

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090924\
 Data File : BF139291.D
 Acq On : 09 Sep 2024 19:19
 Operator : RC/JU
 Sample : P3888-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DN-B-36

Quant Time: Sep 10 00:39:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

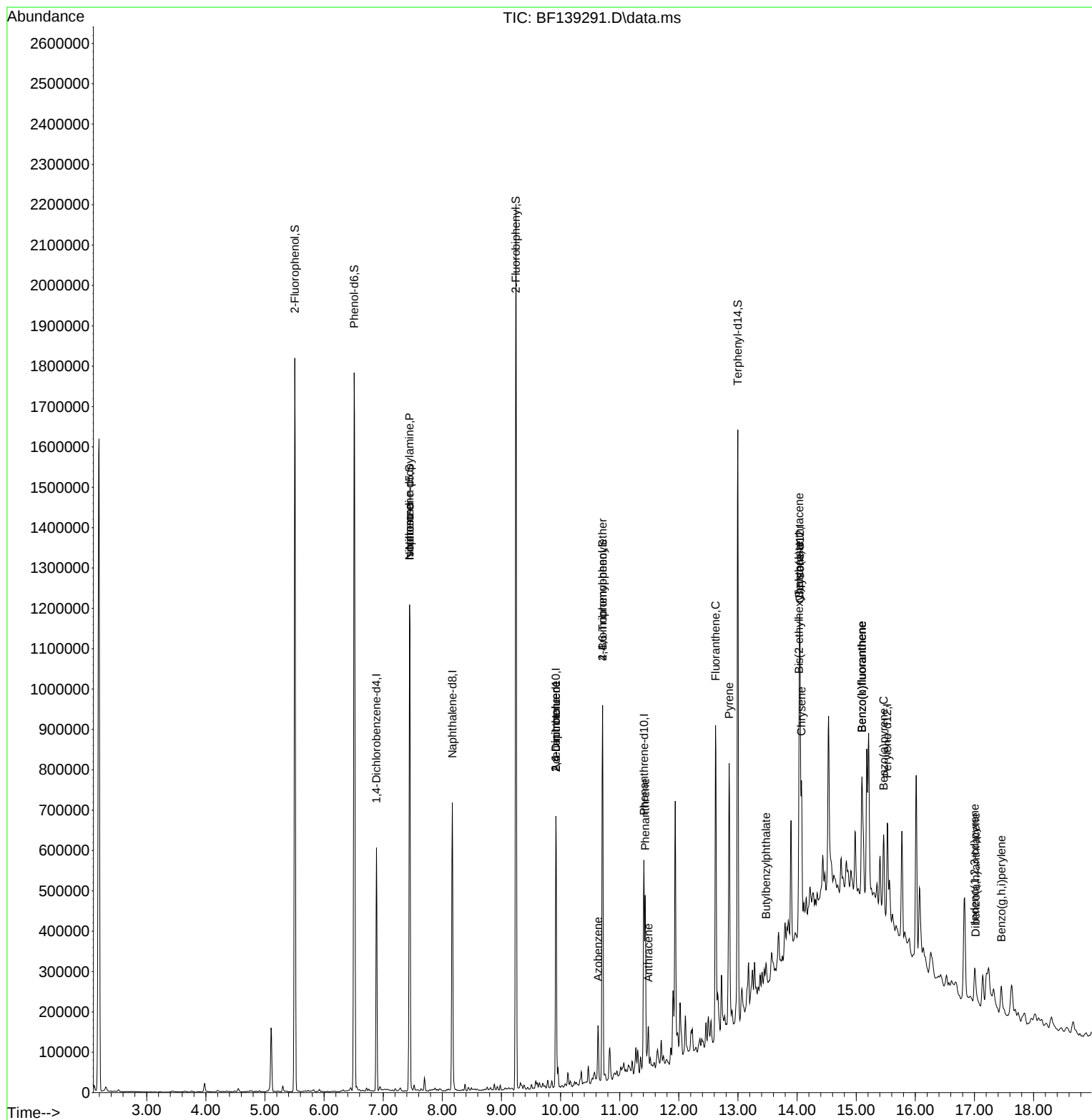
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	117227	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	407198	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	189032	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	261832	20.000	ng	0.00
76) Chrysene-d12	14.051	240	199808	20.000	ng	0.00
86) Perylene-d12	15.527	264	140960	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	607776	86.732	ng	0.00
7) Phenol-d6	6.510	99	797362	85.234	ng	0.00
23) Nitrobenzene-d5	7.445	82	518147	66.197	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	132142	80.953	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	909184	74.244	ng	0.00
79) Terphenyl-d14	12.998	244	683223	55.209	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	70796	13.140	ng	# 78
25) Isophorone	7.445	82	515872	38.550	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	25369	9.760	ng	# 19
57) 2,4-Dinitrotoluene	9.922	165	25369	7.668	ng	# 19
63) Azobenzene	10.633	77	31907	2.685	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	9097	3.581	ng	# 1
71) Phenanthrene	11.433	178	214566	17.542	ng	100
72) Anthracene	11.486	178	59417	4.973	ng	99
75) Fluoranthene	12.621	202	432000	35.229	ng	99
78) Pyrene	12.851	202	376854	19.524	ng	98
80) Butylbenzylphthalate	13.474	149	12894	2.838	ng	93
81) Benzo(a)anthracene	14.039	228	226538	17.756	ng	95
83) Chrysene	14.074	228	191423	16.075	ng	96
84) Bis(2-ethylhexyl)phtha...	14.033	149	69473	13.027	ng	98
87) Indeno(1,2,3-cd)pyrene	17.004	276	65104	7.393	ng	95
88) Benzo(b)fluoranthene	15.098	252	260149	32.047	ng	# 97
89) Benzo(k)fluoranthene	15.098	252	260149	35.741	ng	# 96
90) Benzo(a)pyrene	15.462	252	115375	16.738	ng	# 94
91) Dibenzo(a,h)anthracene	17.021	278	17837	2.458	ng	# 78
92) Benzo(g,h,i)perylene	17.456	276	63658	8.498	ng	97

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

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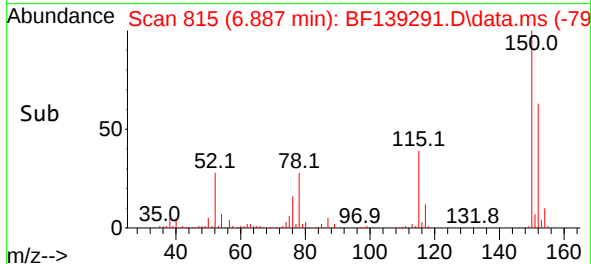
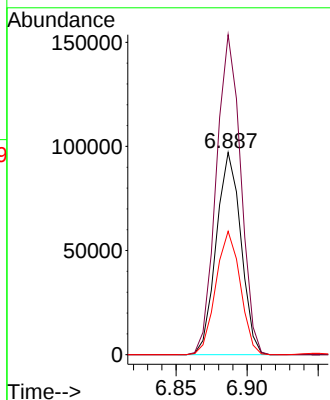
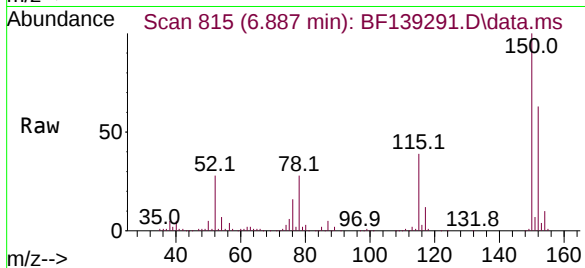




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF139291.D
 Acq: 09 Sep 2024 19:19

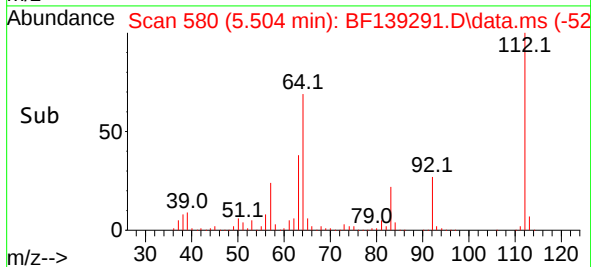
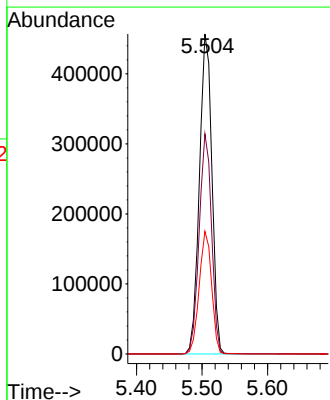
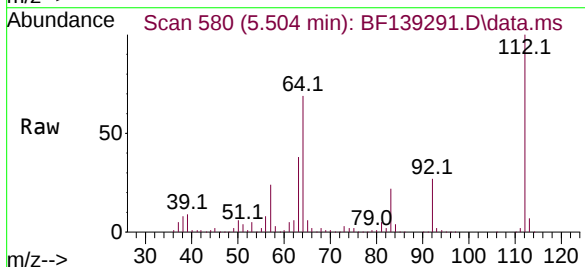
Instrument :
 BNA_F
 ClientSampleId :
 DN-B-36

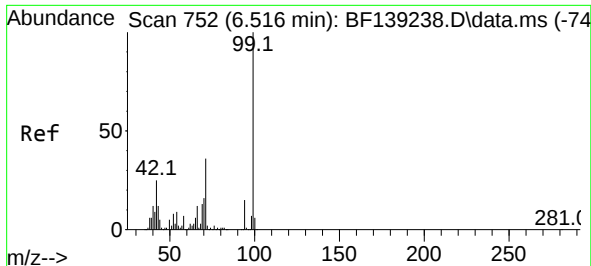
Tgt Ion:152 Resp: 117227
 Ion Ratio Lower Upper
 152 100
 150 158.2 127.0 190.4
 115 61.0 46.9 70.3



#5
 2-Fluorophenol
 Concen: 86.732 ng
 RT: 5.504 min Scan# 580
 Delta R.T. -0.000 min
 Lab File: BF139291.D
 Acq: 09 Sep 2024 19:19

Tgt Ion:112 Resp: 607776
 Ion Ratio Lower Upper
 112 100
 64 68.8 55.0 82.4
 63 38.3 29.9 44.9

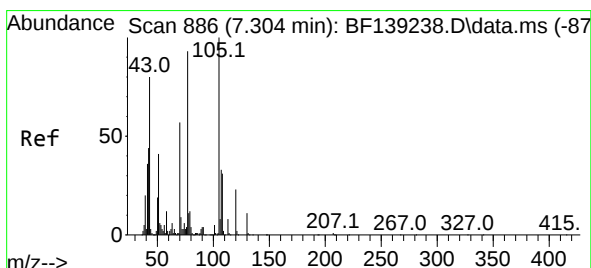
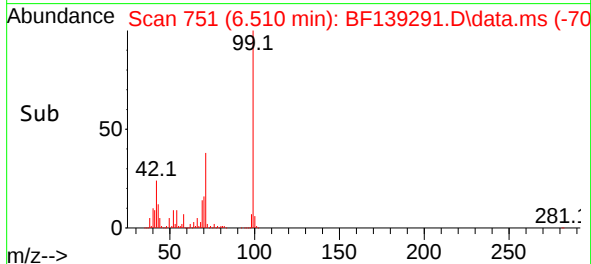
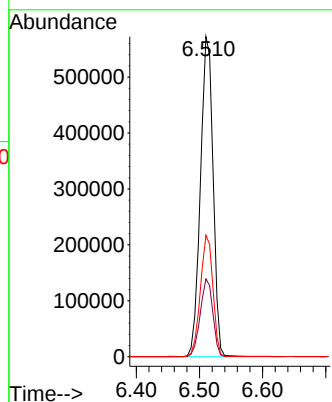
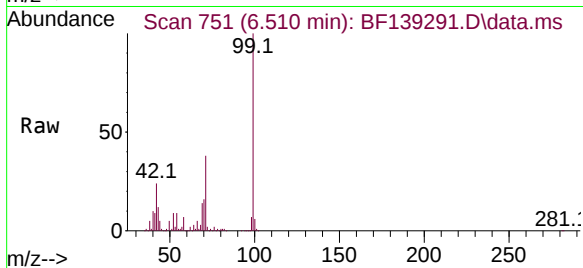




#7
Phenol-d6
Concen: 85.234 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

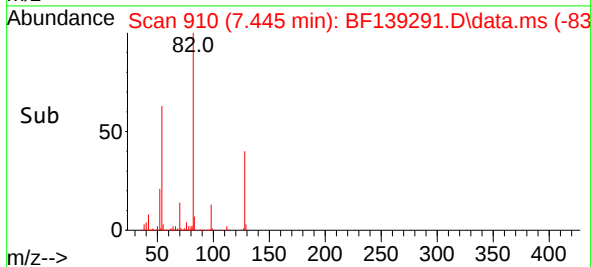
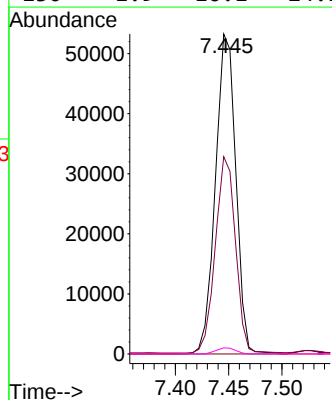
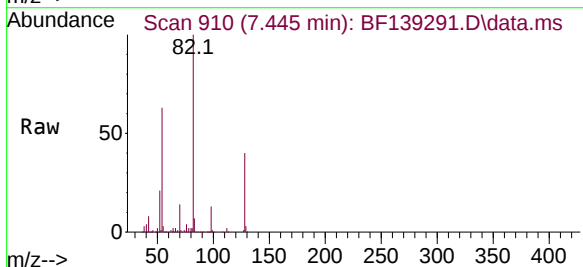
Instrument :
BNA_F
ClientSampleId :
DN-B-36

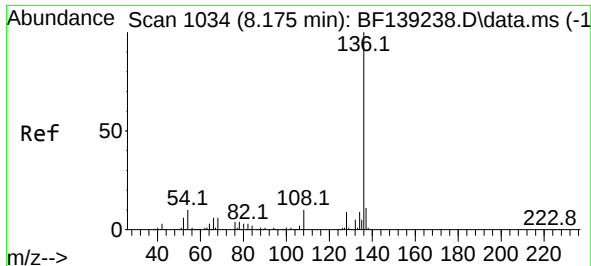
Tgt Ion: 99 Resp: 797362
Ion Ratio Lower Upper
99 100
42 24.3 19.8 29.6
71 37.9 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.140 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

Tgt Ion: 70 Resp: 70796
Ion Ratio Lower Upper
70 100
42 61.6 61.0 91.6
101 0.0 7.2 10.8#
130 1.9 16.1 24.1#

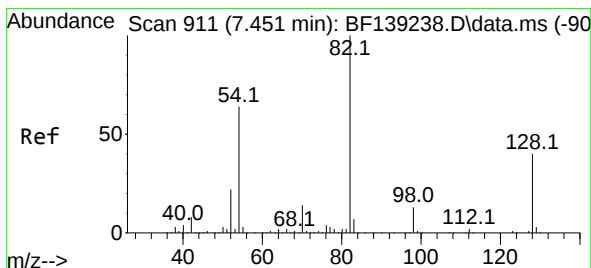
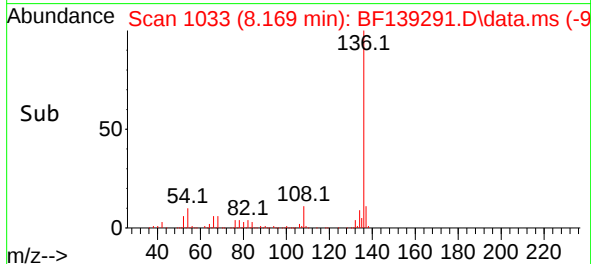
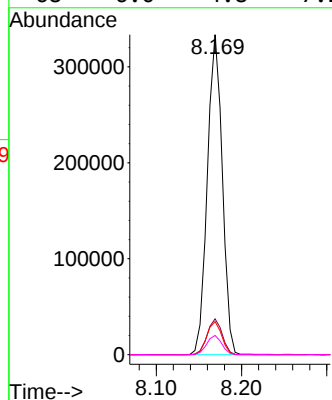
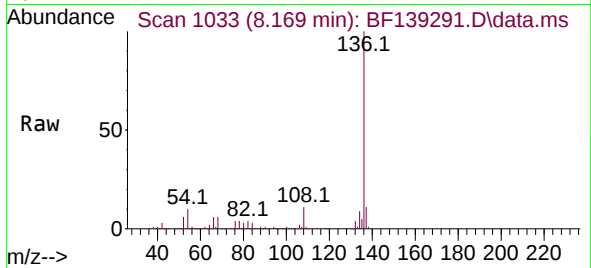




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

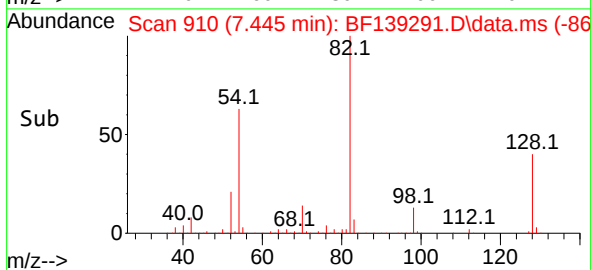
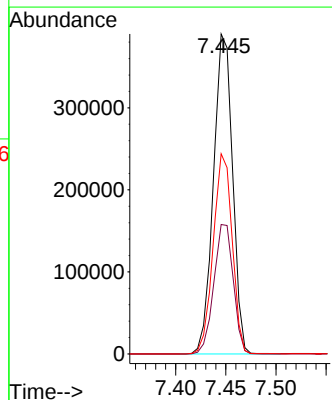
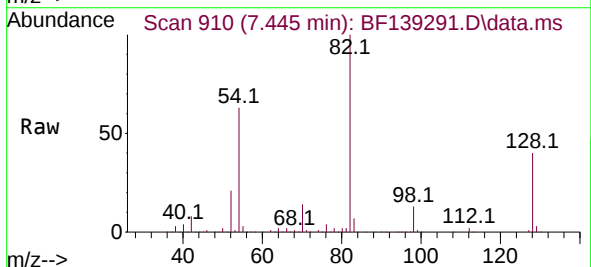
Instrument :
BNA_F
ClientSampleId :
DN-B-36

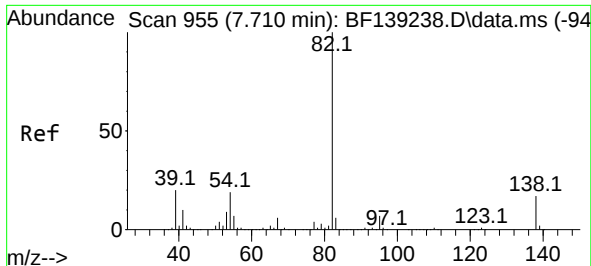
Tgt Ion:	136	Resp:	407198
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	10.3	8.4	12.6
68	6.0	4.8	7.2



#23
Nitrobenzene-d5
Concen: 66.197 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

Tgt Ion:	82	Resp:	518147
Ion	Ratio	Lower	Upper
82	100		
128	40.4	32.3	48.5
54	62.6	51.2	76.8

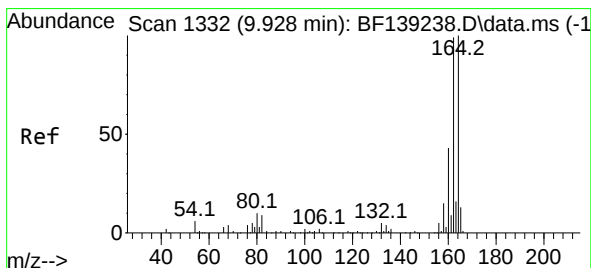
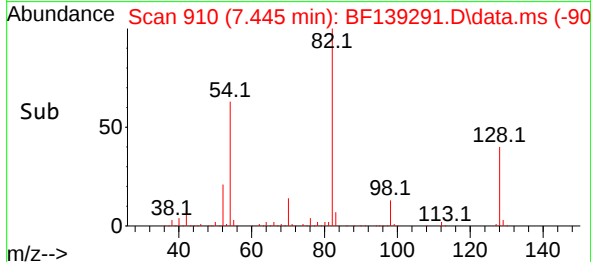
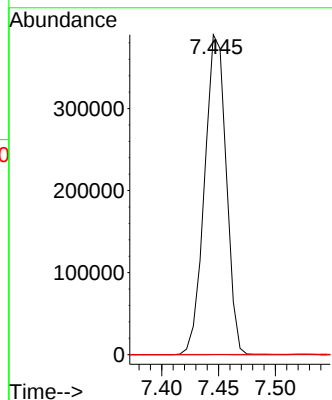
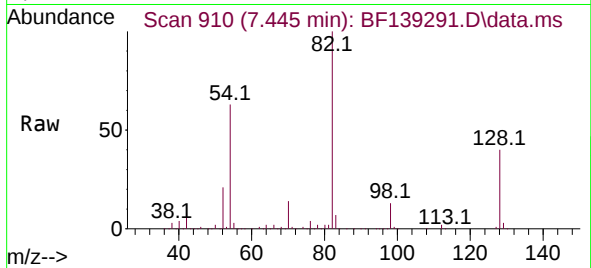




#25
Isophorone
Concen: 38.550 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

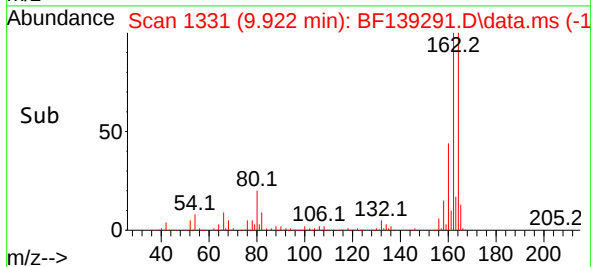
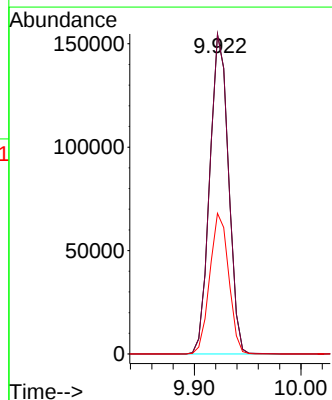
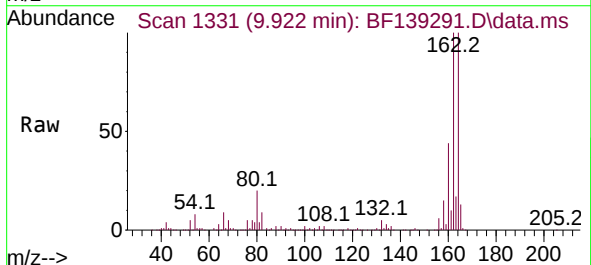
Instrument :
BNA_F
ClientSampleId :
DN-B-36

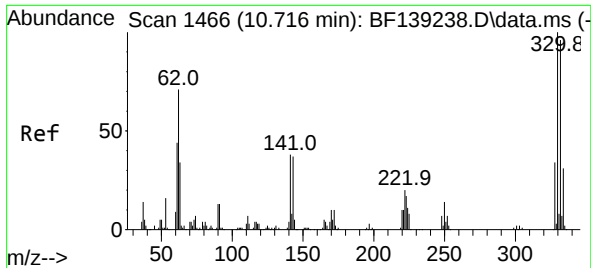
Tgt Ion: 82 Resp: 515872
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

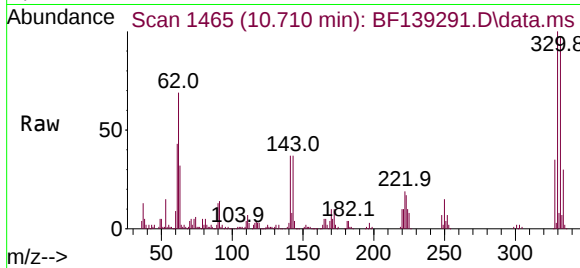
Tgt Ion:164 Resp: 189032
Ion Ratio Lower Upper
164 100
162 100.2 79.2 118.8
160 44.0 34.2 51.2



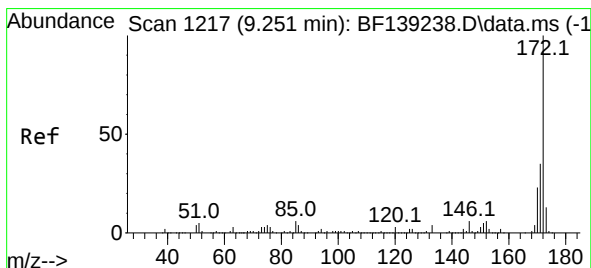
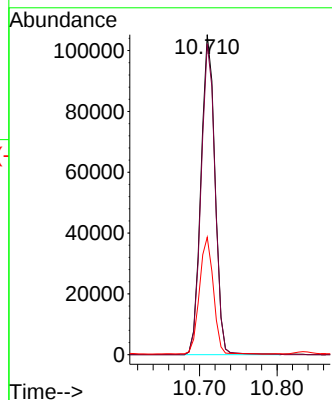
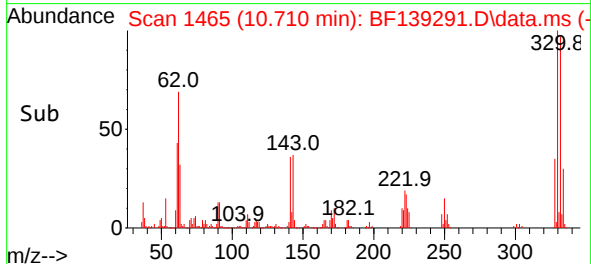


#42
2,4,6-Tribromophenol
Concen: 80.953 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

Instrument :
BNA_F
ClientSampleId :
DN-B-36

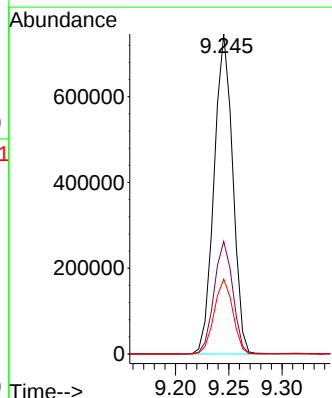
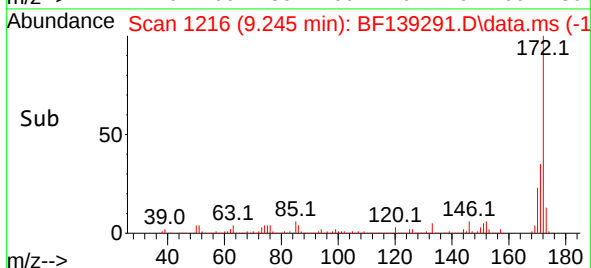
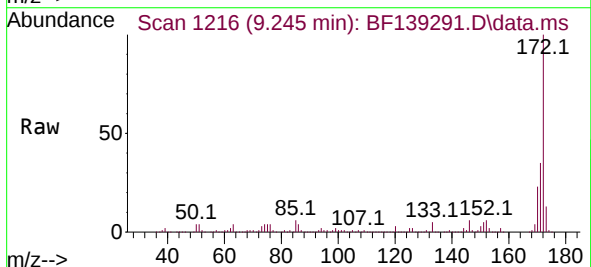


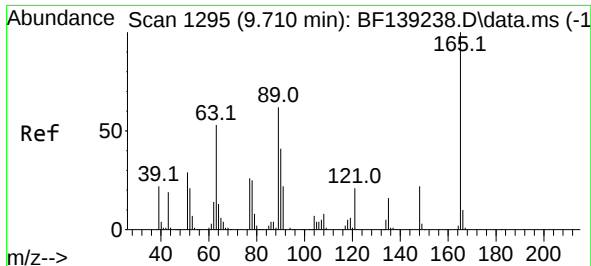
Tgt Ion:330 Resp: 132142
Ion Ratio Lower Upper
330 100
332 97.1 76.6 115.0
141 36.3 30.1 45.1



#45
2-Fluorobiphenyl
Concen: 74.244 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

Tgt Ion:172 Resp: 909184
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.4 18.7 28.1

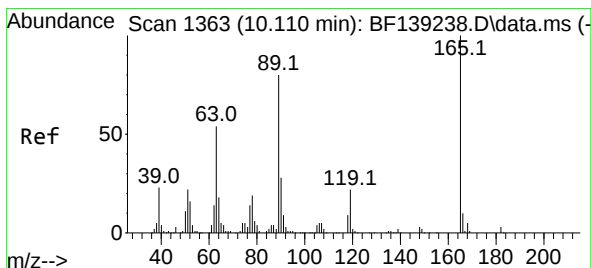
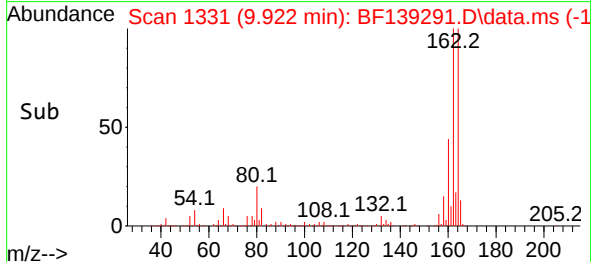
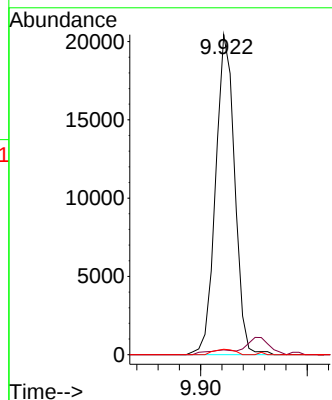
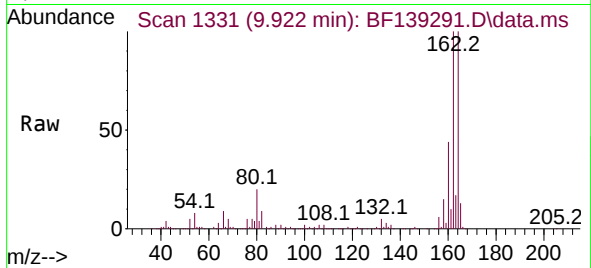




#51
2,6-Dinitrotoluene
Concen: 9.760 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

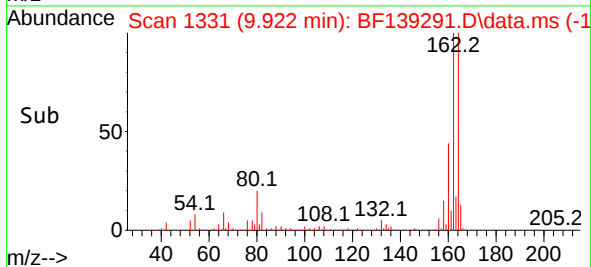
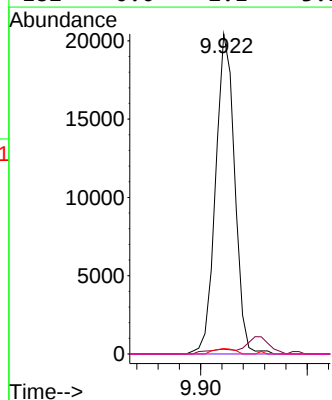
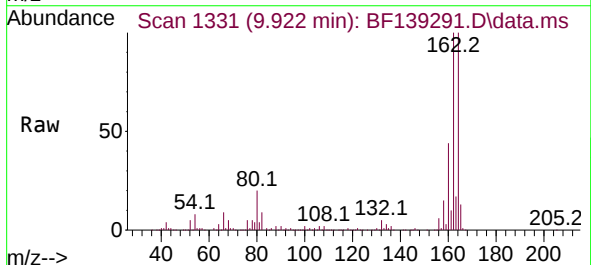
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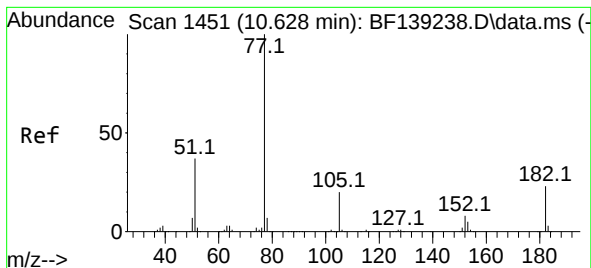
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Ion Ratio Lower Upper
165 100
63 1.5 56.1 84.1#
89 1.7 49.7 74.5#



#57
2,4-Dinitrotoluene
Concen: 7.668 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

Tgt Ion:165 Resp: 25369
Ion Ratio Lower Upper
165 100
63 1.5 43.4 65.0#
89 1.7 64.2 96.4#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 2.685 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF139291.D

Acq: 09 Sep 2024 19:19

Instrument :

BNA_F

ClientSampleId :

DN-B-36

Tgt Ion: 77 Resp: 31907

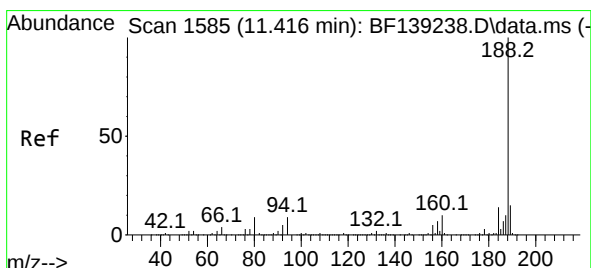
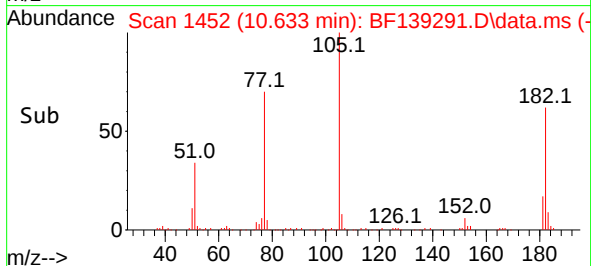
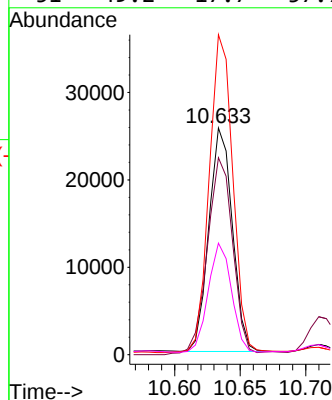
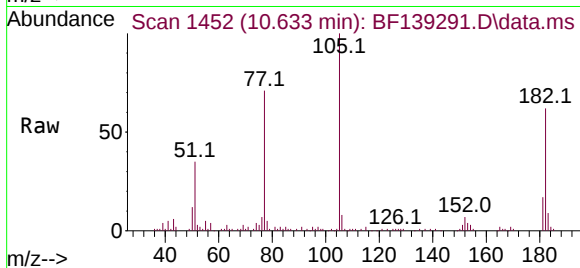
Ion Ratio Lower Upper

77 100

182 86.9 3.0 43.0#

105 141.1 0.0 39.4#

51 49.2 17.7 57.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139291.D

Acq: 09 Sep 2024 19:19

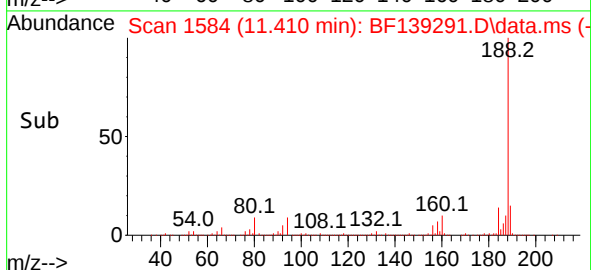
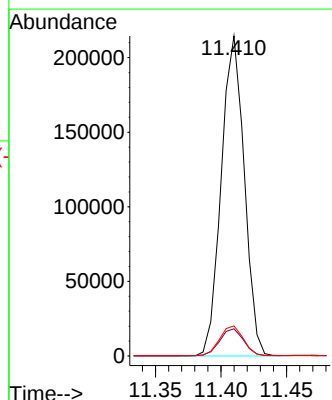
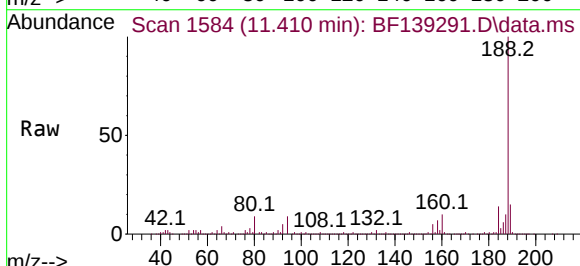
Tgt Ion: 188 Resp: 261832

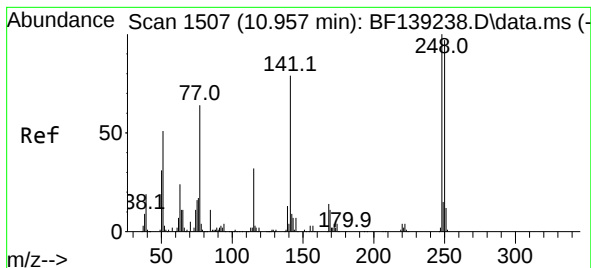
Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.4

80 9.4 7.3 10.9

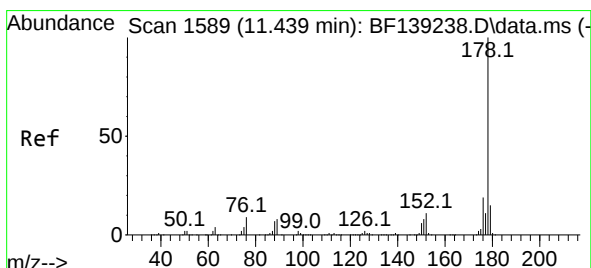
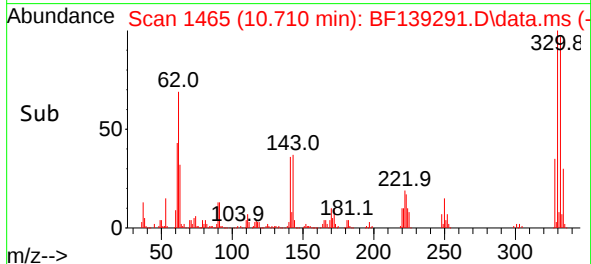
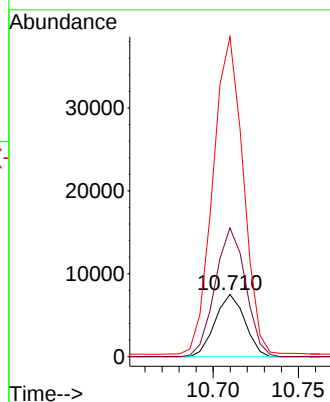
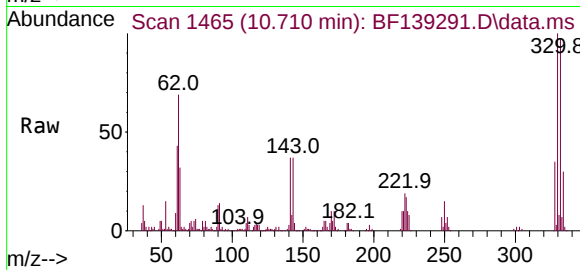




#67
4-Bromophenyl-phenylether
Concen: 3.581 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

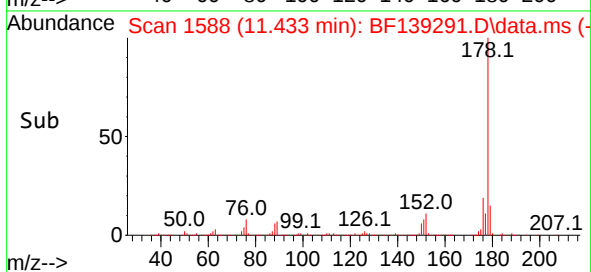
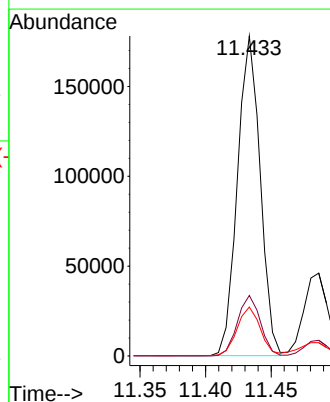
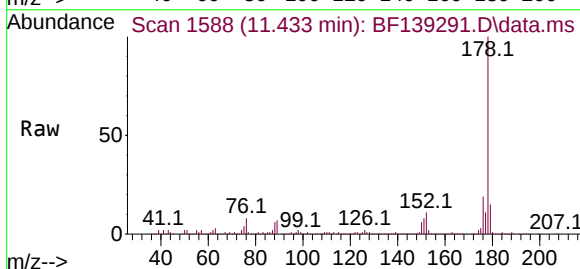
Instrument :
BNA_F
ClientSampleId :
DN-B-36

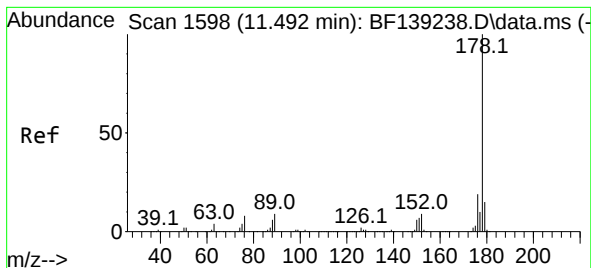
Tgt Ion:248 Resp: 9097
Ion Ratio Lower Upper
248 100
250 206.8 77.2 115.8#
141 514.2 63.6 95.4#



#71
Phenanthrene
Concen: 17.542 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

Tgt Ion:178 Resp: 214566
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.3 12.3 18.5





#72

Anthracene

Concen: 4.973 ng

RT: 11.486 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139291.D

Acq: 09 Sep 2024 19:19

Instrument :

BNA_F

ClientSampleId :

DN-B-36

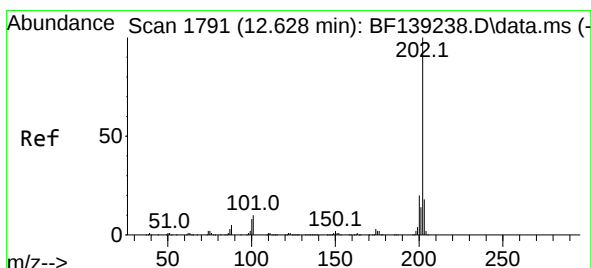
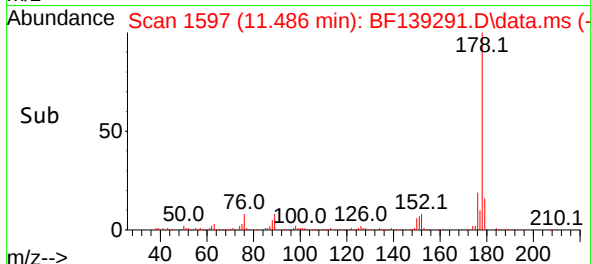
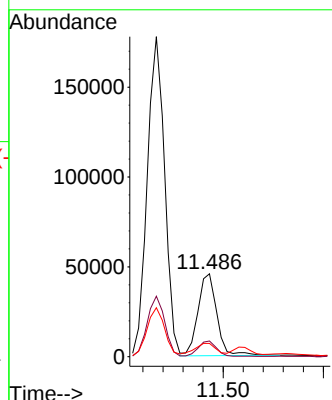
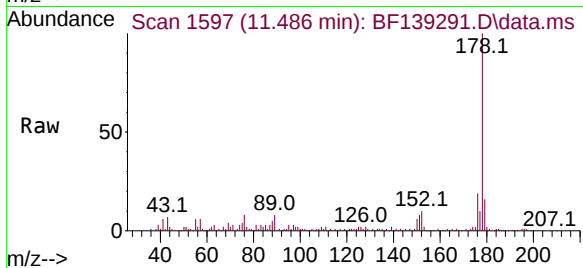
Tgt Ion:178 Resp: 59417

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

179 16.0 12.3 18.5



#75

Fluoranthene

Concen: 35.229 ng

RT: 12.621 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BF139291.D

Acq: 09 Sep 2024 19:19

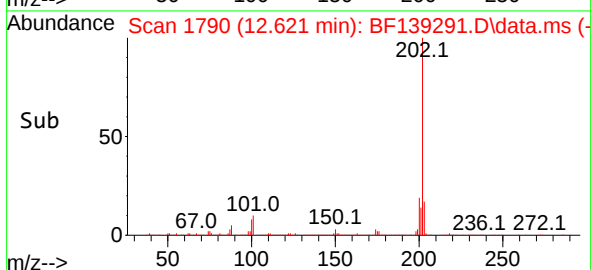
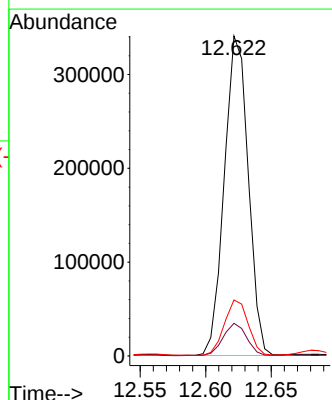
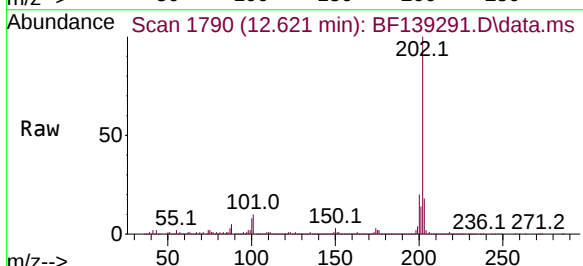
Tgt Ion:202 Resp: 432000

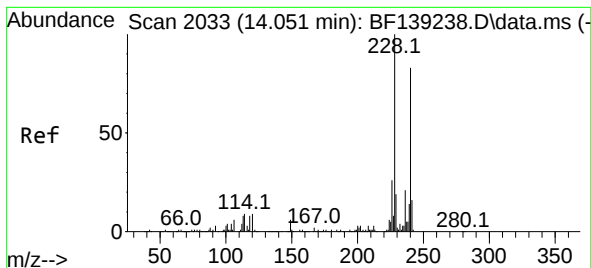
Ion Ratio Lower Upper

202 100

101 10.2 0.0 29.9

203 17.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF139291.D

Acq: 09 Sep 2024 19:19

Instrument :

BNA_F

ClientSampleId :

DN-B-36

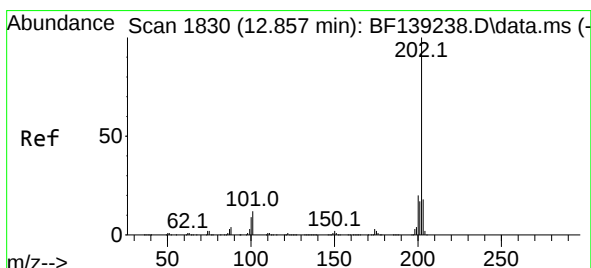
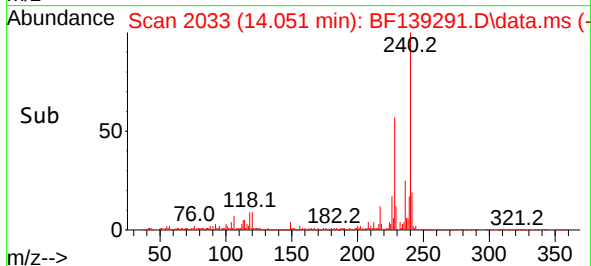
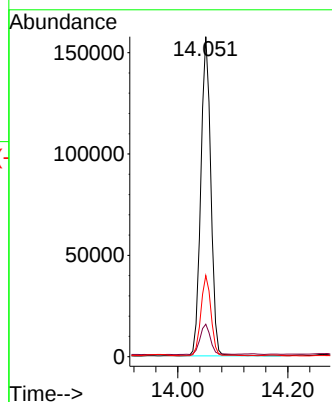
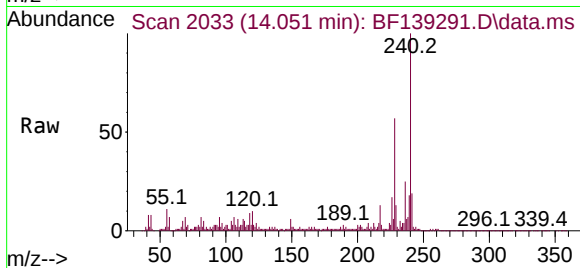
Tgt Ion:240 Resp: 199808

Ion Ratio Lower Upper

240 100

120 10.1 8.6 12.8

236 25.3 20.7 31.1



#78

Pyrene

Concen: 19.524 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139291.D

Acq: 09 Sep 2024 19:19

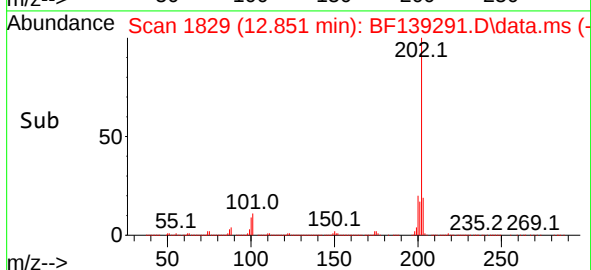
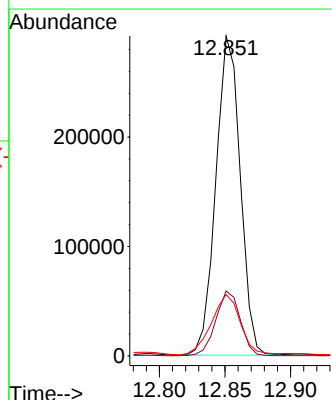
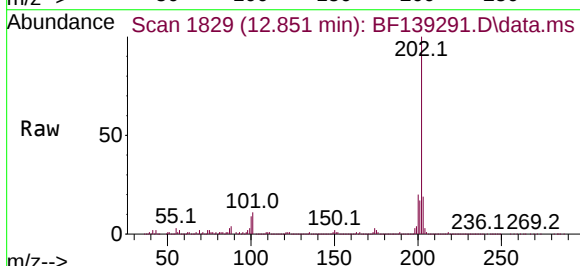
Tgt Ion:202 Resp: 376854

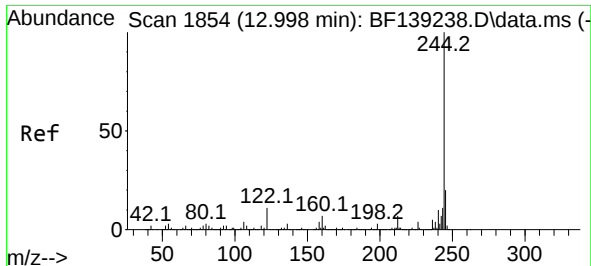
Ion Ratio Lower Upper

202 100

200 20.3 15.8 23.8

203 19.2 14.1 21.1

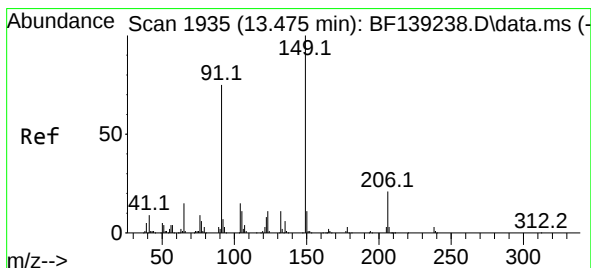
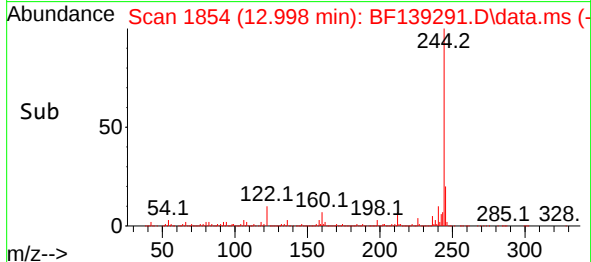
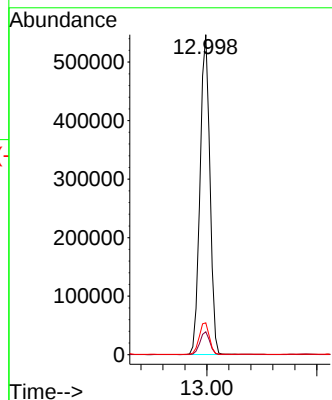
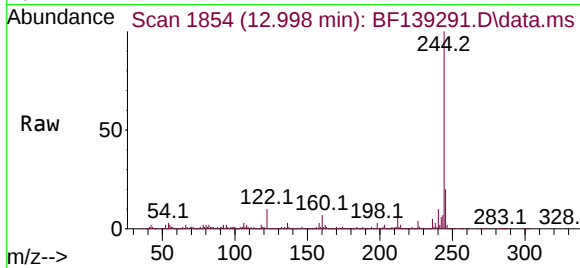




#79
 Terphenyl-d14
 Concen: 55.209 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. -0.000 min
 Lab File: BF139291.D
 Acq: 09 Sep 2024 19:19

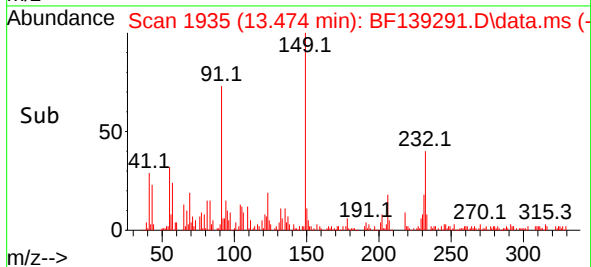
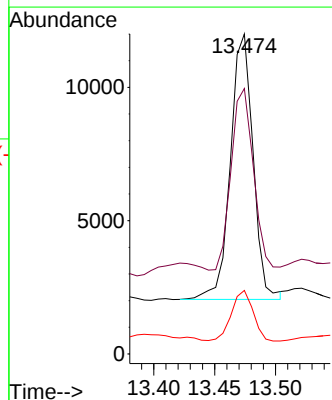
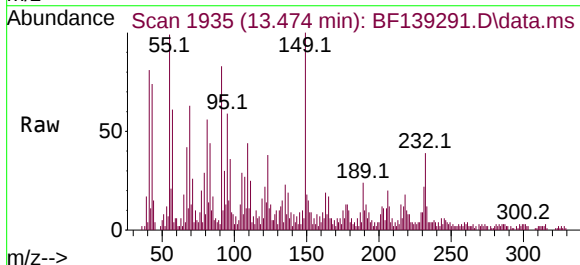
Instrument :
 BNA_F
 ClientSampleId :
 DN-B-36

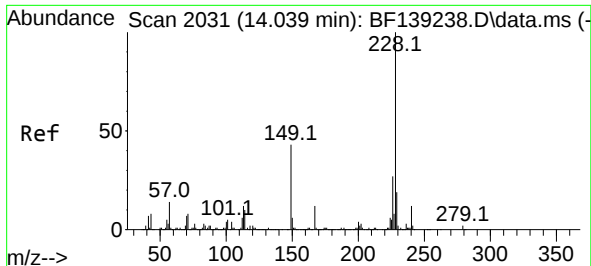
Tgt Ion:244 Resp: 683223
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 9.9 8.7 13.1



#80
 Butylbenzylphthalate
 Concen: 2.838 ng
 RT: 13.474 min Scan# 1935
 Delta R.T. -0.000 min
 Lab File: BF139291.D
 Acq: 09 Sep 2024 19:19

Tgt Ion:149 Resp: 12894
 Ion Ratio Lower Upper
 149 100
 91 82.9 60.3 90.5
 206 19.9 16.7 25.1

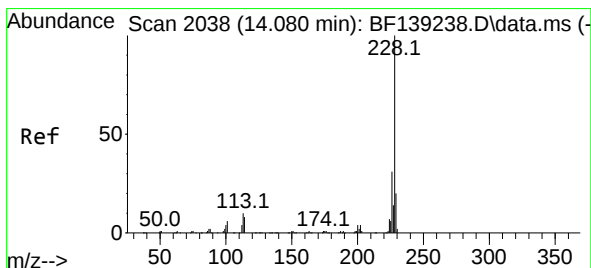
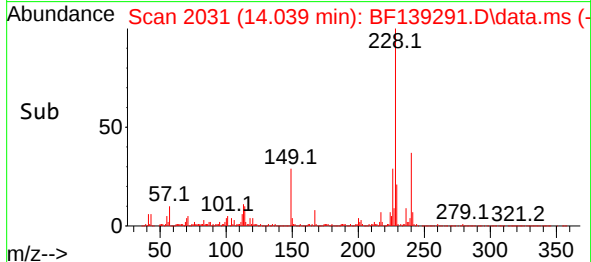
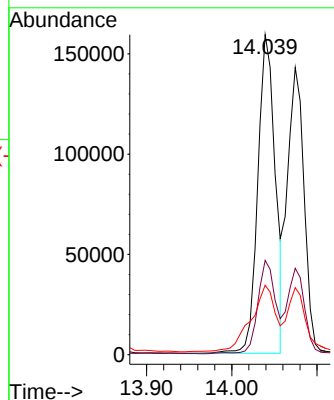
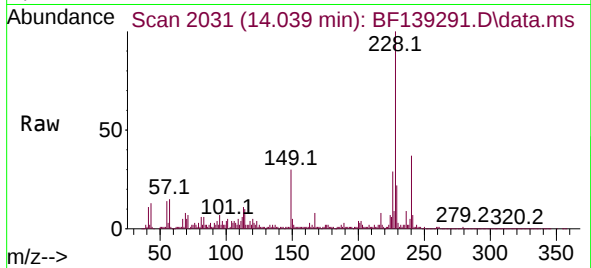




#81
Benzo(a)anthracene
Concen: 17.756 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

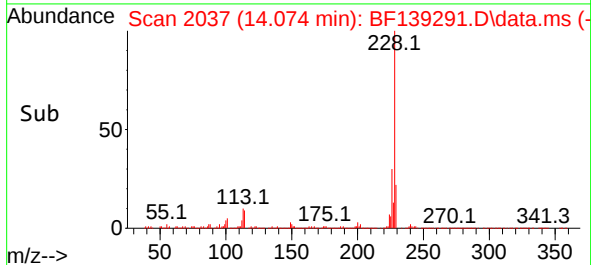
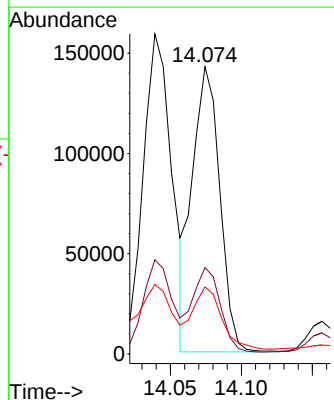
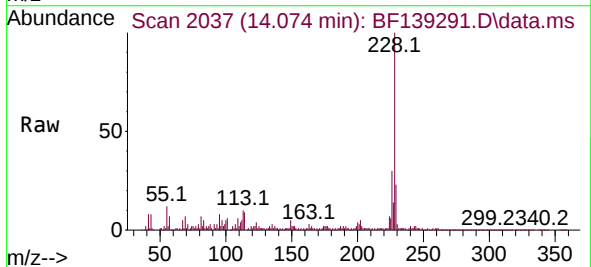
Instrument :
BNA_F
ClientSampleId :
DN-B-36

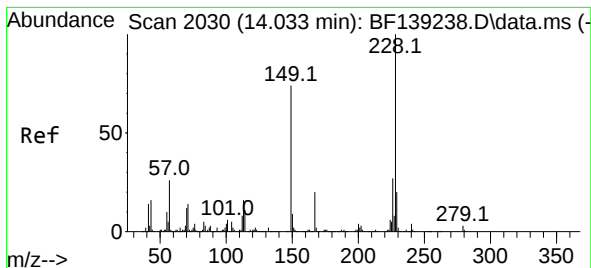
Tgt Ion:228 Resp: 226538
Ion Ratio Lower Upper
228 100
226 29.4 21.5 32.3
229 21.7 15.6 23.4



#83
Chrysene
Concen: 16.075 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

Tgt Ion:228 Resp: 191423
Ion Ratio Lower Upper
228 100
226 30.1 23.8 35.8
229 23.4 15.8 23.6

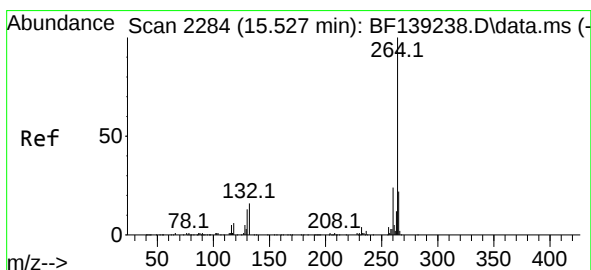
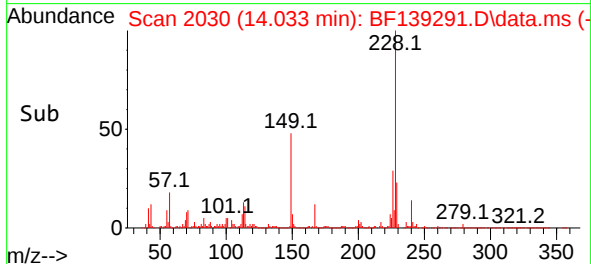
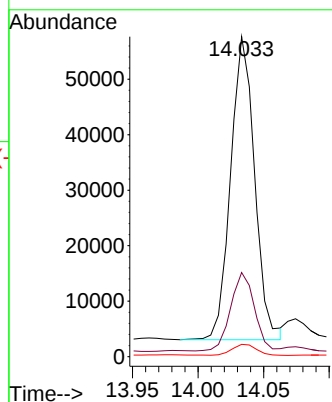
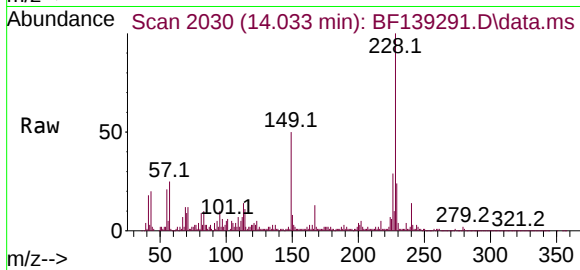




#84
Bis(2-ethylhexyl)phthalate
Concen: 13.027 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

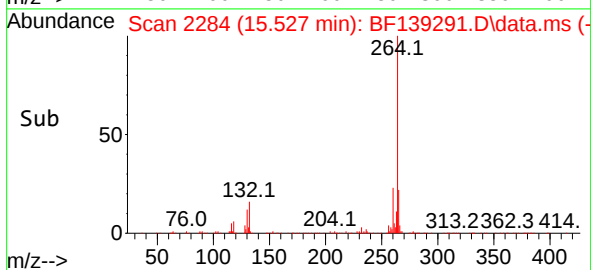
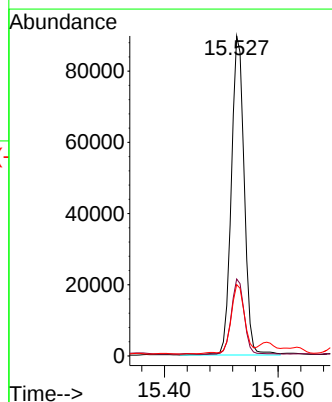
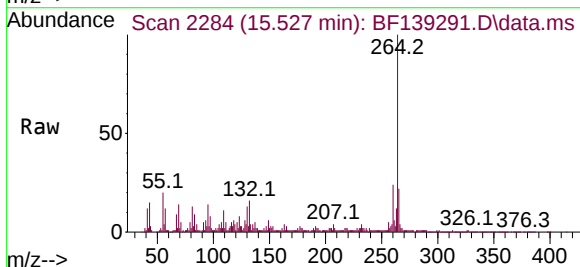
Instrument :
BNA_F
ClientSampleId :
DN-B-36

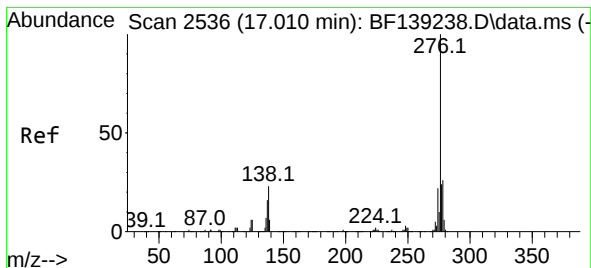
Tgt Ion:149 Resp: 69473
Ion Ratio Lower Upper
149 100
167 26.3 21.8 32.6
279 3.9 3.0 4.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

Tgt Ion:264 Resp: 140960
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 22.3 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.393 ng

RT: 17.004 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139291.D

Acq: 09 Sep 2024 19:19

Instrument :

BNA_F

ClientSampleId :

DN-B-36

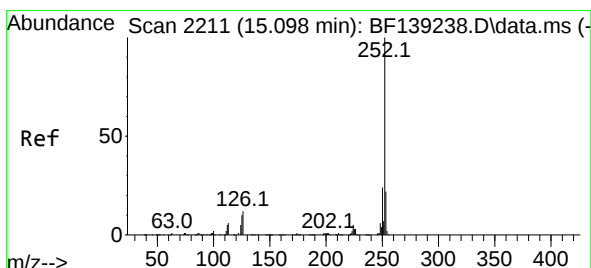
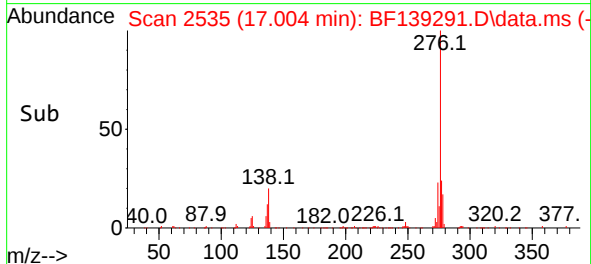
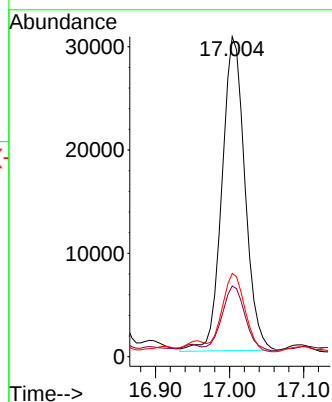
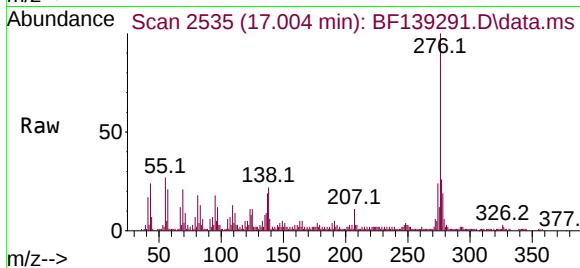
Tgt Ion:276 Resp: 65104

Ion Ratio Lower Upper

276 100

138 20.8 20.4 30.6

277 25.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 32.047 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF139291.D

Acq: 09 Sep 2024 19:19

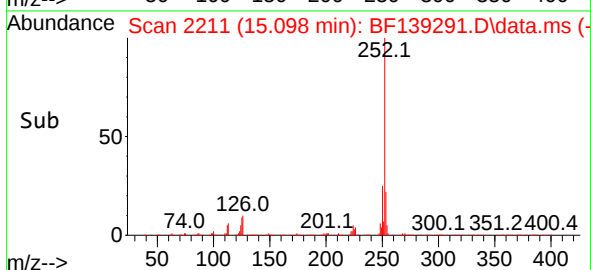
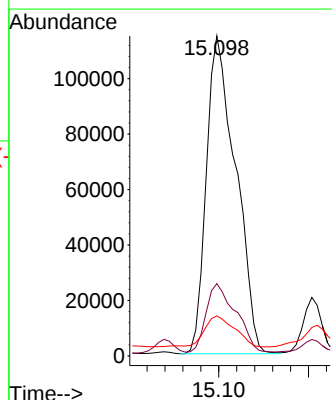
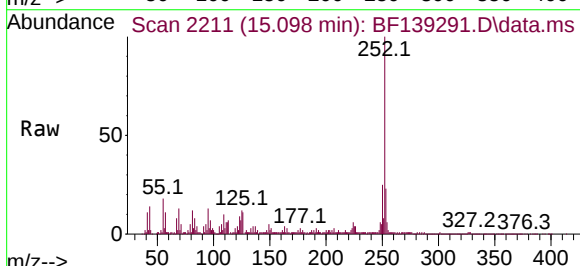
Tgt Ion:252 Resp: 260149

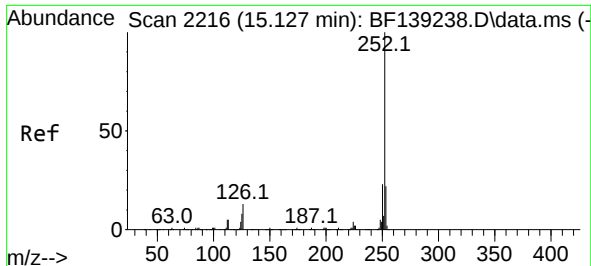
Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 12.5 7.6 11.4#

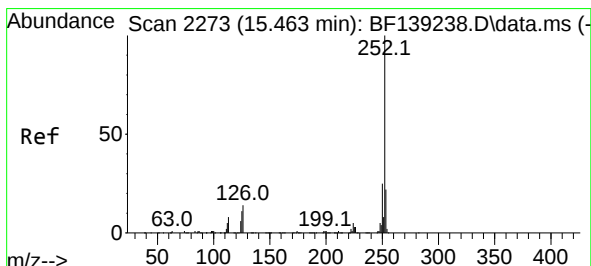
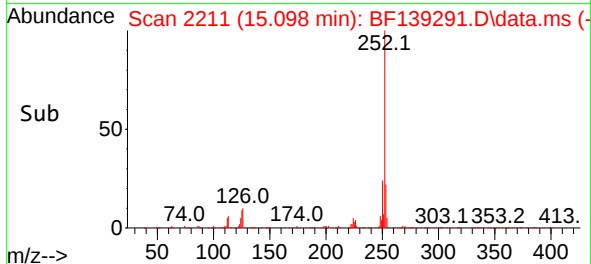
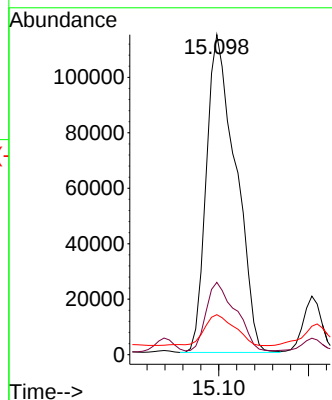
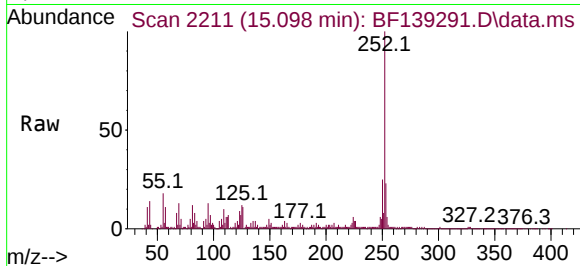




#89
Benzo(k)fluoranthene
Concen: 35.741 ng
RT: 15.098 min Scan# 211
Delta R.T. -0.030 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

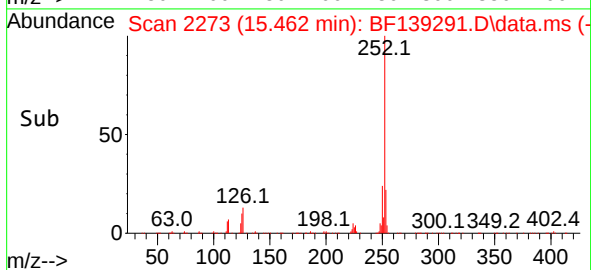
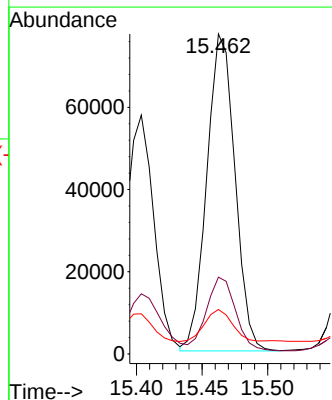
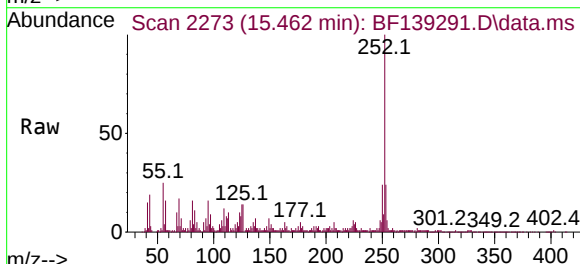
Instrument :
BNA_F
ClientSampleId :
DN-B-36

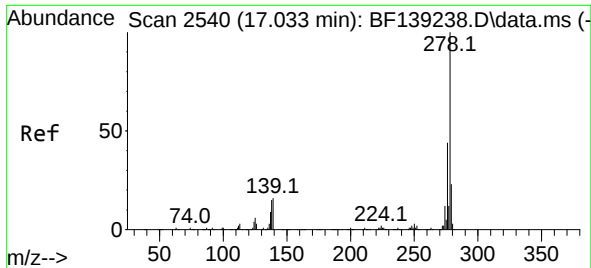
Tgt Ion:252 Resp: 260149
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 12.5 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 16.738 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF139291.D
Acq: 09 Sep 2024 19:19

Tgt Ion:252 Resp: 115375
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 13.9 8.6 13.0#

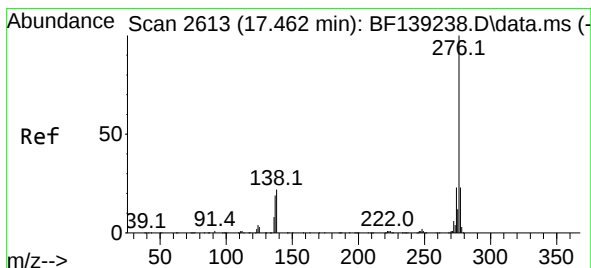
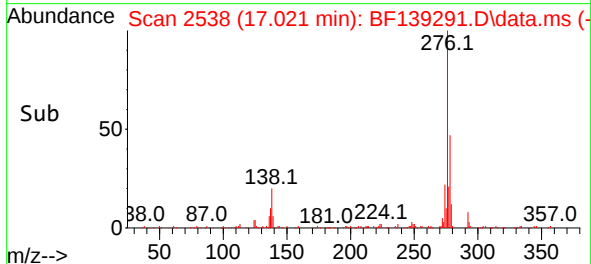
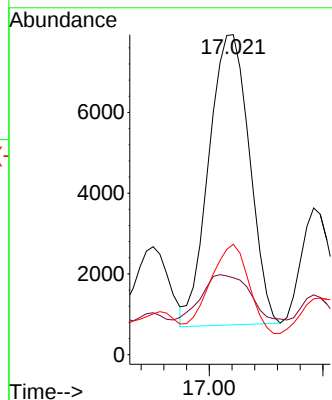
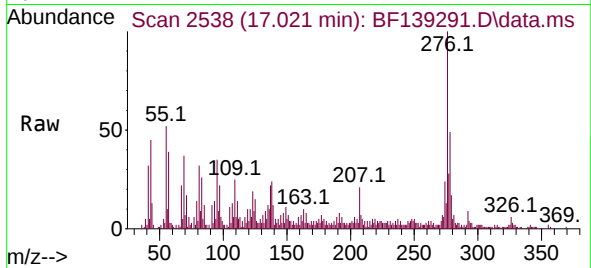




#91
 Dibenzo(a,h)anthracene
 Concen: 2.458 ng
 RT: 17.021 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF139291.D
 Acq: 09 Sep 2024 19:19

Instrument :
 BNA_F
 ClientSampleId :
 DN-B-36

Tgt Ion:278 Resp: 17837
 Ion Ratio Lower Upper
 278 100
 139 24.1 12.6 19.0#
 279 34.5 18.6 28.0#



#92
 Benzo(g,h,i)perylene
 Concen: 8.498 ng
 RT: 17.456 min Scan# 2612
 Delta R.T. -0.006 min
 Lab File: BF139291.D
 Acq: 09 Sep 2024 19:19

Tgt Ion:276 Resp: 63658
 Ion Ratio Lower Upper
 276 100
 277 25.1 18.6 27.8
 138 20.8 17.4 26.0

