

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
 Data File : BF127101.D
 Acq On : 28 Feb 2022 15:50
 Operator : CG\JU
 Sample : N1679-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-72-11944

Quant Time: Feb 28 17:00:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

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

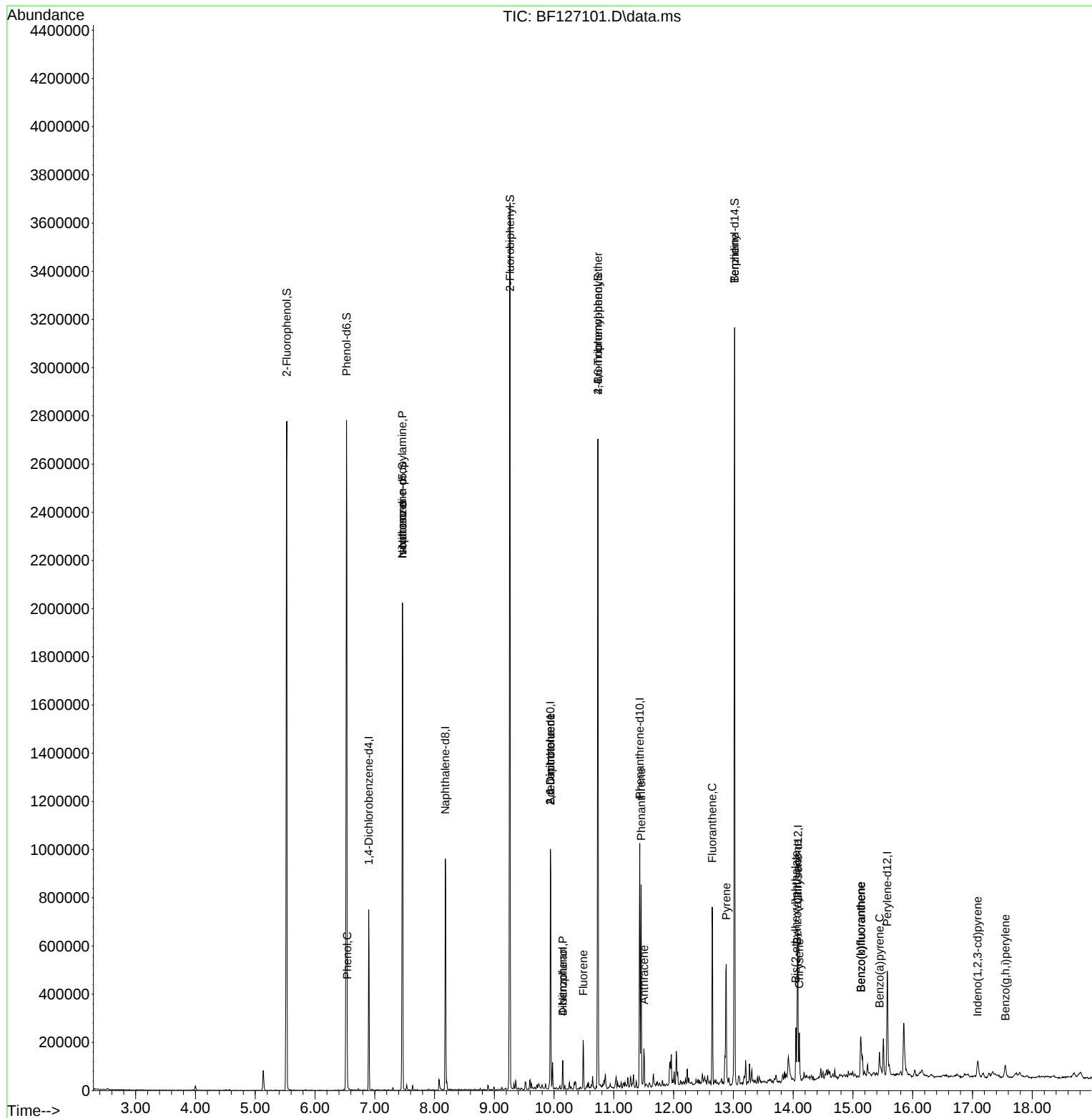
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	96030	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	386052	20.000	ng	#-0.01
39) Acenaphthene-d10	9.939	164	196106	20.000	ng	-0.01
64) Phenanthrene-d10	11.433	188	328919	20.000	ng	#-0.01
76) Chrysene-d12	14.080	240	170532	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	188189	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	726358	116.905	ng	0.00
7) Phenol-d6	6.528	99	975395	116.342	ng	-0.01
23) Nitrobenzene-d5	7.463	82	695440	81.311	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	289974	128.427	ng	-0.01
45) 2-Fluorobiphenyl	9.263	172	1096167	82.289	ng	0.00
79) Terphenyl-d14	13.021	244	970448	83.656	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.540	94	20415	2.410	ng	79
19) n-Nitroso-di-n-propyla...	7.463	70	93902	17.382	ng	# 80
25) Isophorone	7.463	82	695430	49.138	ng	# 69
51) 2,6-Dinitrotoluene	9.939	165	26612	9.331	ng	# 22
55) Dibenzofuran	10.145	168	35447	2.118	ng	# 87
56) 4-Nitrophenol	10.145	139	16312	6.335	ng	# 7
57) 2,4-Dinitrotoluene	9.939	165	26612	6.901	ng	# 16
58) Fluorene	10.486	166	48379	3.711	ng	95
67) 4-Bromophenyl-phenylether	10.733	248	16992	4.624	ng	# 1
71) Phenanthrene	11.457	178	259384	14.089	ng	99
72) Anthracene	11.504	178	53686	2.929	ng	98
75) Fluoranthene	12.645	202	267535	15.305	ng	96
77) Benzidine	13.021	184	14376	3.102	ng	# 93
78) Pyrene	12.880	202	200569	13.538	ng	98
81) Benzo(a)anthracene	14.068	228	73113	6.360	ng	96
83) Chrysene	14.104	228	68184	6.307	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	50767	5.513	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.086	276	41203	3.339	ng	# 84
88) Benzo(b)fluoranthene	15.133	252	123062	9.736	ng	# 95
89) Benzo(k)fluoranthene	15.133	252	123062	10.094	ng	# 95
90) Benzo(a)pyrene	15.445	252	41040	4.157	ng	100
92) Benzo(g,h,i)perylene	17.551	276	38059	3.783	ng	# 88

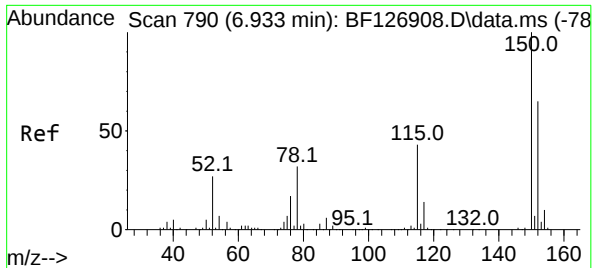
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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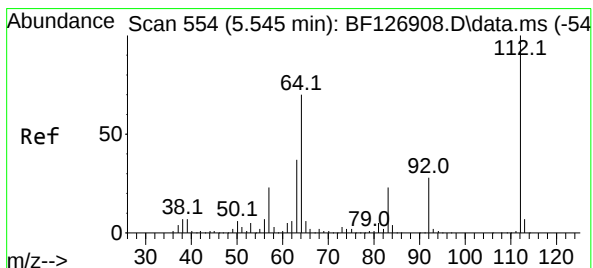
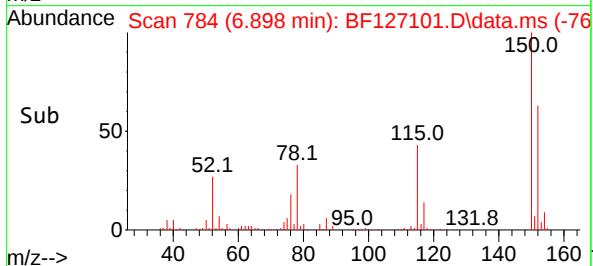
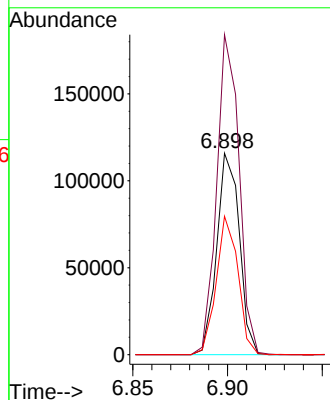
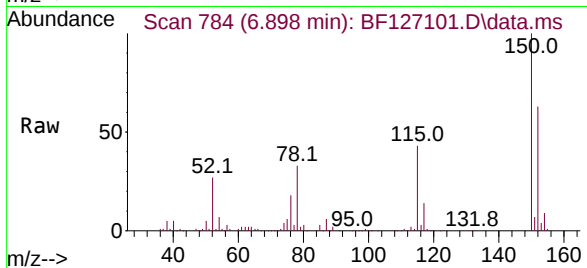




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

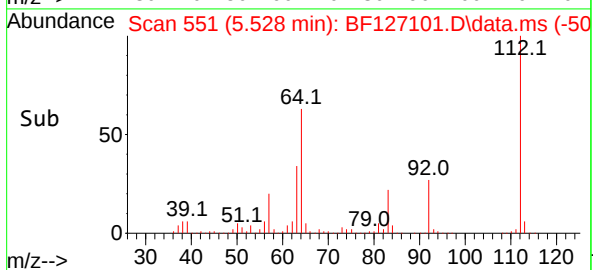
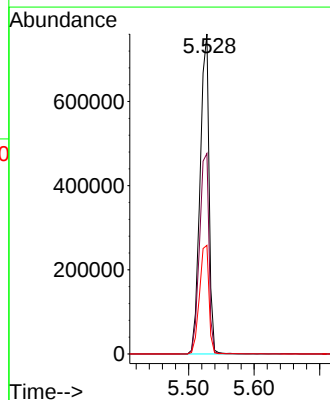
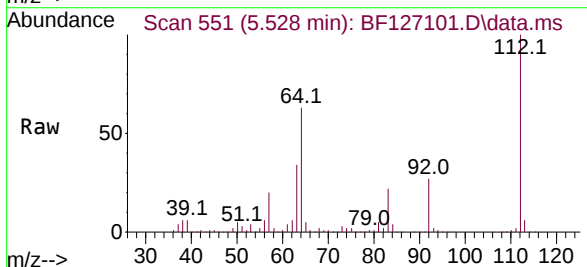
Instrument :
BNA_F
ClientSampleId :
RO-72-11944

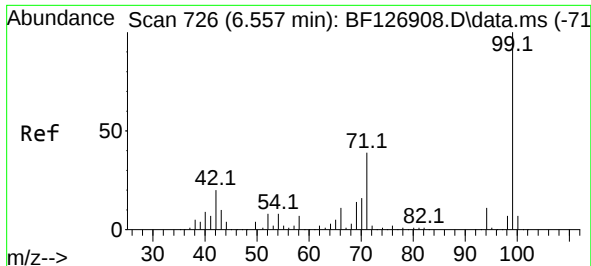
Tgt Ion:152 Resp: 96030
Ion Ratio Lower Upper
152 100
150 158.8 128.1 192.1
115 68.7 56.7 85.1



#5
2-Fluorophenol
Concen: 116.905 ng
RT: 5.528 min Scan# 551
Delta R.T. 0.000 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Tgt Ion:112 Resp: 726358
Ion Ratio Lower Upper
112 100
64 62.7 49.5 74.3
63 34.0 23.9 35.9

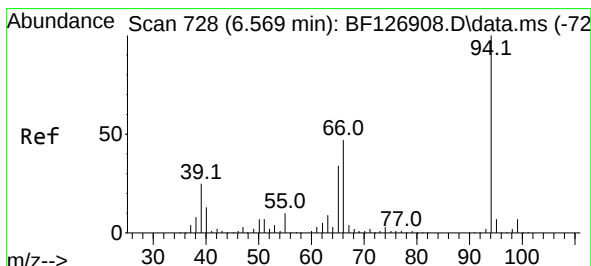
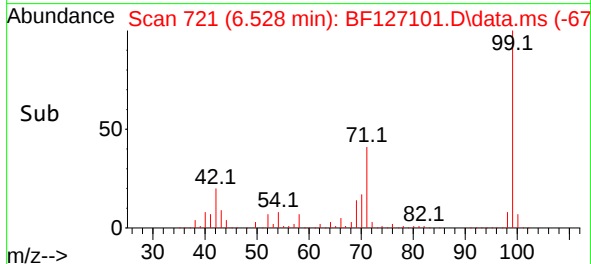
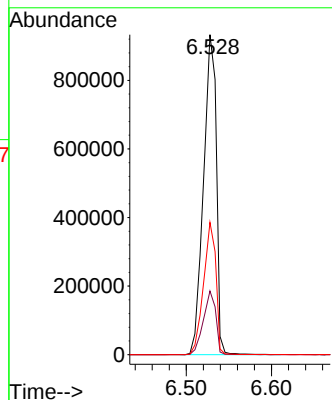
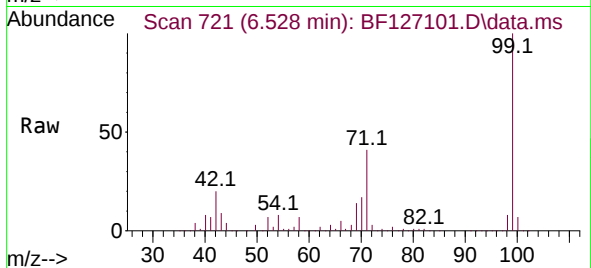




#7
Phenol-d6
Concen: 116.342 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

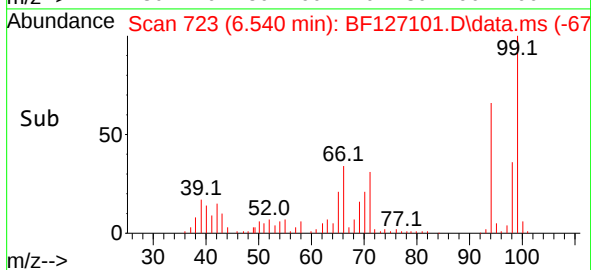
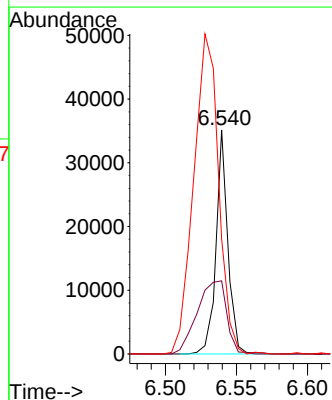
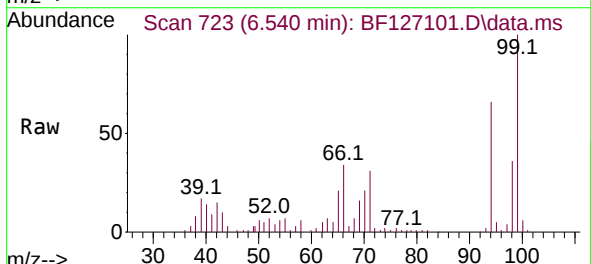
Instrument :
BNA_F
ClientSampleId :
RO-72-11944

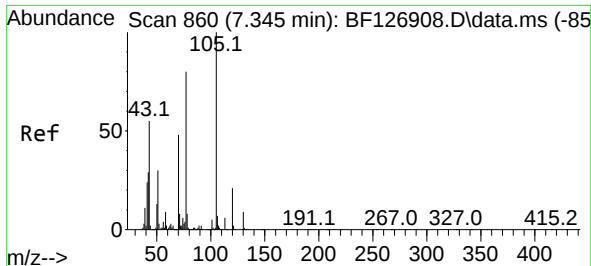
Tgt Ion: 99 Resp: 975395
Ion Ratio Lower Upper
99 100
42 19.9 14.2 21.4
71 41.3 24.3 36.5#



#10
Phenol
Concen: 2.410 ng
RT: 6.540 min Scan# 723
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Tgt Ion: 94 Resp: 20415
Ion Ratio Lower Upper
94 100
65 32.6 7.2 47.2
66 51.4 14.5 54.5



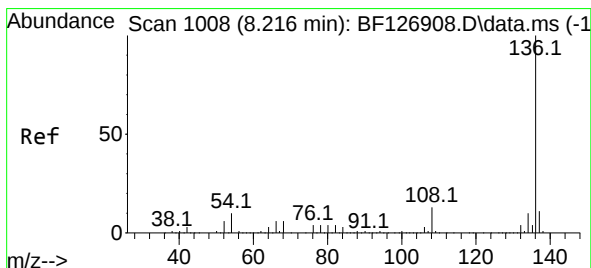
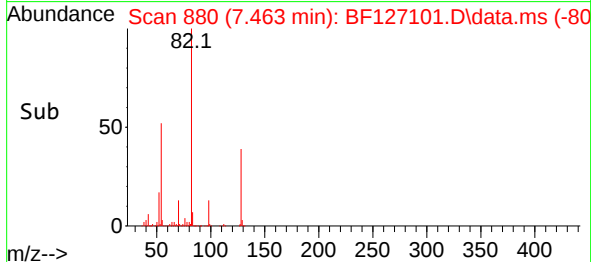
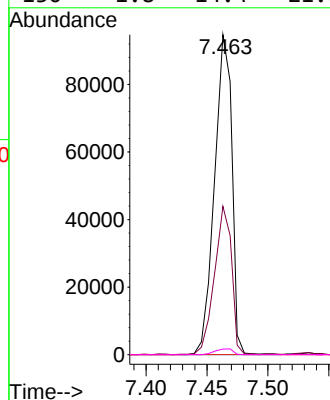
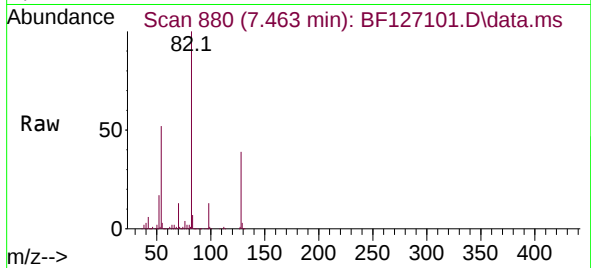


#19
n-Nitroso-di-n-propylamine
Concen: 17.382 ng
RT: 7.463 min Scan# 80
Delta R.T. 0.141 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Instrument :
BNA_F
ClientSampleId :
RO-72-11944

Tgt Ion: 70 Resp: 93902

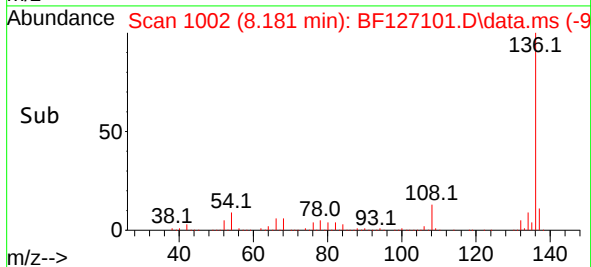
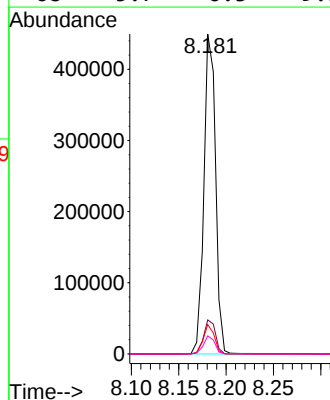
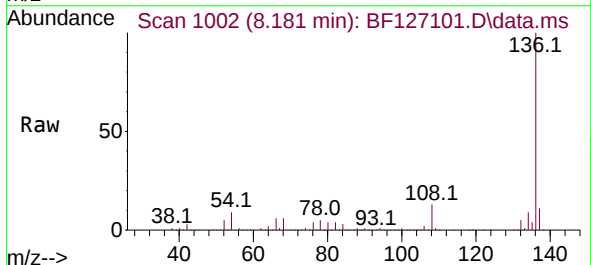
Ion	Ratio	Lower	Upper
70	100		
42	46.4	45.8	68.8
101	0.0	6.9	10.3#
130	1.8	14.4	21.6#

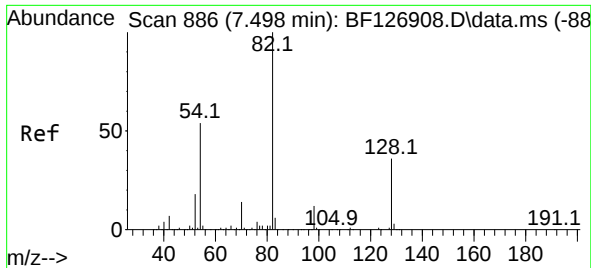


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1002
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Tgt Ion: 136 Resp: 386052

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	9.2	7.8	11.6
68	5.7	6.3	9.5#

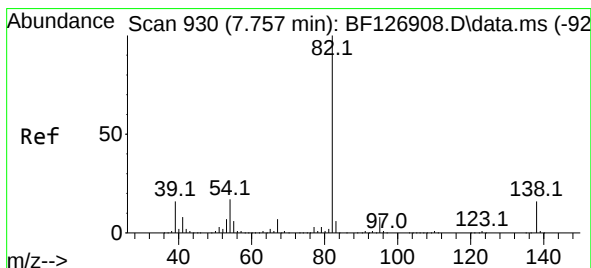
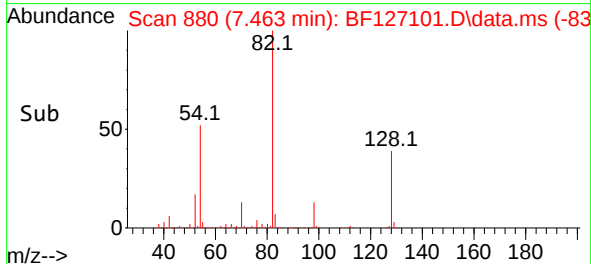
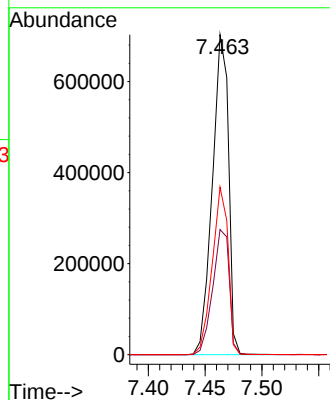
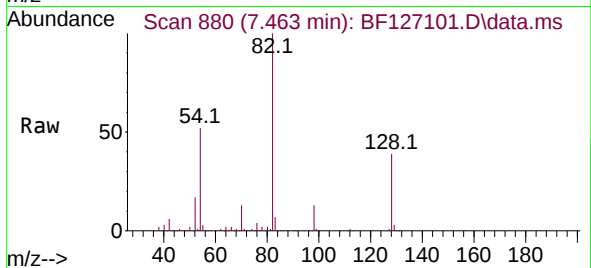




#23
Nitrobenzene-d5
Concen: 81.311 ng
RT: 7.463 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

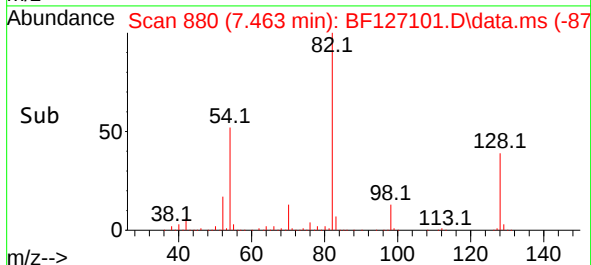
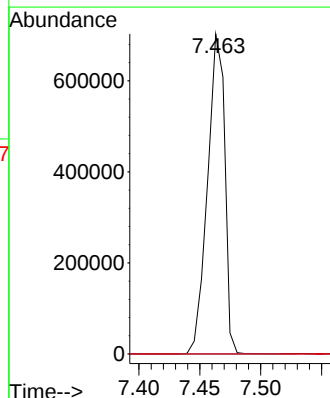
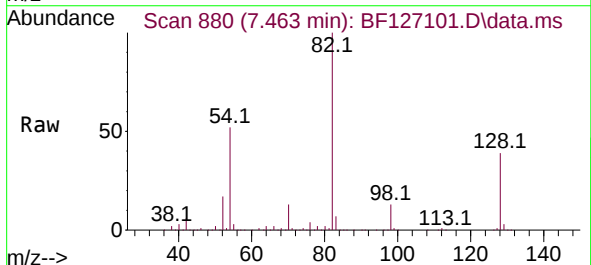
Instrument :
BNA_F
ClientSampleId :
RO-72-11944

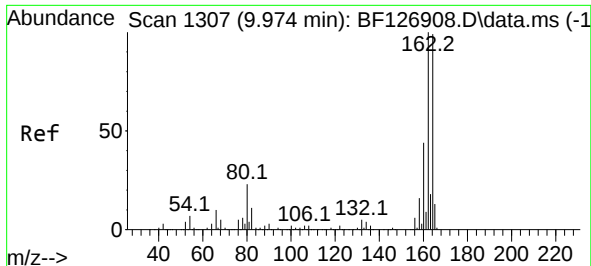
Tgt Ion: 82 Resp: 695440
Ion Ratio Lower Upper
82 100
128 39.1 32.7 49.1
54 52.4 41.7 62.5



#25
Isophorone
Concen: 49.138 ng
RT: 7.463 min Scan# 880
Delta R.T. -0.270 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Tgt Ion: 82 Resp: 695430
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#

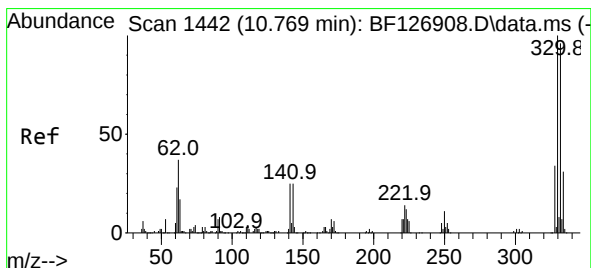
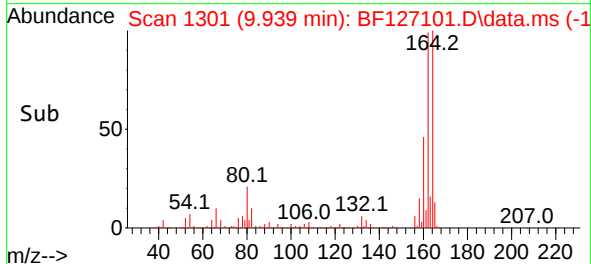
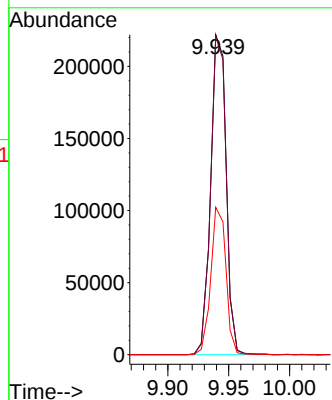
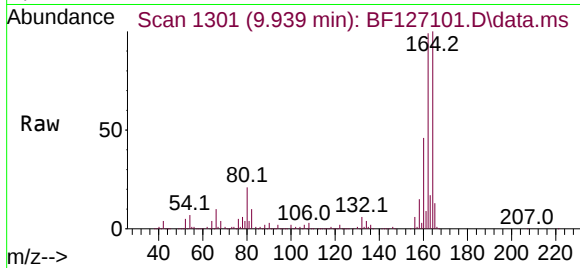




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

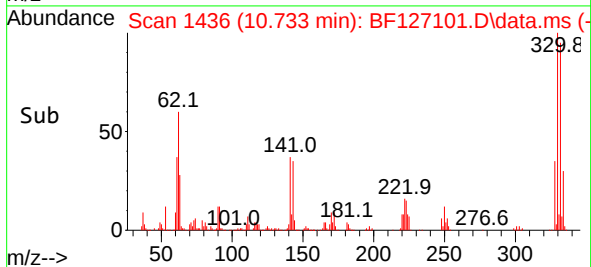
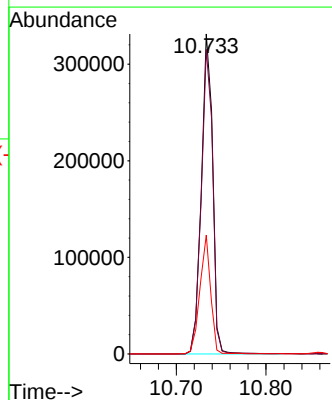
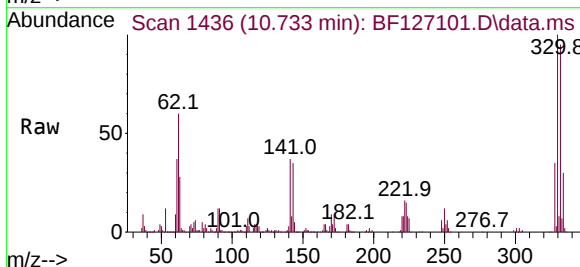
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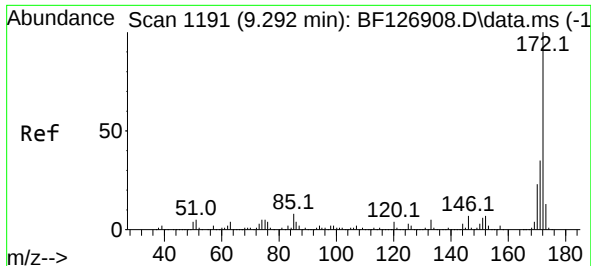
Tgt Ion:164 Resp: 196106
Ion Ratio Lower Upper
164 100
162 99.4 81.4 122.0
160 46.1 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 128.427 ng
RT: 10.733 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Tgt Ion:330 Resp: 289974
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 35.5 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 82.289 ng

RT: 9.263 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF127101.D

Acq: 28 Feb 2022 15:50

Instrument :

BNA_F

ClientSampleId :

RO-72-11944

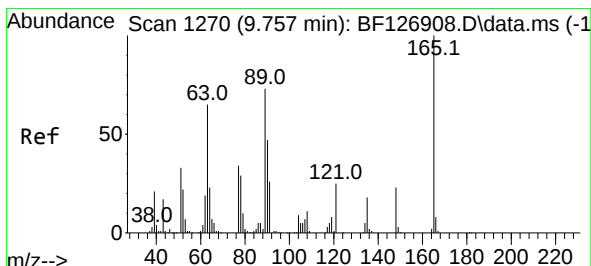
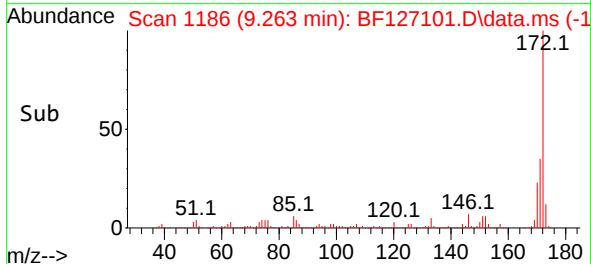
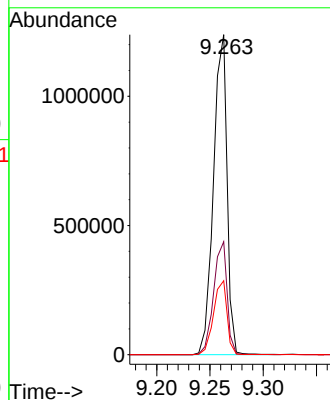
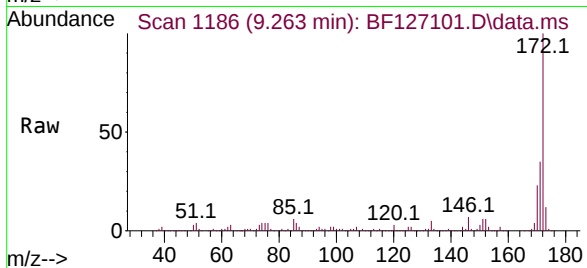
Tgt Ion:172 Resp: 1096167

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.1 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.331 ng

RT: 9.939 min Scan# 1301

Delta R.T. 0.206 min

Lab File: BF127101.D

Acq: 28 Feb 2022 15:50

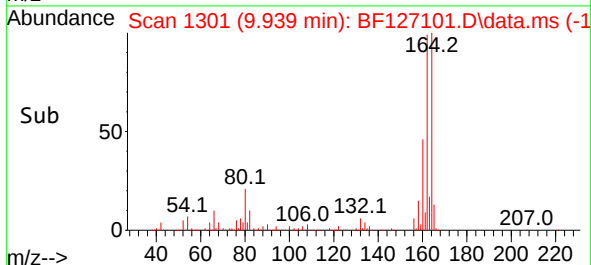
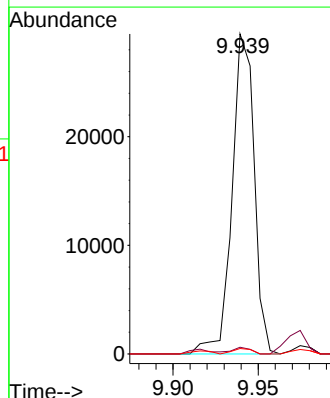
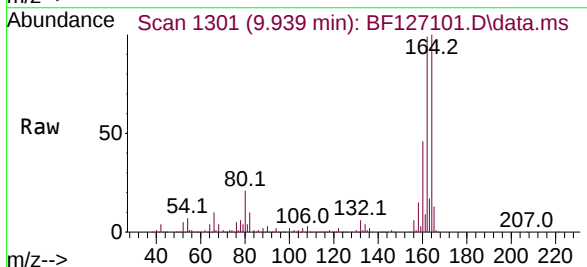
Tgt Ion:165 Resp: 26612

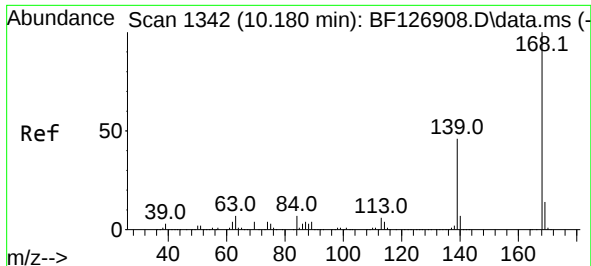
Ion Ratio Lower Upper

165 100

63 2.1 48.4 72.6#

89 1.7 50.5 75.7#

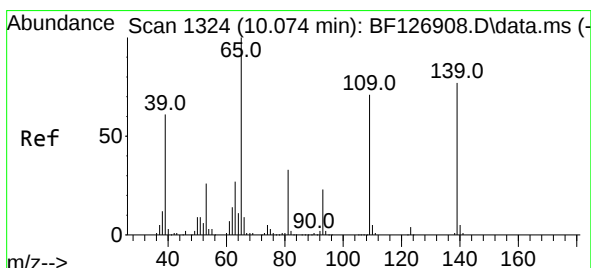
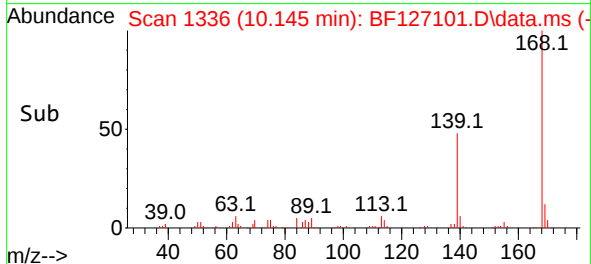
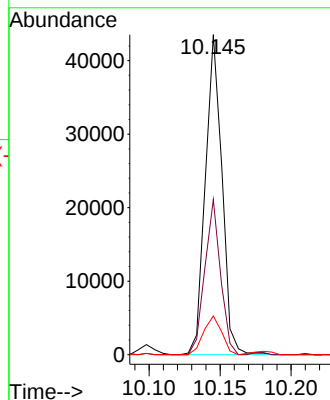
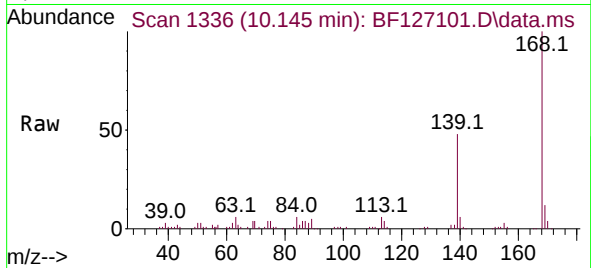




#55
Dibenzenofuran
Concen: 2.118 ng
RT: 10.145 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

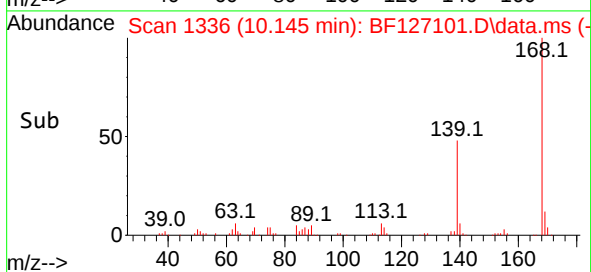
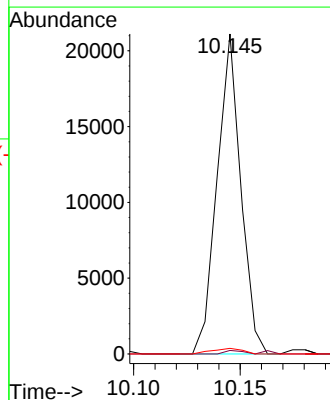
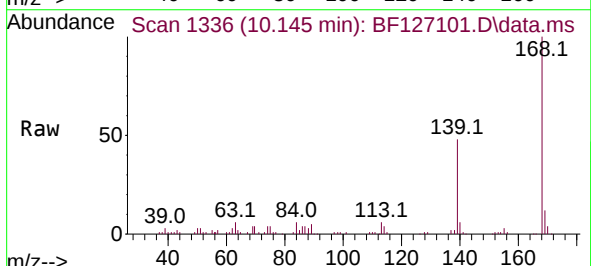
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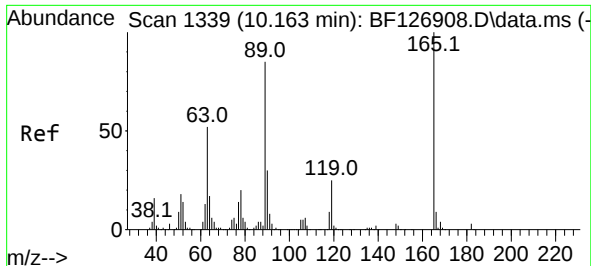
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Ion Ratio Lower Upper
168 100
139 48.5 30.6 46.0#
169 12.1 10.0 15.0



#56
4-Nitrophenol
Concen: 6.335 ng
RT: 10.145 min Scan# 1336
Delta R.T. 0.082 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Tgt Ion:139 Resp: 16312
Ion Ratio Lower Upper
139 100
109 1.1 44.1 84.1#
65 1.8 85.5 125.5#

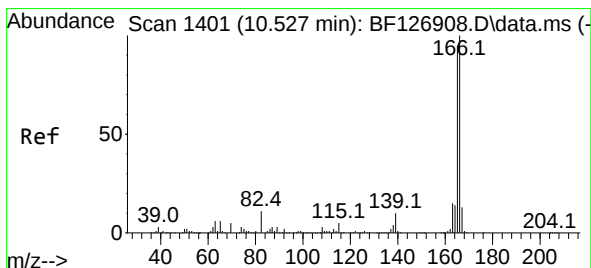
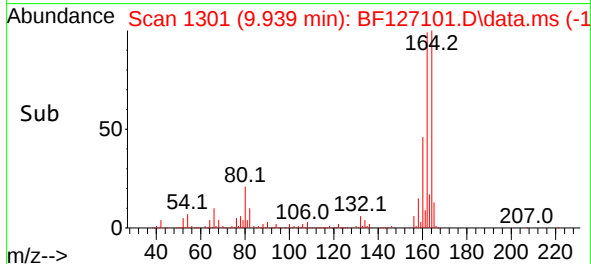
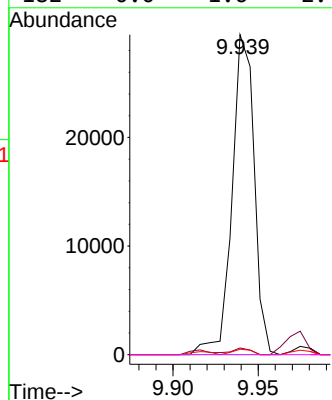
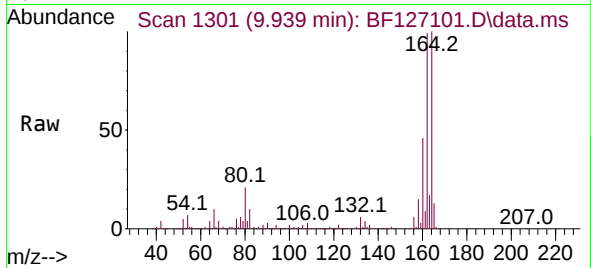




#57
2,4-Dinitrotoluene
Concen: 6.901 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

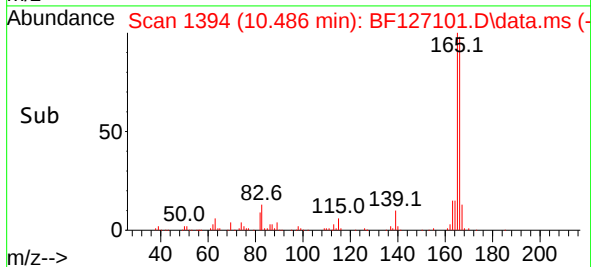
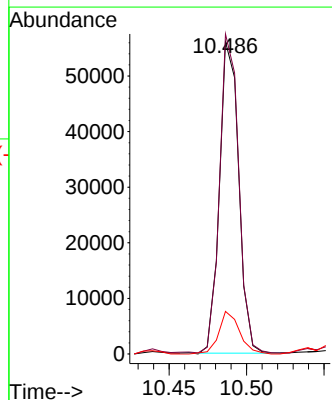
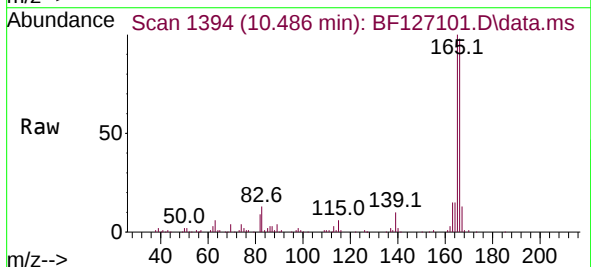
Instrument :
BNA_F
ClientSampleId :
RO-72-11944

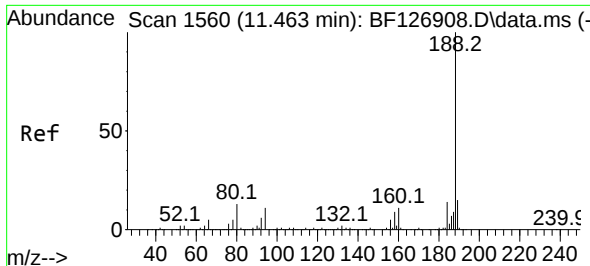
Tgt Ion:165 Resp: 26612
Ion Ratio Lower Upper
165 100
63 2.1 43.0 64.6#
89 1.7 71.0 106.4#
182 0.0 1.6 2.4#



#58
Fluorene
Concen: 3.711 ng
RT: 10.486 min Scan# 1394
Delta R.T. -0.018 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Tgt Ion:166 Resp: 48379
Ion Ratio Lower Upper
166 100
165 102.5 77.7 116.5
167 13.6 10.7 16.1

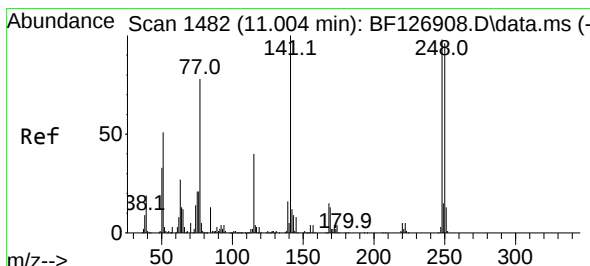
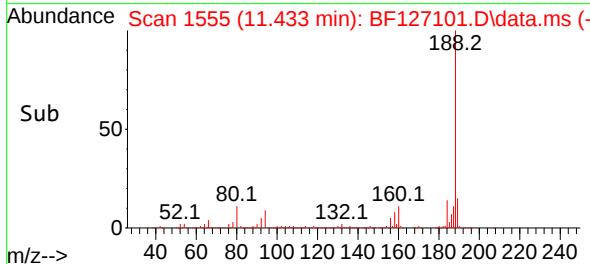
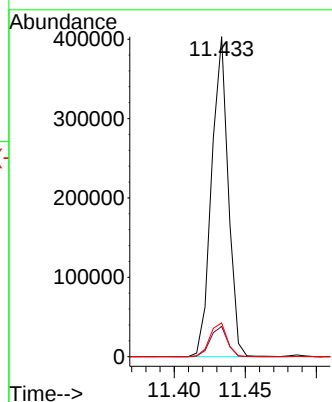
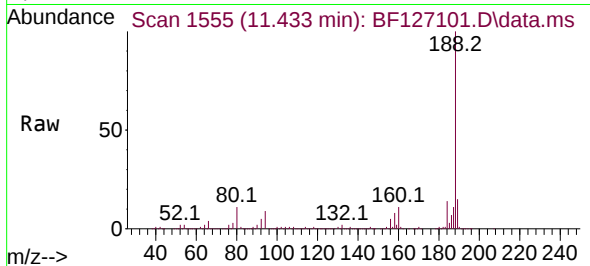




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

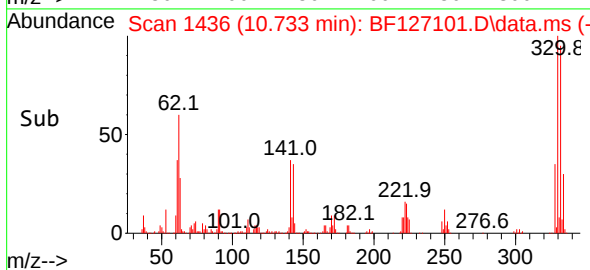
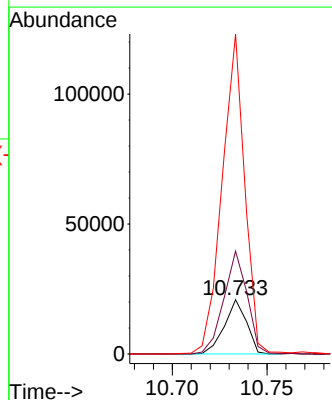
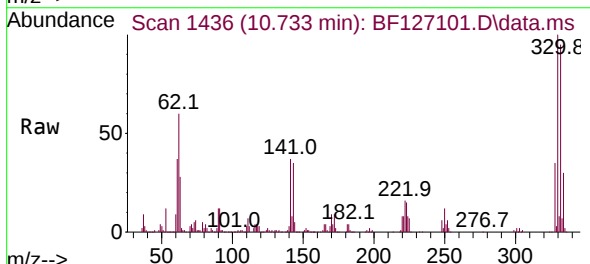
Instrument :
BNA_F
ClientSampleId :
RO-72-11944

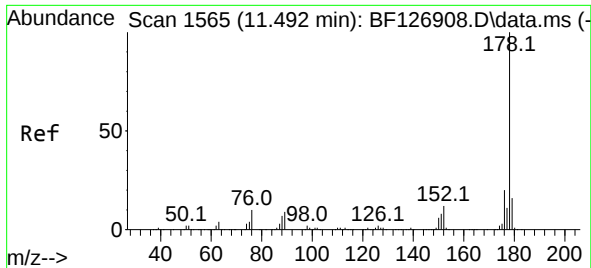
Tgt Ion:188 Resp: 328919
Ion Ratio Lower Upper
188 100
94 9.4 10.1 15.1#
80 10.6 11.8 17.6#



#67
4-Bromophenyl-phenylether
Concen: 4.624 ng
RT: 10.733 min Scan# 1436
Delta R.T. -0.253 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Tgt Ion:248 Resp: 16992
Ion Ratio Lower Upper
248 100
250 189.3 76.2 114.4#
141 589.0 66.2 99.4#

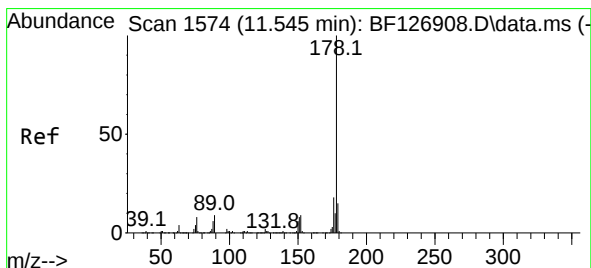
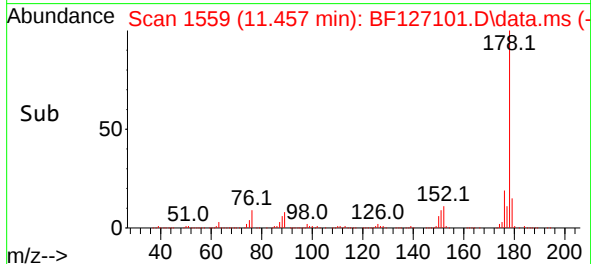
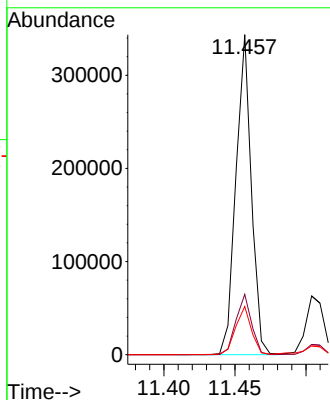
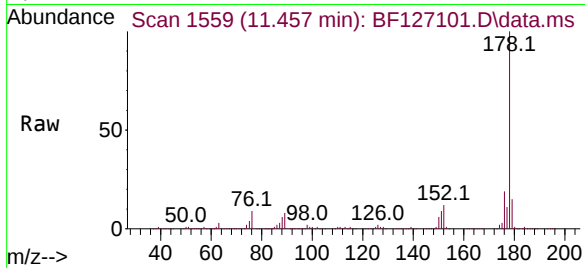




#71
Phenanthrene
Concen: 14.089 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

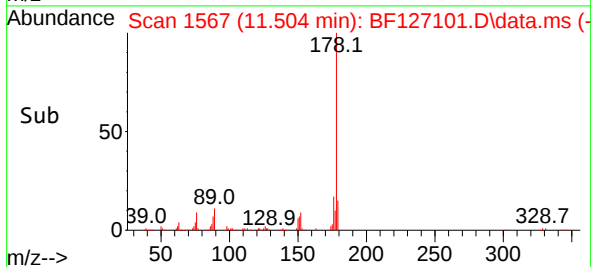
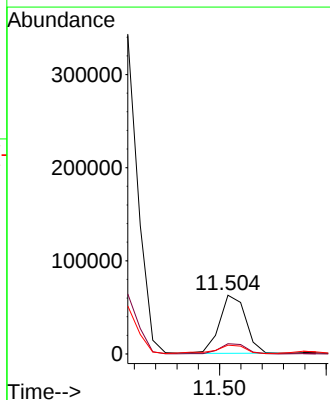
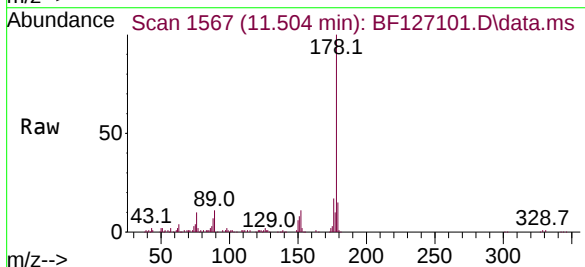
Instrument :
BNA_F
ClientSampleId :
RO-72-11944

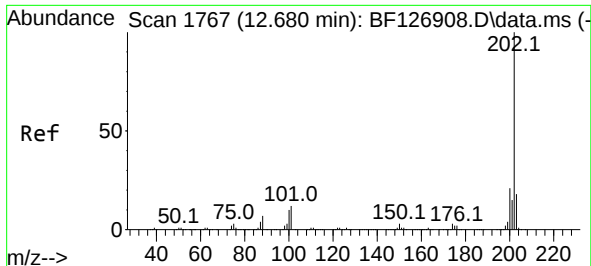
Tgt Ion:178 Resp: 259384
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.1 12.3 18.5



#72
Anthracene
Concen: 2.929 ng
RT: 11.504 min Scan# 1567
Delta R.T. -0.018 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Tgt Ion:178 Resp: 53686
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.6
179 15.1 12.5 18.7

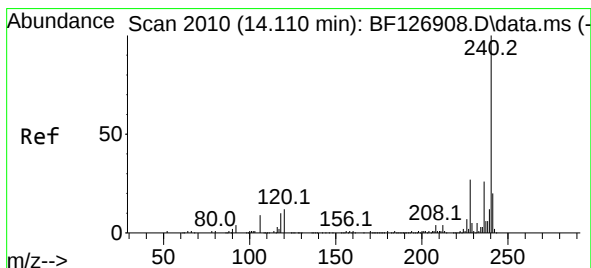
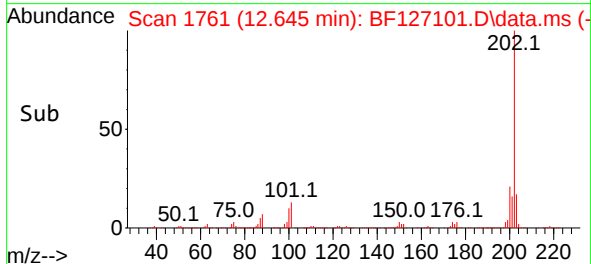
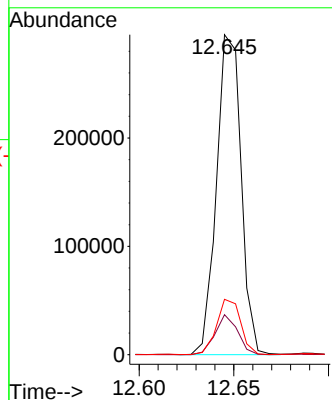
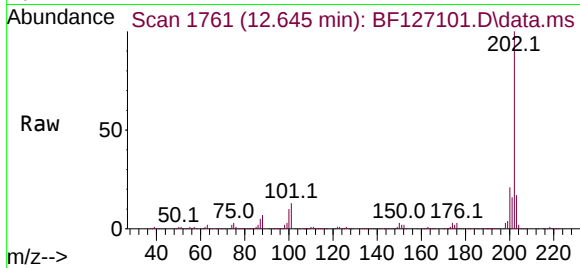




#75
Fluoranthene
Concen: 15.305 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

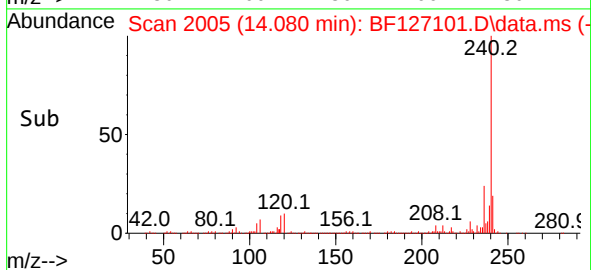
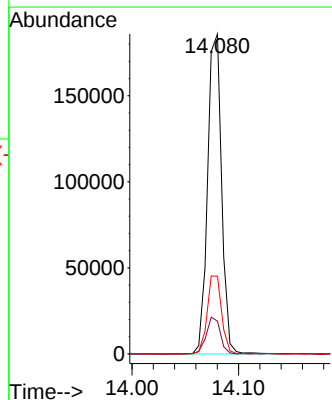
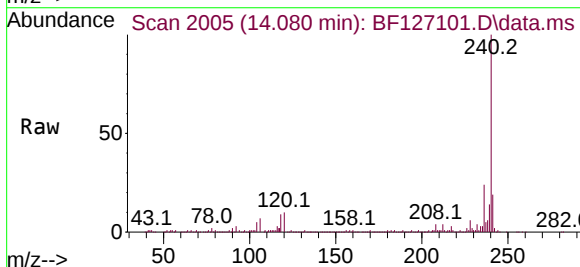
Instrument :
BNA_F
ClientSampleId :
RO-72-11944

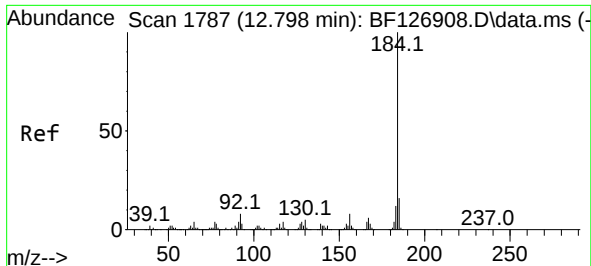
Tgt Ion:202 Resp: 267535
Ion Ratio Lower Upper
202 100
101 12.5 0.0 35.7
203 17.3 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Tgt Ion:240 Resp: 170532
Ion Ratio Lower Upper
240 100
120 10.2 14.4 21.6#
236 24.3 20.5 30.7

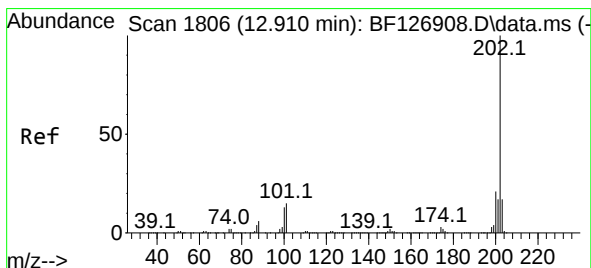
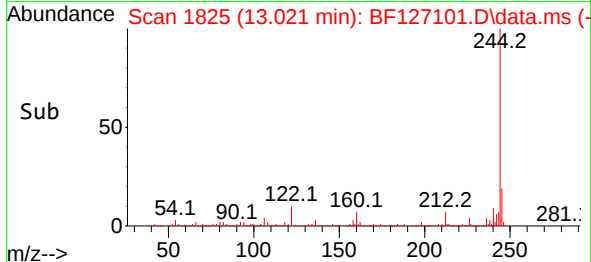
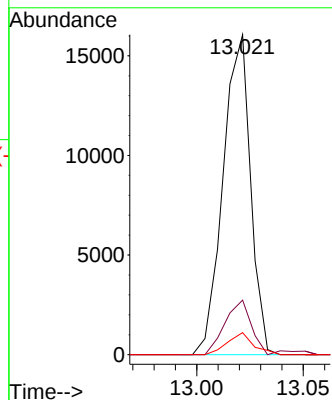
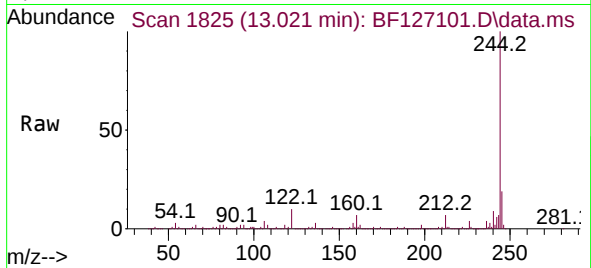




#77
Benzidine
Concen: 3.102 ng
RT: 13.021 min Scan# 1825
Delta R.T. 0.247 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

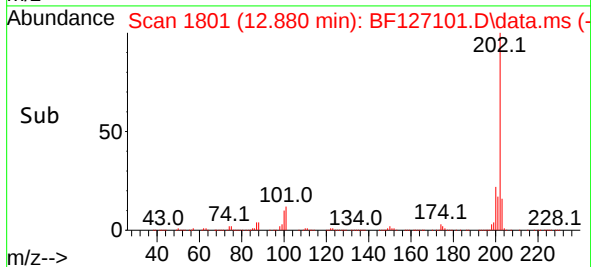
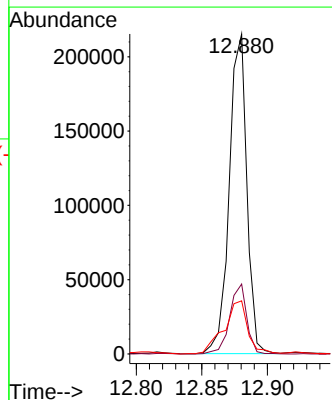
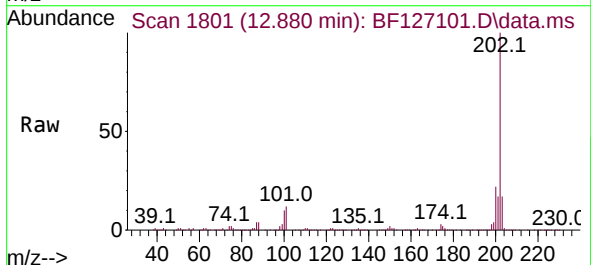
Instrument :
BNA_F
ClientSampleId :
RO-72-11944

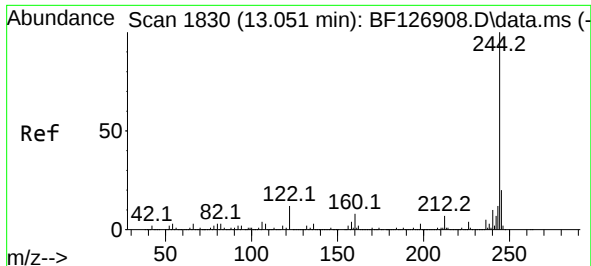
Tgt Ion:184 Resp: 14376
Ion Ratio Lower Upper
184 100
185 17.0 11.8 17.8
183 6.9 8.2 12.2#



#78
Pyrene
Concen: 13.538 ng
RT: 12.880 min Scan# 1801
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Tgt Ion:202 Resp: 200569
Ion Ratio Lower Upper
202 100
200 21.8 16.6 24.8
203 16.6 13.8 20.8

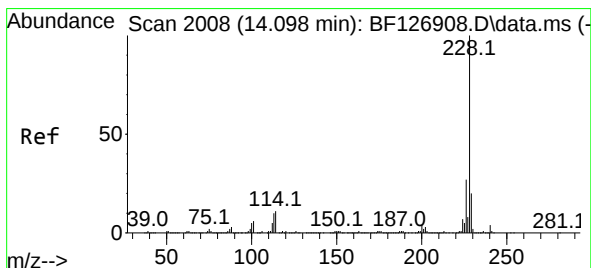
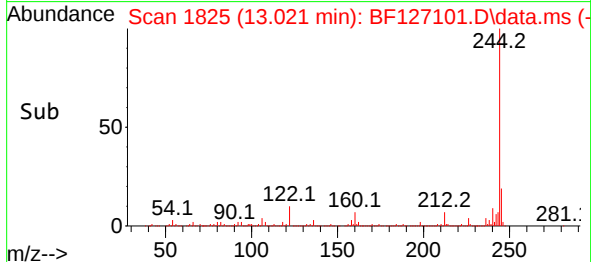
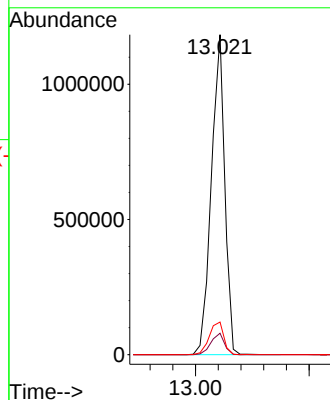
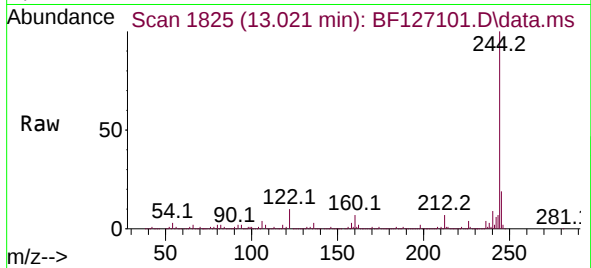




#79
 Terphenyl-d14
 Concen: 83.656 ng
 RT: 13.021 min Scan# 1825
 Delta R.T. -0.006 min
 Lab File: BF127101.D
 Acq: 28 Feb 2022 15:50

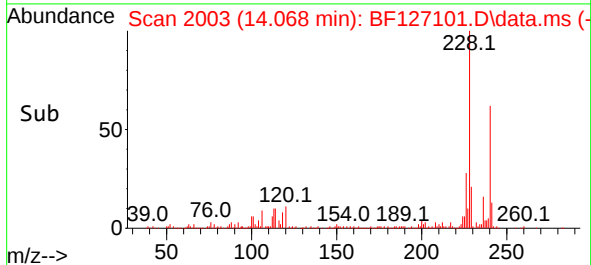
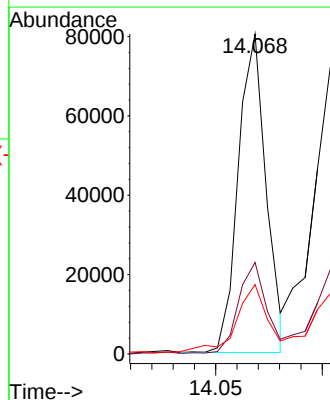
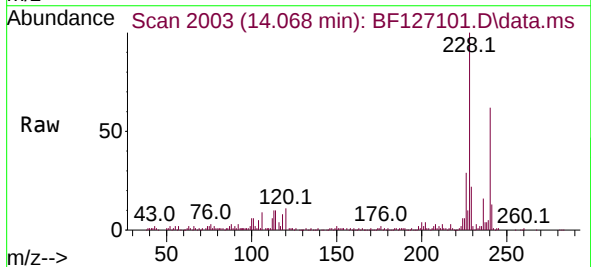
Instrument :
 BNA_F
 ClientSampleId :
 RO-72-11944

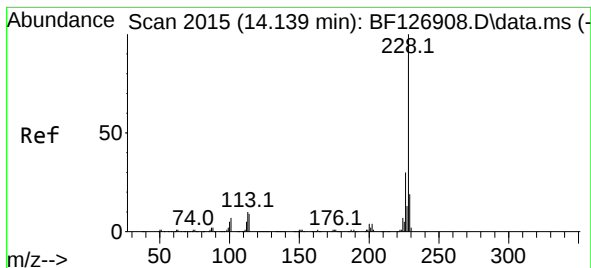
Tgt Ion:244 Resp: 970448
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.0 7.4
 122 10.2 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 6.360 ng
 RT: 14.068 min Scan# 2003
 Delta R.T. -0.012 min
 Lab File: BF127101.D
 Acq: 28 Feb 2022 15:50

Tgt Ion:228 Resp: 73113
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.4 32.0
 229 21.7 15.4 23.2





#83

Chrysene

Concen: 6.307 ng

RT: 14.104 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF127101.D

Acq: 28 Feb 2022 15:50

Instrument :

BNA_F

ClientSampleId :

RO-72-11944

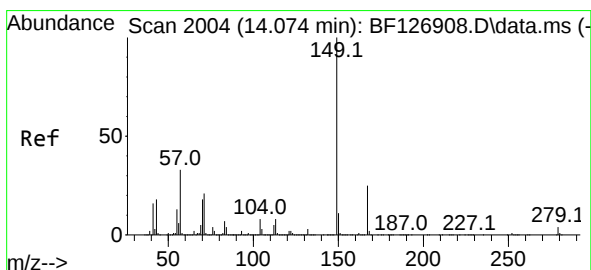
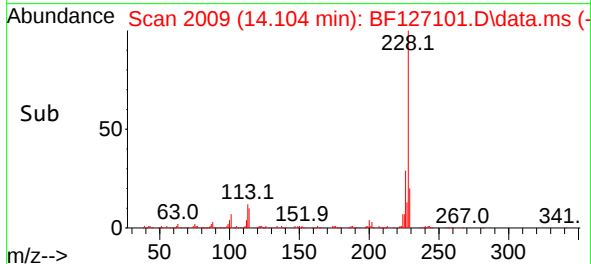
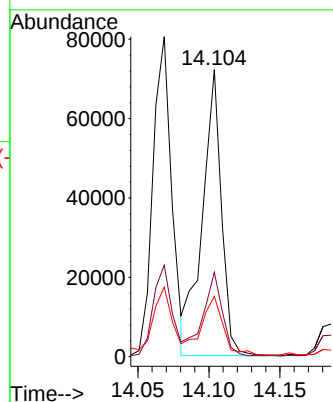
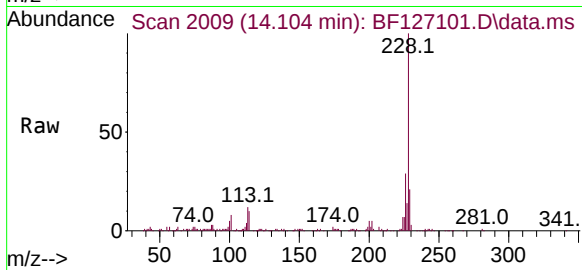
Tgt Ion:228 Resp: 68184

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

229 21.0 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.513 ng

RT: 14.045 min Scan# 1999

Delta R.T. -0.006 min

Lab File: BF127101.D

Acq: 28 Feb 2022 15:50

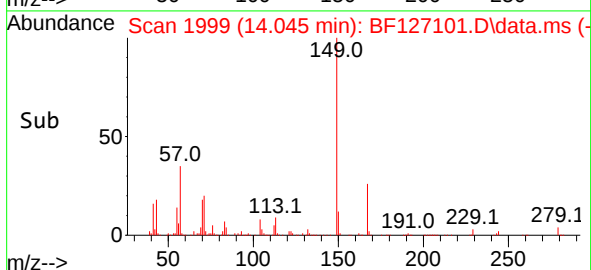
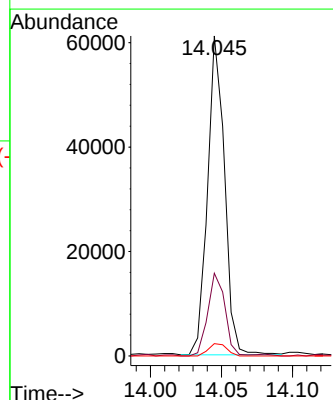
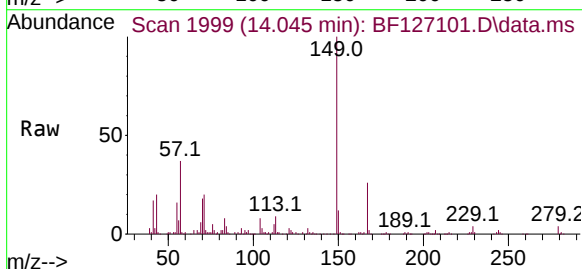
Tgt Ion:149 Resp: 50767

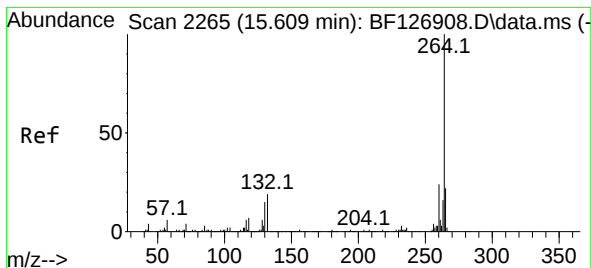
Ion Ratio Lower Upper

149 100

167 25.8 21.4 32.2

279 3.8 2.4 3.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF127101.D

Acq: 28 Feb 2022 15:50

Instrument :

BNA_F

ClientSampleId :

RO-72-11944

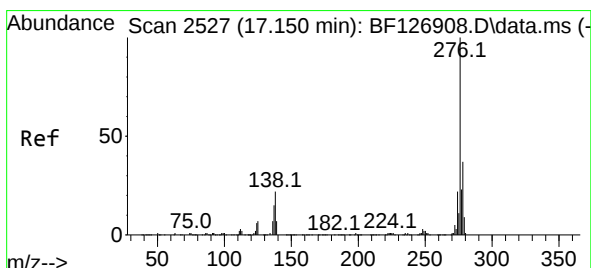
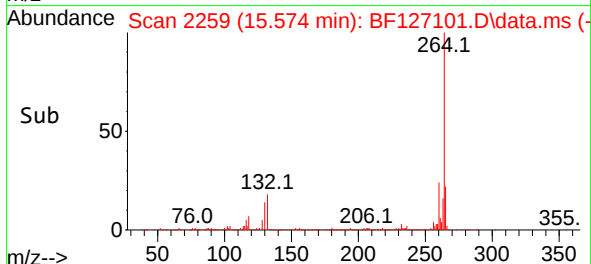
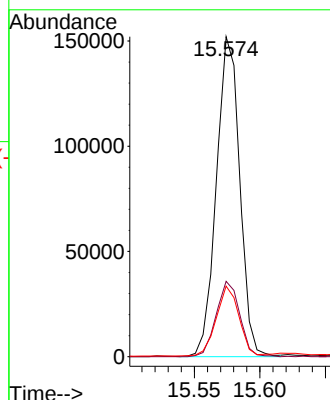
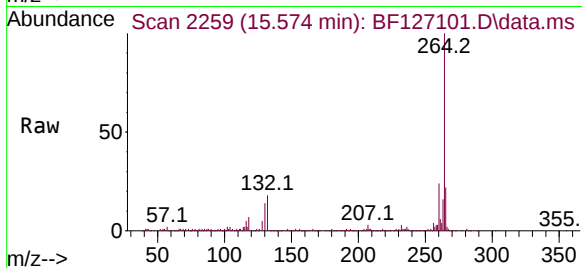
Tgt Ion:264 Resp: 188189

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.0 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.339 ng

RT: 17.086 min Scan# 2516

Delta R.T. -0.029 min

Lab File: BF127101.D

Acq: 28 Feb 2022 15:50

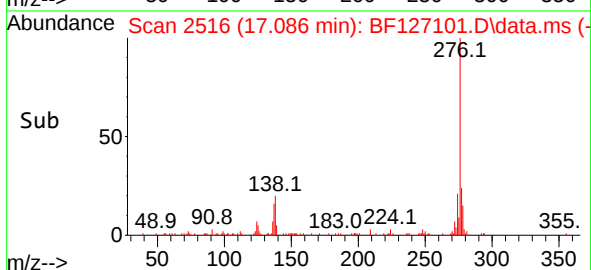
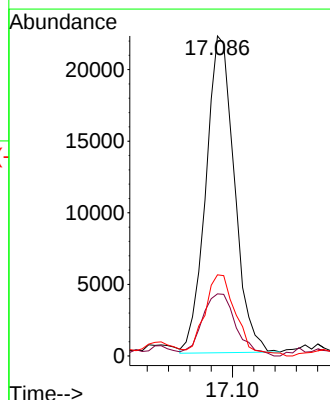
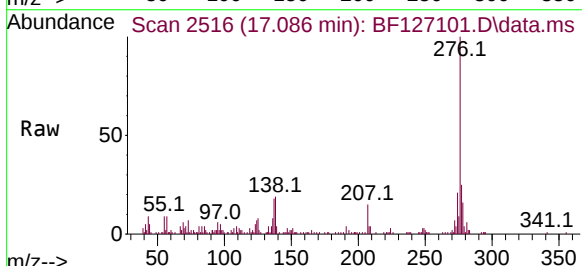
Tgt Ion:276 Resp: 41203

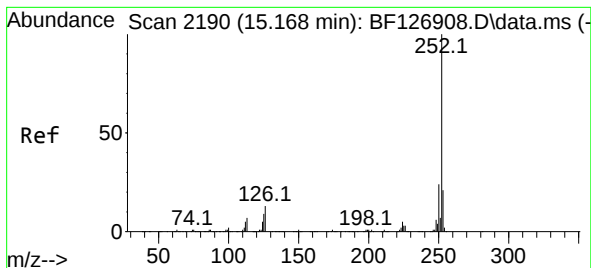
Ion Ratio Lower Upper

276 100

138 23.3 29.2 43.8#

277 28.0 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 9.736 ng

RT: 15.133 min Scan# 2184

Delta R.T. -0.012 min

Lab File: BF127101.D

Acq: 28 Feb 2022 15:50

Instrument :

BNA_F

ClientSampleId :

RO-72-11944

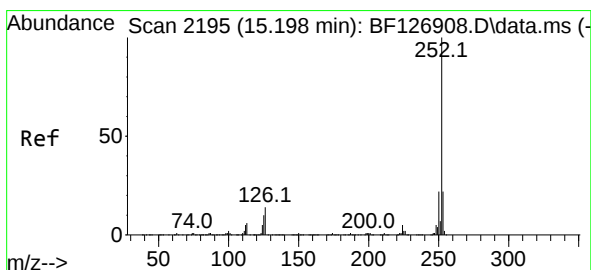
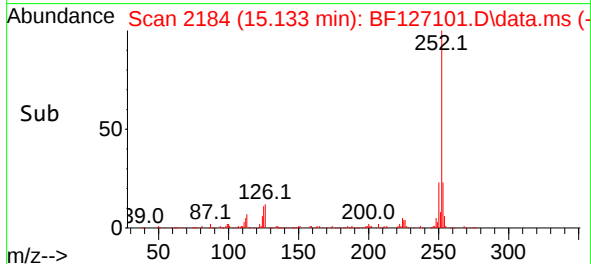
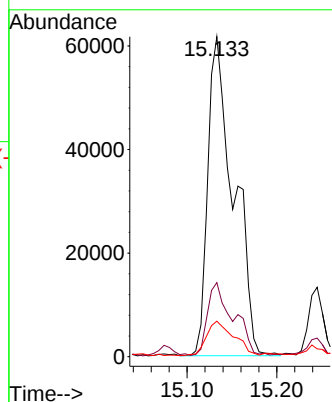
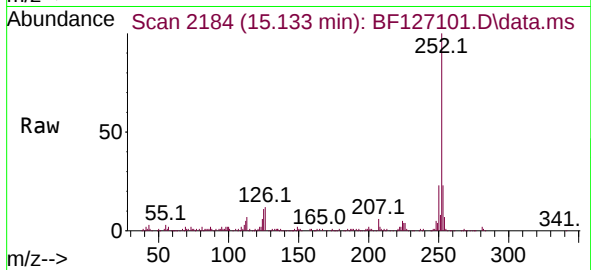
Tgt Ion:252 Resp: 123062

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 11.1 12.4 18.6#



#89

Benzo(k)fluoranthene

Concen: 10.094 ng

RT: 15.133 min Scan# 2184

Delta R.T. -0.041 min

Lab File: BF127101.D

Acq: 28 Feb 2022 15:50

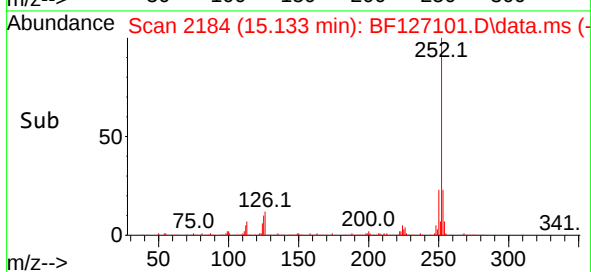
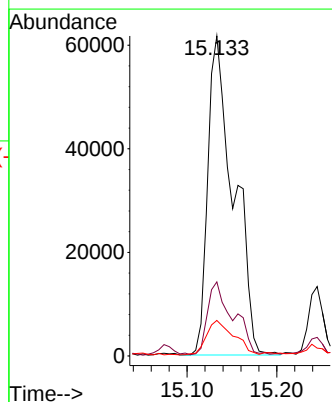
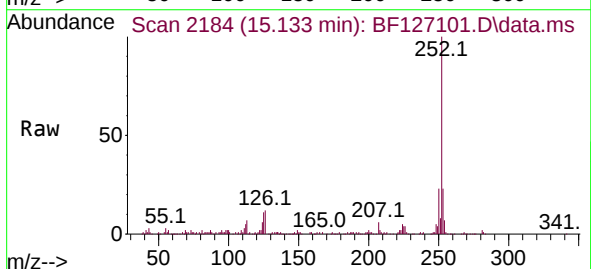
Tgt Ion:252 Resp: 123062

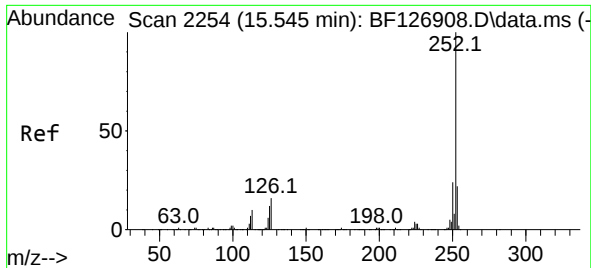
Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 11.1 11.8 17.6#

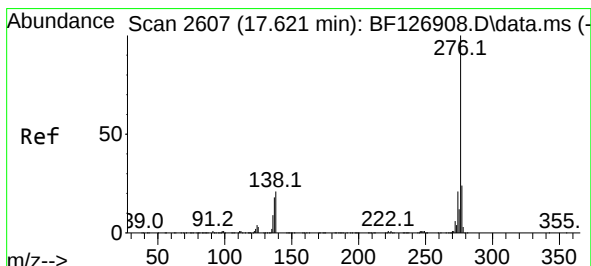
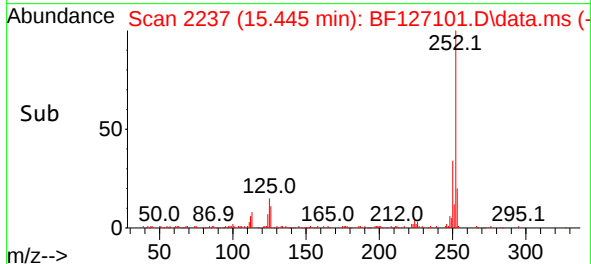
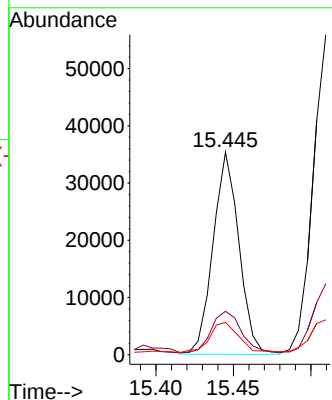
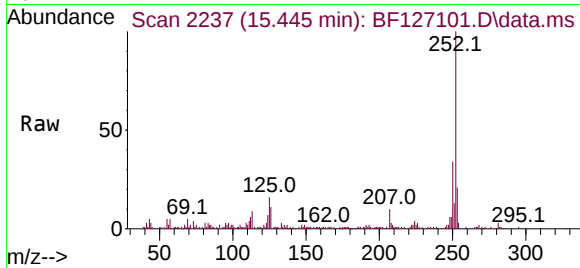




#90
Benzo(a)pyrene
Concen: 4.157 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.076 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Instrument :
BNA_F
ClientSampleId :
RO-72-11944

Tgt Ion:252 Resp: 41040
Ion Ratio Lower Upper
252 100
253 21.4 17.1 25.7
125 16.0 13.0 19.6



#92
Benzo(g,h,i)perylene
Concen: 3.783 ng
RT: 17.551 min Scan# 2595
Delta R.T. -0.029 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Tgt Ion:276 Resp: 38059
Ion Ratio Lower Upper
276 100
277 21.2 18.5 27.7
138 22.5 25.9 38.9#

