

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
 Data File : BF139111.D
 Acq On : 21 Aug 2024 19:49
 Operator : RC/JU
 Sample : P3663-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Aug 22 00:57:49 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)

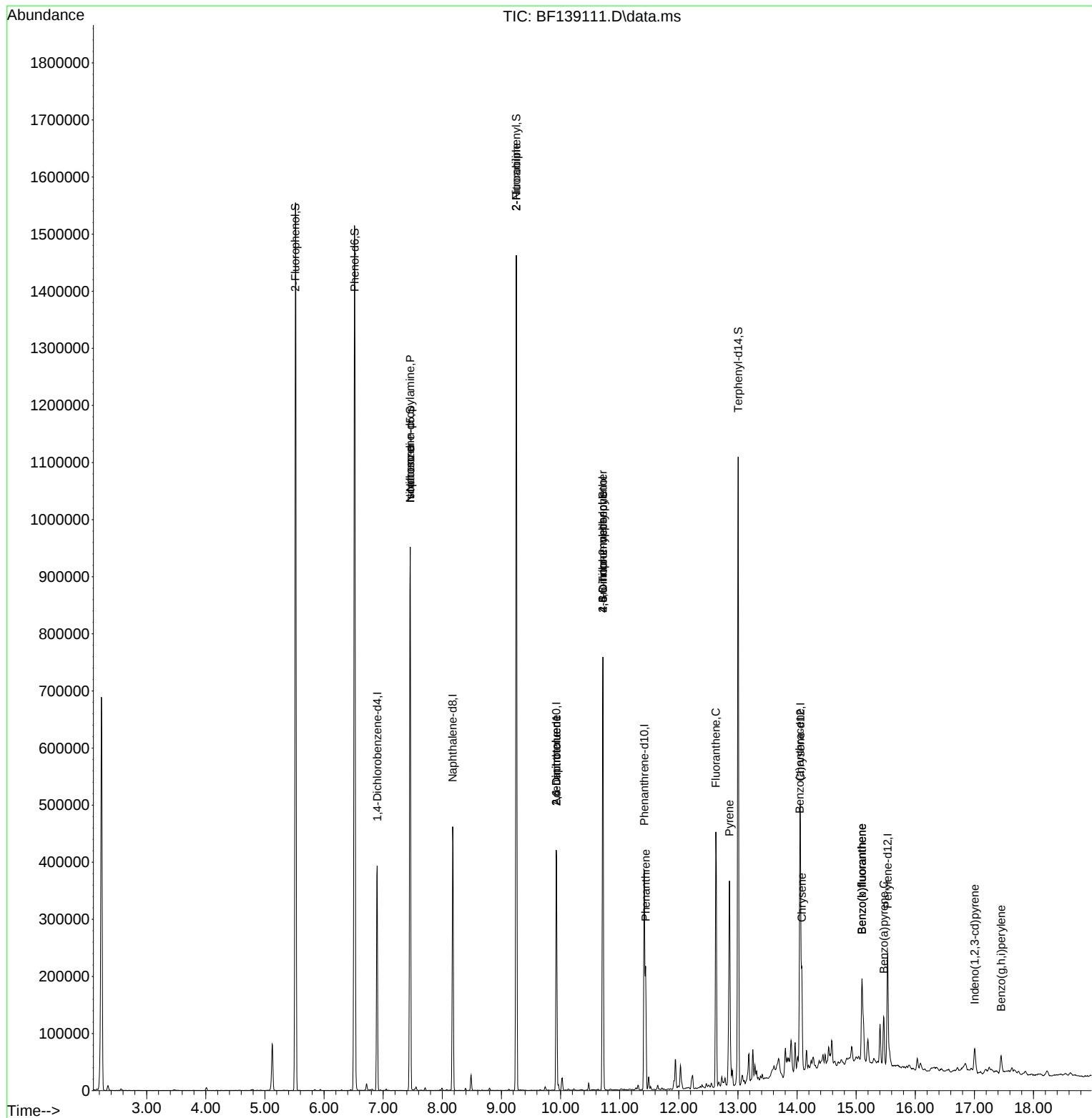
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	77912	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	270606	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	124396	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	189134	20.000	ng	0.00
76) Chrysene-d12	14.057	240	152308	20.000	ng	0.00
86) Perylene-d12	15.533	264	112533	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	529232	104.507	ng	0.00
7) Phenol-d6	6.516	99	671775	102.664	ng	0.00
23) Nitrobenzene-d5	7.457	82	425306	91.582	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	111747	99.230	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	597608	76.222	ng	0.00
79) Terphenyl-d14	13.004	244	503837	54.890	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	59362	13.814	ng	# 79
25) Isophorone	7.457	82	425311	43.088	ng	# 69
48) 2-Nitroaniline	9.251	65	1120	6.155	ng	# 1
51) 2,6-Dinitrotoluene	9.928	165	16057	13.960	ng	# 16
57) 2,4-Dinitrotoluene	9.928	165	16057	12.899	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.716	198	184	6.765	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	8282	4.132	ng	# 1
71) Phenanthrene	11.439	178	107077	11.138	ng	99
75) Fluoranthene	12.627	202	240878	23.476	ng	99
78) Pyrene	12.857	202	187211	14.729	ng	98
81) Benzo(a)anthracene	14.045	228	90378	9.027	ng	99
83) Chrysene	14.080	228	87562	9.649	ng	98
87) Indeno(1,2,3-cd)pyrene	17.004	276	29748	4.517	ng	99
88) Benzo(b)fluoranthene	15.098	252	116469	15.875	ng	98
89) Benzo(k)fluoranthene	15.098	252	116469	19.061	ng	98
90) Benzo(a)pyrene	15.468	252	49830	8.596	ng	98
92) Benzo(g,h,i)perylene	17.451	276	27246	6.949	ng	99

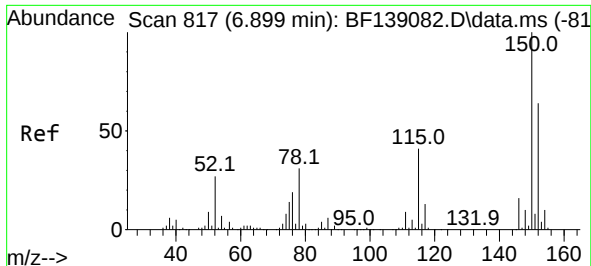
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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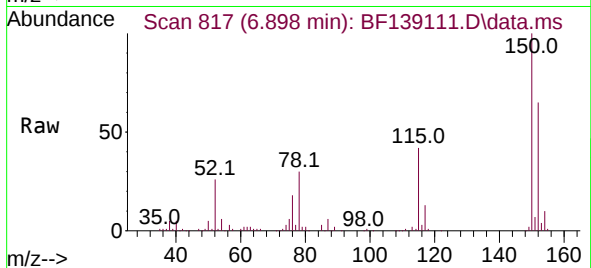
Quant Time: Aug 22 00:57:49 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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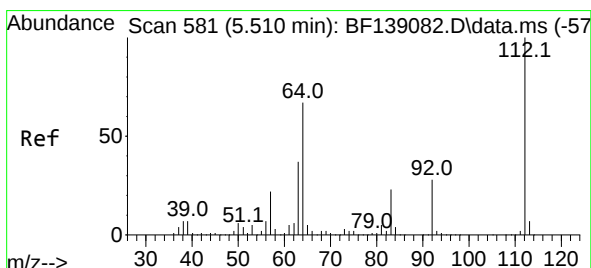
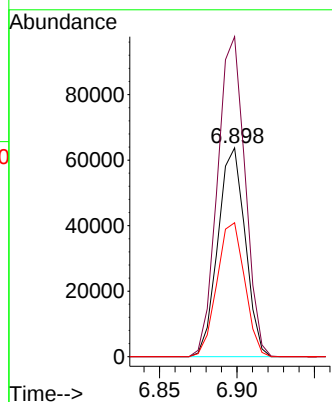
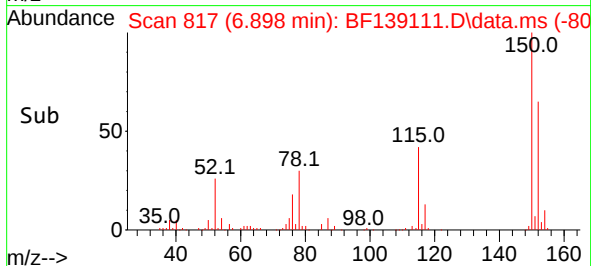


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

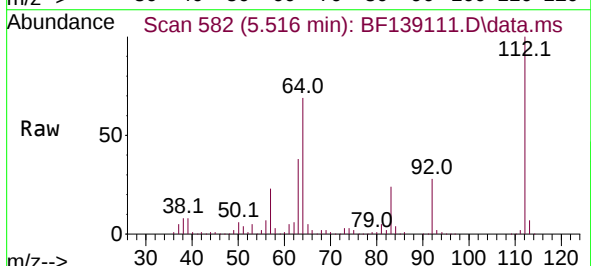
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624



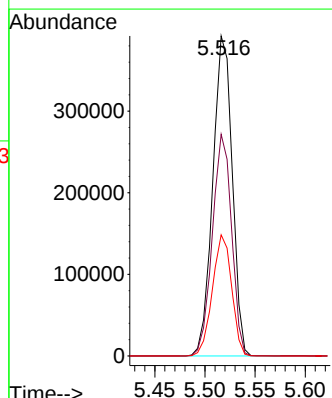
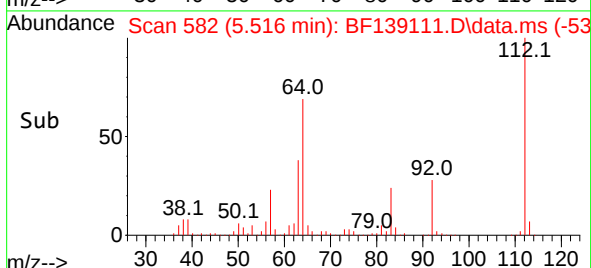
Tgt Ion:152 Resp: 77912
Ion Ratio Lower Upper
152 100
150 153.3 125.1 187.7
115 64.1 51.8 77.6

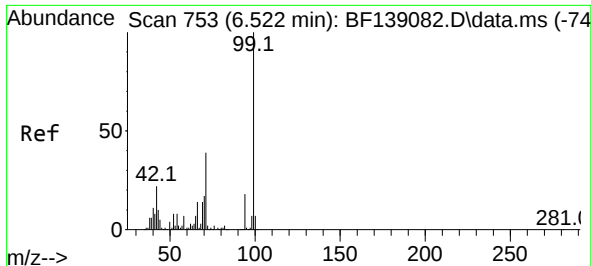


#5
2-Fluorophenol
Concen: 104.507 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49



Tgt Ion:112 Resp: 529232
Ion Ratio Lower Upper
112 100
64 69.3 53.8 80.6
63 37.8 29.4 44.2

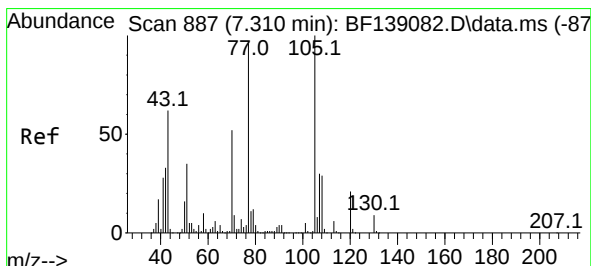
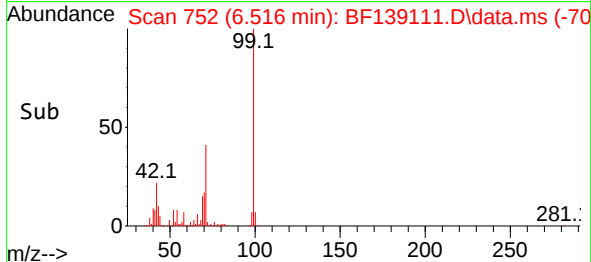
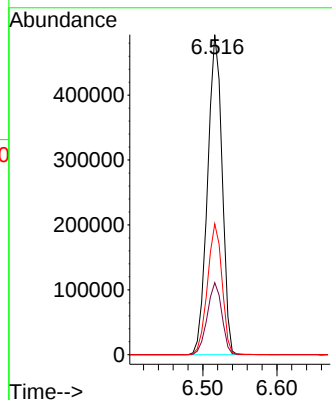
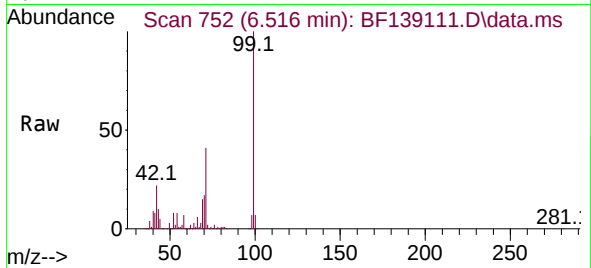




#7
Phenol-d6
Concen: 102.664 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

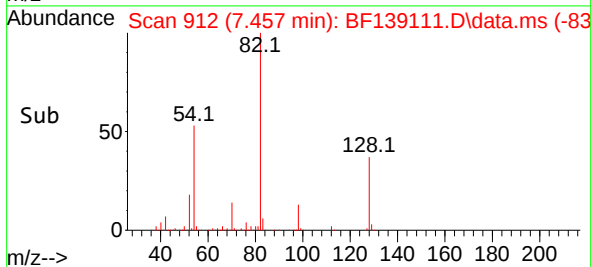
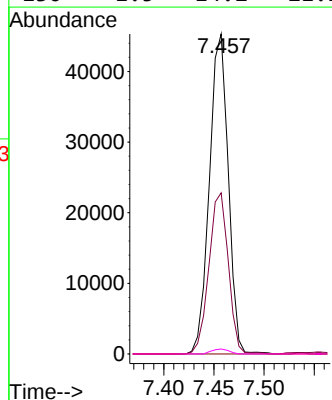
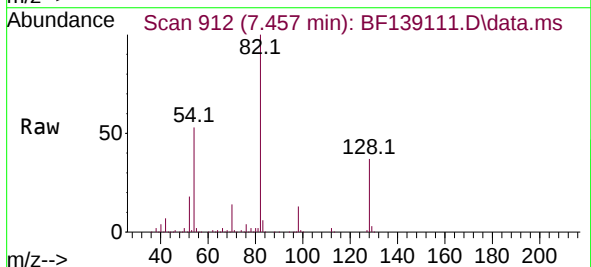
Instrument :
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ClientSampleId :
919-J-SD-0-1-081624

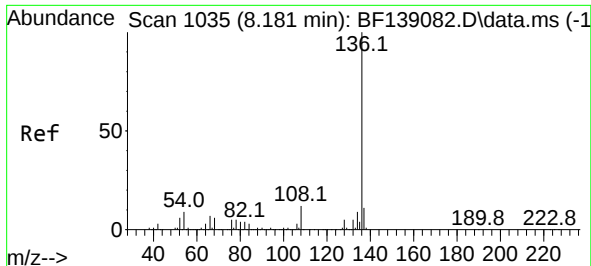
Tgt Ion: 99 Resp: 671775
Ion Ratio Lower Upper
99 100
42 22.5 17.4 26.2
71 40.9 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.814 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

Tgt Ion: 70 Resp: 59362
Ion Ratio Lower Upper
70 100
42 50.4 50.5 75.7#
101 0.0 7.2 10.8#
130 1.5 14.2 21.2#



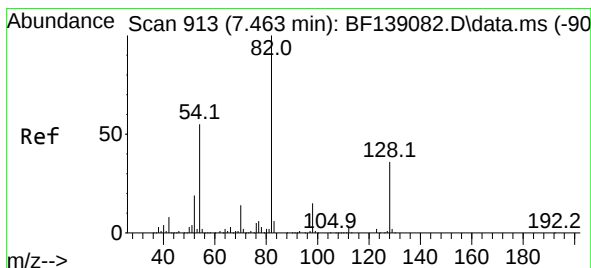
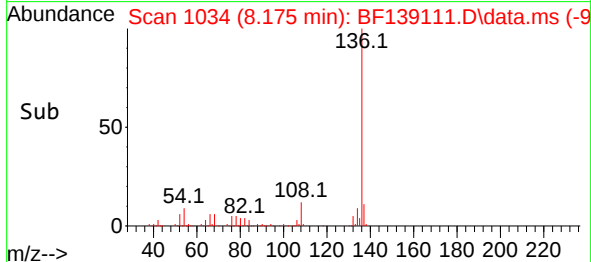
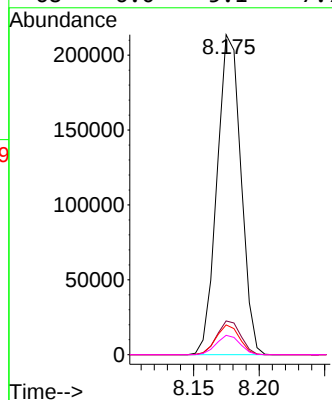
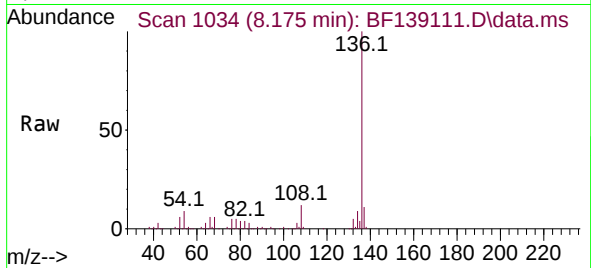


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

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

Tgt Ion:136 Resp: 270606

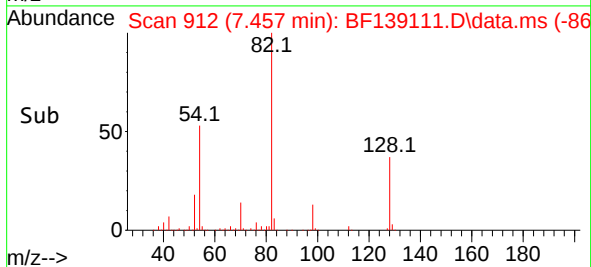
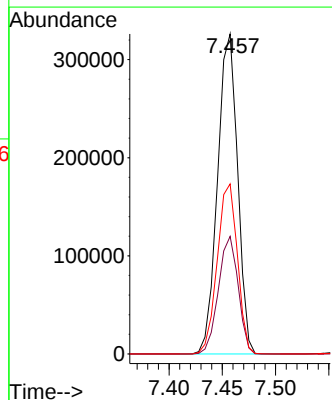
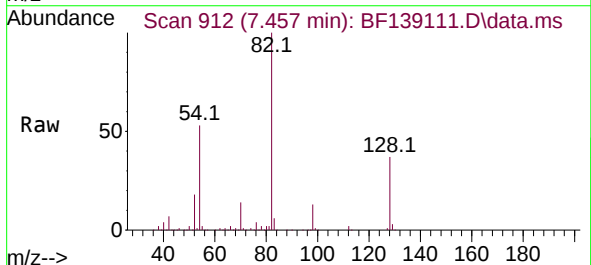
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	9.3	7.6	11.4
68	6.0	5.1	7.7

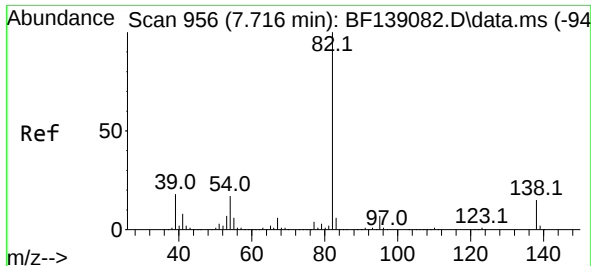


#23
Nitrobenzene-d5
Concen: 91.582 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

Tgt Ion: 82 Resp: 425306

Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.0	43.4
54	53.2	43.4	65.2

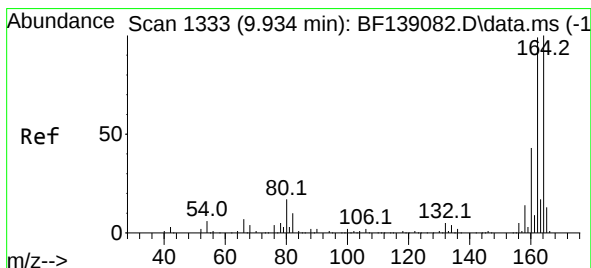
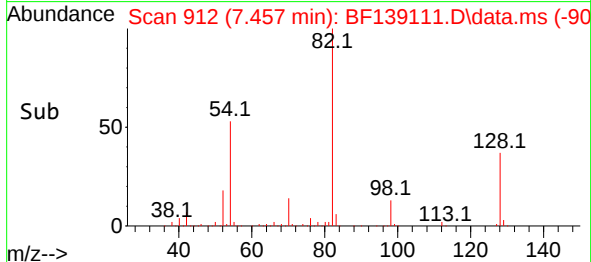
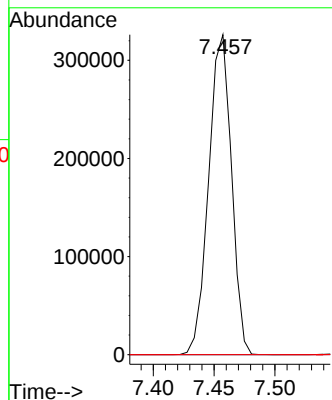
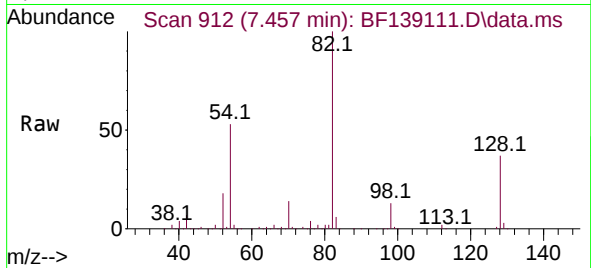




#25
Isophorone
Concen: 43.088 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

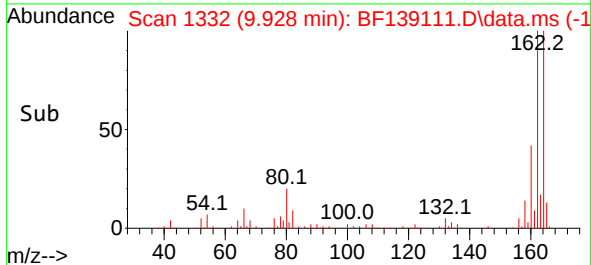
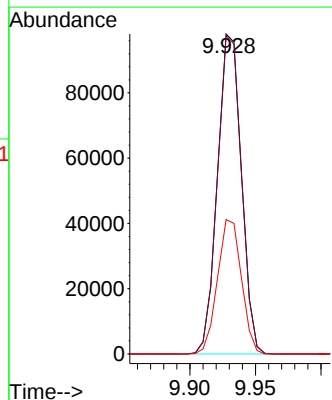
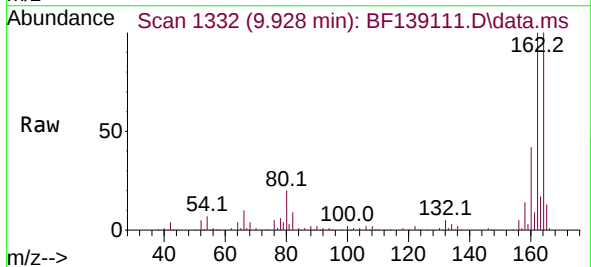
Instrument :
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ClientSampleId :
919-J-SD-0-1-081624

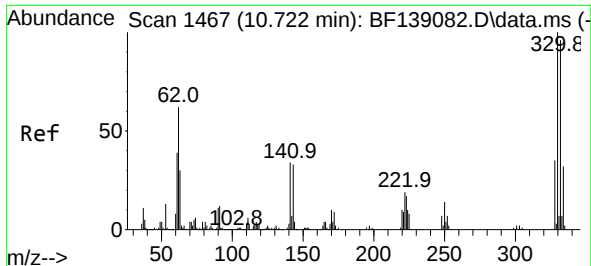
Tgt Ion: 82 Resp: 425311
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

Tgt Ion: 164 Resp: 124396
Ion Ratio Lower Upper
164 100
162 99.5 79.5 119.3
160 42.0 34.5 51.7

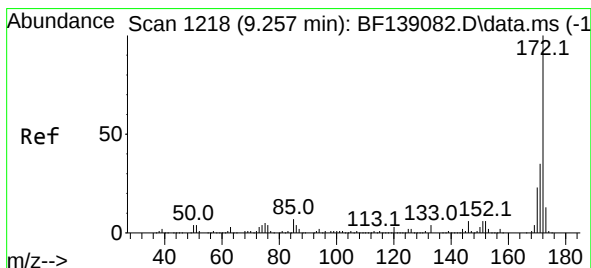
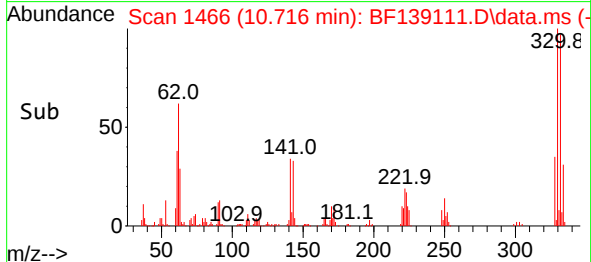
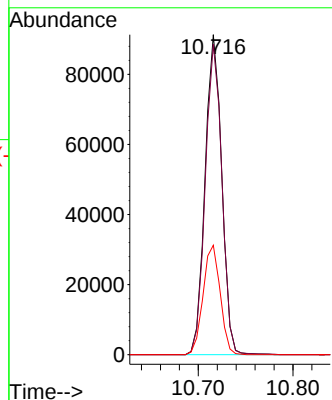
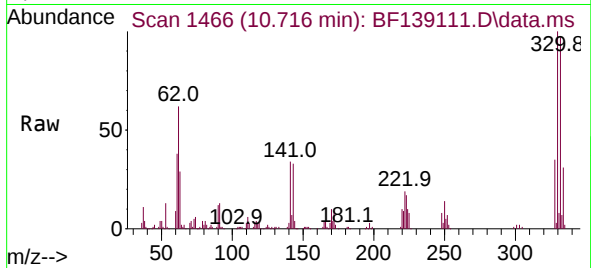




#42
2,4,6-Tribromophenol
Concen: 99.230 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

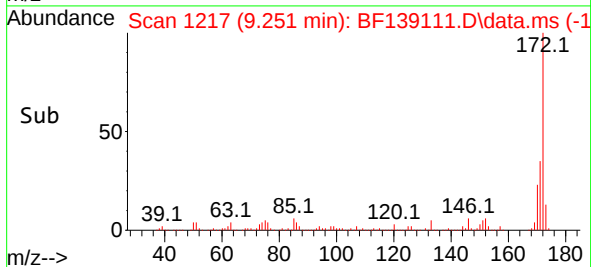
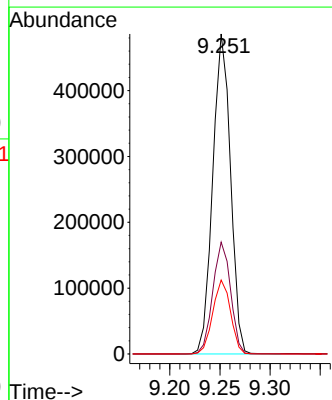
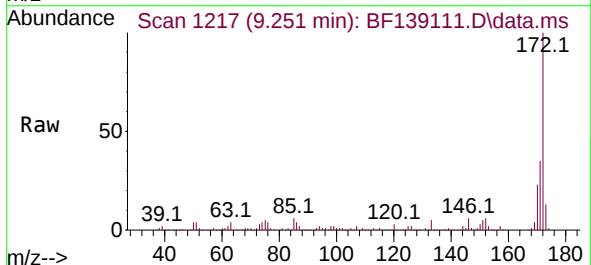
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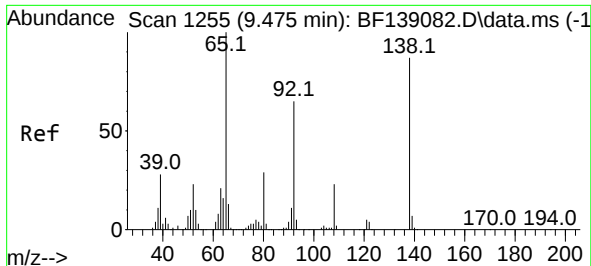
Tgt Ion:330 Resp: 111747
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 35.0 27.5 41.3



#45
2-Fluorobiphenyl
Concen: 76.222 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

Tgt Ion:172 Resp: 597608
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.1 18.8 28.2

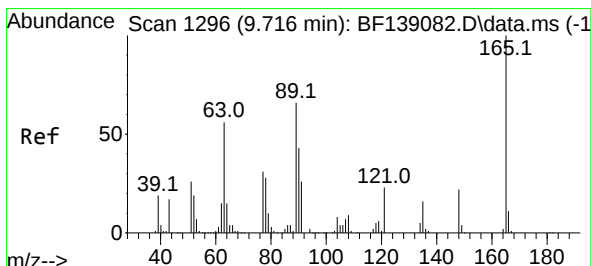
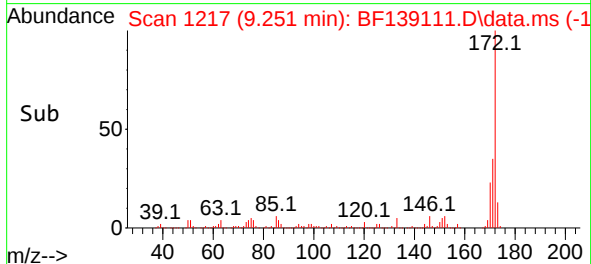
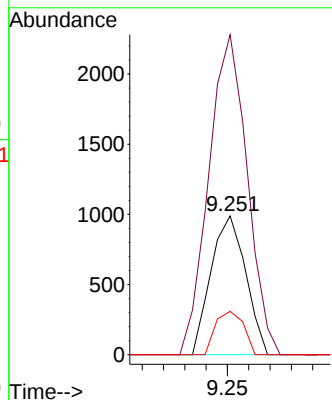
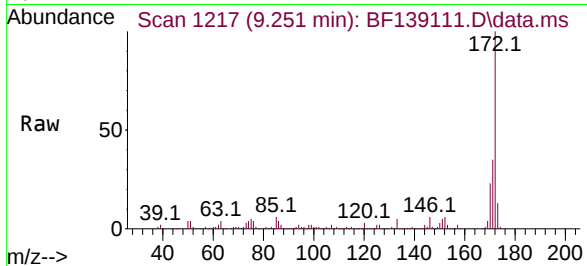




#48
2-Nitroaniline
Concen: 6.155 ng
RT: 9.251 min Scan# 111
Delta R.T. -0.224 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

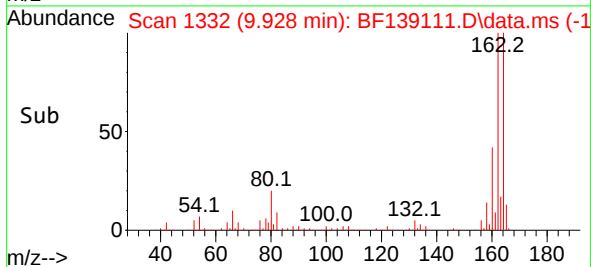
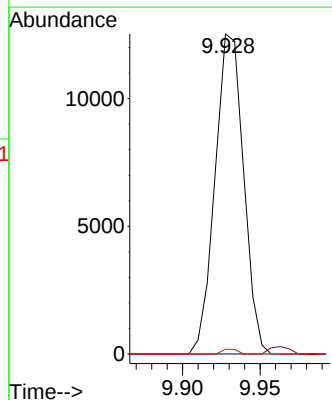
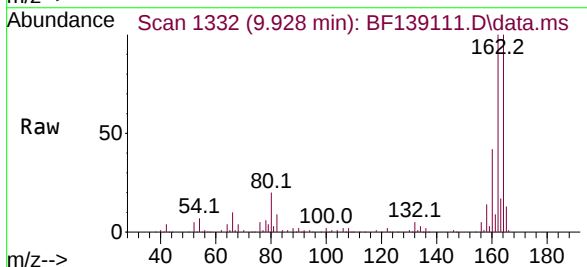
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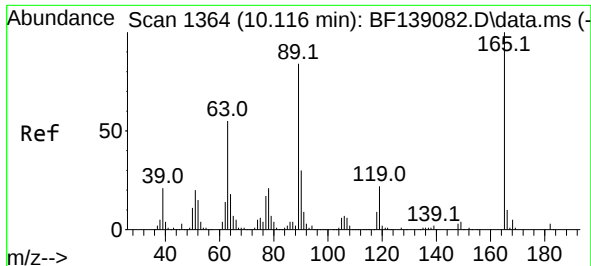
Tgt Ion: 65 Resp: 1120
Ion Ratio Lower Upper
65 100
92 230.6 52.4 78.6#
138 31.2 69.4 104.0#



#51
2,6-Dinitrotoluene
Concen: 13.960 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.212 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

Tgt Ion:165 Resp: 16057
Ion Ratio Lower Upper
165 100
63 0.0 58.0 87.0#
89 1.5 53.3 79.9#

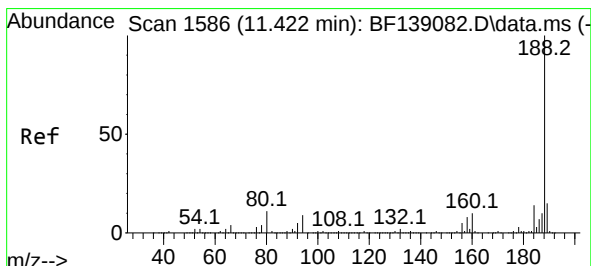
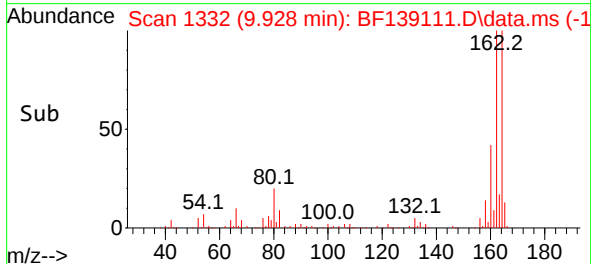
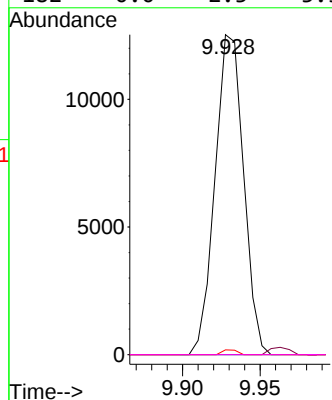
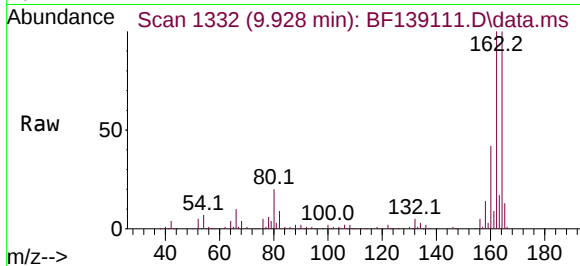




#57
2,4-Dinitrotoluene
Concen: 12.899 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

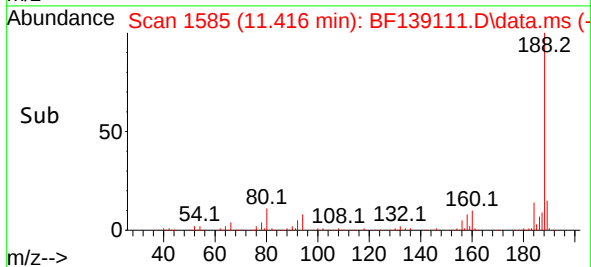
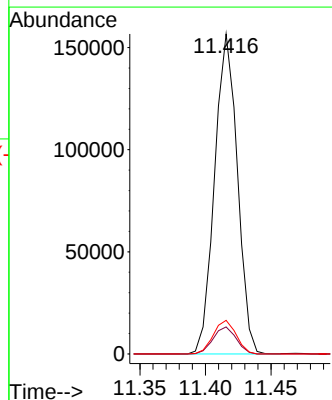
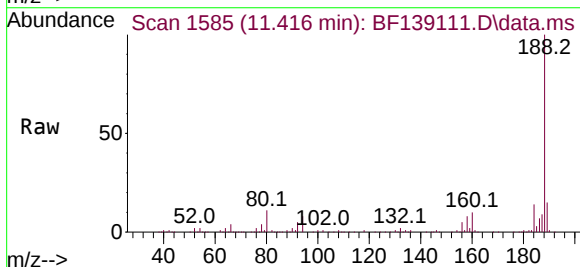
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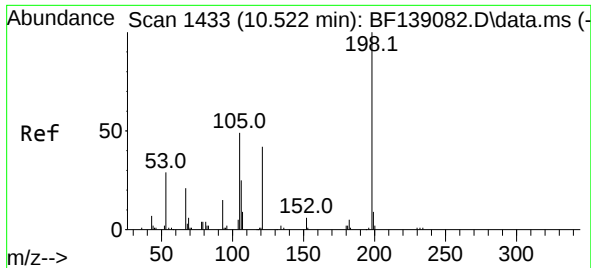
Tgt Ion:165 Resp: 16057
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 1.5 67.4 101.2#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

Tgt Ion:188 Resp: 189134
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 10.5 8.5 12.7

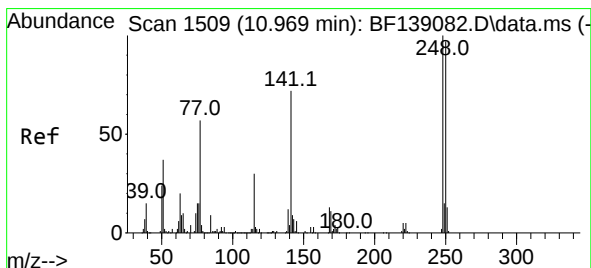
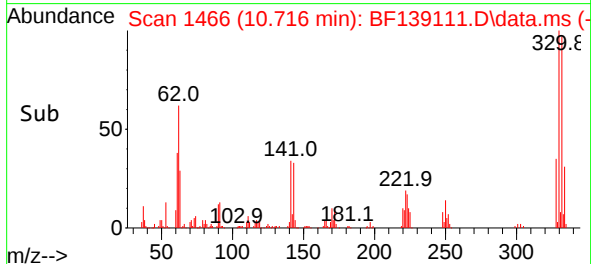
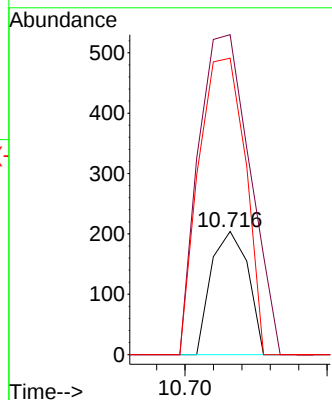
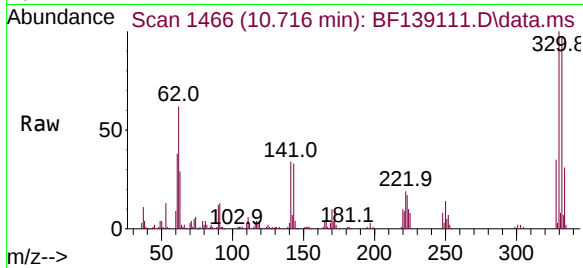




#65
4,6-Dinitro-2-methylphenol
Concen: 6.765 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.194 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

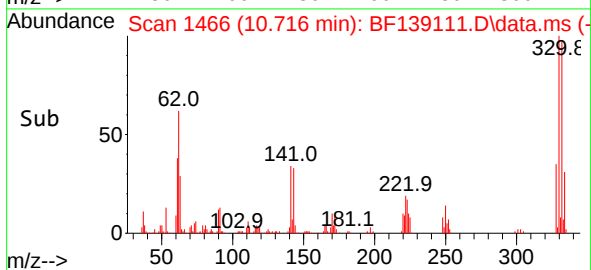
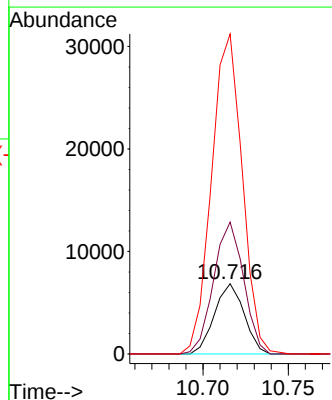
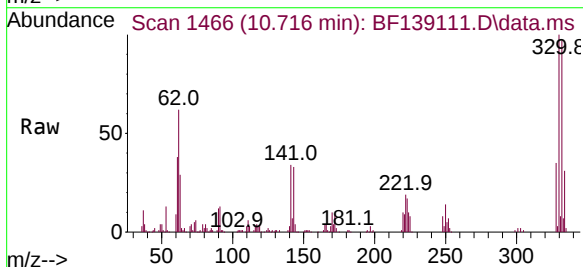
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

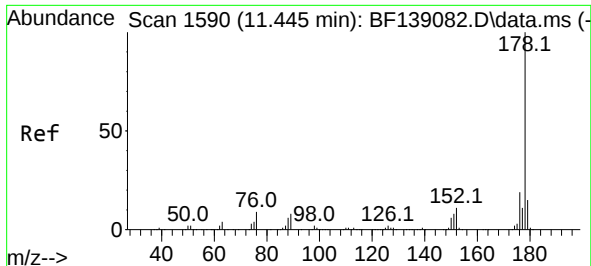
Tgt Ion:198 Resp: 184
Ion Ratio Lower Upper
198 100
51 259.8 40.8 80.8#
105 240.7 30.9 70.9#



#67
4-Bromophenyl-phenylether
Concen: 4.132 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.253 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

Tgt Ion:248 Resp: 8282
Ion Ratio Lower Upper
248 100
250 187.6 77.8 116.8#
141 455.5 57.9 86.9#

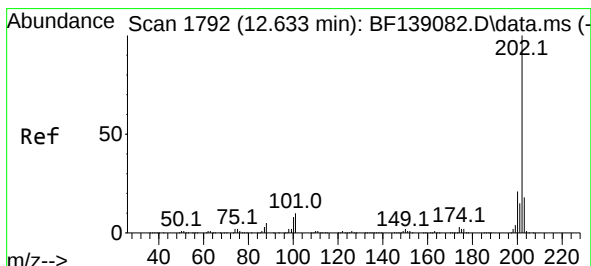
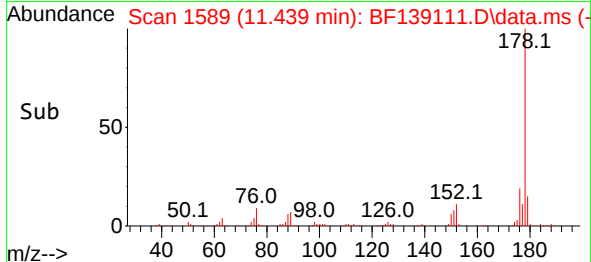
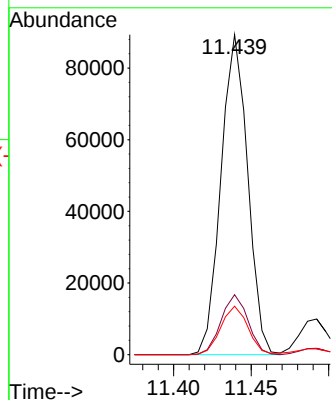
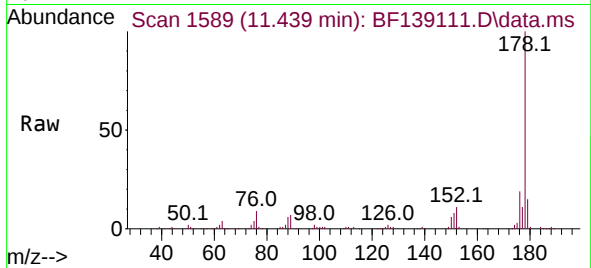




#71
Phenanthrene
Concen: 11.138 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

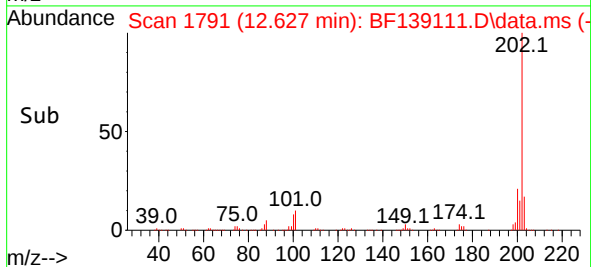
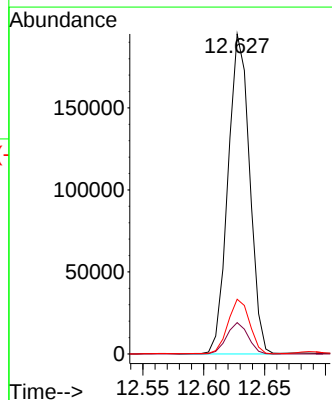
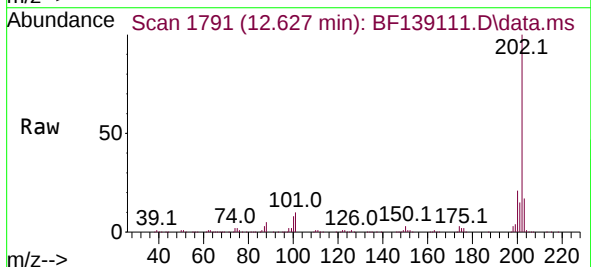
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

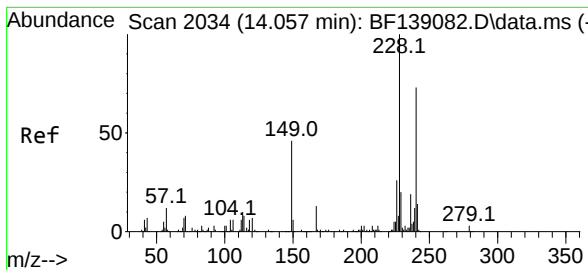
Tgt Ion:178 Resp: 107077
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.1 12.3 18.5



#75
Fluoranthene
Concen: 23.476 ng
RT: 12.627 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

Tgt Ion:202 Resp: 240878
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.2
203 17.1 0.0 37.6

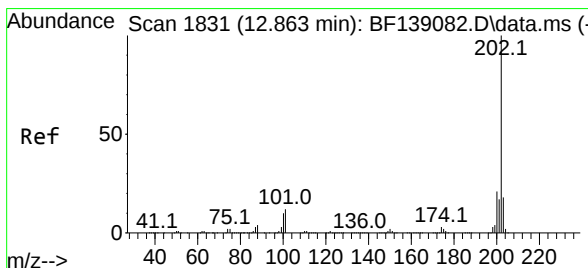
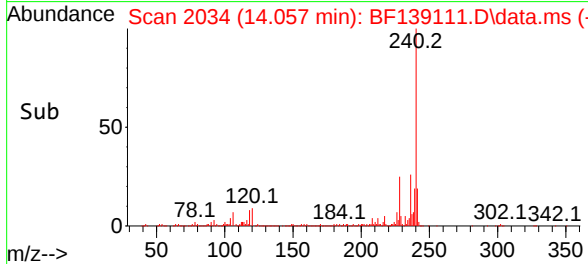
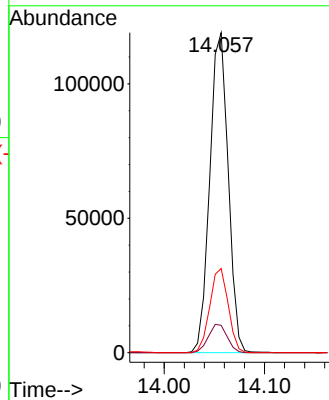
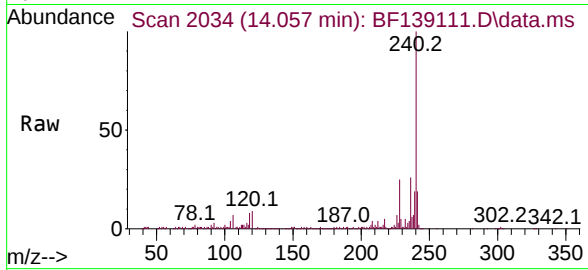




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

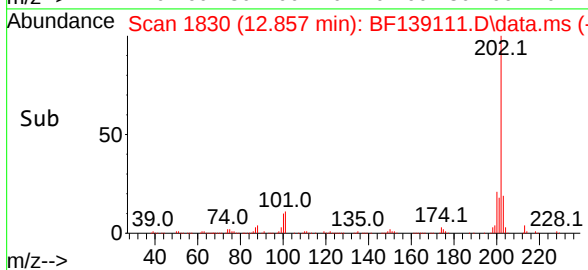
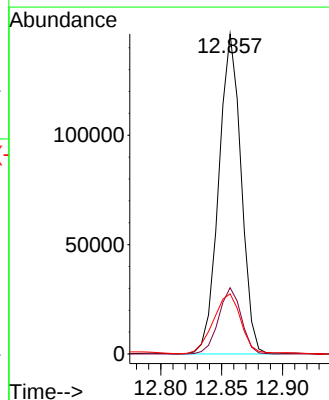
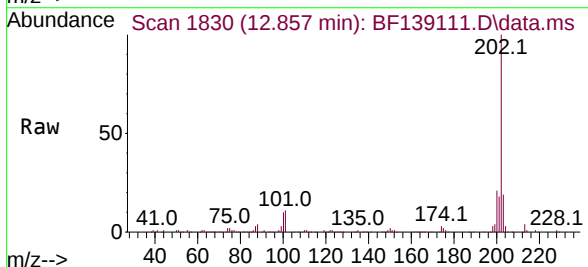
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

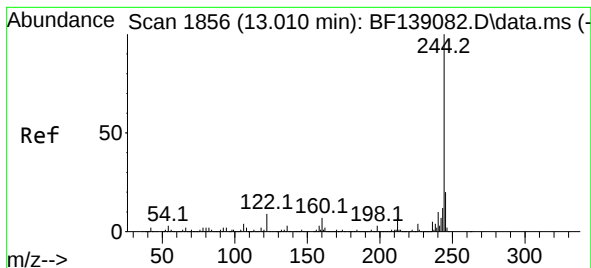
Tgt Ion:240 Resp: 152308
Ion Ratio Lower Upper
240 100
120 8.6 7.8 11.6
236 26.3 20.9 31.3



#78
Pyrene
Concen: 14.729 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF139111.D
Acq: 21 Aug 2024 19:49

Tgt Ion:202 Resp: 187211
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 18.8 14.1 21.1





#79

Terphenyl-d14

Concen: 54.890 ng

RT: 13.004 min Scan# 1856

Delta R.T. -0.006 min

Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-1-081624

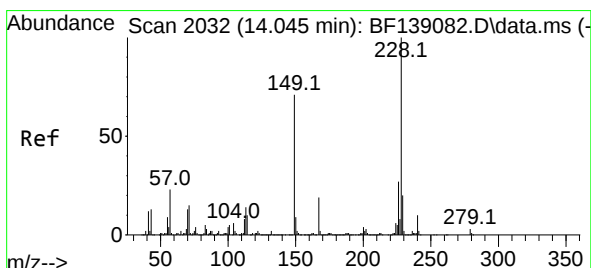
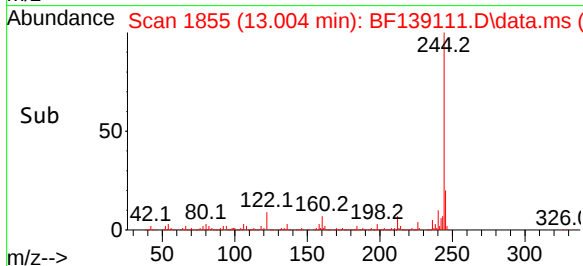
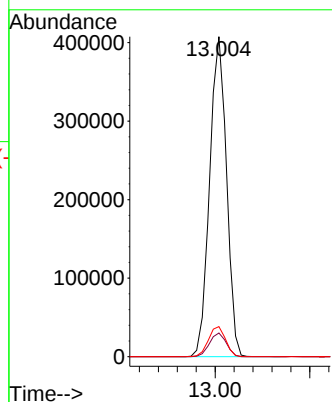
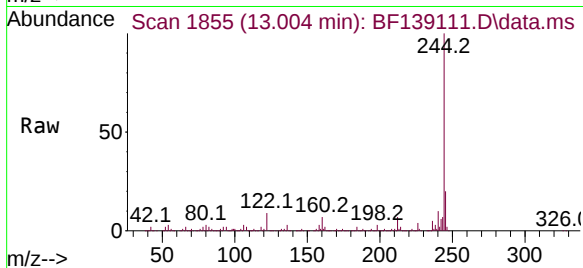
Tgt Ion:244 Resp: 503837

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 9.4 7.6 11.4



#81

Benzo(a)anthracene

Concen: 9.027 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

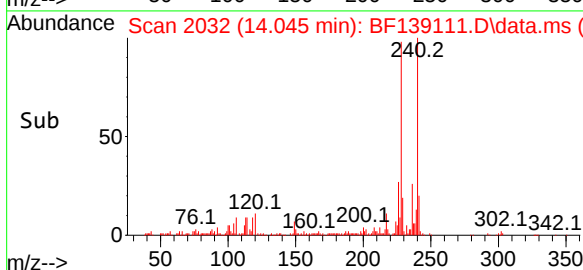
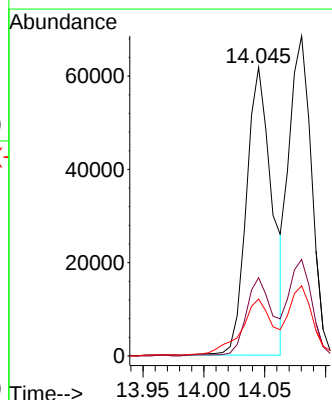
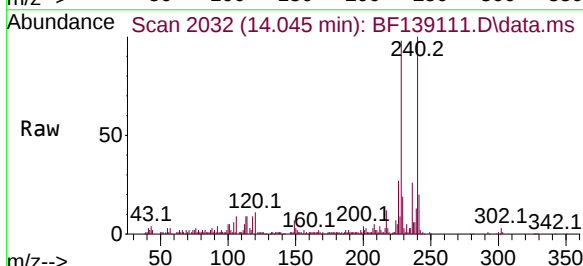
Tgt Ion:228 Resp: 90378

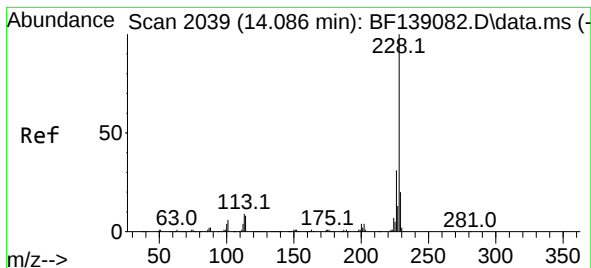
Ion Ratio Lower Upper

228 100

226 27.1 21.9 32.9

229 19.8 16.1 24.1





#83

Chrysene

Concen: 9.649 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-1-081624

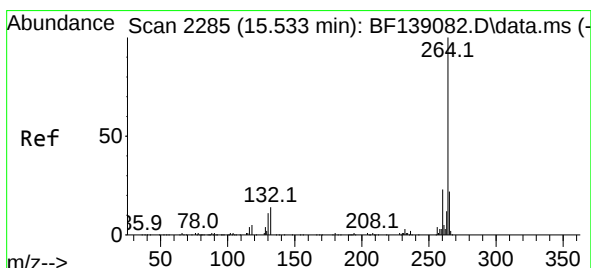
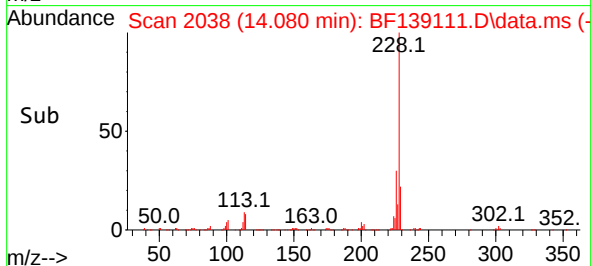
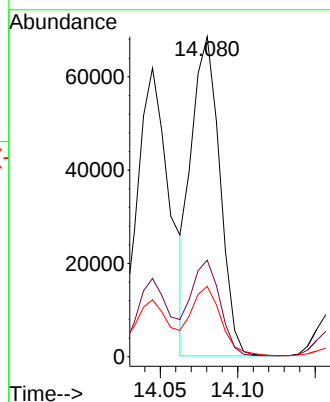
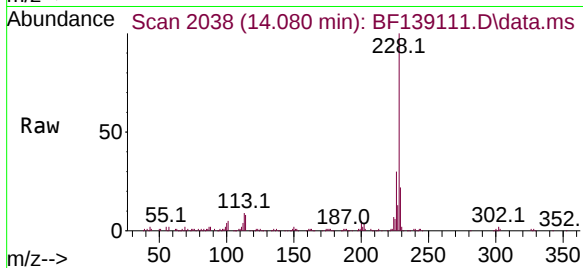
Tgt Ion:228 Resp: 87562

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 21.9 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: BF139111.D

Acq: 21 Aug 2024 19:49

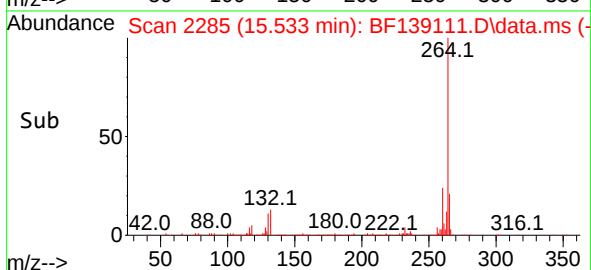
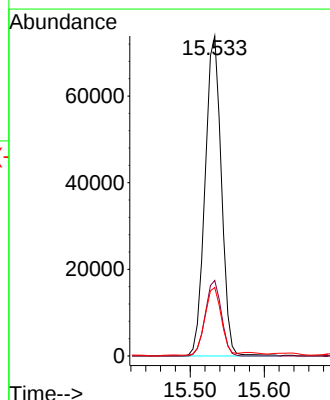
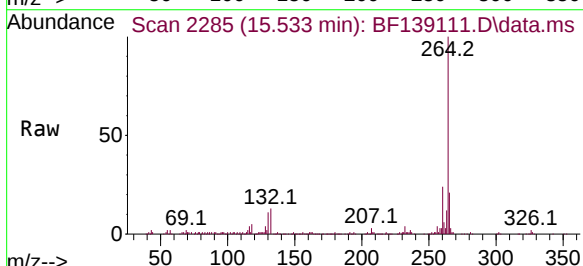
Tgt Ion:264 Resp: 112533

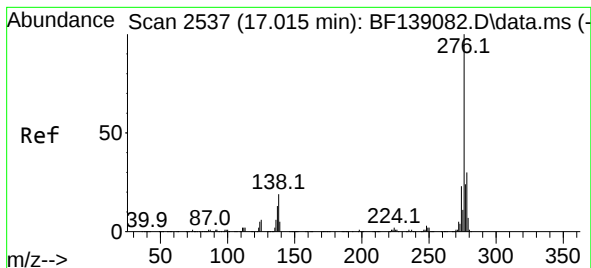
Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 21.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.517 ng

RT: 17.004 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-1-081624

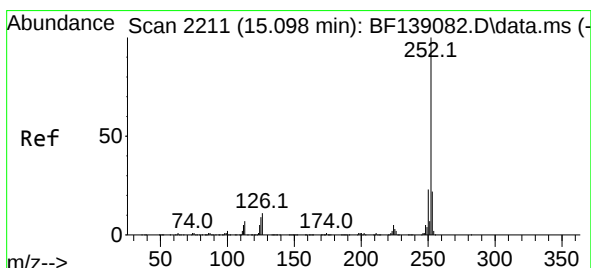
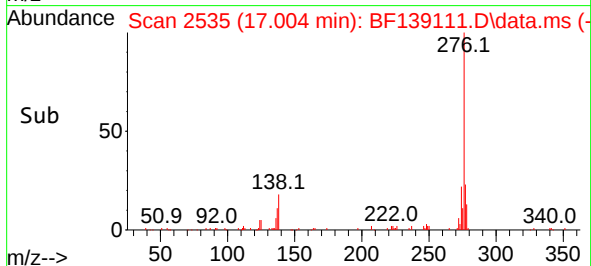
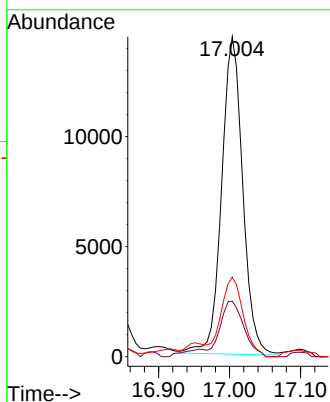
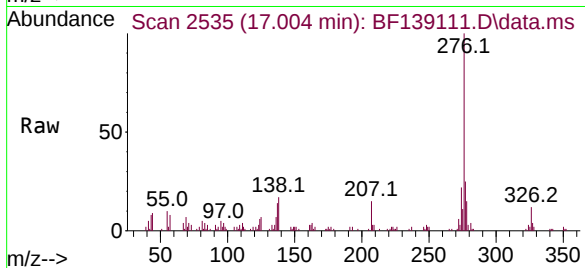
Tgt Ion:276 Resp: 29748

Ion Ratio Lower Upper

276 100

138 22.0 17.3 25.9

277 26.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 15.875 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

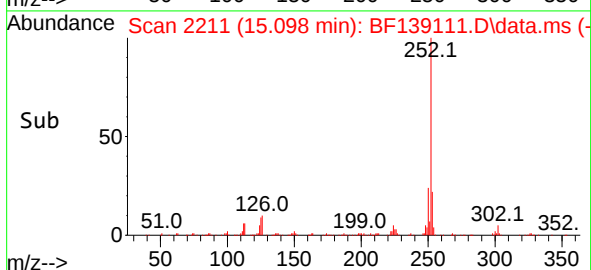
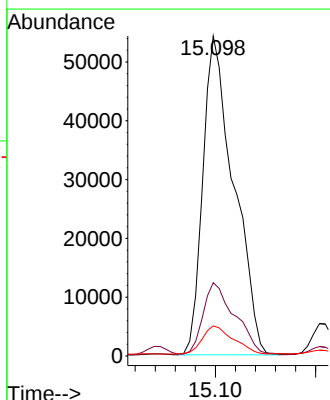
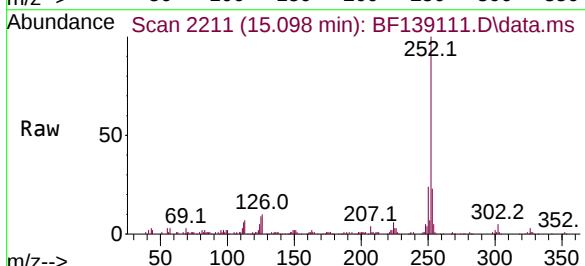
Tgt Ion:252 Resp: 116469

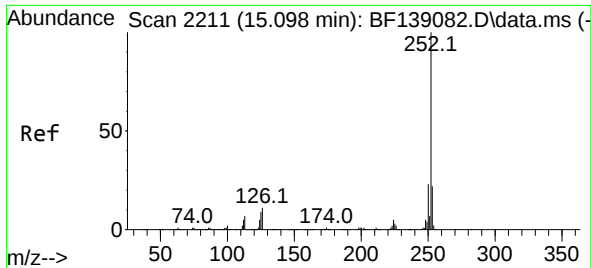
Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

125 9.4 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 19.061 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-1-081624

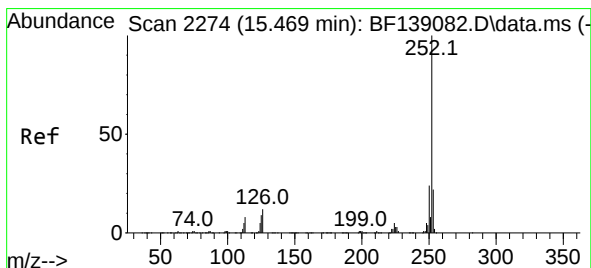
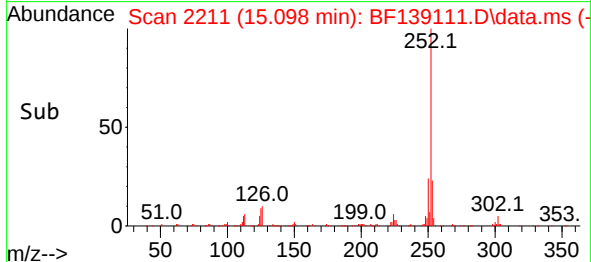
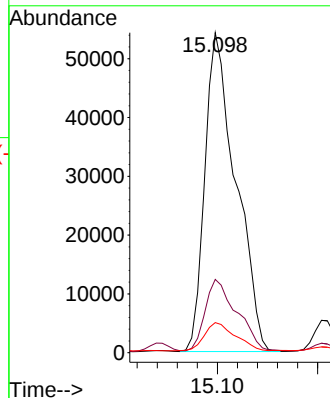
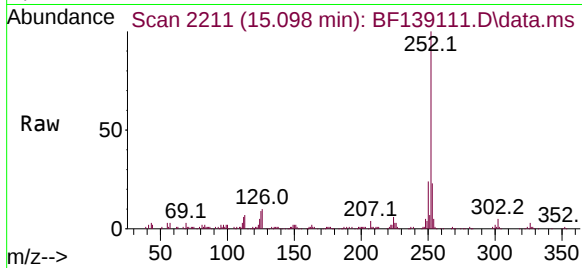
Tgt Ion:252 Resp: 116469

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

125 9.4 7.0 10.6



#90

Benzo(a)pyrene

Concen: 8.596 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF139111.D

Acq: 21 Aug 2024 19:49

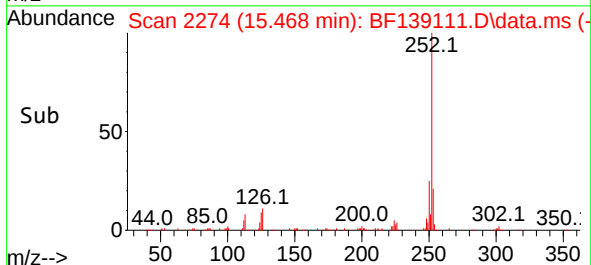
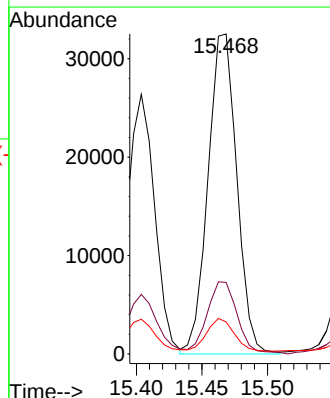
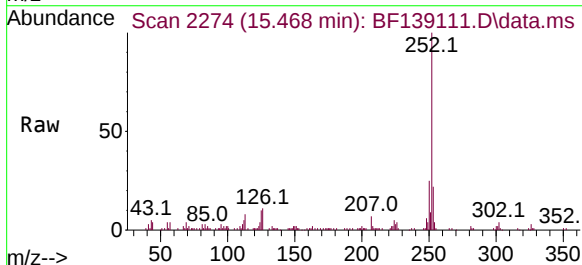
Tgt Ion:252 Resp: 49830

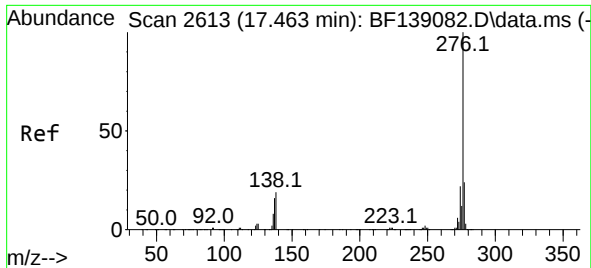
Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

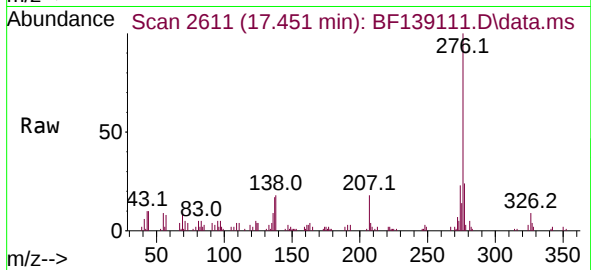
125 10.0 7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 6.949 ng
 RT: 17.451 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF139111.D
 Acq: 21 Aug 2024 19:49

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



Tgt Ion:	276	Resp:	27246
Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	18.0	15.0	22.4

