

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139127.D
 Acq On : 22 Aug 2024 17:21
 Operator : RC/JU
 Sample : P3663-11RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 919-J-SD-0-0.5-1-081624

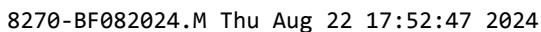
Quant Time: Aug 22 17:51:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

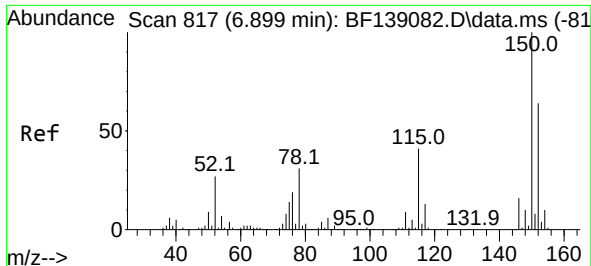
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	81256	20.000	ng	0.00
21) Naphthalene-d8	8.180	136	286743	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	137735	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	199428	20.000	ng	0.00
76) Chrysene-d12	14.057	240	145183	20.000	ng	0.00
86) Perylene-d12	15.533	264	113682	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	594976	112.654	ng	0.01
7) Phenol-d6	6.522	99	762322	111.707	ng	0.00
23) Nitrobenzene-d5	7.457	82	488567	99.283	ng	0.00
42) 2,4,6-Tribromophenol	10.721	330	137125	109.973	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	684128	78.807	ng	0.00
79) Terphenyl-d14	13.004	244	547627	62.588	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	67259	15.008	ng	# 80
25) Isophorone	7.457	82	488151	46.671	ng	# 69
48) 2-Nitroaniline	9.251	65	1460	6.243	ng	# 1
51) 2,6-Dinitrotoluene	9.933	165	18340	14.258	ng	# 17
53) 3-Nitroaniline	10.027	138	125	4.241	ng	# 1
57) 2,4-Dinitrotoluene	9.933	165	18340	13.131	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.721	198	170	6.730	ng	# 1
67) 4-Bromophenyl-phenylether	10.721	248	9538	4.514	ng	# 1
71) Phenanthrene	11.445	178	348849	34.415	ng	100
72) Anthracene	11.492	178	54348	5.482	ng	99
73) Carbazole	11.645	167	25801	2.787	ng	98
75) Fluoranthene	12.633	202	693934	64.140	ng	99
77) Benzidine	13.004	184	8151	2.718	ng	# 95
78) Pyrene	12.863	202	555291	45.832	ng	99
81) Benzo(a)anthracene	14.051	228	256376	26.863	ng	100
83) Chrysene	14.086	228	205064	23.705	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	22112	3.979	ng	97
87) Indeno(1,2,3-cd)pyrene	16.851	276	13608	2.045	ng	97
88) Benzo(b)fluoranthene	15.104	252	289525	39.065	ng	99
89) Benzo(k)fluoranthene	15.104	252	289525	46.904	ng	99
90) Benzo(a)pyrene	15.474	252	144744	24.716	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	12635	2.313	ng	92
92) Benzo(g,h,i)perylene	17.462	276	72838	13.788	ng	98

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

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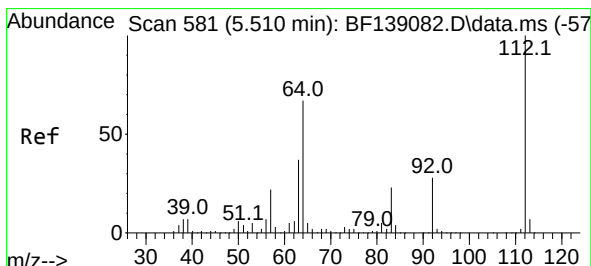
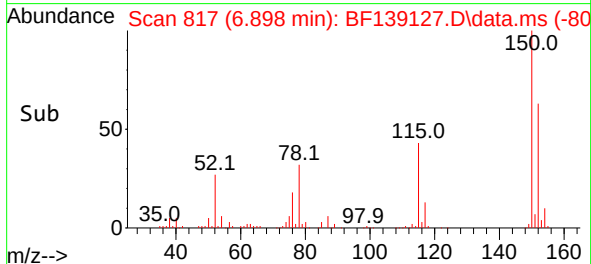
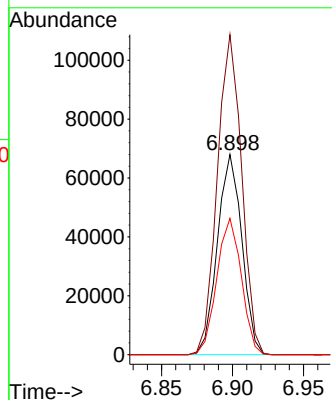
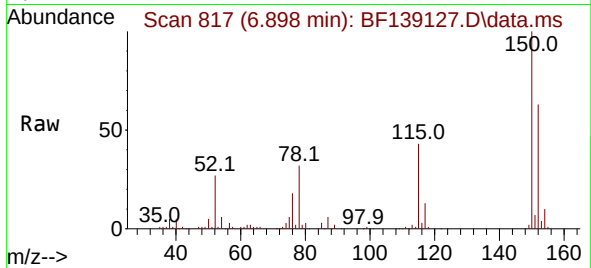




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

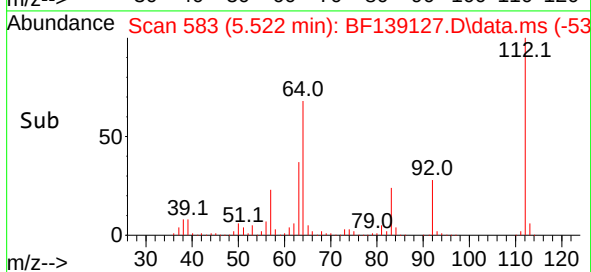
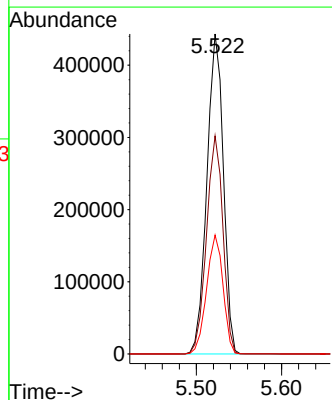
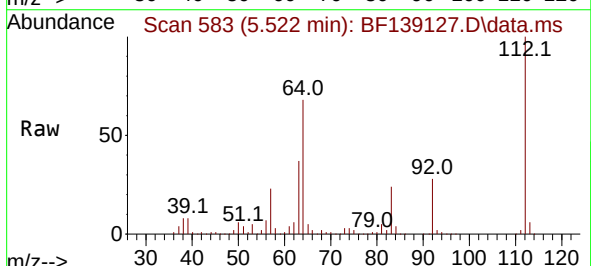
Instrument :
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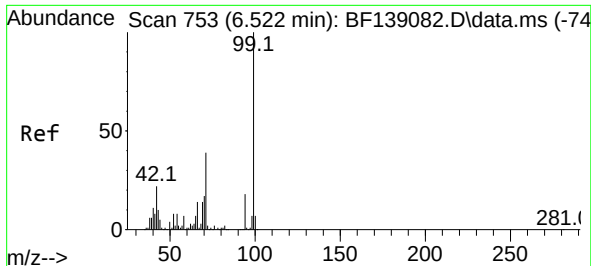
Tgt Ion:152 Resp: 81256
Ion Ratio Lower Upper
152 100
150 159.9 125.1 187.7
115 68.1 51.8 77.6



#5
2-Fluorophenol
Concen: 112.654 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.011 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

Tgt Ion:112 Resp: 594976
Ion Ratio Lower Upper
112 100
64 68.2 53.8 80.6
63 37.2 29.4 44.2

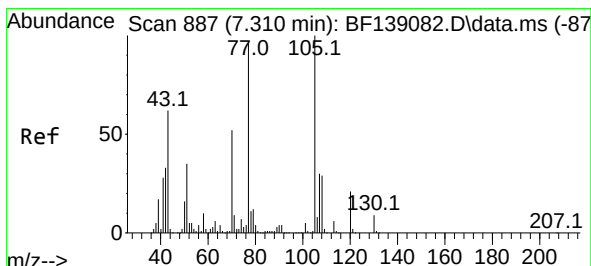
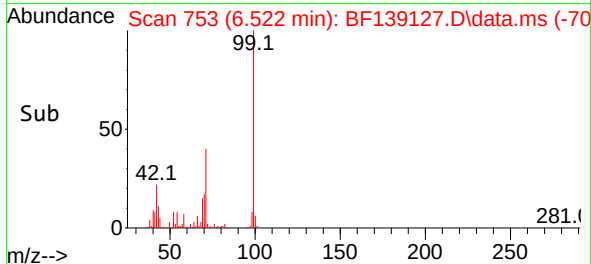
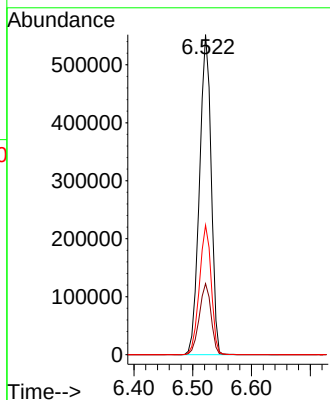
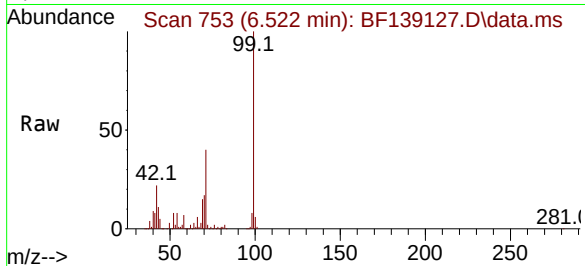




#7
Phenol-d6
Concen: 111.707 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

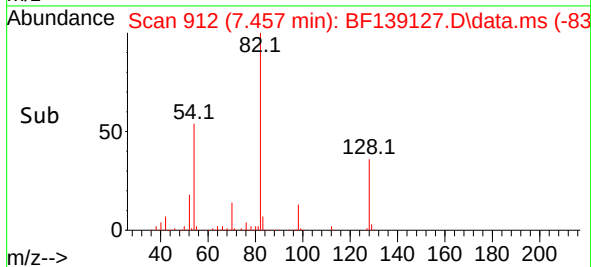
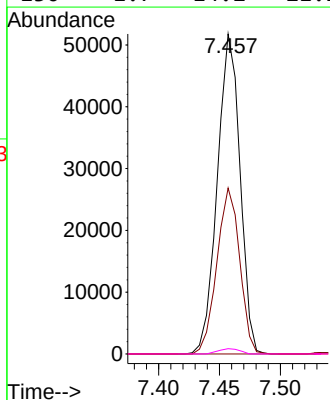
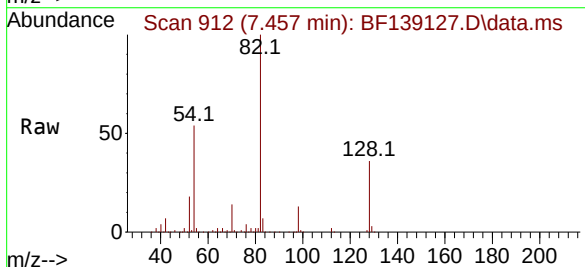
Instrument :
BNA_F
ClientSampleId :
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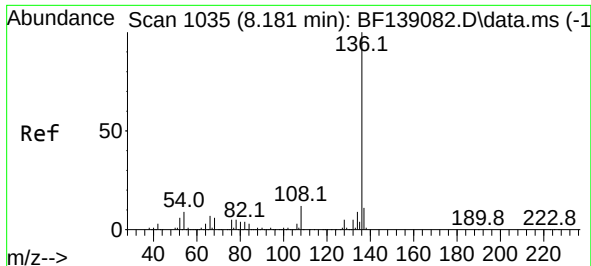
Tgt Ion: 99 Resp: 762322
Ion Ratio Lower Upper
99 100
42 22.2 17.4 26.2
71 40.5 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.008 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

Tgt Ion: 70 Resp: 67259
Ion Ratio Lower Upper
70 100
42 51.8 50.5 75.7
101 0.0 7.2 10.8#
130 1.7 14.2 21.2#

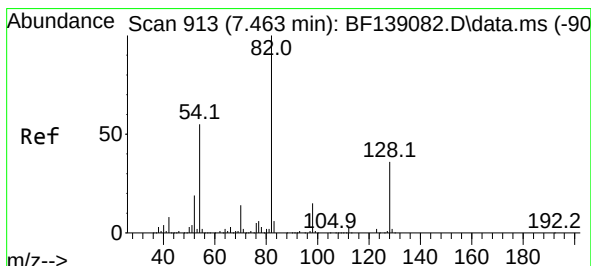
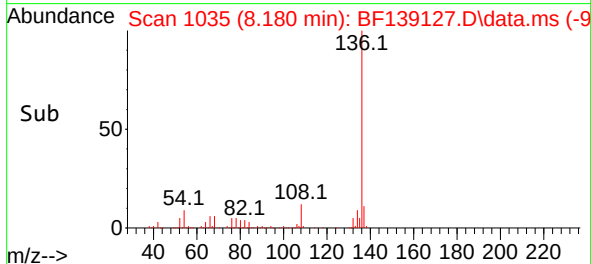
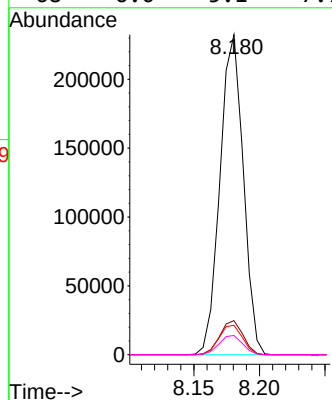
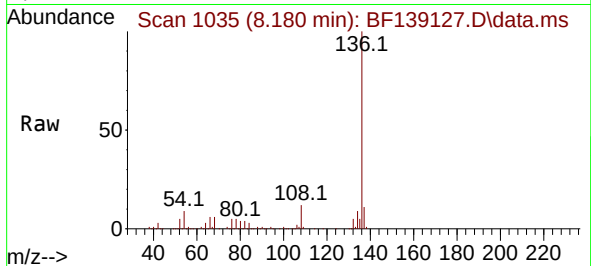




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.180 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

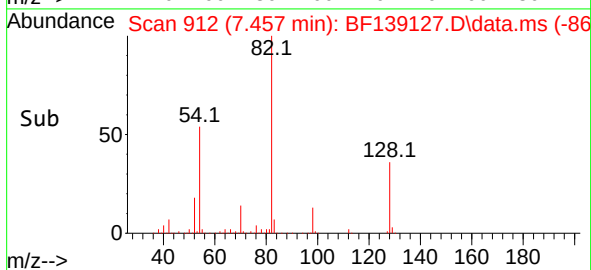
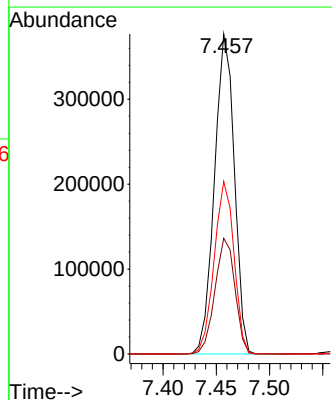
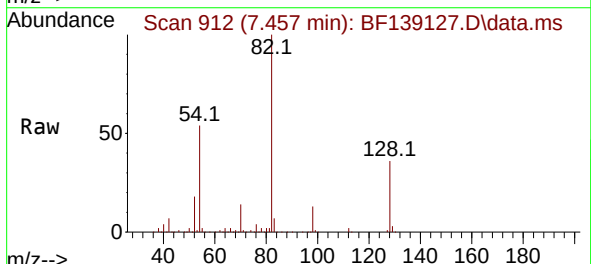
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624

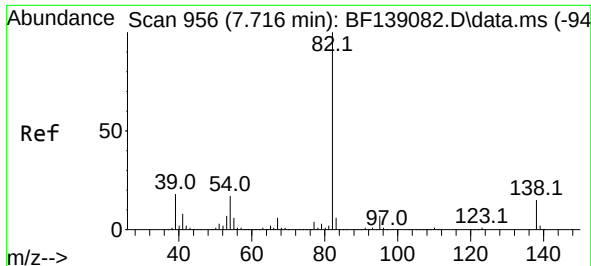
Tgt Ion:	136	Resp:	286743
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.2	7.6	11.4
68	6.0	5.1	7.7



#23
Nitrobenzene-d5
Concen: 99.283 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

Tgt Ion:	82	Resp:	488567
Ion	Ratio	Lower	Upper
82	100		
128	36.2	29.0	43.4
54	53.9	43.4	65.2

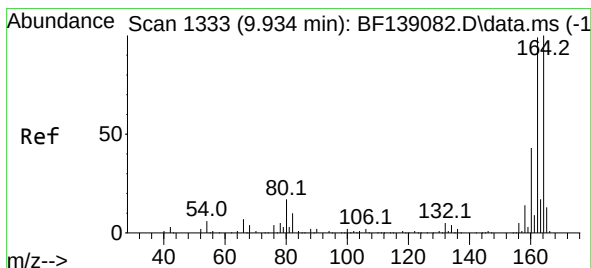
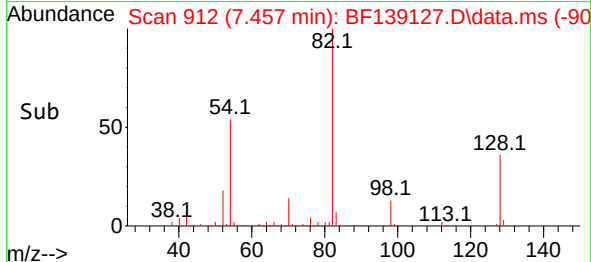
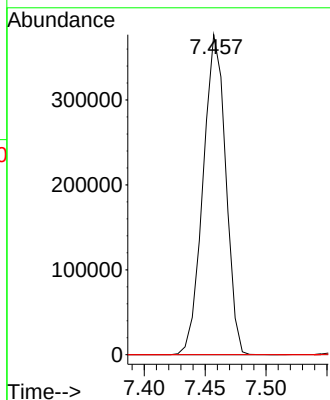
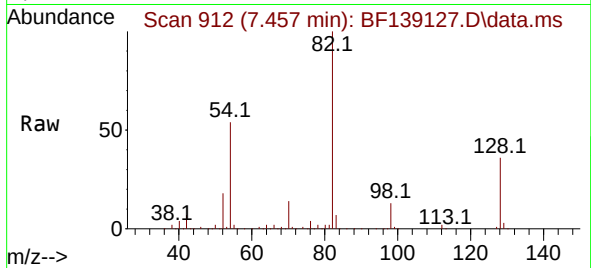




#25
Isophorone
Concen: 46.671 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.259 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

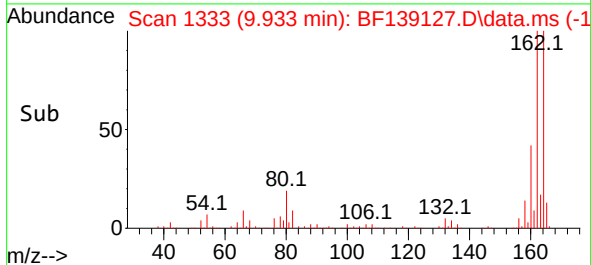
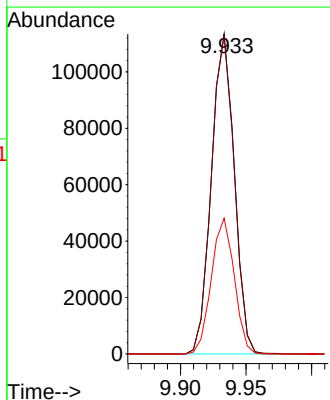
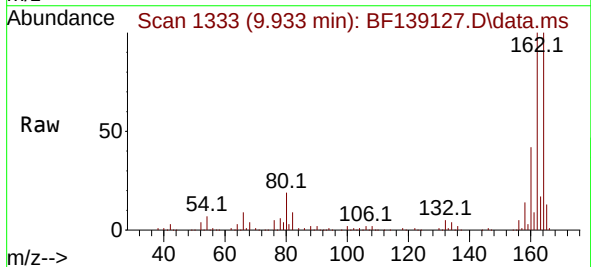
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624

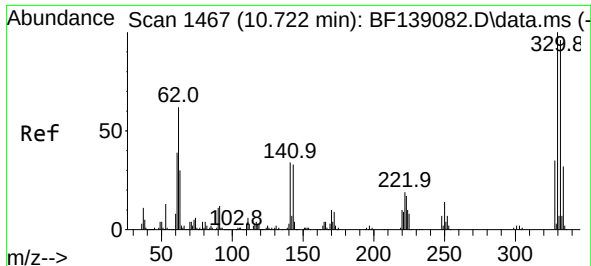
Tgt Ion: 82 Resp: 488151
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.001 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

Tgt Ion:164 Resp: 137735
Ion Ratio Lower Upper
164 100
162 99.5 79.5 119.3
160 42.4 34.5 51.7

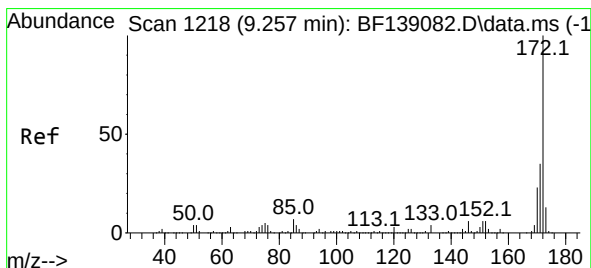
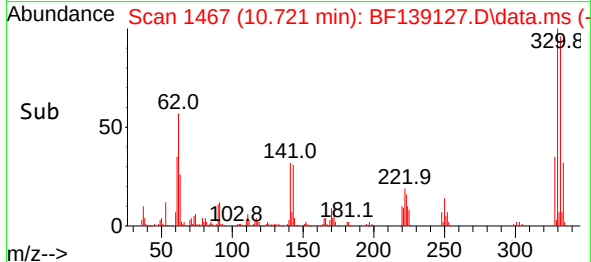
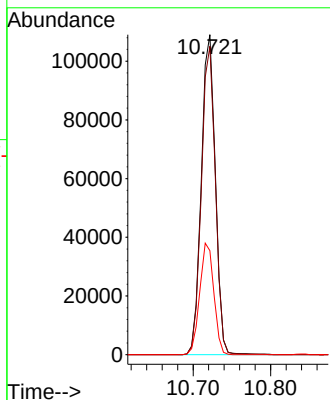
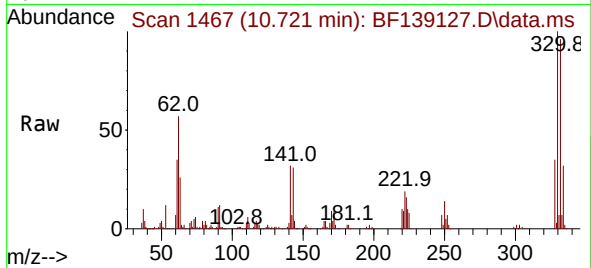




#42
2,4,6-Tribromophenol
Concen: 109.973 ng
RT: 10.721 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

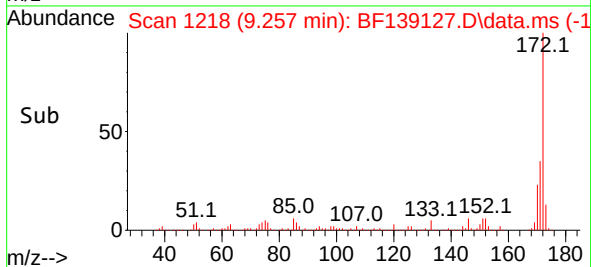
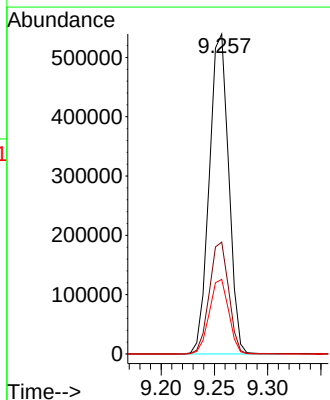
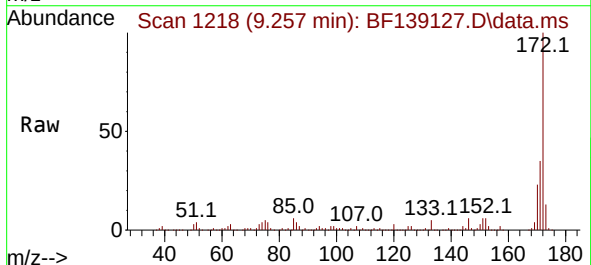
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BNA_F
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919-J-SD-0-0.5-1-081624

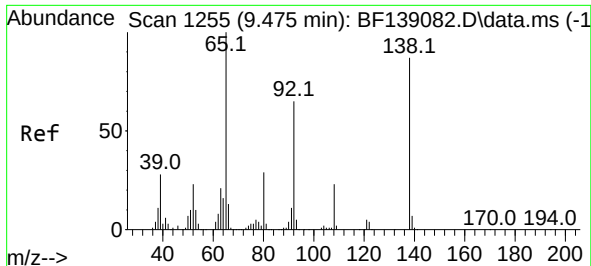
Tgt Ion:330 Resp: 137125
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.6
141 35.0 27.5 41.3



#45
2-Fluorobiphenyl
Concen: 78.807 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.000 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

Tgt Ion:172 Resp: 684128
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.3 18.8 28.2

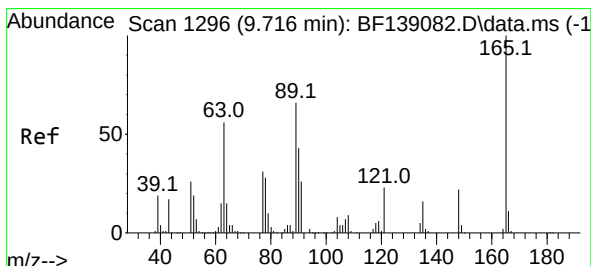
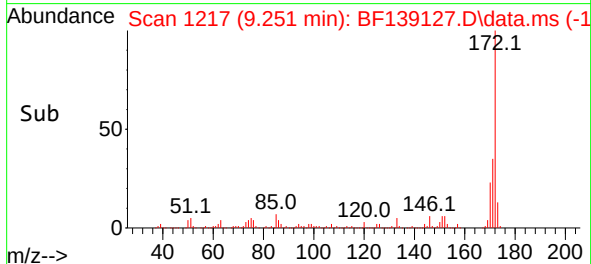
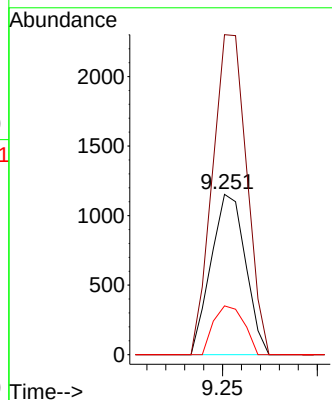
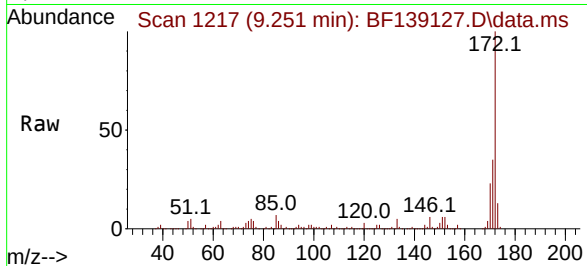




#48
2-Nitroaniline
Concen: 6.243 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.224 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

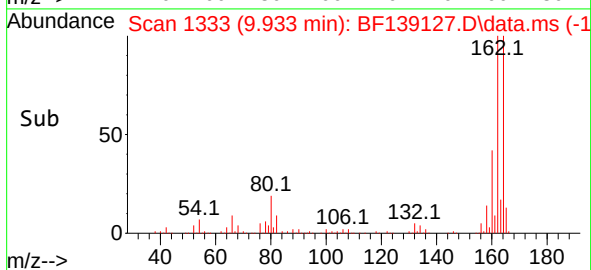
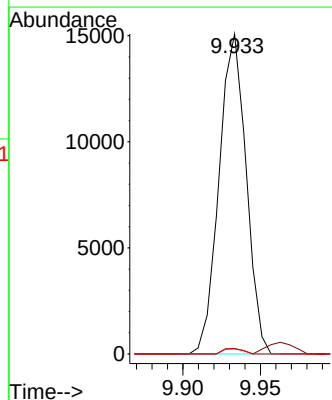
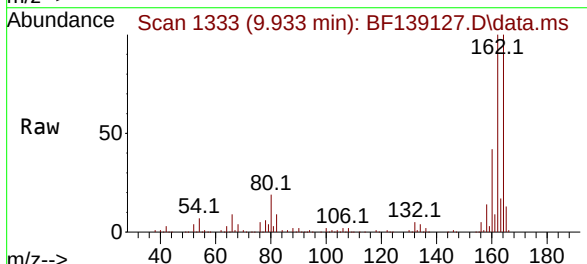
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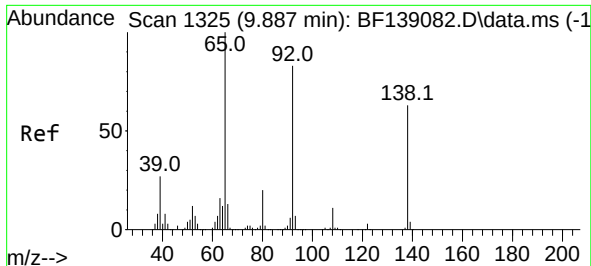
Tgt Ion: 65 Resp: 1460
Ion Ratio Lower Upper
65 100
92 199.6 52.4 78.6#
138 30.4 69.4 104.0#



#51
2,6-Dinitrotoluene
Concen: 14.258 ng
RT: 9.933 min Scan# 1333
Delta R.T. 0.217 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

Tgt Ion:165 Resp: 18340
Ion Ratio Lower Upper
165 100
63 1.7 58.0 87.0#
89 1.6 53.3 79.9#

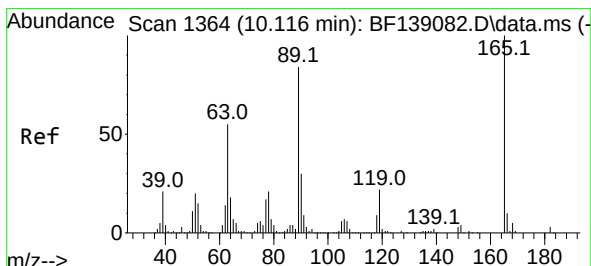
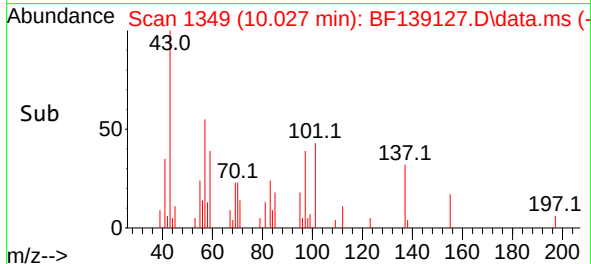
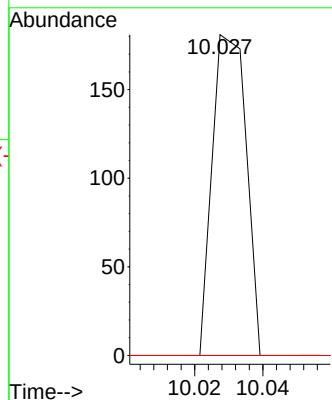
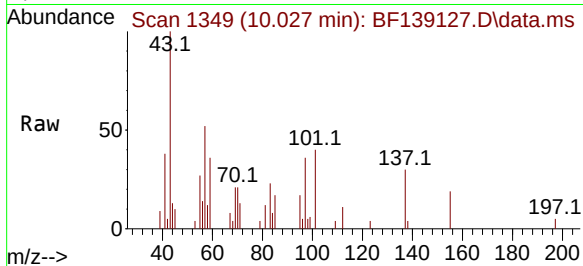




#53
3-Nitroaniline
Concen: 4.241 ng
RT: 10.027 min Scan# 11
Delta R.T. 0.140 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

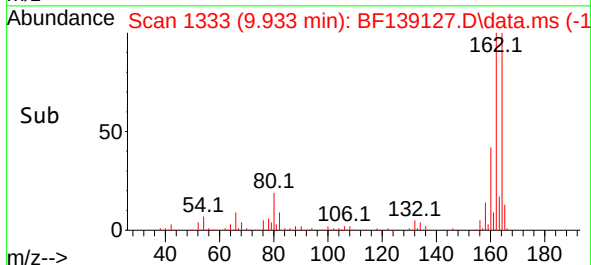
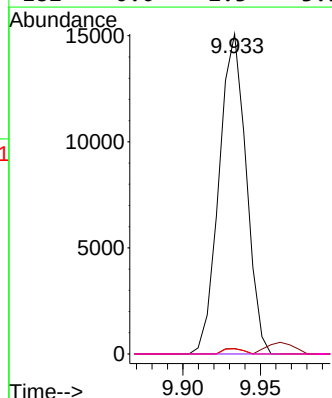
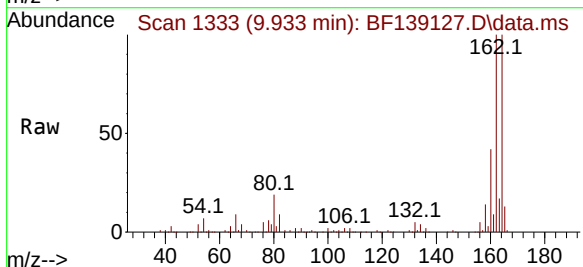
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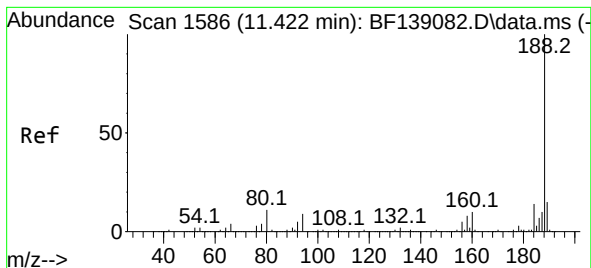
Tgt Ion:138 Resp: 125
Ion Ratio Lower Upper
138 100
108 0.0 14.6 21.8#
92 0.0 105.9 158.9#



#57
2,4-Dinitrotoluene
Concen: 13.131 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.183 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

Tgt Ion:165 Resp: 18340
Ion Ratio Lower Upper
165 100
63 1.7 44.2 66.4#
89 1.6 67.4 101.2#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.421 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

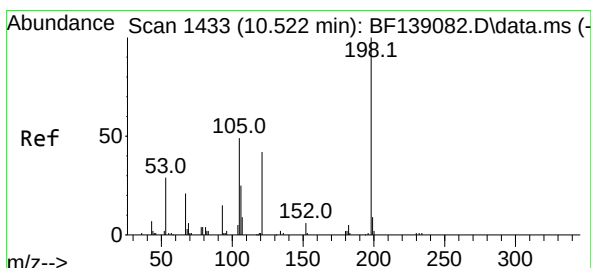
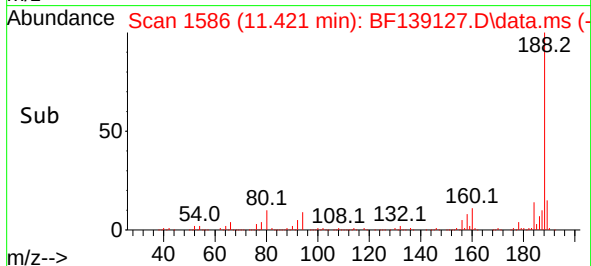
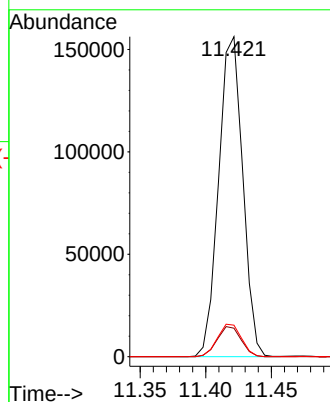
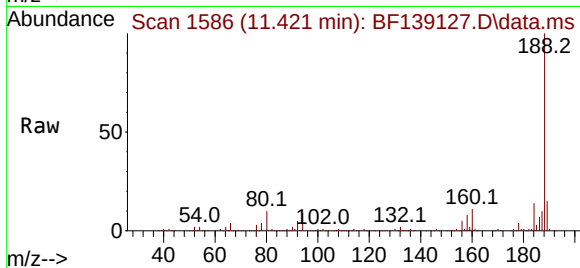
Tgt Ion:188 Resp: 199428

Ion Ratio Lower Upper

188 100

94 8.9 7.2 10.8

80 9.9 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 6.730 ng

RT: 10.721 min Scan# 1467

Delta R.T. 0.199 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

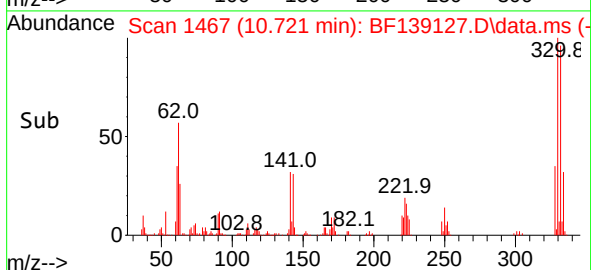
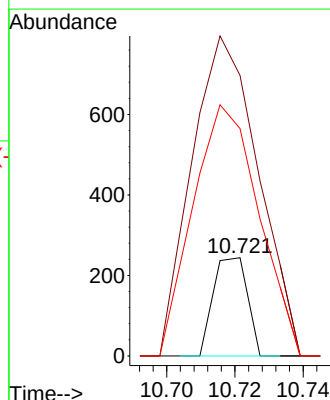
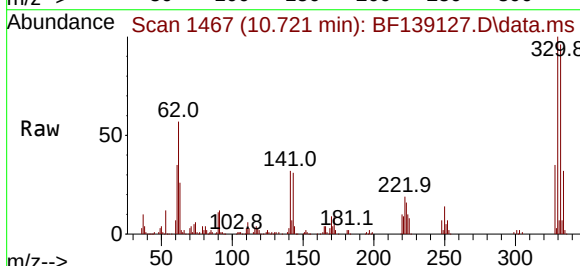
Tgt Ion:198 Resp: 170

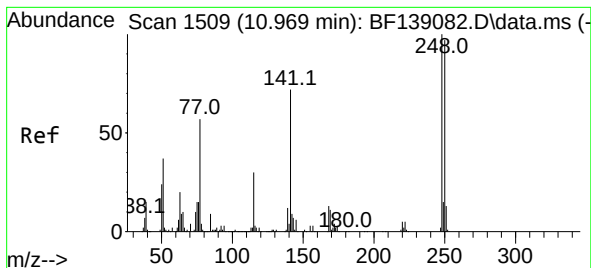
Ion Ratio Lower Upper

198 100

51 285.7 40.8 80.8#

105 231.6 30.9 70.9#

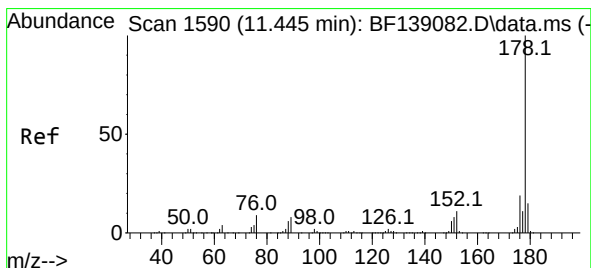
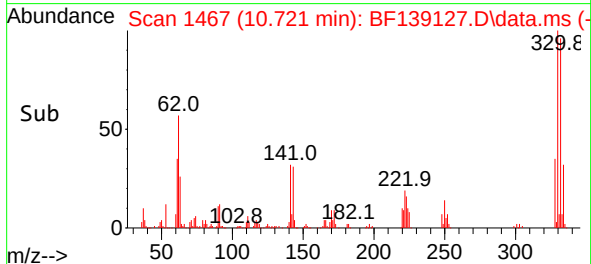
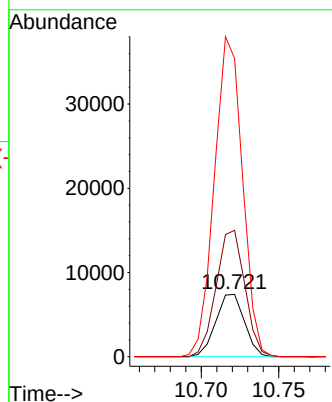
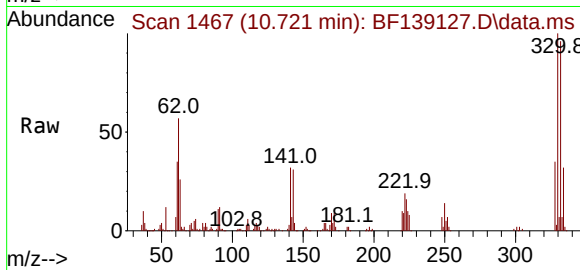




#67
4-Bromophenyl-phenylether
Concen: 4.514 ng
RT: 10.721 min Scan# 1467
Delta R.T. -0.248 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

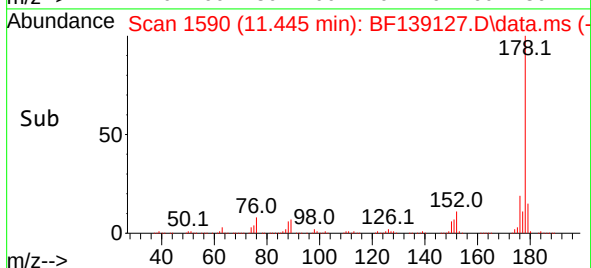
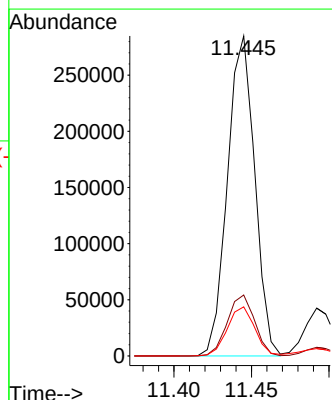
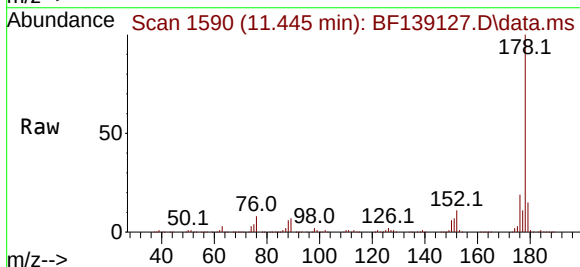
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624

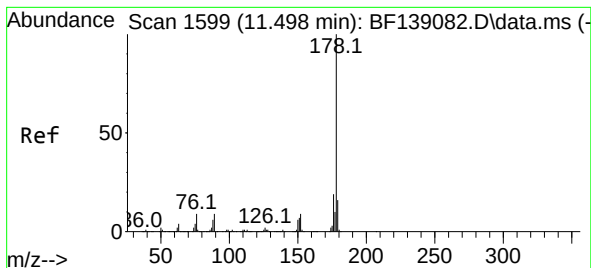
Tgt Ion:248 Resp: 9538
Ion Ratio Lower Upper
248 100
250 203.0 77.8 116.8#
141 478.9 57.9 86.9#



#71
Phenanthrene
Concen: 34.415 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

Tgt Ion:178 Resp: 348849
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.4 12.3 18.5





#72

Anthracene

Concen: 5.482 ng

RT: 11.492 min Scan# 1599

Delta R.T. -0.006 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

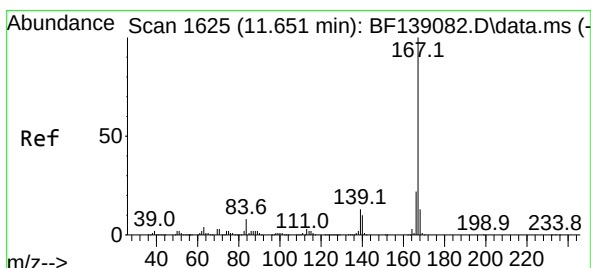
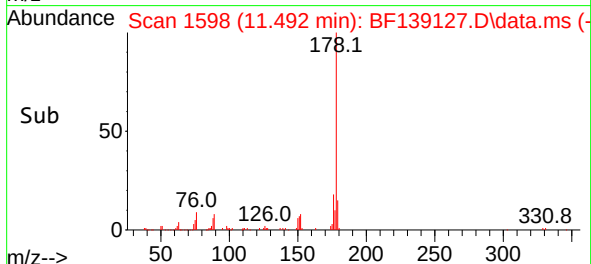
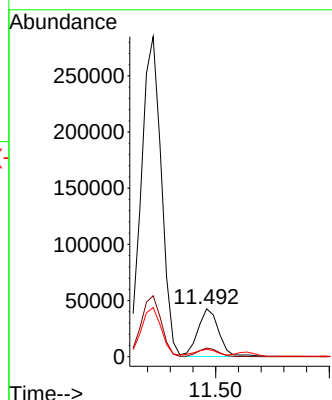
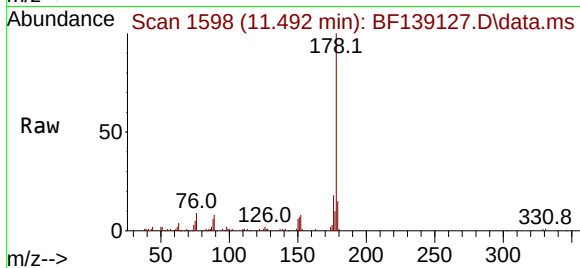
Tgt Ion:178 Resp: 54348

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

179 15.4 12.4 18.6



#73

Carbazole

Concen: 2.787 ng

RT: 11.645 min Scan# 1624

Delta R.T. -0.006 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

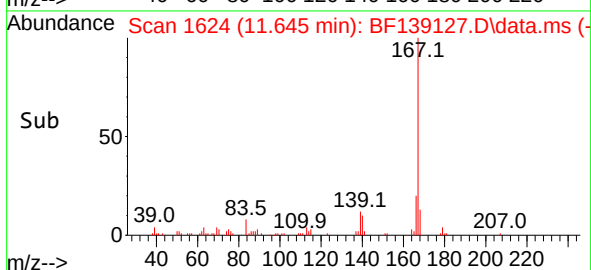
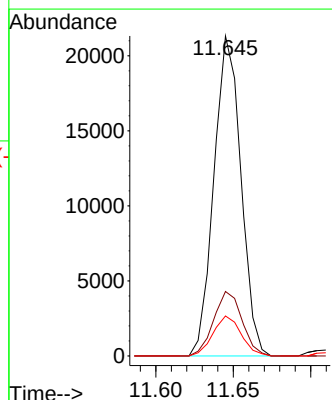
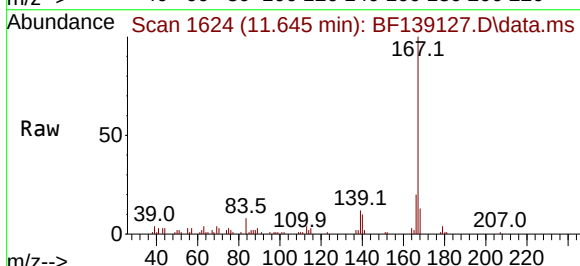
Tgt Ion:167 Resp: 25801

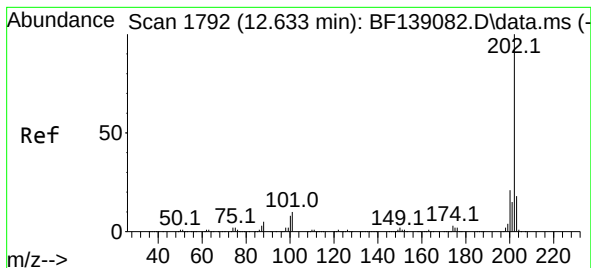
Ion Ratio Lower Upper

167 100

166 20.2 17.3 25.9

139 12.5 10.5 15.7





#75

Fluoranthene

Concen: 64.140 ng

RT: 12.633 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

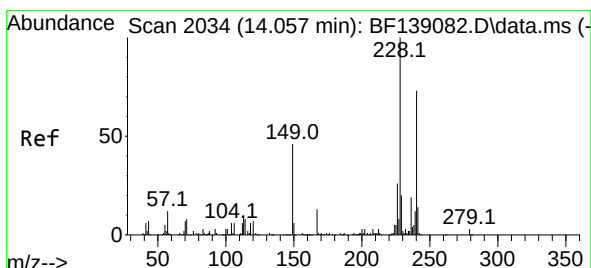
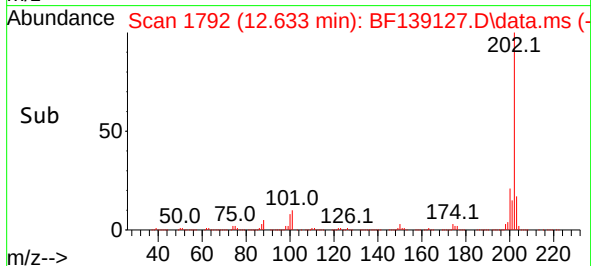
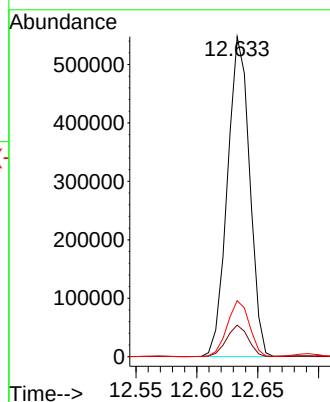
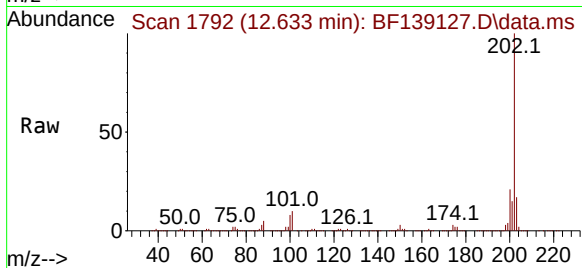
Tgt Ion:202 Resp: 693934

Ion Ratio Lower Upper

202 100

101 9.8 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: BF139127.D

Acq: 22 Aug 2024 17:21

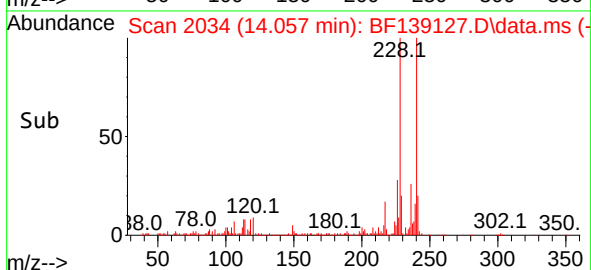
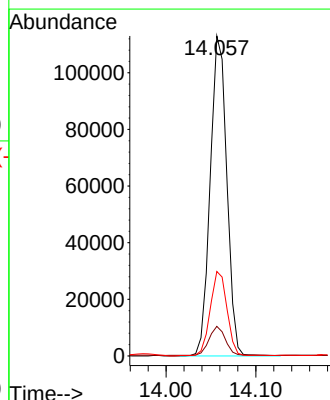
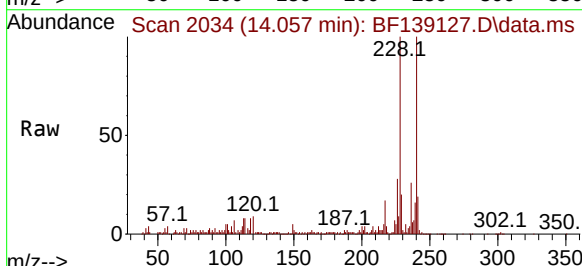
Tgt Ion:240 Resp: 145183

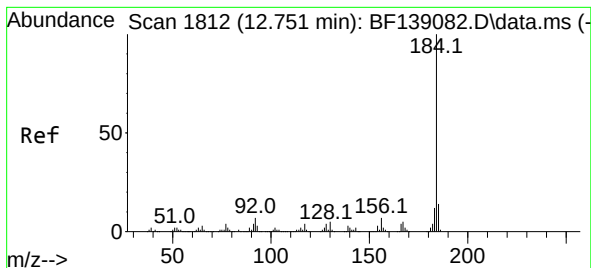
Ion Ratio Lower Upper

240 100

120 9.3 7.8 11.6

236 26.4 20.9 31.3





#77

Benzidine

Concen: 2.718 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.253 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

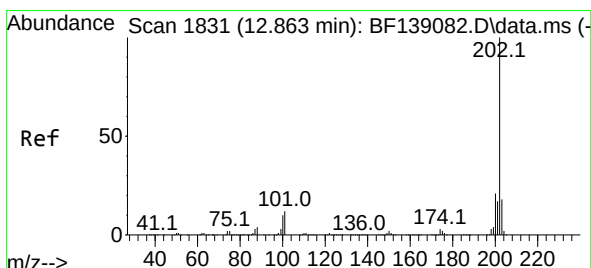
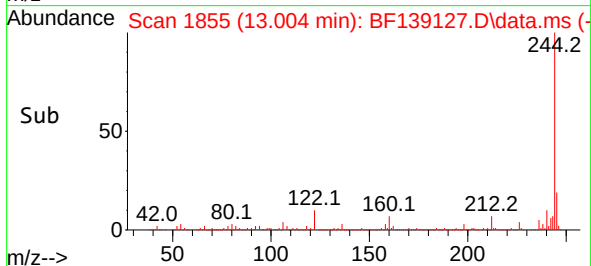
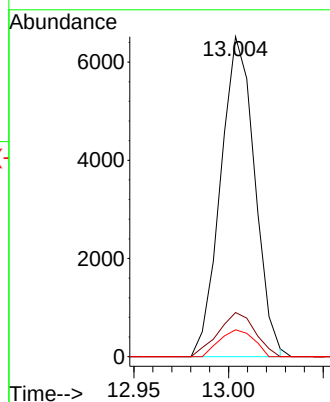
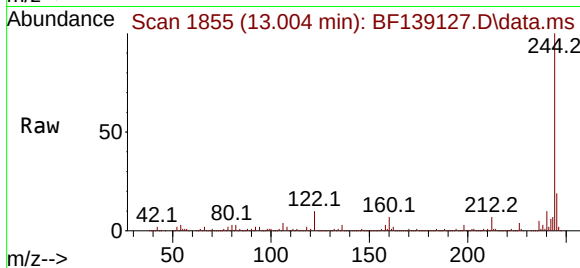
Tgt Ion:184 Resp: 8151

Ion Ratio Lower Upper

184 100

185 13.8 11.5 17.3

183 8.4 9.8 14.6#



#78

Pyrene

Concen: 45.832 ng

RT: 12.863 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

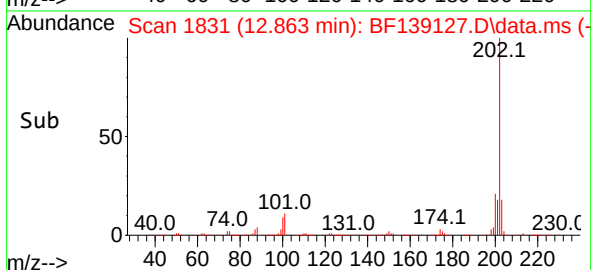
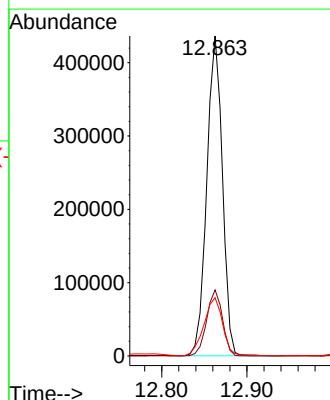
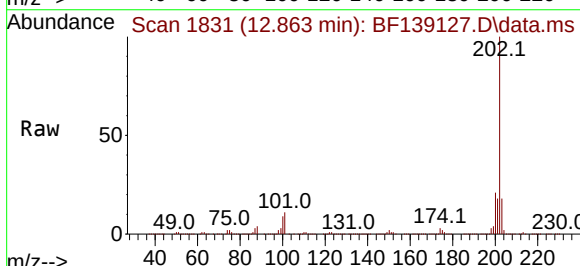
Tgt Ion:202 Resp: 555291

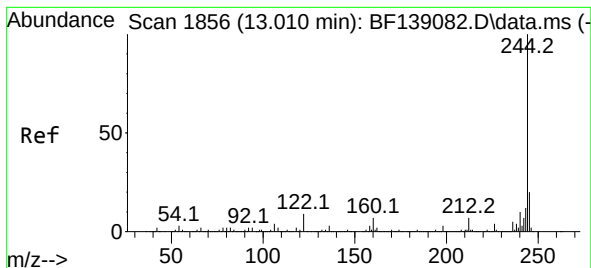
Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.6

203 18.2 14.1 21.1





#79

Terphenyl-d14

Concen: 62.588 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

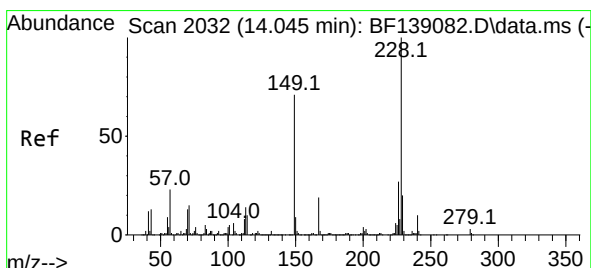
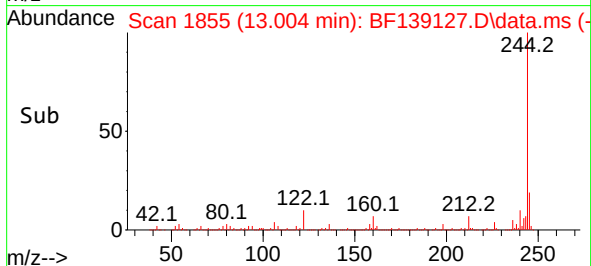
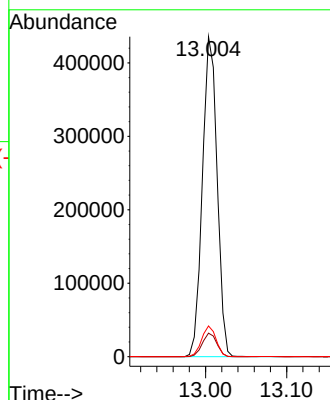
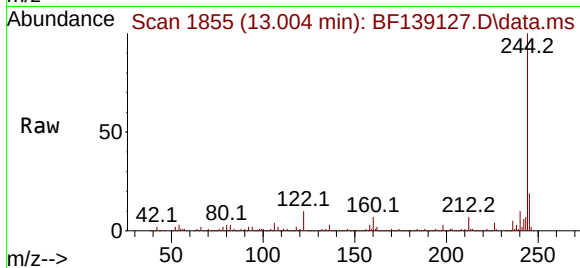
Tgt Ion:244 Resp: 547627

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 9.6 7.6 11.4



#81

Benzo(a)anthracene

Concen: 26.863 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

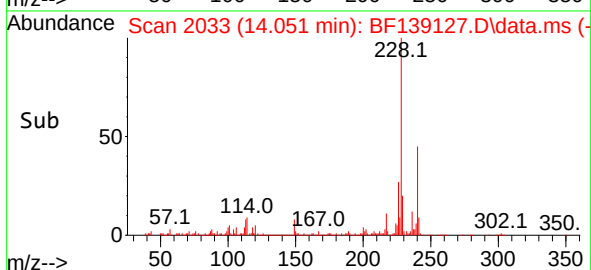
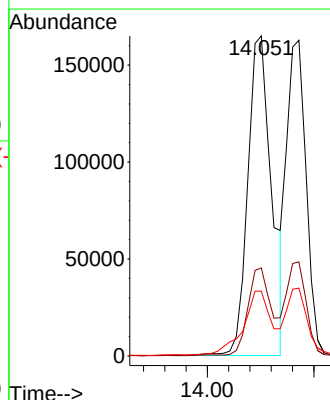
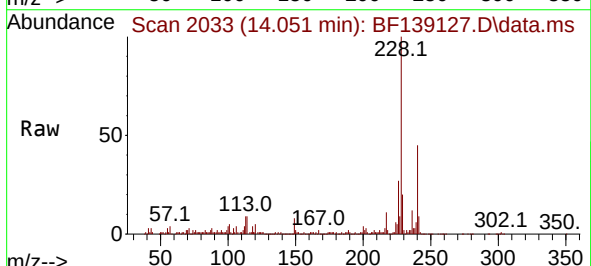
Tgt Ion:228 Resp: 256376

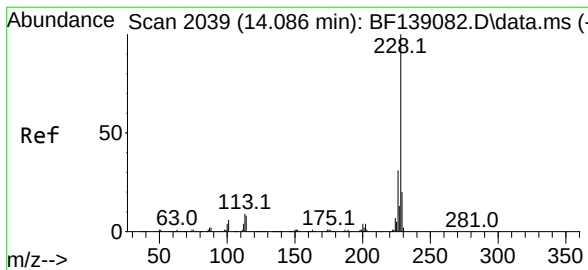
Ion Ratio Lower Upper

228 100

226 27.5 21.9 32.9

229 20.2 16.1 24.1





#83

Chrysene

Concen: 23.705 ng

RT: 14.086 min Scan# 2039

Delta R.T. -0.000 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

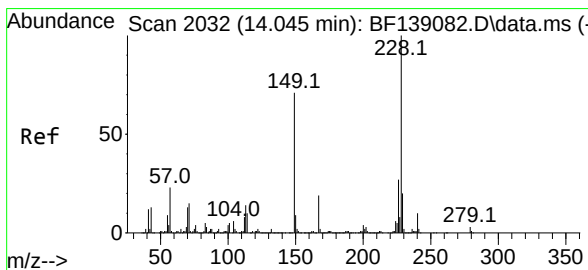
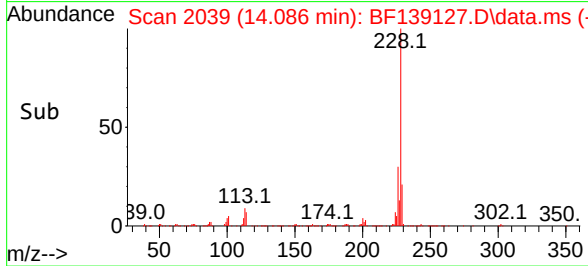
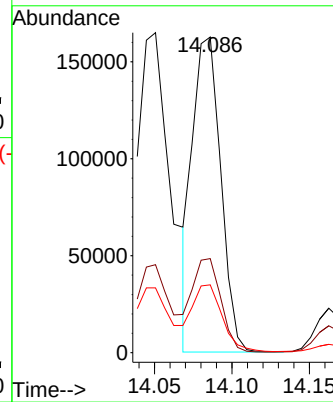
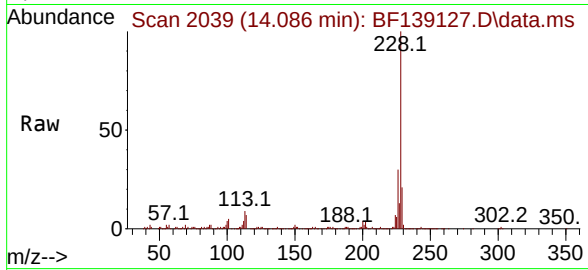
Tgt Ion:228 Resp: 205064

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 21.5 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.979 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

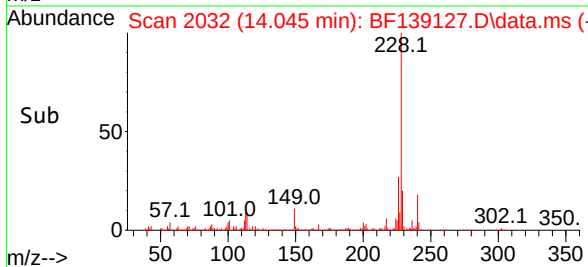
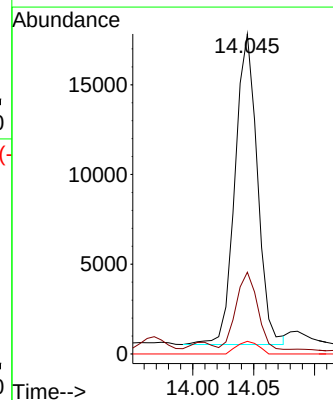
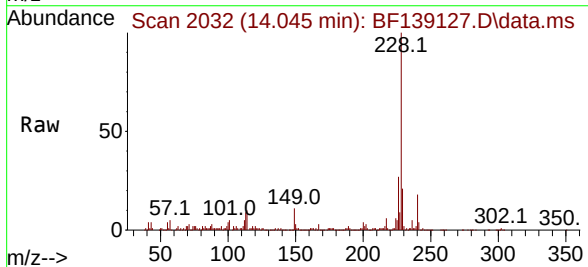
Tgt Ion:149 Resp: 22112

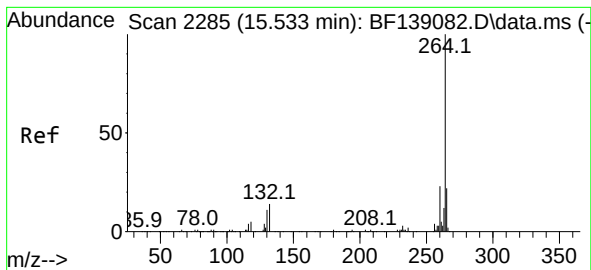
Ion Ratio Lower Upper

149 100

167 25.5 21.8 32.6

279 4.0 3.5 5.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

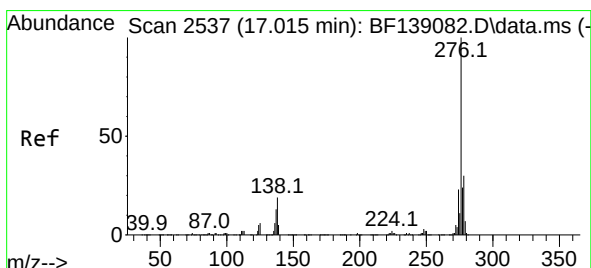
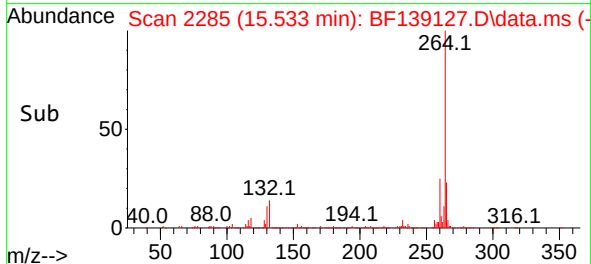
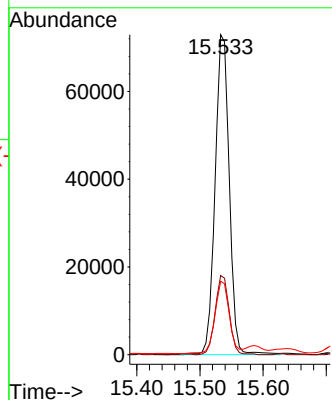
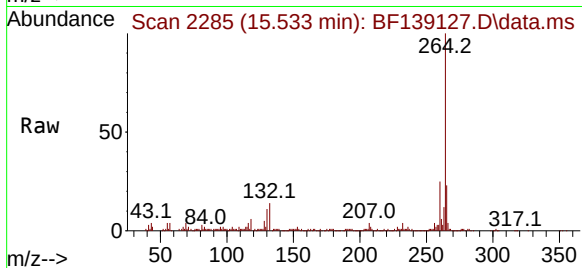
Tgt Ion:264 Resp: 113682

Ion Ratio Lower Upper

264 100

260 24.7 18.6 27.8

265 23.0 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.045 ng

RT: 16.851 min Scan# 2509

Delta R.T. -0.165 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

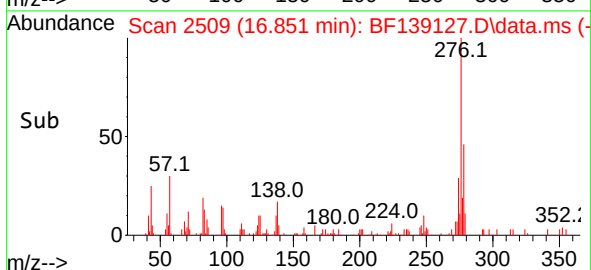
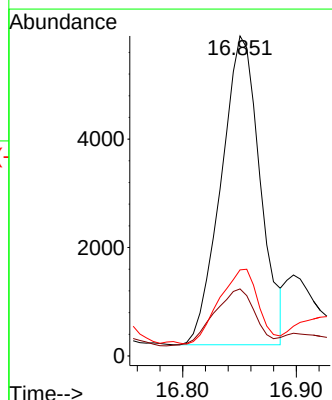
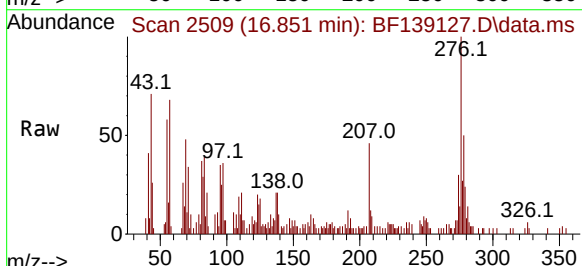
Tgt Ion:276 Resp: 13608

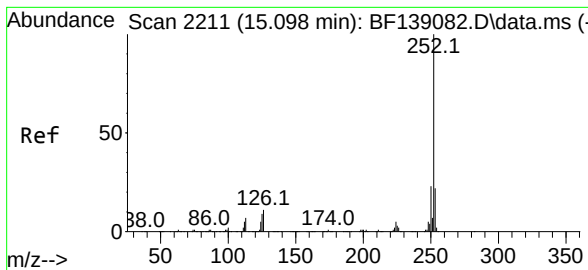
Ion Ratio Lower Upper

276 100

138 19.3 17.3 25.9

277 24.5 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 39.065 ng

RT: 15.104 min Scan# 2112

Delta R.T. 0.006 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

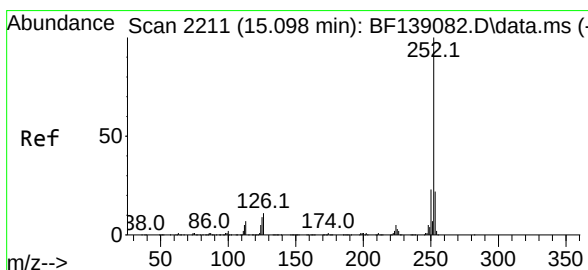
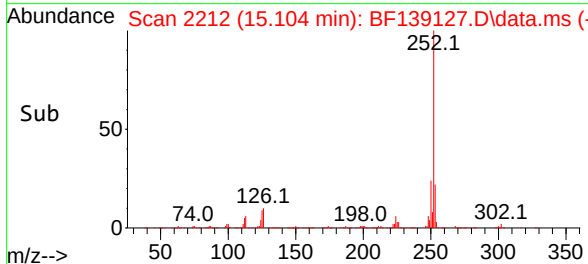
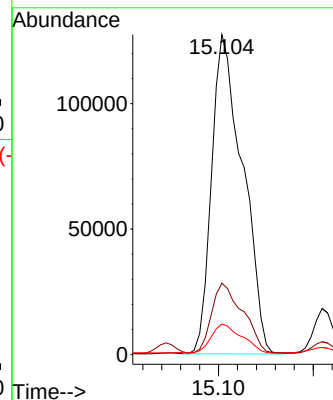
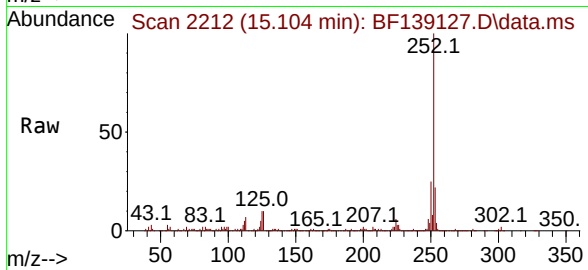
Tgt Ion:252 Resp: 289525

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 9.5 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 46.904 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.030 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

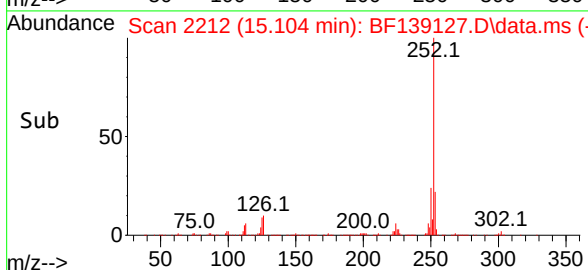
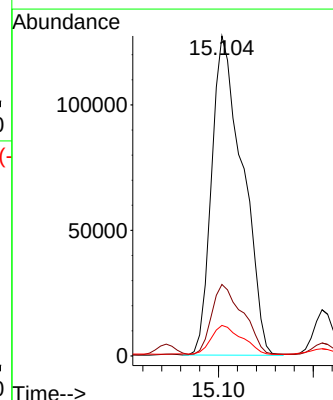
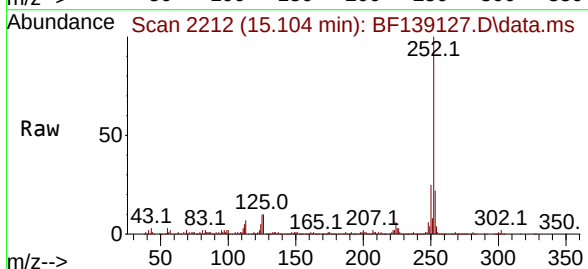
Tgt Ion:252 Resp: 289525

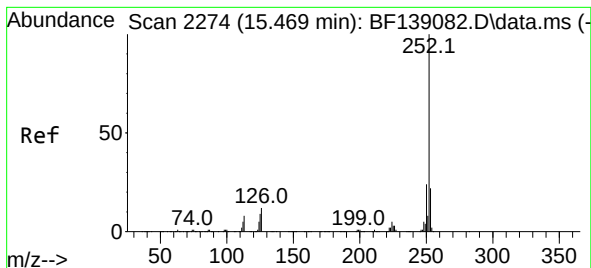
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 9.5 7.0 10.6





#90

Benzo(a)pyrene

Concen: 24.716 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

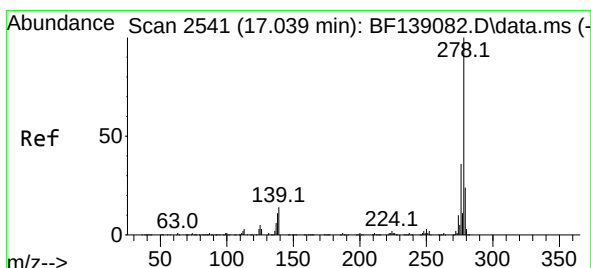
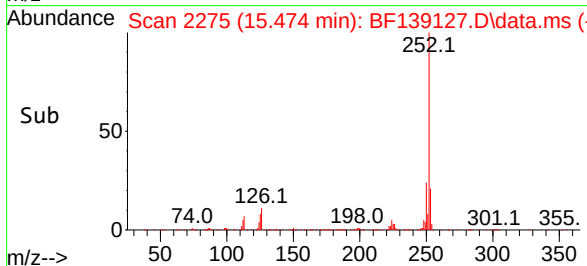
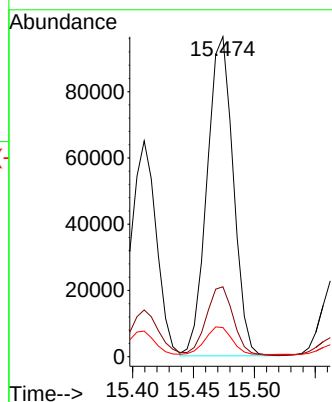
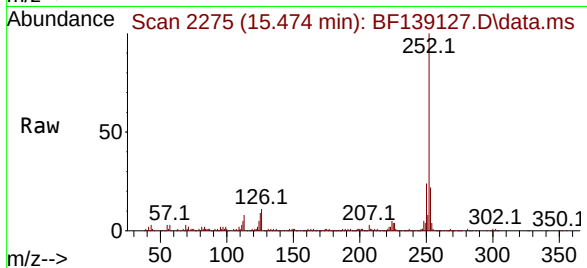
Tgt Ion:252 Resp: 144744

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 9.1 7.4 11.2



#91

Dibenzo(a,h)anthracene

Concen: 2.313 ng

RT: 17.198 min Scan# 2568

Delta R.T. 0.159 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

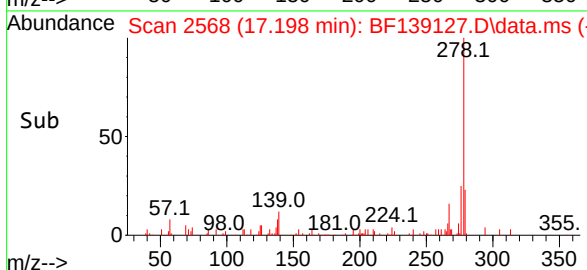
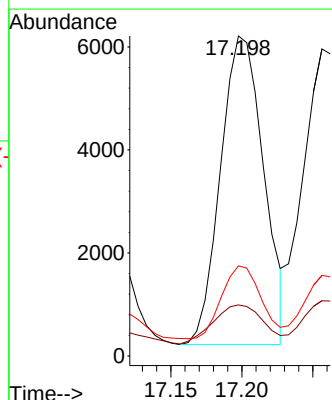
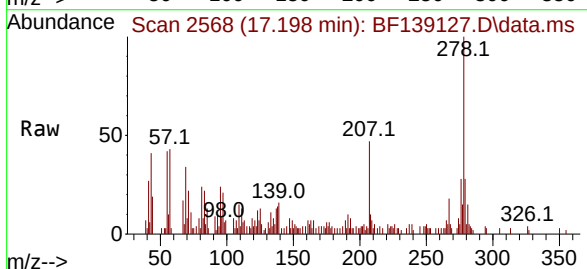
Tgt Ion:278 Resp: 12635

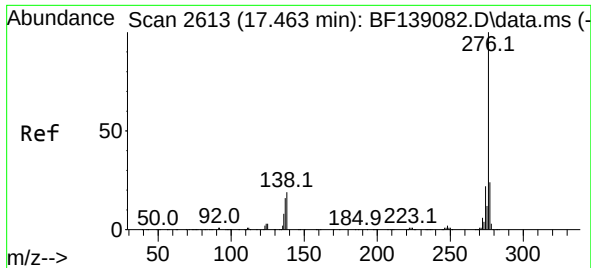
Ion Ratio Lower Upper

278 100

139 16.0 10.8 16.2

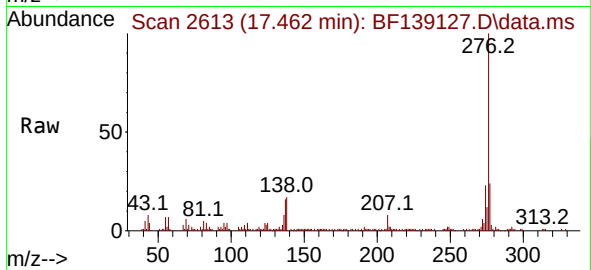
279 28.2 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 13.788 ng
 RT: 17.462 min Scan# 20
 Delta R.T. -0.001 min
 Lab File: BF139127.D
 Acq: 22 Aug 2024 17:21

Instrument :
 BNA_F
 ClientSampleId :
 919-J-SD-0-0.5-1-081624



Tgt Ion:	276	Resp:	72838
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.8	28.2
138	17.5	15.0	22.4

