

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139132.D
 Acq On : 22 Aug 2024 19:50
 Operator : RC/JU
 Sample : P3663-10DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 915-J-SD-0.5-1-081624DL

Quant Time: Aug 23 00:36:20 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)

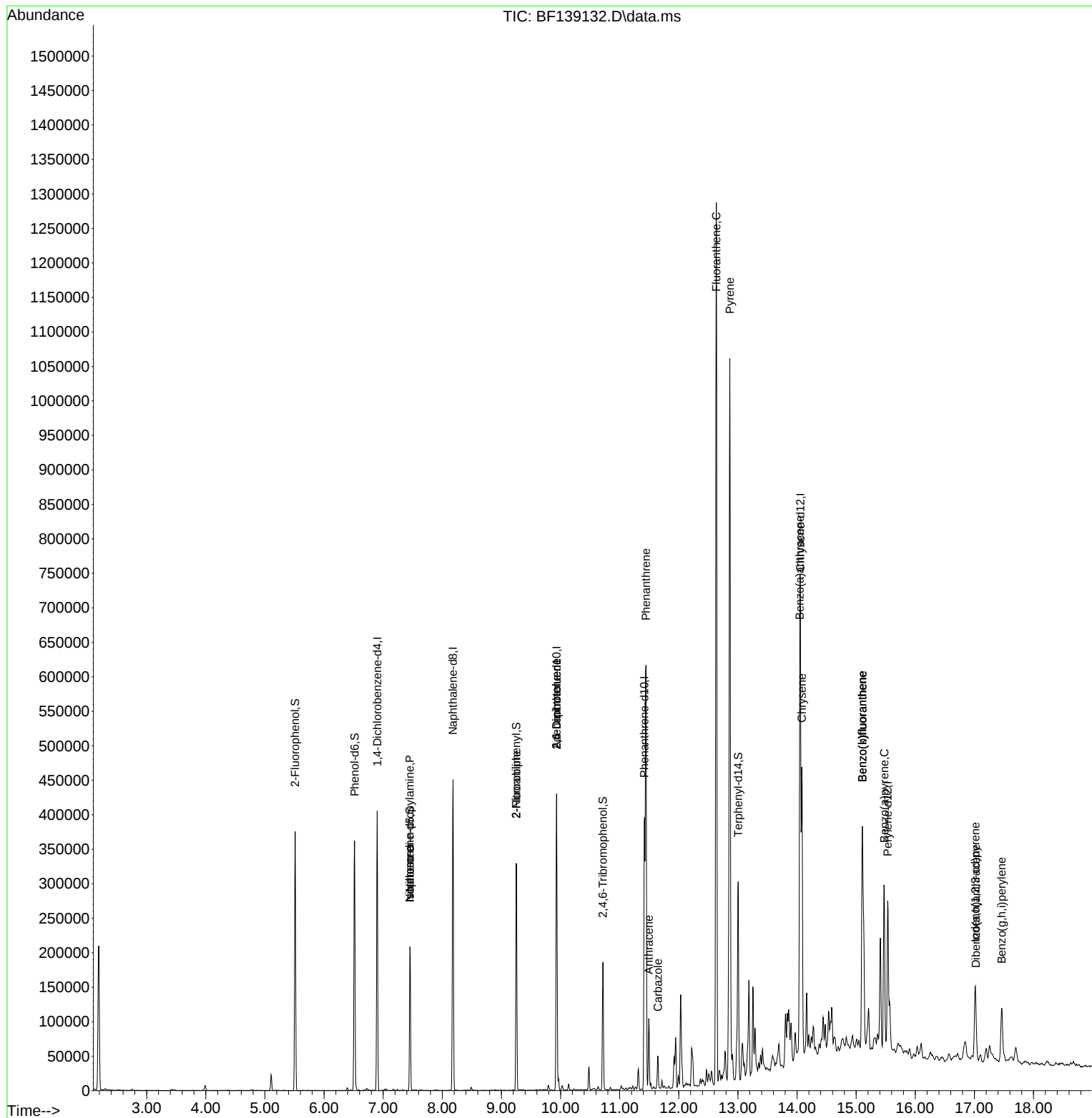
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	76169	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	254689	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	119411	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	201529	20.000	ng	0.00
76) Chrysene-d12	14.057	240	153727	20.000	ng	0.00
86) Perylene-d12	15.533	264	120705	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	120452	24.330	ng	0.00
7) Phenol-d6	6.516	99	149280	23.336	ng	0.00
23) Nitrobenzene-d5	7.451	82	88250	20.191	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	26290	24.320	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	133249	17.705	ng	0.00
79) Terphenyl-d14	13.004	244	128353	13.854	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	11747	2.796	ng	# 81
25) Isophorone	7.451	82	88174	9.491	ng	# 69
48) 2-Nitroaniline	9.251	65	179	5.740	ng	# 1
51) 2,6-Dinitrotoluene	9.933	165	14984	13.697	ng	# 16
57) 2,4-Dinitrotoluene	9.933	165	14984	12.694	ng	# 16
71) Phenanthrene	11.445	178	324082	31.638	ng	99
72) Anthracene	11.492	178	55808	5.571	ng	100
73) Carbazole	11.645	167	24323	2.600	ng	99
75) Fluoranthene	12.633	202	693628	63.444	ng	100
78) Pyrene	12.863	202	567230	44.215	ng	99
81) Benzo(a)anthracene	14.045	228	240633	23.812	ng	98
83) Chrysene	14.080	228	220054	24.024	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	81208	11.495	ng	96
88) Benzo(b)fluoranthene	15.104	252	292664	37.191	ng	100
89) Benzo(k)fluoranthene	15.104	252	292664	44.654	ng	100
90) Benzo(a)pyrene	15.474	252	146276	23.525	ng	98
91) Dibenzo(a,h)anthracene	17.027	278	17170	2.961	ng	92
92) Benzo(g,h,i)perylene	17.462	276	72079	13.040	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139132.D
Acq On : 22 Aug 2024 19:50
Operator : RC/JU
Sample : P3663-10DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624DL

Quant Time: Aug 23 00:36:20 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

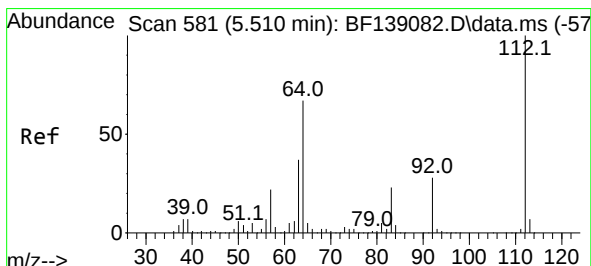
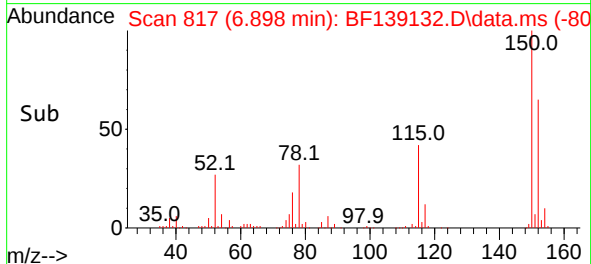
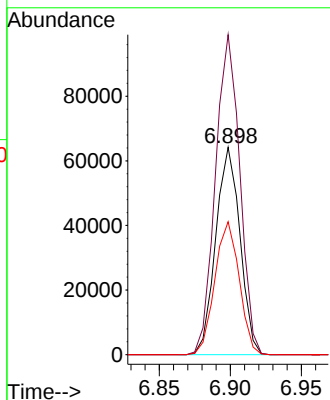
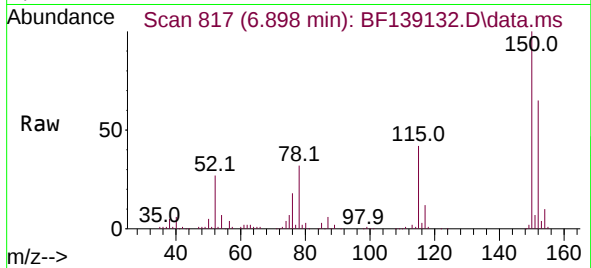




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 817
 Delta R.T. -0.001 min
 Lab File: BF139132.D
 Acq: 22 Aug 2024 19:50

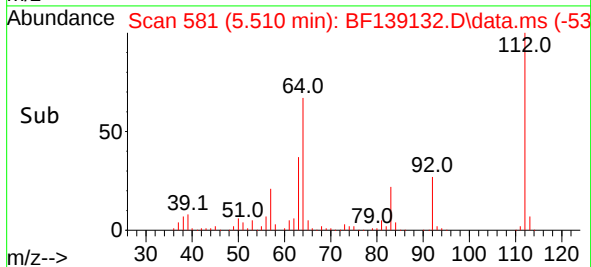
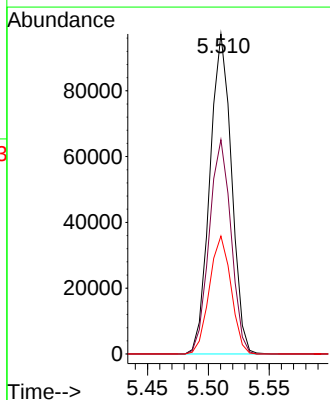
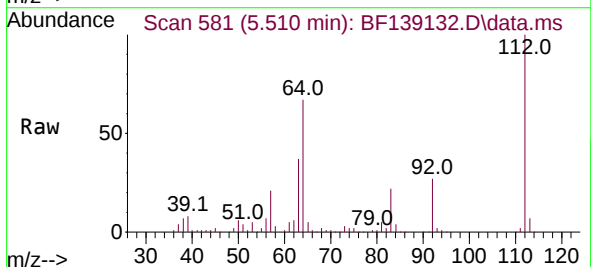
Instrument :
 BNA_F
 ClientSampleId :
 915-J-SD-0.5-1-081624DL

Tgt Ion:152 Resp: 76169
 Ion Ratio Lower Upper
 152 100
 150 154.3 125.1 187.7
 115 64.1 51.8 77.6



#5
 2-Fluorophenol
 Concen: 24.330 ng
 RT: 5.510 min Scan# 581
 Delta R.T. -0.000 min
 Lab File: BF139132.D
 Acq: 22 Aug 2024 19:50

Tgt Ion:112 Resp: 120452
 Ion Ratio Lower Upper
 112 100
 64 67.0 53.8 80.6
 63 36.9 29.4 44.2

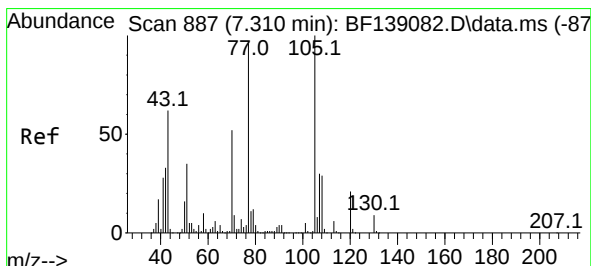
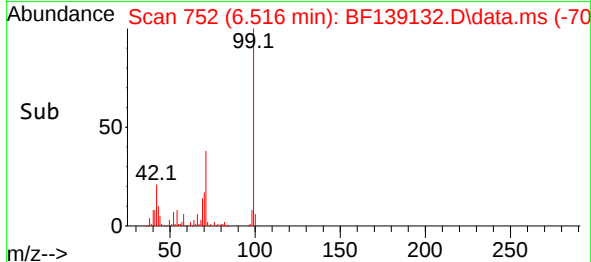
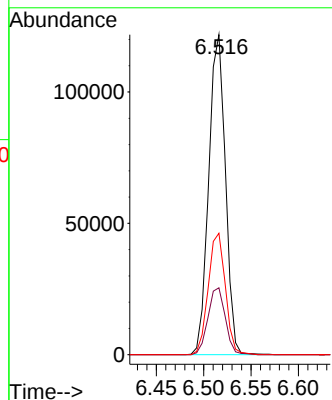
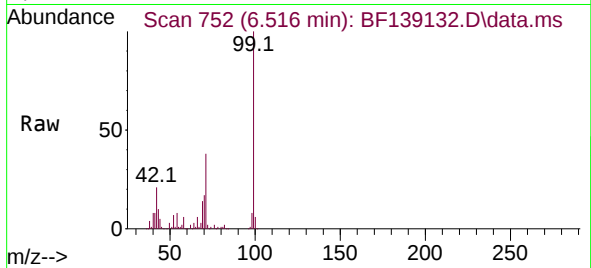




#7
Phenol-d6
Concen: 23.336 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

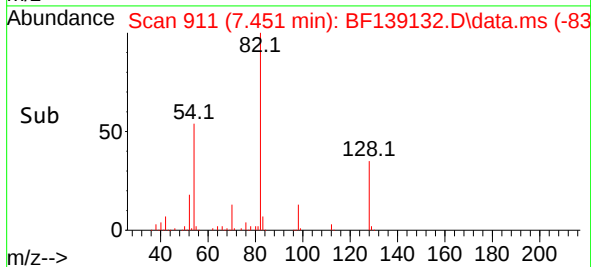
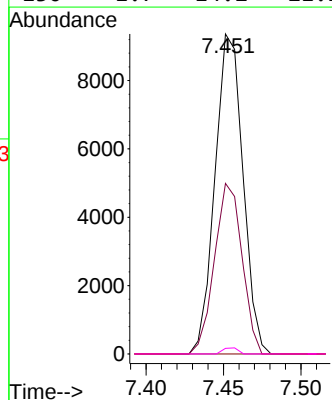
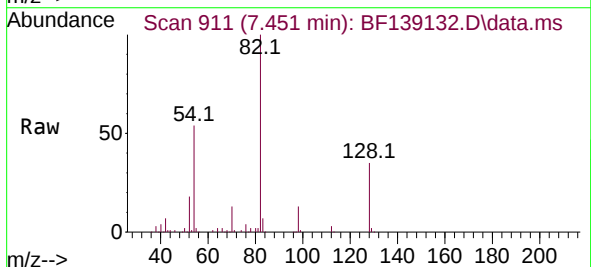
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624DL

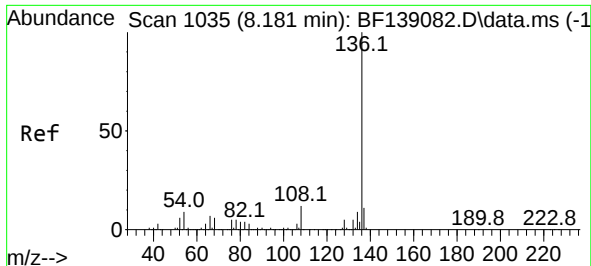
Tgt Ion: 99 Resp: 149280
Ion Ratio Lower Upper
99 100
42 20.9 17.4 26.2
71 37.9 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.796 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

Tgt Ion: 70 Resp: 11747
Ion Ratio Lower Upper
70 100
42 53.3 50.5 75.7
101 0.0 7.2 10.8#
130 1.7 14.2 21.2#

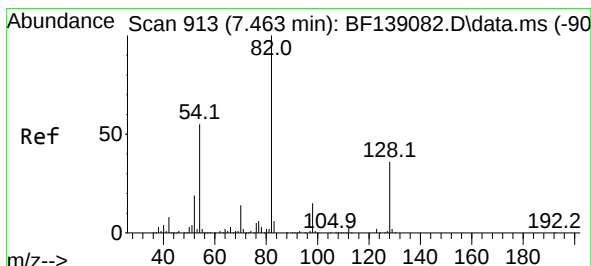
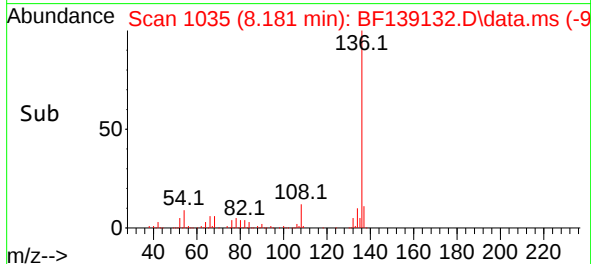
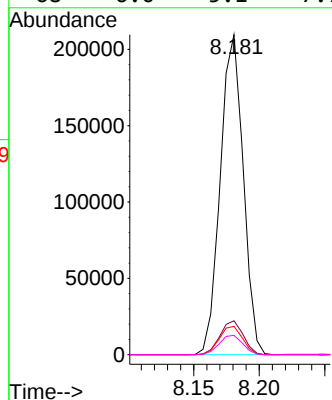
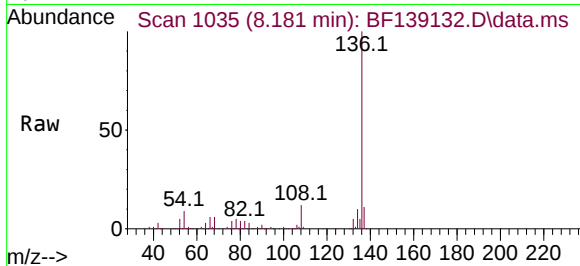




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

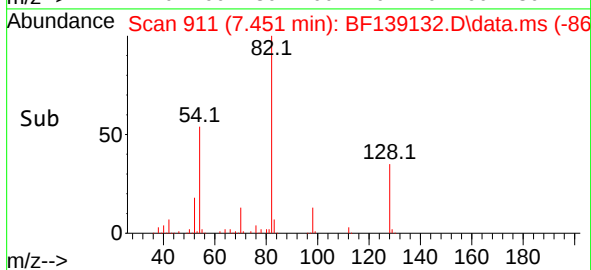
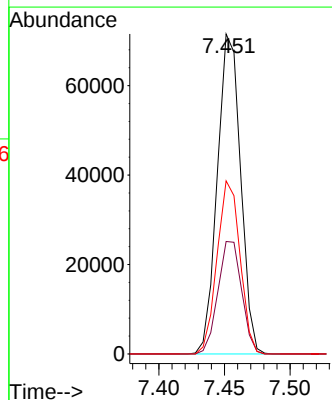
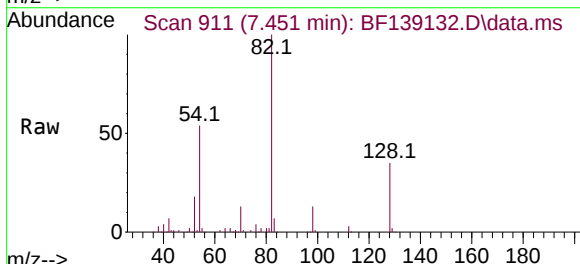
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624DL

Tgt Ion:	136	Resp:	254689
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	8.8	7.6	11.4
68	6.0	5.1	7.7



#23
Nitrobenzene-d5
Concen: 20.191 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

Tgt Ion:	82	Resp:	88250
Ion	Ratio	Lower	Upper
82	100		
128	35.2	29.0	43.4
54	54.1	43.4	65.2

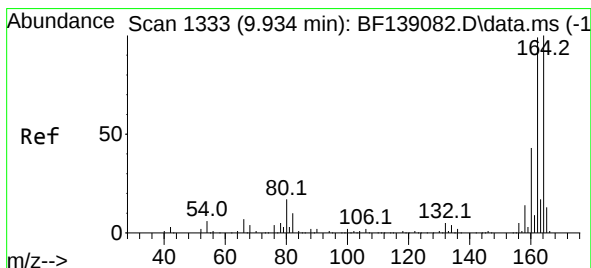
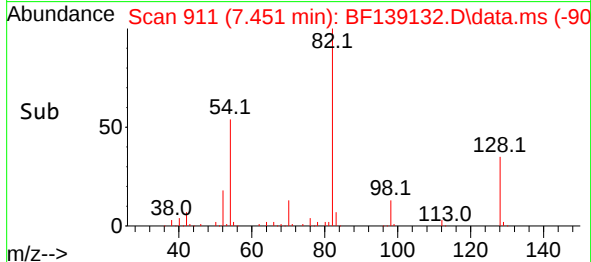
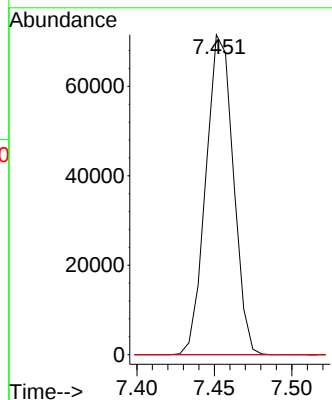
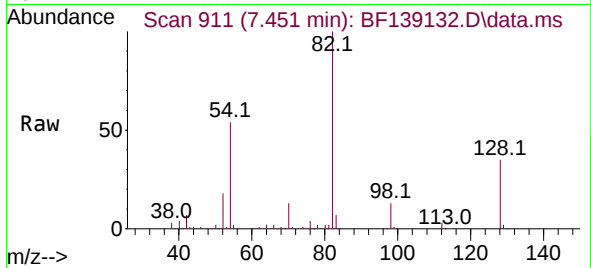




#25
Isophorone
Concen: 9.491 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.265 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

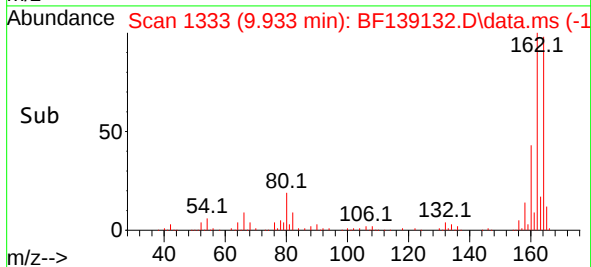
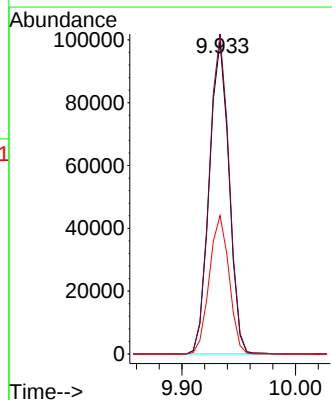
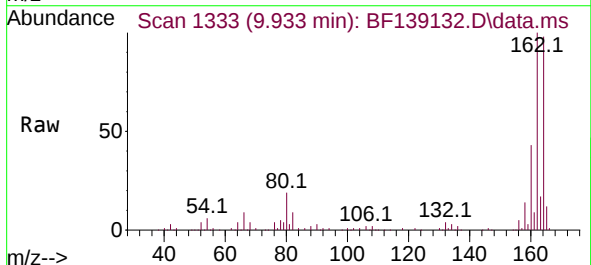
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624DL

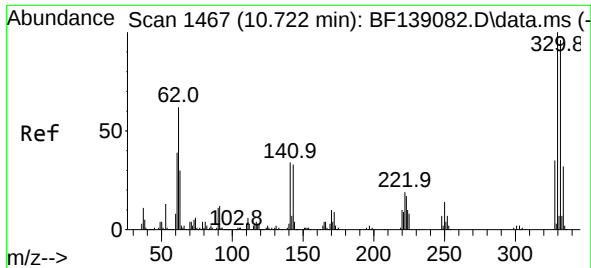
Tgt Ion: 82 Resp: 88174
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.001 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

Tgt Ion:164 Resp: 119411
Ion Ratio Lower Upper
164 100
162 102.5 79.5 119.3
160 44.3 34.5 51.7

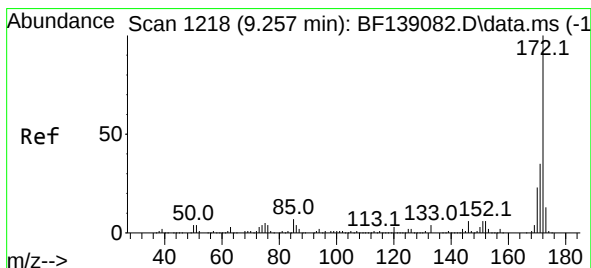
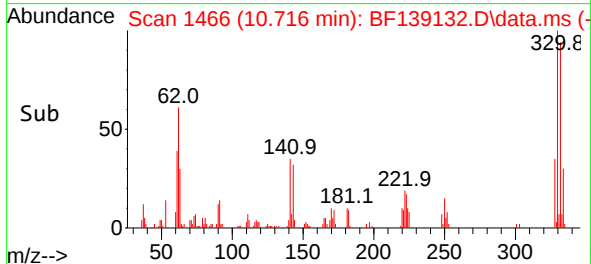
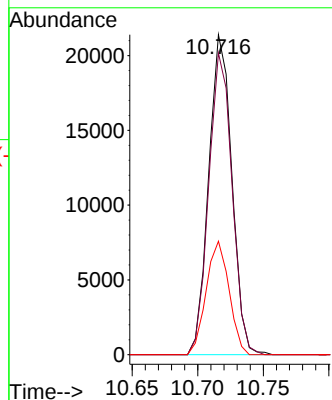
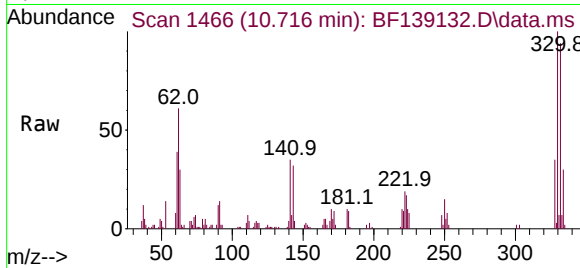




#42
2,4,6-Tribromophenol
Concen: 24.320 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

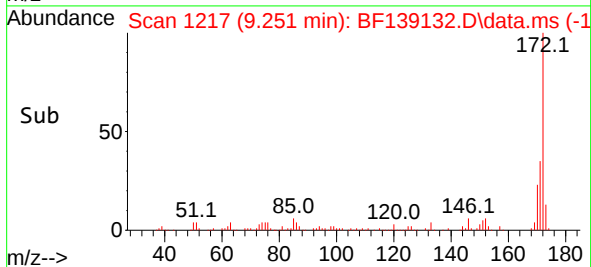
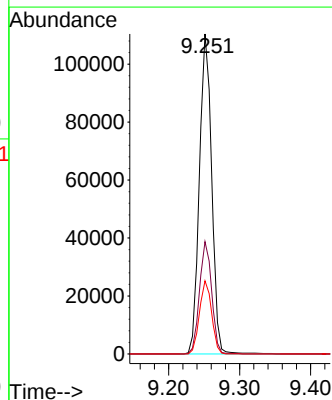
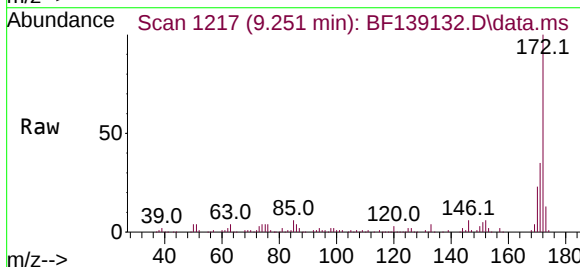
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624DL

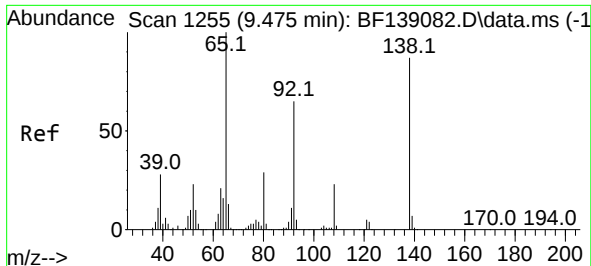
Tgt Ion:330 Resp: 26290
Ion Ratio Lower Upper
330 100
332 94.8 77.0 115.6
141 35.0 27.5 41.3



#45
2-Fluorobiphenyl
Concen: 17.705 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

Tgt Ion:172 Resp: 133249
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 22.9 18.8 28.2





#48

2-Nitroaniline

Concen: 5.740 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.224 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0.5-1-081624DL

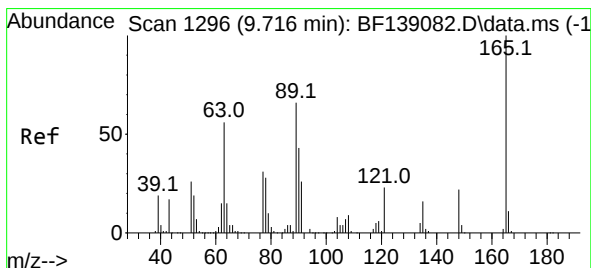
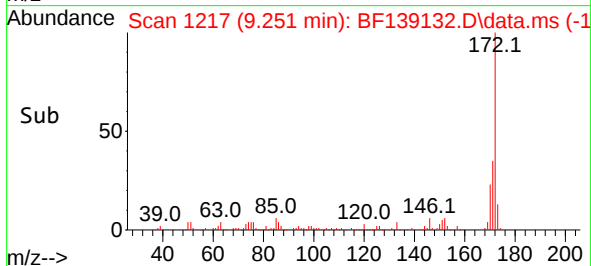
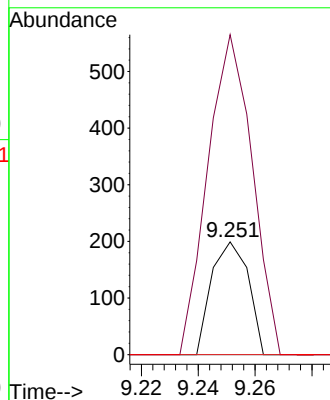
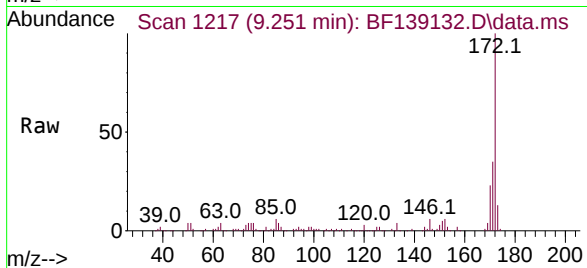
Tgt Ion: 65 Resp: 179

Ion Ratio Lower Upper

65 100

92 283.9 52.4 78.6#

138 0.0 69.4 104.0#



#51

2,6-Dinitrotoluene

Concen: 13.697 ng

RT: 9.933 min Scan# 1333

Delta R.T. 0.217 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

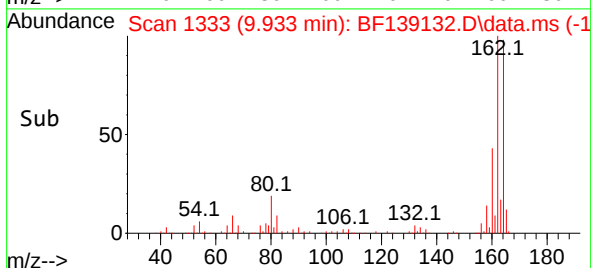
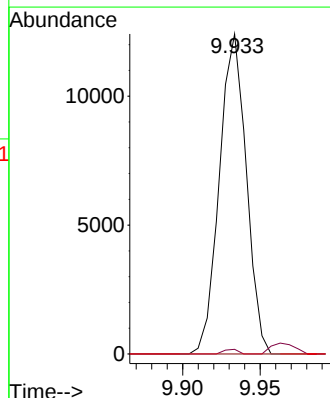
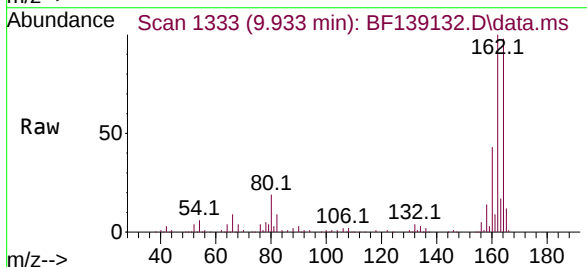
Tgt Ion:165 Resp: 14984

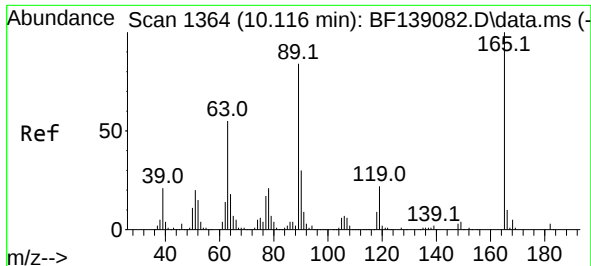
Ion Ratio Lower Upper

165 100

63 1.5 58.0 87.0#

89 0.0 53.3 79.9#

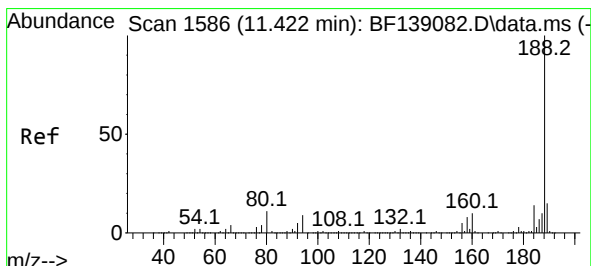
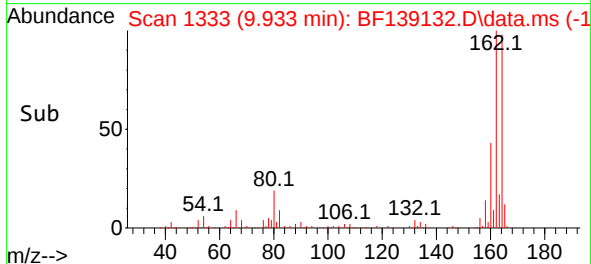
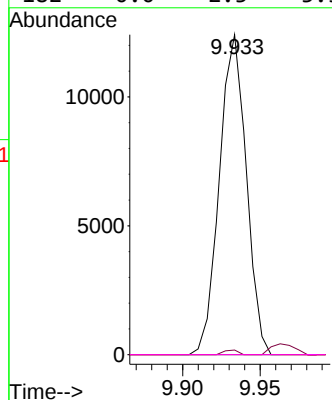
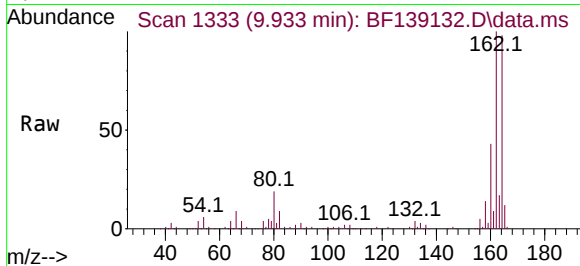




#57
2,4-Dinitrotoluene
Concen: 12.694 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.183 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

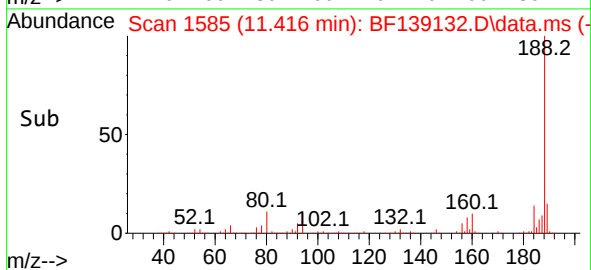
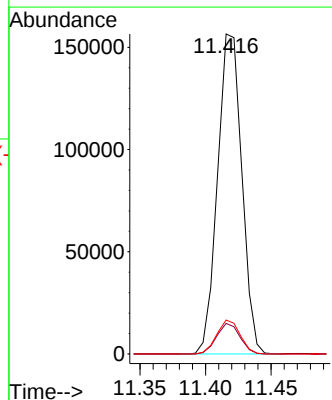
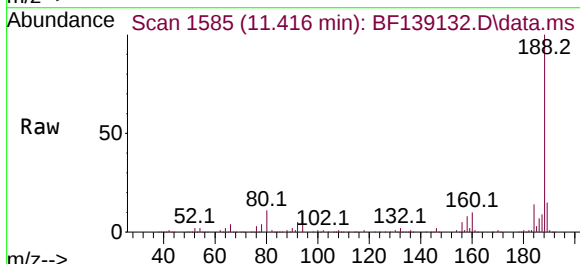
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624DL

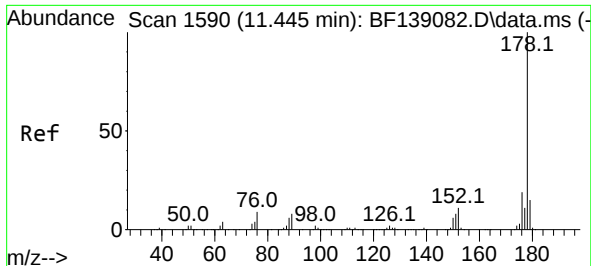
Tgt Ion:165	Resp:	14984
Ion Ratio	Lower	Upper
165	100	
63	1.5	44.2 66.4#
89	0.0	67.4 101.2#
182	0.0	2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

Tgt Ion:188	Resp:	201529
Ion Ratio	Lower	Upper
188	100	
94	9.5	7.2 10.8
80	10.6	8.5 12.7

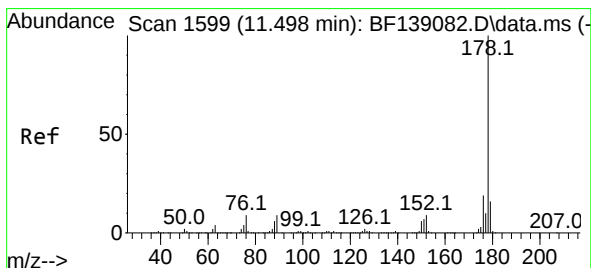
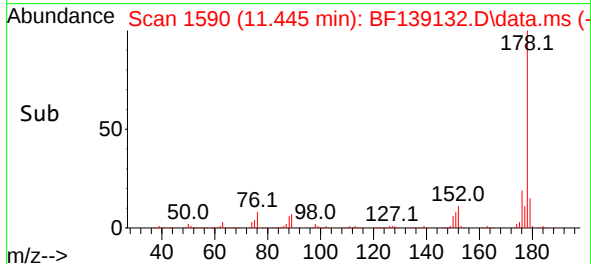
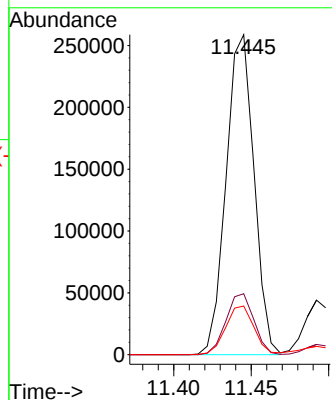
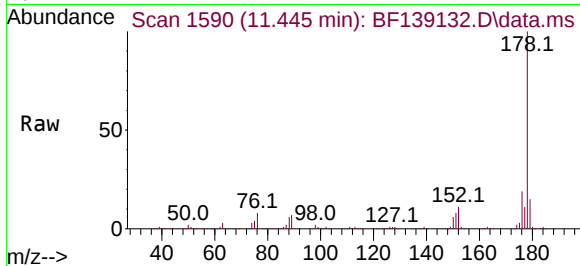




#71
Phenanthrene
Concen: 31.638 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

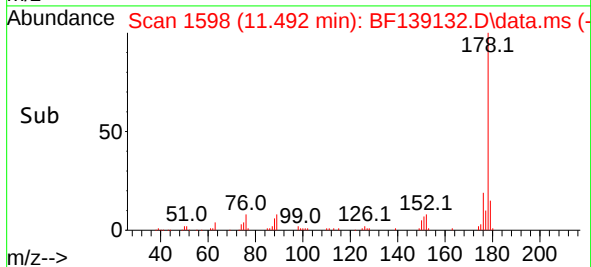
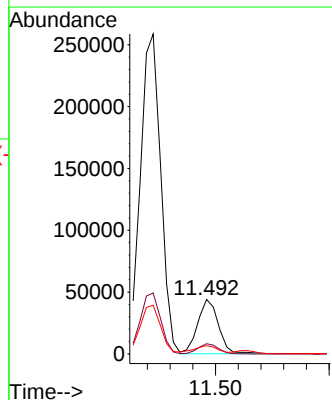
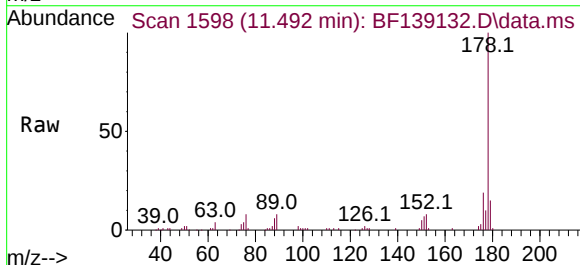
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624DL

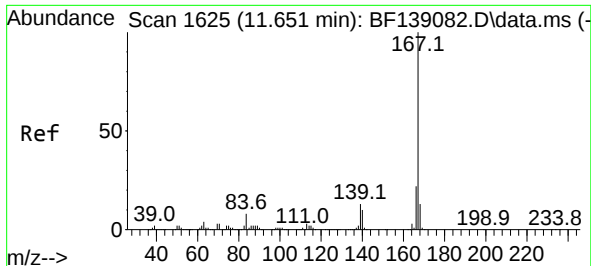
Tgt Ion:178 Resp: 324082
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.2 12.3 18.5



#72
Anthracene
Concen: 5.571 ng
RT: 11.492 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

Tgt Ion:178 Resp: 55808
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.2 12.4 18.6

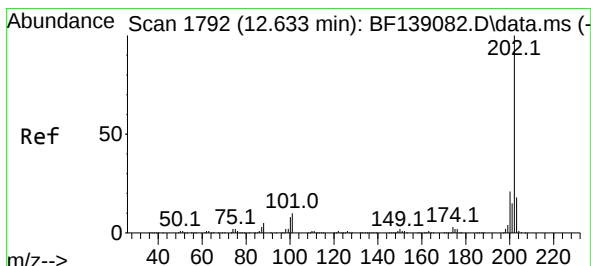
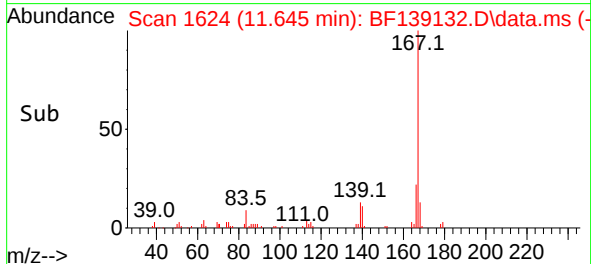
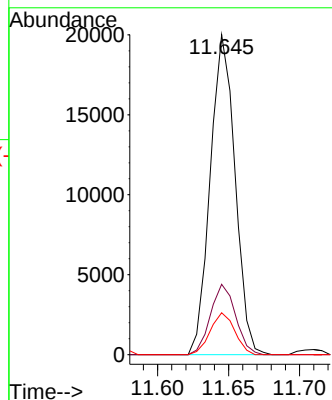
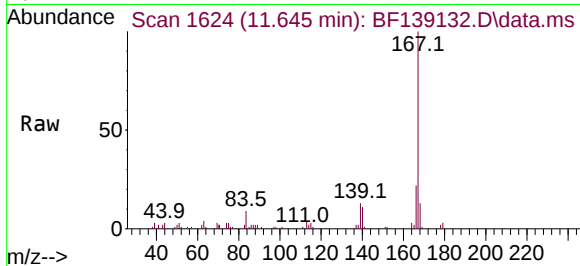




#73
 Carbazole
 Concen: 2.600 ng
 RT: 11.645 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF139132.D
 Acq: 22 Aug 2024 19:50

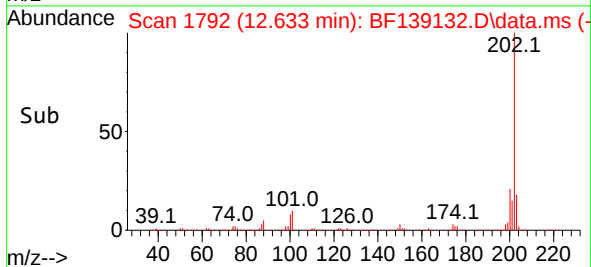
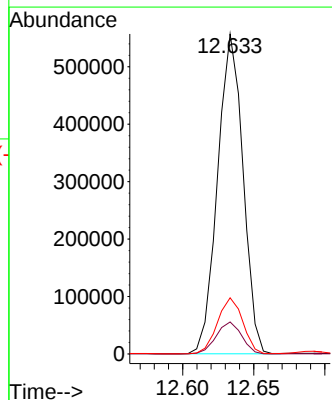
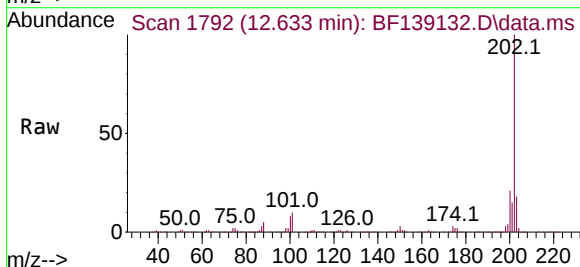
Instrument :
 BNA_F
 ClientSampleId :
 915-J-SD-0.5-1-081624DL

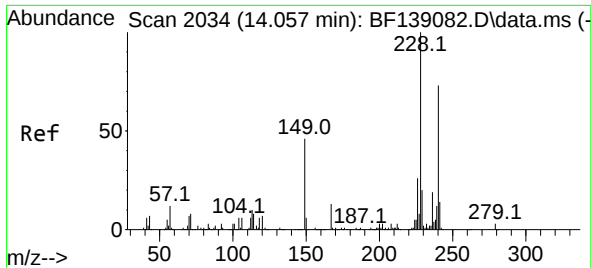
Tgt Ion:167 Resp: 24323
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.3 25.9
 139 13.1 10.5 15.7



#75
 Fluoranthene
 Concen: 63.444 ng
 RT: 12.633 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: BF139132.D
 Acq: 22 Aug 2024 19:50

Tgt Ion:202 Resp: 693628
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 30.2
 203 17.6 0.0 37.6

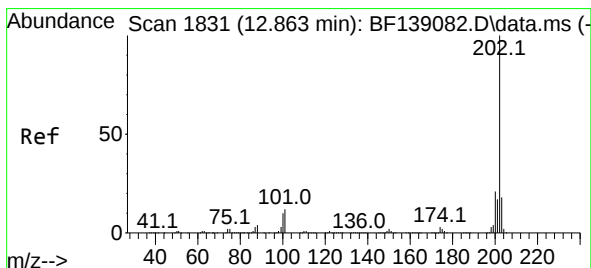
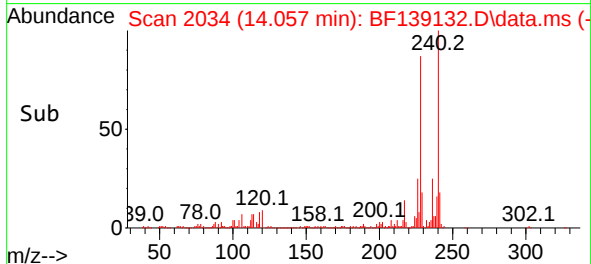
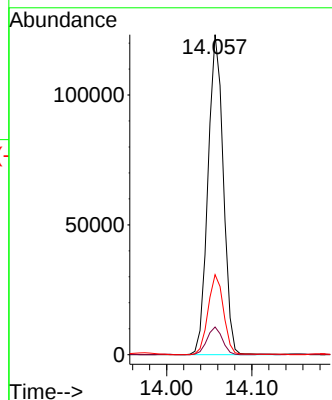
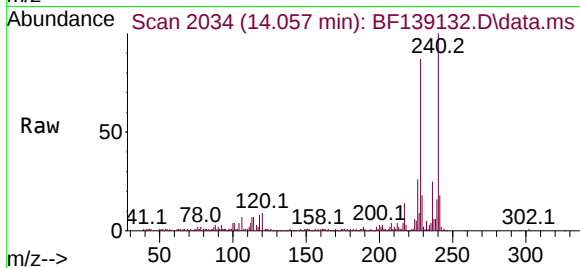




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

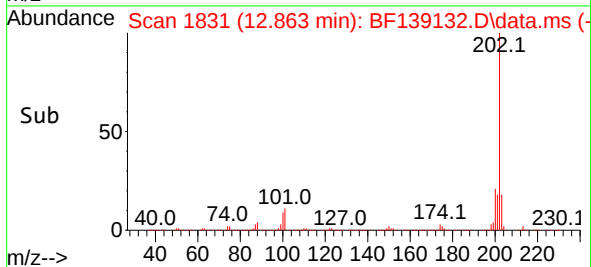
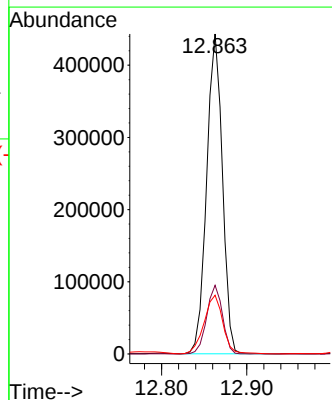
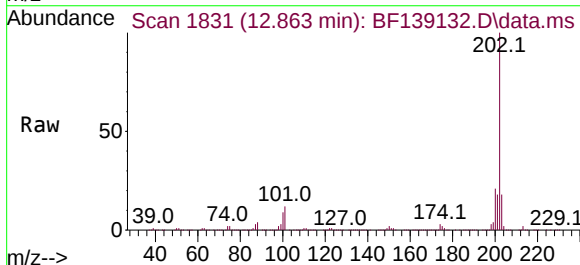
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624DL

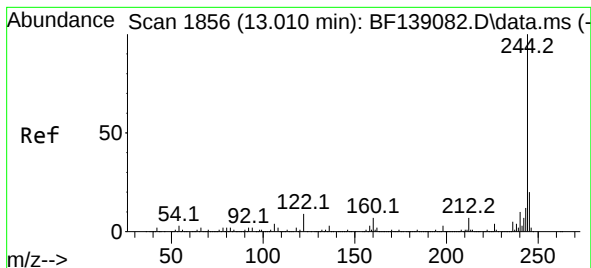
Tgt Ion:240 Resp: 153727
Ion Ratio Lower Upper
240 100
120 8.6 7.8 11.6
236 25.0 20.9 31.3



#78
Pyrene
Concen: 44.215 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

Tgt Ion:202 Resp: 567230
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 18.4 14.1 21.1





#79

Terphenyl-d14

Concen: 13.854 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139132.D

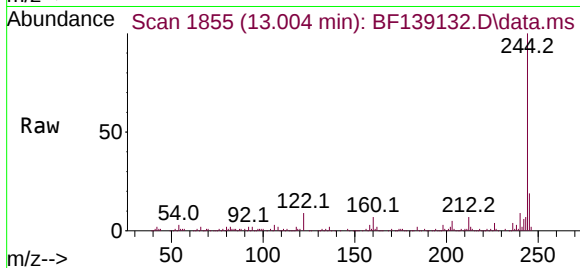
Acq: 22 Aug 2024 19:50

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0.5-1-081624DL



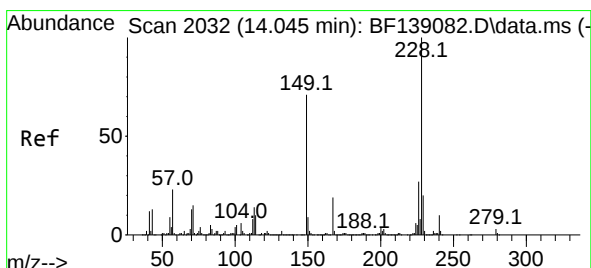
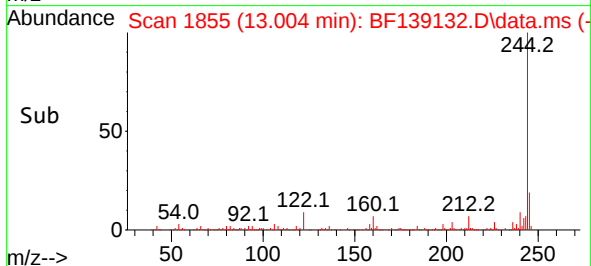
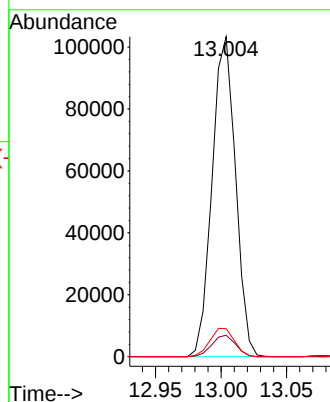
Tgt Ion:244 Resp: 128353

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 8.8 7.6 11.4



#81

Benzo(a)anthracene

Concen: 23.812 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

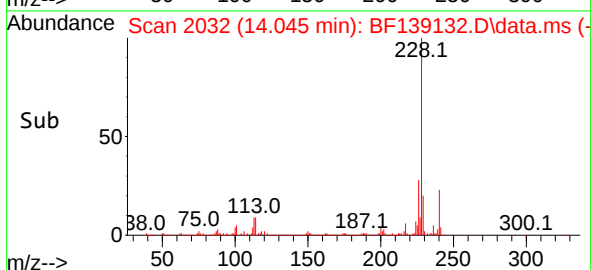
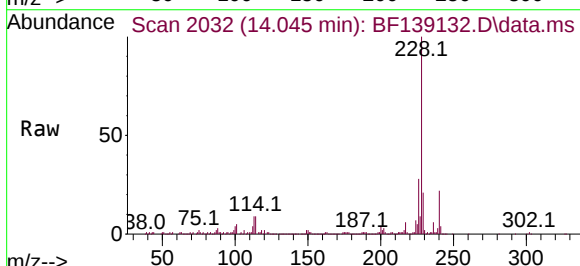
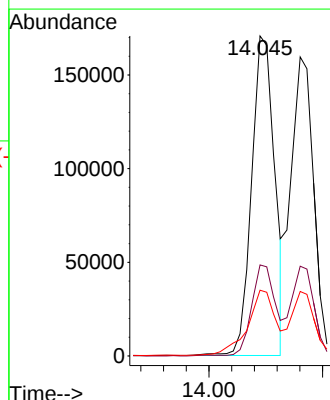
Tgt Ion:228 Resp: 240633

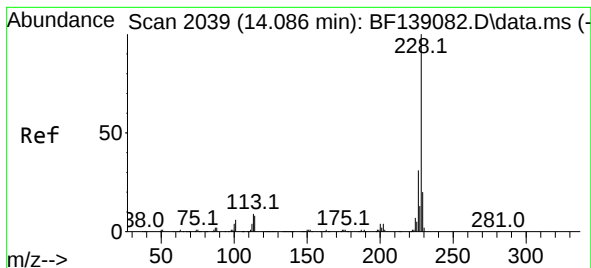
Ion Ratio Lower Upper

228 100

226 28.5 21.9 32.9

229 20.6 16.1 24.1





#83

Chrysene

Concen: 24.024 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0.5-1-081624DL

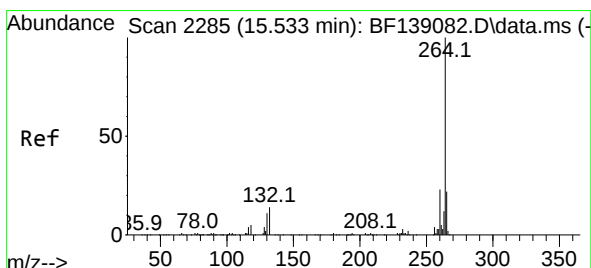
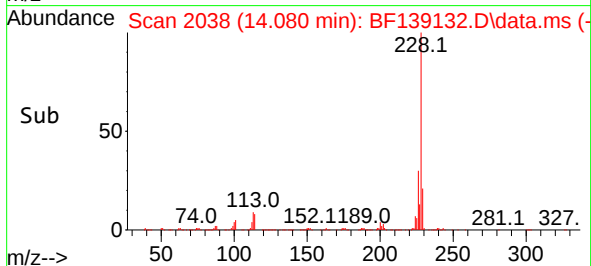
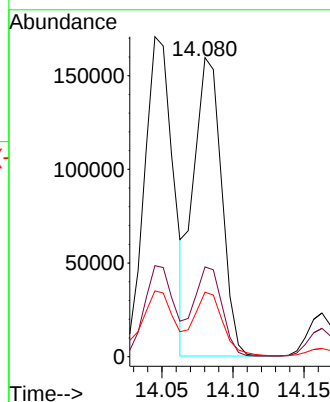
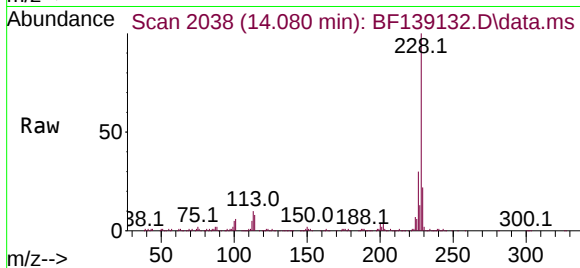
Tgt Ion:228 Resp: 220054

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 21.5 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: BF139132.D

Acq: 22 Aug 2024 19:50

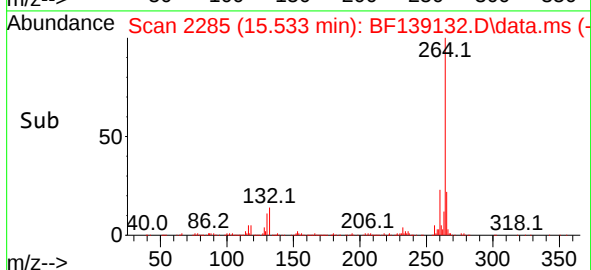
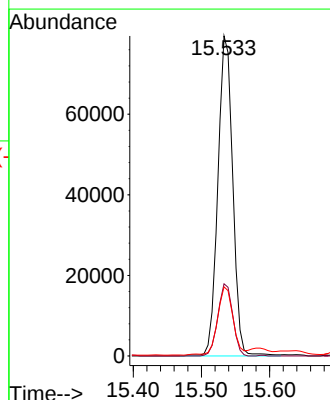
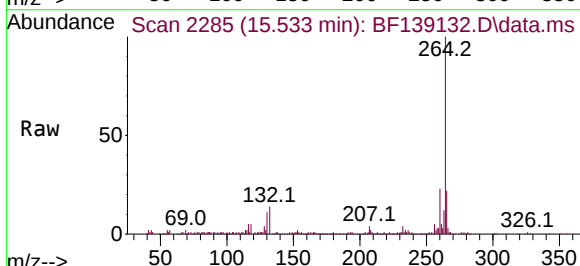
Tgt Ion:264 Resp: 120705

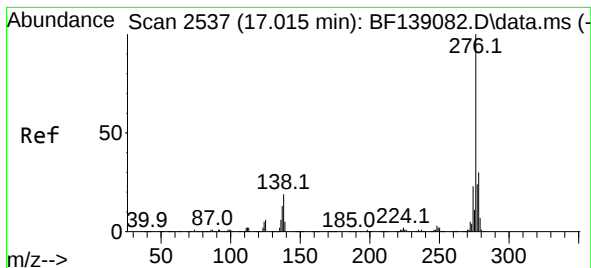
Ion Ratio Lower Upper

264 100

260 22.6 18.6 27.8

265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.495 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0.5-1-081624DL

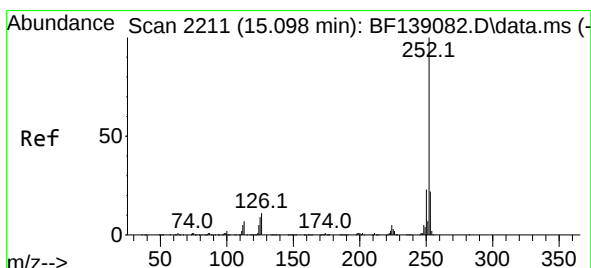
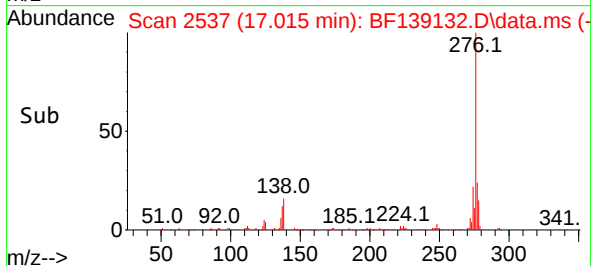
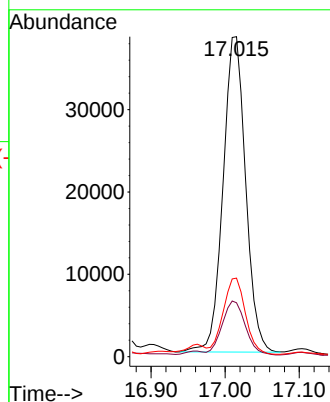
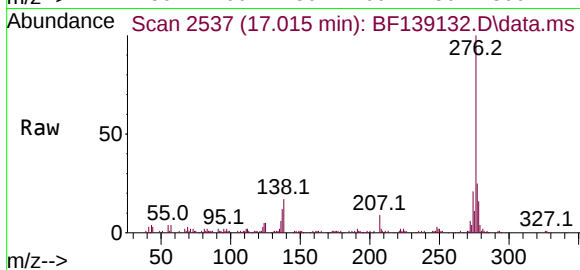
Tgt Ion:276 Resp: 81208

Ion Ratio Lower Upper

276 100

138 19.0 17.3 25.9

277 23.9 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 37.191 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

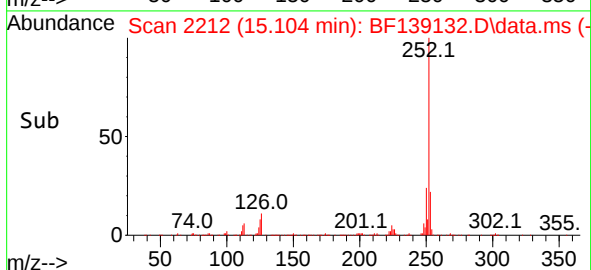
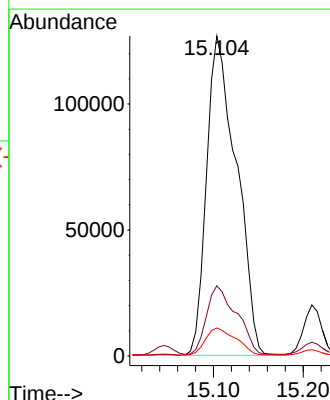
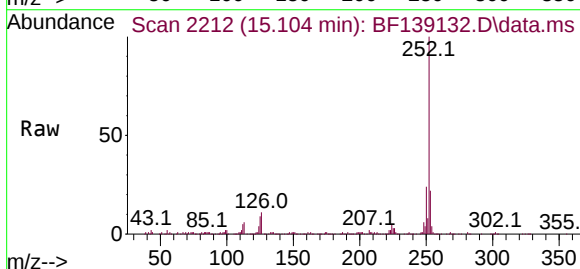
Tgt Ion:252 Resp: 292664

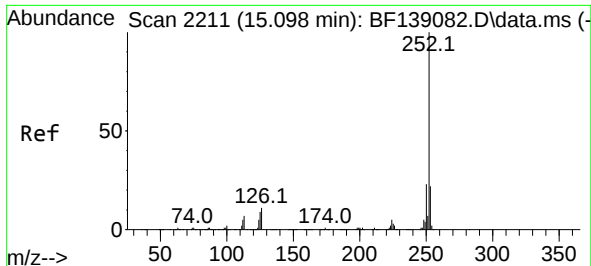
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 8.7 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 44.654 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0.5-1-081624DL

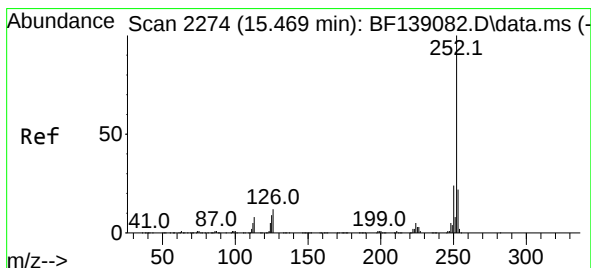
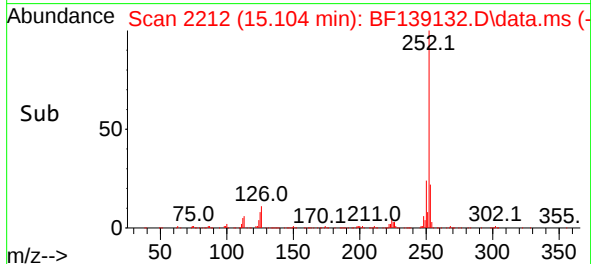
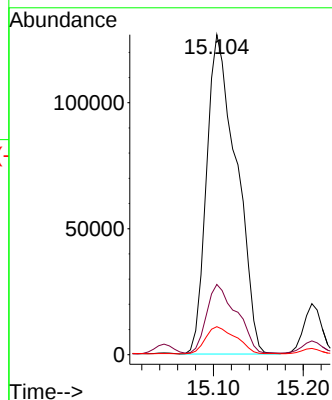
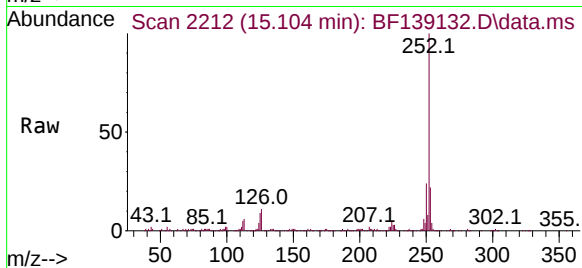
Tgt Ion:252 Resp: 292664

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 8.7 7.0 10.6



#90

Benzo(a)pyrene

Concen: 23.525 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.006 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

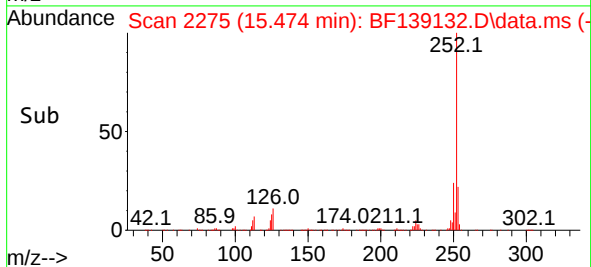
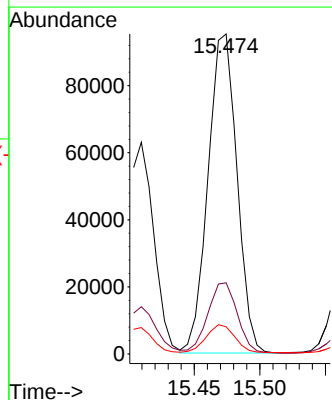
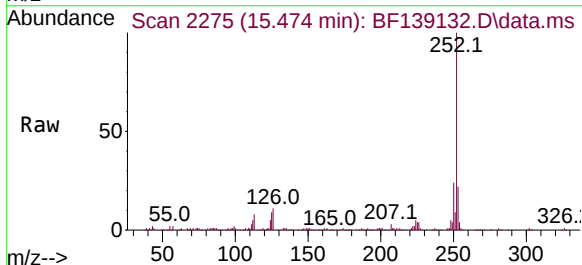
Tgt Ion:252 Resp: 146276

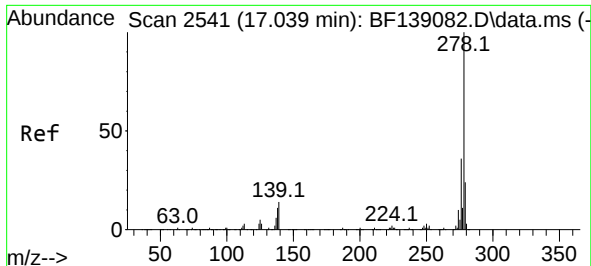
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 8.5 7.4 11.2

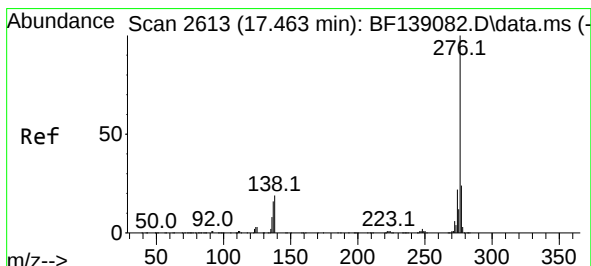
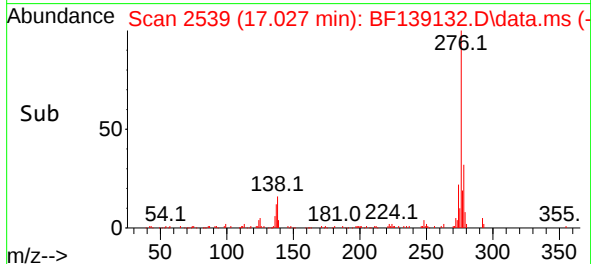
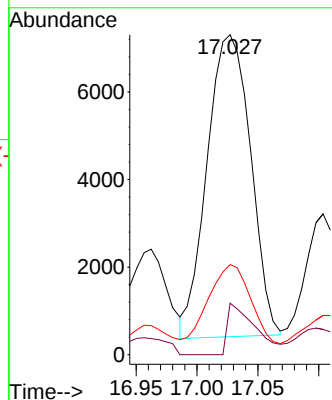
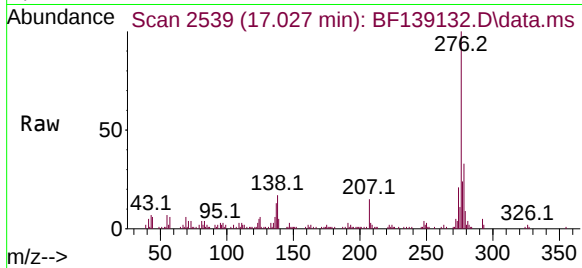




#91
Dibenzo(a,h)anthracene
Concen: 2.961 ng
RT: 17.027 min Scan# 2539
Delta R.T. -0.012 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624DL

Tgt Ion:278 Resp: 17170
Ion Ratio Lower Upper
278 100
139 16.1 10.8 16.2
279 28.2 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 13.040 ng
RT: 17.462 min Scan# 2613
Delta R.T. -0.001 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

Tgt Ion:276 Resp: 72079
Ion Ratio Lower Upper
276 100
277 24.3 18.8 28.2
138 17.2 15.0 22.4

