9 48.1 72.1



#5
2-Fluorophenol
Concen: 95.655 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

Tgt Ion:112 Resp: 350373
Ion Ratio Lower Upper
112 100
64 70.3 54.8 82.2
63 41.2 33.0 49.4

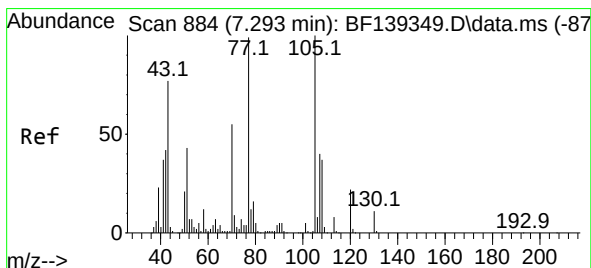
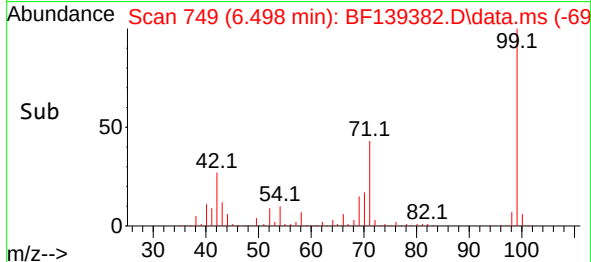
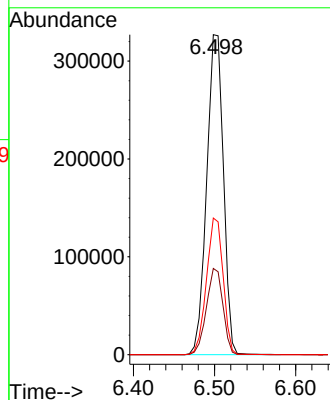
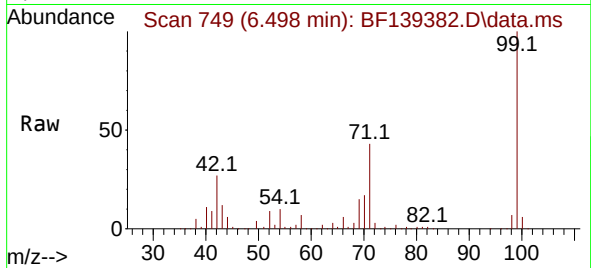




#7
Phenol-d6
Concen: 97.297 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

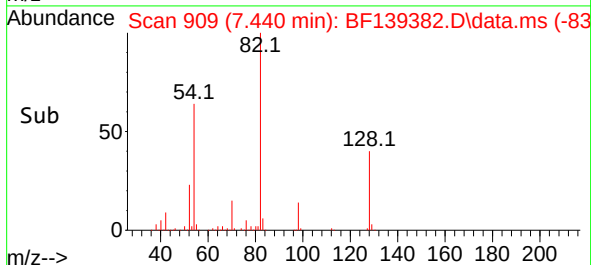
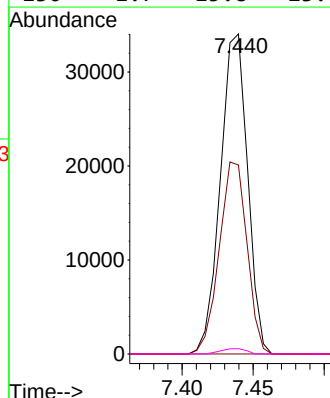
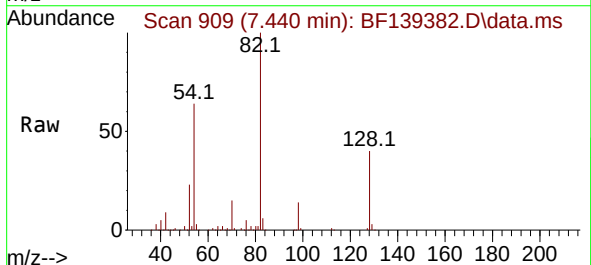
Instrument :
BNA_F
ClientSampleId :
BIN-2

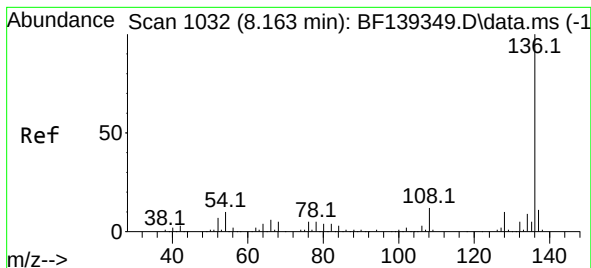
Tgt Ion: 99 Resp: 467781
Ion Ratio Lower Upper
99 100
42 27.0 21.9 32.9
71 42.7 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.915 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

Tgt Ion: 70 Resp: 45341
Ion Ratio Lower Upper
70 100
42 59.0 61.2 91.8#
101 0.0 7.5 11.3#
130 1.7 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

BIN-2

Tgt Ion:136 Resp: 224145

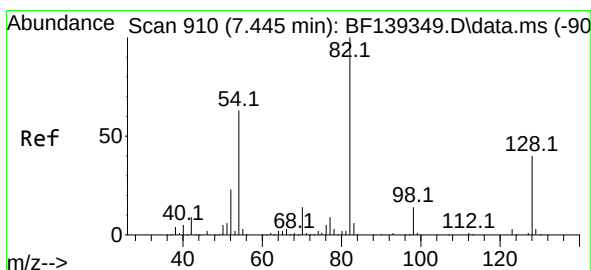
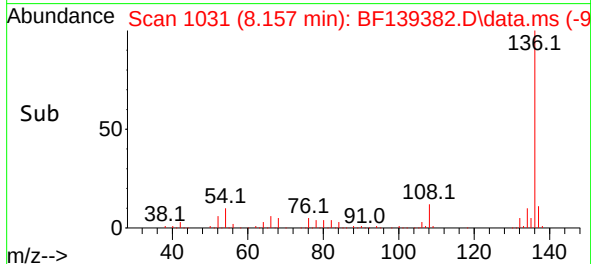
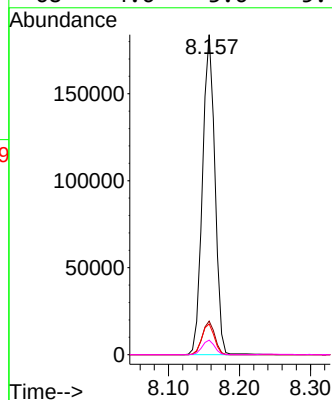
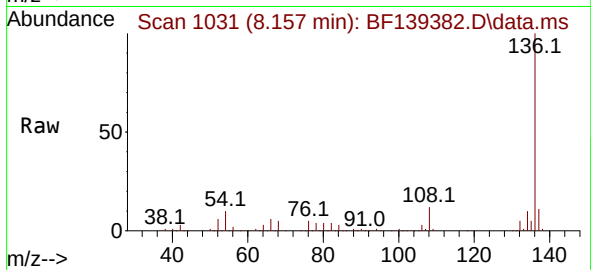
Ion Ratio Lower Upper

136 100

137 10.5 8.6 12.8

54 9.6 7.8 11.8

68 4.6 3.6 5.4



#23

Nitrobenzene-d5

Concen: 65.404 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

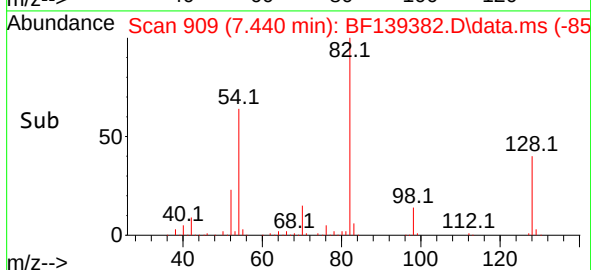
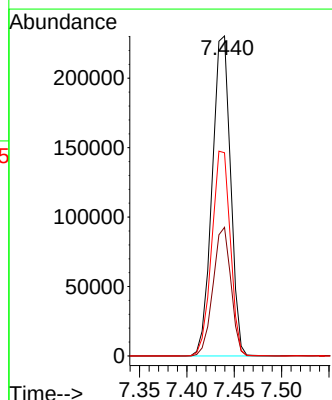
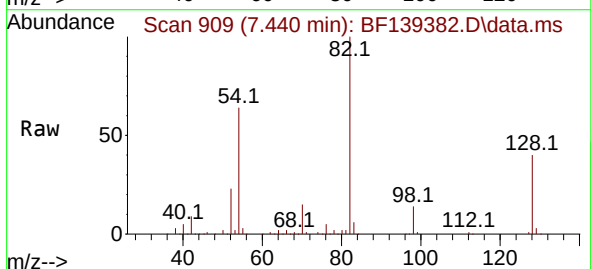
Tgt Ion: 82 Resp: 311840

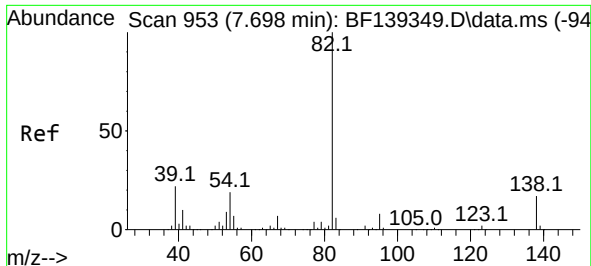
Ion Ratio Lower Upper

82 100

128 40.2 31.8 47.6

54 63.5 50.6 75.8

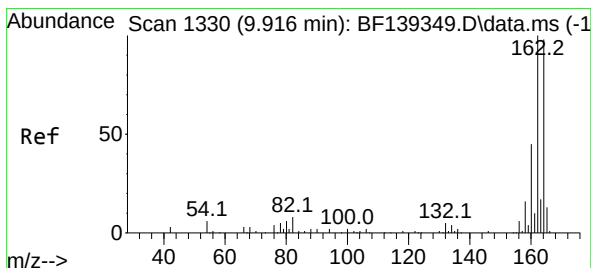
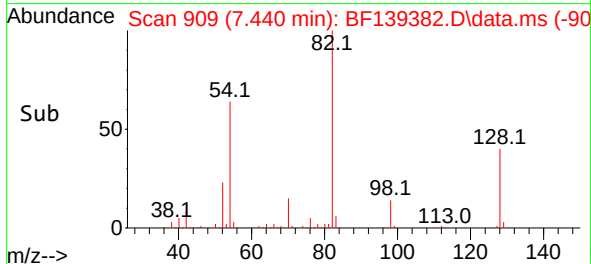
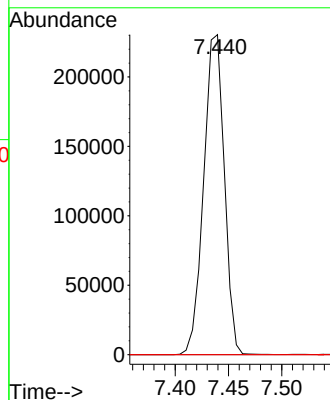
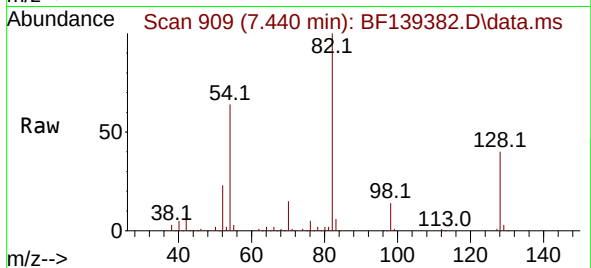




#25
Isophorone
Concen: 41.223 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

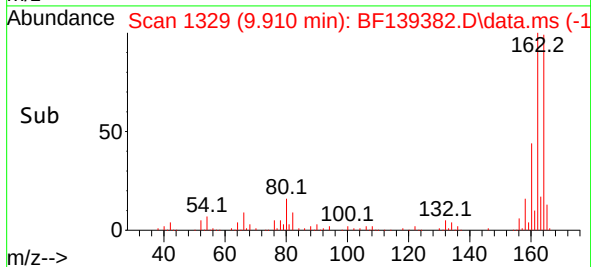
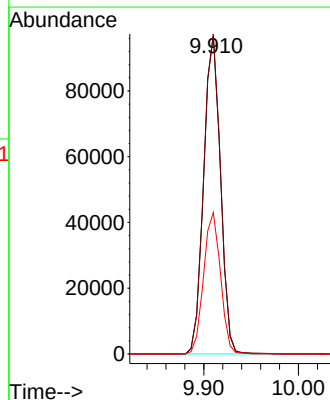
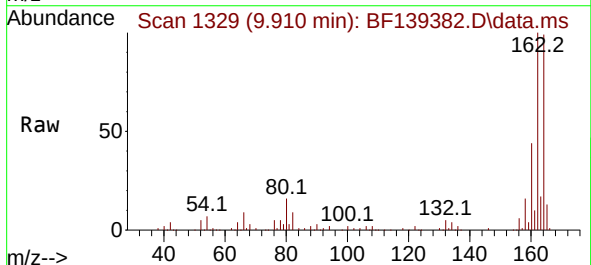
Instrument :
BNA_F
ClientSampleId :
BIN-2

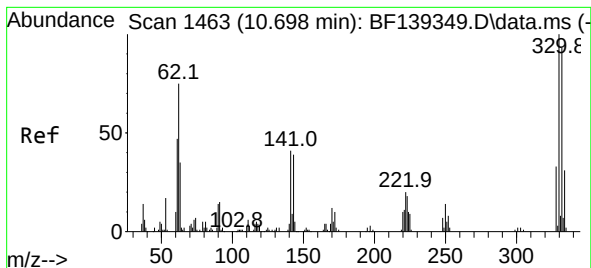
Tgt Ion: 82 Resp: 310839
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

Tgt Ion:164 Resp: 118591
Ion Ratio Lower Upper
164 100
162 100.6 81.3 121.9
160 44.5 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 88.862 ng

RT: 10.698 min Scan# 1463

Delta R.T. 0.000 min

Lab File: BF139382.D

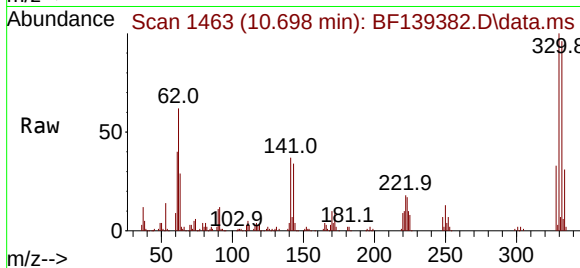
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Instrument :

BNA_F

ClientSampleId :

BIN-2



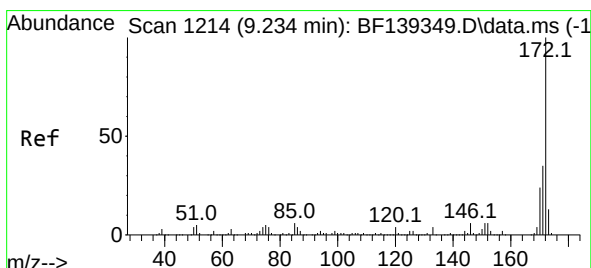
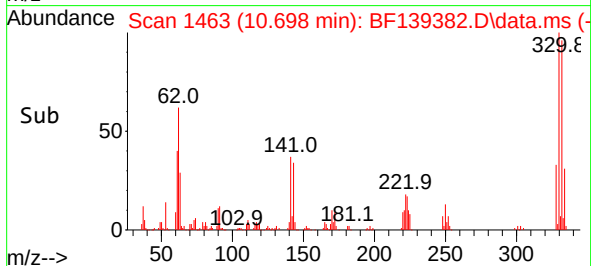
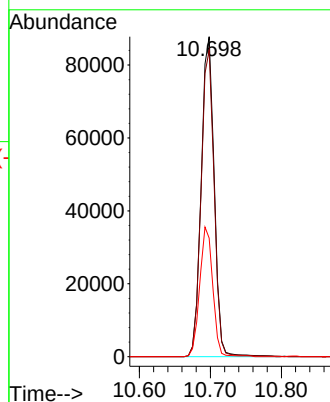
Tgt Ion:330 Resp: 112192

Ion Ratio Lower Upper

330 100

332 96.3 75.2 112.8

141 40.7 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 68.417 ng

RT: 9.234 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

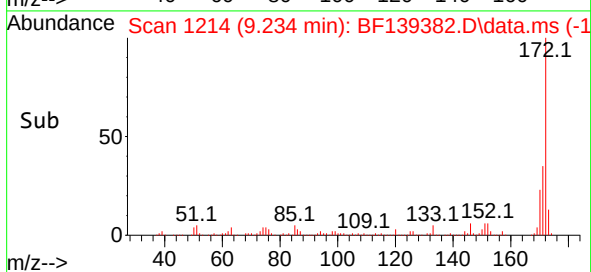
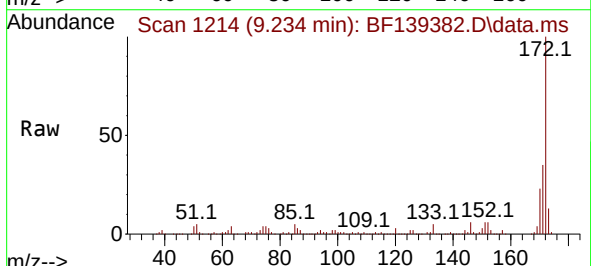
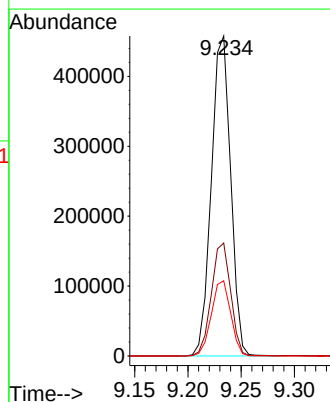
Tgt Ion:172 Resp: 578501

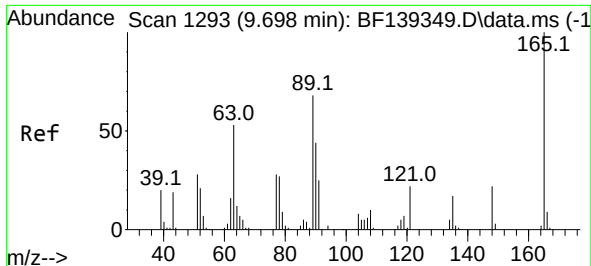
Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.5 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.033 ng

RT: 9.910 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

BIN-2

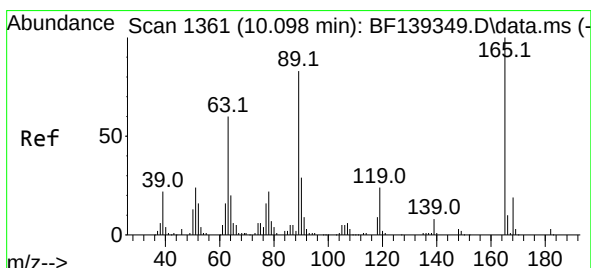
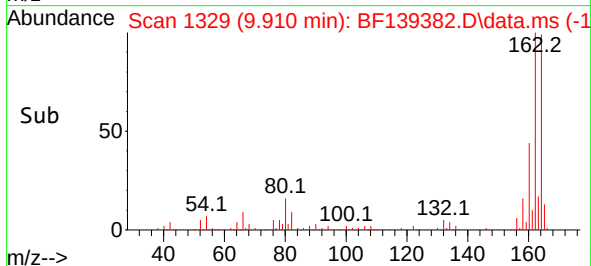
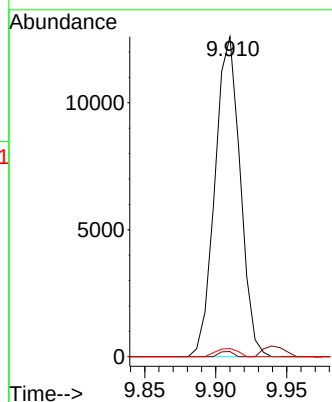
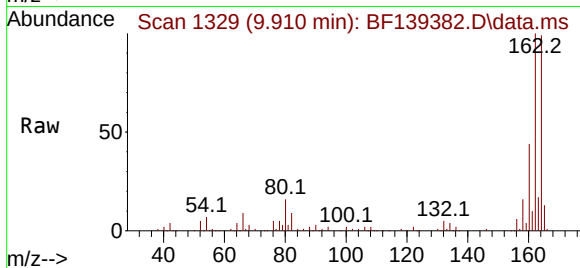
Tgt Ion:165 Resp: 15576

Ion Ratio Lower Upper

165 100

63 1.6 60.9 91.3#

89 2.5 54.7 82.1#



#57

2,4-Dinitrotoluene

Concen: 6.691 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.188 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

Tgt Ion:165 Resp: 15576

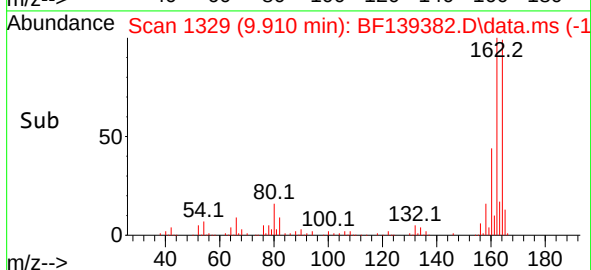
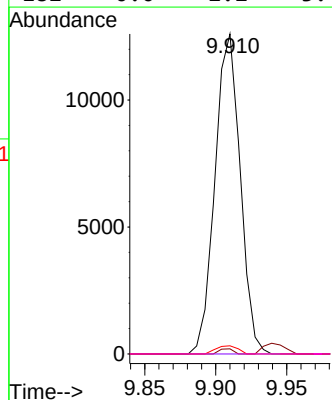
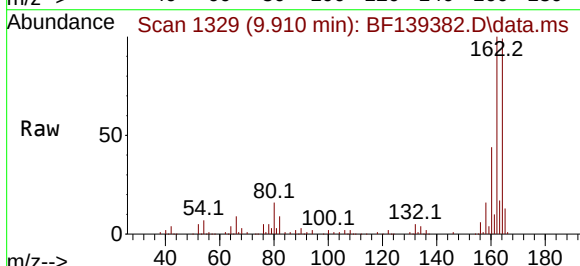
Ion Ratio Lower Upper

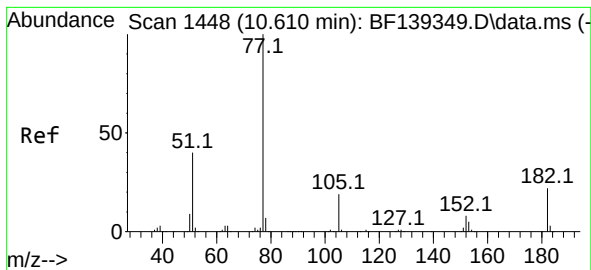
165 100

63 1.6 47.8 71.6#

89 2.5 66.7 100.1#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 3.700 ng

RT: 10.622 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

BIN-2

Tgt Ion: 77 Resp: 29228

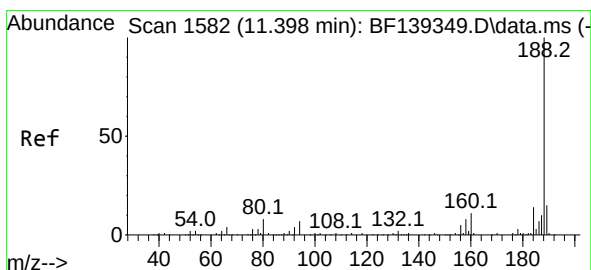
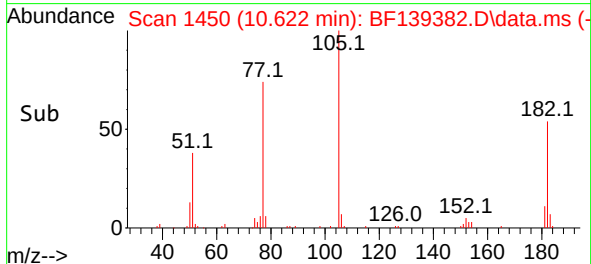
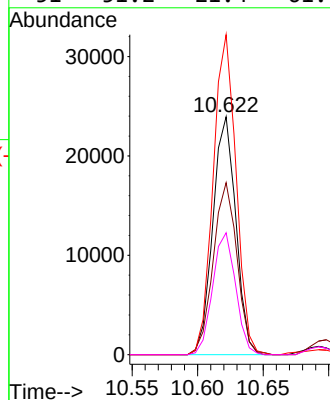
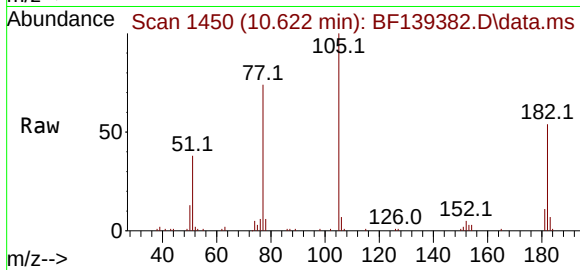
Ion Ratio Lower Upper

77 100

182 72.3 1.8 41.8#

105 134.5 0.0 38.6#

51 51.2 21.4 61.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

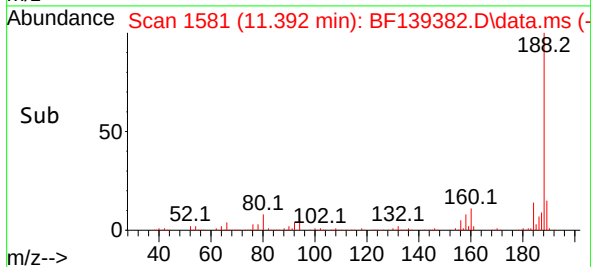
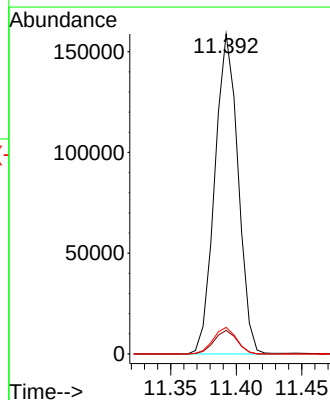
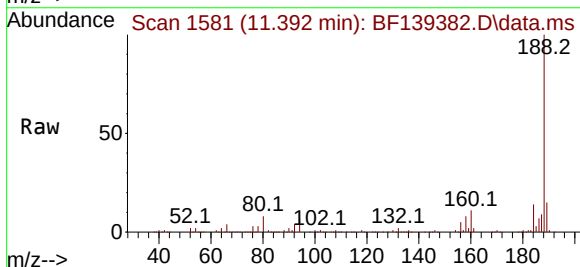
Tgt Ion: 188 Resp: 195945

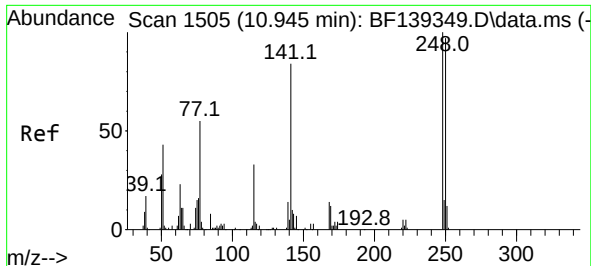
Ion Ratio Lower Upper

188 100

94 7.4 5.5 8.3

80 8.3 6.6 9.8





#67

4-Bromophenyl-phenylether

Concen: 4.018 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

BIN-2

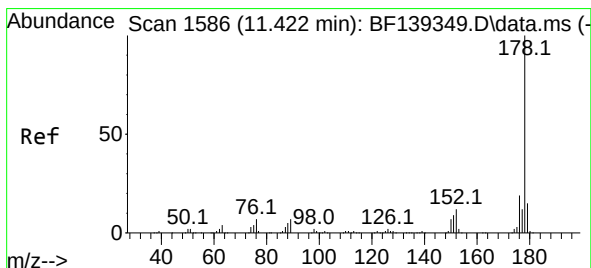
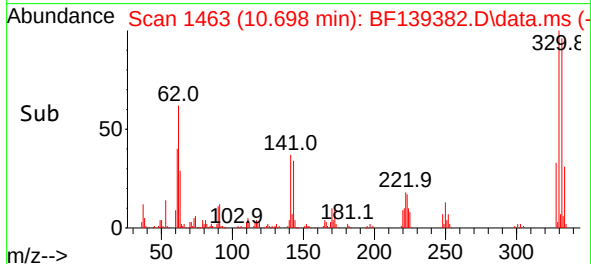
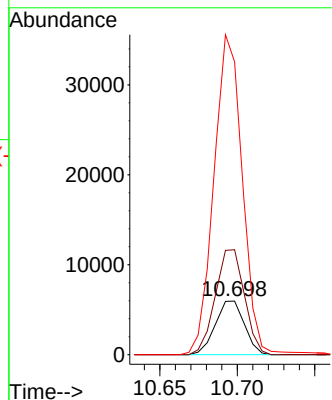
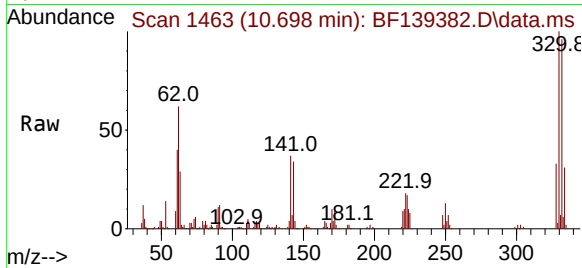
Tgt Ion:248 Resp: 7802

Ion Ratio Lower Upper

248 100

250 195.5 77.6 116.4#

141 545.3 66.9 100.3#



#71

Phenanthrene

Concen: 6.980 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

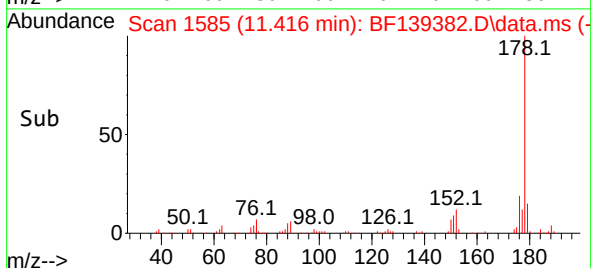
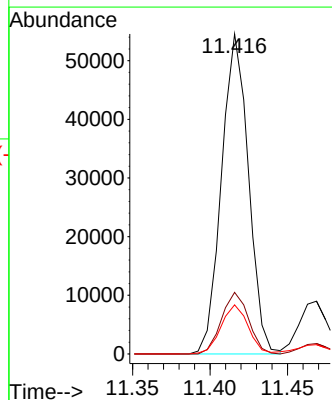
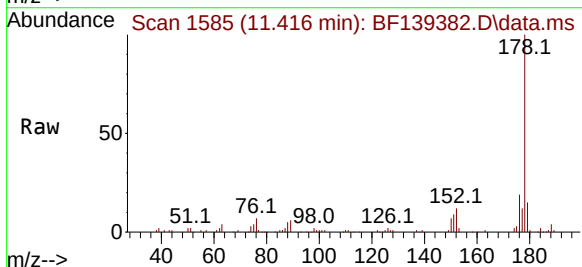
Tgt Ion:178 Resp: 65990

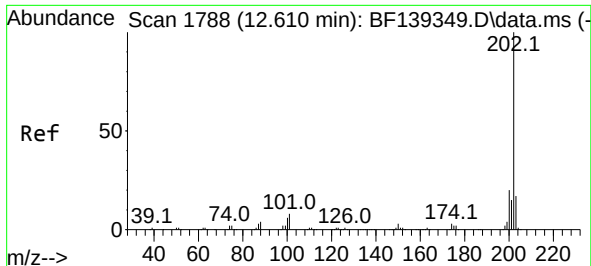
Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

179 15.3 12.2 18.4

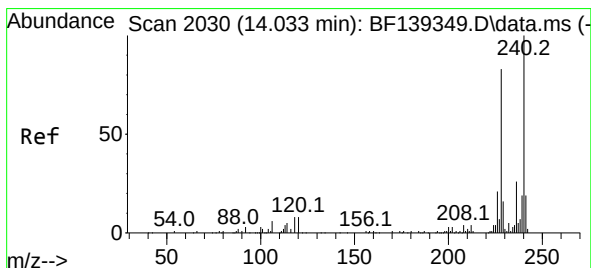
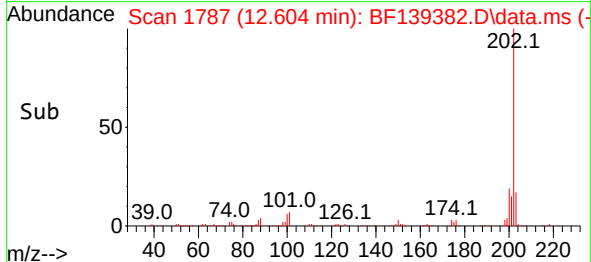
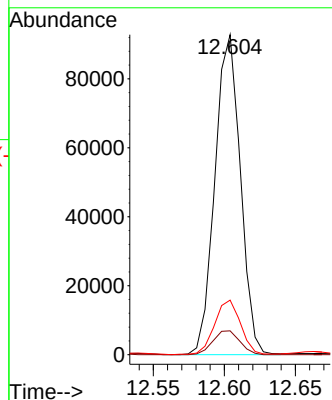
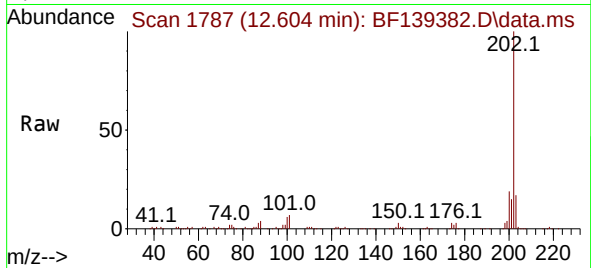




#75
Fluoranthene
Concen: 11.466 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

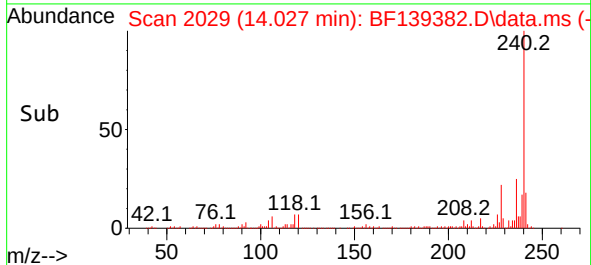
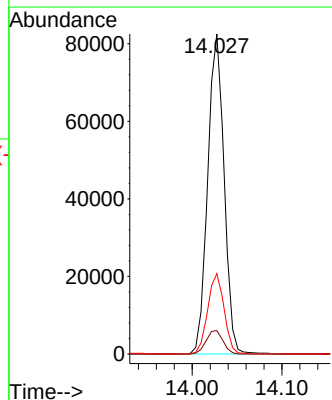
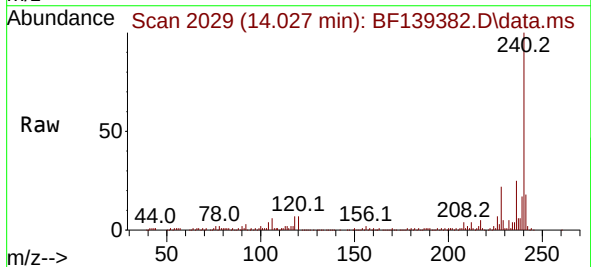
Instrument :
BNA_F
ClientSampleId :
BIN-2

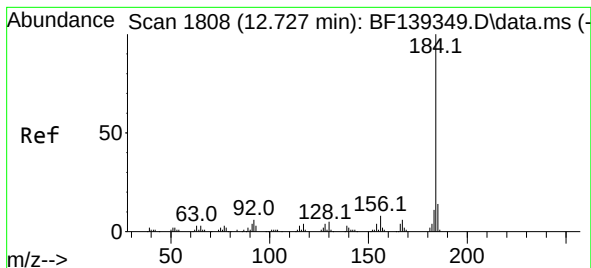
Tgt Ion:202 Resp: 115757
Ion Ratio Lower Upper
202 100
101 7.4 0.0 27.7
203 17.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

Tgt Ion:240 Resp: 104507
Ion Ratio Lower Upper
240 100
120 7.3 6.2 9.2
236 25.1 20.9 31.3





#77

Benzidine

Concen: 4.598 ng

RT: 12.975 min Scan# 1850

Delta R.T. 0.247 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

BIN-2

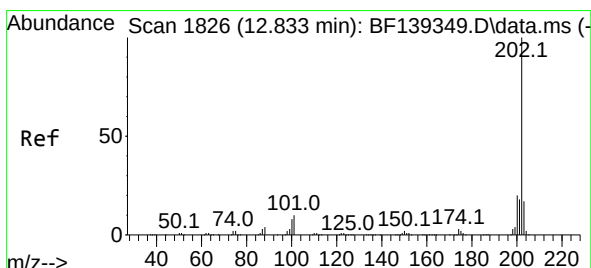
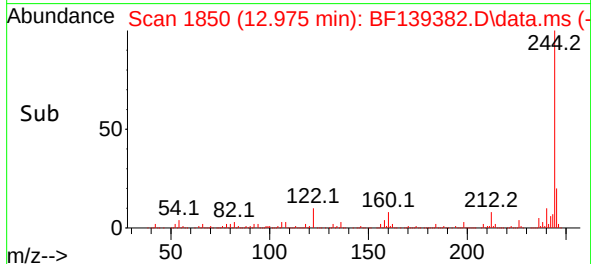
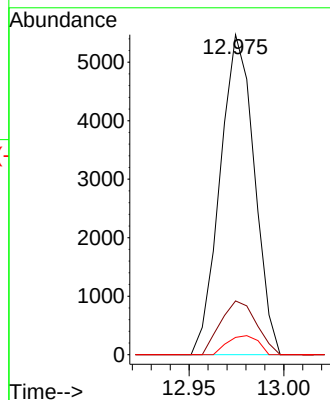
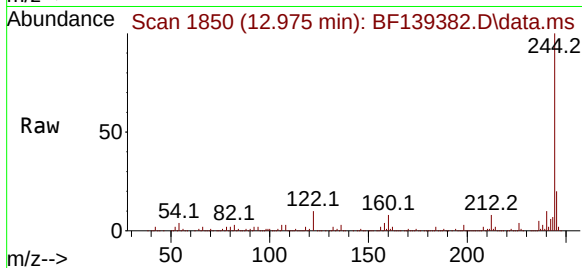
Tgt Ion:184 Resp: 6885

Ion Ratio Lower Upper

184 100

185 16.8 11.5 17.3

183 5.4 8.9 13.3#



#78

Pyrene

Concen: 10.849 ng

RT: 12.833 min Scan# 1826

Delta R.T. 0.000 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

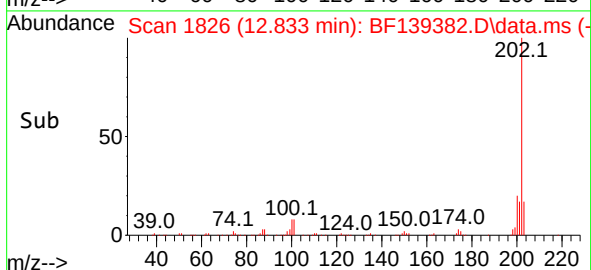
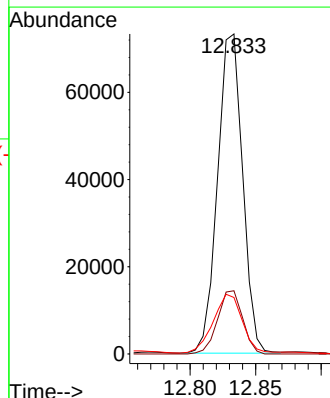
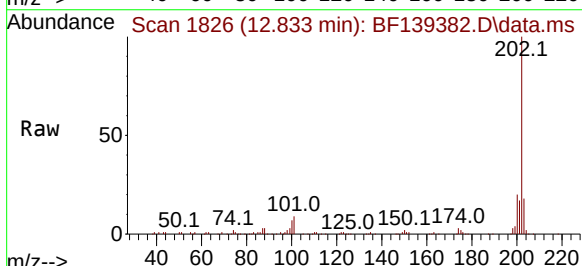
Tgt Ion:202 Resp: 97356

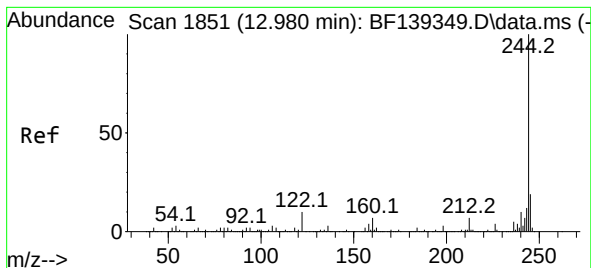
Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

203 17.6 13.9 20.9





#79

Terphenyl-d14

Concen: 65.912 ng

RT: 12.975 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

BIN-2

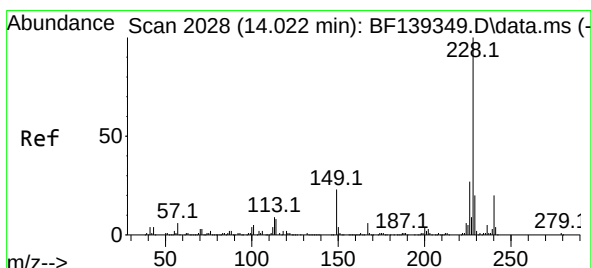
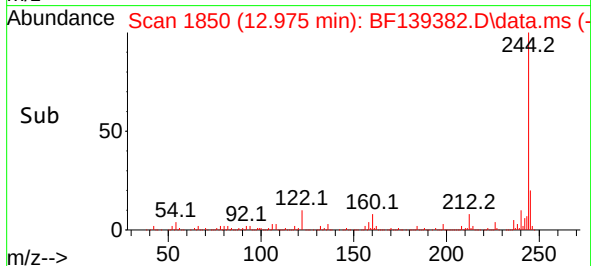
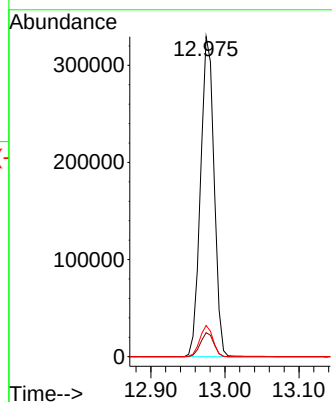
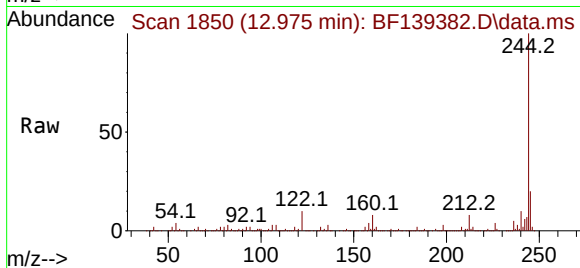
Tgt Ion:244 Resp: 419661

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 9.8 7.6 11.4



#81

Benzo(a)anthracene

Concen: 7.280 ng

RT: 14.016 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

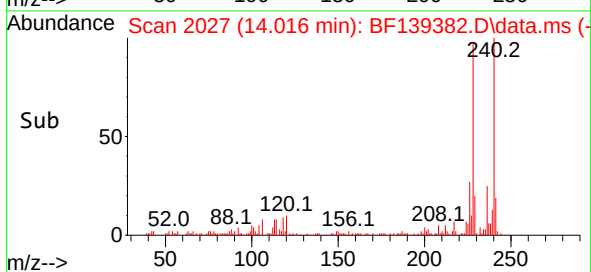
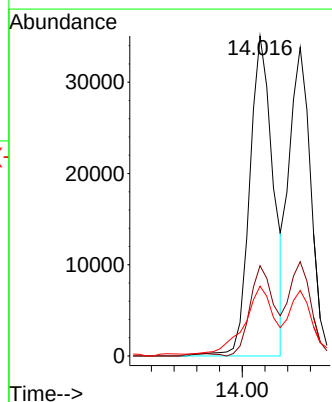
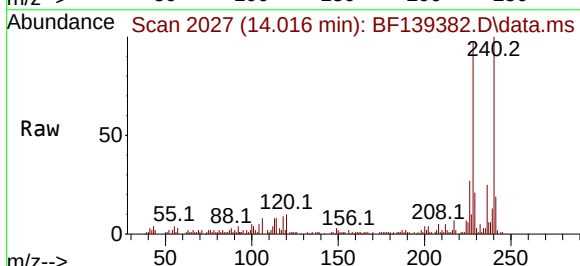
Tgt Ion:228 Resp: 50393

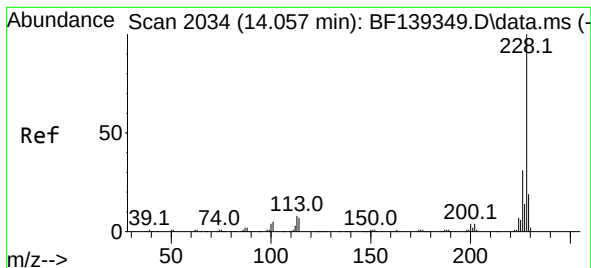
Ion Ratio Lower Upper

228 100

226 28.2 21.6 32.4

229 21.8 15.7 23.5





#83

Chrysene

Concen: 6.986 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

Instrument :

BNA_F

ClientSampleId :

BIN-2

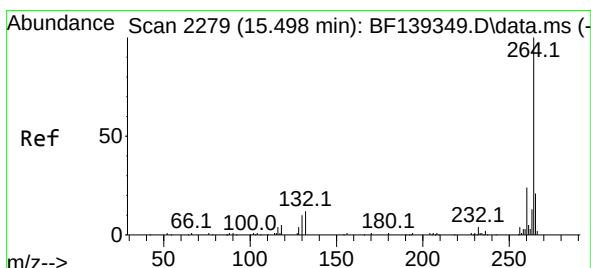
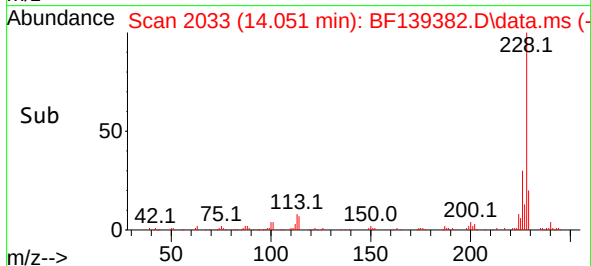
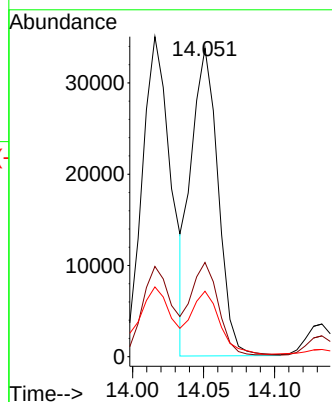
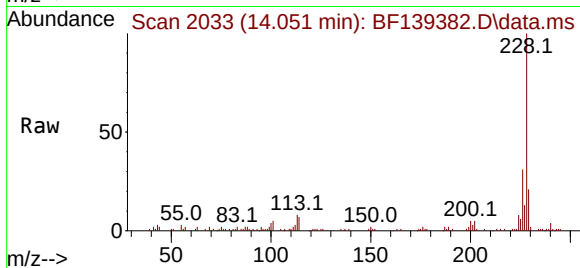
Tgt Ion:228 Resp: 44494

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

229 21.2 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2278

Delta R.T. -0.006 min

Lab File: BF139382.D

Acq: 16 Sep 2024 16:58

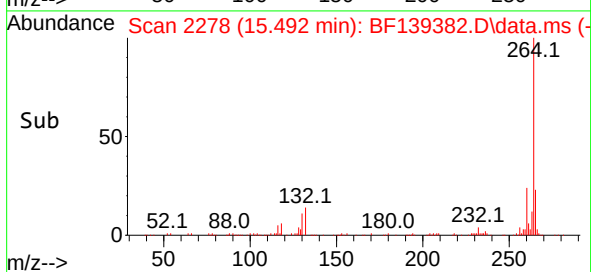
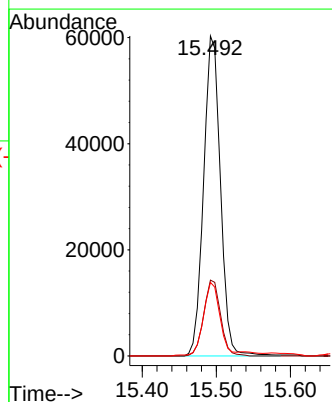
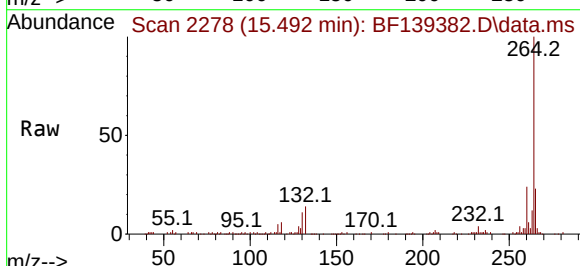
Tgt Ion:264 Resp: 95315

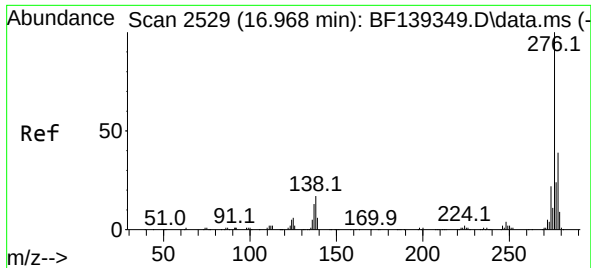
Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 23.0 16.6 25.0

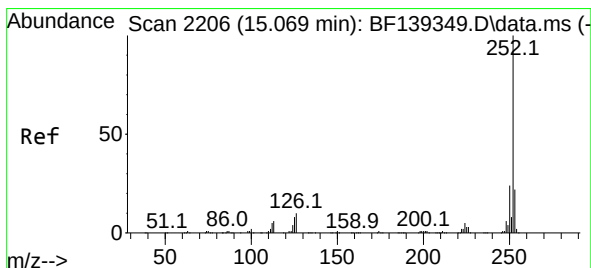
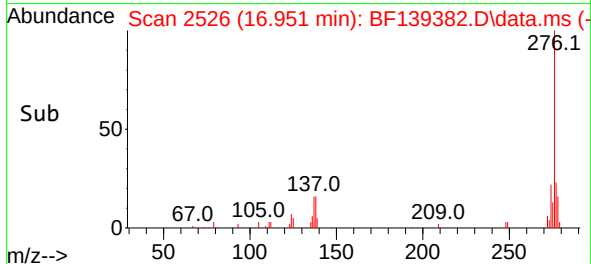
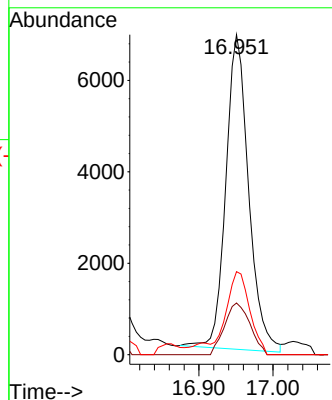
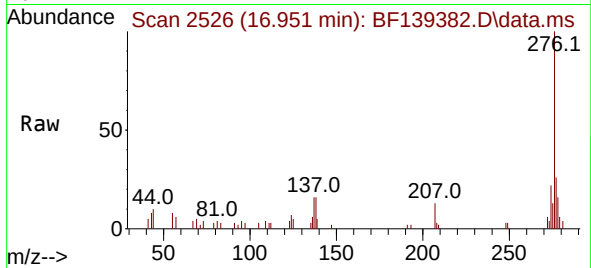




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.586 ng
 RT: 16.951 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF139382.D
 Acq: 16 Sep 2024 16:58

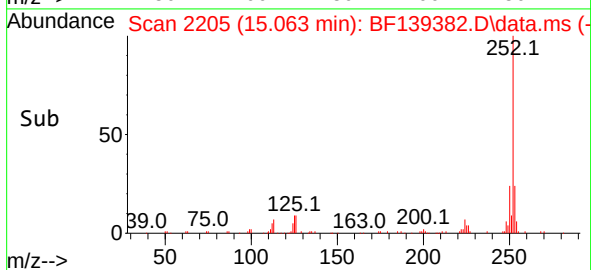
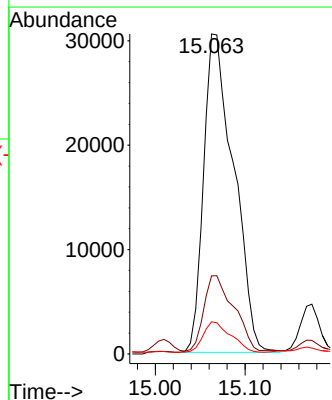
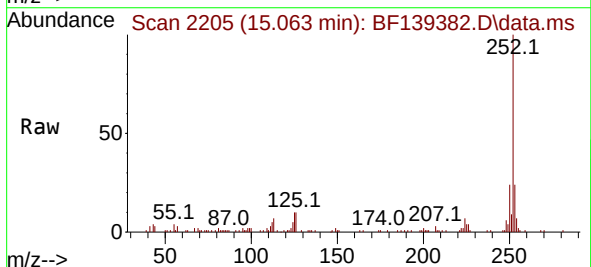
Instrument :
 BNA_F
 ClientSampleId :
 BIN-2

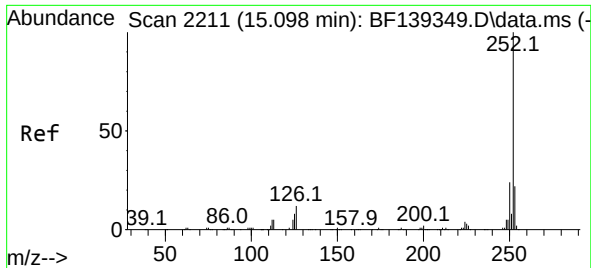
Tgt Ion:276 Resp: 14658
 Ion Ratio Lower Upper
 276 100
 138 18.3 15.4 23.2
 277 27.1 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 12.089 ng
 RT: 15.063 min Scan# 2205
 Delta R.T. -0.006 min
 Lab File: BF139382.D
 Acq: 16 Sep 2024 16:58

Tgt Ion:252 Resp: 71063
 Ion Ratio Lower Upper
 252 100
 253 24.4 17.6 26.4
 125 10.1 6.2 9.2#

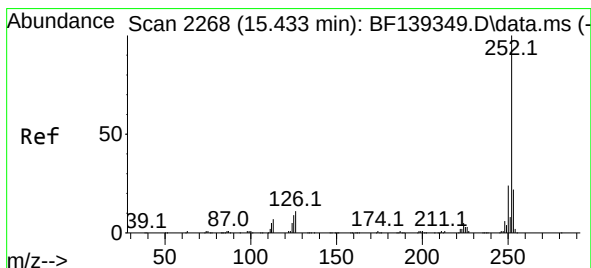
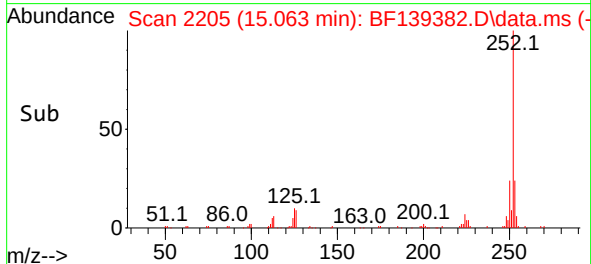
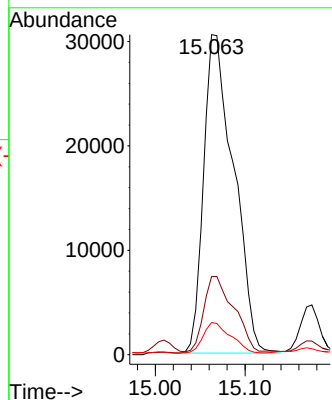
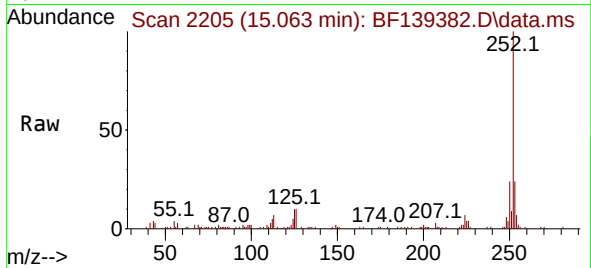




#89
Benzo(k)fluoranthene
Concen: 13.111 ng
RT: 15.063 min Scan# 211
Delta R.T. -0.035 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

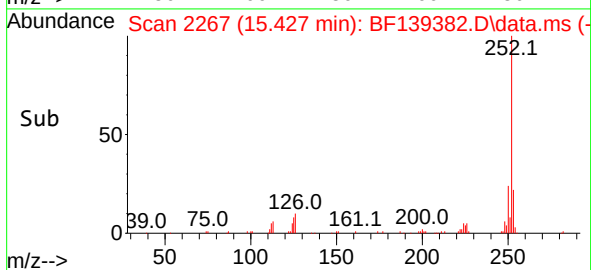
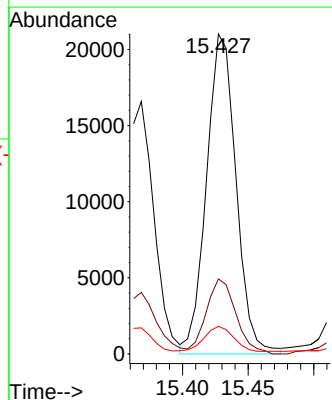
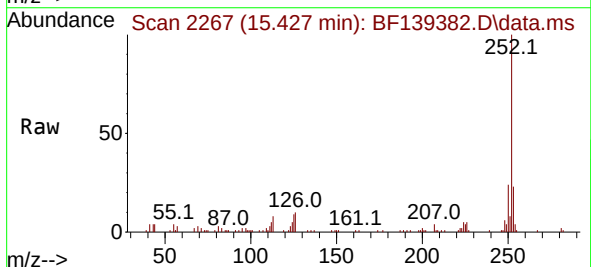
Instrument :
BNA_F
ClientSampleId :
BIN-2

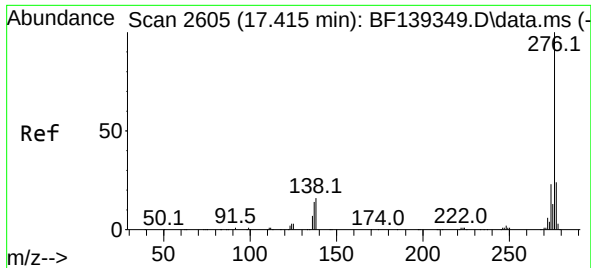
Tgt Ion:252 Resp: 71063
Ion Ratio Lower Upper
252 100
253 24.4 17.3 25.9
125 10.1 5.9 8.9#



#90
Benzo(a)pyrene
Concen: 6.767 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF139382.D
Acq: 16 Sep 2024 16:58

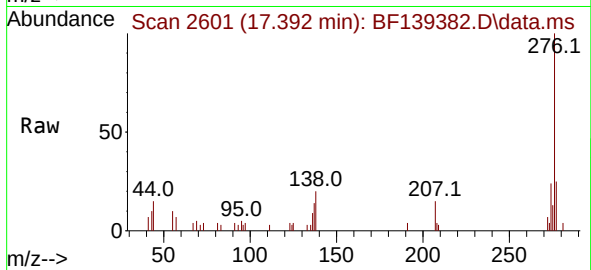
Tgt Ion:252 Resp: 32993
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 8.7 6.8 10.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.022 ng
 RT: 17.392 min Scan# 201
 Delta R.T. -0.024 min
 Lab File: BF139382.D
 Acq: 16 Sep 2024 16:58

Instrument :
 BNA_F
 ClientSampleId :
 BIN-2



Tgt Ion:276 Resp: 14014
 Ion Ratio Lower Upper
 276 100
 277 25.2 18.9 28.3
 138 19.6 13.0 19.6#

