

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082324\
 Data File : BF139157.D
 Acq On : 23 Aug 2024 20:15
 Operator : RC/JU
 Sample : P3707-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-930-K1-SO-0-0.5-082024

Quant Time: Aug 23 23:22:28 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)

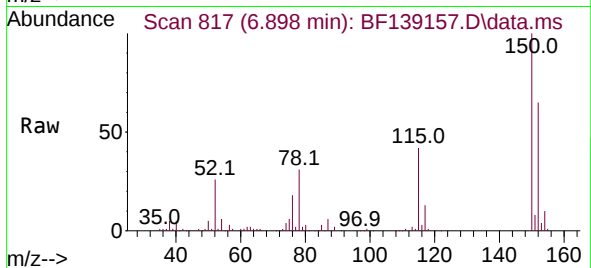
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	86122	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	306315	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	156342	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	214184	20.000	ng	0.00
76) Chrysene-d12	14.057	240	186132	20.000	ng	0.00
86) Perylene-d12	15.533	264	158190	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	386284	69.007	ng	0.00
7) Phenol-d6	6.516	99	498313	68.895	ng	0.00
23) Nitrobenzene-d5	7.457	82	327765	62.350	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	90030	63.610	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	466813	47.374	ng	0.00
79) Terphenyl-d14	13.004	244	352312	31.407	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	44450	9.358	ng	# 77
25) Isophorone	7.457	82	327762	29.335	ng	# 69
32) Benzoic acid	7.987	122	327	8.439	ng	# 15
48) 2-Nitroaniline	9.251	65	869	5.964	ng	# 1
51) 2,6-Dinitrotoluene	9.934	165	19031	13.422	ng	# 16
53) 3-Nitroaniline	10.022	138	210	4.272	ng	# 1
57) 2,4-Dinitrotoluene	9.934	165	19031	12.480	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.716	198	139	6.669	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	6177	2.722	ng	# 1
88) Benzo(b)fluoranthene	15.098	252	24588	2.384	ng	# 94
89) Benzo(k)fluoranthene	15.098	252	24588	2.863	ng	# 94
92) Benzo(g,h,i)perylene	17.457	276	4510	3.284	ng	98

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

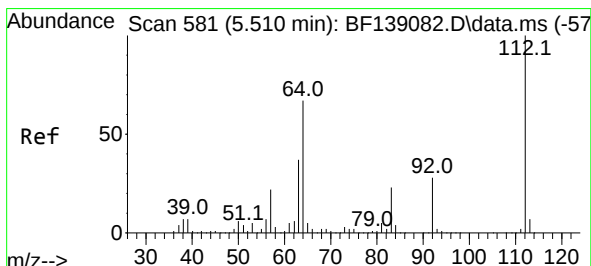
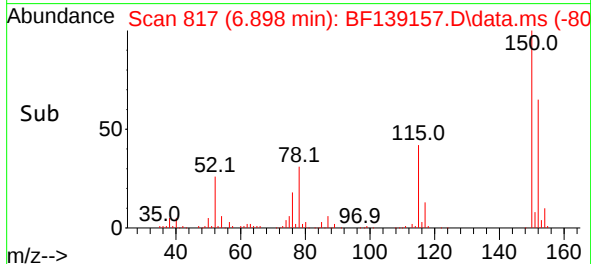
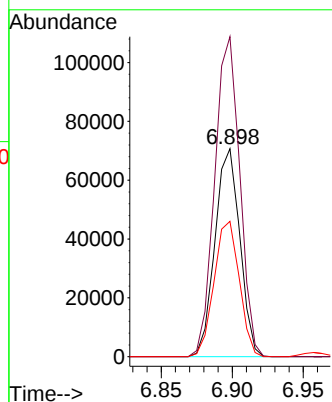


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0-0.5-082024

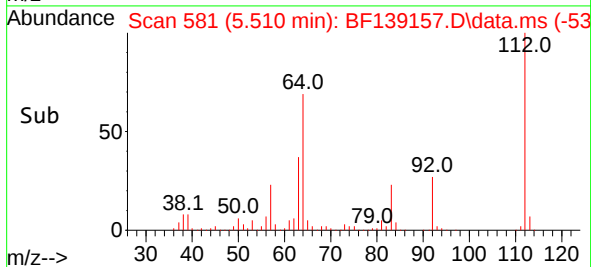
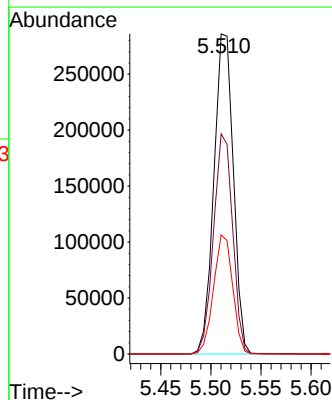
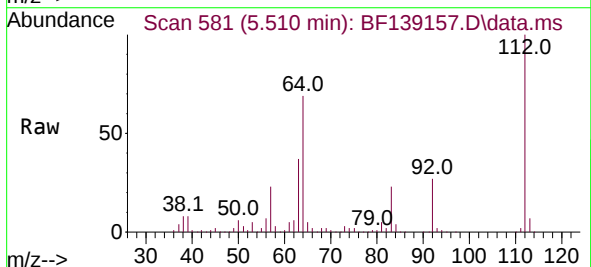


Tgt Ion:152 Resp: 86122
Ion Ratio Lower Upper
152 100
150 153.8 125.1 187.7
115 65.1 51.8 77.6



#5
2-Fluorophenol
Concen: 69.007 ng
RT: 5.510 min Scan# 581
Delta R.T. -0.000 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

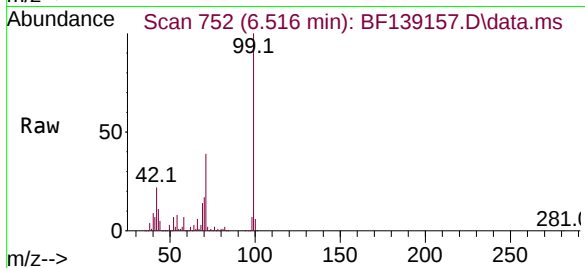
Tgt Ion:112 Resp: 386284
Ion Ratio Lower Upper
112 100
64 68.8 53.8 80.6
63 37.2 29.4 44.2



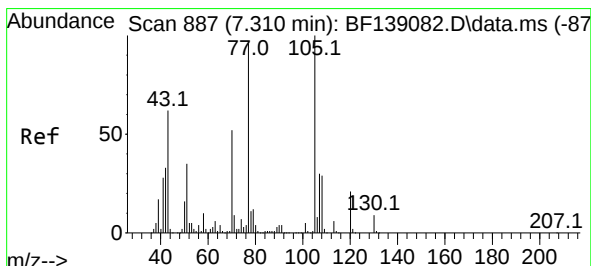
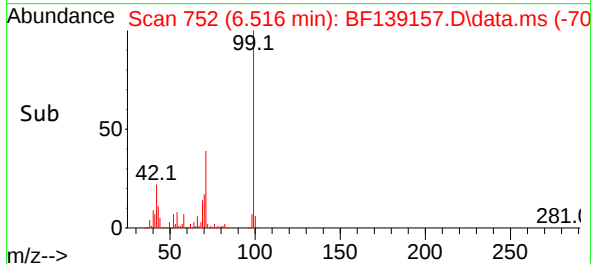
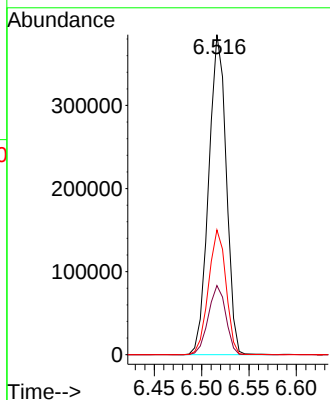


#7
Phenol-d6
Concen: 68.895 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0-0.5-082024

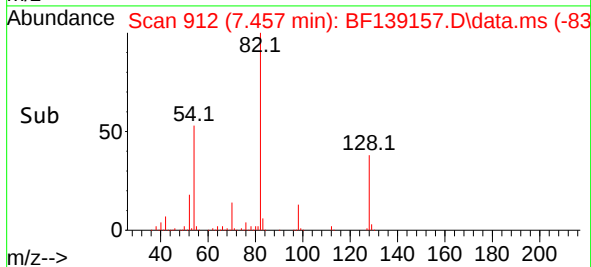
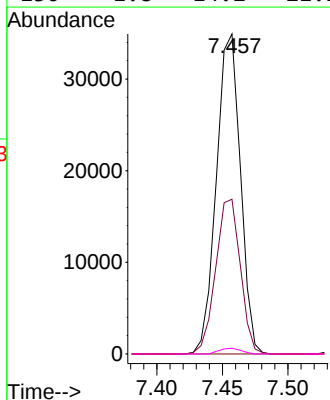
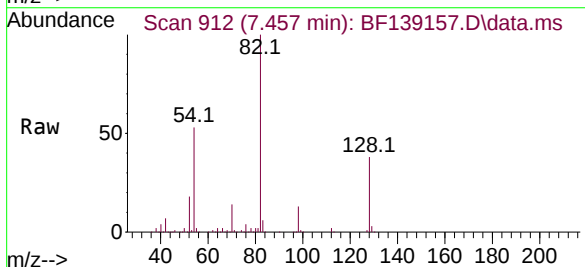


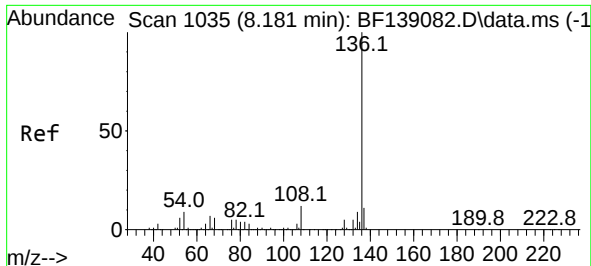
Tgt Ion: 99 Resp: 498313
Ion Ratio Lower Upper
99 100
42 21.6 17.4 26.2
71 39.0 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.358 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

Tgt Ion: 70 Resp: 44450
Ion Ratio Lower Upper
70 100
42 48.4 50.5 75.7#
101 0.0 7.2 10.8#
130 1.8 14.2 21.2#

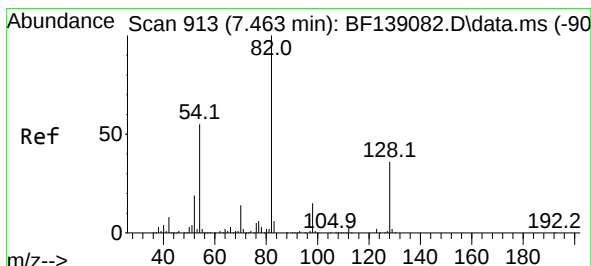
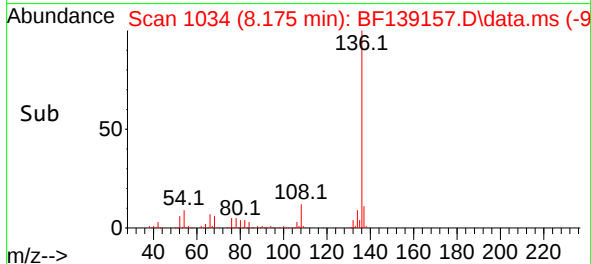
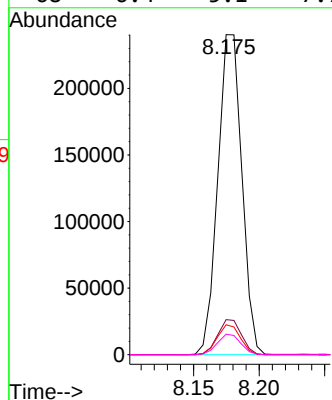
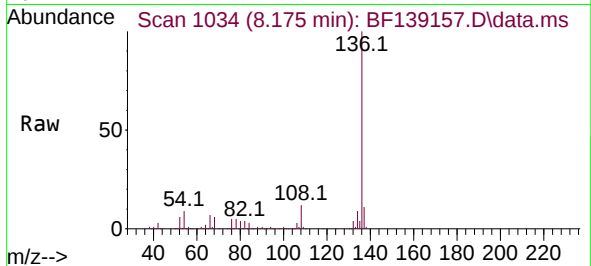




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

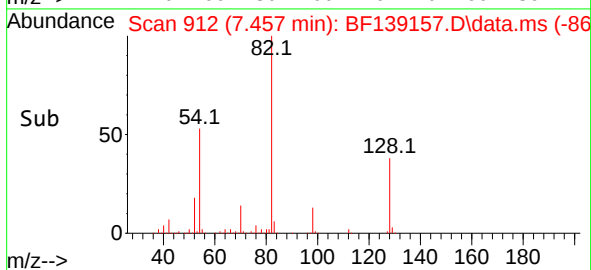
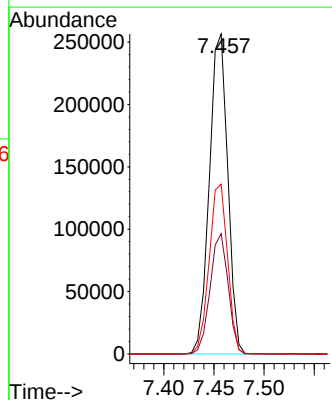
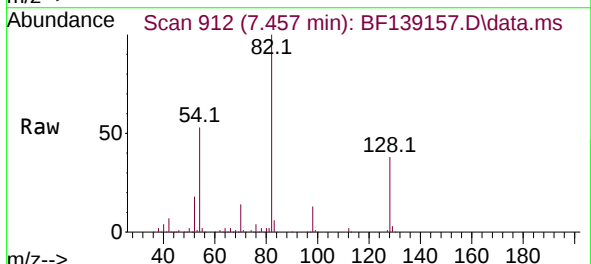
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0-0.5-082024

Tgt Ion:	136	Resp:	306315
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.4	7.6	11.4
68	6.4	5.1	7.7



#23
Nitrobenzene-d5
Concen: 62.350 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

Tgt Ion:	82	Resp:	327765
Ion	Ratio	Lower	Upper
82	100		
128	37.6	29.0	43.4
54	53.0	43.4	65.2

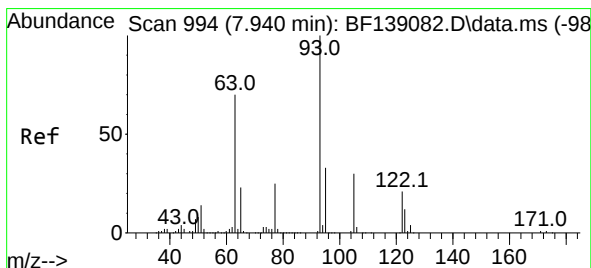
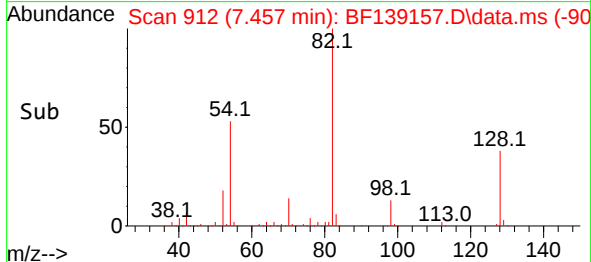
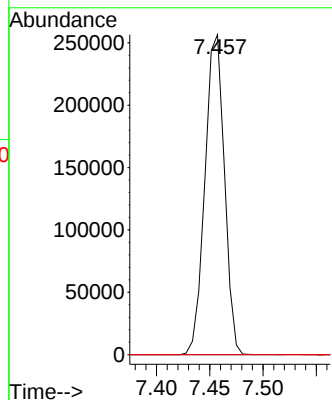
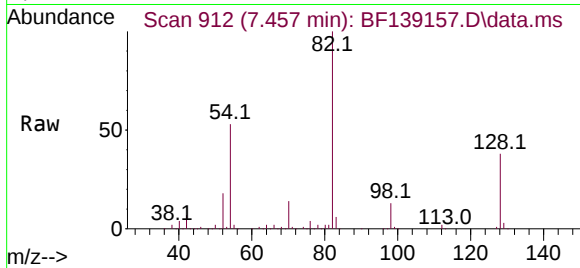




#25
Isophorone
Concen: 29.335 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

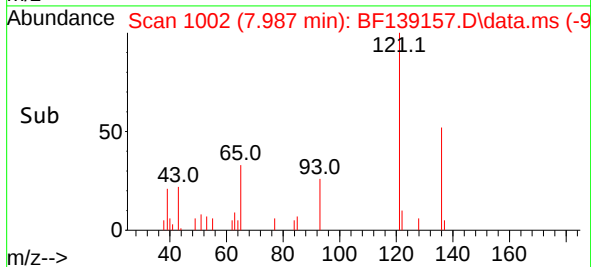
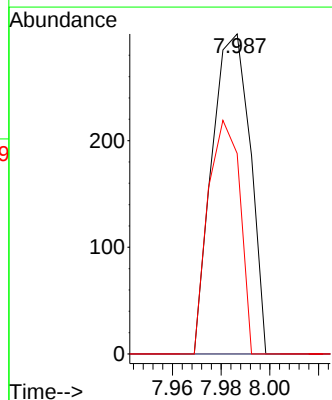
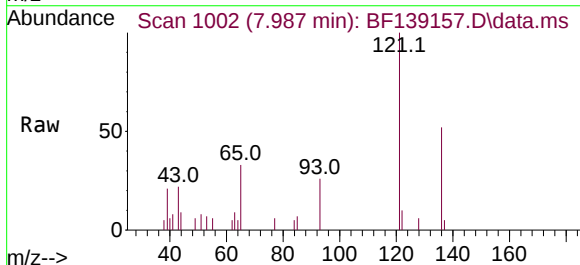
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0-0.5-082024

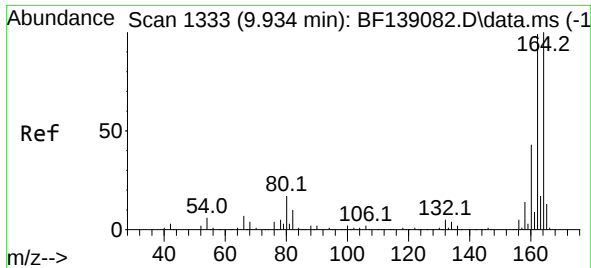
Tgt Ion: 82 Resp: 327762
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 8.439 ng
RT: 7.987 min Scan# 1002
Delta R.T. 0.047 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

Tgt Ion: 122 Resp: 327
Ion Ratio Lower Upper
122 100
105 0.0 119.6 159.6#
77 62.7 97.6 137.6#

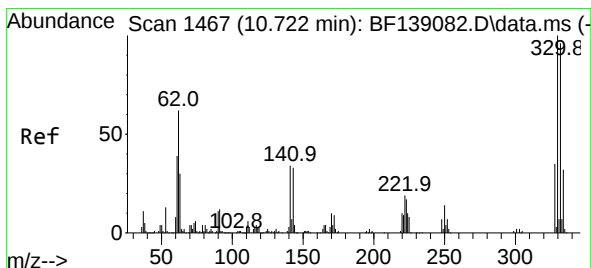
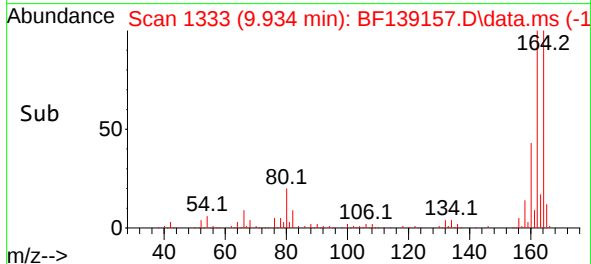
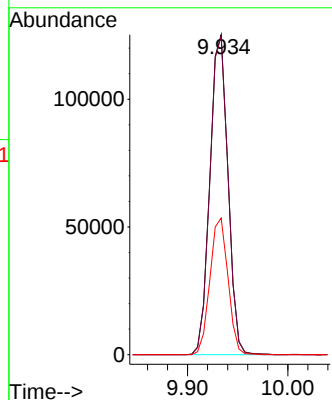
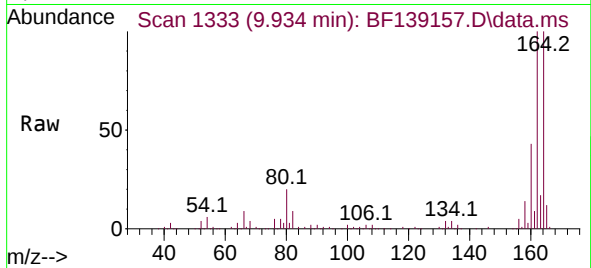




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

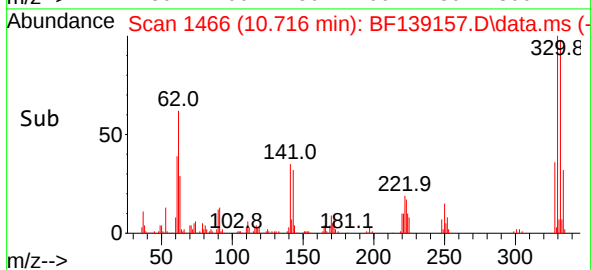
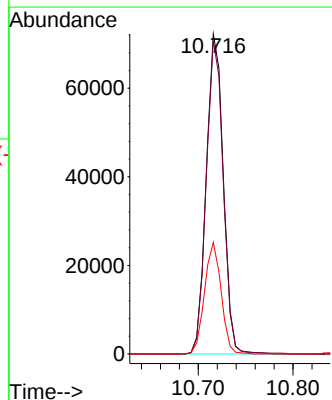
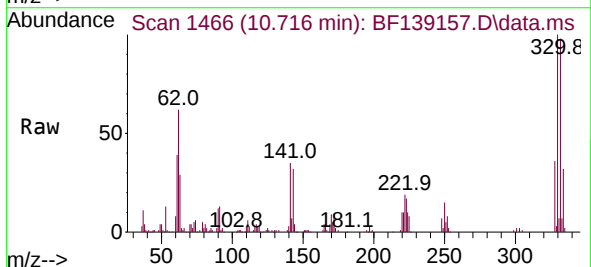
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0-0.5-082024

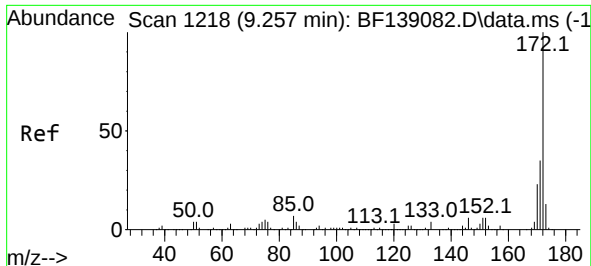
Tgt Ion:164 Resp: 156342
Ion Ratio Lower Upper
164 100
162 99.5 79.5 119.3
160 42.7 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 63.610 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

Tgt Ion:330 Resp: 90030
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.6
141 33.9 27.5 41.3

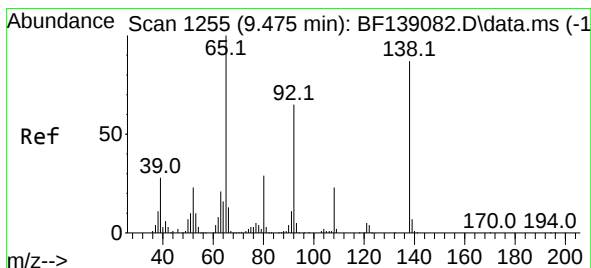
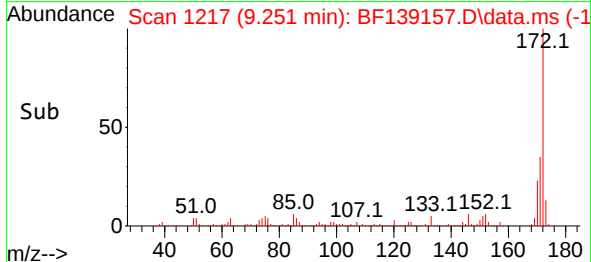
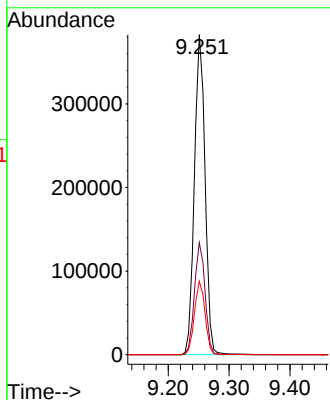
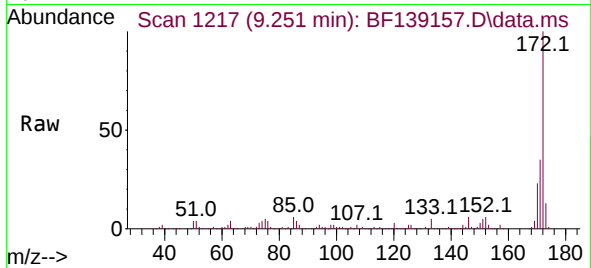




#45
2-Fluorobiphenyl
Concen: 47.374 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

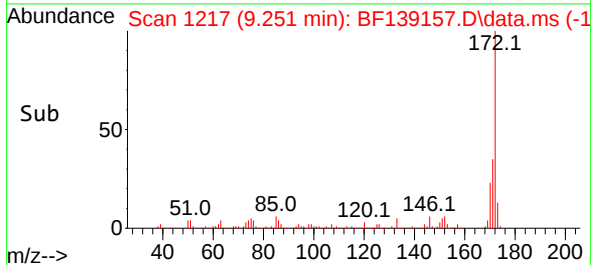
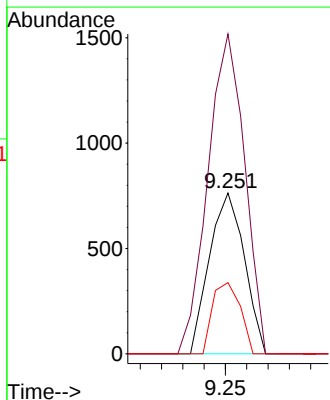
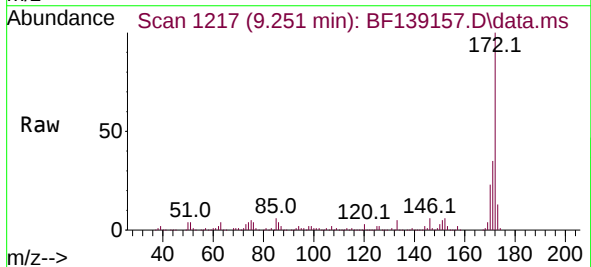
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0-0.5-082024

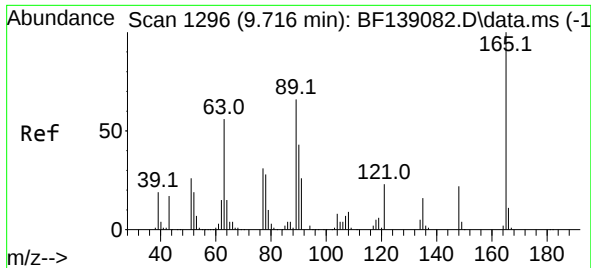
Tgt Ion:172 Resp: 466813
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 22.9 18.8 28.2



#48
2-Nitroaniline
Concen: 5.964 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.224 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

Tgt Ion: 65 Resp: 869
Ion Ratio Lower Upper
65 100
92 199.0 52.4 78.6#
138 44.3 69.4 104.0#





#51

2,6-Dinitrotoluene

Concen: 13.422 ng

RT: 9.934 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF139157.D

Acq: 23 Aug 2024 20:15

Instrument :

BNA_F

ClientSampleId :

S-930-K1-SO-0-0.5-082024

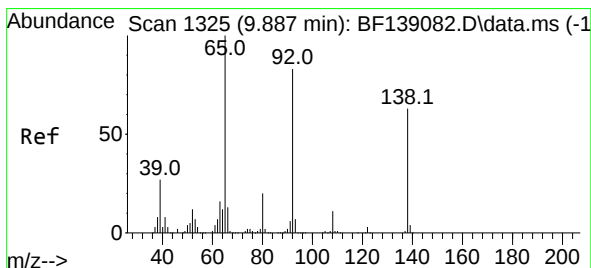
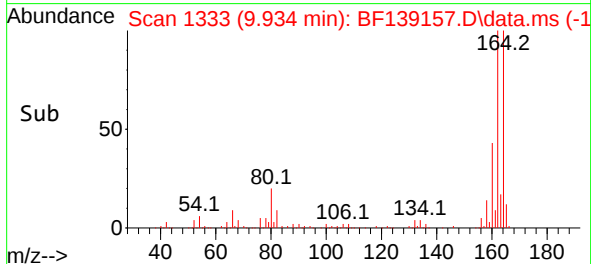
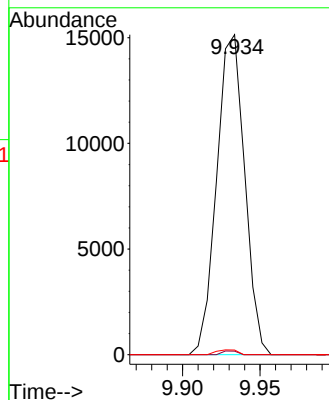
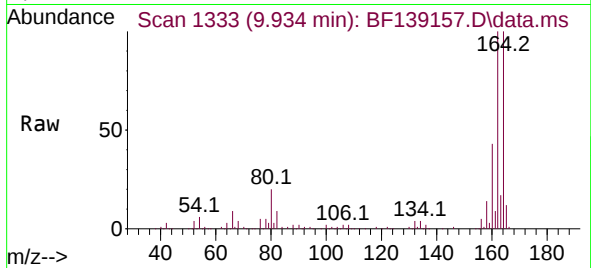
Tgt Ion:165 Resp: 19031

Ion Ratio Lower Upper

165 100

63 1.1 58.0 87.0#

89 1.4 53.3 79.9#



#53

3-Nitroaniline

Concen: 4.272 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.135 min

Lab File: BF139157.D

Acq: 23 Aug 2024 20:15

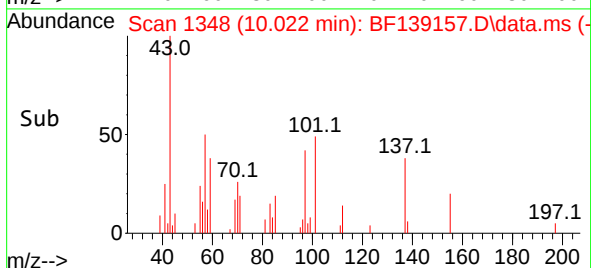
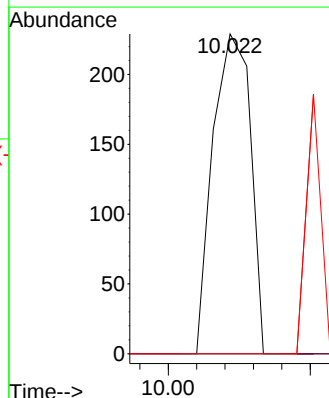
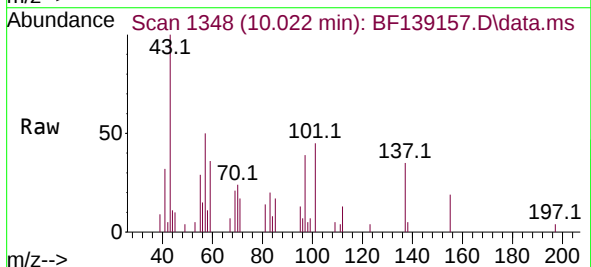
Tgt Ion:138 Resp: 210

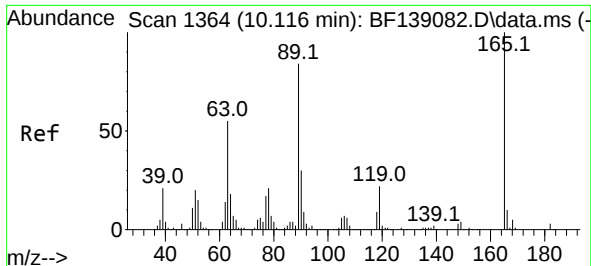
Ion Ratio Lower Upper

138 100

108 0.0 14.6 21.8#

92 0.0 105.9 158.9#

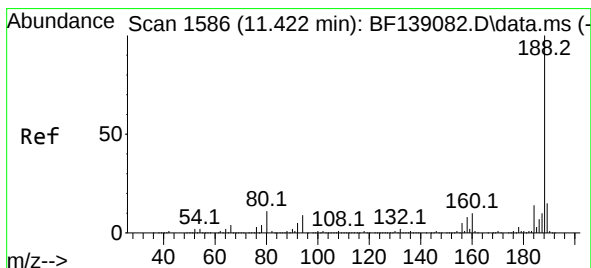
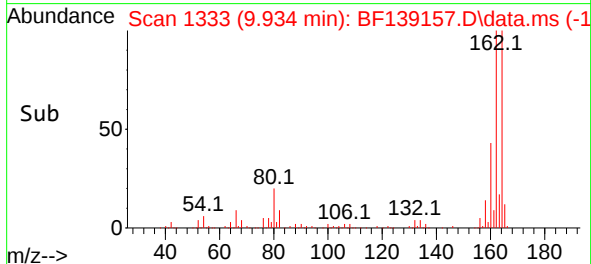
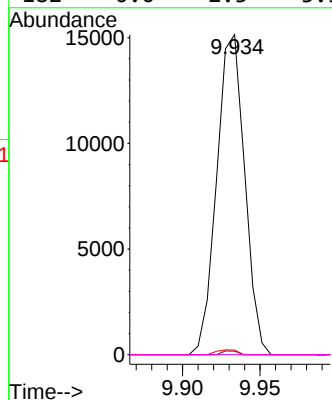
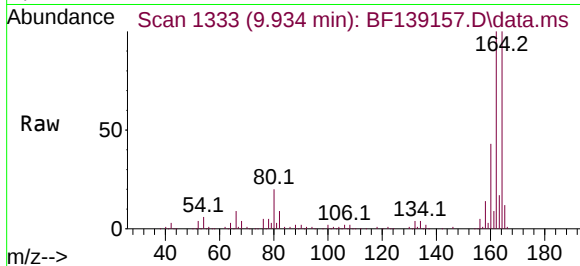




#57
2,4-Dinitrotoluene
Concen: 12.480 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

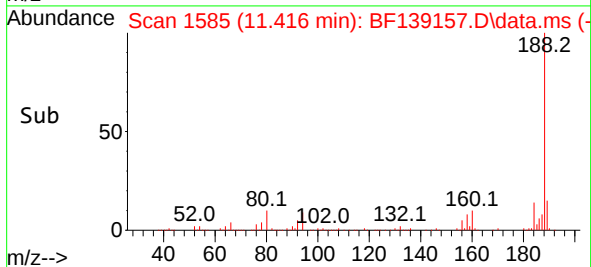
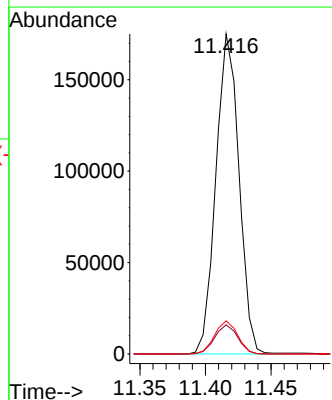
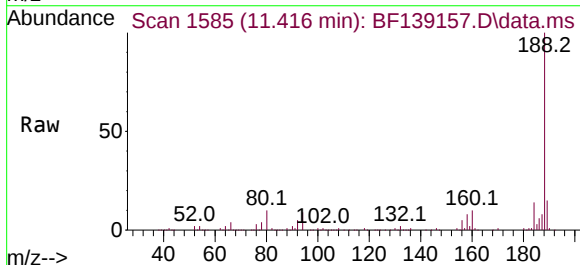
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0-0.5-082024

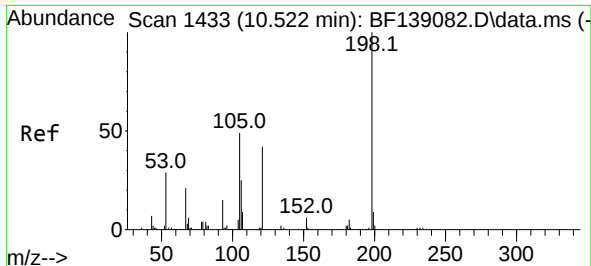
Tgt Ion:165	Resp:	19031
Ion Ratio	Lower	Upper
165	100	
63	1.1	44.2 66.4#
89	1.4	67.4 101.2#
182	0.0	2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

Tgt Ion:188	Resp:	214184
Ion Ratio	Lower	Upper
188	100	
94	9.1	7.2 10.8
80	10.4	8.5 12.7





#65

4,6-Dinitro-2-methylphenol

Concen: 6.669 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.194 min

Lab File: BF139157.D

Acq: 23 Aug 2024 20:15

Instrument :

BNA_F

ClientSampleId :

S-930-K1-SO-0-0.5-082024

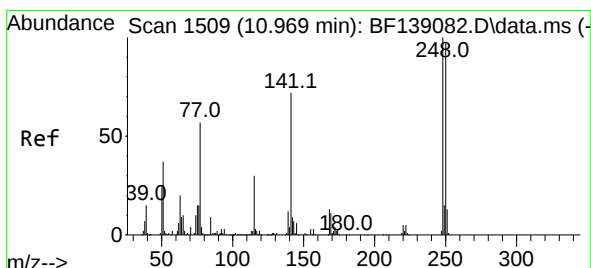
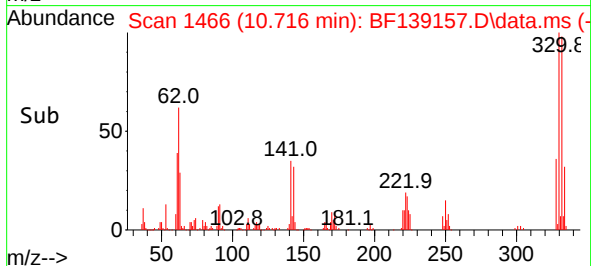
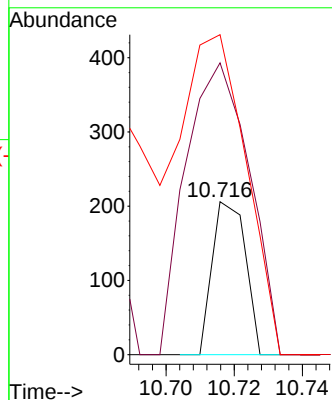
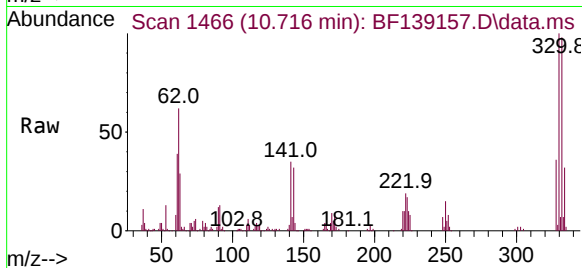
Tgt Ion:198 Resp: 139

Ion Ratio Lower Upper

198 100

51 190.8 40.8 80.8#

105 209.2 30.9 70.9#



#67

4-Bromophenyl-phenylether

Concen: 2.722 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.253 min

Lab File: BF139157.D

Acq: 23 Aug 2024 20:15

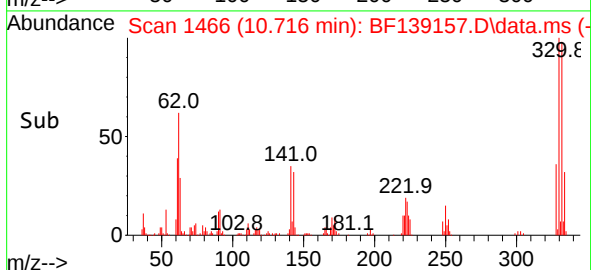
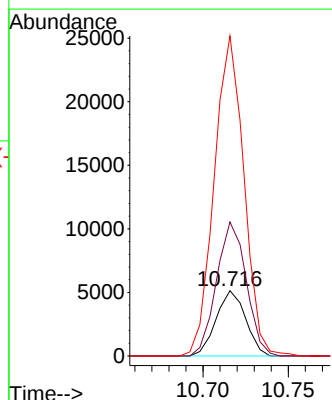
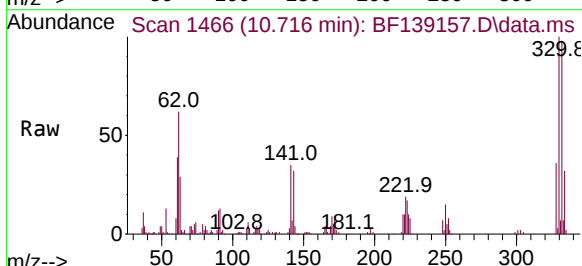
Tgt Ion:248 Resp: 6177

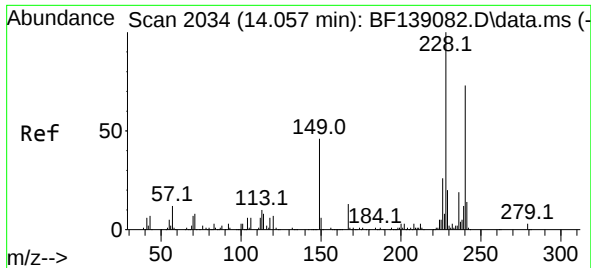
Ion Ratio Lower Upper

248 100

250 205.0 77.8 116.8#

141 490.1 57.9 86.9#

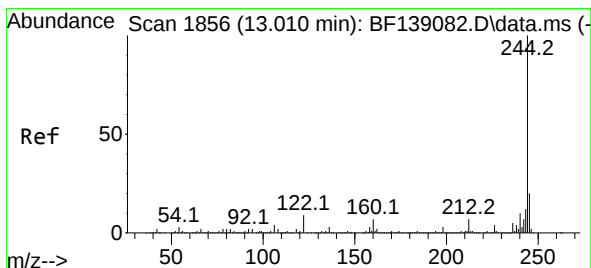
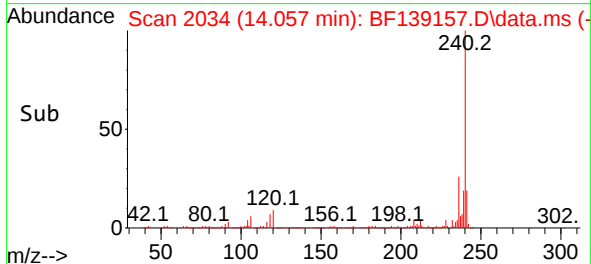
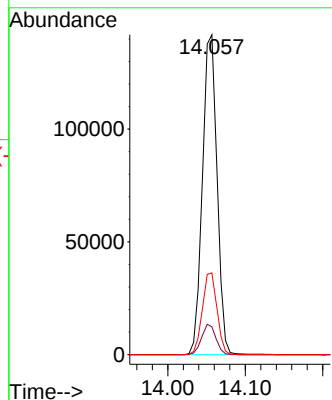
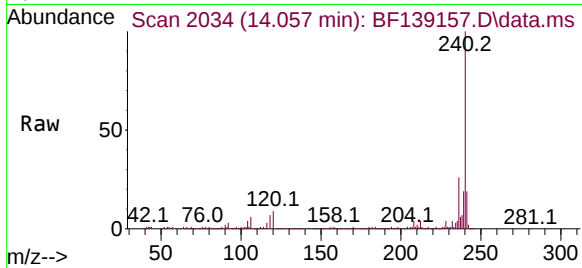




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

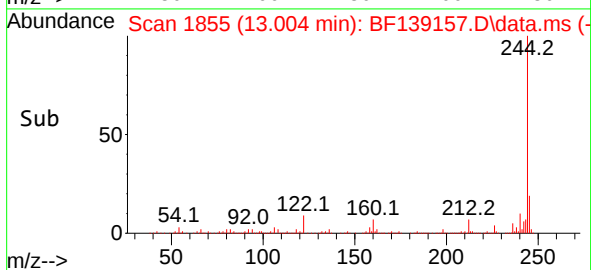
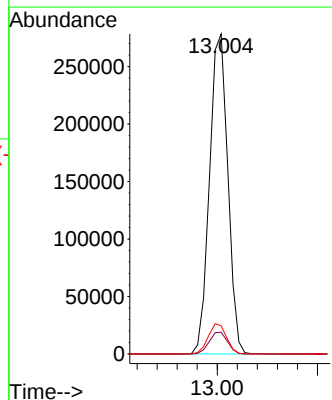
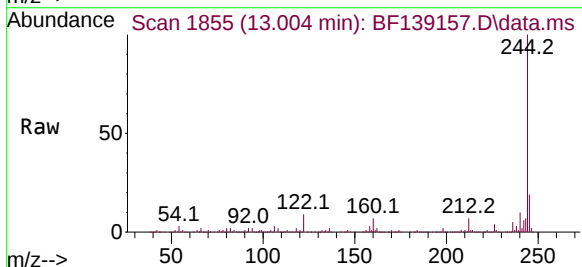
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0-0.5-082024

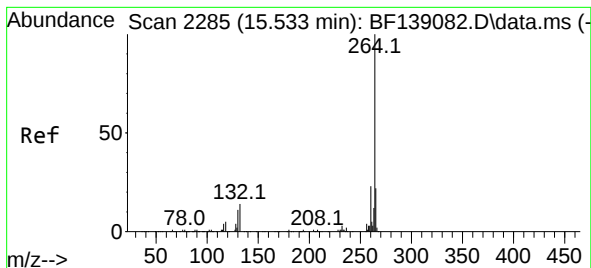
Tgt Ion:240 Resp: 186132
Ion Ratio Lower Upper
240 100
120 8.7 7.8 11.6
236 25.5 20.9 31.3



#79
Terphenyl-d14
Concen: 31.407 ng
RT: 13.004 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BF139157.D
Acq: 23 Aug 2024 20:15

Tgt Ion:244 Resp: 352312
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.6
122 8.8 7.6 11.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139157.D

Acq: 23 Aug 2024 20:15

Instrument :

BNA_F

ClientSampleId :

S-930-K1-SO-0-0.5-082024

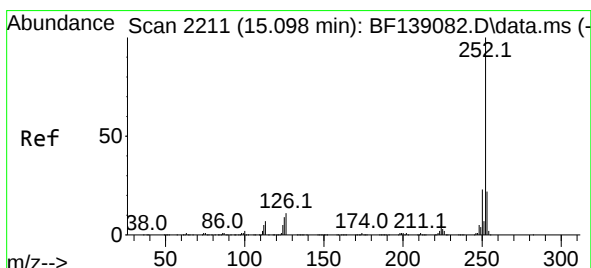
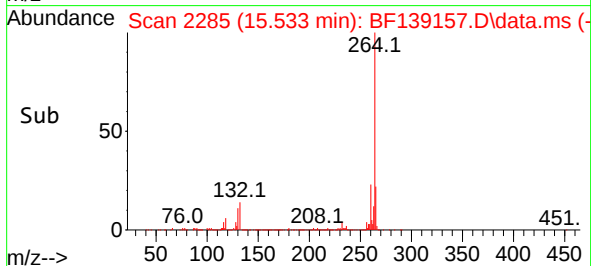
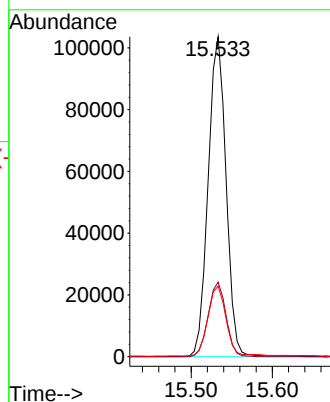
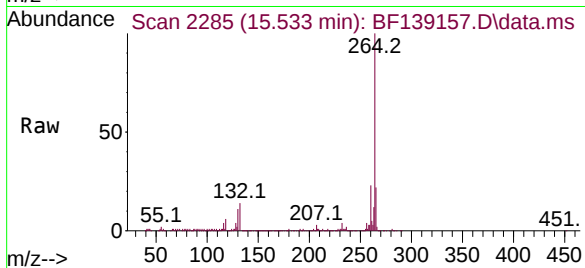
Tgt Ion:264 Resp: 158190

Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 22.0 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 2.384 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF139157.D

Acq: 23 Aug 2024 20:15

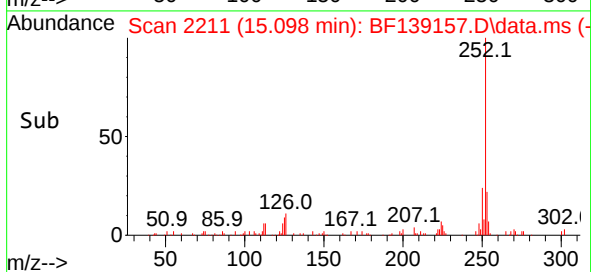
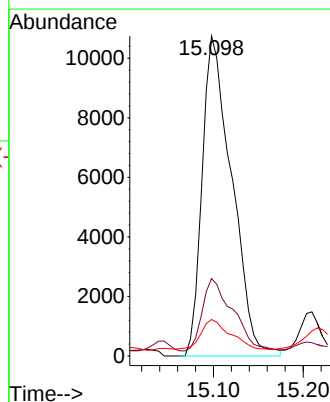
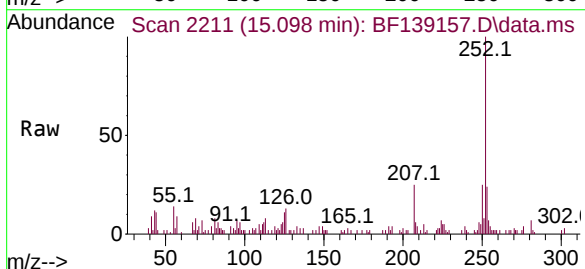
Tgt Ion:252 Resp: 24588

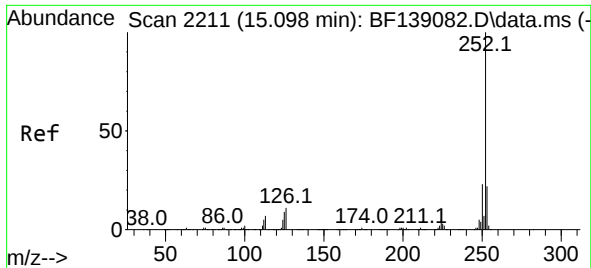
Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.2

125 11.4 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 2.863 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139157.D

Acq: 23 Aug 2024 20:15

Instrument :

BNA_F

ClientSampleId :

S-930-K1-SO-0-0.5-082024

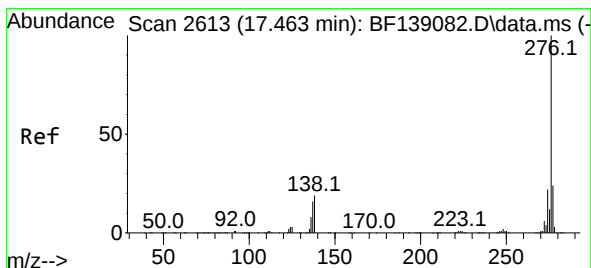
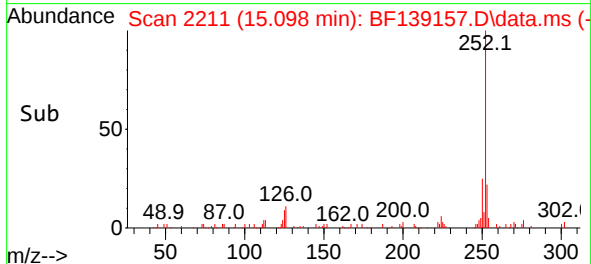
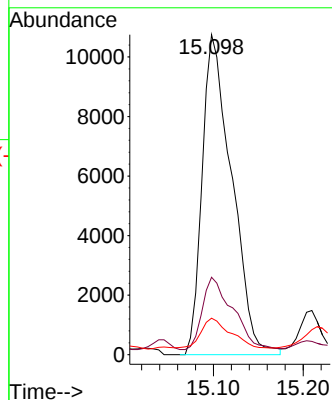
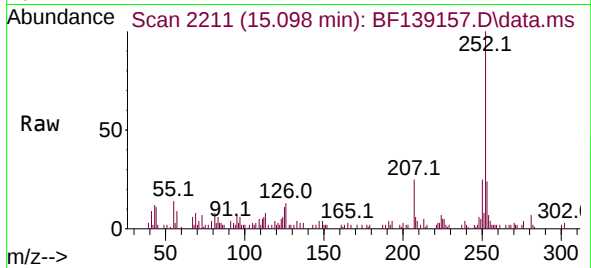
Tgt Ion:252 Resp: 24588

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.2

125 11.4 7.0 10.6#



#92

Benzo(g,h,i)perylene

Concen: 3.284 ng

RT: 17.457 min Scan# 2612

Delta R.T. -0.006 min

Lab File: BF139157.D

Acq: 23 Aug 2024 20:15

Tgt Ion:276 Resp: 4510

Ion Ratio Lower Upper

276 100

277 25.1 18.8 28.2

138 19.4 15.0 22.4

