

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
 Data File : BF127272.D
 Acq On : 08 Mar 2022 21:53
 Operator : CG\JU
 Sample : N1827-13 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-291

Quant Time: Mar 09 01:20:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 02:16:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83164	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	313573	20.000	ng	# 0.00
39) Acenaphthene-d10	9.933	164	123417	20.000	ng	0.01
64) Phenanthrene-d10	11.445	188	163720	20.000	ng	# 0.03
76) Chrysene-d12	14.080	240	119148	20.000	ng	# 0.02
86) Perylene-d12	15.562	264	103853	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	68	0.013	ng	0.02
7) Phenol-d6	6.516	99	5270	0.726	ng	0.00
23) Nitrobenzene-d5	7.439	82	8116	1.168	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	4049	2.849	ng	0.02
45) 2-Fluorobiphenyl	9.239	172	25610	3.055	ng	0.00
79) Terphenyl-d14	13.027	244	23538	2.904	ng	0.03
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	9.722	165	8416	4.689	ng	# 36
53) 3-Nitroaniline	9.910	138	14063	6.410	ng	# 26
56) 4-Nitrophenol	10.039	139	9287	5.731	ng	# 1
57) 2,4-Dinitrotoluene	10.133	165	8872	3.656	ng	# 55
58) Fluorene	10.486	166	18923	2.306	ng	# 19
61) 4-Chlorophenyl-phenyle...	10.498	204	10045	2.596	ng	# 1
62) 4-Nitroaniline	10.392	138	32345	14.930	ng	81
65) 4,6-Dinitro-2-methylph...	10.551	198	3185	3.311	ng	# 1
66) n-Nitrosodiphenylamine	10.598	169	104265	19.422	ng	# 45
70) Pentachlorophenol	11.274	266	8540	7.944	ng	# 34
71) Phenanthrene	11.469	178	150410	16.414	ng	# 82
72) Anthracene	11.563	178	31046	3.403	ng	# 1
74) Di-n-butylphthalate	11.992	149	46949	4.365	ng	# 27
77) Benzidine	12.727	184	11189	3.456	ng	# 1

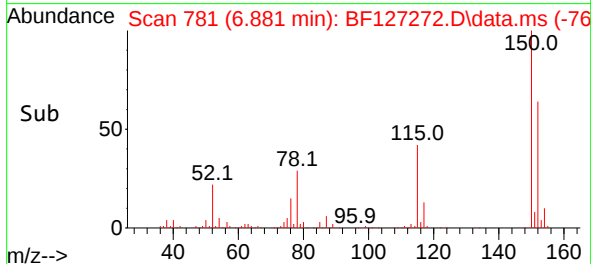
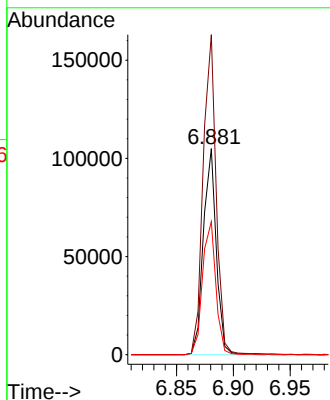
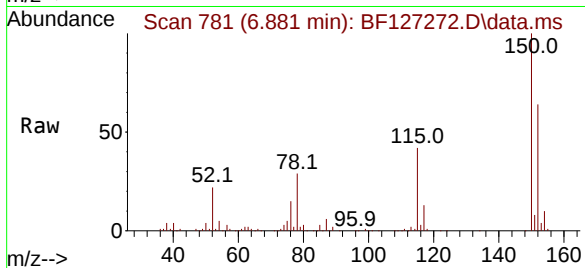
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127272.D
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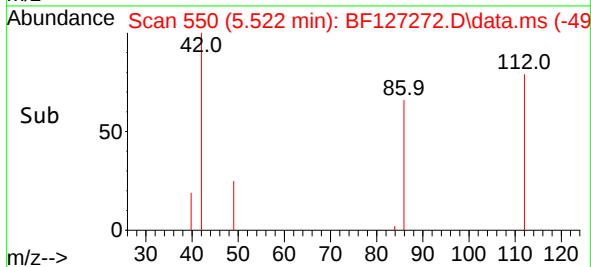
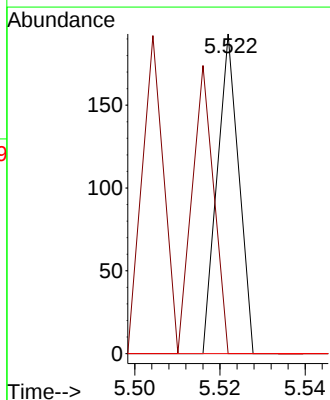
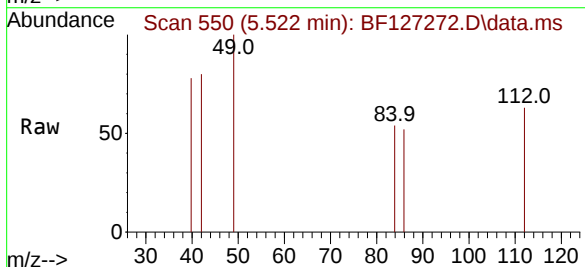
Instrument :
BNA_F
ClientSampleId :
RO-291

Tgt Ion:152 Resp: 83164
Ion Ratio Lower Upper
152 100
150 155.3 128.1 192.1
115 64.5 56.7 85.1



#5
2-Fluorophenol
Concen: 0.013 ng
RT: 5.522 min Scan# 550
Delta R.T. 0.023 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

Tgt Ion:112 Resp: 68
Ion Ratio Lower Upper
112 100
64 0.0 49.5 74.3#
63 0.0 23.9 35.9#

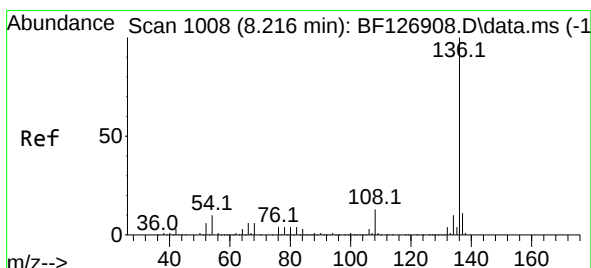
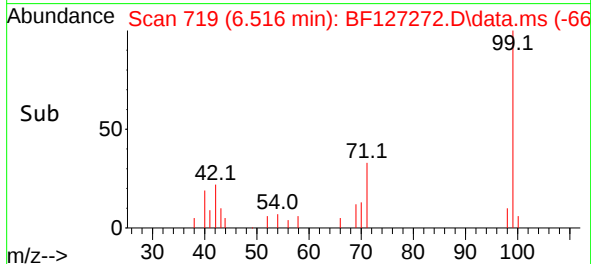
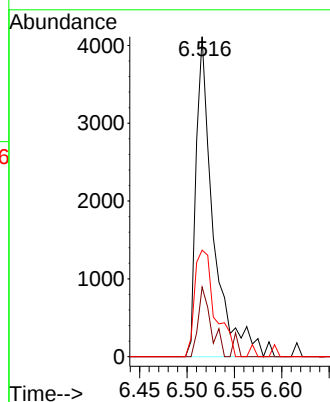
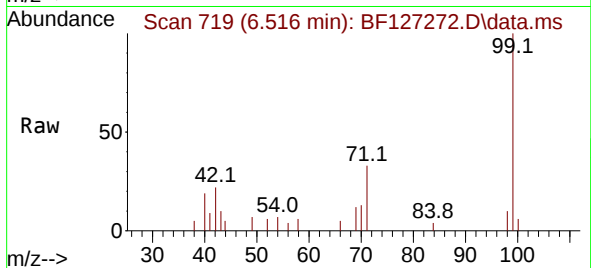




#7
Phenol-d6
Concen: 0.726 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

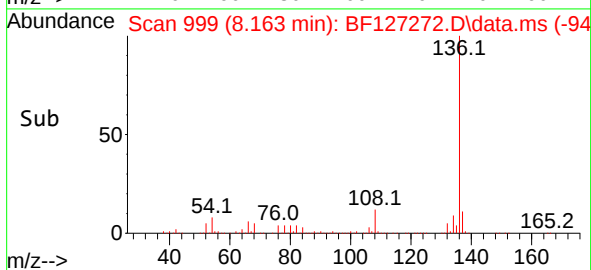
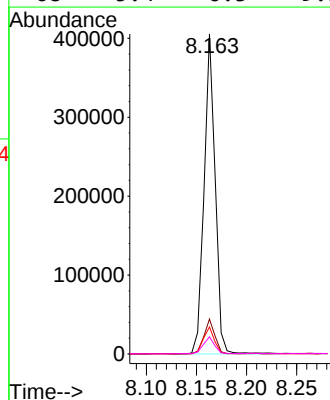
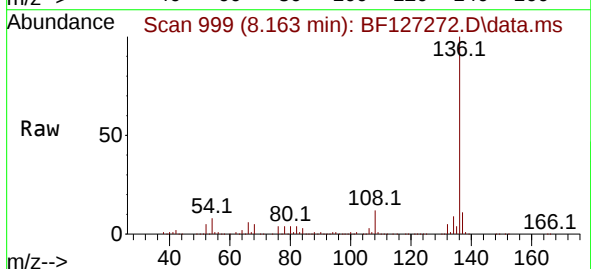
Instrument :
BNA_F
ClientSampleId :
RO-291

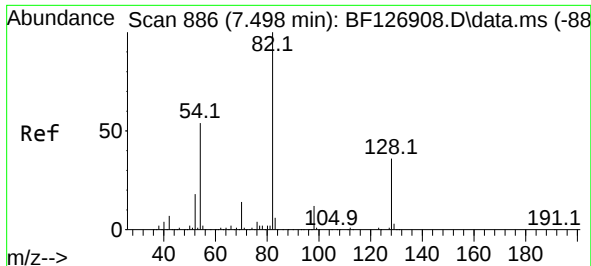
Tgt Ion: 99 Resp: 5270
Ion Ratio Lower Upper
99 100
42 21.7 14.2 21.4#
71 33.3 24.3 36.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 999
Delta R.T. -0.000 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

Tgt Ion: 136 Resp: 313573
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.5 7.8 11.6
68 5.4 6.3 9.5#





#23

Nitrobenzene-d5

Concen: 1.168 ng

RT: 7.439 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127272.D

Acq: 08 Mar 2022 21:53

Instrument :

BNA_F

ClientSampleId :

RO-291

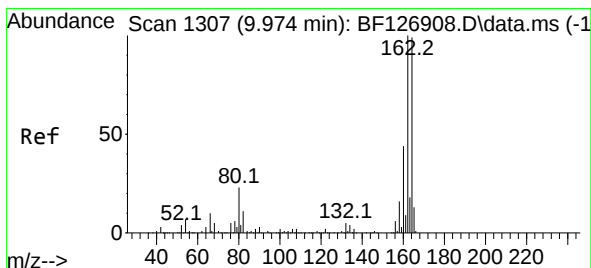
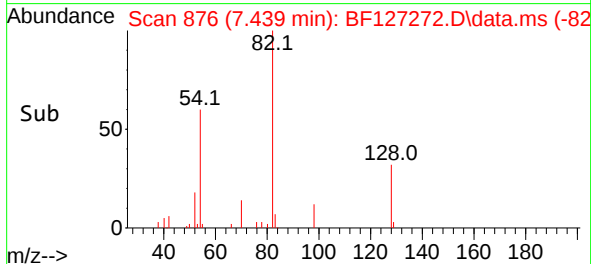
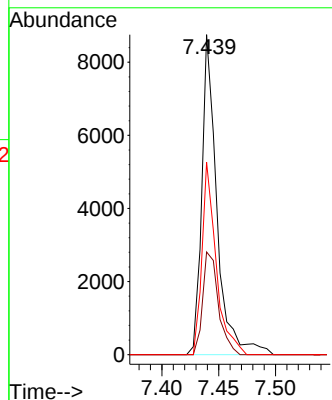
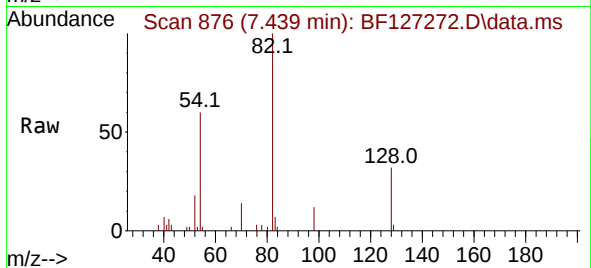
Tgt Ion: 82 Resp: 8116

Ion Ratio Lower Upper

82 100

128 32.1 32.7 49.1#

54 60.2 41.7 62.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1300

Delta R.T. 0.012 min

Lab File: BF127272.D

Acq: 08 Mar 2022 21:53

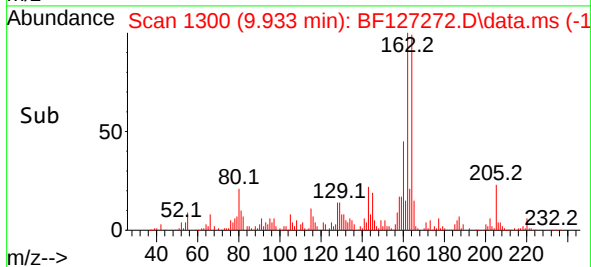
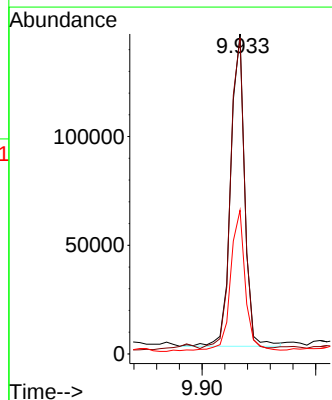
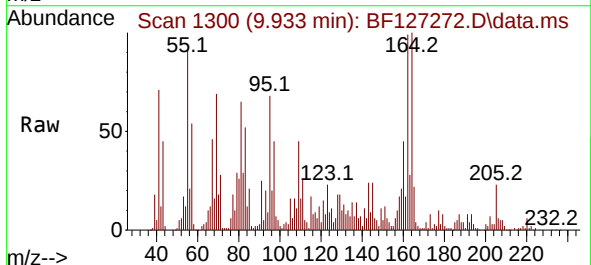
Tgt Ion:164 Resp: 123417

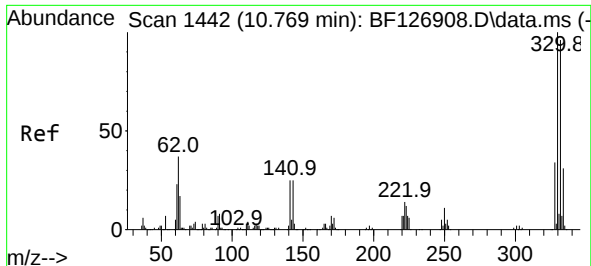
Ion Ratio Lower Upper

164 100

162 98.8 81.4 122.0

160 44.9 36.6 54.8

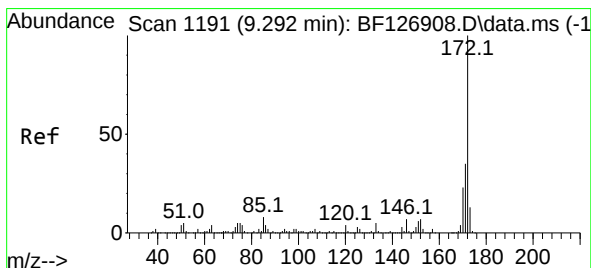
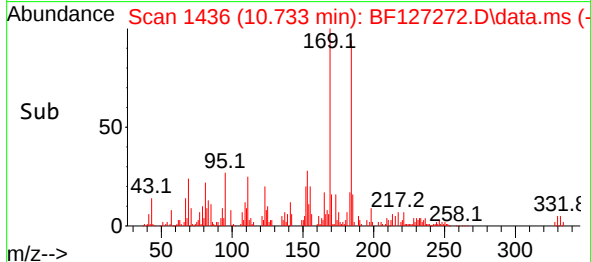
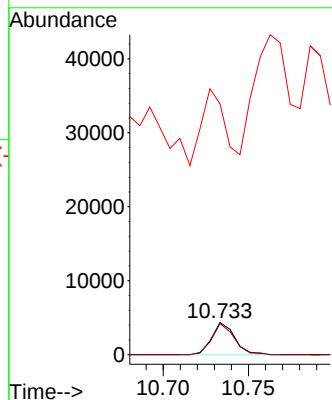
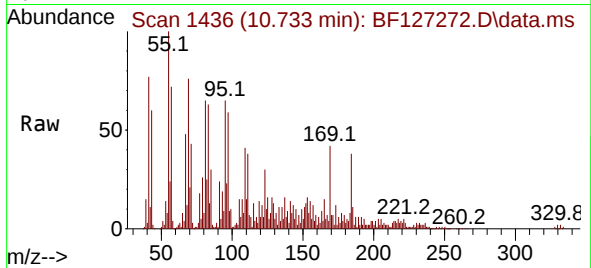




#42
2,4,6-Tribromophenol
Concen: 2.849 ng
RT: 10.733 min Scan# 1442
Delta R.T. 0.018 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

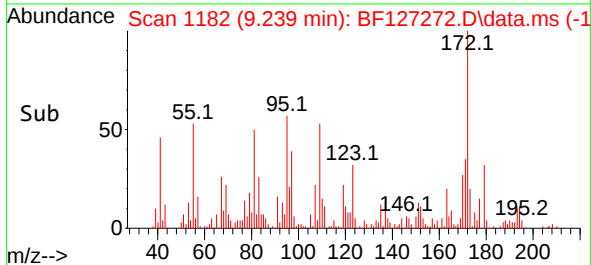
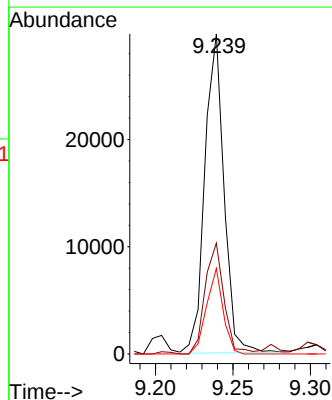
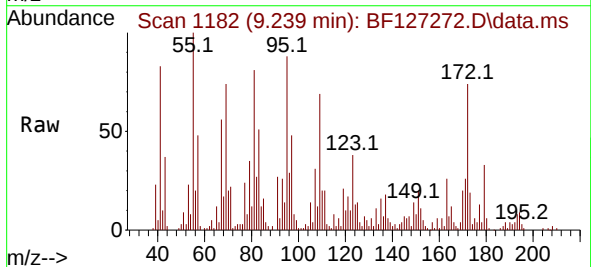
Instrument :
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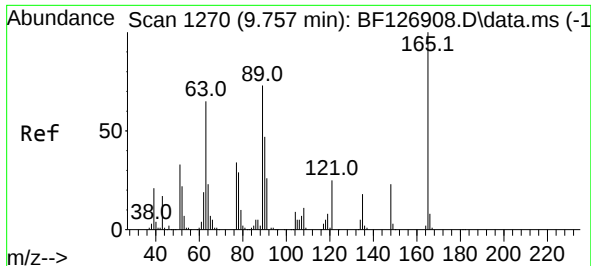
Tgt Ion: 330 Resp: 4049
Ion Ratio Lower Upper
330 100
332 95.1 76.0 114.0
141 241.6 30.1 45.1#



#45
2-Fluorobiphenyl
Concen: 3.055 ng
RT: 9.239 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

Tgt Ion: 172 Resp: 25610
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 26.7 19.0 28.6

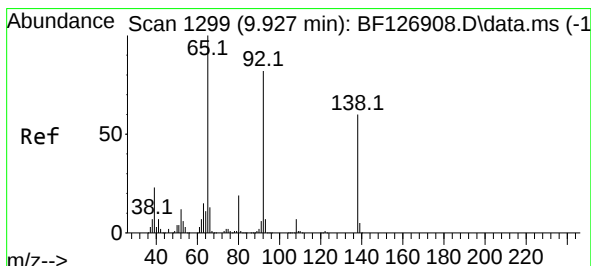
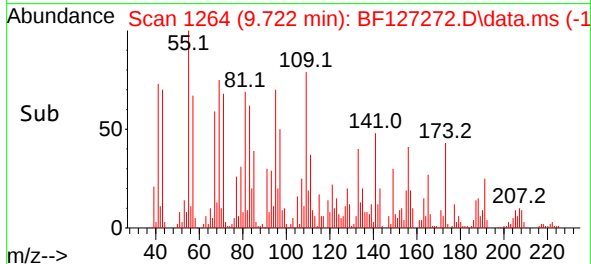
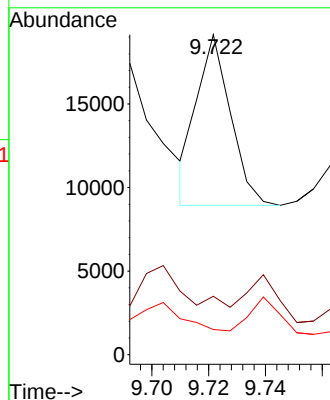
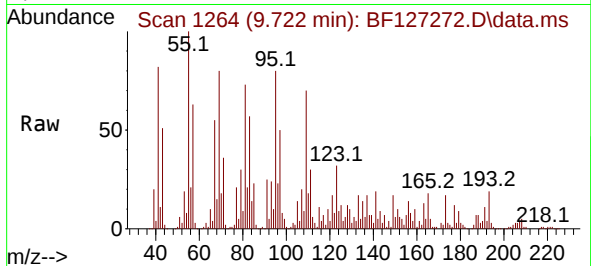




#51
2,6-Dinitrotoluene
Concen: 4.689 ng
RT: 9.722 min Scan# 1264
Delta R.T. 0.012 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

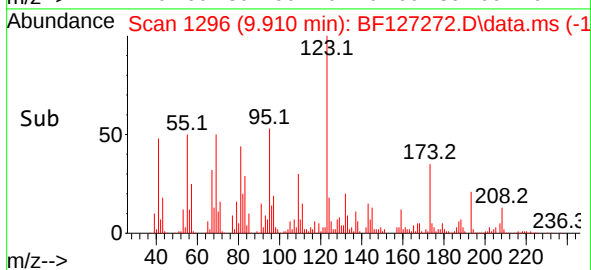
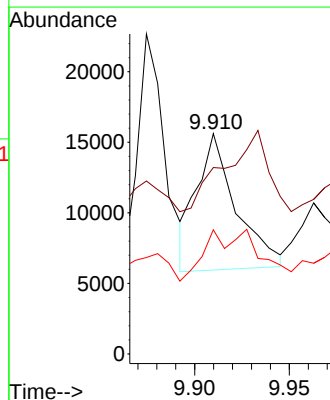
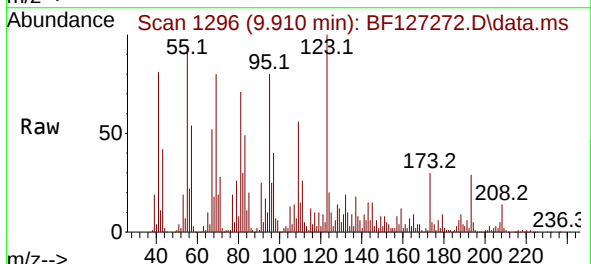
Instrument :
BNA_F
ClientSampleId :
RO-291

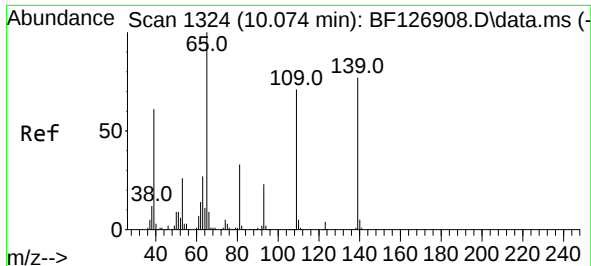
Tgt Ion:165 Resp: 8416
Ion Ratio Lower Upper
165 100
63 18.3 48.4 72.6#
89 7.9 50.5 75.7#



#53
3-Nitroaniline
Concen: 6.410 ng
RT: 9.910 min Scan# 1296
Delta R.T. 0.023 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

Tgt Ion:138 Resp: 14063
Ion Ratio Lower Upper
138 100
108 84.6 8.6 13.0#
92 56.4 105.0 157.6#

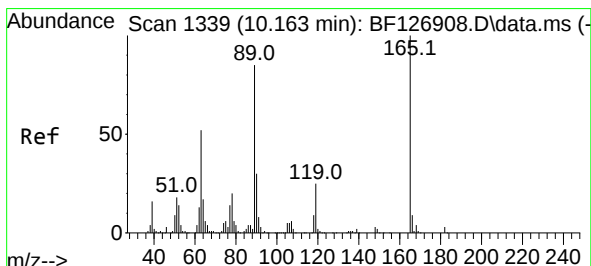
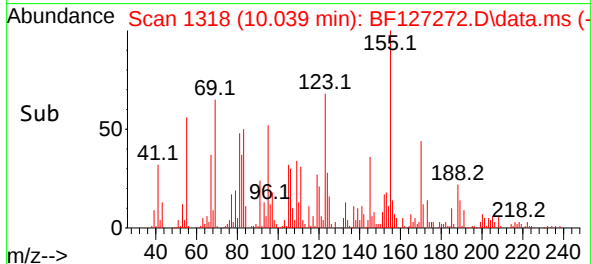
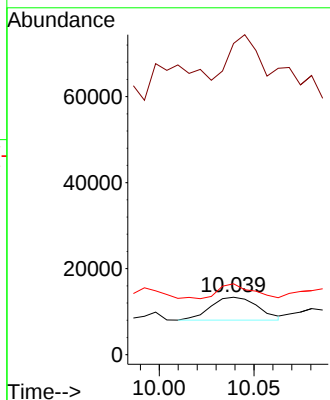
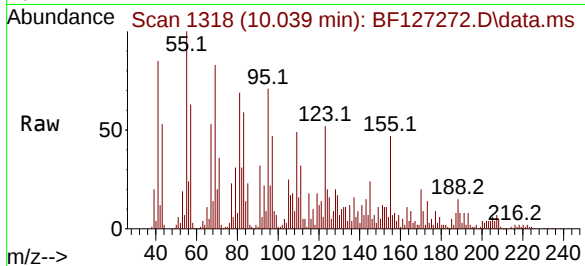




#56
4-Nitrophenol
Concen: 5.731 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

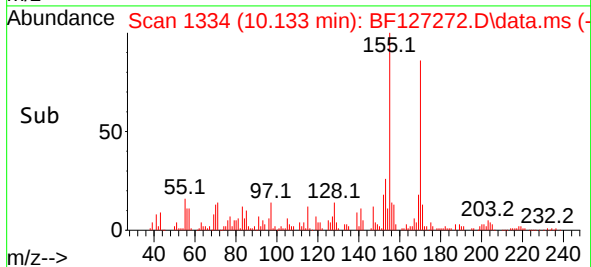
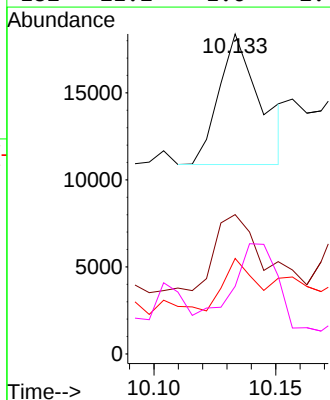
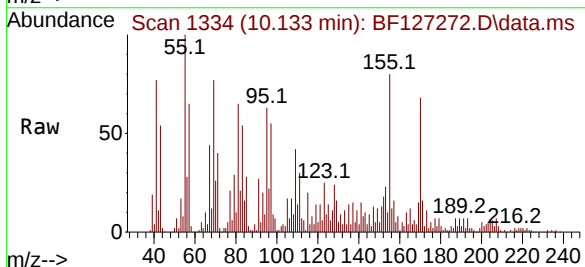
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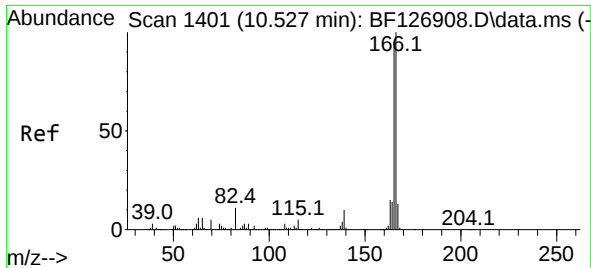
Tgt Ion:139 Resp: 9287
Ion Ratio Lower Upper
139 100
109 542.2 44.1 84.1#
65 123.6 85.5 125.5



#57
2,4-Dinitrotoluene
Concen: 3.656 ng
RT: 10.133 min Scan# 1334
Delta R.T. 0.018 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

Tgt Ion:165 Resp: 8872
Ion Ratio Lower Upper
165 100
63 43.5 43.0 64.6
89 29.9 71.0 106.4#
182 21.2 1.6 2.4#

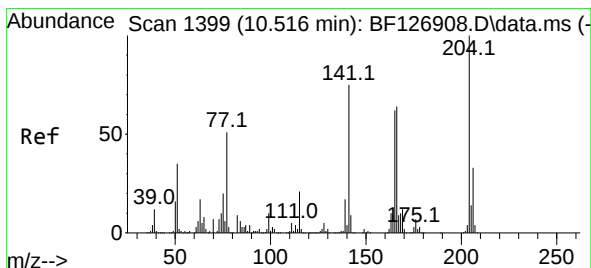
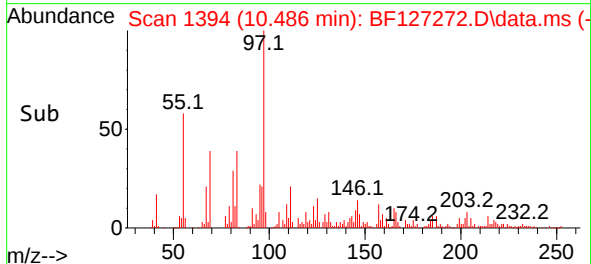
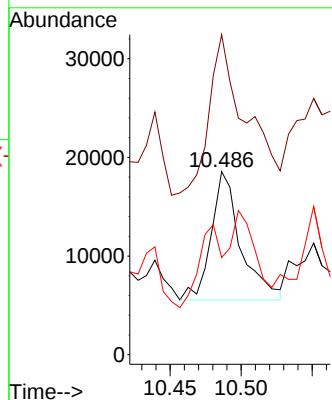
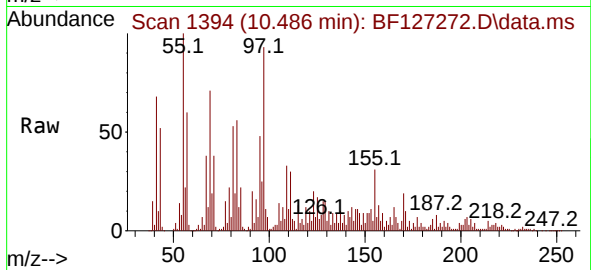




#58
Fluorene
Concen: 2.306 ng
RT: 10.486 min Scan# 1394
Delta R.T. 0.012 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

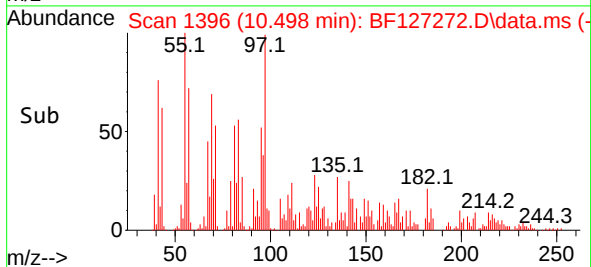
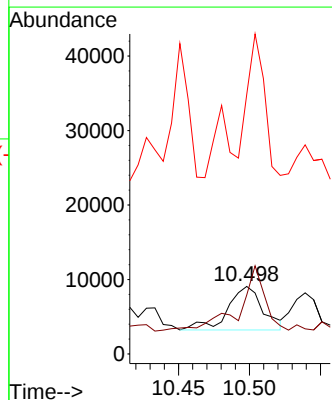
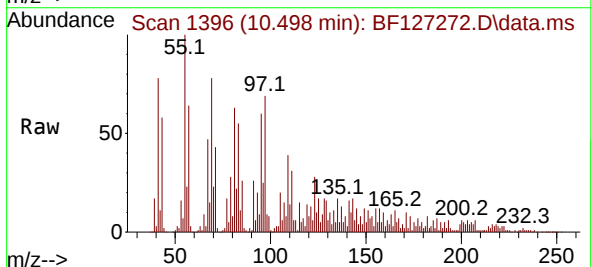
Instrument :
BNA_F
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RO-291

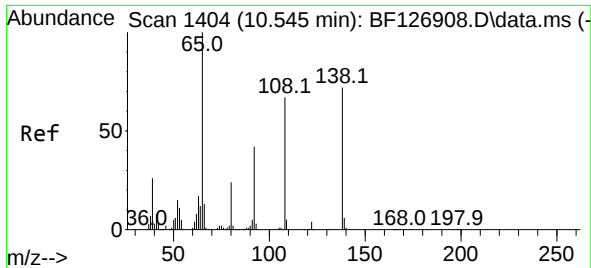
Tgt Ion:166 Resp: 18923
Ion Ratio Lower Upper
166 100
165 174.9 77.7 116.5#
167 53.1 10.7 16.1#



#61
4-Chlorophenyl-phenylether
Concen: 2.596 ng
RT: 10.498 min Scan# 1396
Delta R.T. 0.035 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

Tgt Ion:204 Resp: 10045
Ion Ratio Lower Upper
204 100
206 87.3 26.3 39.5#
141 384.5 59.0 88.6#

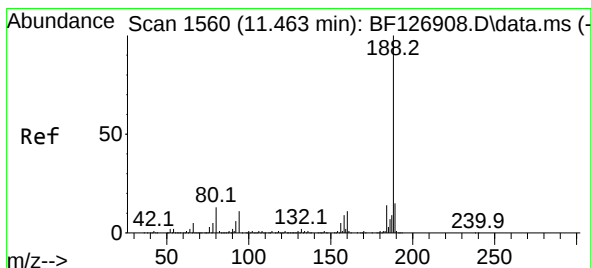
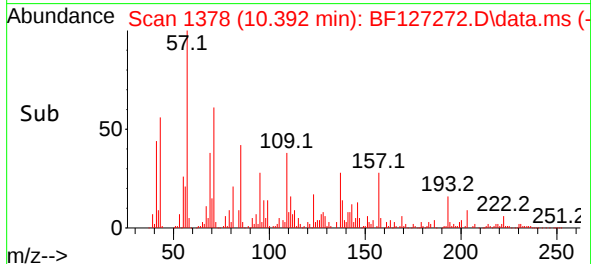
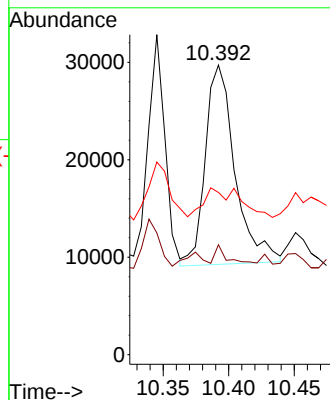
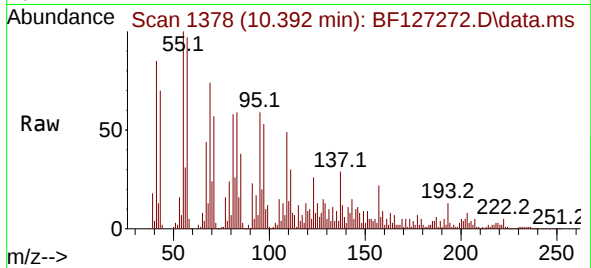




#62
4-Nitroaniline
Concen: 14.930 ng
RT: 10.392 min Scan# 11
Delta R.T. -0.106 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

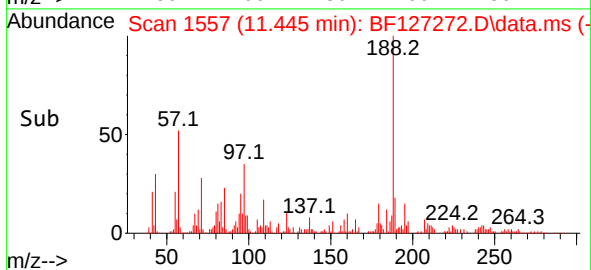
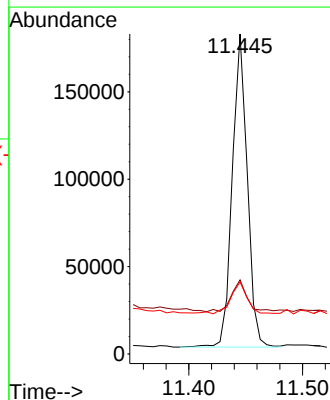
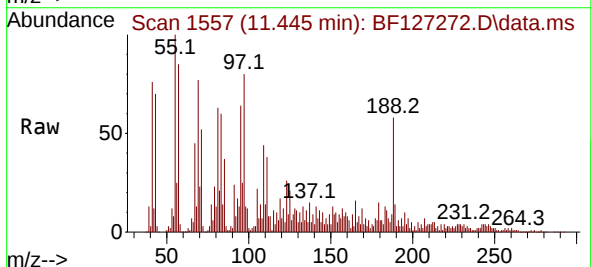
Instrument :
BNA_F
ClientSampleId :
RO-291

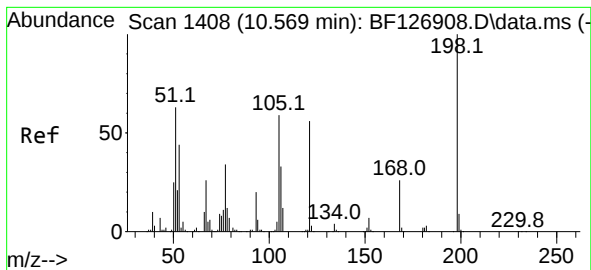
Tgt Ion:138 Resp: 32345
Ion Ratio Lower Upper
138 100
92 38.0 36.2 76.2
108 56.0 46.7 86.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1557
Delta R.T. 0.029 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

Tgt Ion:188 Resp: 163720
Ion Ratio Lower Upper
188 100
94 23.1 10.1 15.1#
80 22.5 11.8 17.6#

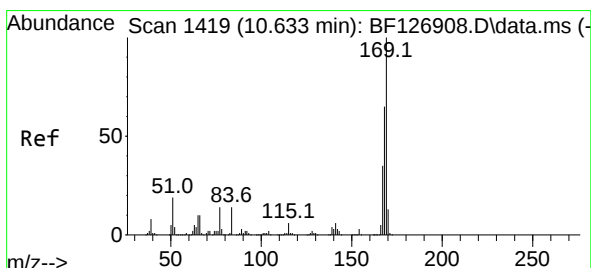
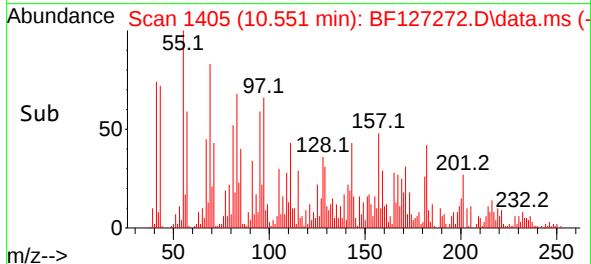
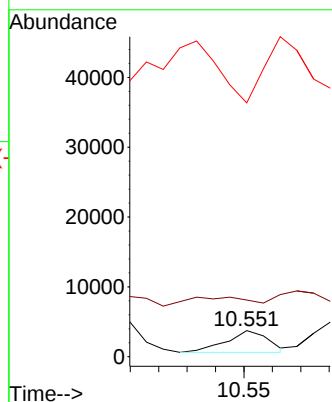
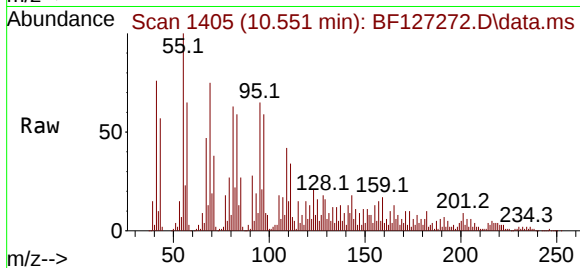




#65
4,6-Dinitro-2-methylphenol
Concen: 3.311 ng
RT: 10.551 min Scan# 1405
Delta R.T. 0.023 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

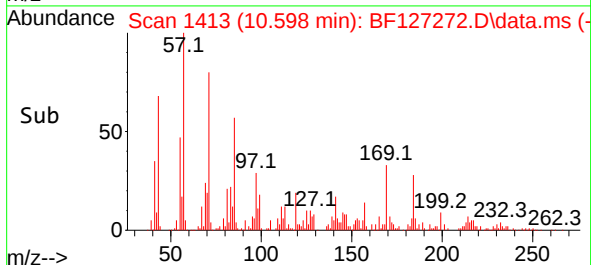
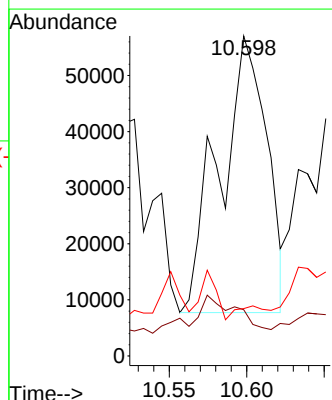
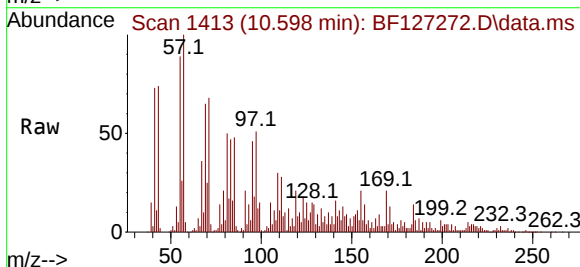
Instrument :
BNA_F
ClientSampleId :
RO-291

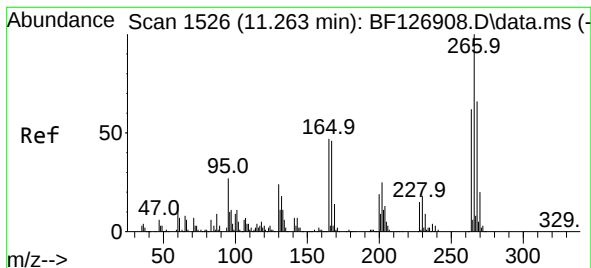
Tgt Ion:198 Resp: 3185
Ion Ratio Lower Upper
198 100
51 217.2 32.0 72.0#
105 973.8 32.7 72.7#



#66
n-Nitrosodiphenylamine
Concen: 19.422 ng
RT: 10.598 min Scan# 1413
Delta R.T. 0.012 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

Tgt Ion:169 Resp: 104265
Ion Ratio Lower Upper
169 100
168 14.5 53.4 80.0#
167 14.8 29.4 44.0#





#70

Pentachlorophenol

Concen: 7.944 ng

RT: 11.274 min Scan# 1526

Delta R.T. 0.059 min

Lab File: BF127272.D

Acq: 08 Mar 2022 21:53

Instrument :

BNA_F

ClientSampleId :

RO-291

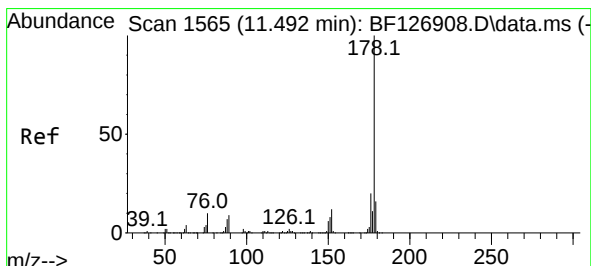
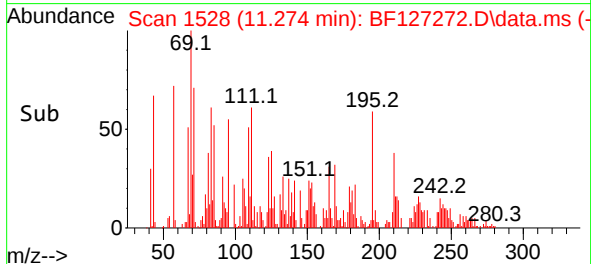
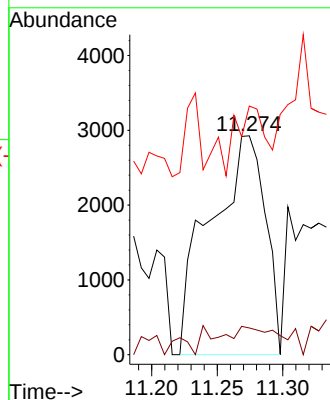
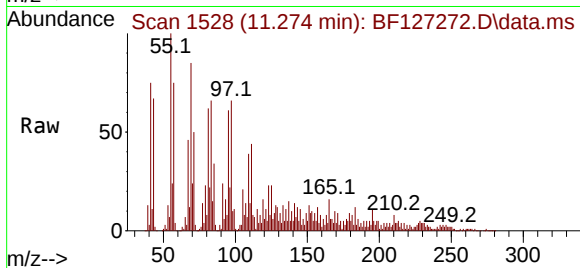
Tgt Ion:266 Resp: 8540

Ion Ratio Lower Upper

266 100

268 12.2 52.3 78.5#

264 113.6 50.4 75.6#



#71

Phenanthrene

Concen: 16.414 ng

RT: 11.469 min Scan# 1561

Delta R.T. 0.029 min

Lab File: BF127272.D

Acq: 08 Mar 2022 21:53

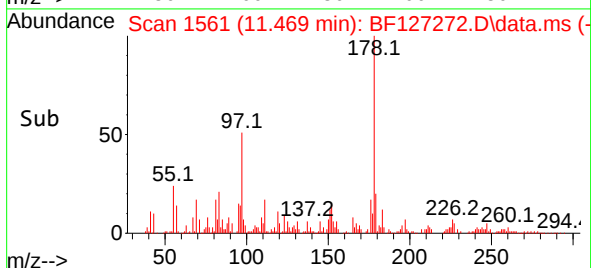
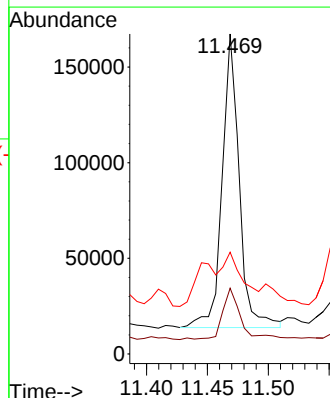
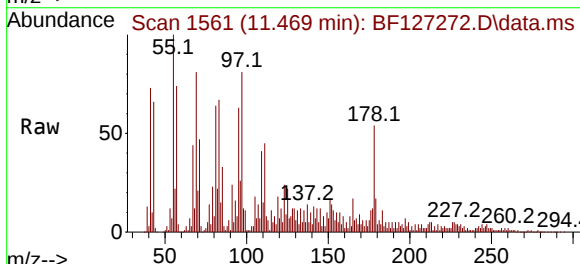
Tgt Ion:178 Resp: 150410

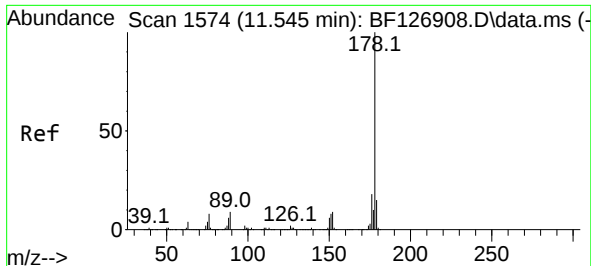
Ion Ratio Lower Upper

178 100

176 20.6 15.7 23.5

179 31.8 12.3 18.5#

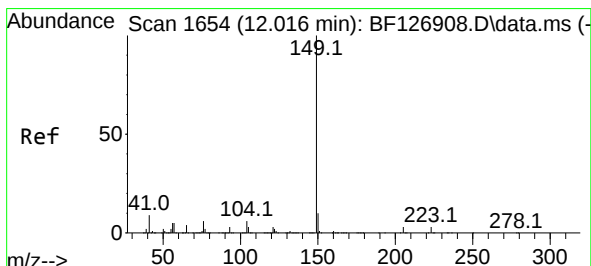
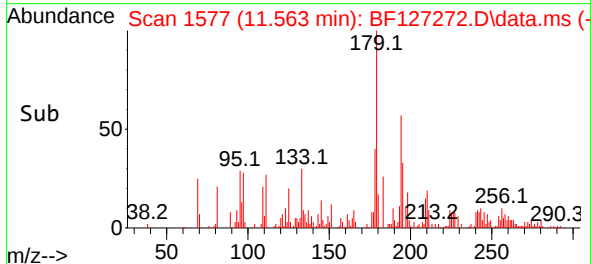
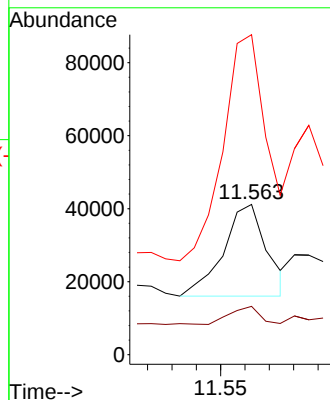
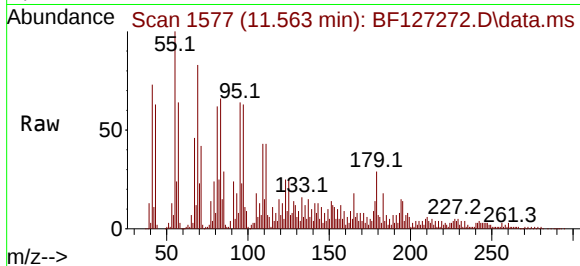




#72
 Anthracene
 Concen: 3.403 ng
 RT: 11.563 min Scan# 1157
 Delta R.T. 0.070 min
 Lab File: BF127272.D
 Acq: 08 Mar 2022 21:53

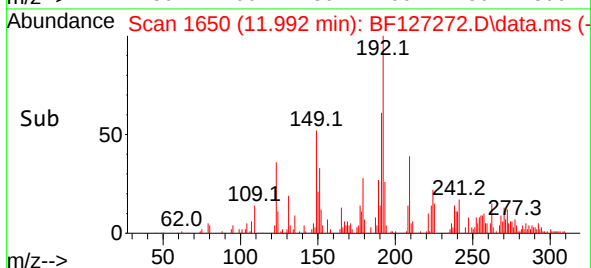
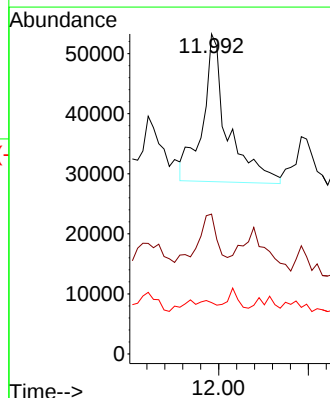
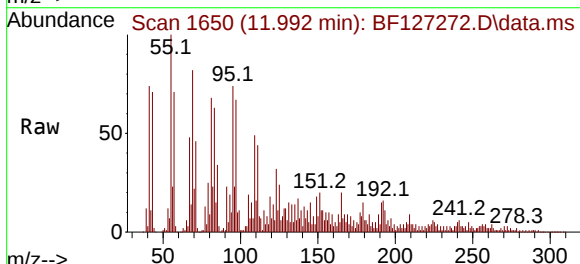
Instrument :
 BNA_F
 ClientSampleId :
 RO-291

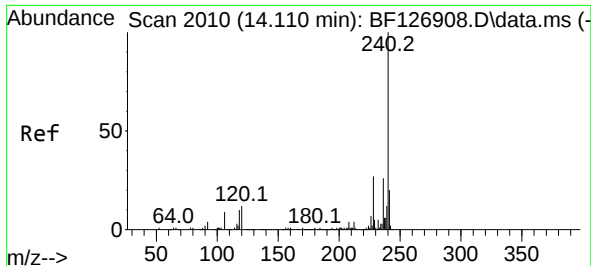
Tgt Ion:178 Resp: 31046
 Ion Ratio Lower Upper
 178 100
 176 32.1 15.0 22.6#
 179 212.9 12.5 18.7#



#74
 Di-n-butylphthalate
 Concen: 4.365 ng
 RT: 11.992 min Scan# 1650
 Delta R.T. 0.023 min
 Lab File: BF127272.D
 Acq: 08 Mar 2022 21:53

Tgt Ion:149 Resp: 46949
 Ion Ratio Lower Upper
 149 100
 150 43.7 7.2 10.8#
 104 16.1 4.2 6.2#

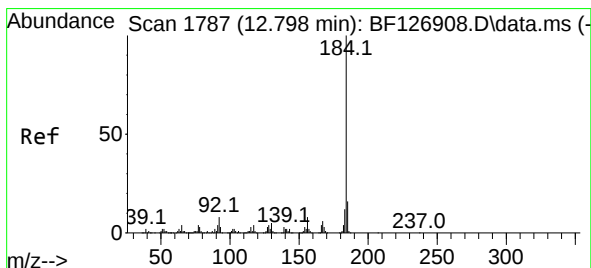
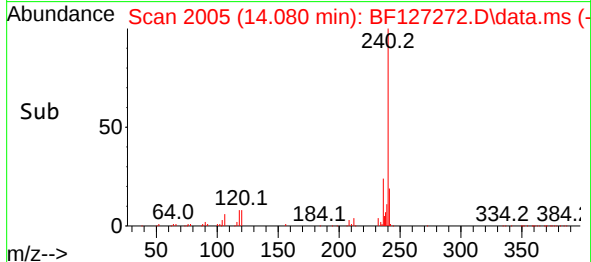
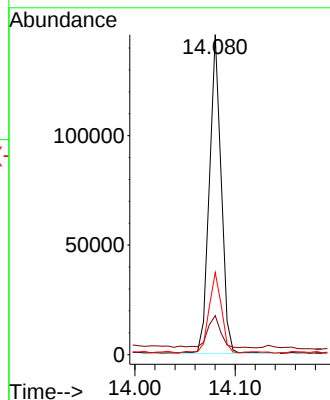
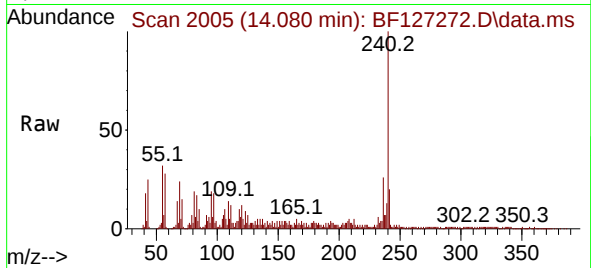




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2010
Delta R.T. 0.018 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

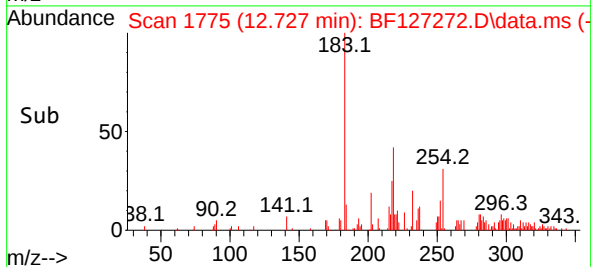
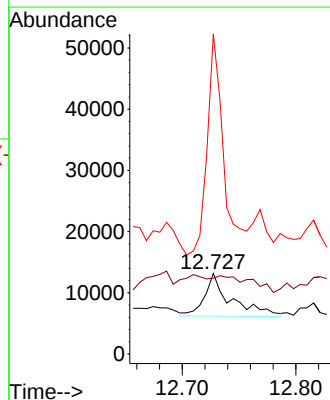
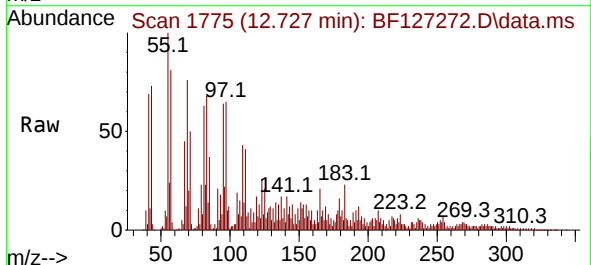
Instrument :
BNA_F
ClientSampleId :
RO-291

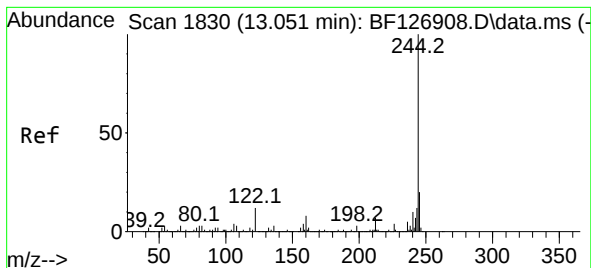
Tgt Ion:240 Resp: 119148
Ion Ratio Lower Upper
240 100
120 12.2 14.4 21.6#
236 25.7 20.5 30.7



#77
Benzidine
Concen: 3.456 ng
RT: 12.727 min Scan# 1775
Delta R.T. -0.024 min
Lab File: BF127272.D
Acq: 08 Mar 2022 21:53

Tgt Ion:184 Resp: 11189
Ion Ratio Lower Upper
184 100
185 93.9 11.8 17.8#
183 397.2 8.2 12.2#





#79

Terphenyl-d14

Concen: 2.904 ng

RT: 13.027 min Scan# 11

Delta R.T. 0.029 min

Lab File: BF127272.D

Acq: 08 Mar 2022 21:53

Instrument :

BNA_F

ClientSampleId :

RO-291

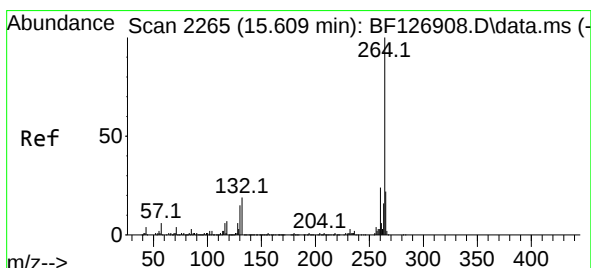
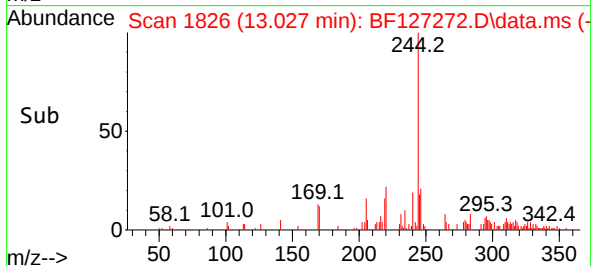
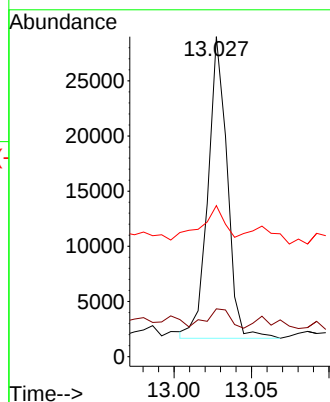
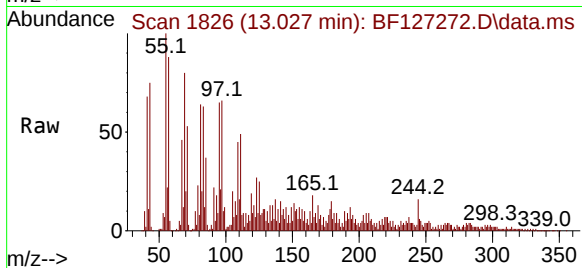
Tgt Ion:244 Resp: 23538

Ion Ratio Lower Upper

244 100

212 14.9 5.0 7.4#

122 47.2 13.3 19.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2257

Delta R.T. 0.018 min

Lab File: BF127272.D

Acq: 08 Mar 2022 21:53

Tgt Ion:264 Resp: 103853

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 22.1 17.4 26.2

