

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
 Data File : BF139102.D
 Acq On : 21 Aug 2024 15:20
 Operator : RC/JU
 Sample : P3663-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 910-J-SD-0-0.5-081624

Quant Time: Aug 21 15:54:00 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	92258	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	350389	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	195604	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	300989	20.000	ng	0.00
76) Chrysene-d12	14.057	240	164567	20.000	ng	0.00
86) Perylene-d12	15.533	264	203505	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	431797	72.008	ng	0.00
7) Phenol-d6	6.516	99	577315	74.508	ng	0.00
23) Nitrobenzene-d5	7.451	82	348794	58.005	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	122020	68.908	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	573153	46.490	ng	0.00
79) Terphenyl-d14	13.004	244	425314	42.884	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	49005	9.631	ng	# 80
25) Isophorone	7.451	82	348712	27.284	ng	# 69
48) 2-Nitroaniline	9.251	65	1174	5.989	ng	# 1
51) 2,6-Dinitrotoluene	9.933	165	25791	14.163	ng	# 16
57) 2,4-Dinitrotoluene	9.933	165	25791	13.057	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.716	198	257	6.730	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	8396	2.632	ng	# 1
75) Fluoranthene	12.627	202	61514	3.767	ng	99
78) Pyrene	12.857	202	48161	3.507	ng	98
83) Chrysene	14.080	228	30482	3.109	ng	100
88) Benzo(b)fluoranthene	15.098	252	63885	4.815	ng	99
89) Benzo(k)fluoranthene	15.098	252	63885	5.781	ng	99
90) Benzo(a)pyrene	15.468	252	25194	2.403	ng	97
92) Benzo(g,h,i)perylene	17.451	276	15679	4.116	ng	97

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

Instrument :

BNA F

ClientSampleId :

910-J-SD-0-0.5-081624

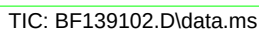
Quant Time: Aug 21 15:54:00 2024

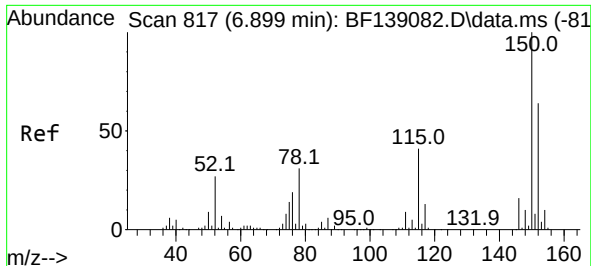
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 21 01:25:05 2024

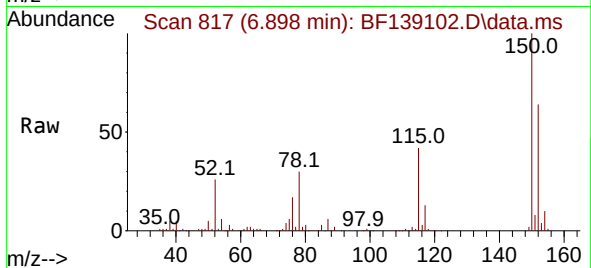
Response via : Initial Calibration



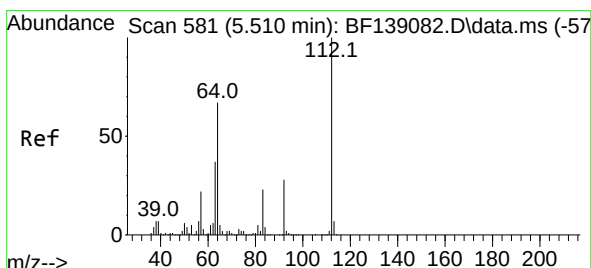
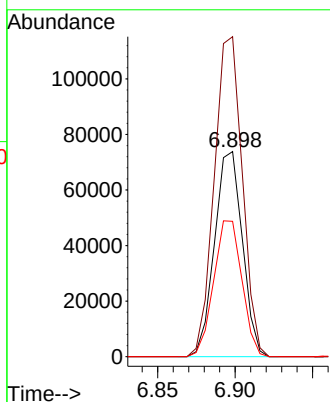
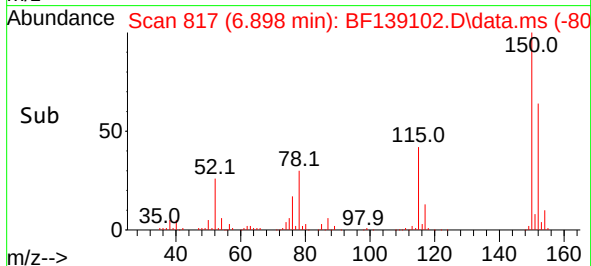


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139102.D
Acq: 21 Aug 2024 15:20

Instrument :
BNA_F
ClientSampleId :
910-J-SD-0-0.5-081624

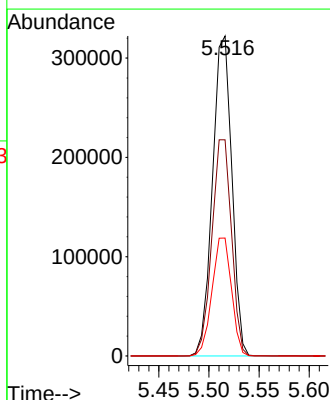
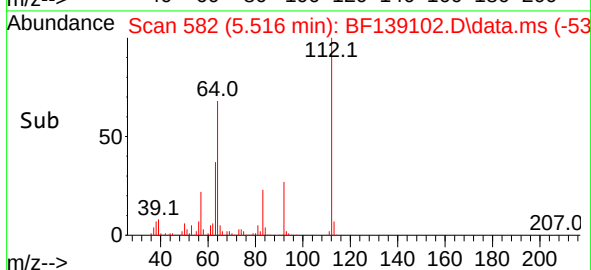
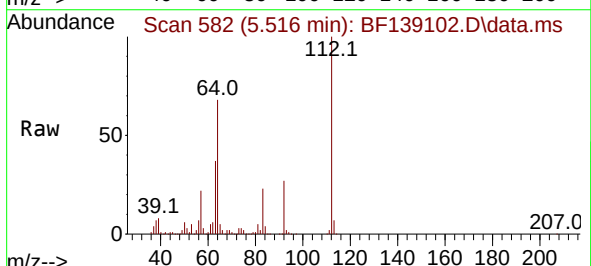


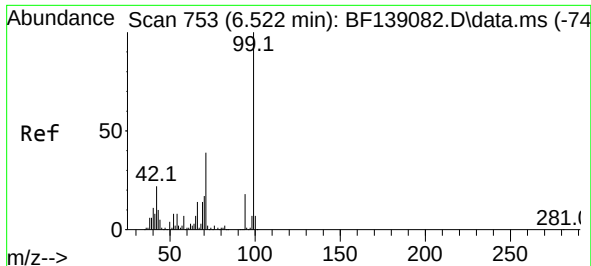
Tgt Ion:152 Resp: 92258
Ion Ratio Lower Upper
152 100
150 156.0 125.1 187.7
115 65.9 51.8 77.6



#5
2-Fluorophenol
Concen: 72.008 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF139102.D
Acq: 21 Aug 2024 15:20

Tgt Ion:112 Resp: 431797
Ion Ratio Lower Upper
112 100
64 67.5 53.8 80.6
63 36.9 29.4 44.2

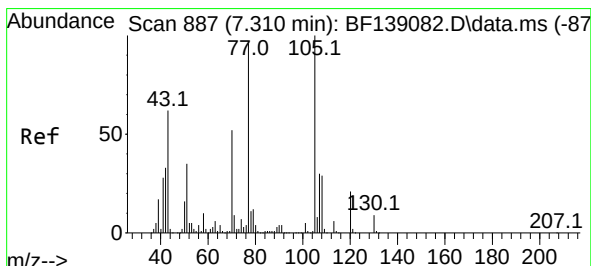
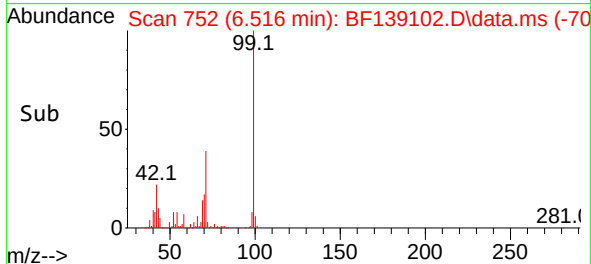
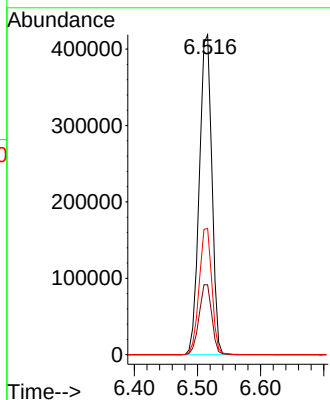
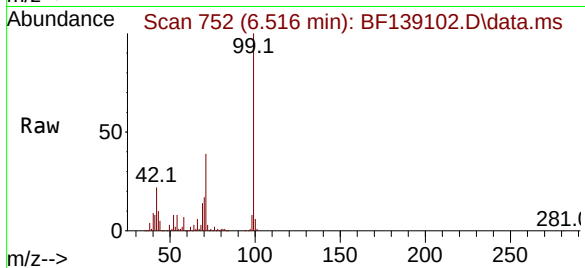




#7
Phenol-d6
Concen: 74.508 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139102.D
Acq: 21 Aug 2024 15:20

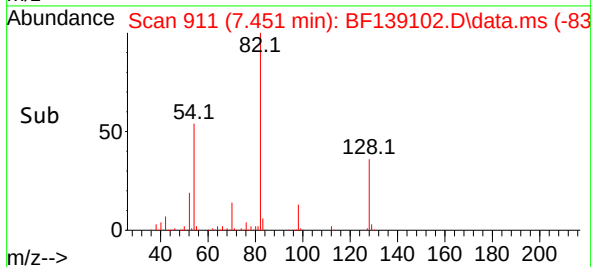
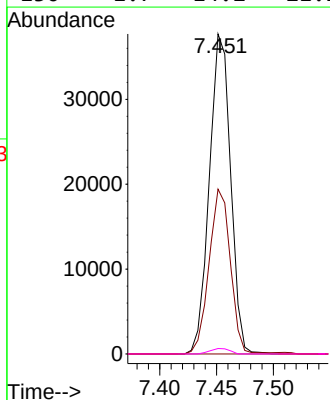
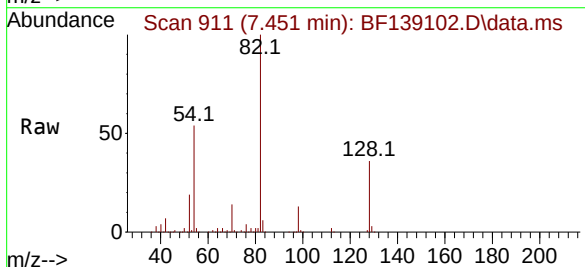
Instrument :
BNA_F
ClientSampleId :
910-J-SD-0-0.5-081624

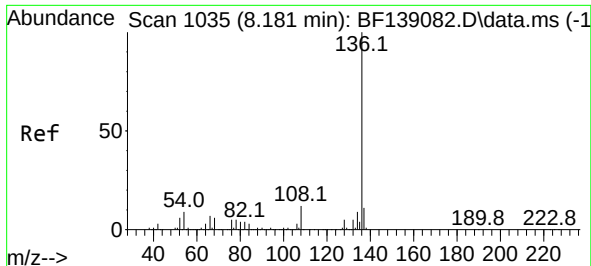
Tgt Ion: 99 Resp: 577315
Ion Ratio Lower Upper
99 100
42 21.8 17.4 26.2
71 39.5 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.631 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF139102.D
Acq: 21 Aug 2024 15:20

Tgt Ion: 70 Resp: 49005
Ion Ratio Lower Upper
70 100
42 51.5 50.5 75.7
101 0.0 7.2 10.8#
130 1.7 14.2 21.2#

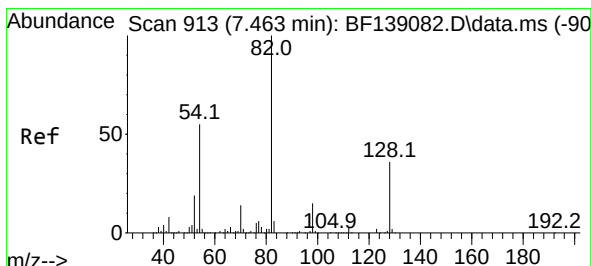
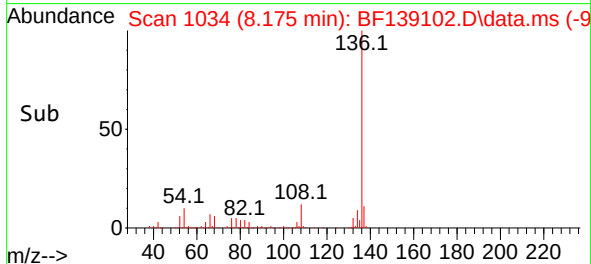
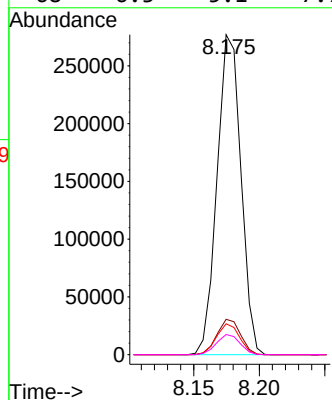
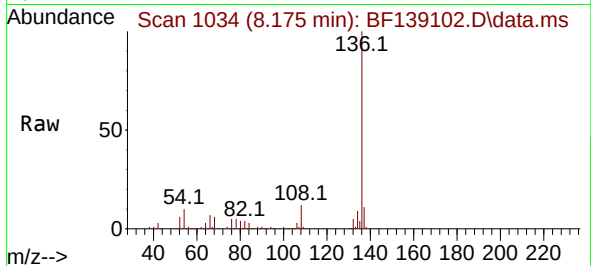




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139102.D
Acq: 21 Aug 2024 15:20

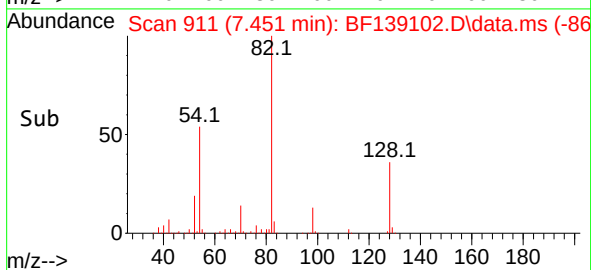
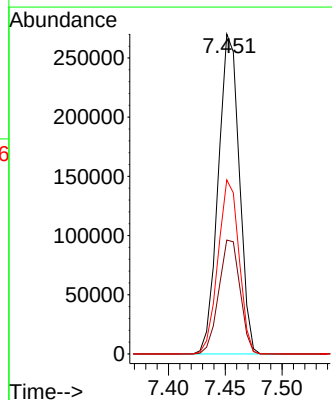
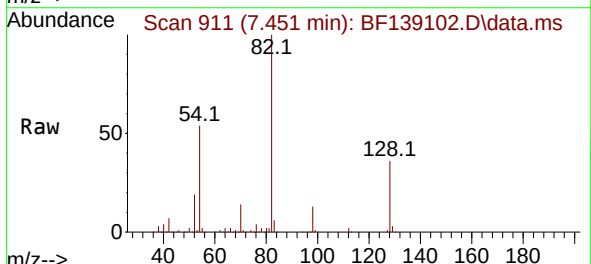
Instrument :
BNA_F
ClientSampleId :
910-J-SD-0-0.5-081624

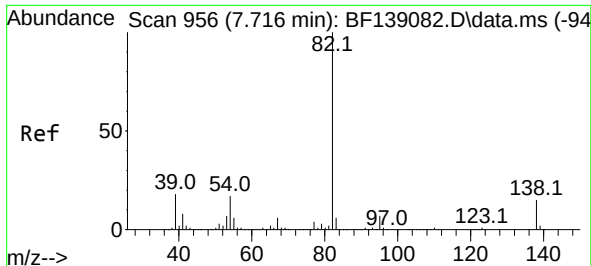
Tgt Ion:	136	Resp:	350389
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	9.6	7.6	11.4
68	6.3	5.1	7.7



#23
Nitrobenzene-d5
Concen: 58.005 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF139102.D
Acq: 21 Aug 2024 15:20

Tgt Ion:	82	Resp:	348794
Ion	Ratio	Lower	Upper
82	100		
128	35.6	29.0	43.4
54	54.4	43.4	65.2

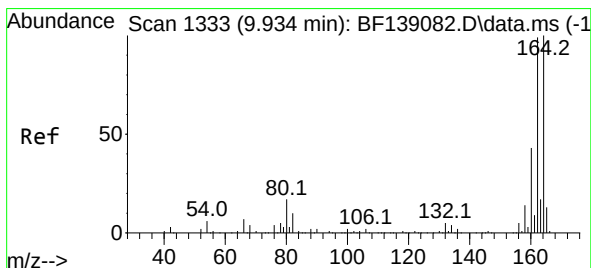
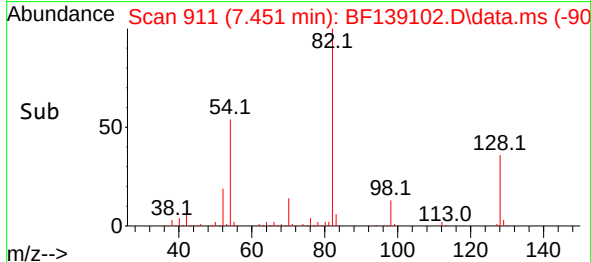
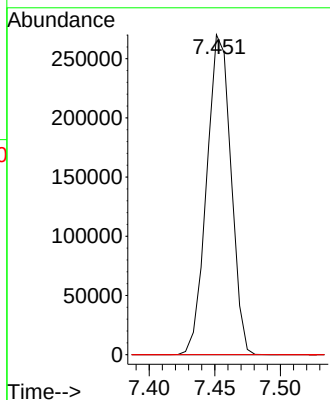
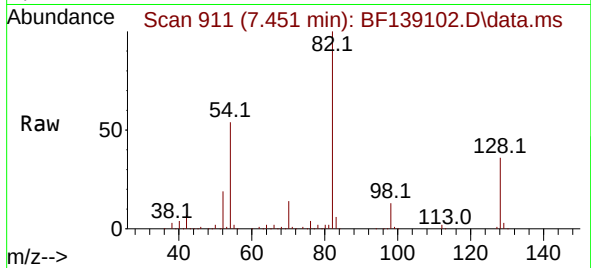




#25
Isophorone
Concen: 27.284 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.265 min
Lab File: BF139102.D
Acq: 21 Aug 2024 15:20

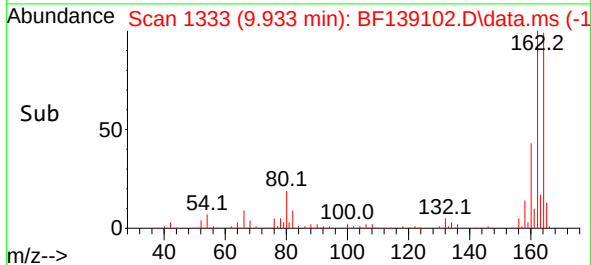
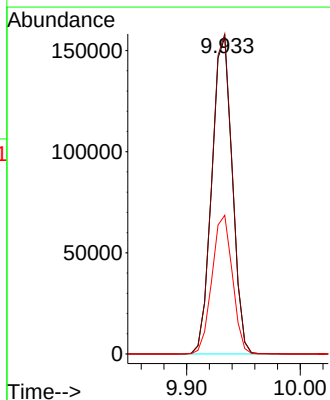
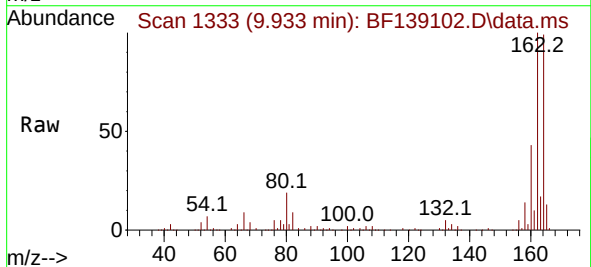
Instrument :
BNA_F
ClientSampleId :
910-J-SD-0-0.5-081624

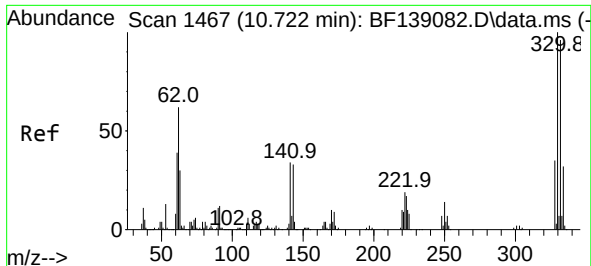
Tgt Ion: 82 Resp: 348712
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.001 min
Lab File: BF139102.D
Acq: 21 Aug 2024 15:20

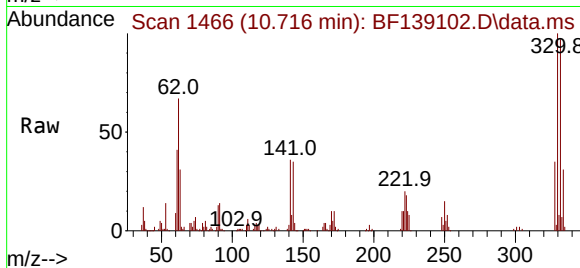
Tgt Ion:164 Resp: 195604
Ion Ratio Lower Upper
164 100
162 101.1 79.5 119.3
160 43.8 34.5 51.7



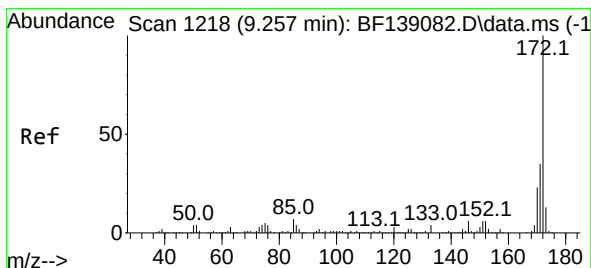
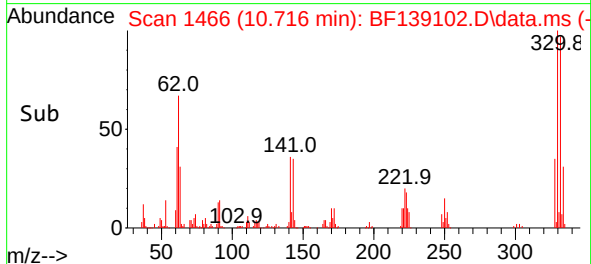
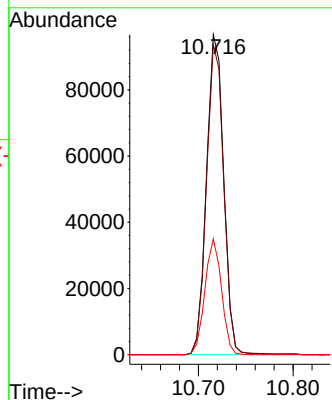


#42
2,4,6-Tribromophenol
Concen: 68.908 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139102.D
Acq: 21 Aug 2024 15:20

Instrument :
BNA_F
ClientSampleId :
910-J-SD-0-0.5-081624

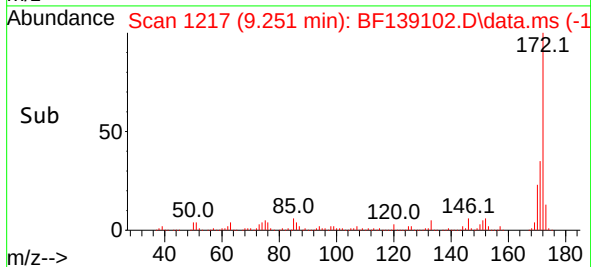
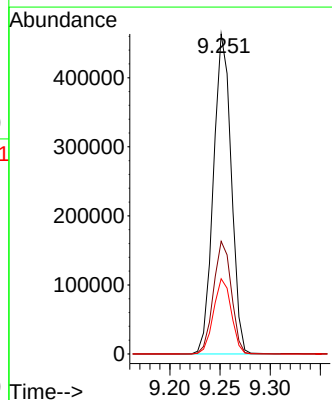
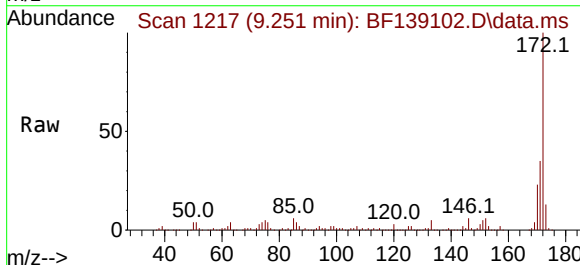


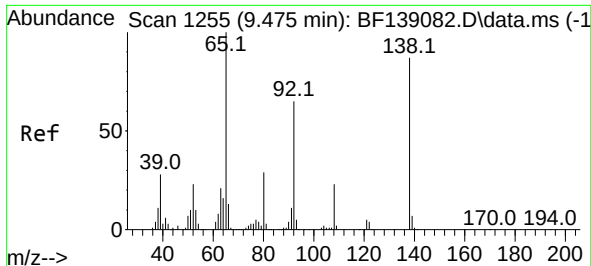
Tgt Ion:330 Resp: 122020
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 34.9 27.5 41.3



#45
2-Fluorobiphenyl
Concen: 46.490 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139102.D
Acq: 21 Aug 2024 15:20

Tgt Ion:172 Resp: 573153
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.5 18.8 28.2





#48

2-Nitroaniline

Concen: 5.989 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.224 min

Lab File: BF139102.D

Acq: 21 Aug 2024 15:20

Instrument :

BNA_F

ClientSampleId :

910-J-SD-0-0.5-081624

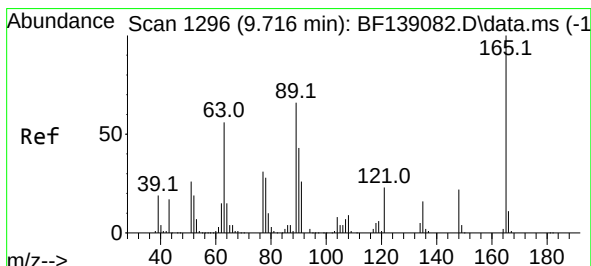
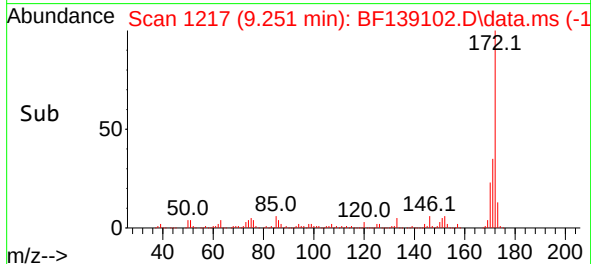
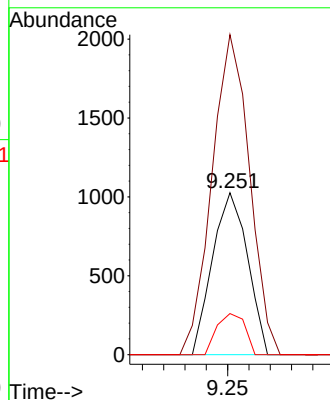
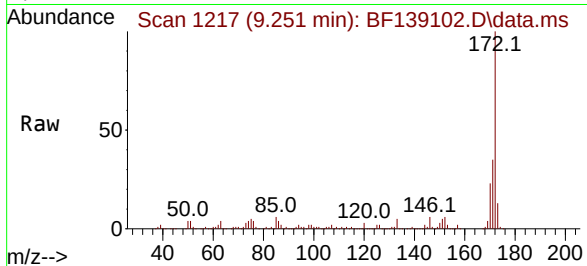
Tgt Ion: 65 Resp: 1174

Ion Ratio Lower Upper

65 100

92 197.7 52.4 78.6#

138 25.3 69.4 104.0#



#51

2,6-Dinitrotoluene

Concen: 14.163 ng

RT: 9.933 min Scan# 1333

Delta R.T. 0.217 min

Lab File: BF139102.D

Acq: 21 Aug 2024 15:20

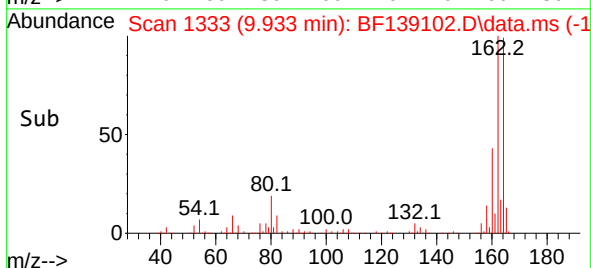
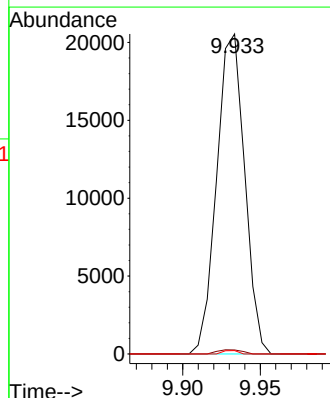
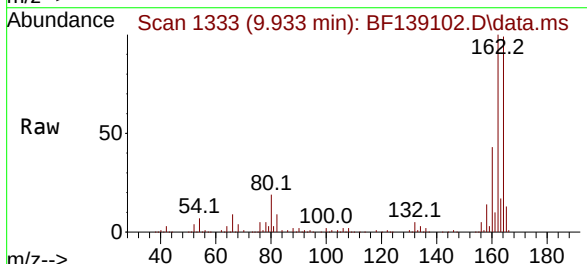
Tgt Ion: 165 Resp: 25791

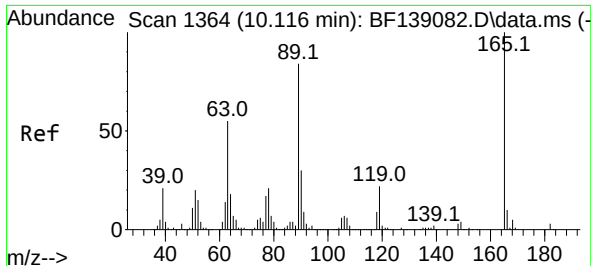
Ion Ratio Lower Upper

165 100

63 1.3 58.0 87.0#

89 1.1 53.3 79.9#

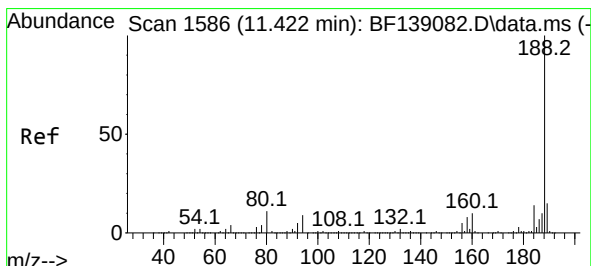
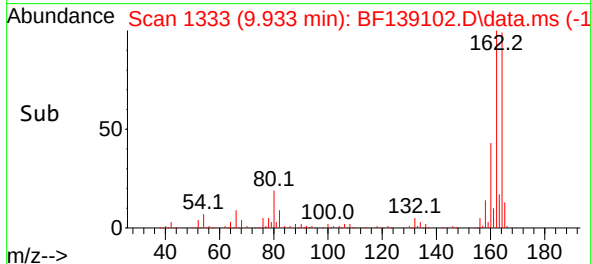
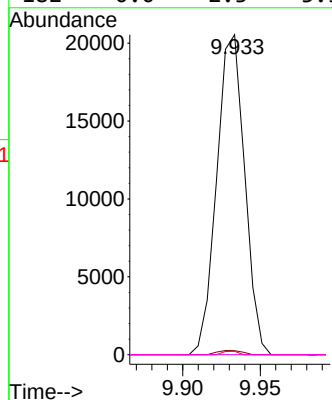
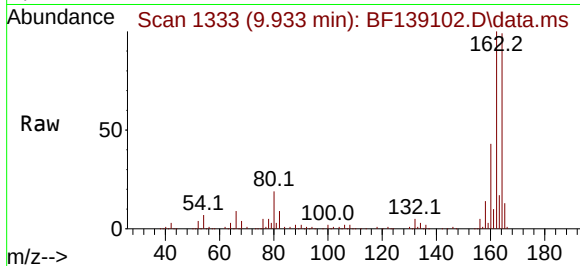




#57
2,4-Dinitrotoluene
Concen: 13.057 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.183 min
Lab File: BF139102.D
Acq: 21 Aug 2024 15:20

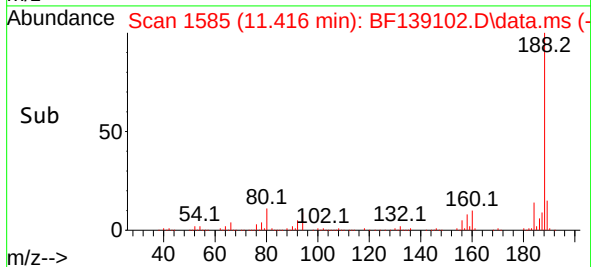
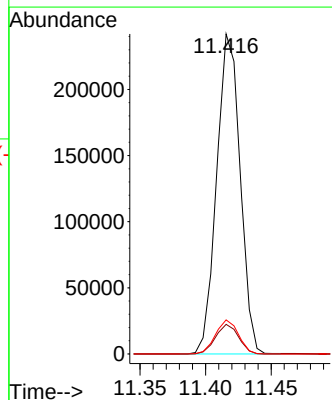
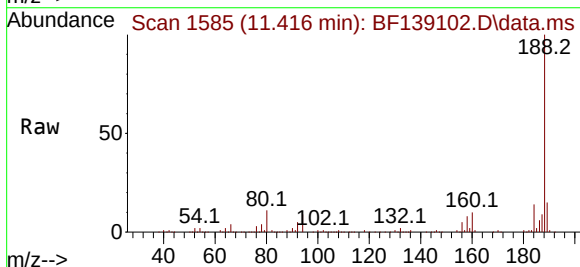
Instrument :
BNA_F
ClientSampleId :
910-J-SD-0-0.5-081624

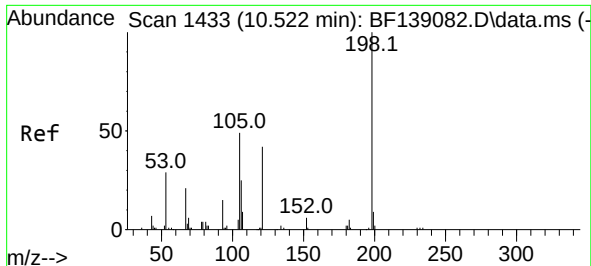
Tgt Ion:165 Resp: 25791
Ion Ratio Lower Upper
165 100
63 1.3 44.2 66.4#
89 1.1 67.4 101.2#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139102.D
Acq: 21 Aug 2024 15:20

Tgt Ion:188 Resp: 300989
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 10.6 8.5 12.7





#65

4,6-Dinitro-2-methylphenol

Concen: 6.730 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.194 min

Lab File: BF139102.D

Acq: 21 Aug 2024 15:20

Instrument :

BNA_F

ClientSampleId :

910-J-SD-0-0.5-081624

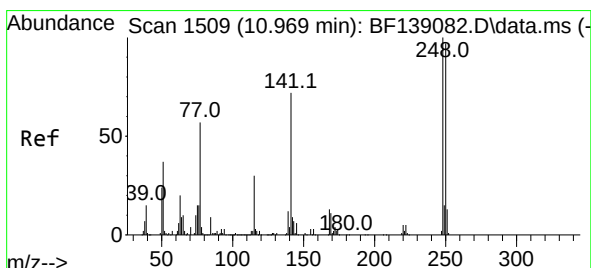
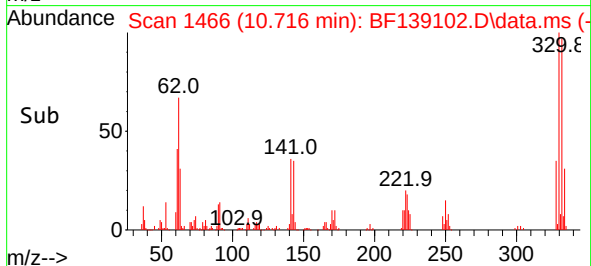
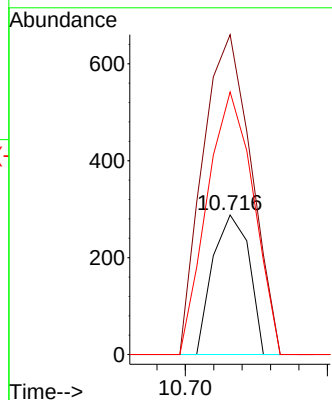
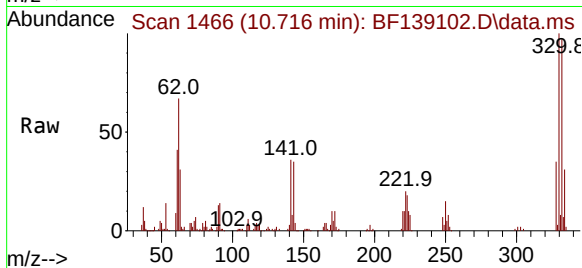
Tgt Ion:198 Resp: 257

Ion Ratio Lower Upper

198 100

51 229.2 40.8 80.8#

105 188.2 30.9 70.9#



#67

4-Bromophenyl-phenylether

Concen: 2.632 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.253 min

Lab File: BF139102.D

Acq: 21 Aug 2024 15:20

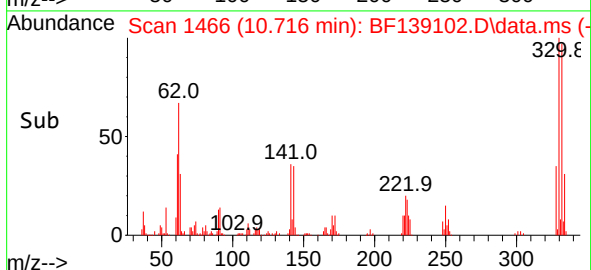
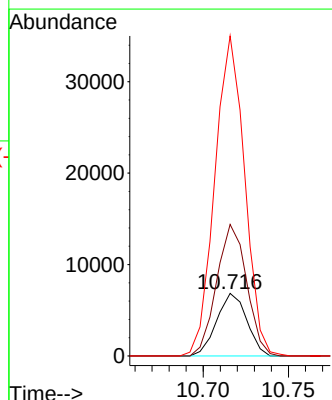
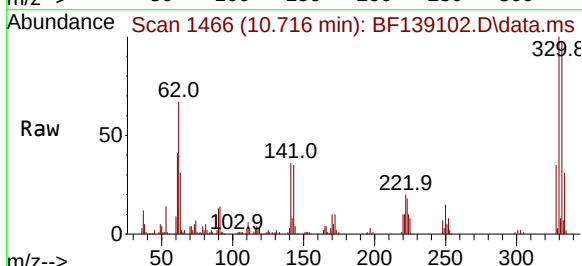
Tgt Ion:248 Resp: 8396

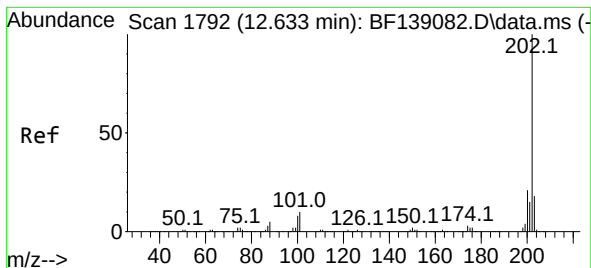
Ion Ratio Lower Upper

248 100

250 210.3 77.8 116.8#

141 511.5 57.9 86.9#





#75

Fluoranthene

Concen: 3.767 ng

RT: 12.627 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139102.D

Acq: 21 Aug 2024 15:20

Instrument :

BNA_F

ClientSampleId :

910-J-SD-0-0.5-081624

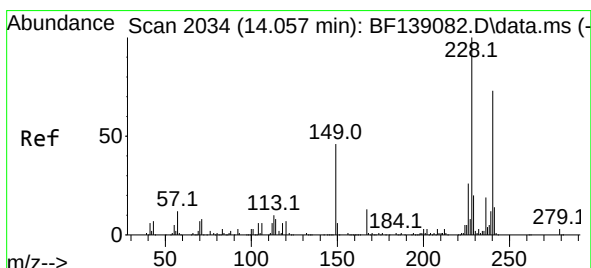
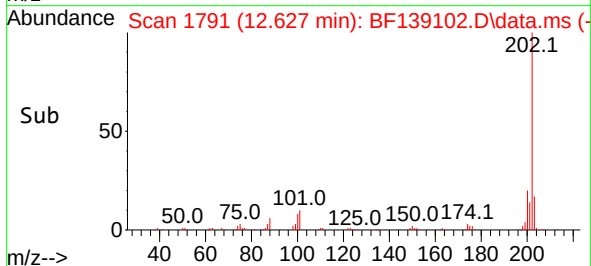
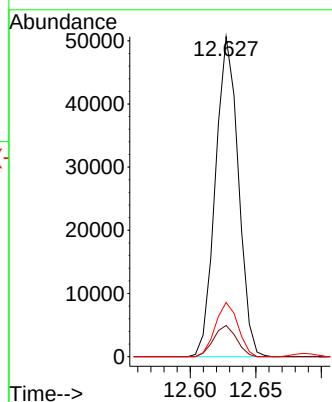
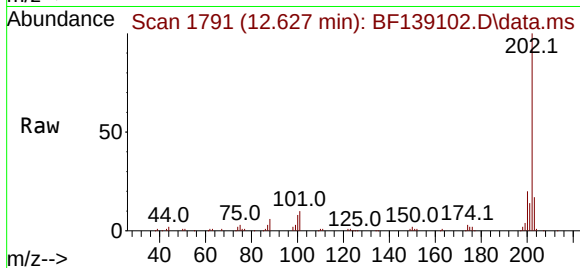
Tgt Ion:202 Resp: 61514

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.2

203 17.0 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: BF139102.D

Acq: 21 Aug 2024 15:20

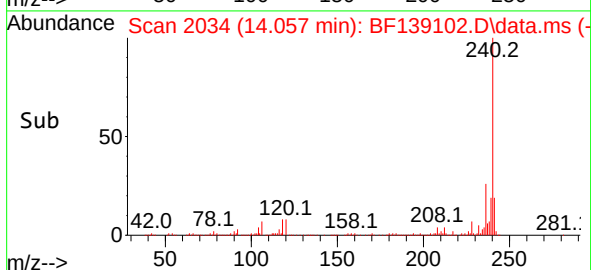
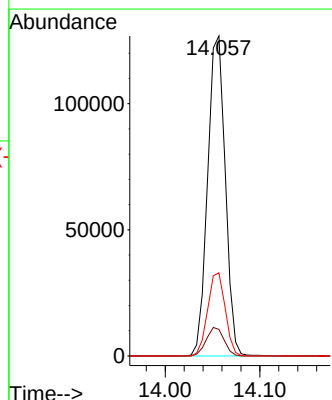
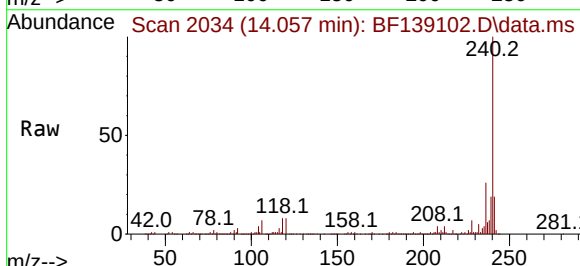
Tgt Ion:240 Resp: 164567

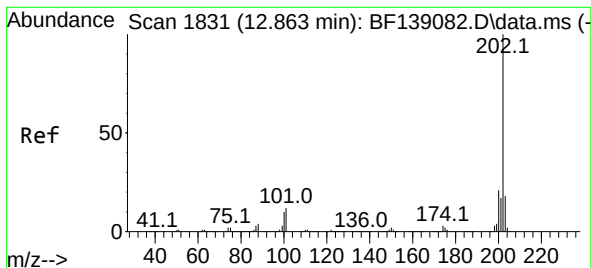
Ion Ratio Lower Upper

240 100

120 8.3 7.8 11.6

236 26.0 20.9 31.3





#78

Pyrene

Concen: 3.507 ng

RT: 12.857 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF139102.D

Acq: 21 Aug 2024 15:20

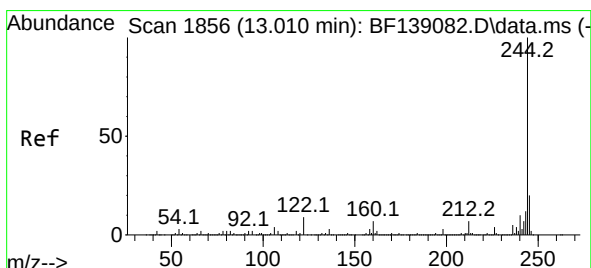
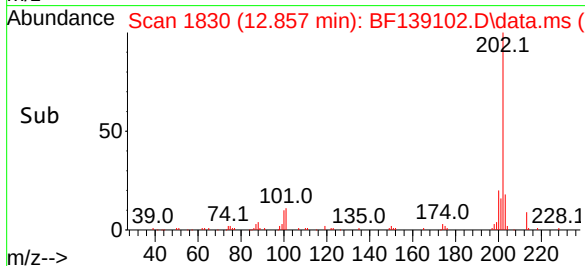
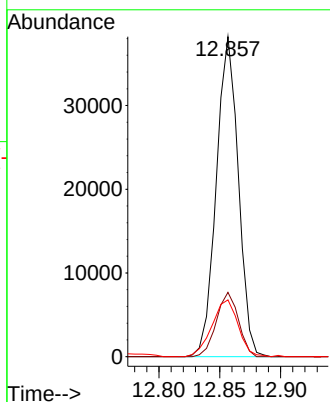
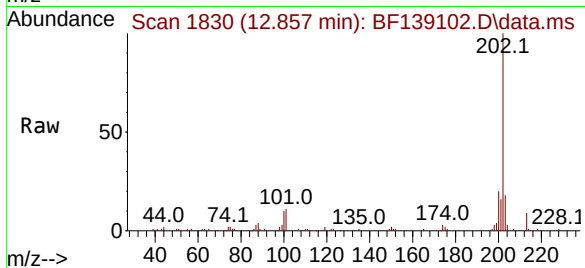
Instrument :

BNA_F

ClientSampleId :

910-J-SD-0-0.5-081624

Tgt Ion:202	Resp:	48161
Ion Ratio	Lower	Upper
202	100	
200	20.1	17.0 25.6
203	17.7	14.1 21.1



#79

Terphenyl-d14

Concen: 42.884 ng

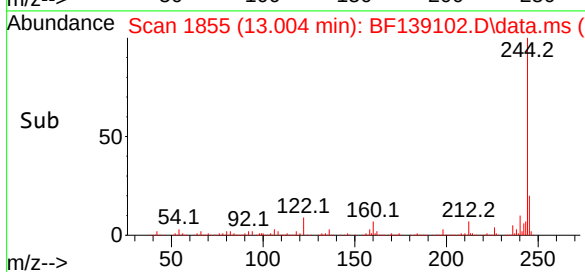
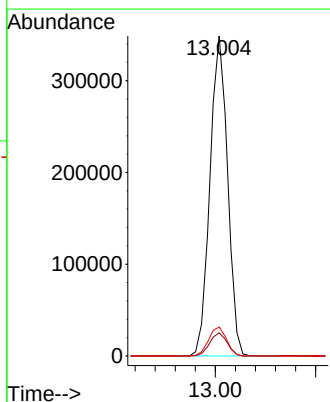
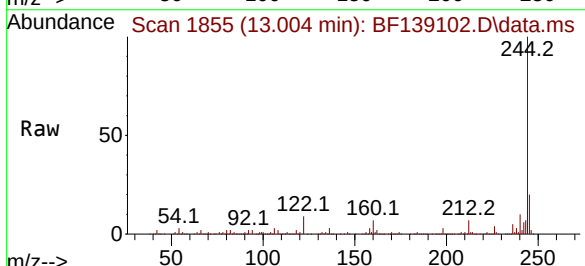
RT: 13.004 min Scan# 1855

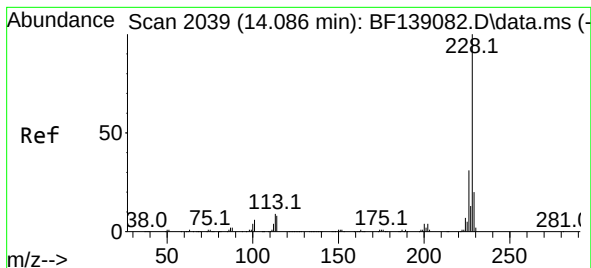
Delta R.T. -0.006 min

Lab File: BF139102.D

Acq: 21 Aug 2024 15:20

Tgt Ion:244	Resp:	425314
Ion Ratio	Lower	Upper
244	100	
212	7.2	5.8 8.6
122	9.1	7.6 11.4





#83

Chrysene

Concen: 3.109 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF139102.D

Acq: 21 Aug 2024 15:20

Instrument :

BNA_F

ClientSampleId :

910-J-SD-0-0.5-081624

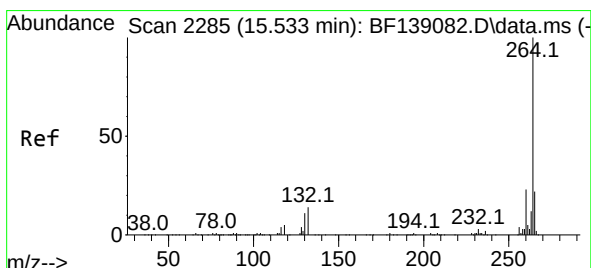
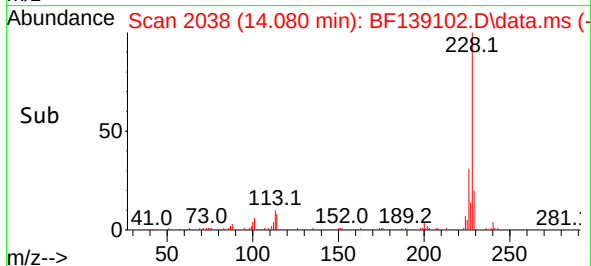
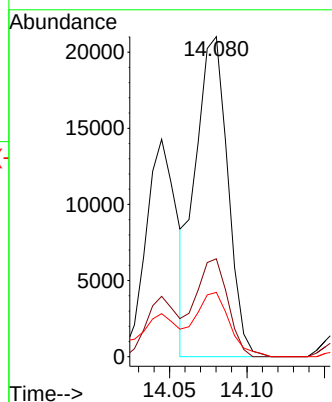
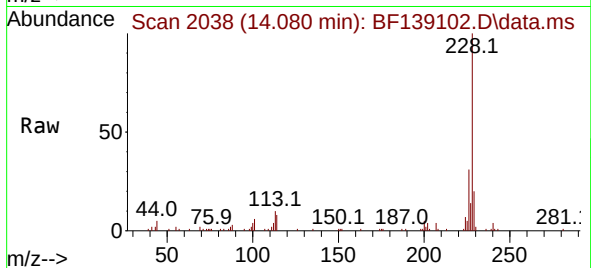
Tgt Ion:228 Resp: 30482

Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

229 20.1 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: BF139102.D

Acq: 21 Aug 2024 15:20

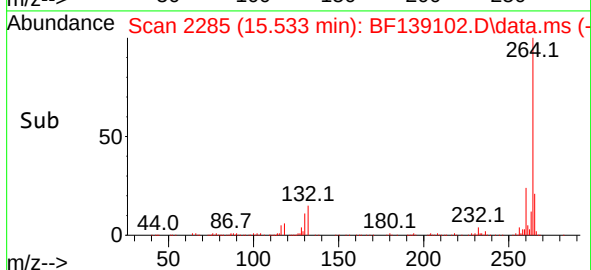
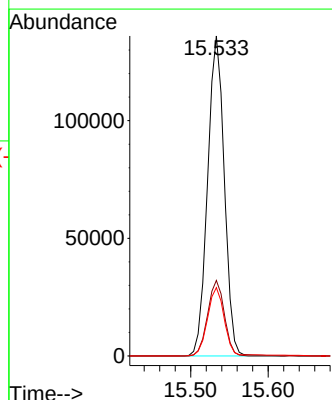
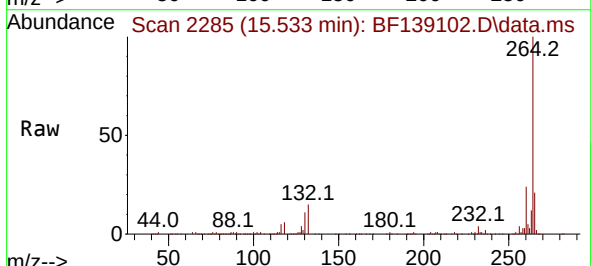
Tgt Ion:264 Resp: 203505

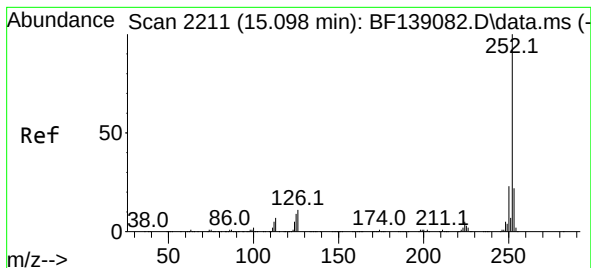
Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 21.3 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 4.815 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF139102.D

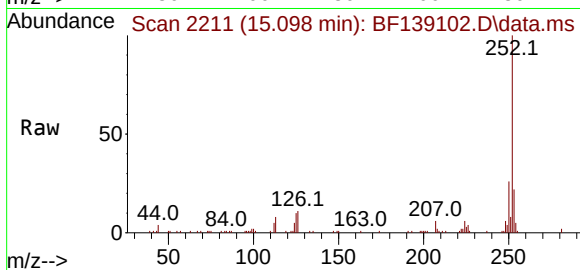
Acq: 21 Aug 2024 15:20

Instrument :

BNA_F

ClientSampleId :

910-J-SD-0-0.5-081624



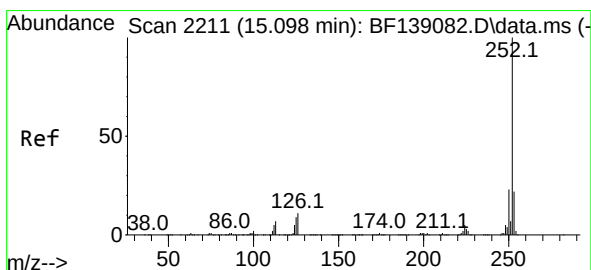
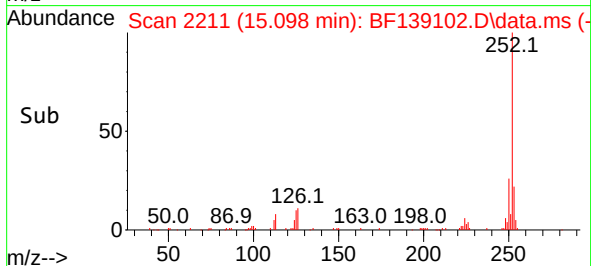
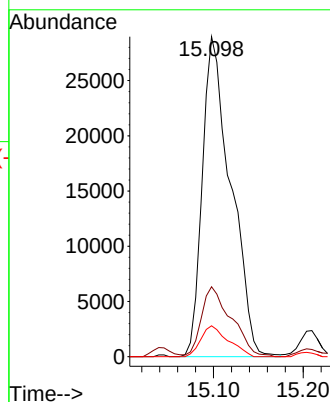
Tgt Ion:252 Resp: 63885

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 9.6 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 5.781 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.035 min

Lab File: BF139102.D

Acq: 21 Aug 2024 15:20

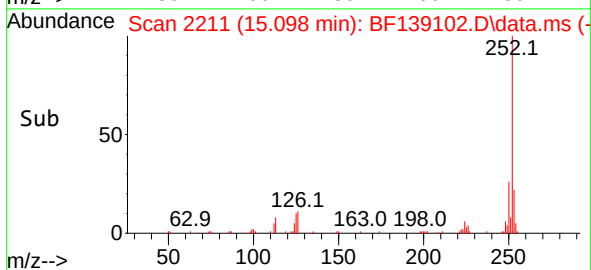
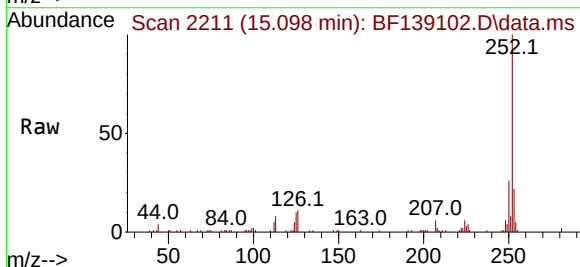
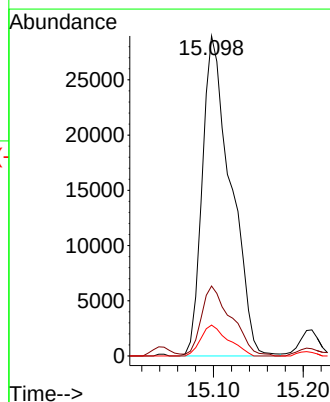
Tgt Ion:252 Resp: 63885

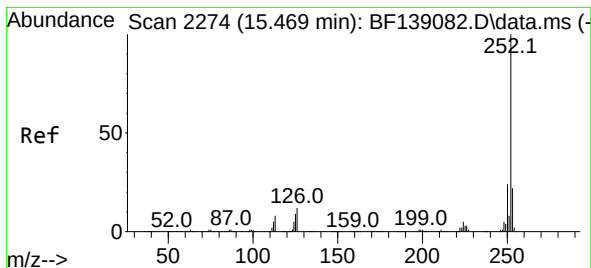
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 9.6 7.0 10.6





#90

Benzo(a)pyrene

Concen: 2.403 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139102.D

Acq: 21 Aug 2024 15:20

Instrument :

BNA_F

ClientSampleId :

910-J-SD-0-0.5-081624

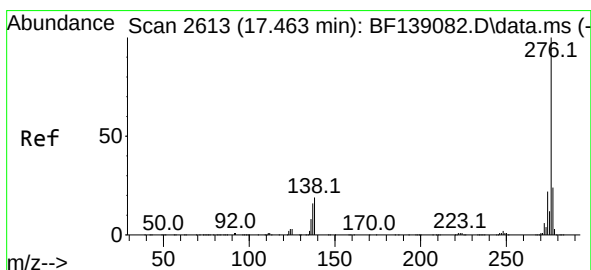
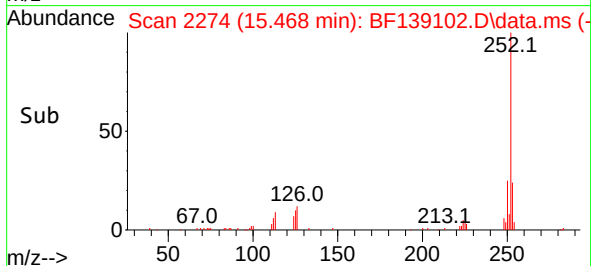
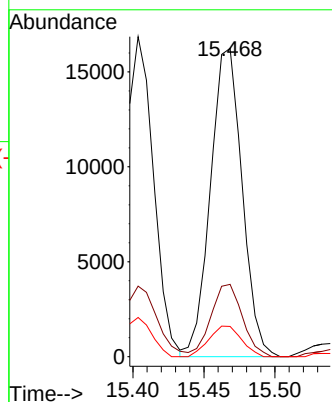
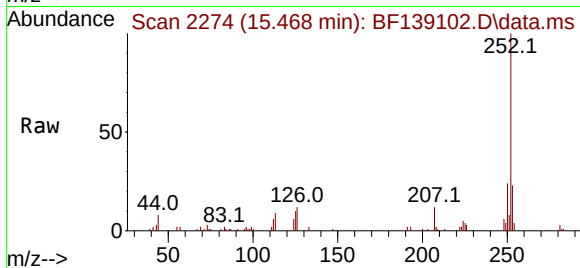
Tgt Ion:252 Resp: 25194

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 9.8 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 4.116 ng

RT: 17.451 min Scan# 2611

Delta R.T. -0.012 min

Lab File: BF139102.D

Acq: 21 Aug 2024 15:20

Tgt Ion:276 Resp: 15679

Ion Ratio Lower Upper

276 100

277 25.3 18.8 28.2

138 18.1 15.0 22.4

