

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082324\
 Data File : BF139156.D
 Acq On : 23 Aug 2024 19:45
 Operator : RC/JU
 Sample : P3707-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-930-K1-SO-0.5-1-082024

Quant Time: Aug 23 23:22:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

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

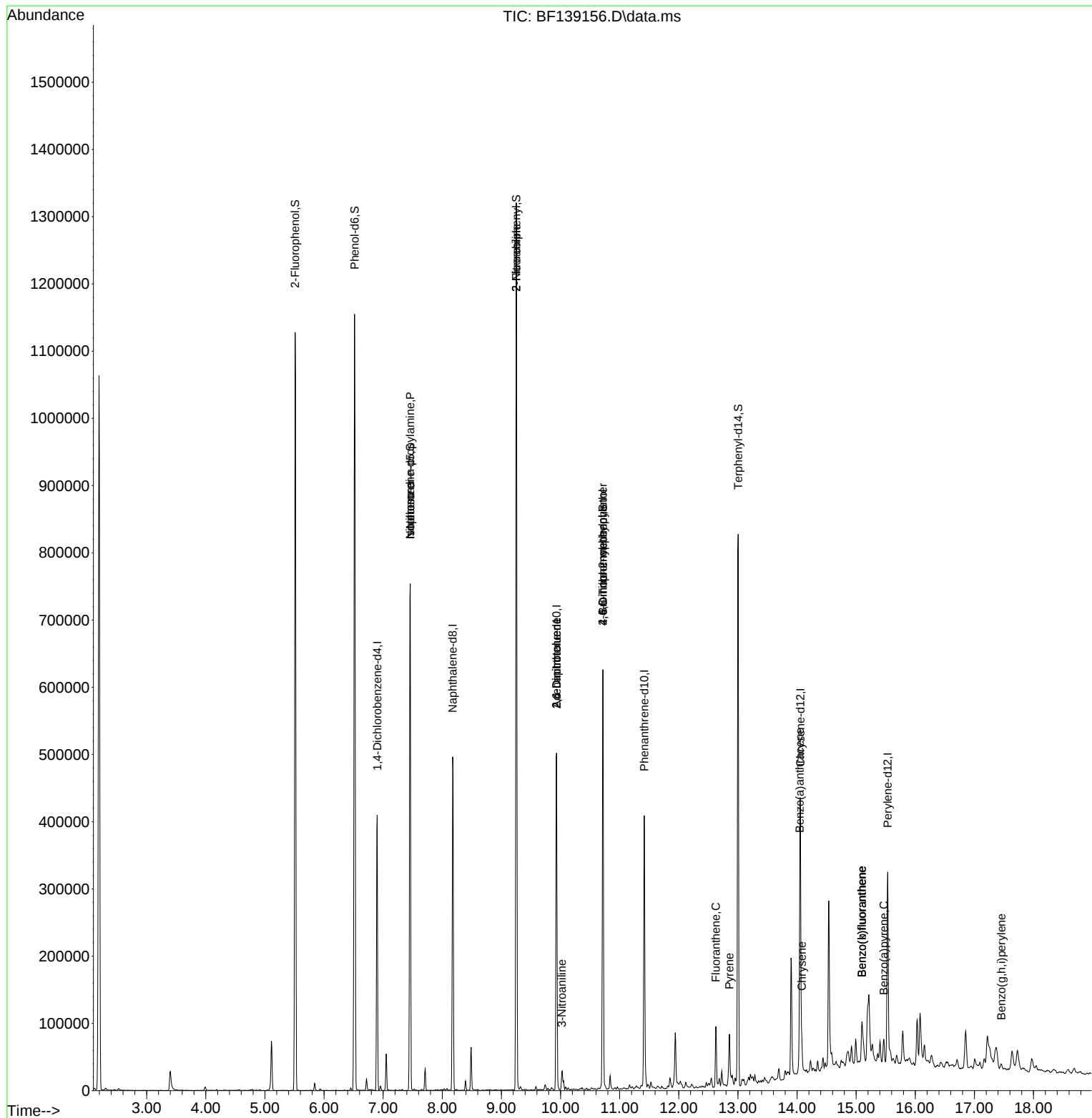
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	79755	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	290547	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	150574	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	202566	20.000	ng	0.00
76) Chrysene-d12	14.057	240	168501	20.000	ng	0.00
86) Perylene-d12	15.533	264	157881	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	385197	74.307	ng	0.00
7) Phenol-d6	6.516	99	503884	75.226	ng	0.00
23) Nitrobenzene-d5	7.457	82	334508	67.086	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	93472	68.572	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	539889	56.889	ng	0.00
79) Terphenyl-d14	13.004	244	397555	39.149	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	45928	10.441	ng	# 80
25) Isophorone	7.457	82	334504	31.563	ng	# 69
48) 2-Nitroaniline	9.251	65	959	6.009	ng	# 1
51) 2,6-Dinitrotoluene	9.934	165	19953	14.211	ng	# 17
53) 3-Nitroaniline	10.022	138	135	4.240	ng	# 1
57) 2,4-Dinitrotoluene	9.934	165	19953	13.095	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.716	198	122	6.655	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	6395	2.979	ng	# 1
75) Fluoranthene	12.627	202	47335	4.307	ng	100
78) Pyrene	12.857	202	42926	3.053	ng	99
81) Benzo(a)anthracene	14.045	228	31193	2.816	ng	96
83) Chrysene	14.080	228	24525	2.443	ng	98
88) Benzo(b)fluoranthene	15.098	252	50272	4.884	ng	# 96
89) Benzo(k)fluoranthene	15.098	252	50272	5.864	ng	# 96
90) Benzo(a)pyrene	15.468	252	21093	2.593	ng	99
92) Benzo(g,h,i)perylene	17.457	276	8614	3.731	ng	95

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

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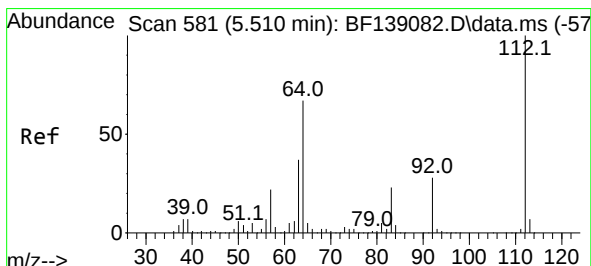
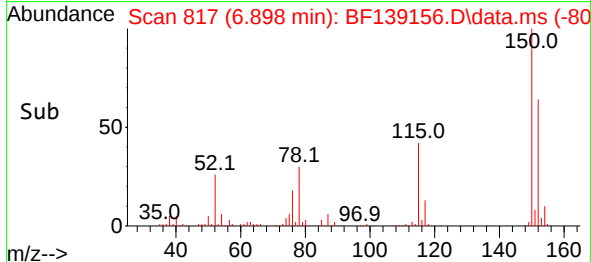
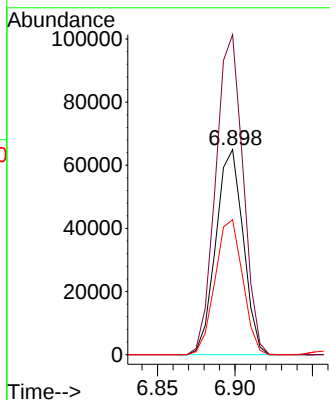
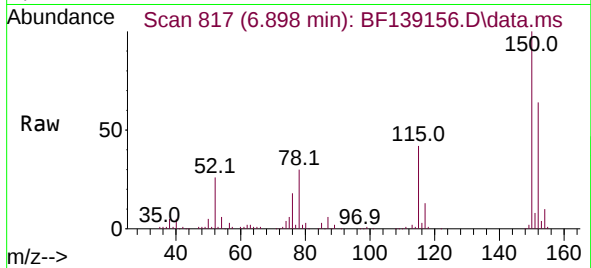




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

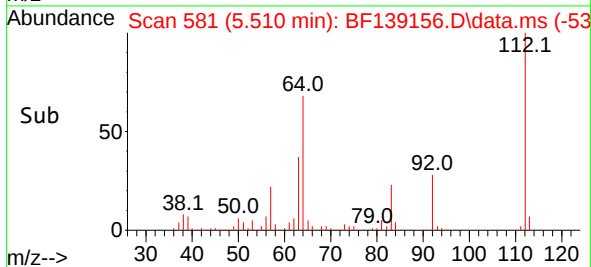
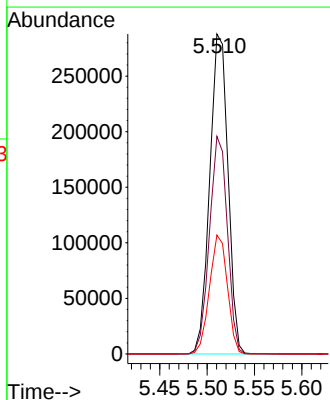
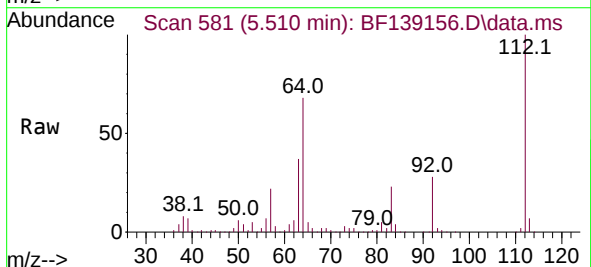
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0.5-1-082024

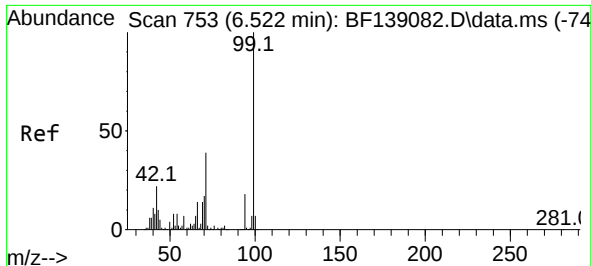
Tgt Ion:152 Resp: 79755
Ion Ratio Lower Upper
152 100
150 156.0 125.1 187.7
115 65.7 51.8 77.6



#5
2-Fluorophenol
Concen: 74.307 ng
RT: 5.510 min Scan# 581
Delta R.T. -0.000 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

Tgt Ion:112 Resp: 385197
Ion Ratio Lower Upper
112 100
64 68.0 53.8 80.6
63 37.2 29.4 44.2

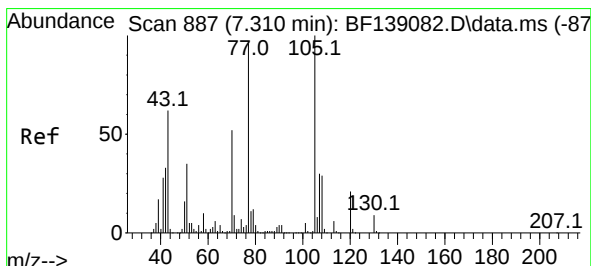
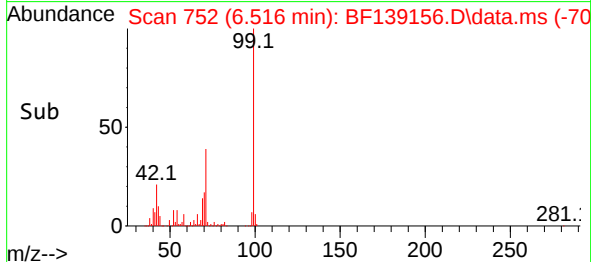
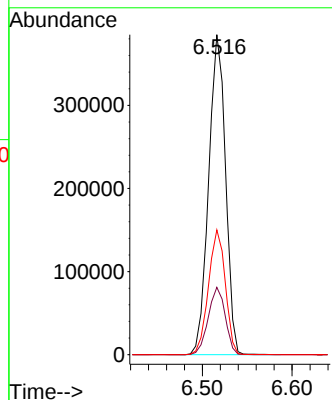
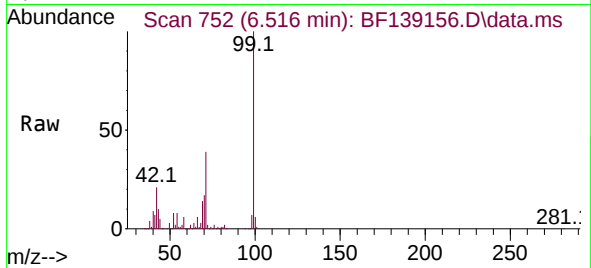




#7
Phenol-d6
Concen: 75.226 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

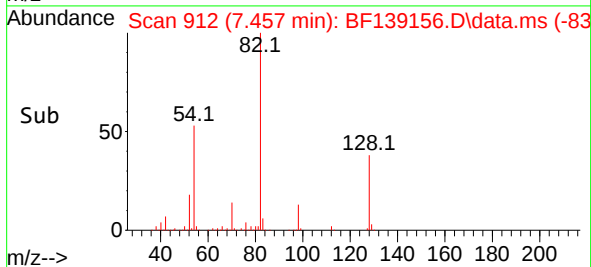
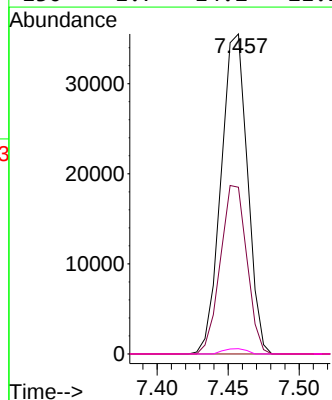
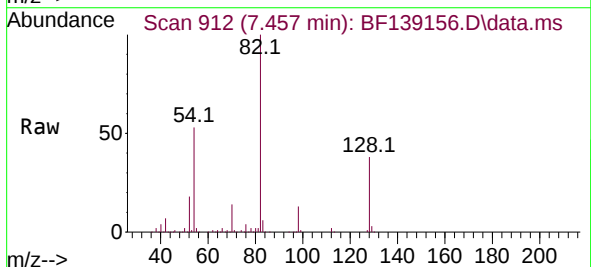
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0.5-1-082024

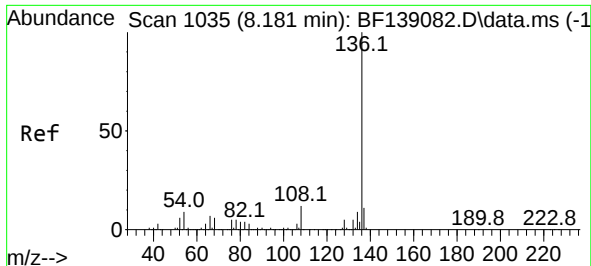
Tgt Ion: 99 Resp: 503884
Ion Ratio Lower Upper
99 100
42 21.1 17.4 26.2
71 39.0 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.441 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

Tgt Ion: 70 Resp: 45928
Ion Ratio Lower Upper
70 100
42 52.1 50.5 75.7
101 0.0 7.2 10.8#
130 1.7 14.2 21.2#

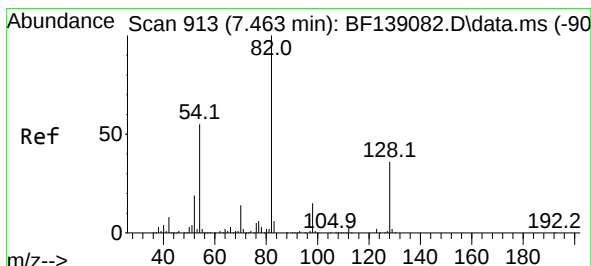
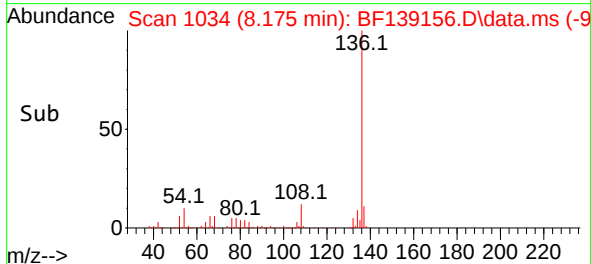
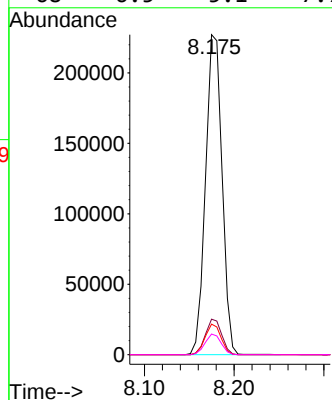
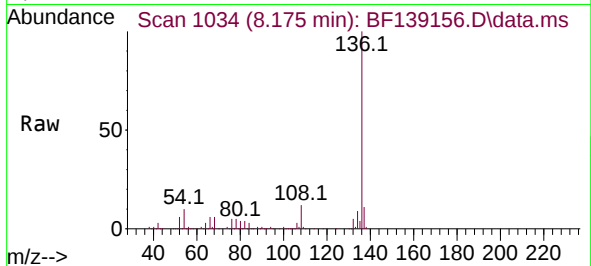




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

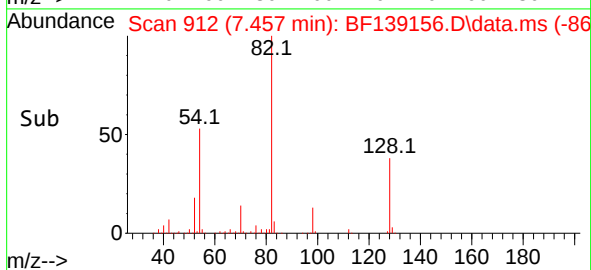
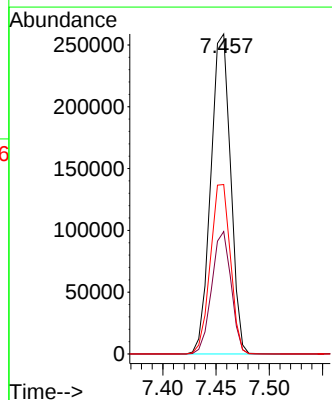
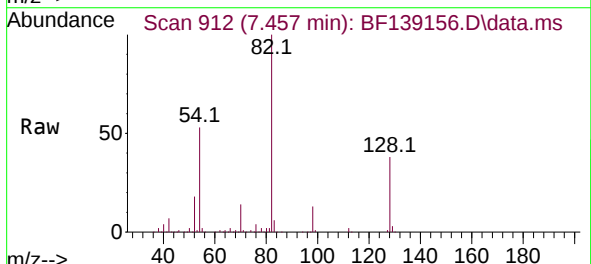
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0.5-1-082024

Tgt Ion:	136	Resp:	290547
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	9.6	7.6	11.4
68	6.5	5.1	7.7



#23
Nitrobenzene-d5
Concen: 67.086 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

Tgt Ion:	82	Resp:	334508
Ion	Ratio	Lower	Upper
82	100		
128	38.3	29.0	43.4
54	52.9	43.4	65.2

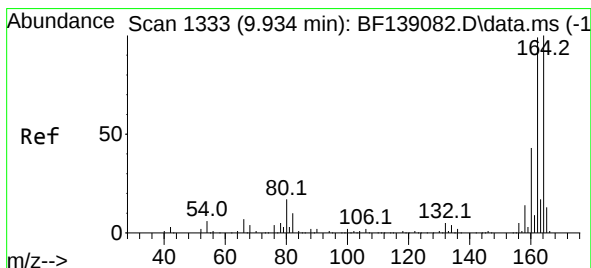
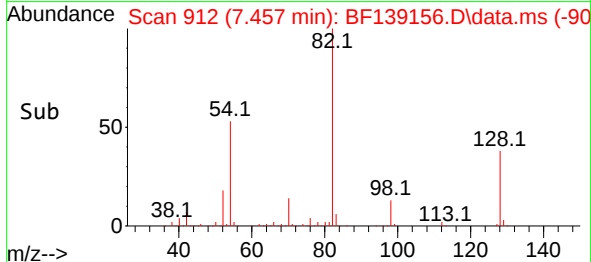
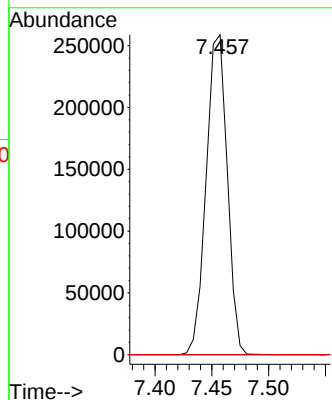
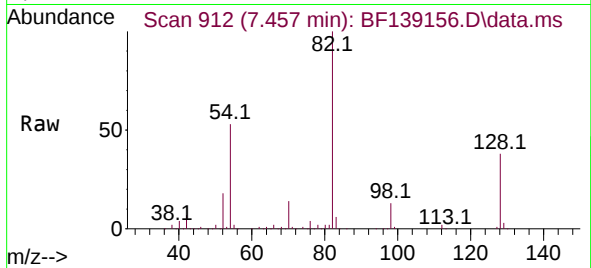




#25
Isophorone
Concen: 31.563 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.259 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

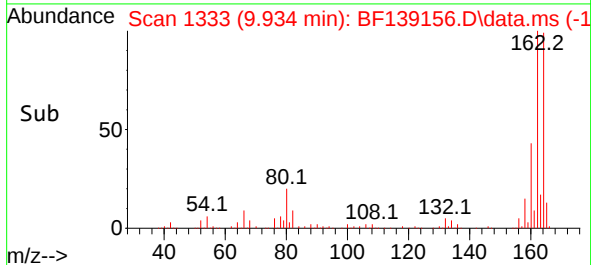
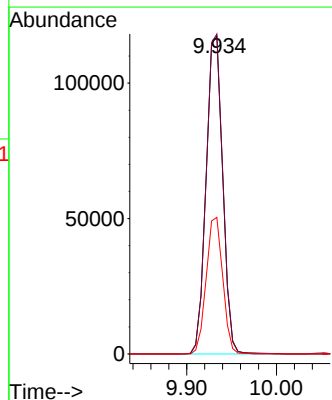
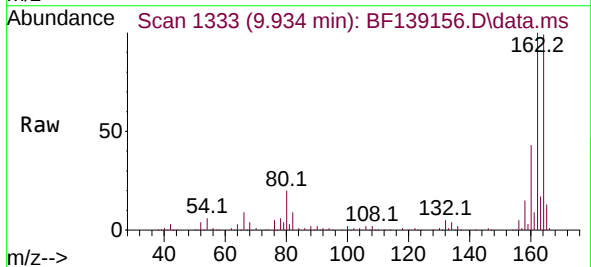
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0.5-1-082024

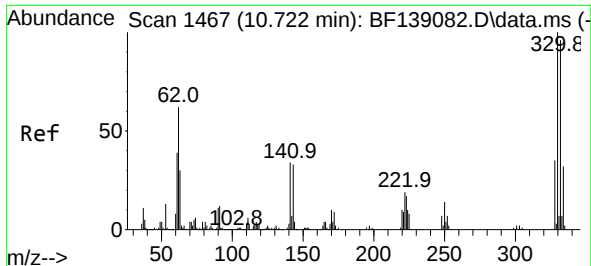
Tgt Ion: 82 Resp: 334504
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

Tgt Ion:164 Resp: 150574
Ion Ratio Lower Upper
164 100
162 100.8 79.5 119.3
160 43.0 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 68.572 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139156.D

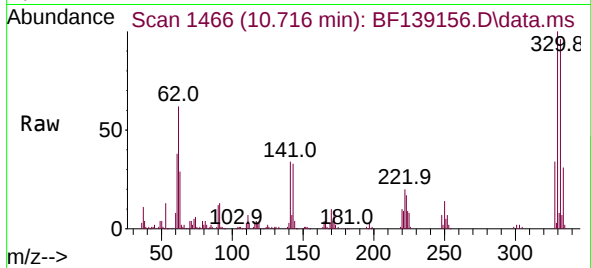
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Instrument :

BNA_F

ClientSampleId :

S-930-K1-SO-0.5-1-082024



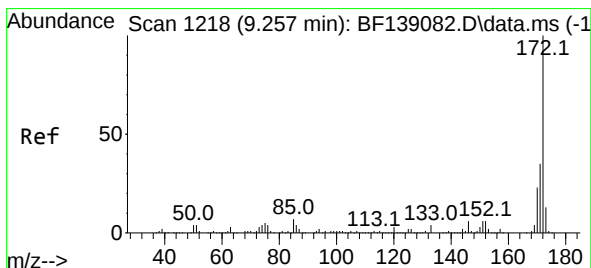
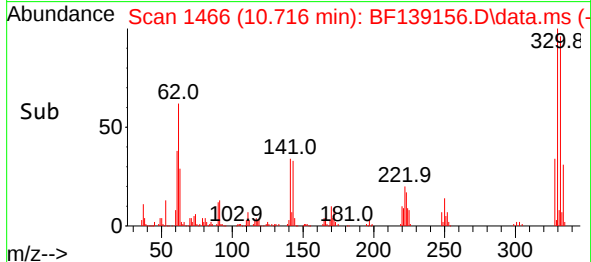
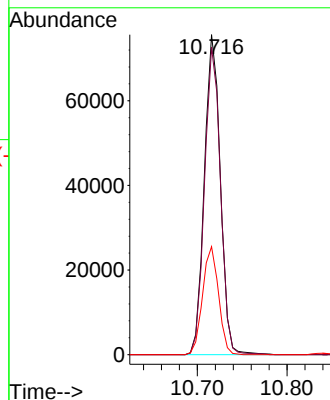
Tgt Ion:330 Resp: 93472

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

141 33.6 27.5 41.3



#45

2-Fluorobiphenyl

Concen: 56.889 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF139156.D

Acq: 23 Aug 2024 19:45

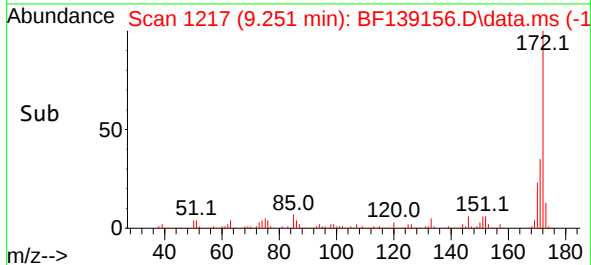
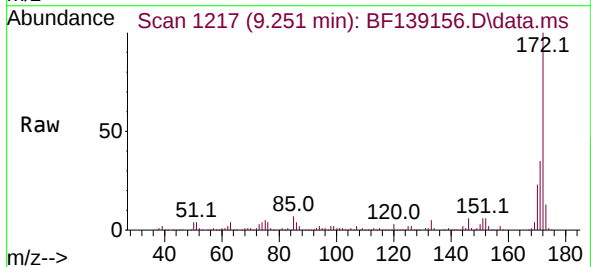
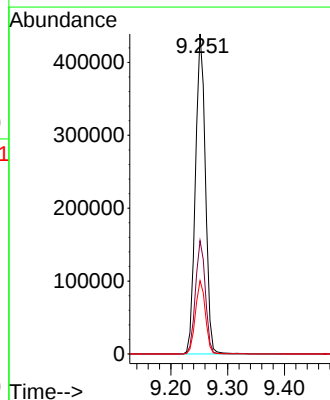
Tgt Ion:172 Resp: 539889

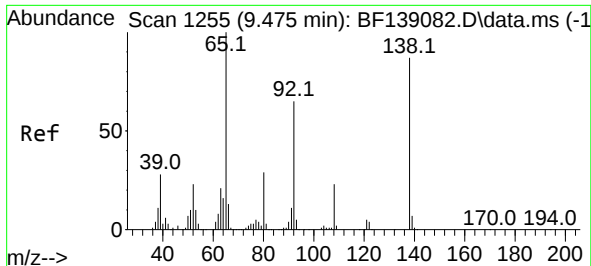
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 22.9 18.8 28.2





#48

2-Nitroaniline

Concen: 6.009 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.224 min

Lab File: BF139156.D

Acq: 23 Aug 2024 19:45

Instrument :

BNA_F

ClientSampleId :

S-930-K1-SO-0.5-1-082024

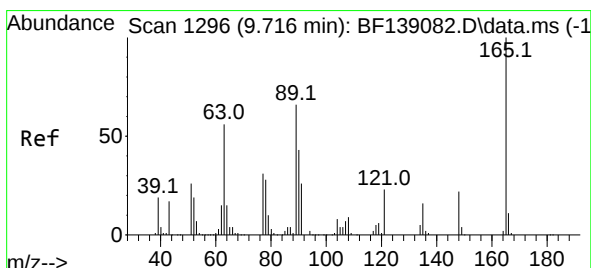
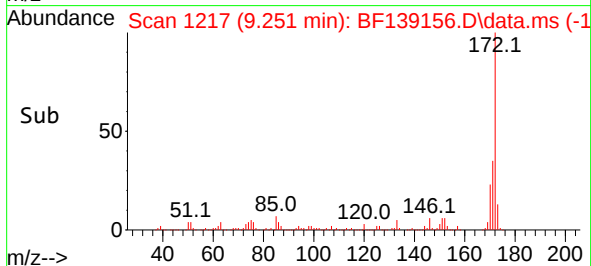
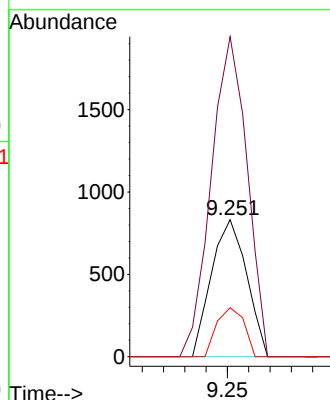
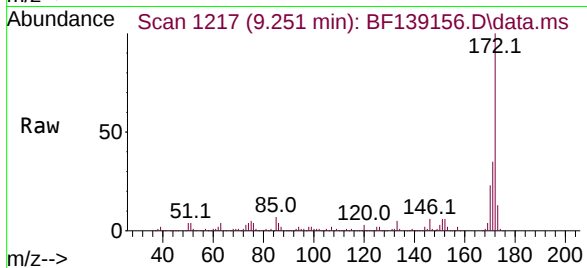
Tgt Ion: 65 Resp: 959

Ion Ratio Lower Upper

65 100

92 233.5 52.4 78.6#

138 35.8 69.4 104.0#



#51

2,6-Dinitrotoluene

Concen: 14.211 ng

RT: 9.934 min Scan# 1333

Delta R.T. 0.218 min

Lab File: BF139156.D

Acq: 23 Aug 2024 19:45

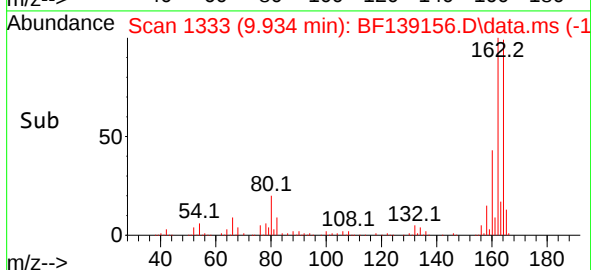
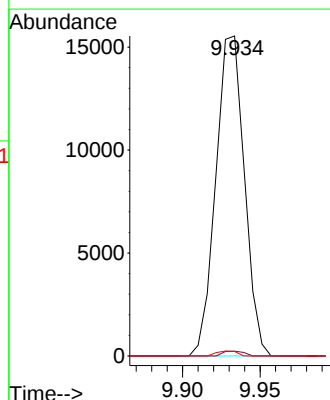
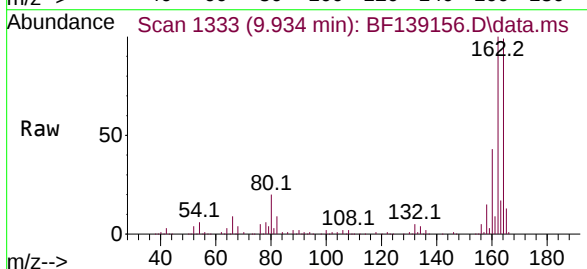
Tgt Ion: 165 Resp: 19953

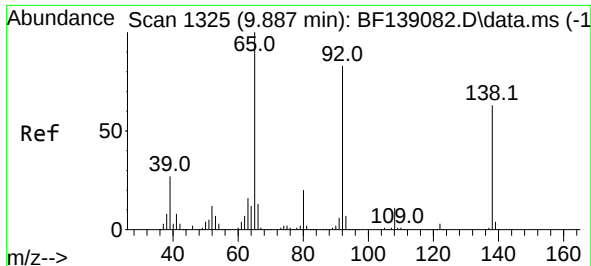
Ion Ratio Lower Upper

165 100

63 1.5 58.0 87.0#

89 1.4 53.3 79.9#

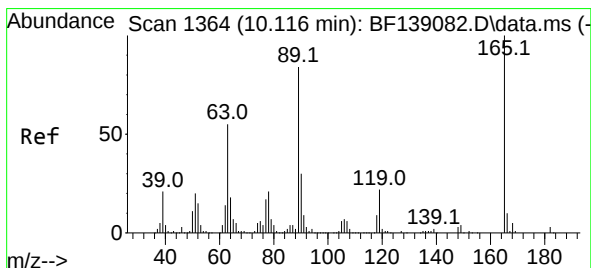
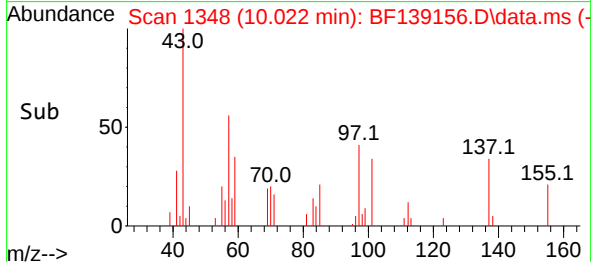
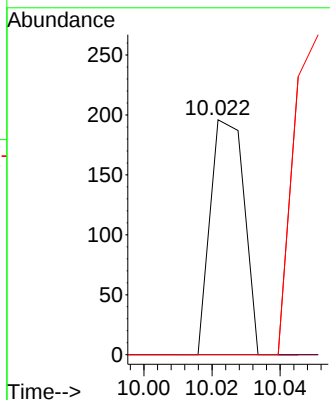
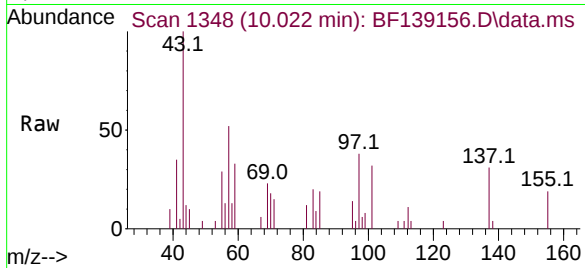




#53
3-Nitroaniline
Concen: 4.240 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.135 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

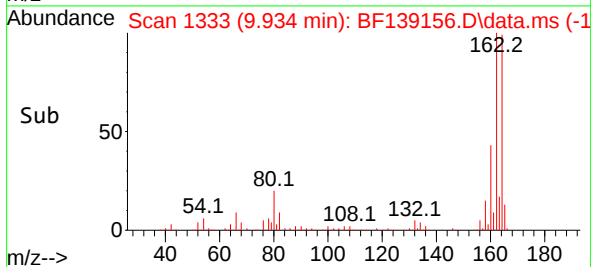
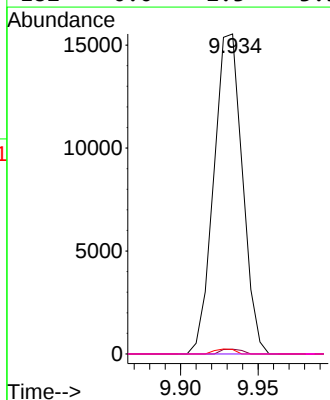
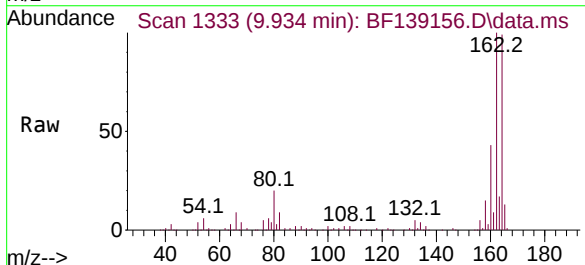
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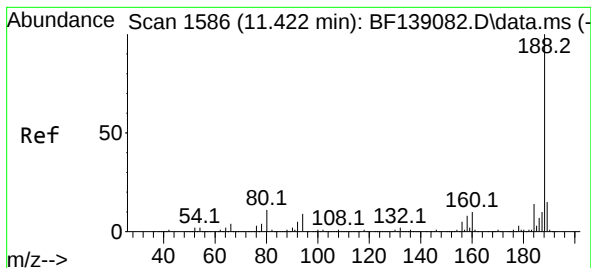
Tgt Ion:138 Resp: 135
Ion Ratio Lower Upper
138 100
108 0.0 14.6 21.8#
92 0.0 105.9 158.9#



#57
2,4-Dinitrotoluene
Concen: 13.095 ng
RT: 9.934 min Scan# 1333
Delta R.T. -0.182 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

Tgt Ion:165 Resp: 19953
Ion Ratio Lower Upper
165 100
63 1.5 44.2 66.4#
89 1.4 67.4 101.2#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139156.D

Acq: 23 Aug 2024 19:45

Instrument :

BNA_F

ClientSampleId :

S-930-K1-SO-0.5-1-082024

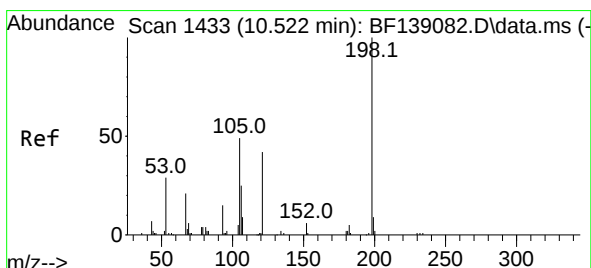
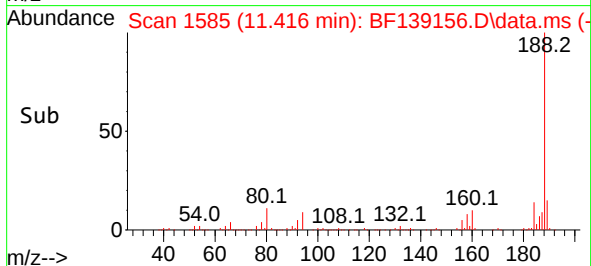
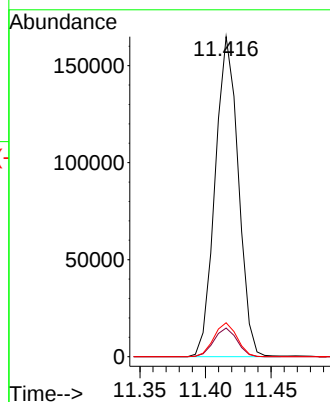
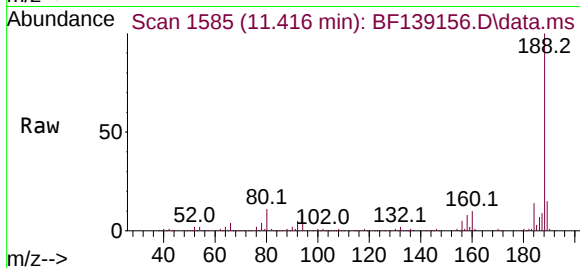
Tgt Ion:188 Resp: 202566

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

80 10.6 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 6.655 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.194 min

Lab File: BF139156.D

Acq: 23 Aug 2024 19:45

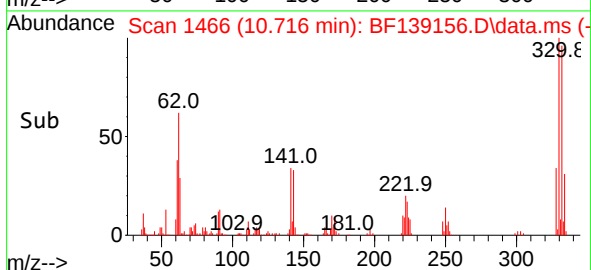
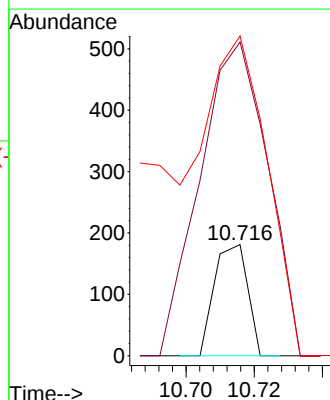
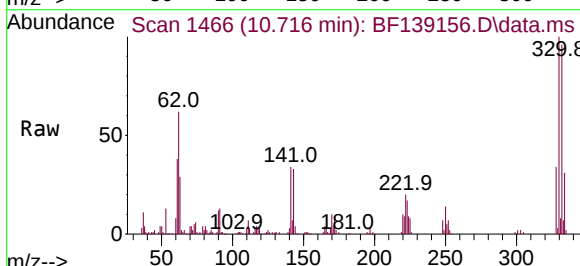
Tgt Ion:198 Resp: 122

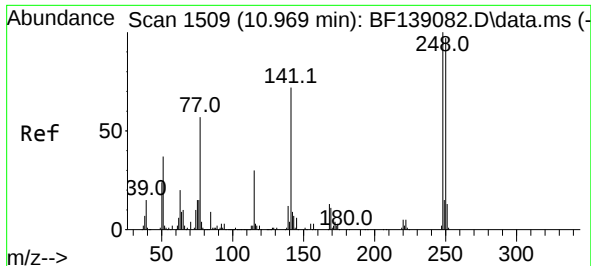
Ion Ratio Lower Upper

198 100

51 282.3 40.8 80.8#

105 287.8 30.9 70.9#

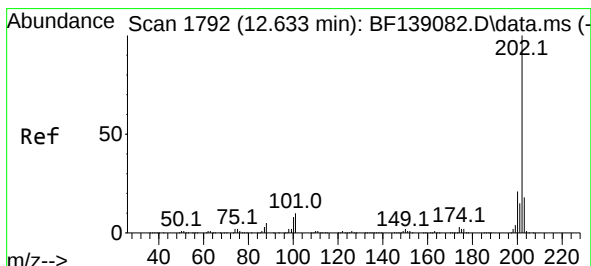
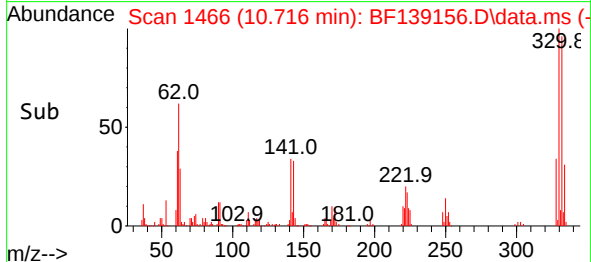
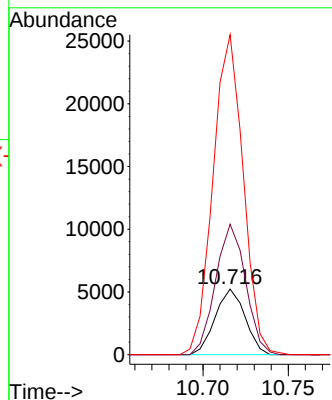
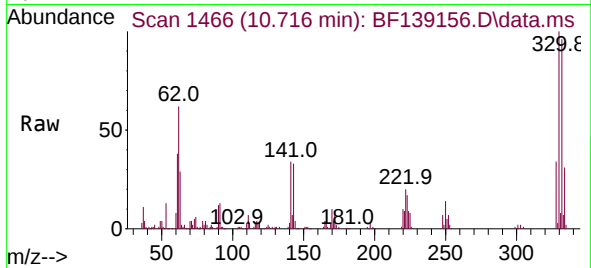




#67
4-Bromophenyl-phenylether
Concen: 2.979 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.253 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

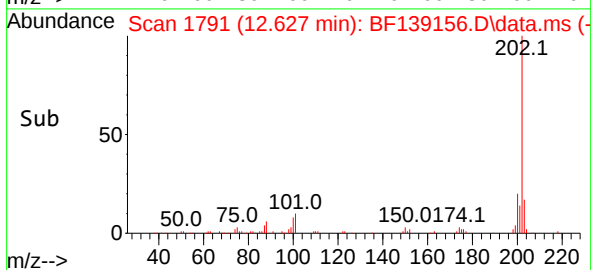
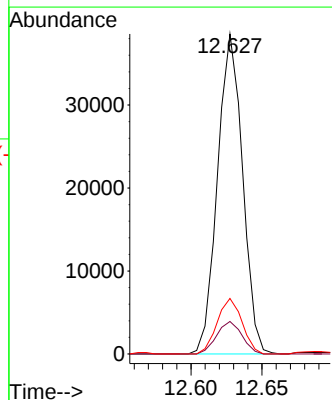
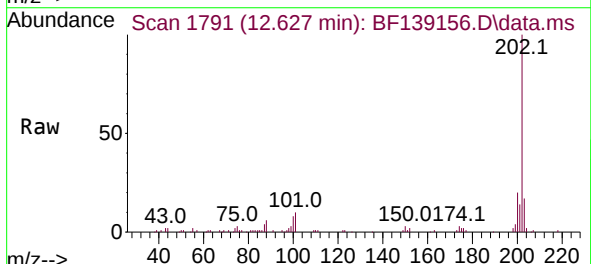
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0.5-1-082024

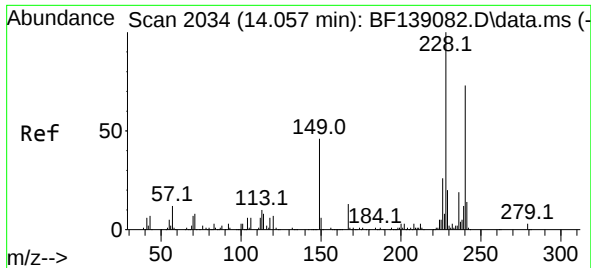
Tgt Ion:248 Resp: 6395
Ion Ratio Lower Upper
248 100
250 198.8 77.8 116.8#
141 487.7 57.9 86.9#



#75
Fluoranthene
Concen: 4.307 ng
RT: 12.627 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

Tgt Ion:202 Resp: 47335
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.2
203 17.4 0.0 37.6

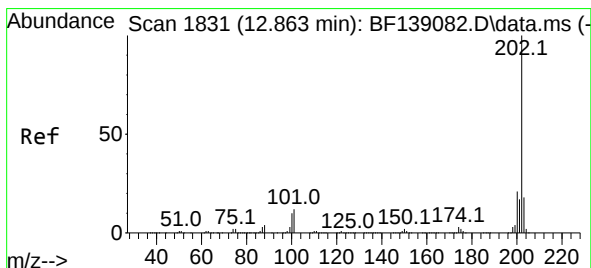
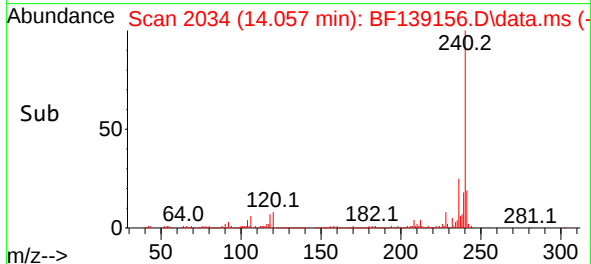
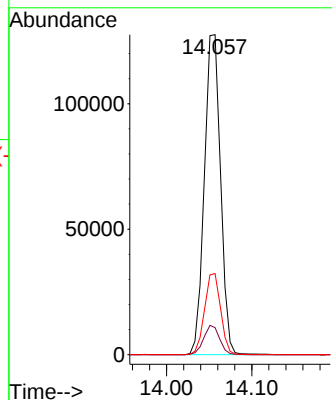
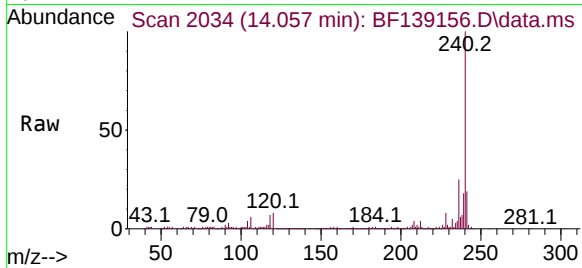




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

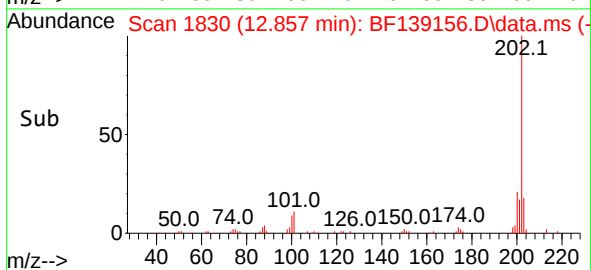
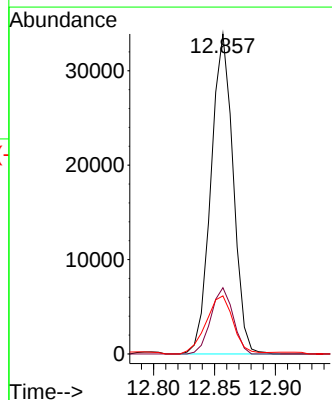
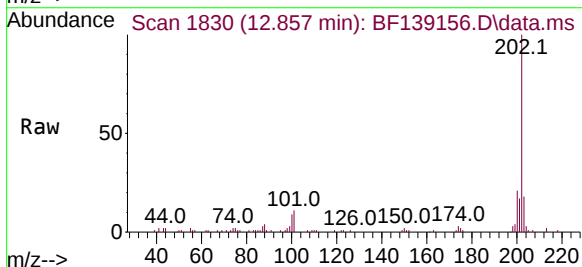
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0.5-1-082024

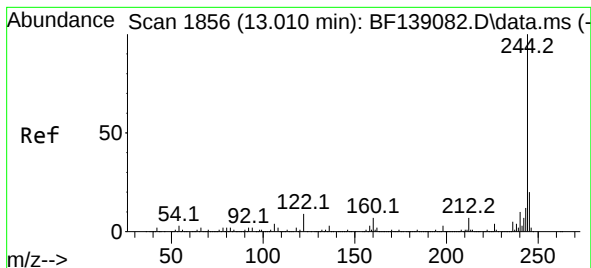
Tgt Ion:240 Resp: 168501
Ion Ratio Lower Upper
240 100
120 8.4 7.8 11.6
236 25.3 20.9 31.3



#78
Pyrene
Concen: 3.053 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

Tgt Ion:202 Resp: 42926
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 18.2 14.1 21.1





#79

Terphenyl-d14

Concen: 39.149 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139156.D

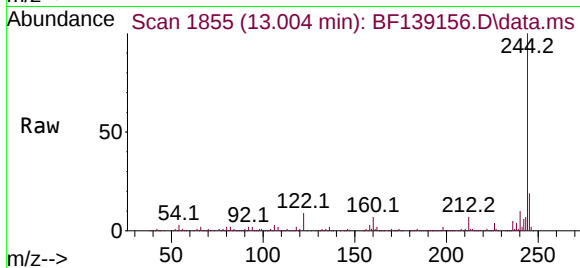
Acq: 23 Aug 2024 19:45

Instrument :

BNA_F

ClientSampleId :

S-930-K1-SO-0.5-1-082024



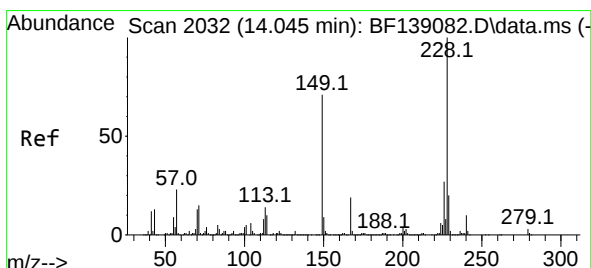
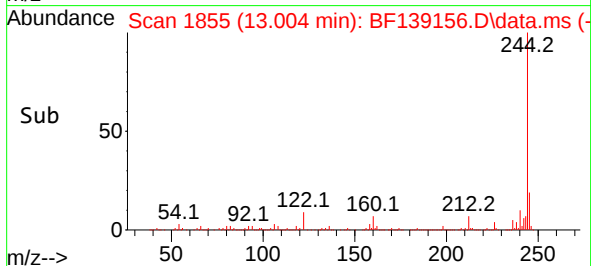
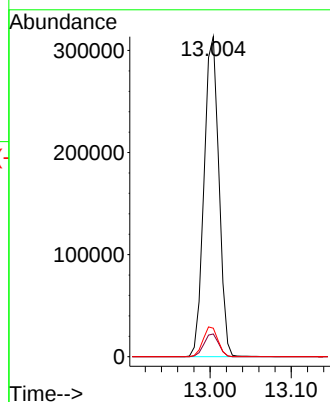
Tgt Ion:244 Resp: 397555

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 8.9 7.6 11.4



#81

Benzo(a)anthracene

Concen: 2.816 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF139156.D

Acq: 23 Aug 2024 19:45

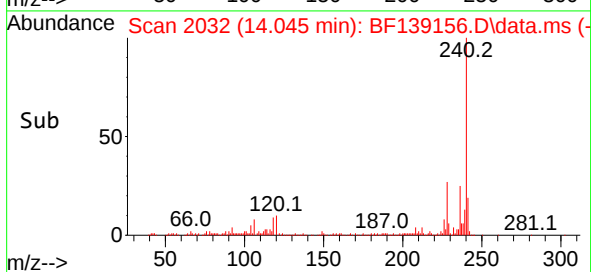
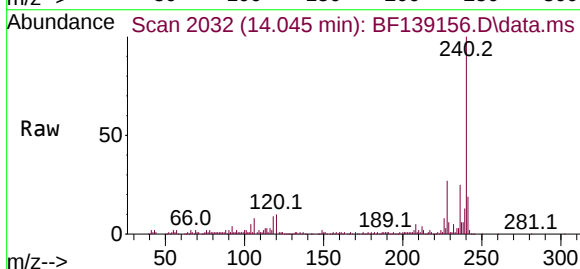
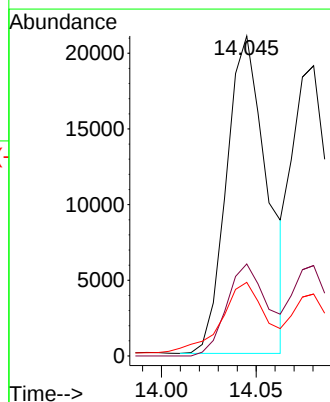
Tgt Ion:228 Resp: 31193

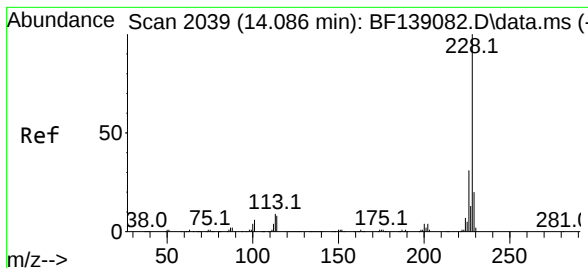
Ion Ratio Lower Upper

228 100

226 28.8 21.9 32.9

229 23.0 16.1 24.1





#83

Chrysene

Concen: 2.443 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF139156.D

Acq: 23 Aug 2024 19:45

Instrument :

BNA_F

ClientSampleId :

S-930-K1-SO-0.5-1-082024

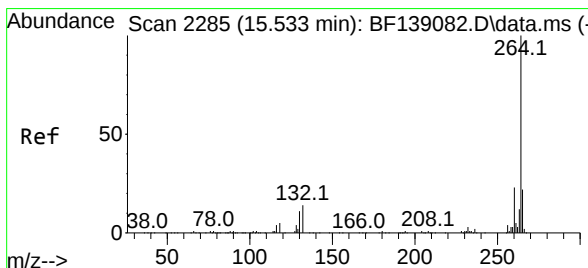
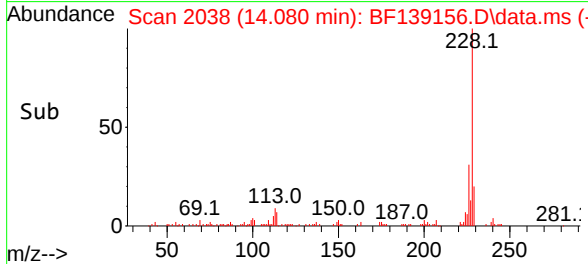
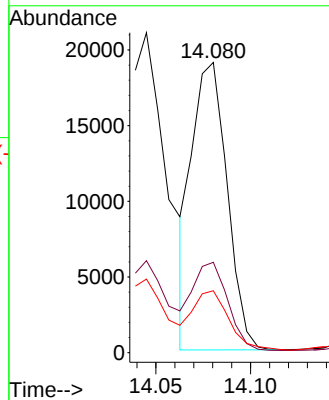
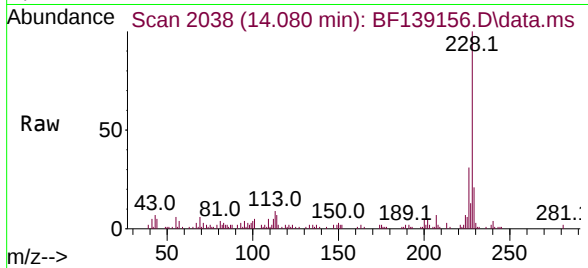
Tgt Ion:228 Resp: 24525

Ion Ratio Lower Upper

228 100

226 31.1 24.3 36.5

229 21.3 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. -0.000 min

Lab File: BF139156.D

Acq: 23 Aug 2024 19:45

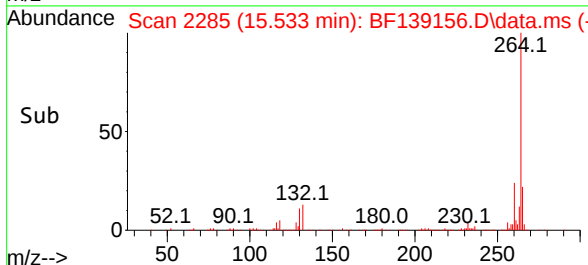
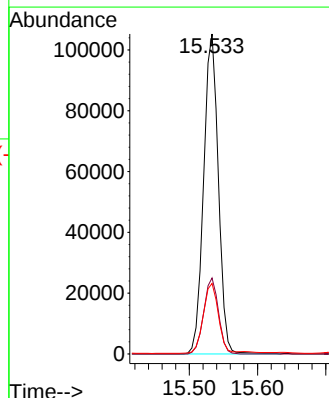
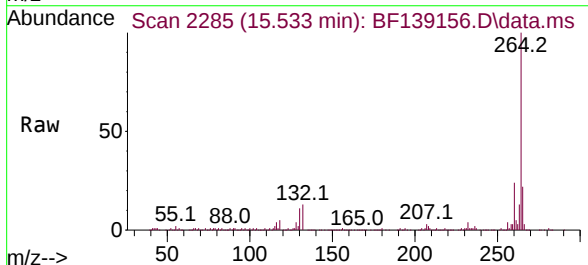
Tgt Ion:264 Resp: 157881

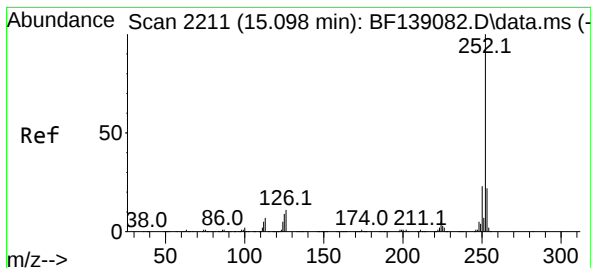
Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

265 22.1 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 4.884 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF139156.D

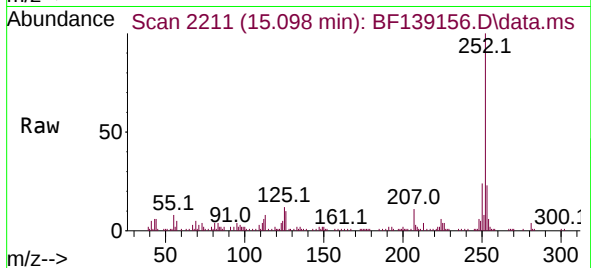
Acq: 23 Aug 2024 19:45

Instrument :

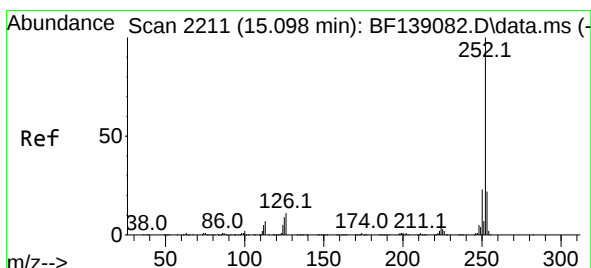
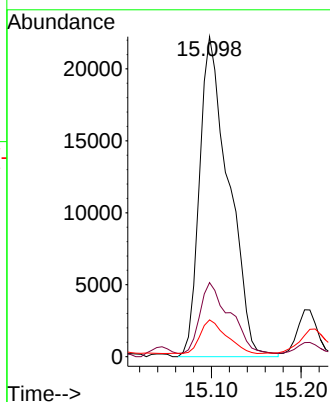
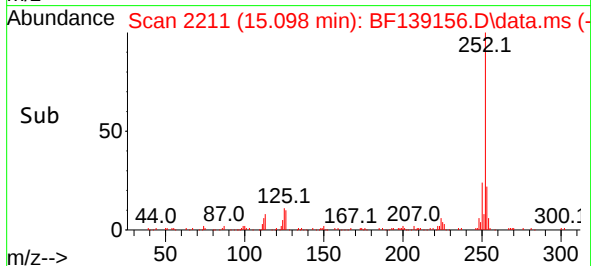
BNA_F

ClientSampleId :

S-930-K1-SO-0.5-1-082024



Tgt Ion:	252	Resp:	50272
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	11.5	7.0	10.6



#89

Benzo(k)fluoranthene

Concen: 5.864 ng

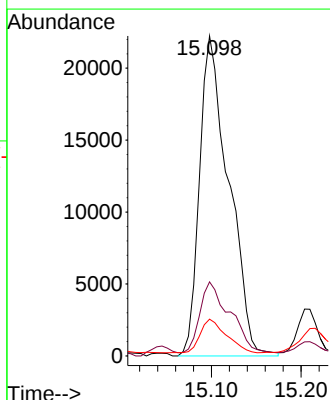
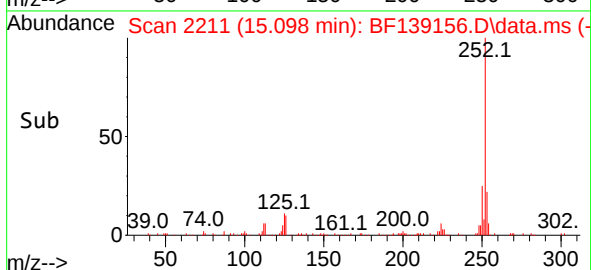
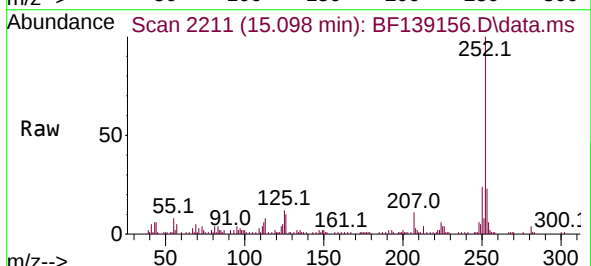
RT: 15.098 min Scan# 2211

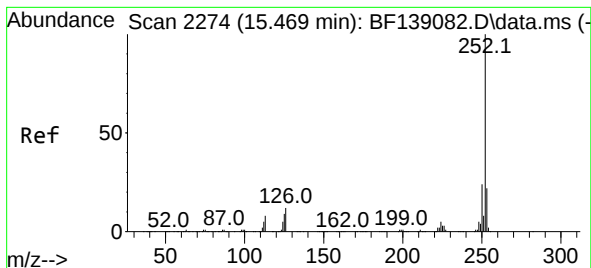
Delta R.T. -0.035 min

Lab File: BF139156.D

Acq: 23 Aug 2024 19:45

Tgt Ion:	252	Resp:	50272
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	11.5	7.0	10.6





#90

Benzo(a)pyrene

Concen: 2.593 ng

RT: 15.468 min Scan# 21093

Delta R.T. -0.000 min

Lab File: BF139156.D

Acq: 23 Aug 2024 19:45

Instrument :

BNA_F

ClientSampleId :

S-930-K1-SO-0.5-1-082024

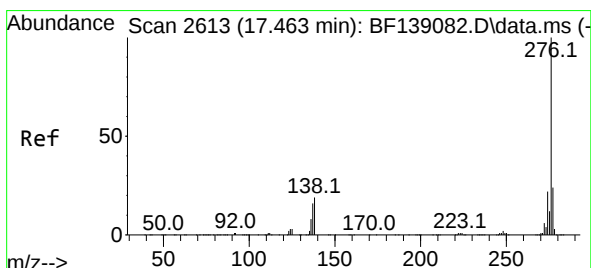
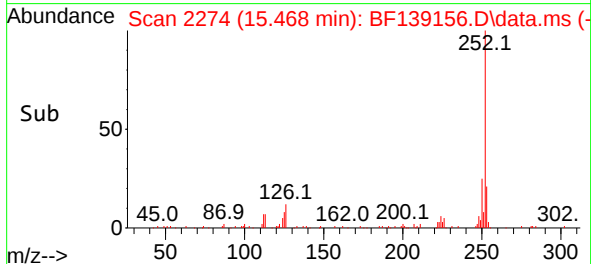
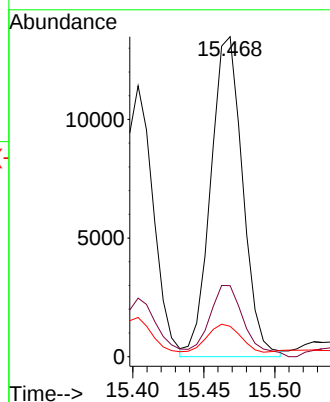
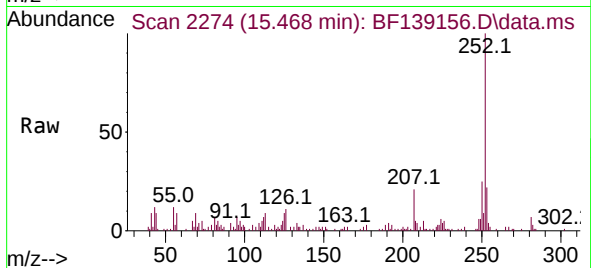
Tgt Ion:252 Resp: 21093

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 9.5 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 3.731 ng

RT: 17.457 min Scan# 2612

Delta R.T. -0.006 min

Lab File: BF139156.D

Acq: 23 Aug 2024 19:45

Tgt Ion:276 Resp: 8614

Ion Ratio Lower Upper

276 100

277 25.1 18.8 28.2

138 21.9 15.0 22.4

