

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139128.D
 Acq On : 22 Aug 2024 17:51
 Operator : RC/JU
 Sample : P3663-12RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 919-J-SD-0-1-081624

Quant Time: Aug 22 18:21:57 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)

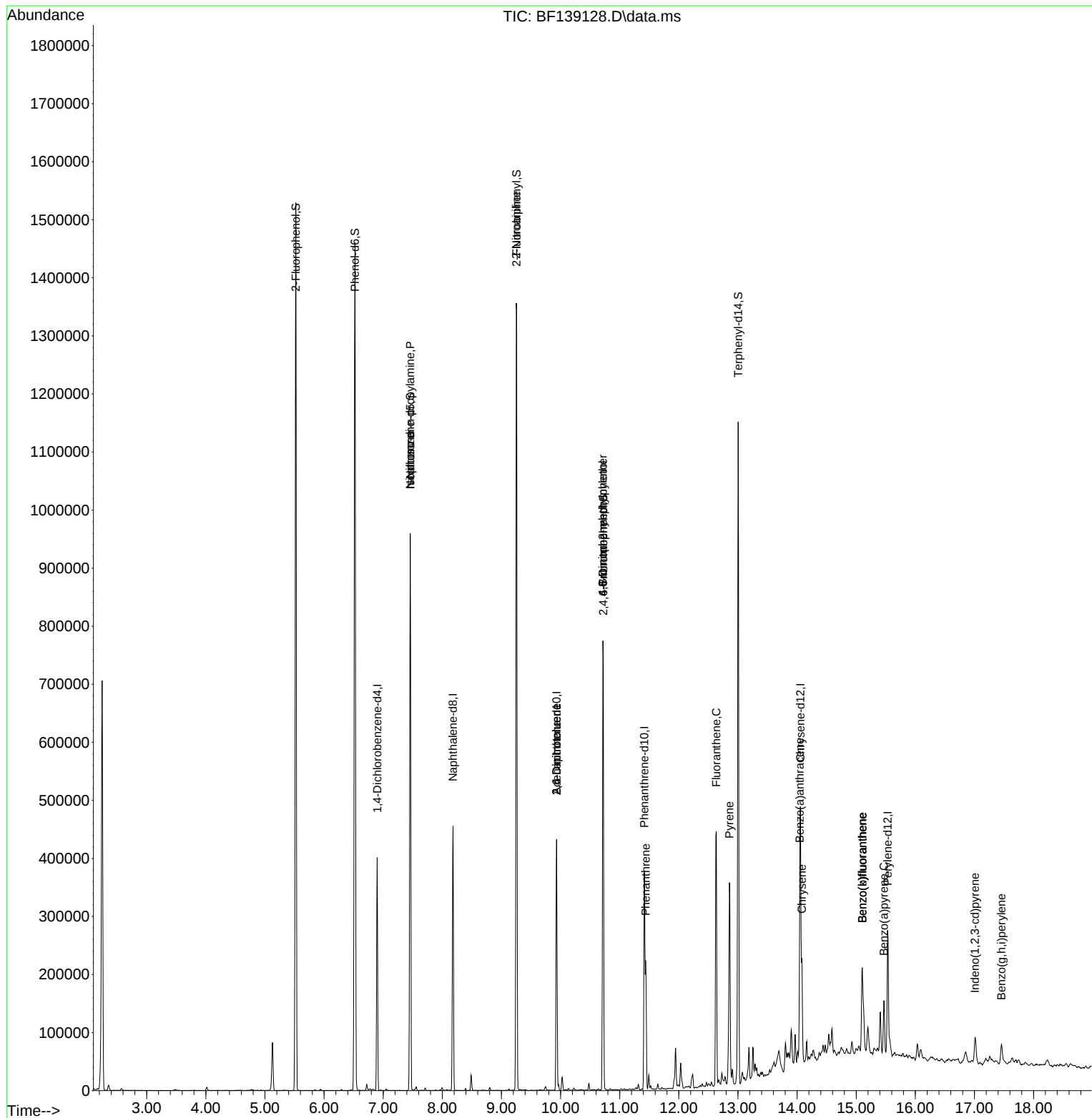
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	74682	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	259603	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	125045	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	194651	20.000	ng	0.00
76) Chrysene-d12	14.057	240	149810	20.000	ng	0.00
86) Perylene-d12	15.533	264	119715	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	517807	106.673	ng	0.01
7) Phenol-d6	6.522	99	657461	104.822	ng	0.00
23) Nitrobenzene-d5	7.457	82	419234	94.100	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	119046	105.163	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	586064	74.362	ng	0.00
79) Terphenyl-d14	13.004	244	524491	58.093	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	57487	13.957	ng	# 79
25) Isophorone	7.457	82	418874	44.235	ng	# 69
48) 2-Nitroaniline	9.251	65	1170	6.175	ng	# 1
51) 2,6-Dinitrotoluene	9.933	165	15983	13.868	ng	# 16
57) 2,4-Dinitrotoluene	9.933	165	15983	12.827	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.716	198	169	6.734	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	8740	4.237	ng	# 1
71) Phenanthrene	11.439	178	112176	11.338	ng	99
75) Fluoranthene	12.633	202	247688	23.456	ng	99
78) Pyrene	12.857	202	189746	15.177	ng	97
81) Benzo(a)anthracene	14.045	228	83260	8.455	ng	99
83) Chrysene	14.080	228	90000	10.083	ng	98
87) Indeno(1,2,3-cd)pyrene	17.009	276	31727	4.528	ng	98
88) Benzo(b)fluoranthene	15.104	252	121070	15.513	ng	99
89) Benzo(k)fluoranthene	15.104	252	121070	18.625	ng	99
90) Benzo(a)pyrene	15.468	252	55135	8.940	ng	98
92) Benzo(g,h,i)perylene	17.456	276	30948	7.230	ng	100

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

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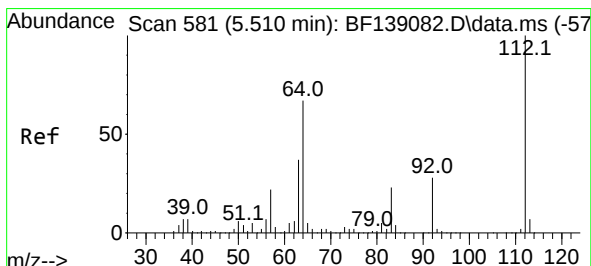
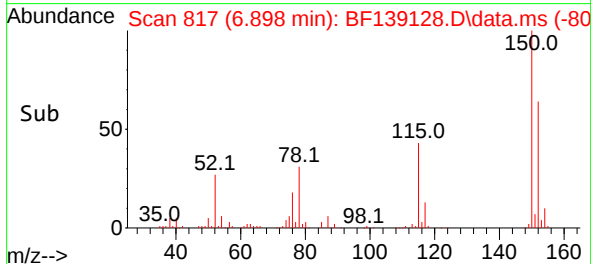
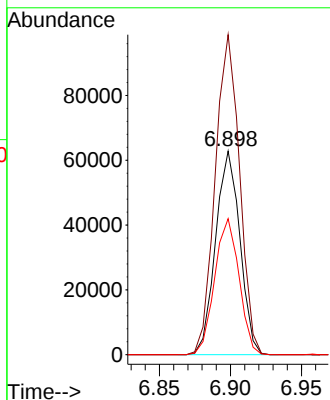
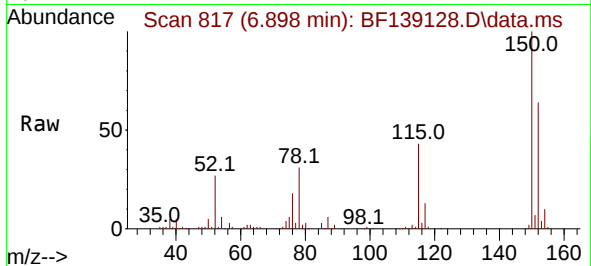




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

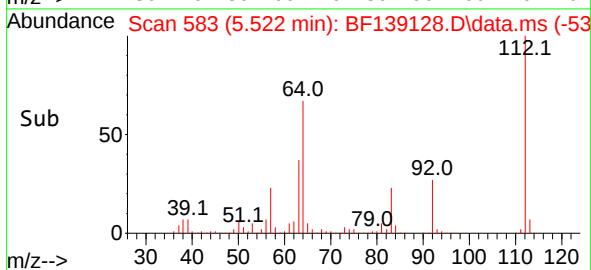
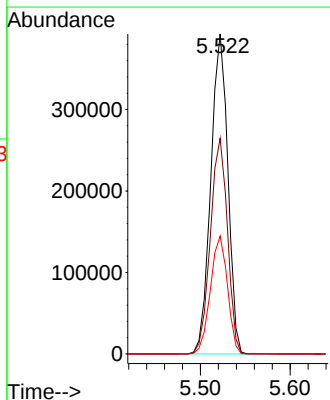
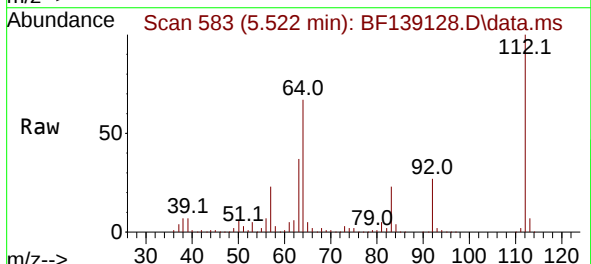
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

Tgt Ion:152 Resp: 74682
Ion Ratio Lower Upper
152 100
150 157.2 125.1 187.7
115 66.8 51.8 77.6



#5
2-Fluorophenol
Concen: 106.673 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.012 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

Tgt Ion:112 Resp: 517807
Ion Ratio Lower Upper
112 100
64 67.4 53.8 80.6
63 36.9 29.4 44.2

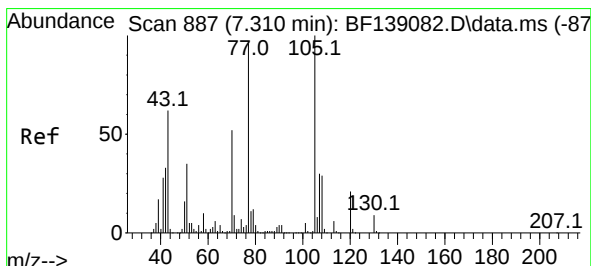
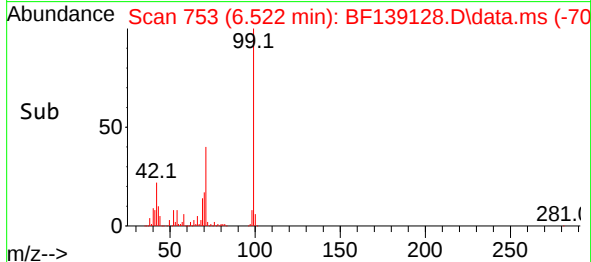
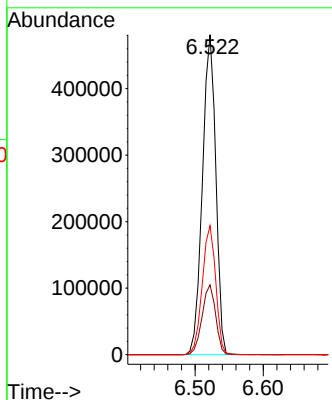
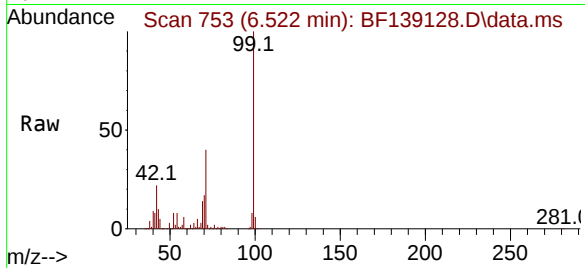




#7
Phenol-d6
Concen: 104.822 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

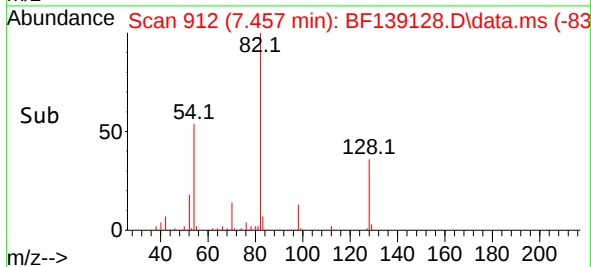
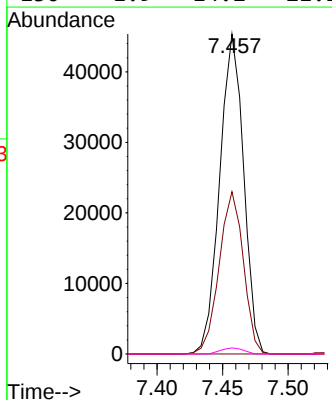
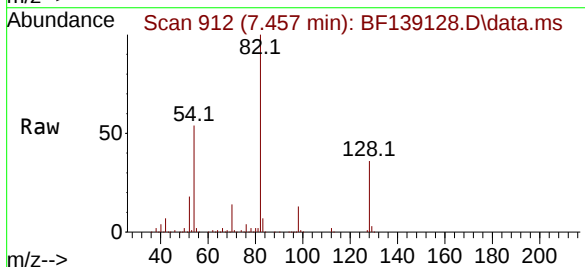
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

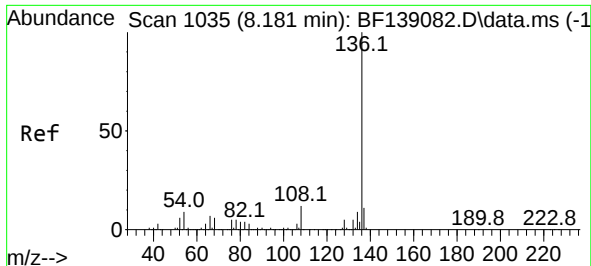
Tgt Ion: 99 Resp: 657461
Ion Ratio Lower Upper
99 100
42 21.8 17.4 26.2
71 40.3 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.957 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

Tgt Ion: 70 Resp: 57487
Ion Ratio Lower Upper
70 100
42 50.7 50.5 75.7
101 0.0 7.2 10.8#
130 1.9 14.2 21.2#

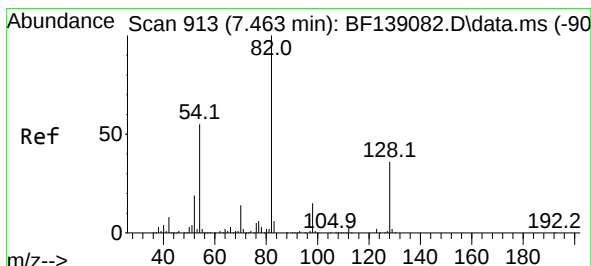
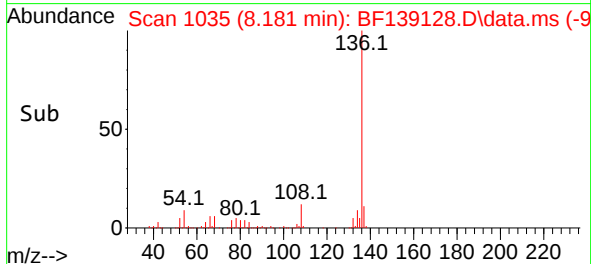
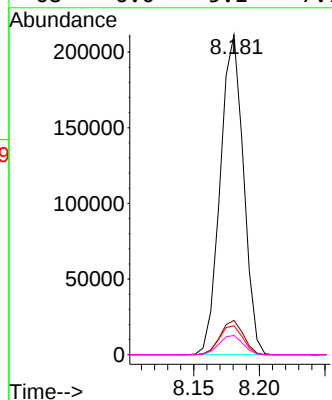
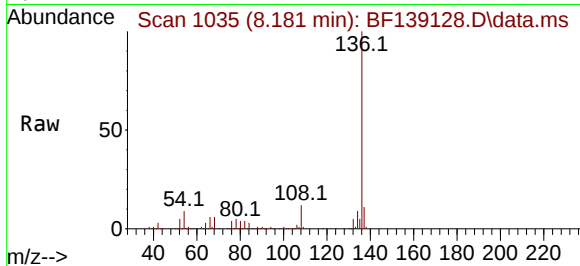




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

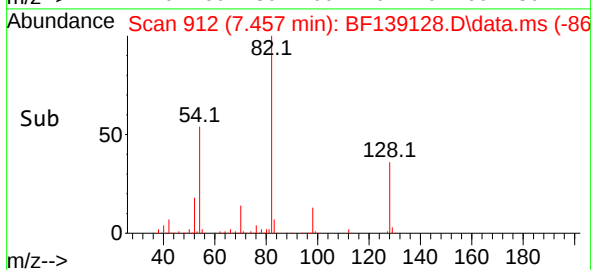
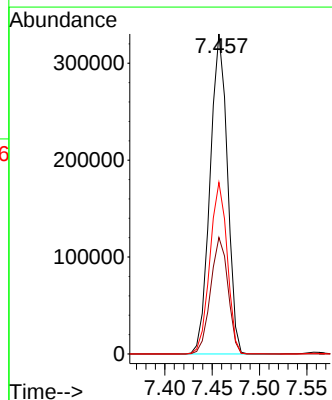
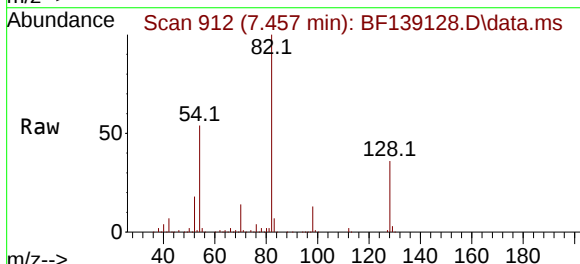
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

Tgt Ion:	136	Resp:	259603
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.1	7.6	11.4
68	6.0	5.1	7.7



#23
Nitrobenzene-d5
Concen: 94.100 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

Tgt Ion:	82	Resp:	419234
Ion	Ratio	Lower	Upper
82	100		
128	36.4	29.0	43.4
54	53.6	43.4	65.2

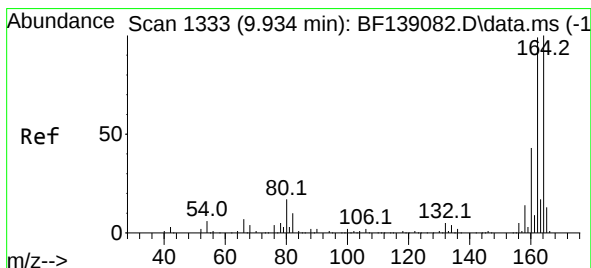
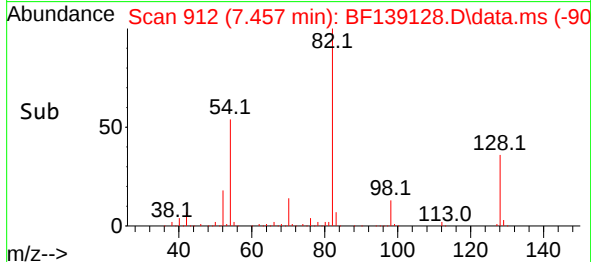
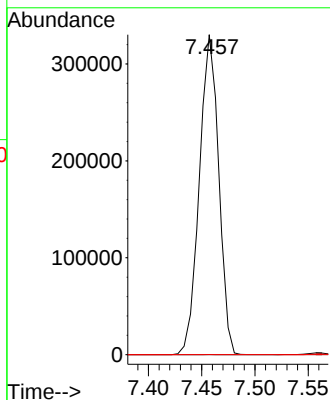
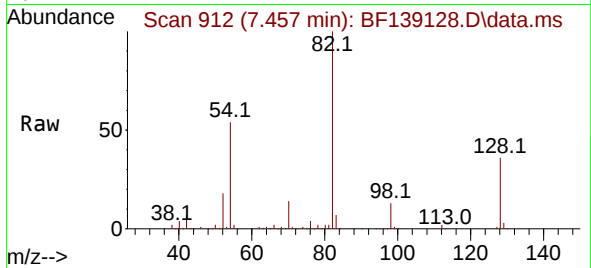




#25
Isophorone
Concen: 44.235 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.259 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

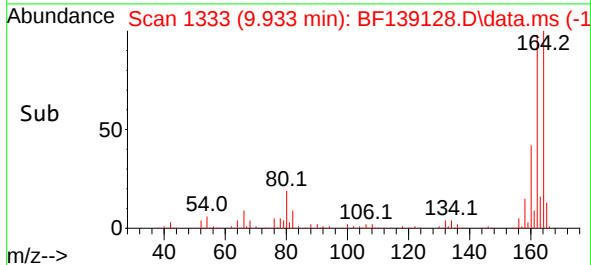
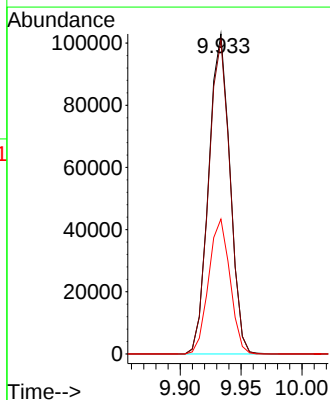
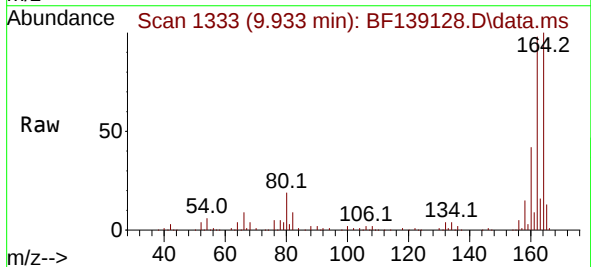
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

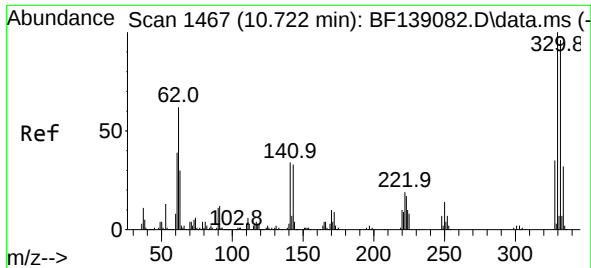
Tgt Ion: 82 Resp: 418874
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.001 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

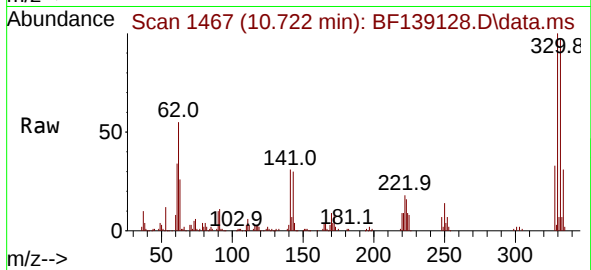
Tgt Ion:164 Resp: 125045
Ion Ratio Lower Upper
164 100
162 98.0 79.5 119.3
160 42.2 34.5 51.7



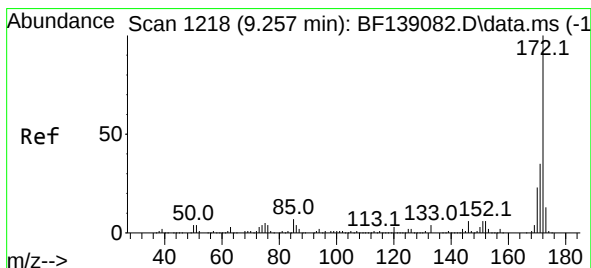
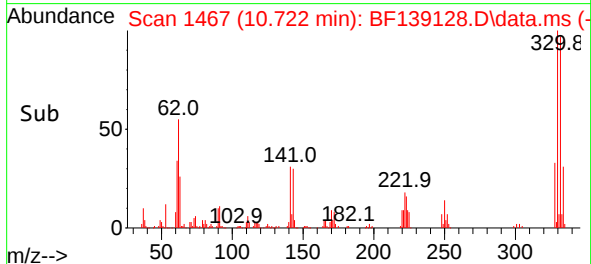
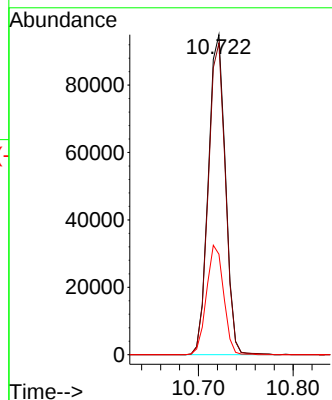


#42
2,4,6-Tribromophenol
Concen: 105.163 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

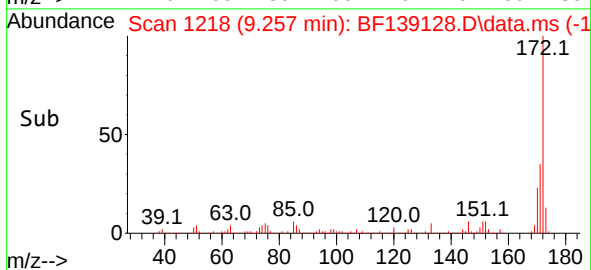
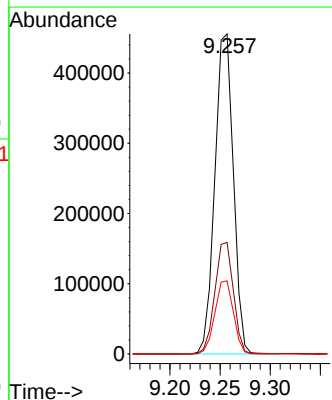
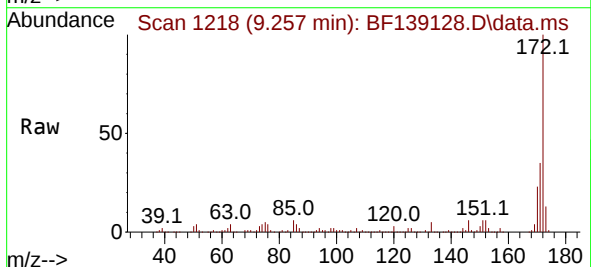


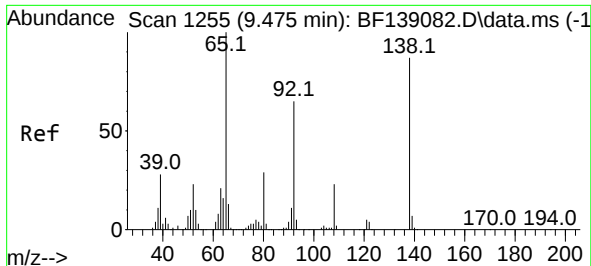
Tgt Ion:330 Resp: 119046
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 34.3 27.5 41.3



#45
2-Fluorobiphenyl
Concen: 74.362 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.000 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

Tgt Ion:172 Resp: 586064
Ion Ratio Lower Upper
172 100
171 34.8 28.4 42.6
170 22.9 18.8 28.2





#48

2-Nitroaniline

Concen: 6.175 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.224 min

Lab File: BF139128.D

Acq: 22 Aug 2024 17:51

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-1-081624

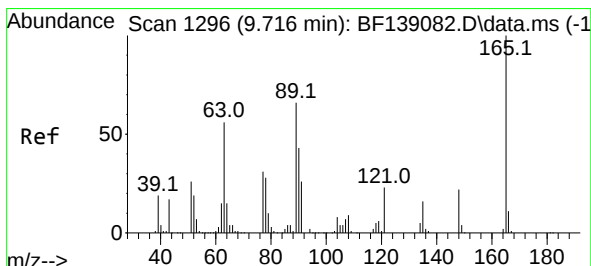
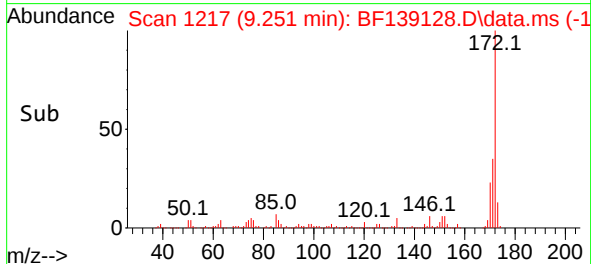
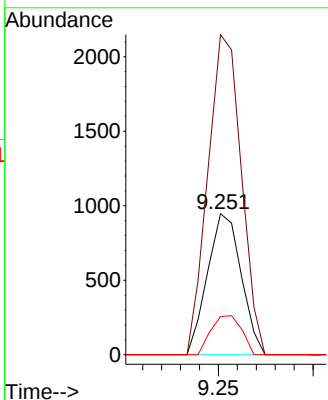
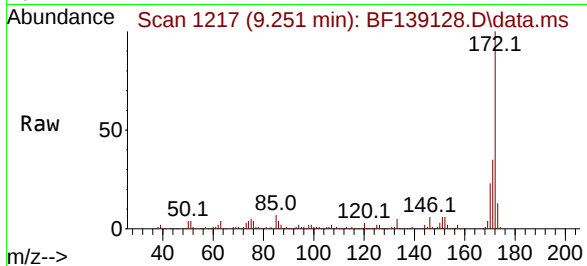
Tgt Ion: 65 Resp: 1170

Ion Ratio Lower Upper

65 100

92 226.8 52.4 78.6#

138 27.0 69.4 104.0#



#51

2,6-Dinitrotoluene

Concen: 13.868 ng

RT: 9.933 min Scan# 1333

Delta R.T. 0.217 min

Lab File: BF139128.D

Acq: 22 Aug 2024 17:51

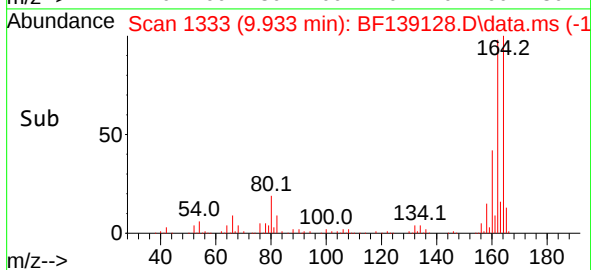
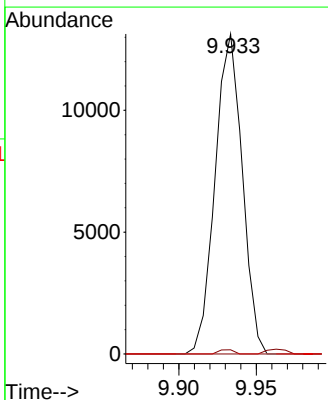
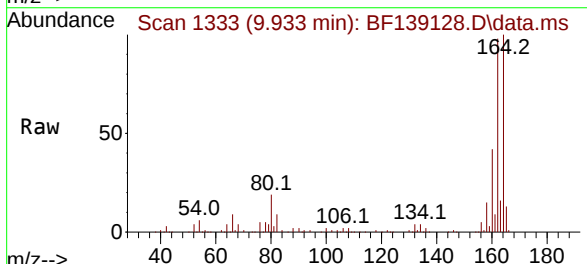
Tgt Ion: 165 Resp: 15983

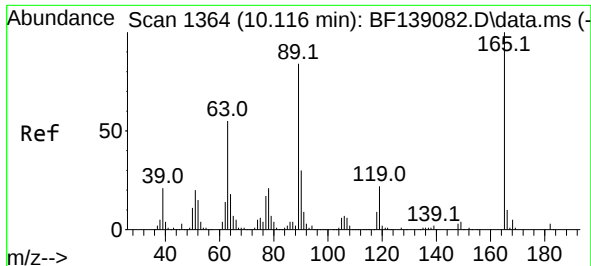
Ion Ratio Lower Upper

165 100

63 1.3 58.0 87.0#

89 0.0 53.3 79.9#

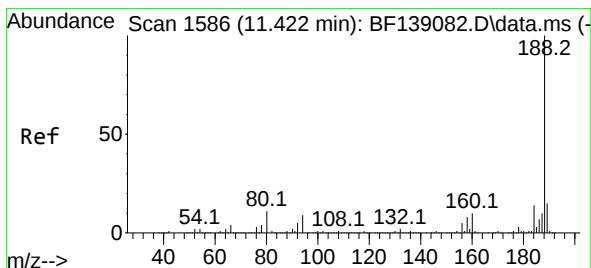
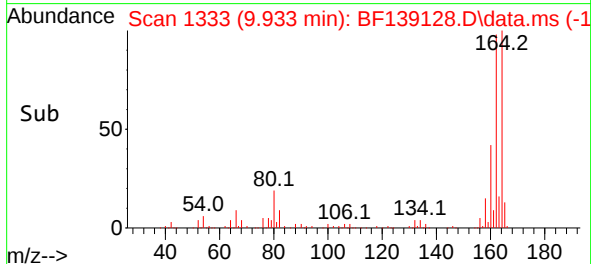
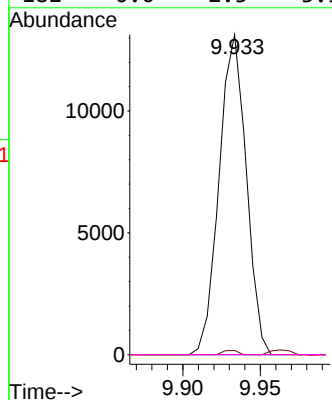
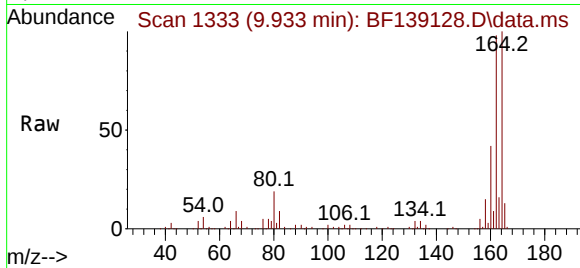




#57
2,4-Dinitrotoluene
Concen: 12.827 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.183 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

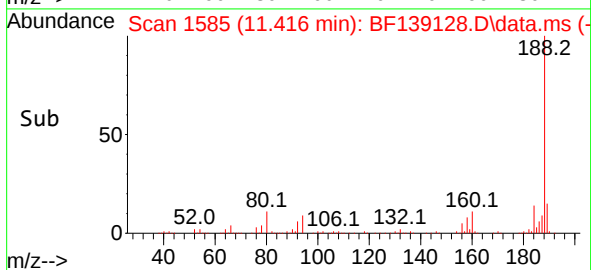
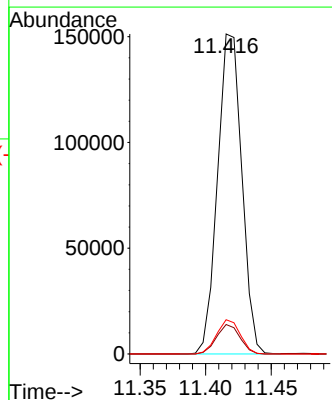
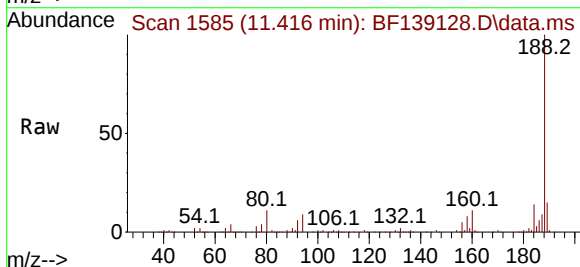
Instrument :
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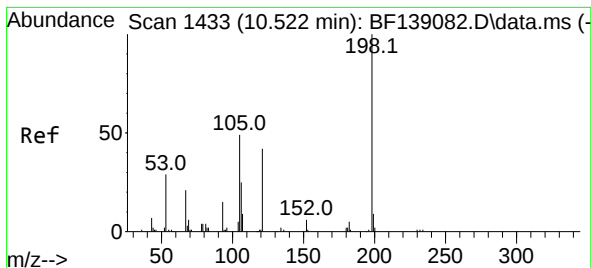
Tgt Ion:165 Resp: 15983
Ion Ratio Lower Upper
165 100
63 1.3 44.2 66.4#
89 0.0 67.4 101.2#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

Tgt Ion:188 Resp: 194651
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 10.7 8.5 12.7

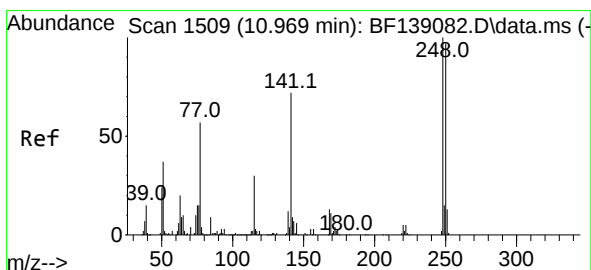
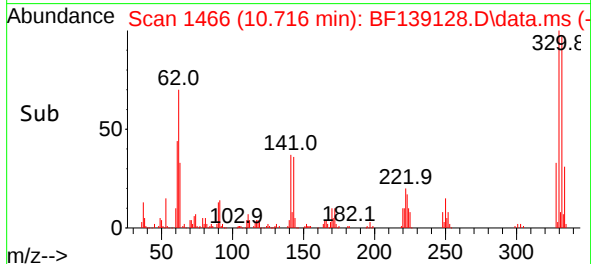
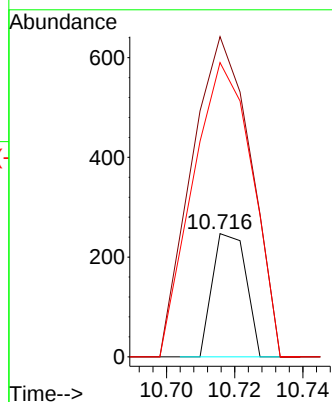
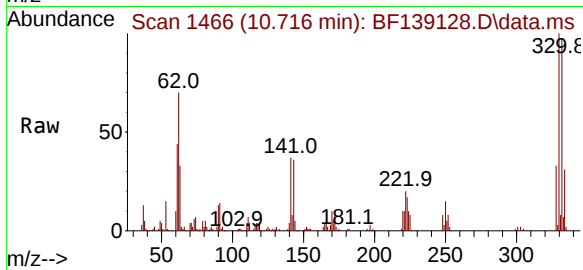




#65
4,6-Dinitro-2-methylphenol
Concen: 6.734 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.194 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

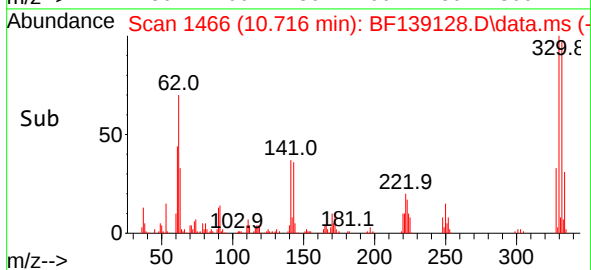
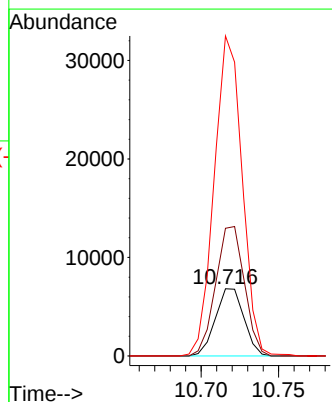
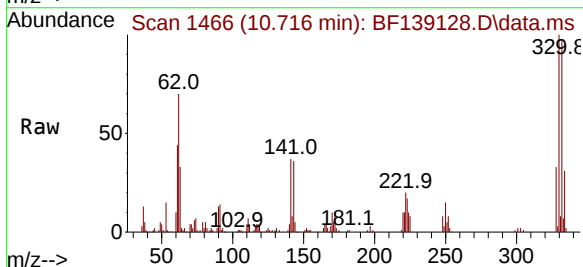
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

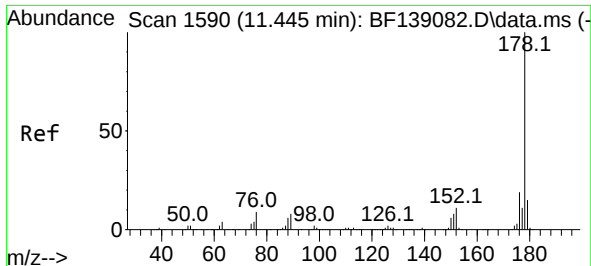
Tgt Ion:198 Resp: 169
Ion Ratio Lower Upper
198 100
51 259.9 40.8 80.8#
105 238.9 30.9 70.9#



#67
4-Bromophenyl-phenylether
Concen: 4.237 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.253 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

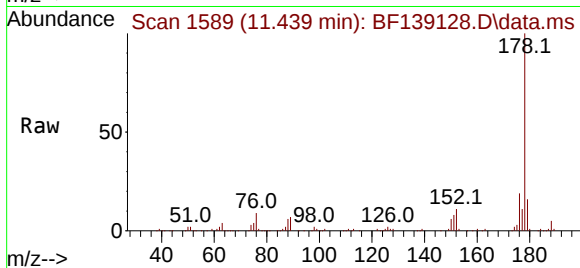
Tgt Ion:248 Resp: 8740
Ion Ratio Lower Upper
248 100
250 190.0 77.8 116.8#
141 476.1 57.9 86.9#



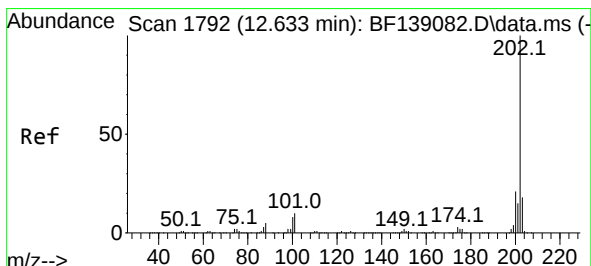
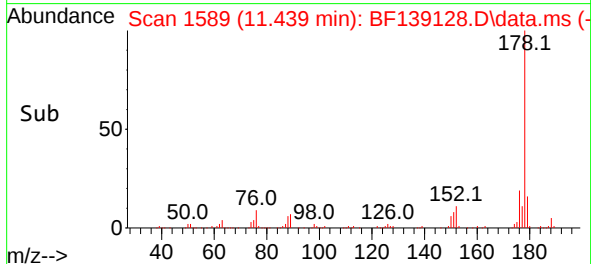
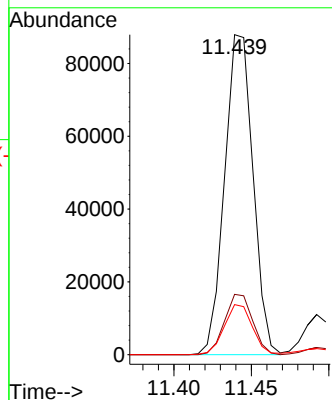


#71
Phenanthrene
Concen: 11.338 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

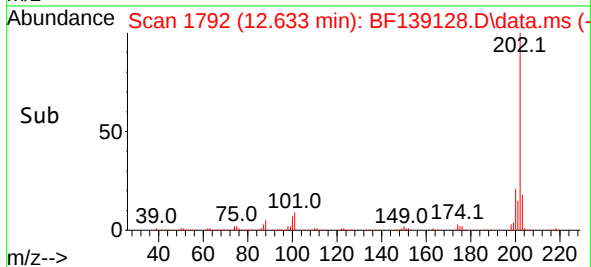
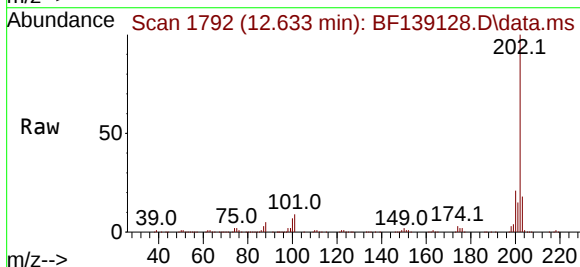
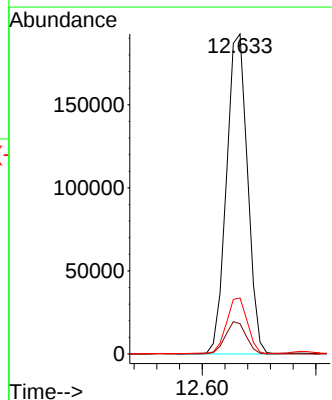


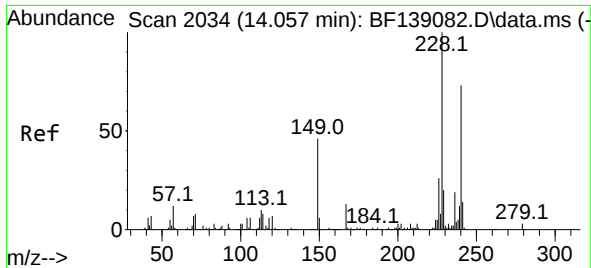
Tgt Ion:178 Resp: 112176
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.7 12.3 18.5



#75
Fluoranthene
Concen: 23.456 ng
RT: 12.633 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

Tgt Ion:202 Resp: 247688
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.2
203 17.5 0.0 37.6

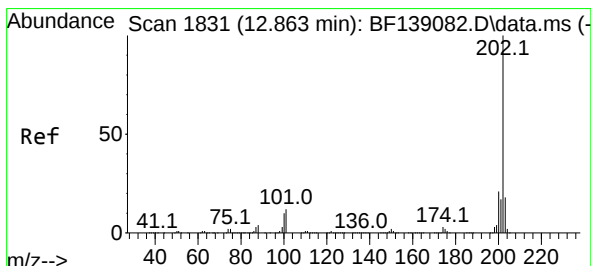
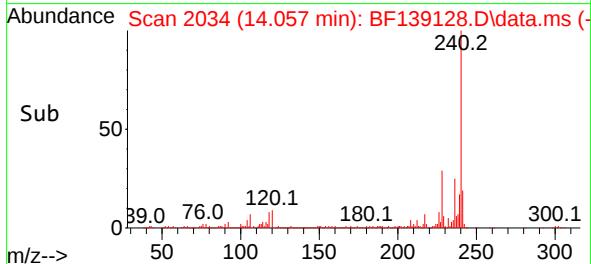
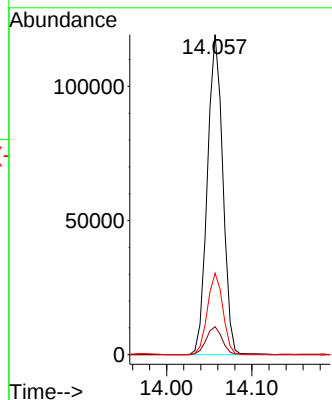
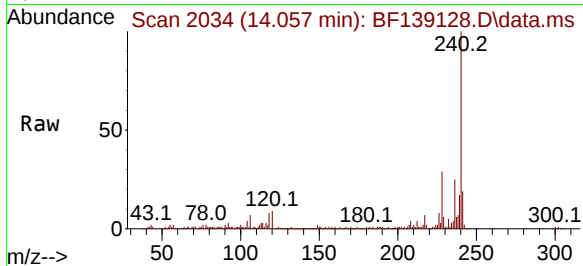




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

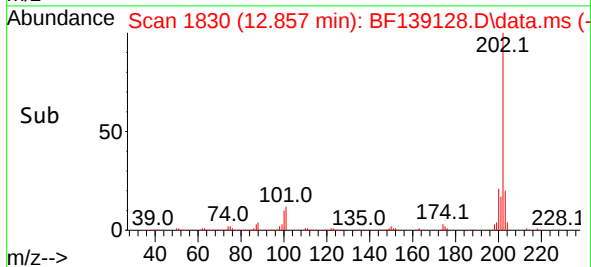
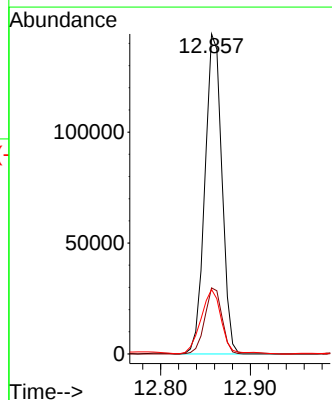
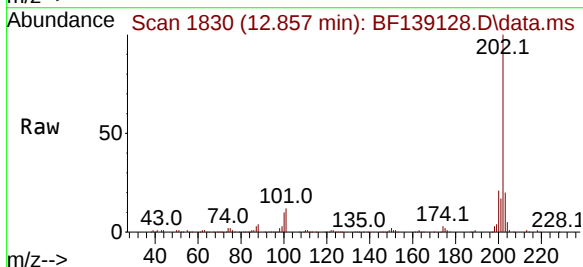
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

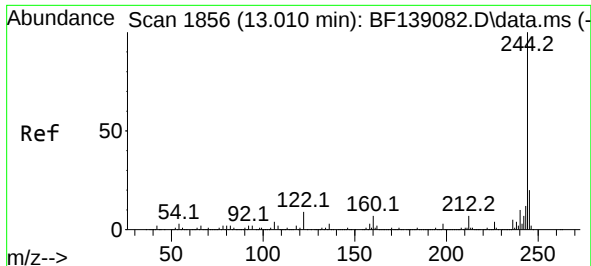
Tgt Ion:240 Resp: 149810
Ion Ratio Lower Upper
240 100
120 8.8 7.8 11.6
236 25.5 20.9 31.3



#78
Pyrene
Concen: 15.177 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

Tgt Ion:202 Resp: 189746
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 20.1 14.1 21.1

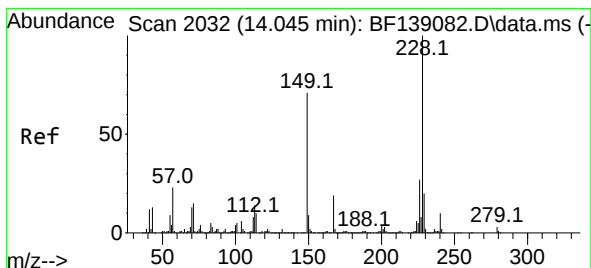
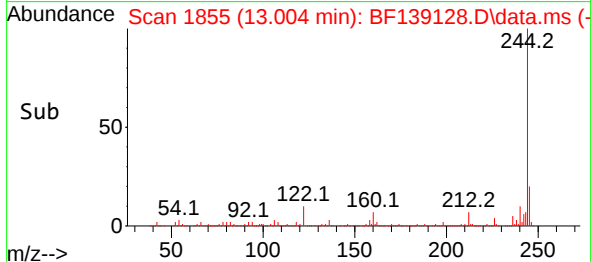
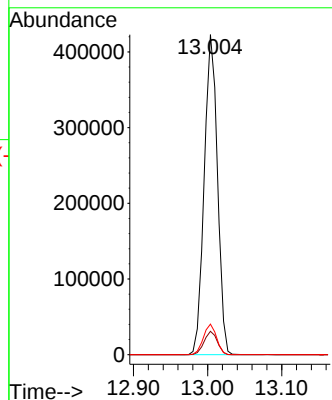
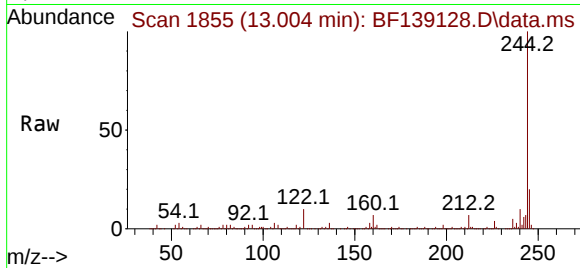




#79
 Terphenyl-d14
 Concen: 58.093 ng
 RT: 13.004 min Scan# 1855
 Delta R.T. -0.006 min
 Lab File: BF139128.D
 Acq: 22 Aug 2024 17:51

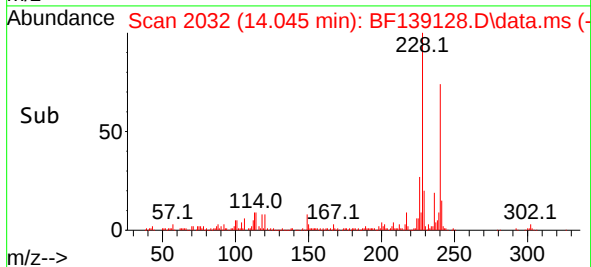
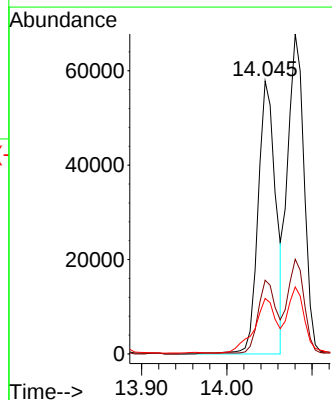
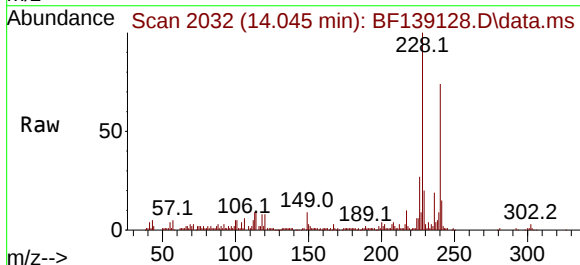
Instrument :
 BNA_F
 ClientSampleId :
 919-J-SD-0-1-081624

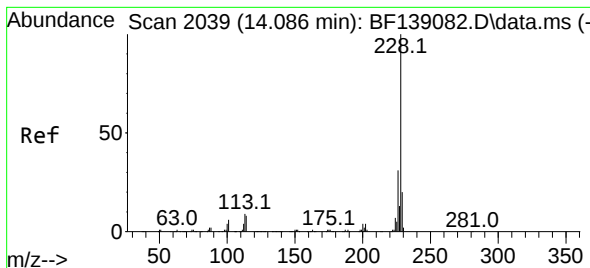
Tgt Ion:244 Resp: 524491
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 9.5 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 8.455 ng
 RT: 14.045 min Scan# 2032
 Delta R.T. -0.000 min
 Lab File: BF139128.D
 Acq: 22 Aug 2024 17:51

Tgt Ion:228 Resp: 83260
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.9 32.9
 229 20.4 16.1 24.1





#83

Chrysene

Concen: 10.083 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF139128.D

Acq: 22 Aug 2024 17:51

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-1-081624

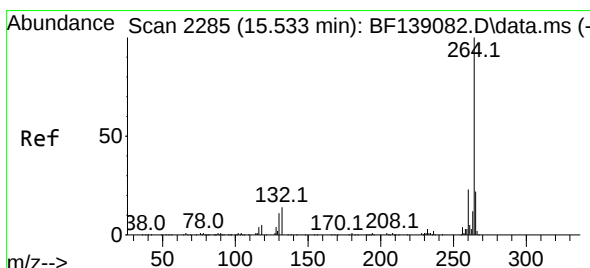
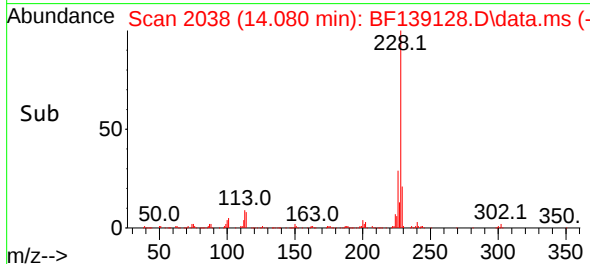
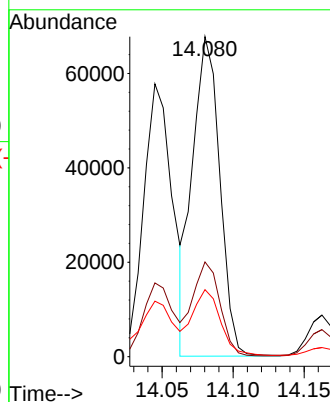
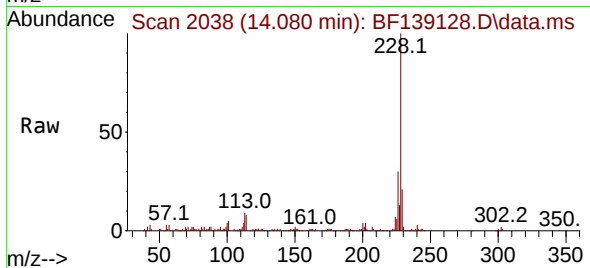
Tgt Ion:228 Resp: 90000

Ion Ratio Lower Upper

228 100

226 29.6 24.3 36.5

229 20.9 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: BF139128.D

Acq: 22 Aug 2024 17:51

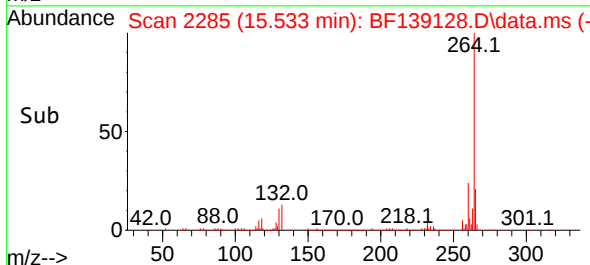
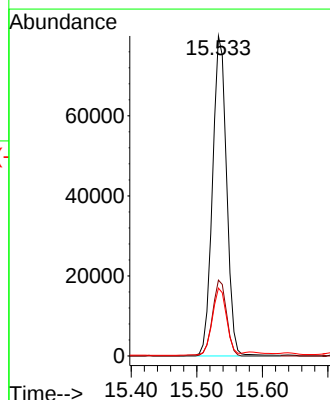
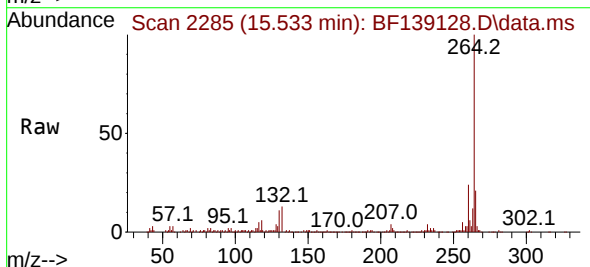
Tgt Ion:264 Resp: 119715

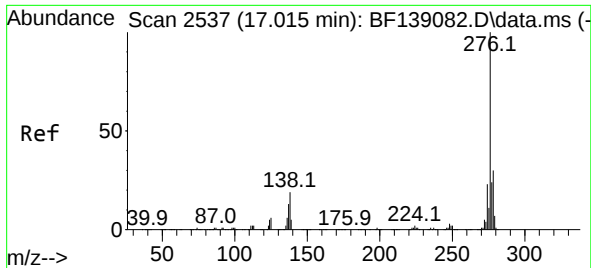
Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

265 21.2 17.4 26.2

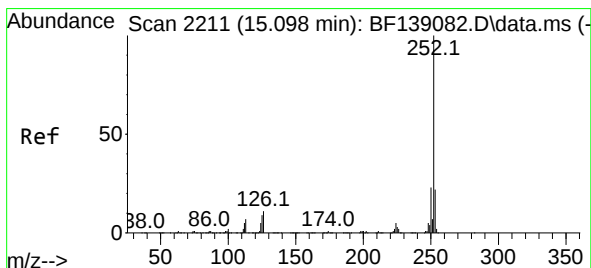
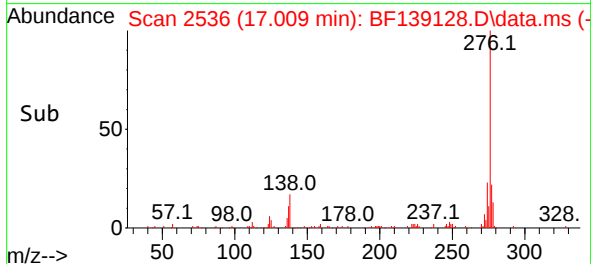
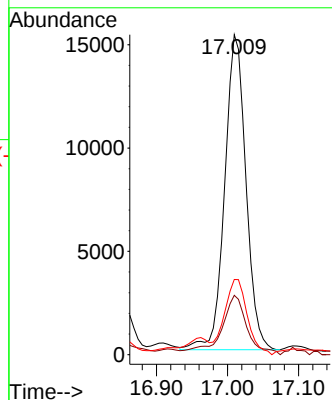
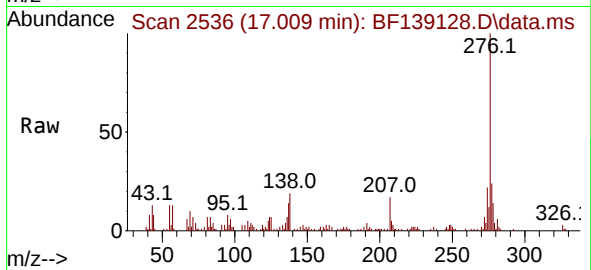




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.528 ng
RT: 17.009 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

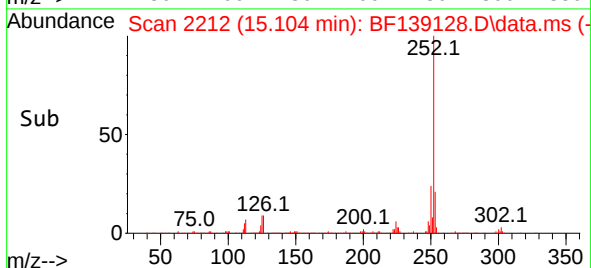
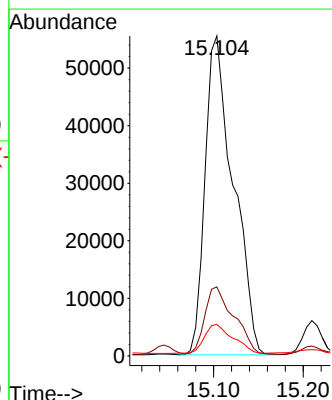
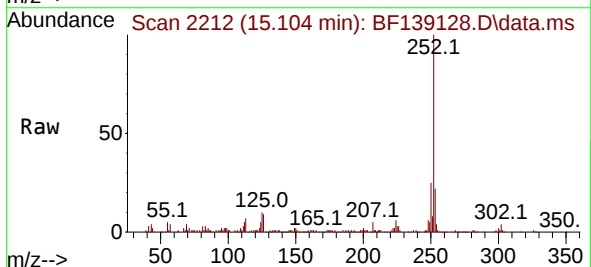
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

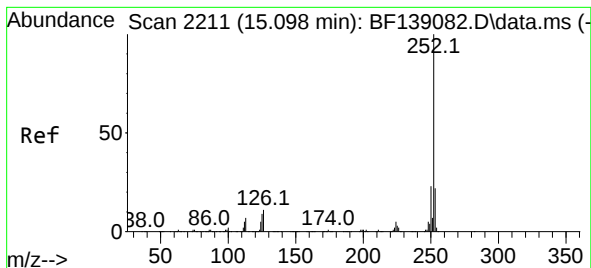
Tgt Ion:276 Resp: 31727
Ion Ratio Lower Upper
276 100
138 22.9 17.3 25.9
277 25.8 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 15.513 ng
RT: 15.104 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

Tgt Ion:252 Resp: 121070
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.2
125 9.9 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 18.625 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF139128.D

Acq: 22 Aug 2024 17:51

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-1-081624

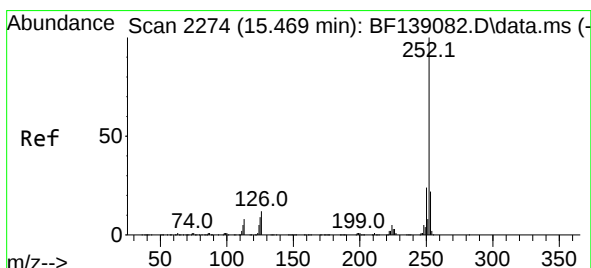
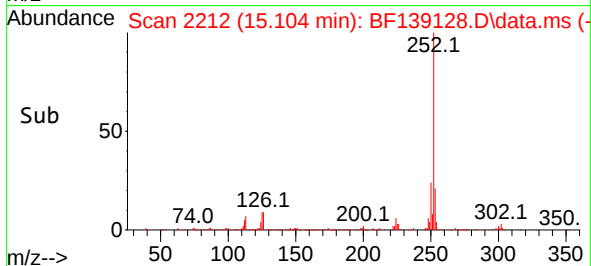
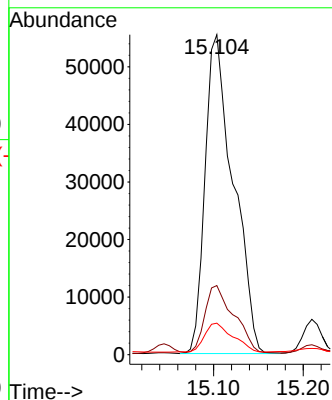
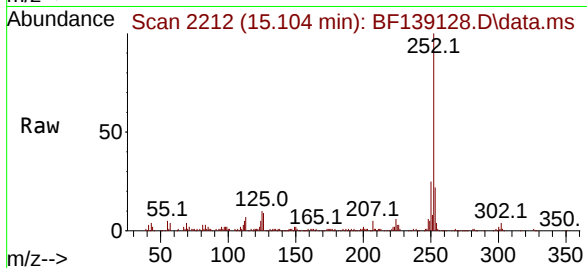
Tgt Ion:252 Resp: 121070

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

125 9.9 7.0 10.6



#90

Benzo(a)pyrene

Concen: 8.940 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF139128.D

Acq: 22 Aug 2024 17:51

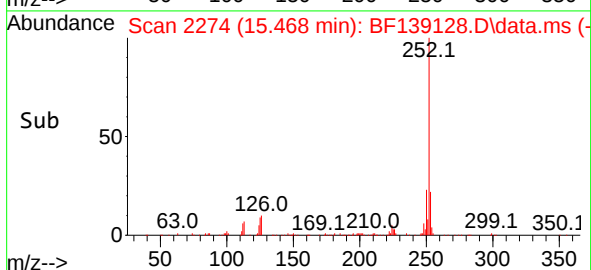
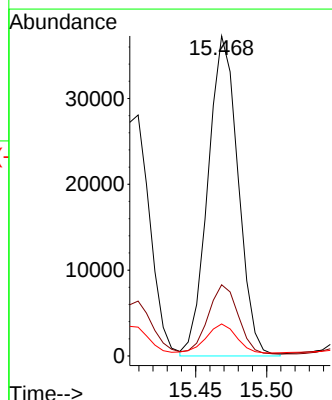
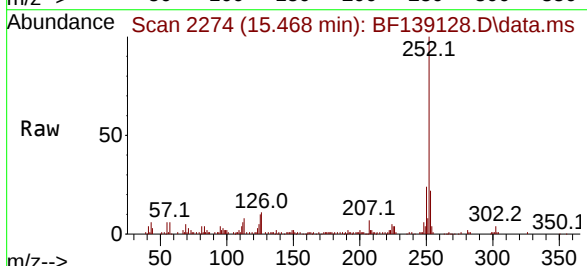
Tgt Ion:252 Resp: 55135

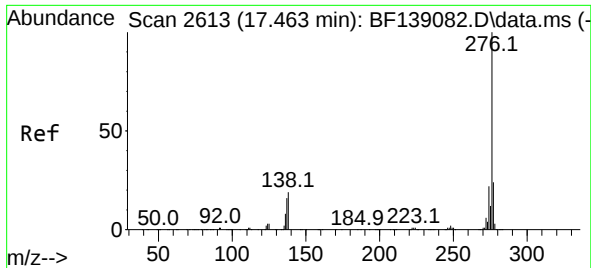
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

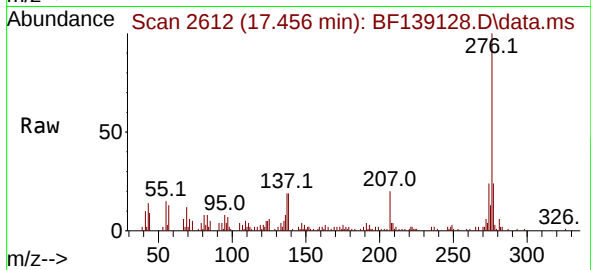
125 10.0 7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 7.230 ng
 RT: 17.456 min Scan# 20
 Delta R.T. -0.007 min
 Lab File: BF139128.D
 Acq: 22 Aug 2024 17:51

Instrument :
 BNA_F
 ClientSampleId :
 919-J-SD-0-1-081624



Tgt Ion: 276 Resp: 30948

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	18.8	15.0	22.4

