

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140562.D
 Acq On : 22 Nov 2024 03:06
 Operator : RC/JU
 Sample : P4929-01 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS520

Quant Time: Nov 22 03:32:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

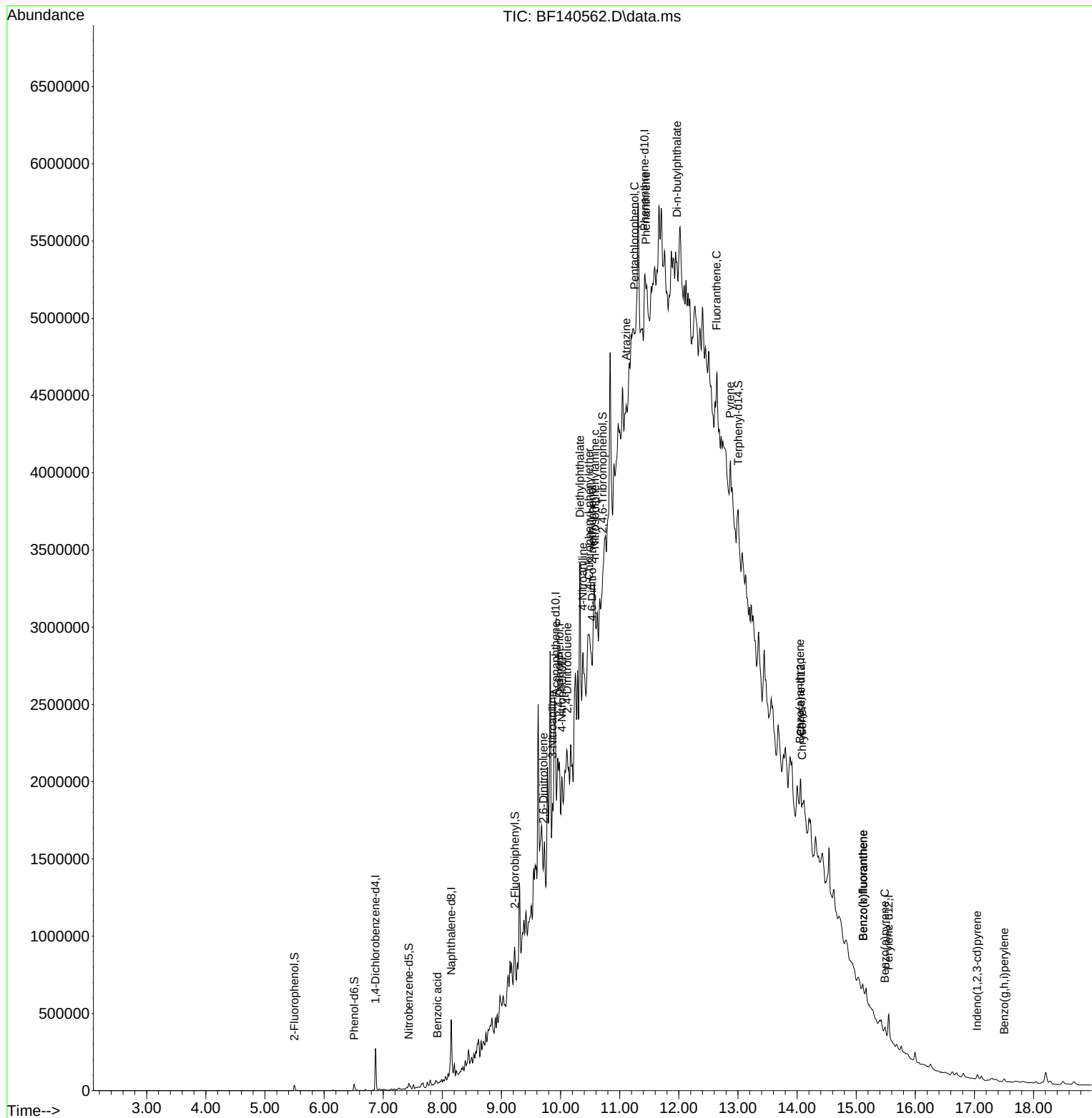
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	59772	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	210069	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	90615	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	130462	20.000	ng	# 0.02
76) Chrysene-d12	14.063	240	100932	20.000	ng	# 0.01
86) Perylene-d12	15.551	264	82879	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	17362	4.956	ng	0.00
7) Phenol-d6	6.510	99	24234	5.233	ng	0.00
23) Nitrobenzene-d5	7.434	82	17449	4.249	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	5337	5.507	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	38052	6.257	ng	0.00
79) Terphenyl-d14	13.004	244	30964	4.777	ng	0.01
Target Compounds						Qvalue
32) Benzoic acid	7.916	122	567	7.438	ng	# 1
51) 2,6-Dinitrotoluene	9.710	165	7939	5.866	ng	# 33
53) 3-Nitroaniline	9.863	138	10358	7.825	ng	# 26
54) 2,4-Dinitrophenol	9.980	184	382	8.315	ng	# 1
56) 4-Nitrophenol	10.022	139	2427	2.688	ng	# 1
57) 2,4-Dinitrotoluene	10.116	165	4094	2.276	ng	# 51
60) Diethylphthalate	10.327	149	14433	2.380	ng	# 24
61) 4-Chlorophenyl-phenyle...	10.480	204	6785	2.295	ng	# 1
62) 4-Nitroaniline	10.374	138	19119	13.771	ng	# 87
65) 4,6-Dinitro-2-methylph...	10.533	198	1369	2.053	ng	# 1
66) n-Nitrosodiphenylamine	10.580	169	22445	5.818	ng	# 61
69) Atrazine	11.110	200	4767	4.392	ng	# 1
70) Pentachlorophenol	11.251	266	2915	4.257	ng	# 6
71) Phenanthrene	11.445	178	63274	10.090	ng	# 52
74) Di-n-butylphthalate	11.969	149	21982	3.226	ng	# 34
75) Fluoranthene	12.639	202	100046	14.693	ng	# 79
78) Pyrene	12.868	202	78631	8.426	ng	# 85
81) Benzo(a)anthracene	14.051	228	29482	4.413	ng	# 89
83) Chrysene	14.086	228	34856	5.705	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.045	276	14419	2.670	ng	# 95
88) Benzo(b)fluoranthene	15.115	252	53803	10.335	ng	# 65
89) Benzo(k)fluoranthene	15.115	252	53803	11.811	ng	# 67
90) Benzo(a)pyrene	15.486	252	19486	4.604	ng	# 63
92) Benzo(g,h,i)perylene	17.503	276	15400	3.412	ng	# 96

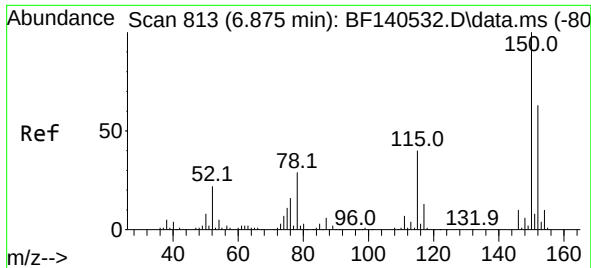
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
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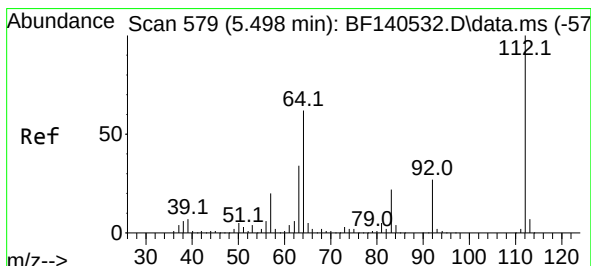
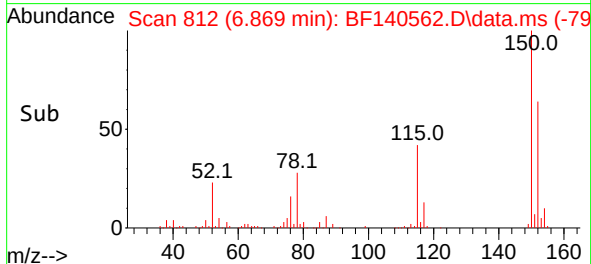
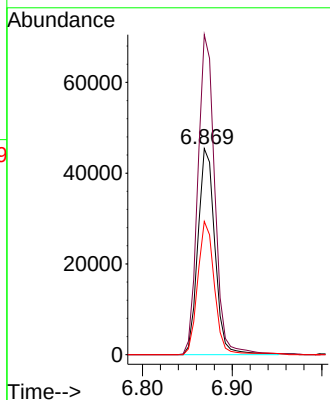
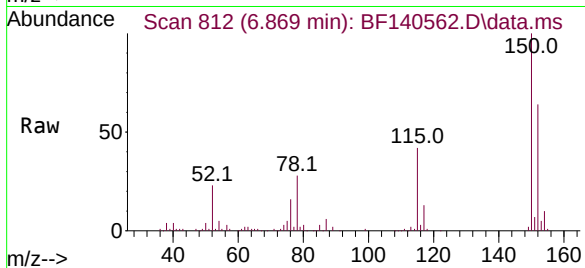




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

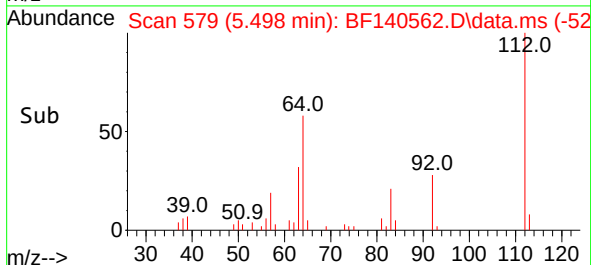
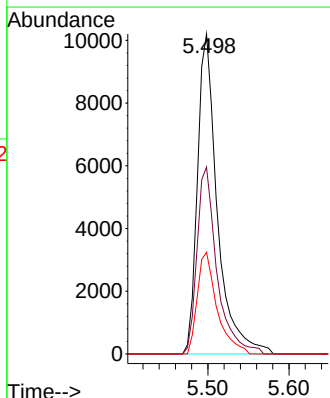
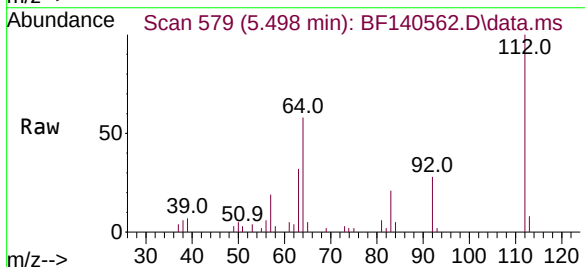
Instrument :
BNA_F
ClientSampleId :
ARS520

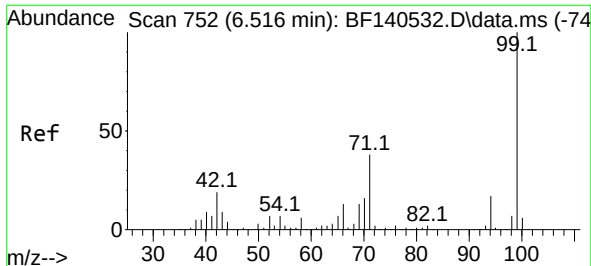
Tgt Ion:152 Resp: 59772
Ion Ratio Lower Upper
152 100
150 155.2 128.5 192.7
115 64.7 50.2 75.4



#5
2-Fluorophenol
Concen: 4.956 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

Tgt Ion:112 Resp: 17362
Ion Ratio Lower Upper
112 100
64 58.4 49.2 73.8
63 31.8 27.0 40.4





#7

Phenol-d6

Concen: 5.233 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Instrument :

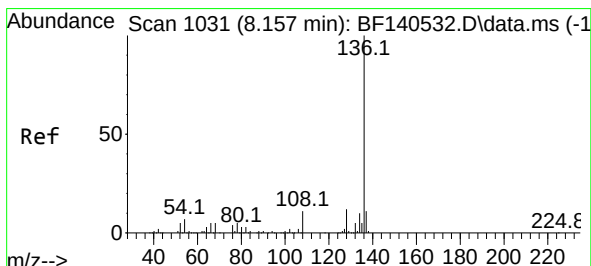
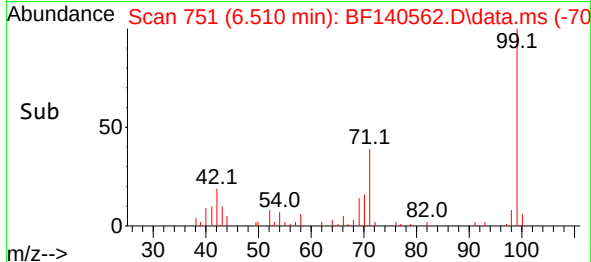
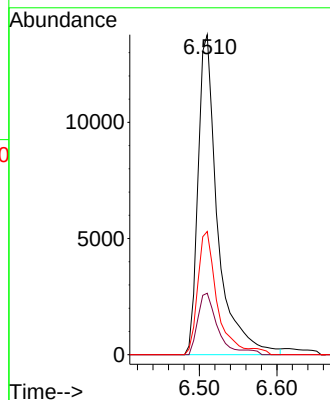
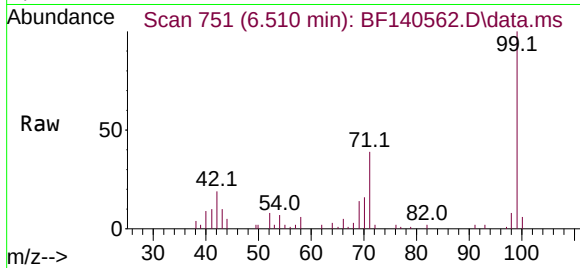
BNA_F

ClientSampleId :

ARS520

Tgt Ion: 99 Resp: 24234

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.4	23.0
71	38.5	30.6	46.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1030

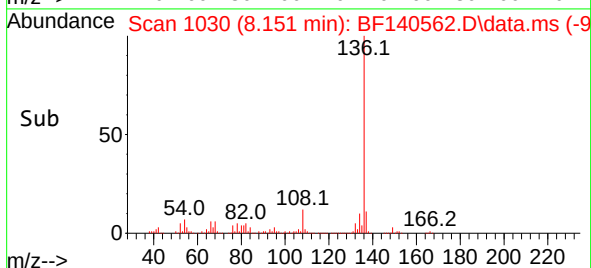
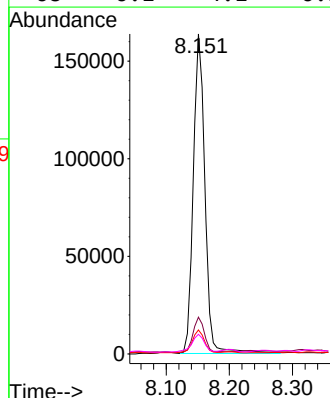
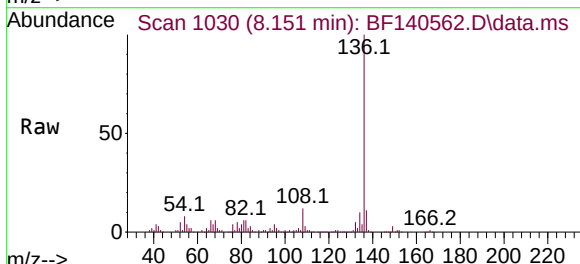
Delta R.T. -0.006 min

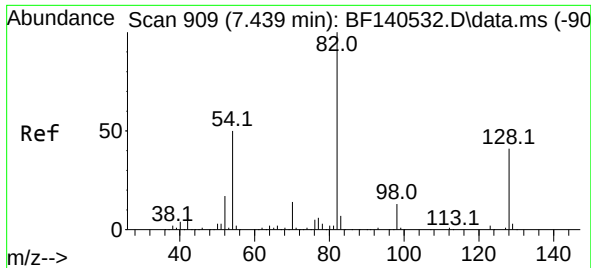
Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Tgt Ion: 136 Resp: 210069

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.6	13.0
54	7.5	5.8	8.8
68	6.1	4.1	6.1

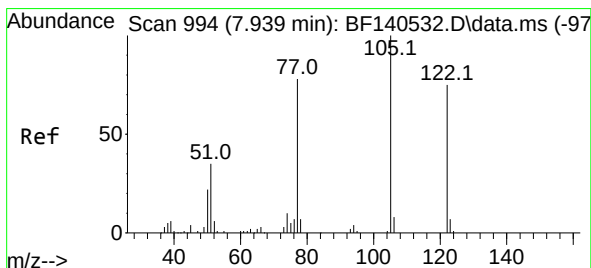
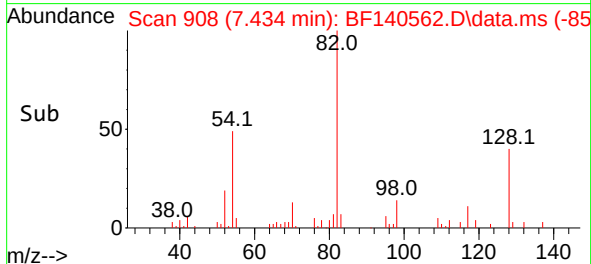
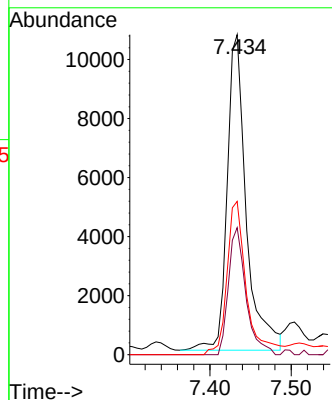
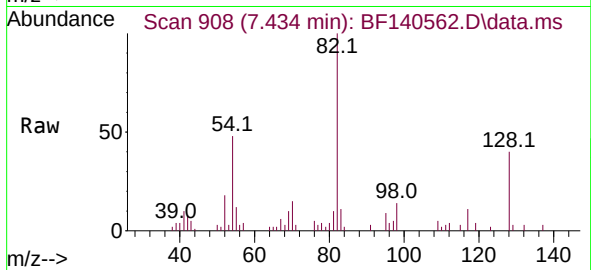




#23
Nitrobenzene-d5
Concen: 4.249 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

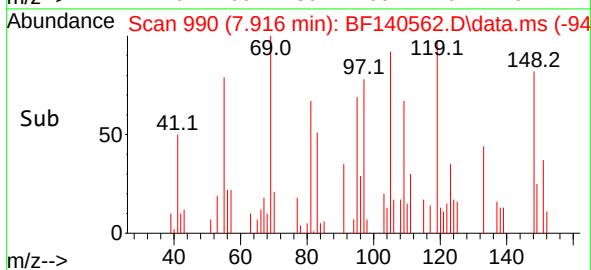
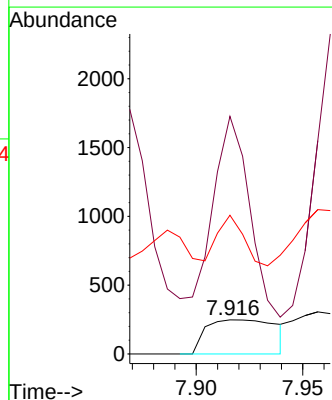
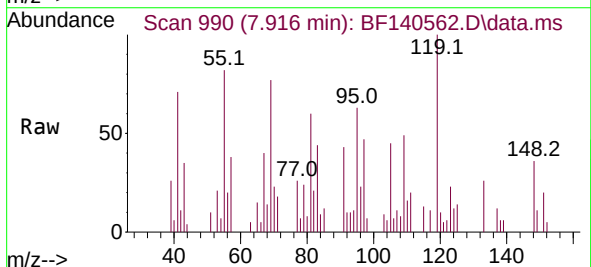
Instrument :
BNA_F
ClientSampleId :
ARS520

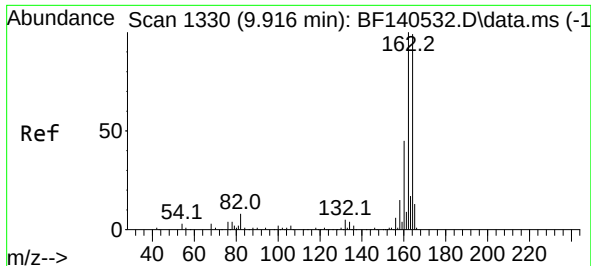
Tgt Ion: 82 Resp: 17449
Ion Ratio Lower Upper
82 100
128 39.7 33.0 49.4
54 47.9 39.5 59.3



#32
Benzoic acid
Concen: 7.438 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.023 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

Tgt Ion:122 Resp: 567
Ion Ratio Lower Upper
122 100
105 698.8 109.3 149.3#
77 408.1 82.3 122.3#

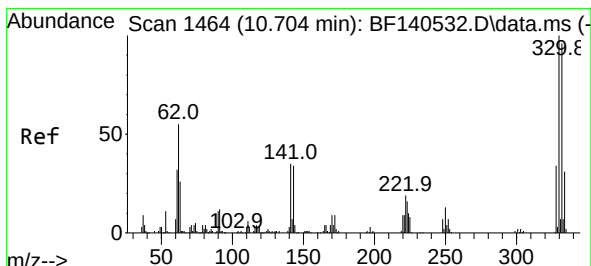
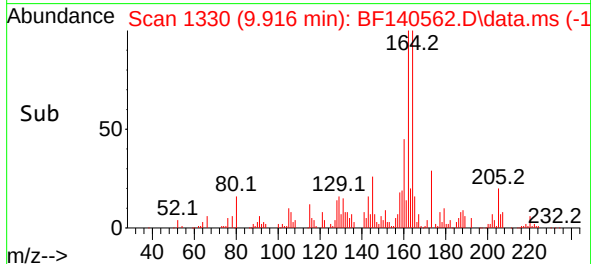
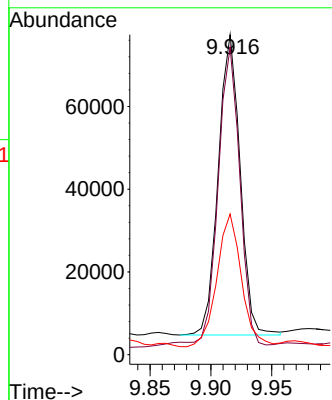
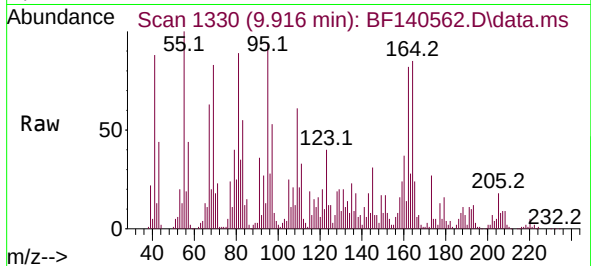




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

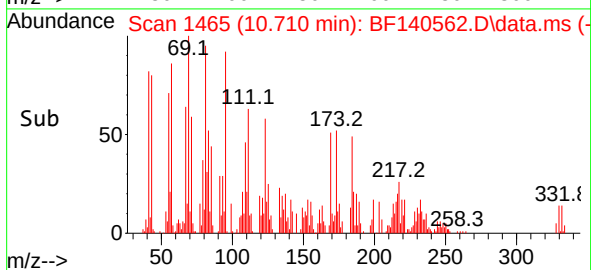
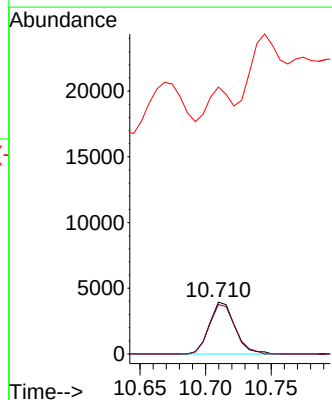
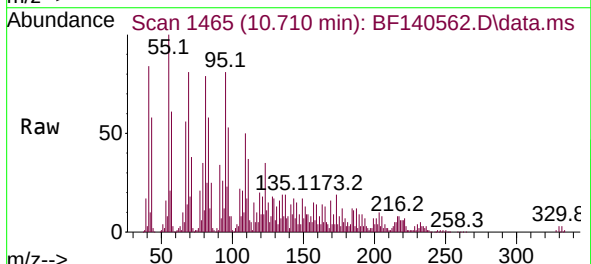
Instrument :
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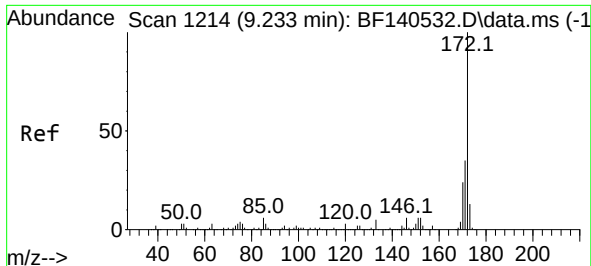
Tgt Ion:164 Resp: 90615
Ion Ratio Lower Upper
164 100
162 96.0 80.6 120.8
160 44.0 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 5.507 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

Tgt Ion:330 Resp: 5337
Ion Ratio Lower Upper
330 100
332 97.1 76.9 115.3
141 55.1 26.7 40.1#

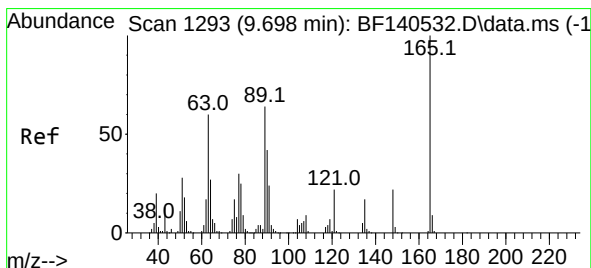
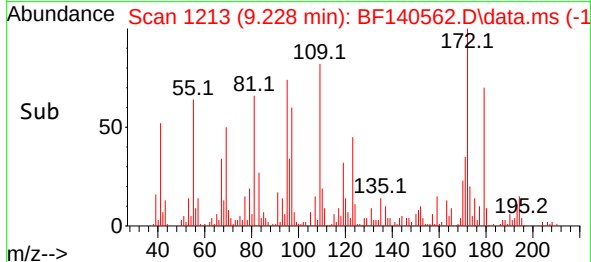
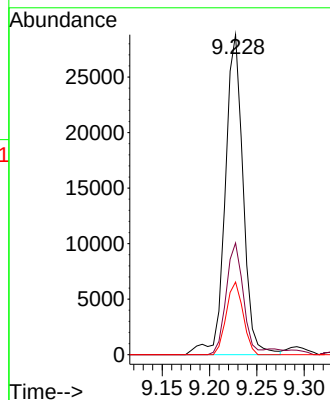
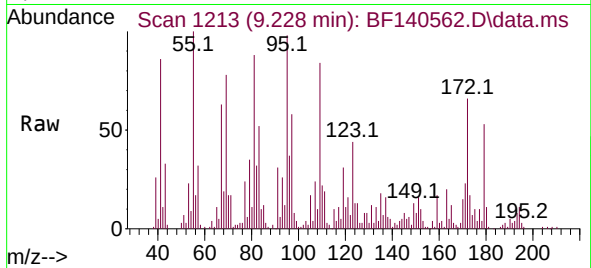




#45
2-Fluorobiphenyl
Concen: 6.257 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

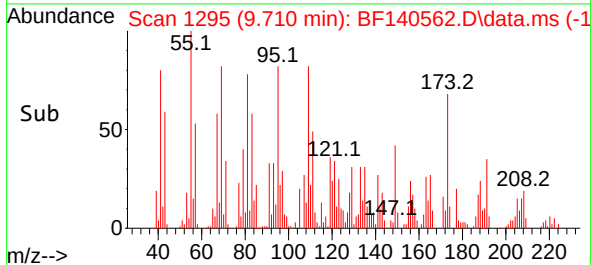
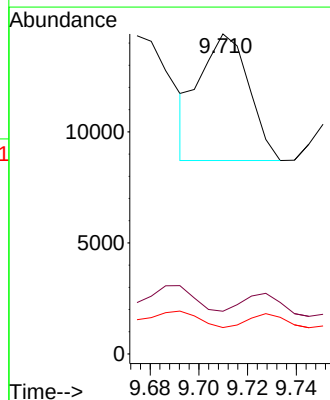
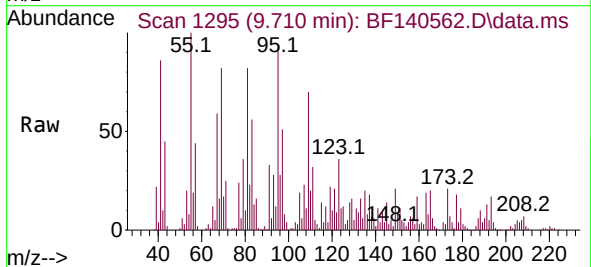
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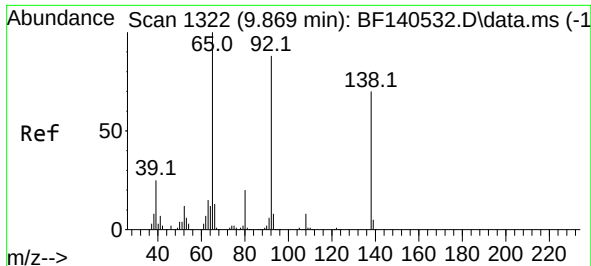
Tgt Ion:172 Resp: 38052
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 22.7 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 5.866 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.012 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

Tgt Ion:165 Resp: 7939
Ion Ratio Lower Upper
165 100
63 13.4 49.9 74.9#
89 8.2 50.9 76.3#

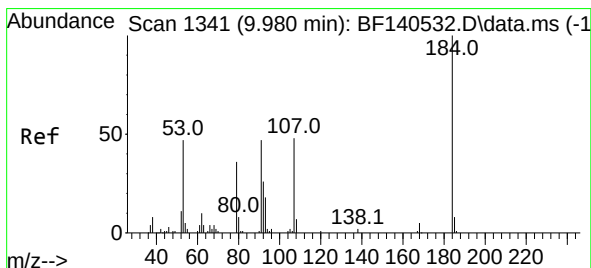
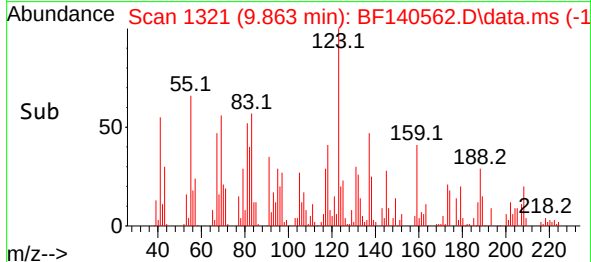
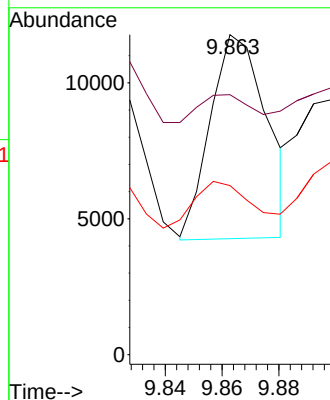
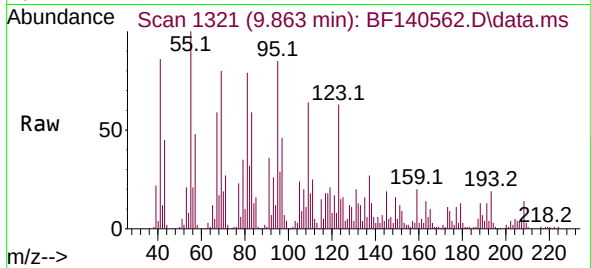




#53
3-Nitroaniline
Concen: 7.825 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

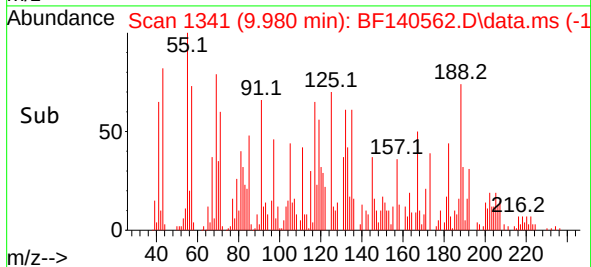
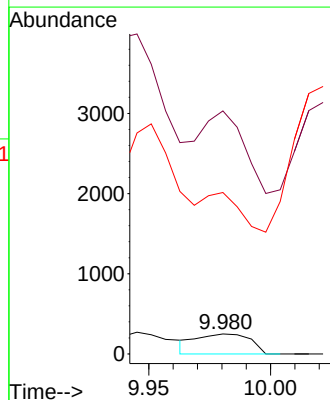
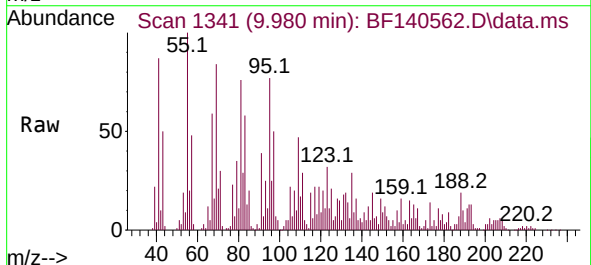
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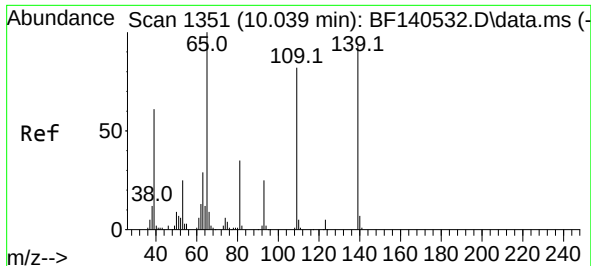
Tgt Ion:138 Resp: 10358
Ion Ratio Lower Upper
138 100
108 81.3 9.2 13.8#
92 52.8 100.6 150.8#



#54
2,4-Dinitrophenol
Concen: 8.315 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

Tgt Ion:184 Resp: 382
Ion Ratio Lower Upper
184 100
63 1212.8 54.1 81.1#
154 805.6 57.4 86.0#

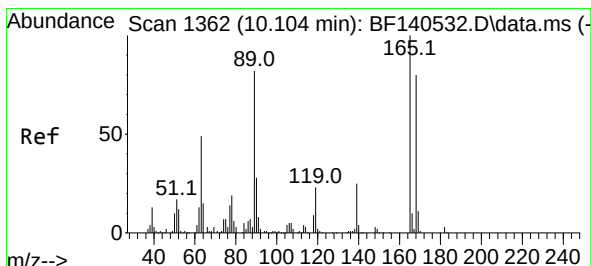
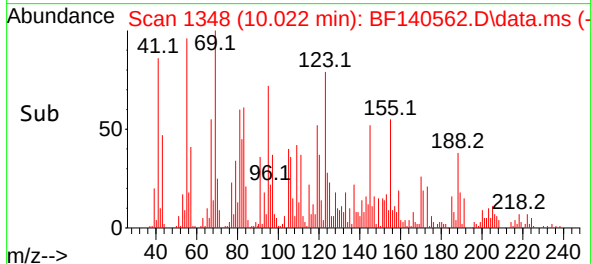
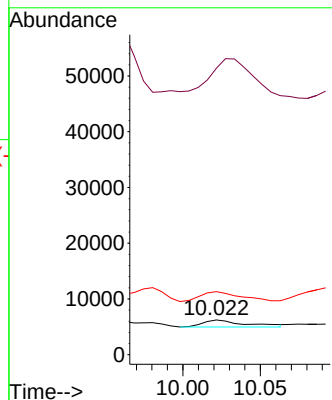
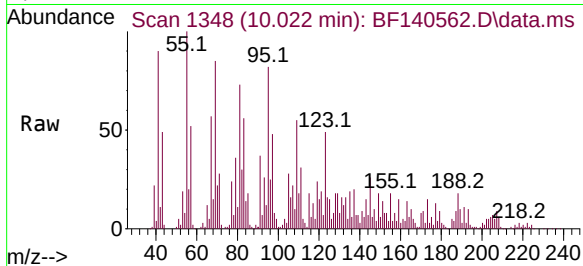




#56
4-Nitrophenol
Concen: 2.688 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.017 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

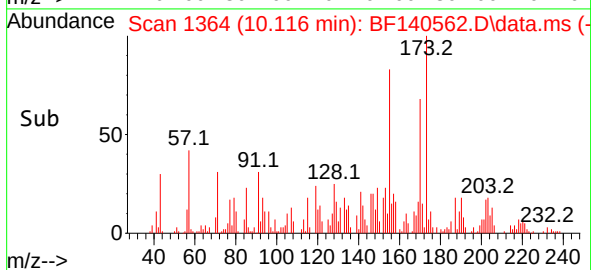
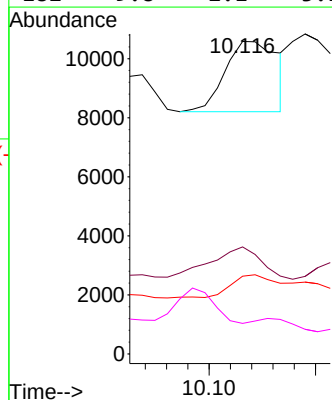
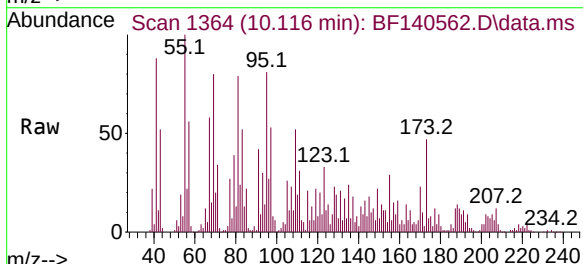
Instrument :
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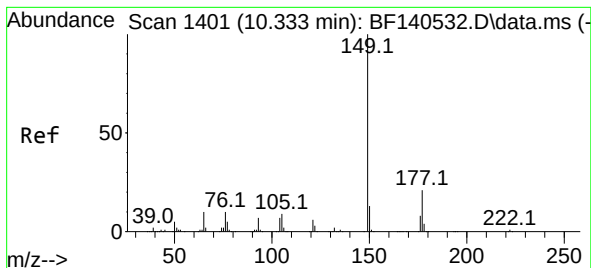
Tgt Ion:139 Resp: 2427
Ion Ratio Lower Upper
139 100
109 824.5 68.4 108.4#
65 181.4 88.6 128.6#



#57
2,4-Dinitrotoluene
Concen: 2.276 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.012 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

Tgt Ion:165 Resp: 4094
Ion Ratio Lower Upper
165 100
63 34.3 41.7 62.5#
89 24.9 65.8 98.8#
182 9.8 2.1 3.1#





#60

Diethylphthalate

Concen: 2.380 ng

RT: 10.327 min Scan# 1400

Delta R.T. -0.006 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Instrument :

BNA_F

ClientSampleId :

ARS520

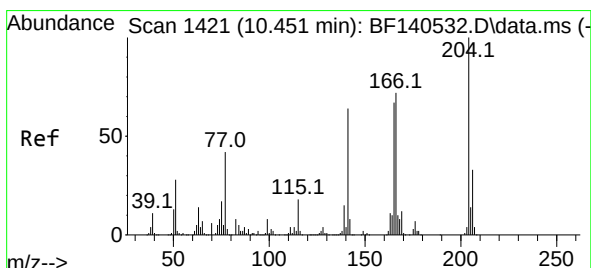
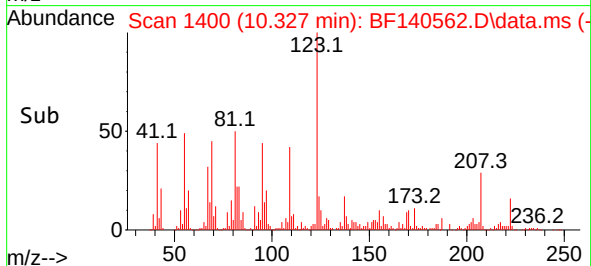
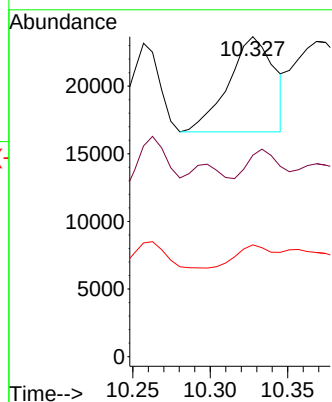
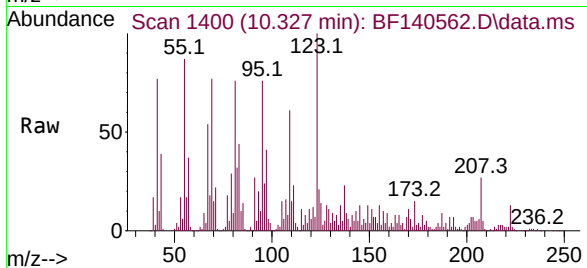
Tgt Ion:149 Resp: 14433

Ion Ratio Lower Upper

149 100

177 62.9 17.1 25.7#

150 35.0 10.1 15.1#



#61

4-Chlorophenyl-phenylether

Concen: 2.295 ng

RT: 10.480 min Scan# 1426

Delta R.T. 0.029 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

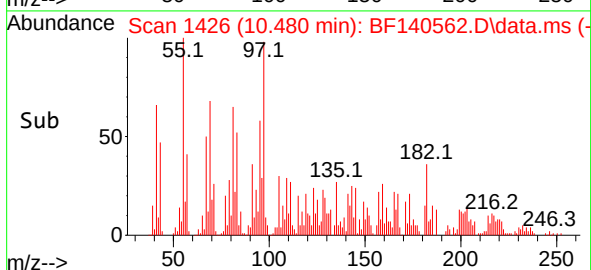
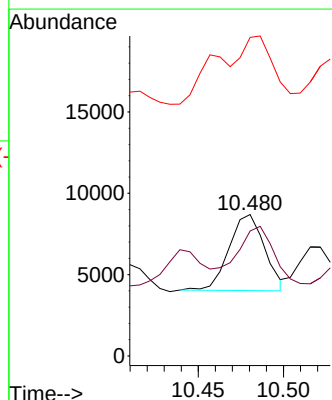
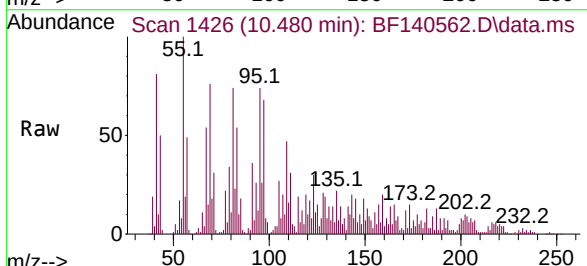
Tgt Ion:204 Resp: 6785

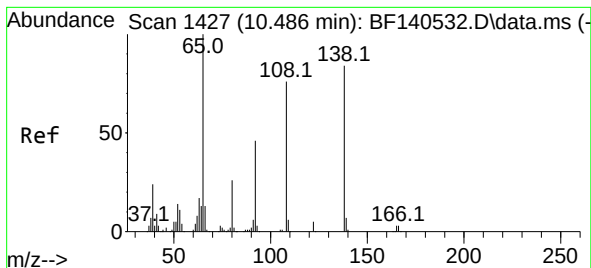
Ion Ratio Lower Upper

204 100

206 88.3 26.6 40.0#

141 225.1 51.1 76.7#

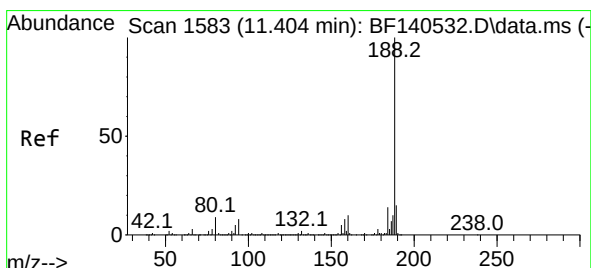
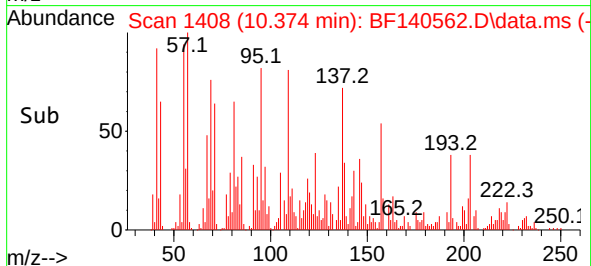
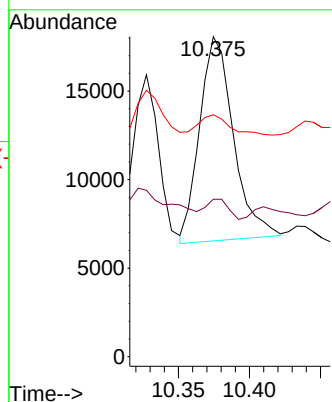
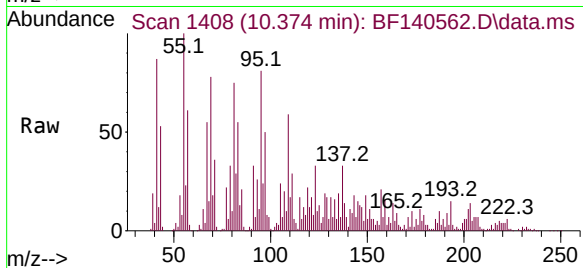




#62
4-Nitroaniline
Concen: 13.771 ng
RT: 10.374 min Scan# 1427
Delta R.T. -0.112 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

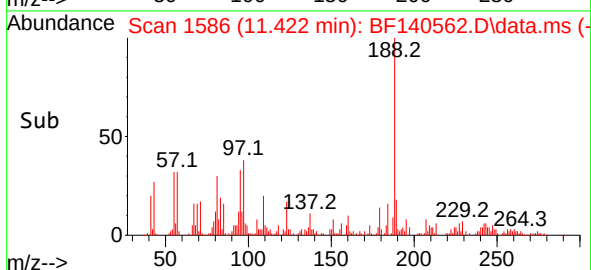
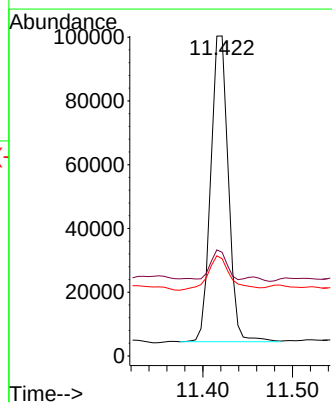
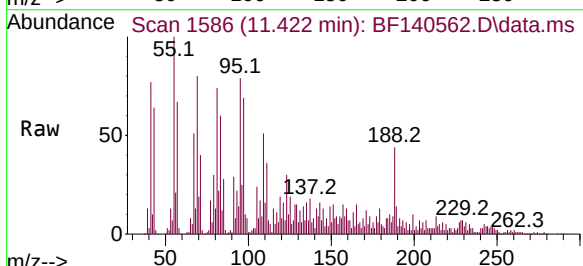
Instrument :
BNA_F
ClientSampleId :
ARS520

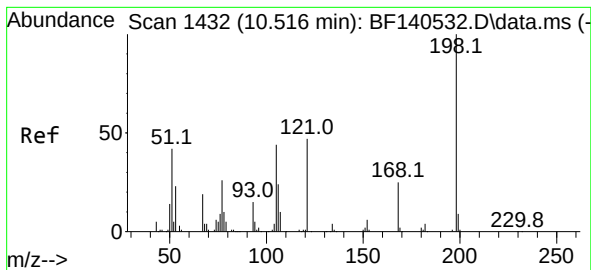
Tgt Ion:138 Resp: 19119
Ion Ratio Lower Upper
138 100
92 49.2 34.5 74.5
108 75.6 70.6 110.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.018 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

Tgt Ion:188 Resp: 130462
Ion Ratio Lower Upper
188 100
94 32.4 6.4 9.6#
80 30.4 6.9 10.3#

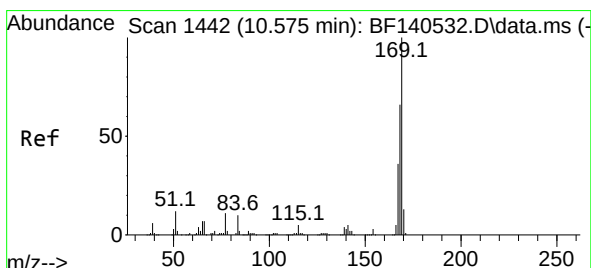
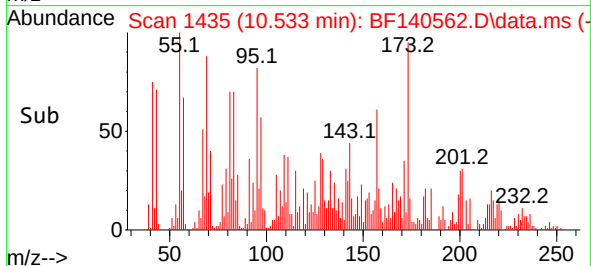
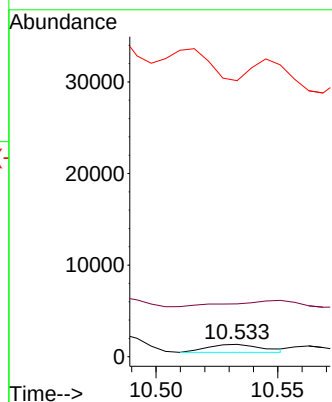
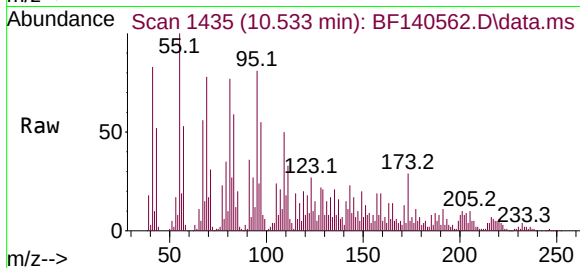




#65
4,6-Dinitro-2-methylphenol
Concen: 2.053 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.017 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

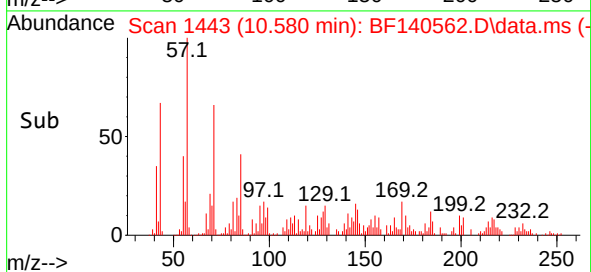
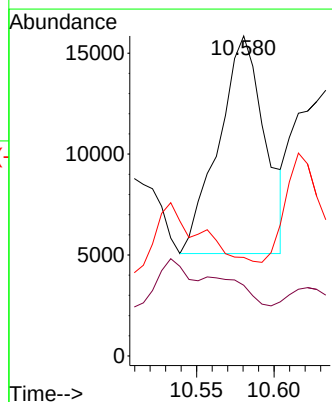
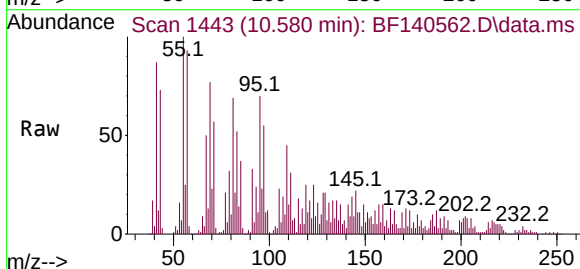
Instrument :
BNA_F
ClientSampleId :
ARS520

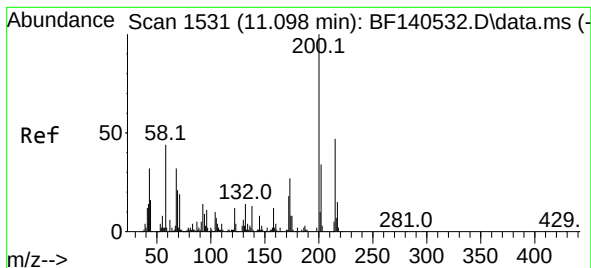
Tgt Ion:198 Resp: 1369
Ion Ratio Lower Upper
198 100
51 425.9 29.4 69.4#
105 2227.3 25.4 65.4#



#66
n-Nitrosodiphenylamine
Concen: 5.818 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

Tgt Ion:169 Resp: 22445
Ion Ratio Lower Upper
169 100
168 22.1 53.2 79.8#
167 30.8 29.0 43.6





#69

Atrazine

Concen: 4.392 ng

RT: 11.110 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Instrument :

BNA_F

ClientSampleId :

ARS520

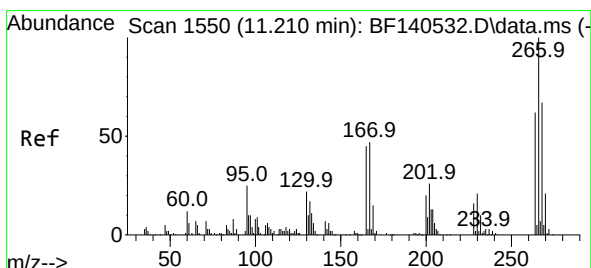
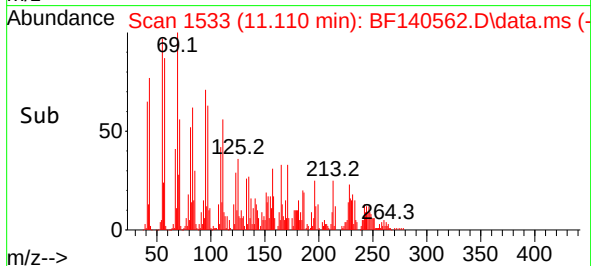
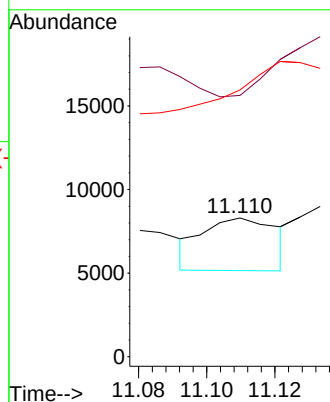
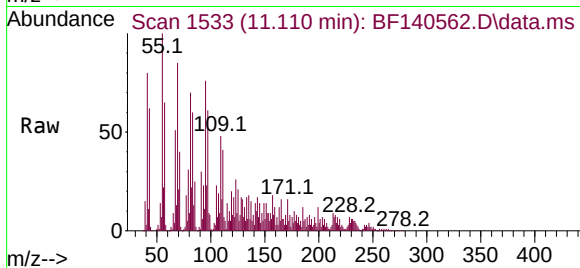
Tgt Ion:200 Resp: 4767

Ion Ratio Lower Upper

200 100

173 188.4 7.0 47.0#

215 192.3 26.7 66.7#



#70

Pentachlorophenol

Concen: 4.257 ng

RT: 11.251 min Scan# 1557

Delta R.T. 0.041 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

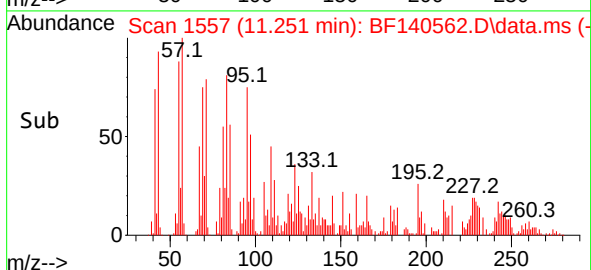
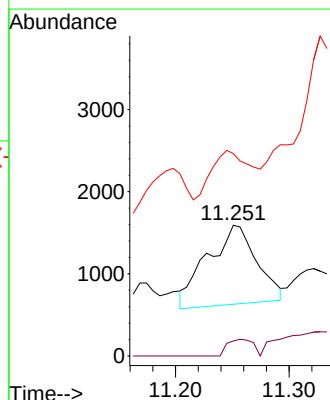
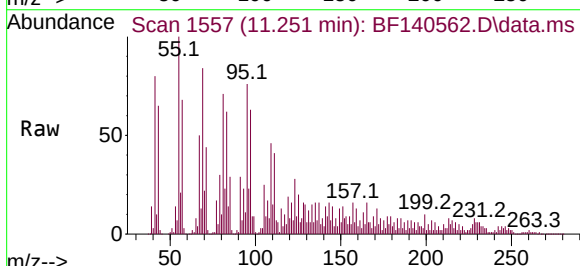
Tgt Ion:266 Resp: 2915

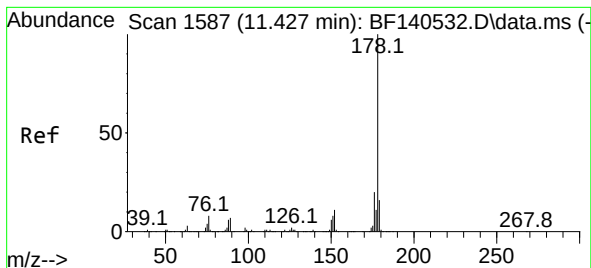
Ion Ratio Lower Upper

266 100

268 11.6 53.7 80.5#

264 154.8 49.8 74.8#





#71

Phenanthrene

Concen: 10.090 ng

RT: 11.445 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Instrument :

BNA_F

ClientSampleId :

ARS520

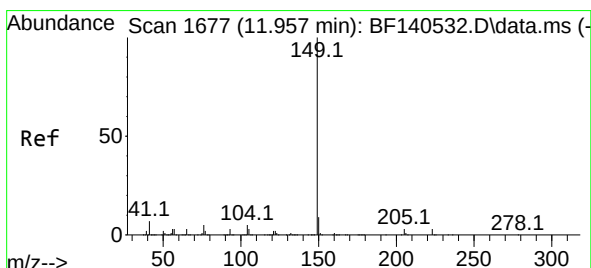
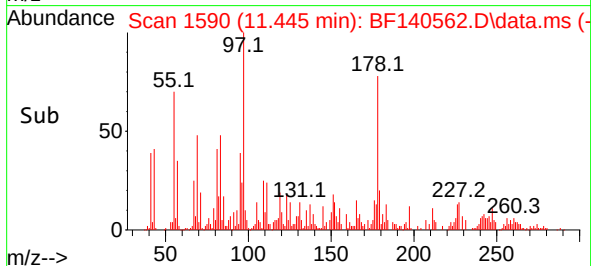
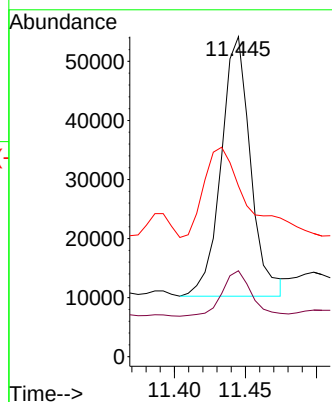
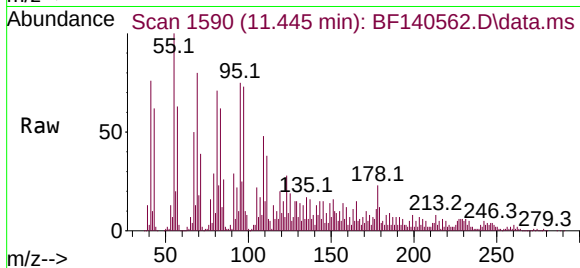
Tgt Ion:178 Resp: 63274

Ion Ratio Lower Upper

178 100

176 26.9 15.8 23.6#

179 53.3 12.4 18.6#



#74

Di-n-butylphthalate

Concen: 3.226 ng

RT: 11.969 min Scan# 1679

Delta R.T. 0.012 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

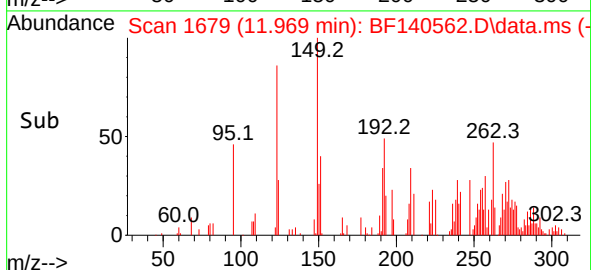
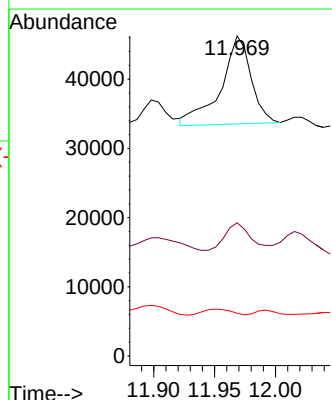
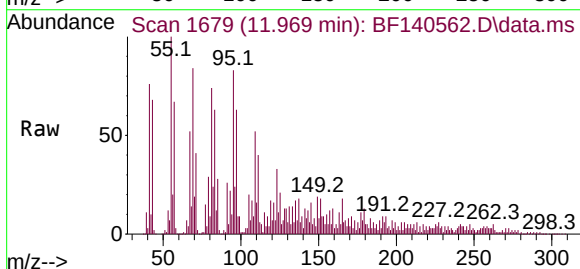
Tgt Ion:149 Resp: 21982

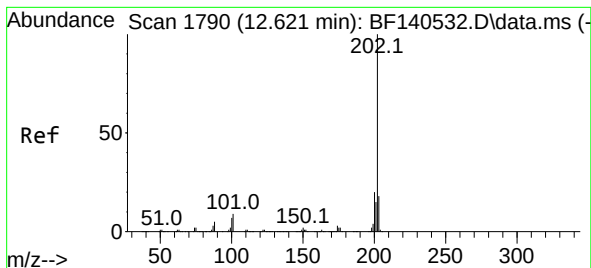
Ion Ratio Lower Upper

149 100

150 41.6 7.5 11.3#

104 13.3 4.1 6.1#





#75

Fluoranthene

Concen: 14.693 ng

RT: 12.639 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Instrument :

BNA_F

ClientSampleId :

ARS520

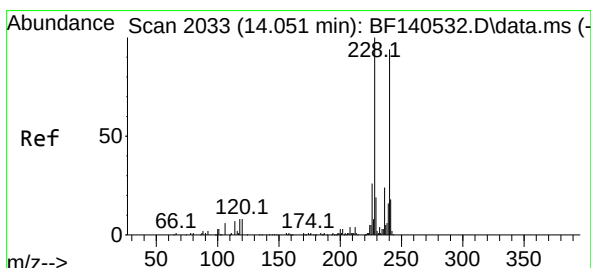
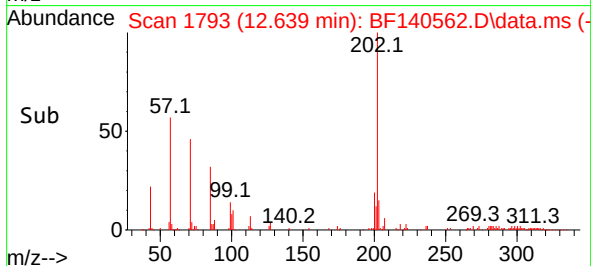
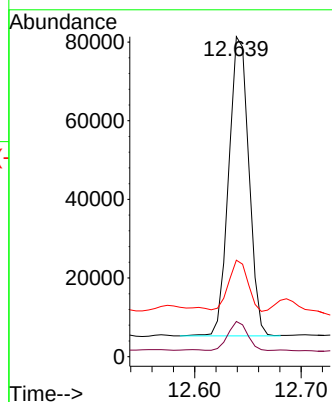
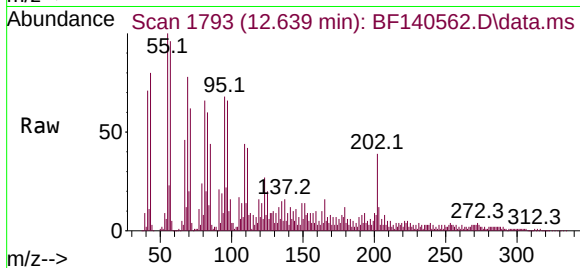
Tgt Ion:202 Resp: 100046

Ion Ratio Lower Upper

202 100

101 11.0 0.0 28.9

203 30.1 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.012 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

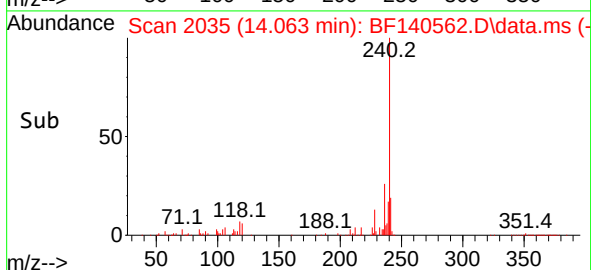
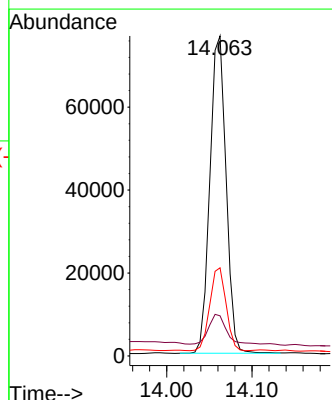
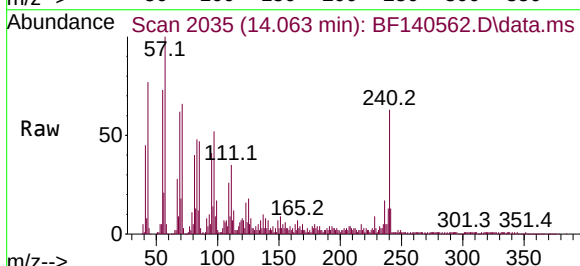
Tgt Ion:240 Resp: 100932

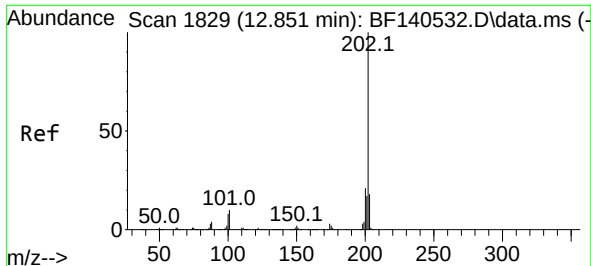
Ion Ratio Lower Upper

240 100

120 12.6 7.3 10.9#

236 27.6 20.6 31.0

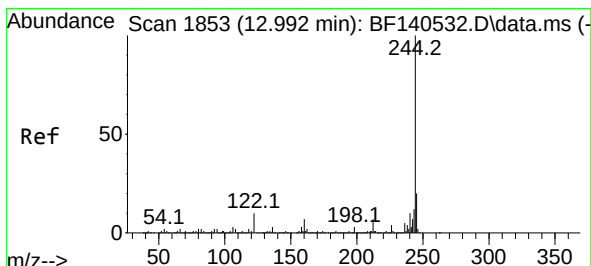
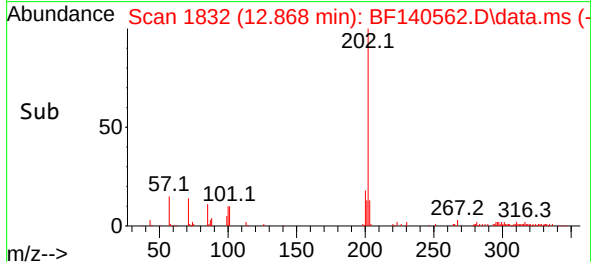
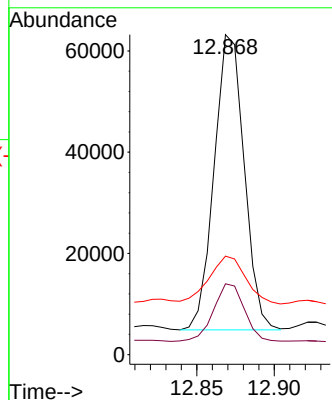
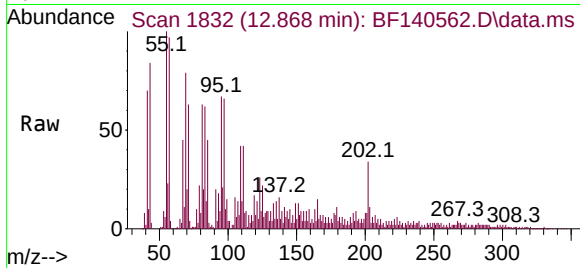




#78
 Pyrene
 Concen: 8.426 ng
 RT: 12.868 min Scan# 1832
 Delta R.T. 0.018 min
 Lab File: BF140562.D
 Acq: 22 Nov 2024 03:06

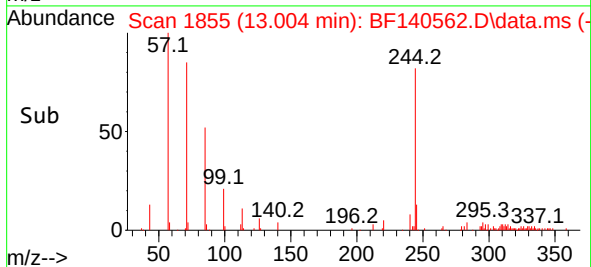
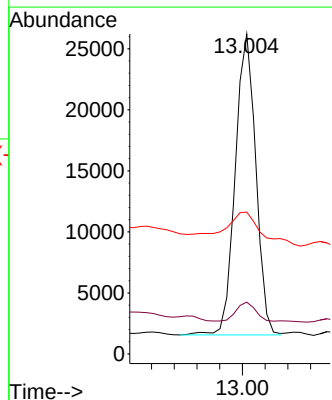
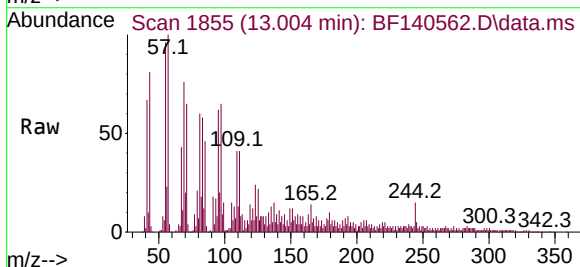
Instrument :
 BNA_F
 ClientSampleId :
 ARS520

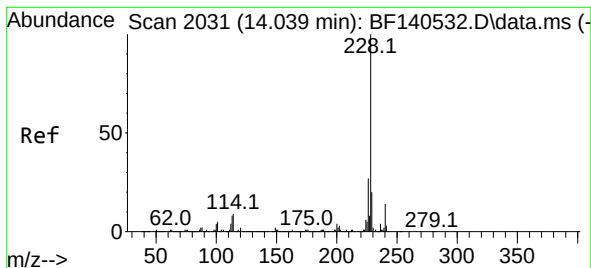
Tgt Ion:202 Resp: 78631
 Ion Ratio Lower Upper
 202 100
 200 22.1 16.5 24.7
 203 30.8 14.2 21.4#



#79
 Terphenyl-d14
 Concen: 4.777 ng
 RT: 13.004 min Scan# 1855
 Delta R.T. 0.012 min
 Lab File: BF140562.D
 Acq: 22 Nov 2024 03:06

Tgt Ion:244 Resp: 30964
 Ion Ratio Lower Upper
 244 100
 212 16.2 5.8 8.8#
 122 44.4 8.0 12.0#





#81

Benzo(a)anthracene

Concen: 4.413 ng

RT: 14.051 min Scan# 2031

Delta R.T. 0.012 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Instrument :

BNA_F

ClientSampleId :

ARS520

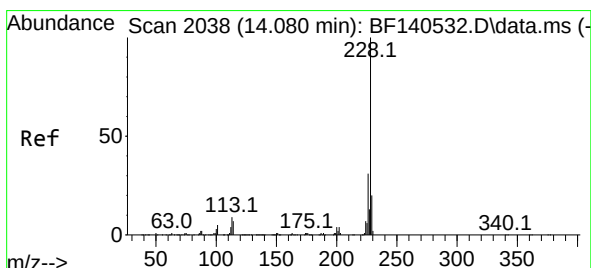
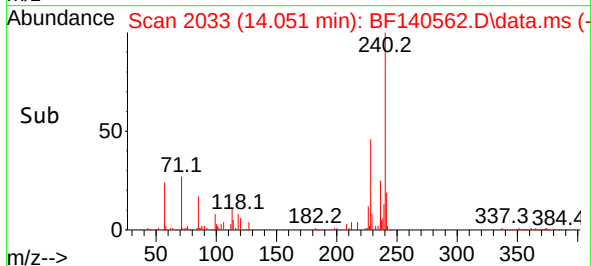
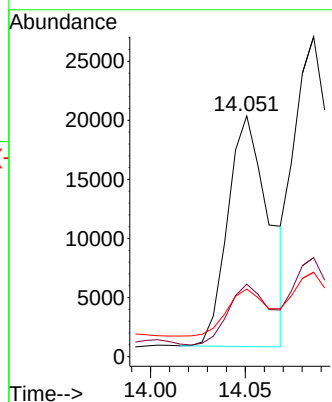
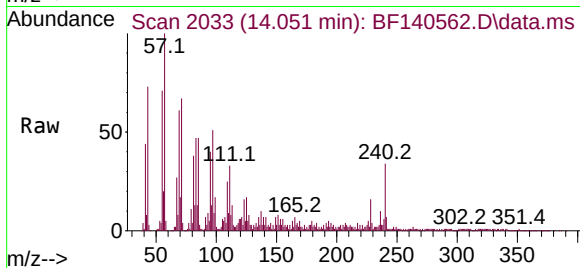
Tgt Ion:228 Resp: 29482

Ion Ratio Lower Upper

228 100

226 30.1 21.8 32.8

229 28.1 15.8 23.6#



#83

Chrysene

Concen: 5.705 ng

RT: 14.086 min Scan# 2039

Delta R.T. 0.006 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

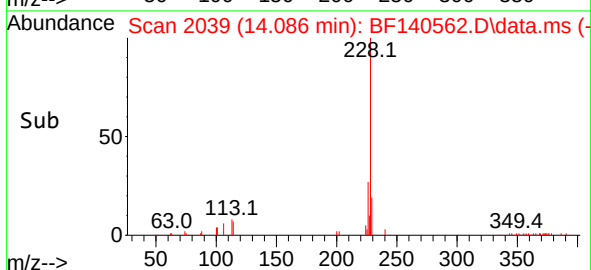
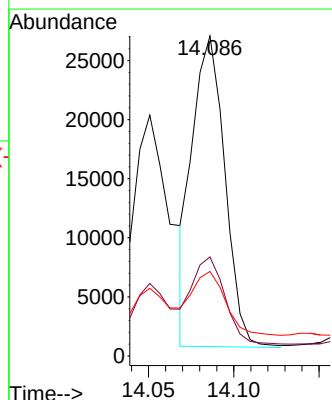
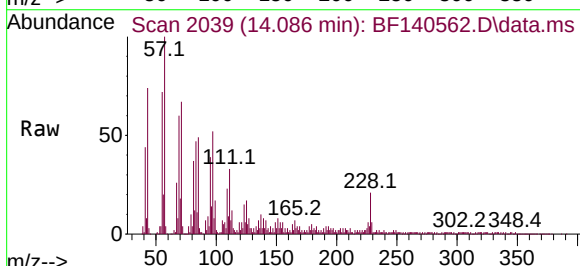
Tgt Ion:228 Resp: 34856

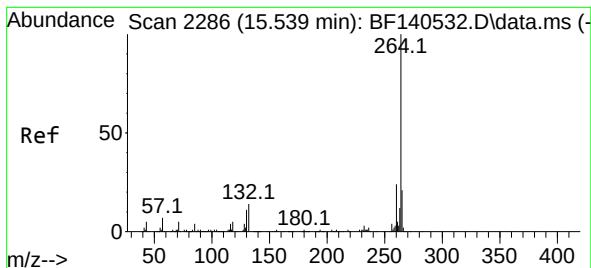
Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

229 26.4 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Instrument :

BNA_F

ClientSampleId :

ARS520

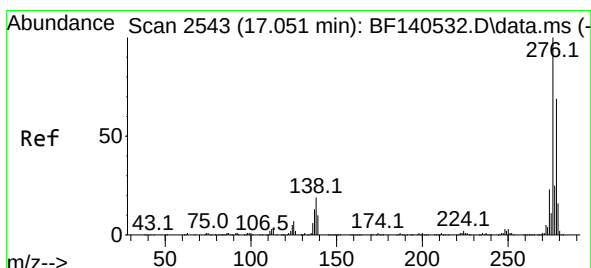
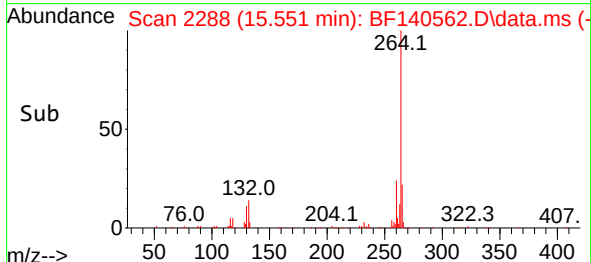
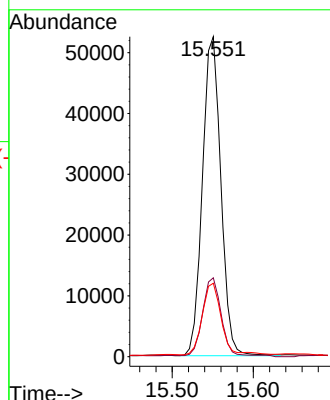
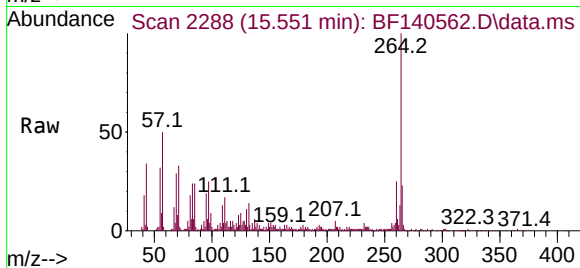
Tgt Ion:264 Resp: 82879

Ion Ratio Lower Upper

264 100

260 24.7 19.0 28.6

265 23.0 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.670 ng

RT: 17.045 min Scan# 2542

Delta R.T. -0.006 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

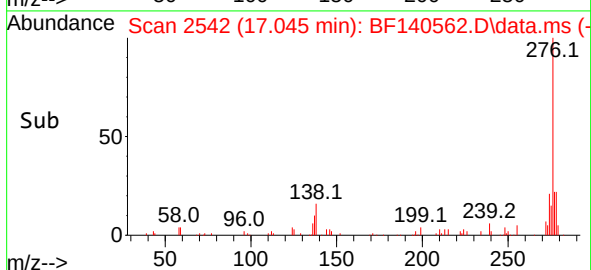
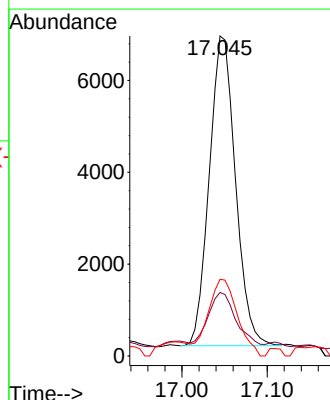
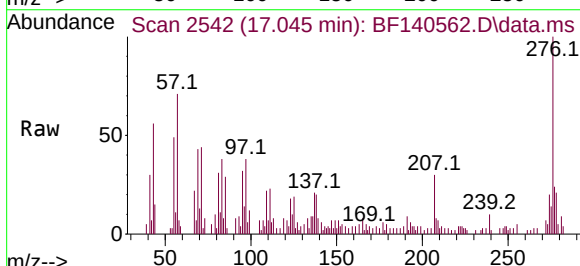
Tgt Ion:276 Resp: 14419

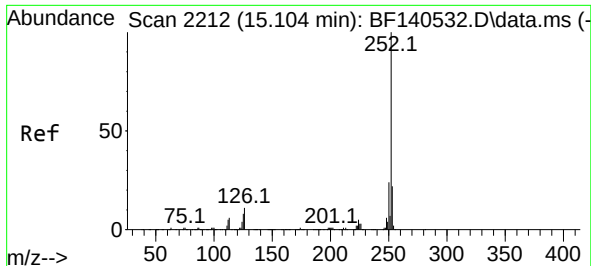
Ion Ratio Lower Upper

276 100

138 17.4 15.5 23.3

277 27.8 20.1 30.1

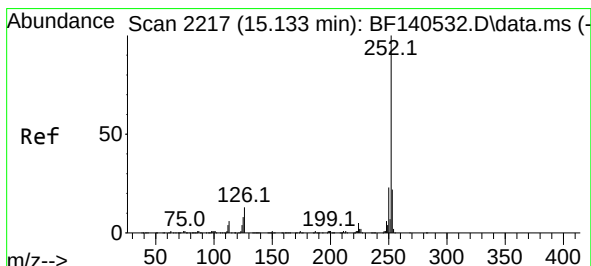
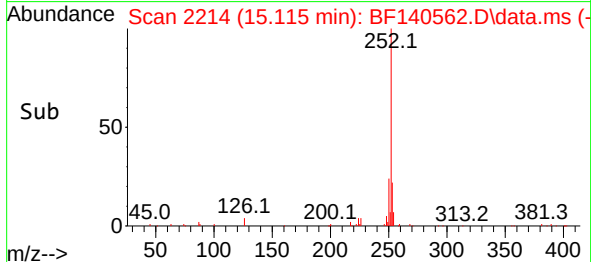
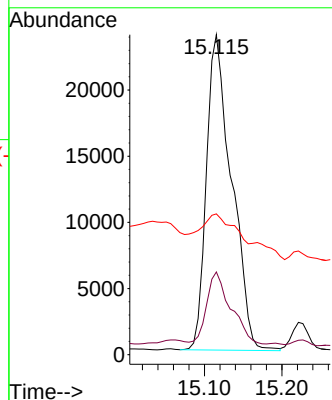
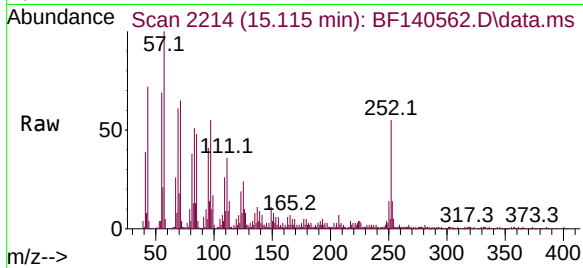




#88
Benzo(b)fluoranthene
Concen: 10.335 ng
RT: 15.115 min Scan# 2214
Delta R.T. 0.012 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

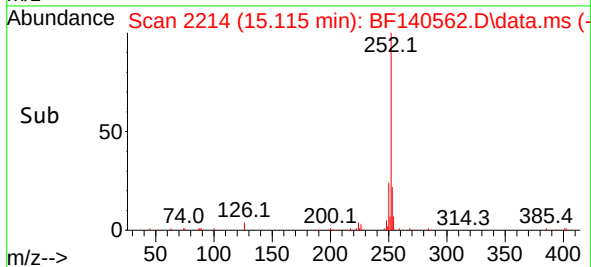
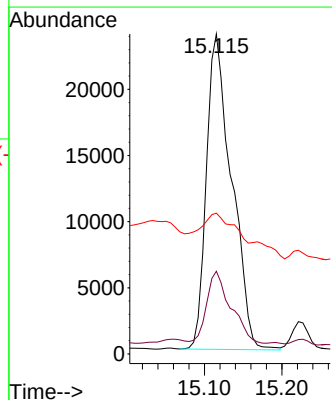
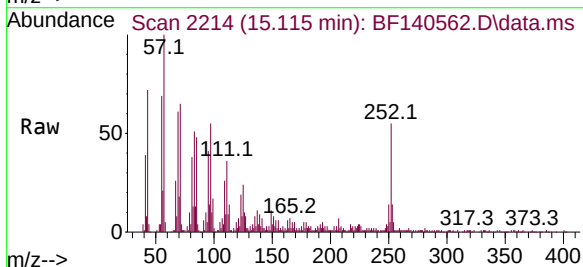
Instrument :
BNA_F
ClientSampleId :
ARS520

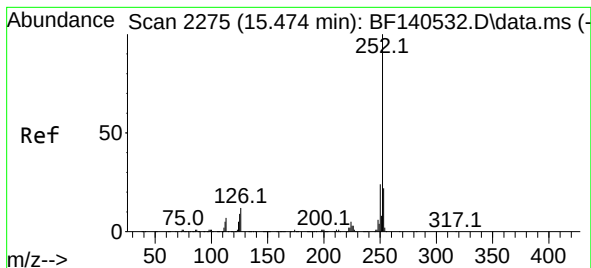
Tgt Ion:252 Resp: 53803
Ion Ratio Lower Upper
252 100
253 25.9 17.2 25.8#
125 44.0 6.7 10.1#



#89
Benzo(k)fluoranthene
Concen: 11.811 ng
RT: 15.115 min Scan# 2214
Delta R.T. -0.018 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

Tgt Ion:252 Resp: 53803
Ion Ratio Lower Upper
252 100
253 25.9 17.5 26.3
125 44.0 6.5 9.7#





#90

Benzo(a)pyrene

Concen: 4.604 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Instrument :

BNA_F

ClientSampleId :

ARS520

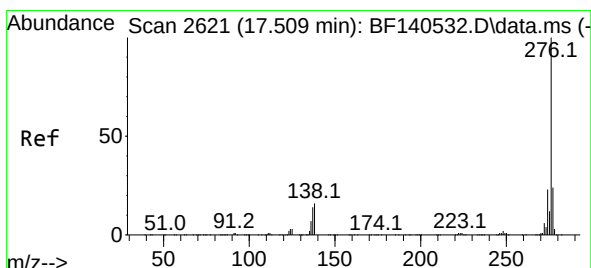
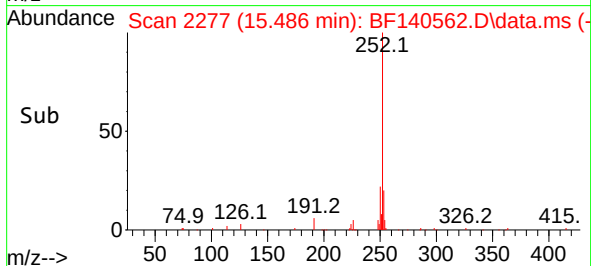
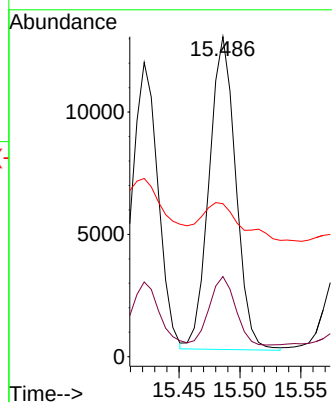
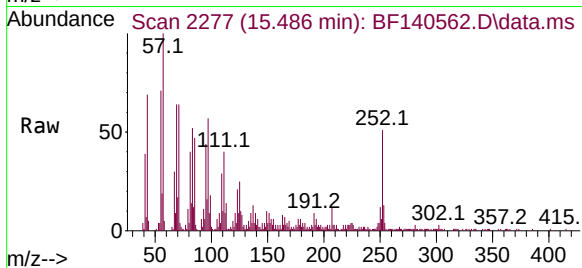
Tgt Ion:252 Resp: 19486

Ion Ratio Lower Upper

252 100

253 25.1 17.3 25.9

125 47.8 7.0 10.6#



#92

Benzo(g,h,i)perylene

Concen: 3.412 ng

RT: 17.503 min Scan# 2620

Delta R.T. -0.006 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Tgt Ion:276 Resp: 15400

Ion Ratio Lower Upper

276 100

277 24.6 18.9 28.3

138 19.9 13.2 19.8#

