

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
 Data File : BF126736.D
 Acq On : 29 Jan 2022 00:15
 Operator : CG/JU
 Sample : N1315-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-012722

Quant Time: Jan 29 02:32:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 27 03:09:40 2022
 Response via : Initial Calibration

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

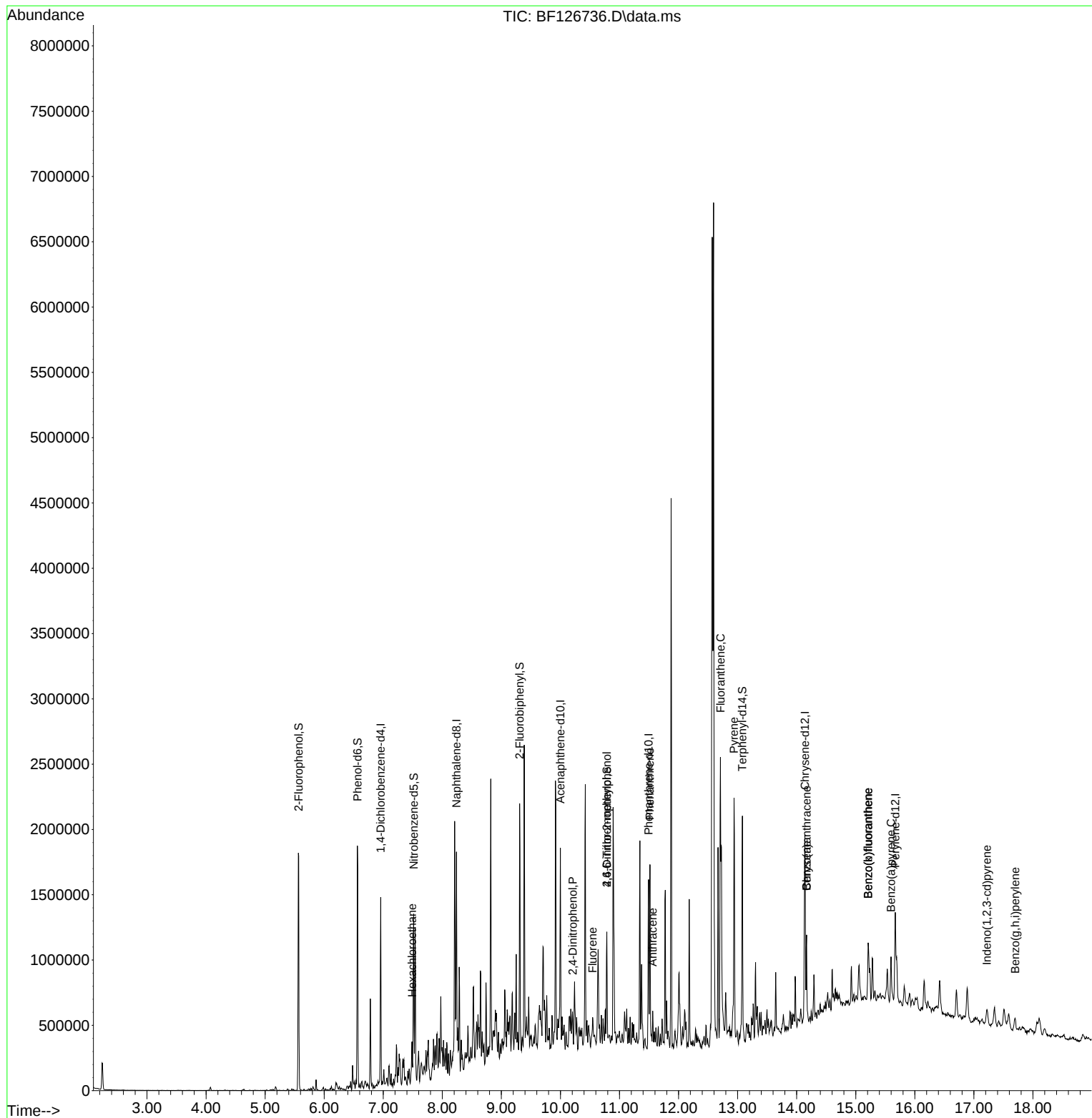
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	164838	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	569377	20.000	ng	# 0.00
39) Acenaphthene-d10	9.998	164	263511	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	421656	20.000	ng	0.00
76) Chrysene-d12	14.139	240	398440	20.000	ng	0.00
86) Perylene-d12	15.668	264	307571	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	514656	41.085	ng	0.00
7) Phenol-d6	6.563	99	654101	37.583	ng	-0.01
23) Nitrobenzene-d5	7.516	82	423564	29.117	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	87383	35.434	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	503096	29.239	ng	0.00
79) Terphenyl-d14	13.080	244	525307	22.113	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.510	77	2467	Below Cal	#	1
18) Hexachloroethane	7.486	117	10839	2.084	ng	# 1
54) 2,4-Dinitrophenol	10.210	184	263	4.115	ng	# 1
58) Fluorene	10.545	166	37717	2.222	ng	97
65) 4,6-Dinitro-2-methylph...	10.786	198	119	7.422	ng	# 1
71) Phenanthrene	11.516	178	417343	17.325	ng	99
72) Anthracene	11.563	178	79852	3.304	ng	99
75) Fluoranthene	12.710	202	567956	23.870	ng	99
78) Pyrene	12.939	202	522022	16.201	ng	100
81) Benzo(a)anthracene	14.168	228	261503	9.656	ng	93
83) Chrysene	14.168	228	261503	10.035	ng	97
87) Indeno(1,2,3-cd)pyrene	17.221	276	77532	4.080	ng	# 89
88) Benzo(b)fluoranthene	15.209	252	334307	16.390	ng	99
89) Benzo(k)fluoranthene	15.209	252	334307	16.693	ng	98
90) Benzo(a)pyrene	15.598	252	167784	10.110	ng	95
92) Benzo(g,h,i)perylene	17.698	276	80684	5.227	ng	# 90

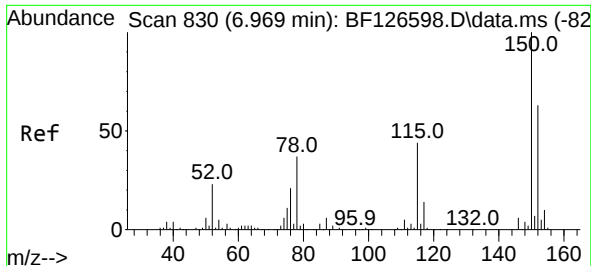
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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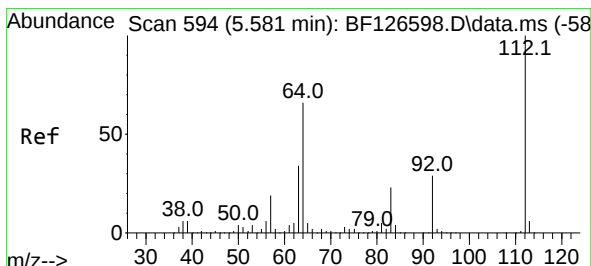
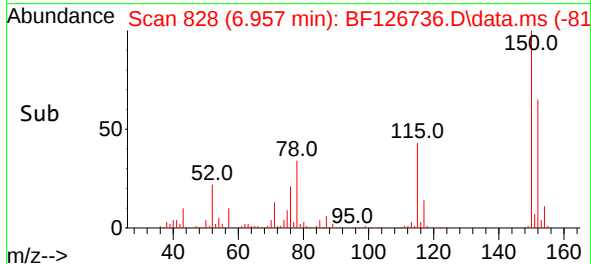
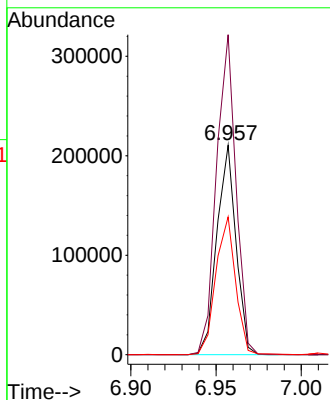
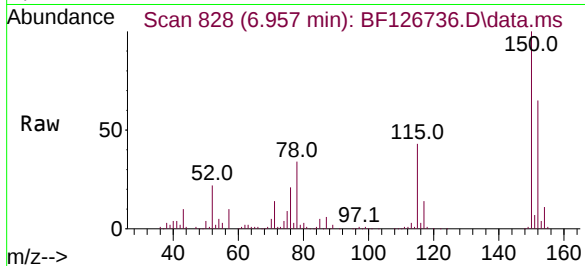




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF126736.D
Acq: 29 Jan 2022 00:15

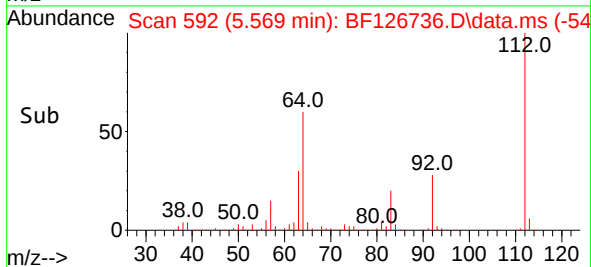
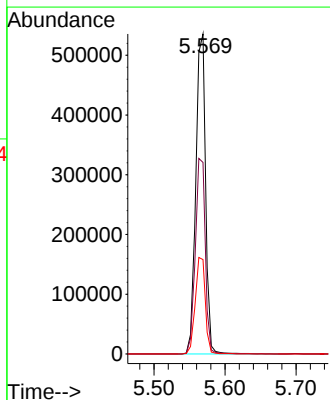
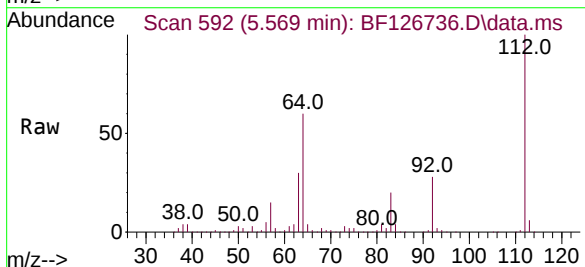
Instrument :
BNA_F
ClientSampleId :
OK-02-012722

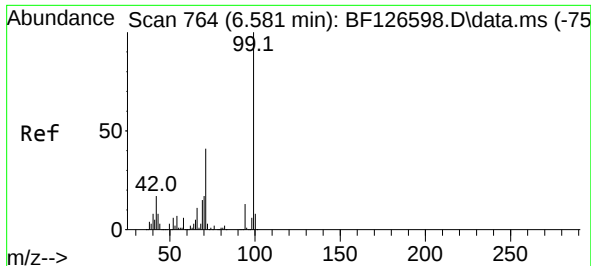
Tgt Ion:152 Resp: 164838
Ion Ratio Lower Upper
152 100
150 152.8 128.1 192.1
115 65.8 56.7 85.1



#5
2-Fluorophenol
Concen: 41.085 ng
RT: 5.569 min Scan# 592
Delta R.T. -0.000 min
Lab File: BF126736.D
Acq: 29 Jan 2022 00:15

Tgt Ion:112 Resp: 514656
Ion Ratio Lower Upper
112 100
64 59.8 49.5 74.3
63 29.5 23.9 35.9





#7

Phenol-d6

Concen: 37.583 ng

RT: 6.563 min Scan# 761

Delta R.T. -0.012 min

Lab File: BF126736.D

Acq: 29 Jan 2022 00:15

Instrument :

BNA_F

ClientSampleId :

OK-02-012722

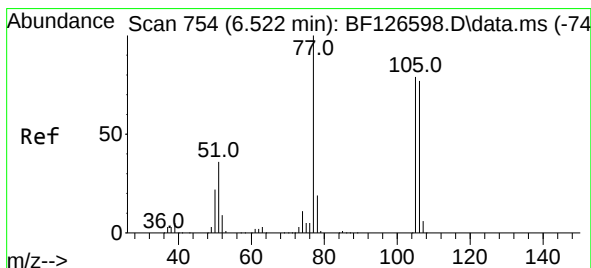
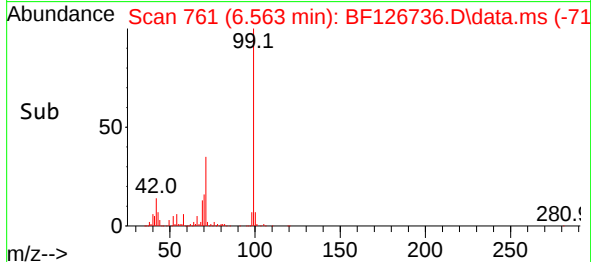
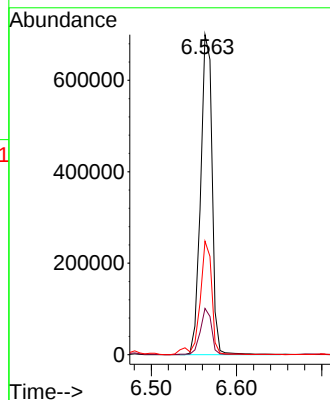
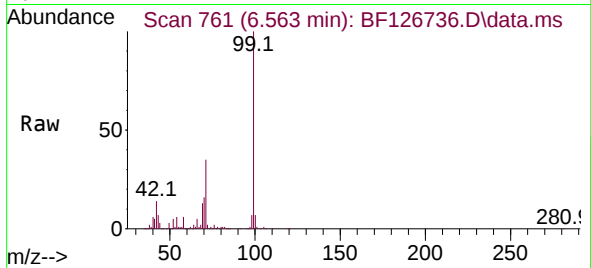
Tgt Ion: 99 Resp: 654101

Ion Ratio Lower Upper

99 100

42 14.4 14.2 21.4

71 35.5 24.3 36.5



#9

Benzaldehyde

Concen: Below Cal

RT: 6.510 min Scan# 752

Delta R.T. -0.000 min

Lab File: BF126736.D

Acq: 29 Jan 2022 00:15

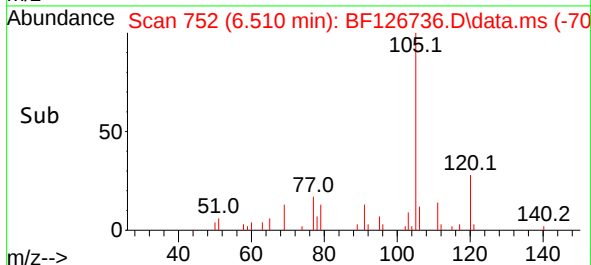
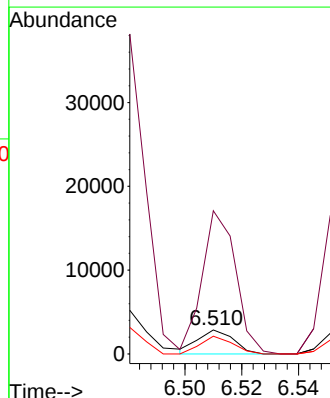
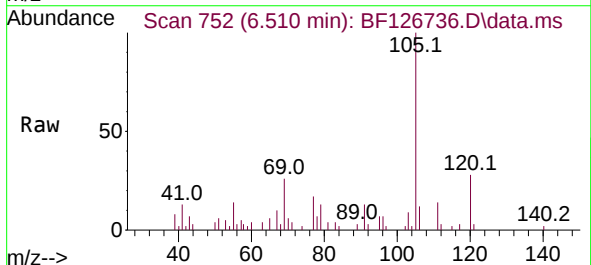
Tgt Ion: 77 Resp: 2467

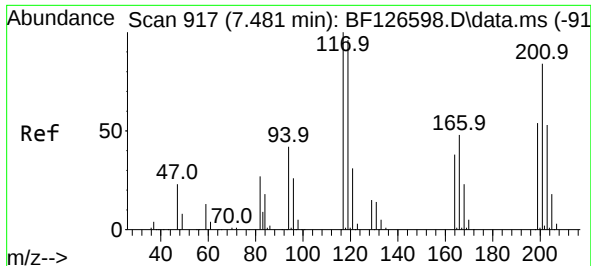
Ion Ratio Lower Upper

77 100

105 597.5 74.9 114.9#

106 74.1 72.4 112.4

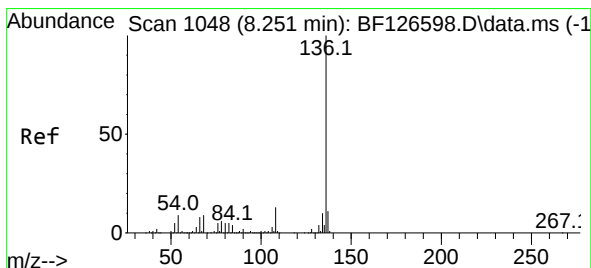
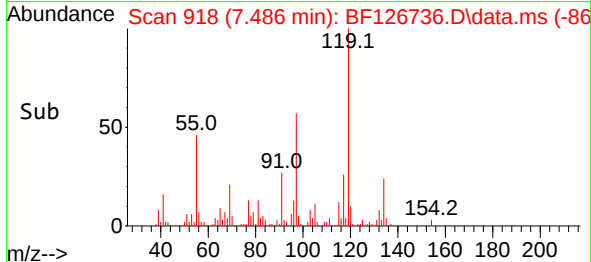
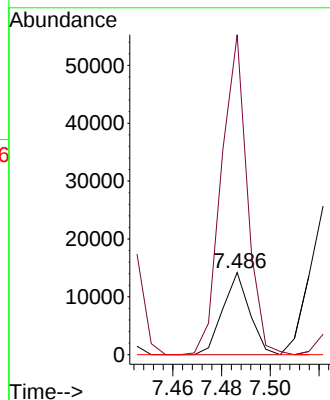
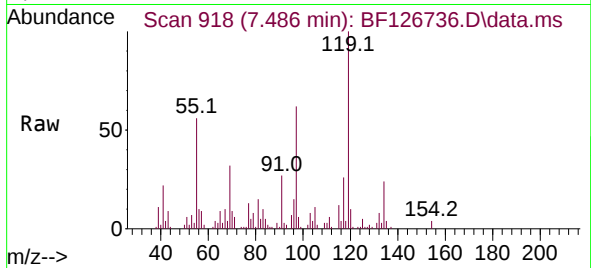




#18
Hexachloroethane
Concen: 2.084 ng
RT: 7.486 min Scan# 91
Delta R.T. 0.018 min
Lab File: BF126736.D
Acq: 29 Jan 2022 00:15

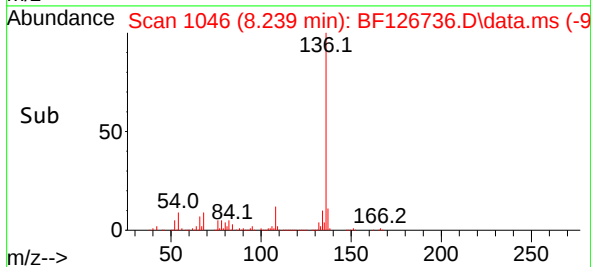
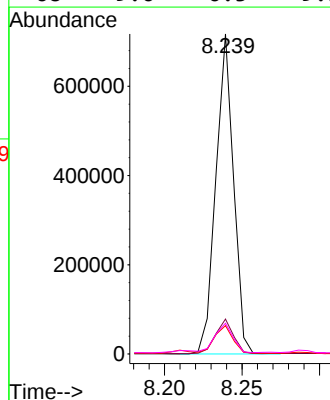
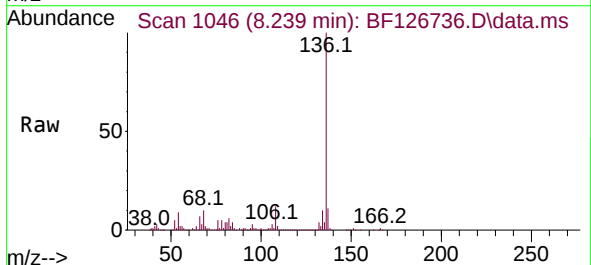
Instrument :
BNA_F
ClientSampleId :
OK-02-012722

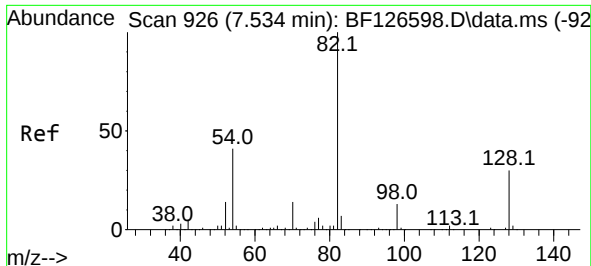
Tgt Ion:117 Resp: 10839
Ion Ratio Lower Upper
117 100
119 389.8 75.4 113.0#
201 0.0 56.8 85.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF126736.D
Acq: 29 Jan 2022 00:15

Tgt Ion:136 Resp: 569377
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.8 7.8 11.6
68 9.6 6.3 9.5#





#23

Nitrobenzene-d5

Concen: 29.117 ng

RT: 7.516 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF126736.D

Acq: 29 Jan 2022 00:15

Instrument :

BNA_F

ClientSampleId :

OK-02-012722

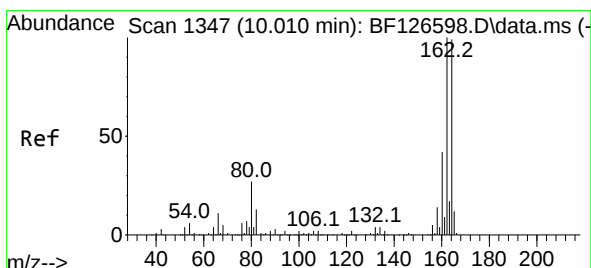
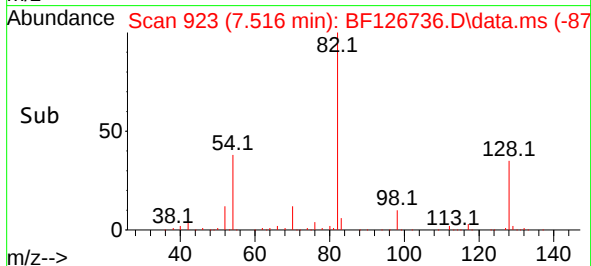
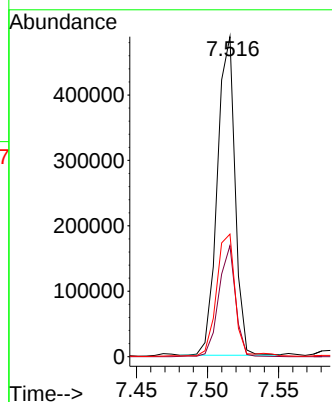
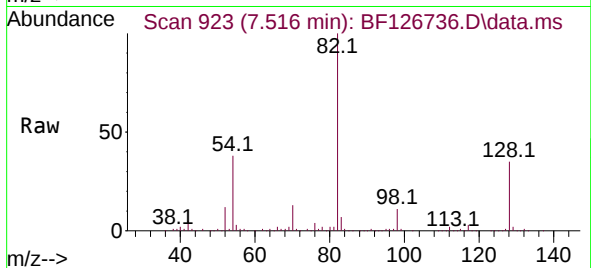
Tgt Ion: 82 Resp: 423564

Ion Ratio Lower Upper

82 100

128 34.7 32.7 49.1

54 38.3 41.7 62.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1345

Delta R.T. -0.000 min

Lab File: BF126736.D

Acq: 29 Jan 2022 00:15

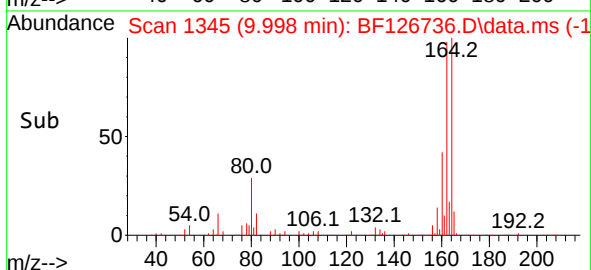
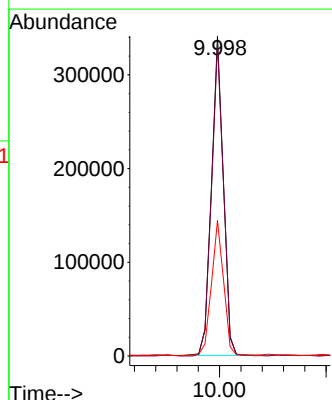
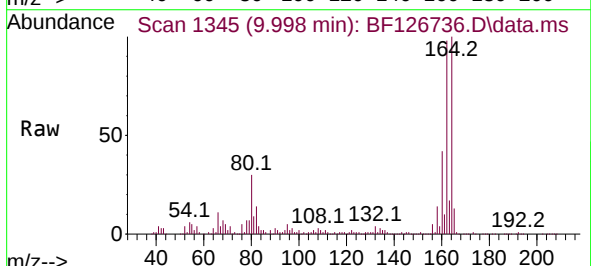
Tgt Ion: 164 Resp: 263511

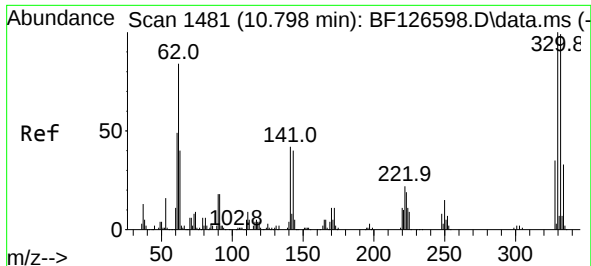
Ion Ratio Lower Upper

164 100

162 97.6 81.4 122.0

160 42.3 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 35.434 ng

RT: 10.786 min Scan# 1481

Delta R.T. -0.006 min

Lab File: BF126736.D

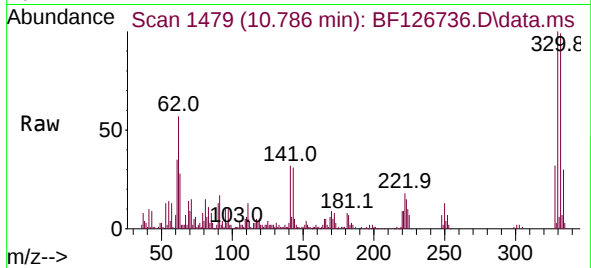
Acq: 29 Jan 2022 00:15

Instrument :

BNA_F

ClientSampleId :

OK-02-012722



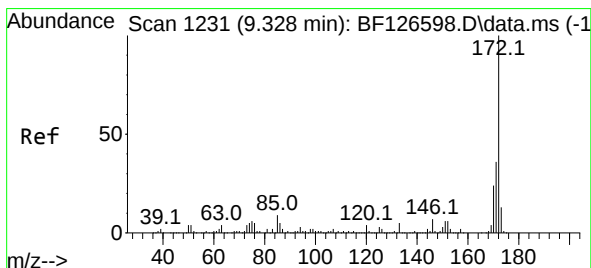
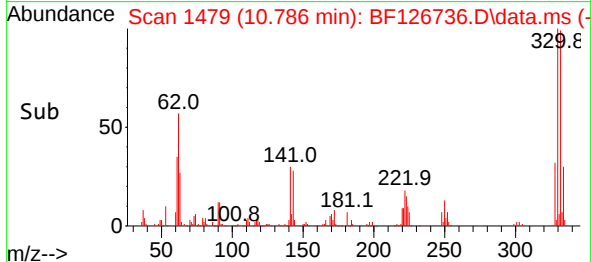
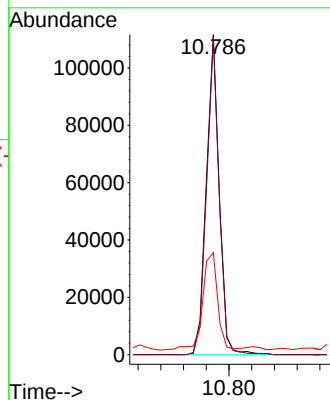
Tgt Ion:330 Resp: 87383

Ion Ratio Lower Upper

330 100

332 96.8 76.0 114.0

141 35.4 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 29.239 ng

RT: 9.310 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF126736.D

Acq: 29 Jan 2022 00:15

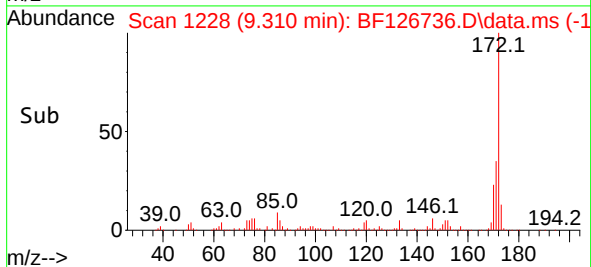
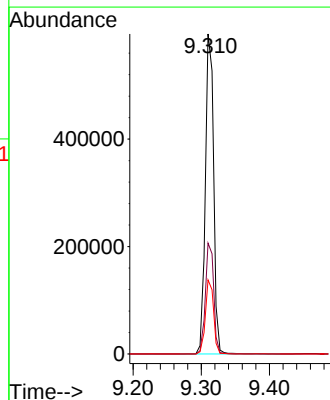
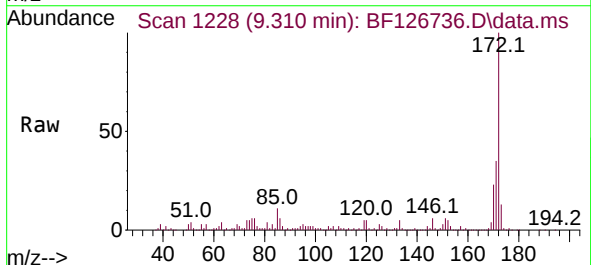
Tgt Ion:172 Resp: 503096

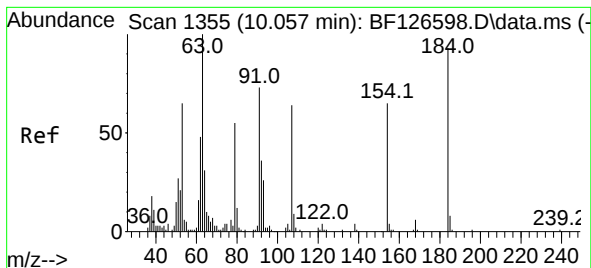
Ion Ratio Lower Upper

172 100

171 34.7 28.3 42.5

170 23.1 19.0 28.6





#54

2,4-Dinitrophenol

Concen: 4.115 ng

RT: 10.210 min Scan# 11

Delta R.T. 0.159 min

Lab File: BF126736.D

Acq: 29 Jan 2022 00:15

Instrument :

BNA_F

ClientSampleId :

OK-02-012722

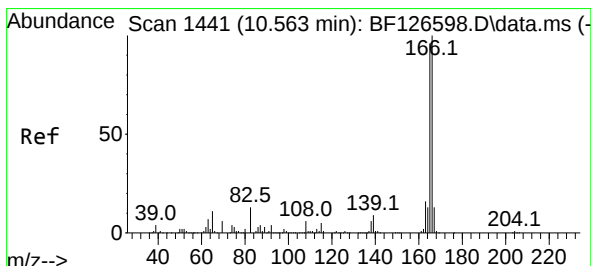
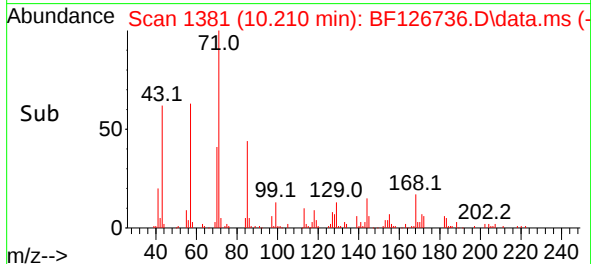
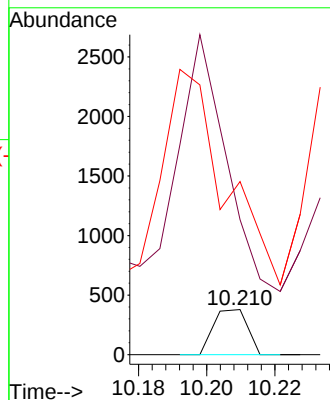
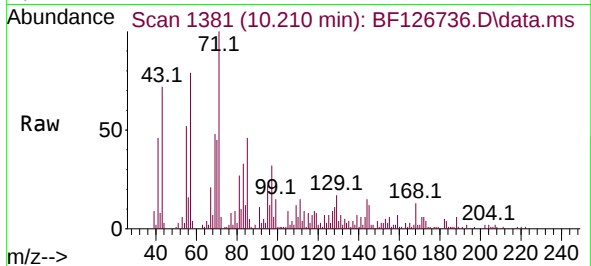
Tgt Ion:184 Resp: 263

Ion Ratio Lower Upper

184 100

63 299.2 70.4 105.6#

154 383.6 49.7 74.5#



#58

Fluorene

Concen: 2.222 ng

RT: 10.545 min Scan# 1438

Delta R.T. -0.006 min

Lab File: BF126736.D

Acq: 29 Jan 2022 00:15

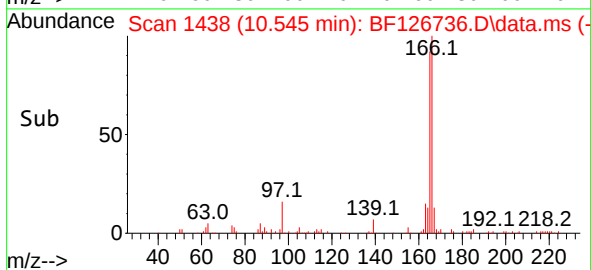
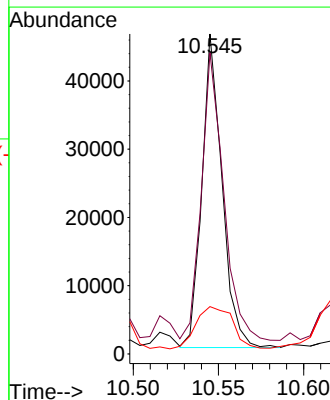
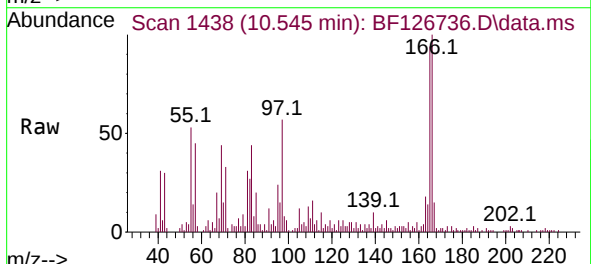
Tgt Ion:166 Resp: 37717

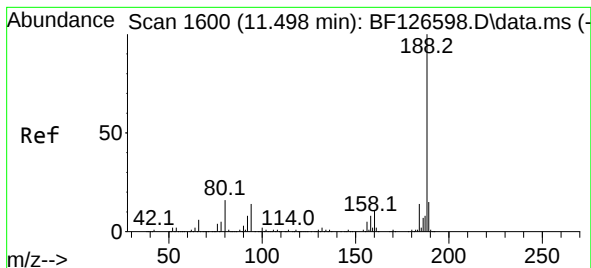
Ion Ratio Lower Upper

166 100

165 94.1 77.7 116.5

167 14.8 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF126736.D

Acq: 29 Jan 2022 00:15

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OK-02-012722

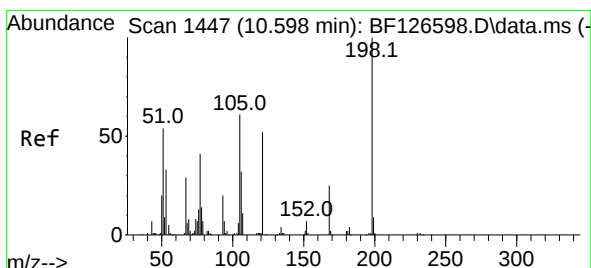
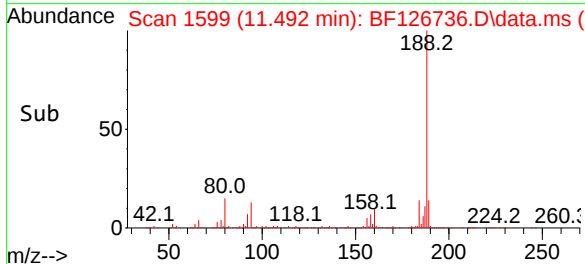
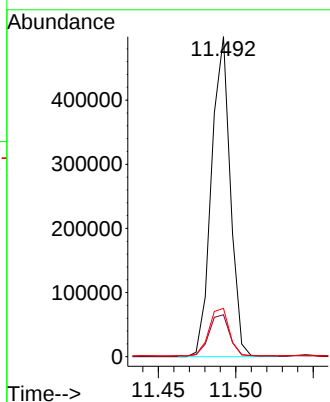
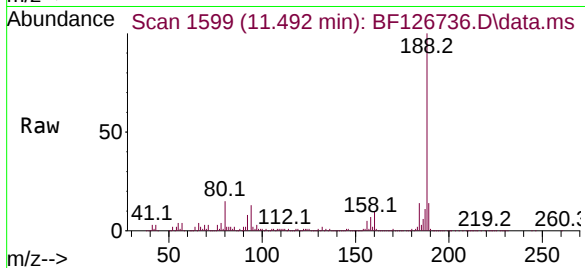
Tgt Ion:188 Resp: 421656

Ion Ratio Lower Upper

188 100

94 13.1 10.1 15.1

80 15.1 11.8 17.6



#65

4,6-Dinitro-2-methylphenol

Concen: 7.422 ng

RT: 10.786 min Scan# 1479

Delta R.T. 0.194 min

Lab File: BF126736.D

Acq: 29 Jan 2022 00:15

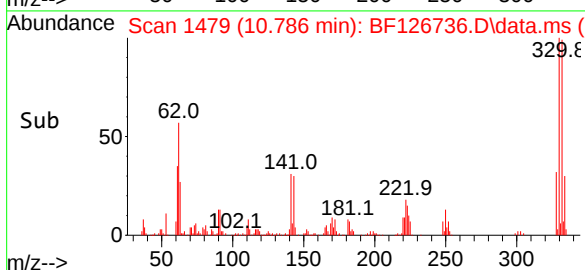
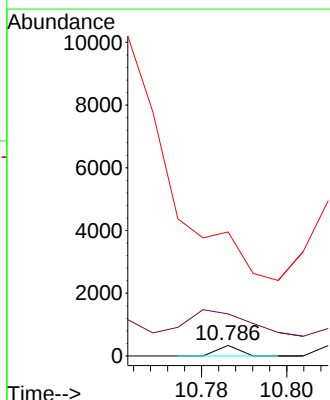
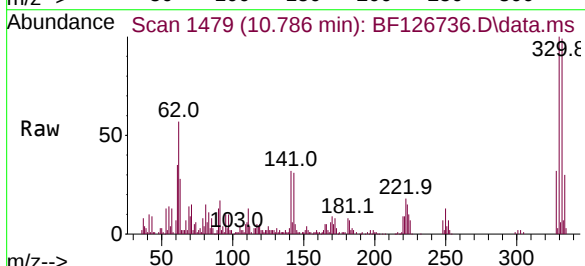
Tgt Ion:198 Resp: 119

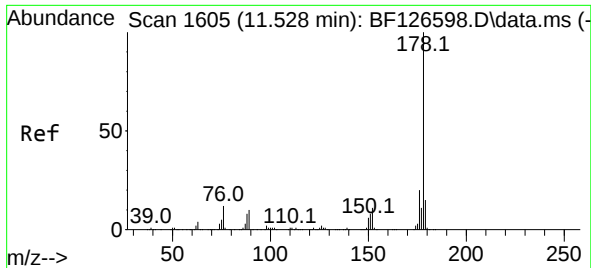
Ion Ratio Lower Upper

198 100

51 397.6 32.0 72.0#

105 1170.1 32.7 72.7#

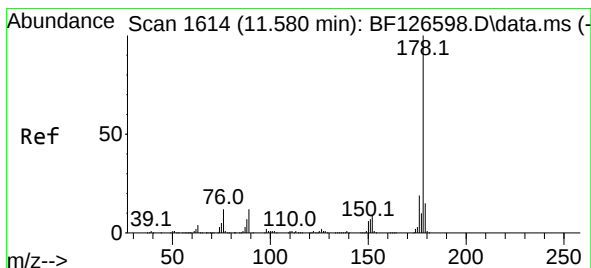
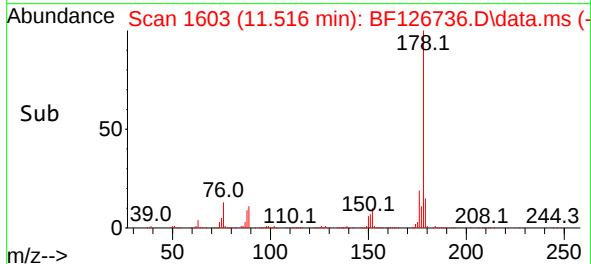
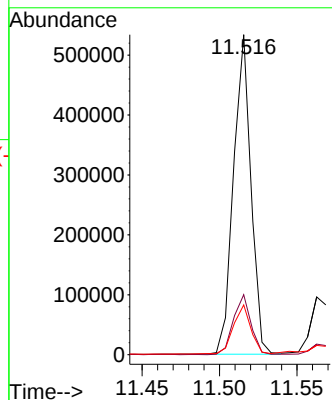
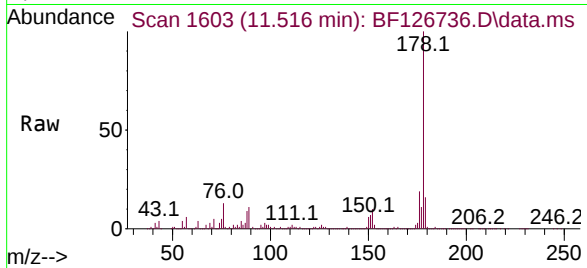




#71
Phenanthrene
Concen: 17.325 ng
RT: 11.516 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BF126736.D
Acq: 29 Jan 2022 00:15

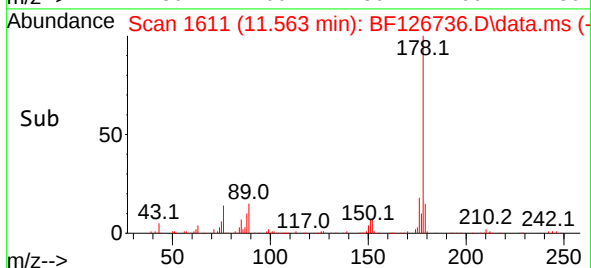
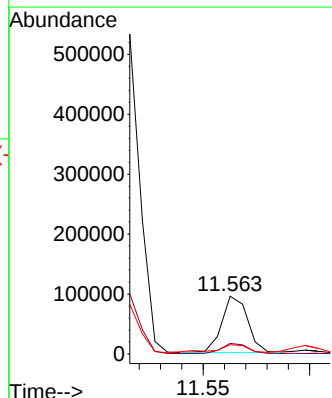
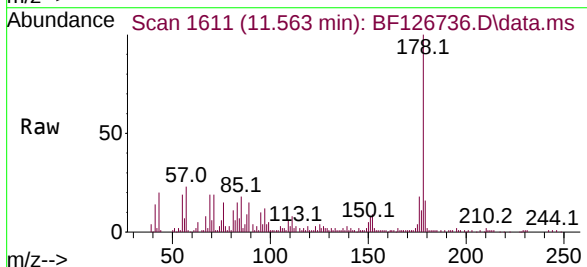
Instrument :
BNA_F
ClientSampleId :
OK-02-012722

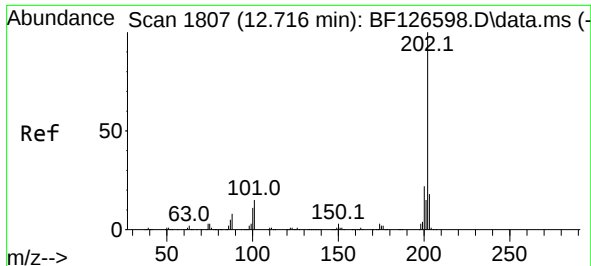
Tgt Ion:178 Resp: 417343
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.6 12.3 18.5



#72
Anthracene
Concen: 3.304 ng
RT: 11.563 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BF126736.D
Acq: 29 Jan 2022 00:15

Tgt Ion:178 Resp: 79852
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.6
179 16.1 12.5 18.7

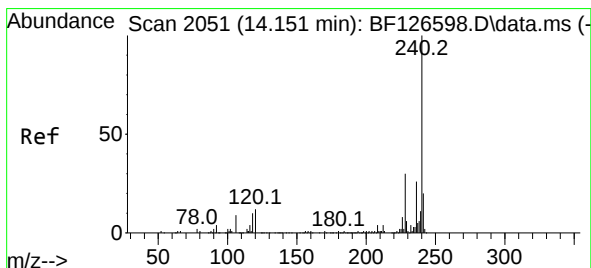
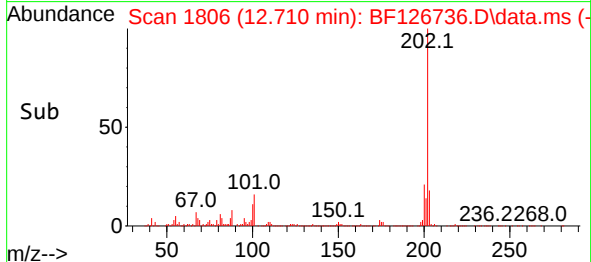
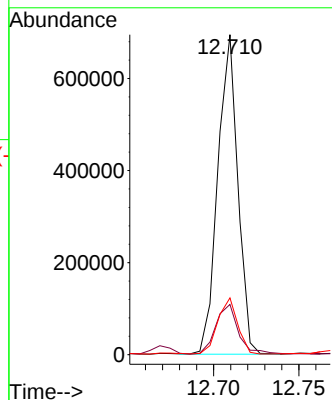
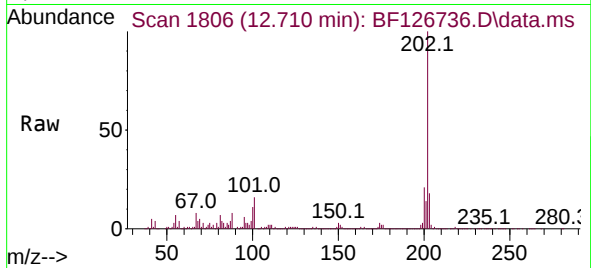




#75
Fluoranthene
Concen: 23.870 ng
RT: 12.710 min Scan# 1807
Delta R.T. -0.000 min
Lab File: BF126736.D
Acq: 29 Jan 2022 00:15

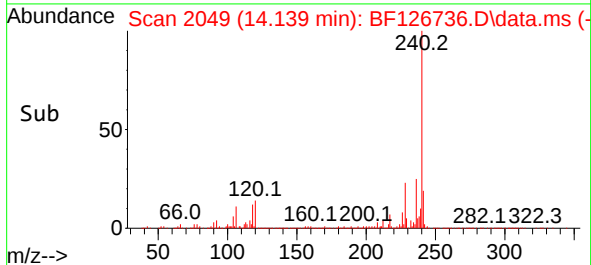
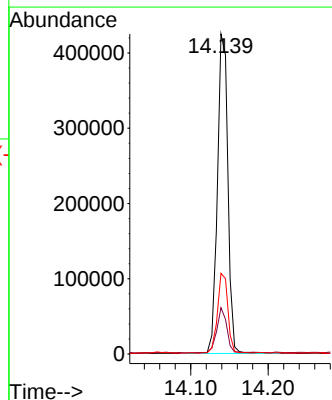
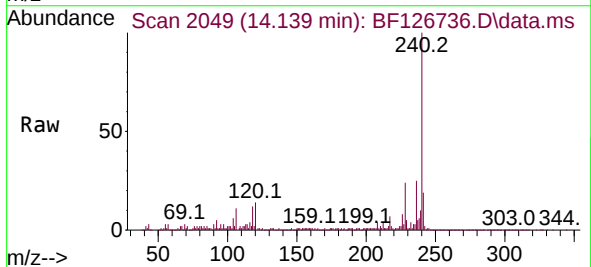
Instrument :
BNA_F
ClientSampleId :
OK-02-012722

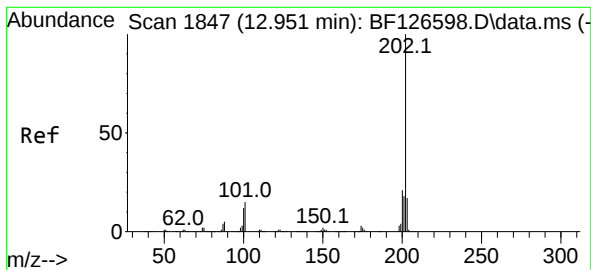
Tgt Ion:202 Resp: 567956
Ion Ratio Lower Upper
202 100
101 15.7 0.0 35.7
203 17.7 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BF126736.D
Acq: 29 Jan 2022 00:15

Tgt Ion:240 Resp: 398440
Ion Ratio Lower Upper
240 100
120 14.5 14.4 21.6
236 25.2 20.5 30.7





#78

Pyrene

Concen: 16.201 ng

RT: 12.939 min Scan# 1845

Delta R.T. -0.000 min

Lab File: BF126736.D

Acq: 29 Jan 2022 00:15

Instrument :

BNA_F

ClientSampleId :

OK-02-012722

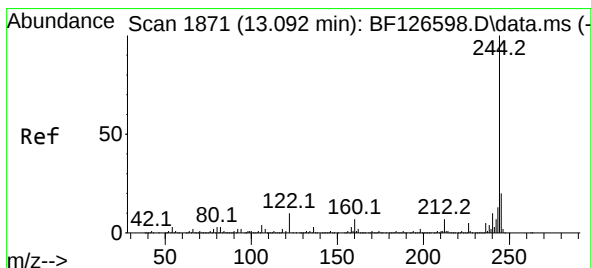
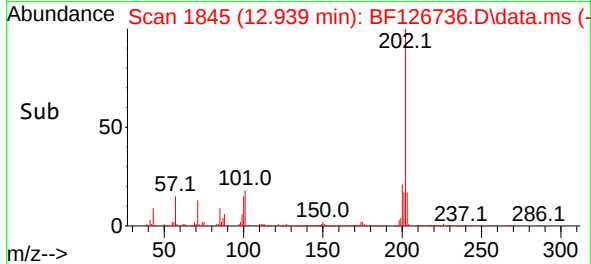
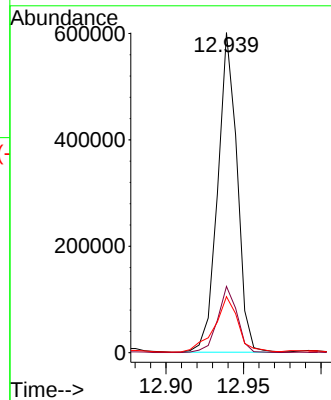
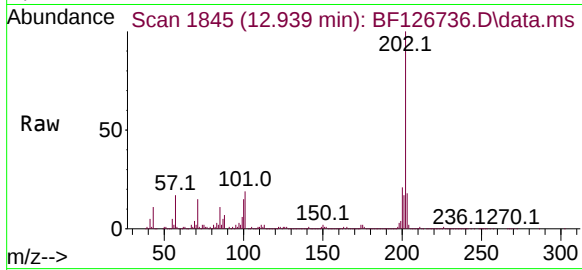
Tgt Ion:202 Resp: 522022

Ion Ratio Lower Upper

202 100

200 20.7 16.6 24.8

203 17.5 13.8 20.8



#79

Terphenyl-d14

Concen: 22.113 ng

RT: 13.080 min Scan# 1869

Delta R.T. -0.000 min

Lab File: BF126736.D

Acq: 29 Jan 2022 00:15

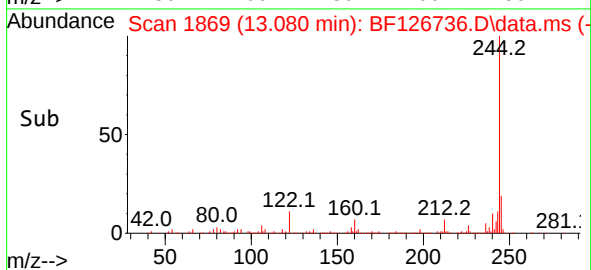
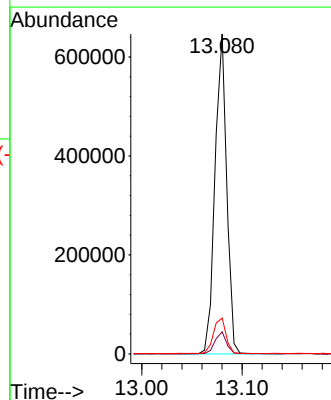
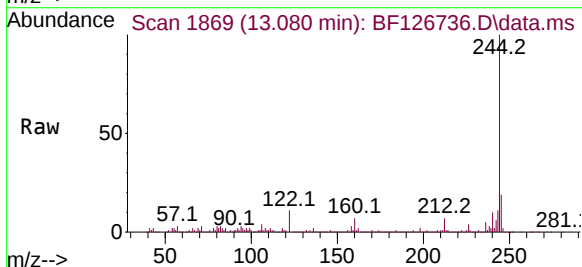
Tgt Ion:244 Resp: 525307

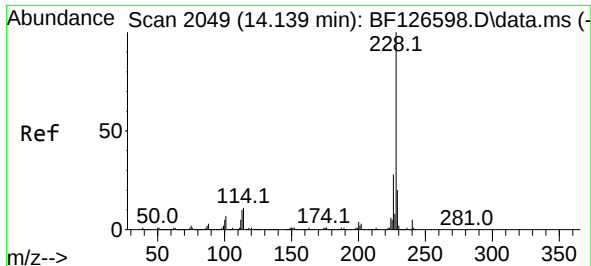
Ion Ratio Lower Upper

244 100

212 6.9 5.0 7.4

122 11.2 13.3 19.9#

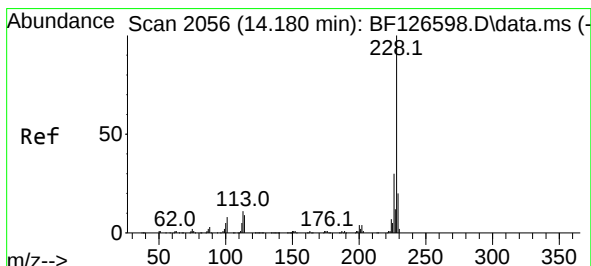
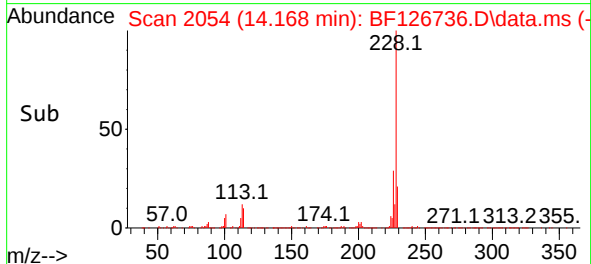
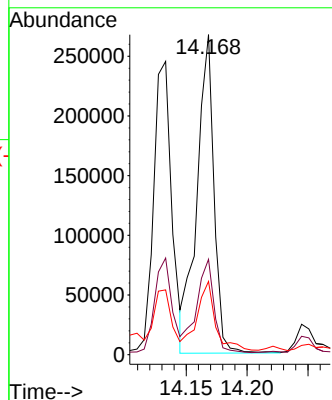
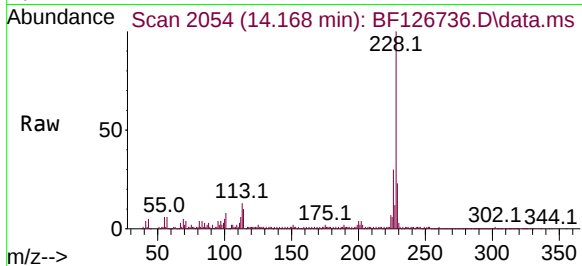




#81
Benzo(a)anthracene
Concen: 9.656 ng
RT: 14.168 min Scan# 2054
Delta R.T. 0.035 min
Lab File: BF126736.D
Acq: 29 Jan 2022 00:15

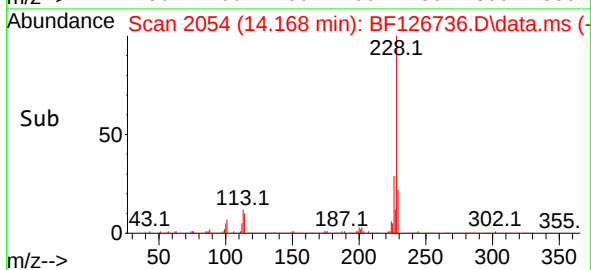
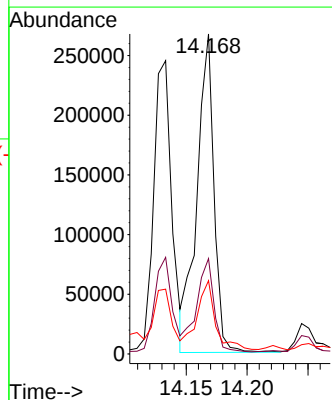
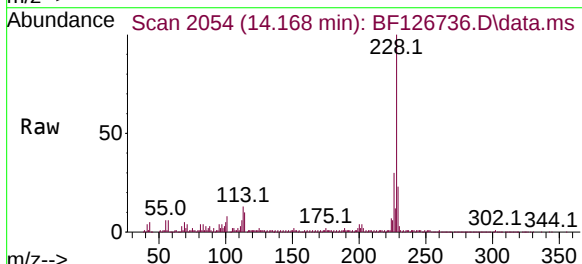
Instrument :
BNA_F
ClientSampleId :
OK-02-012722

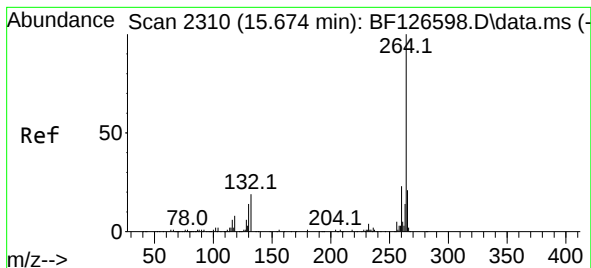
Tgt Ion:228 Resp: 261503
Ion Ratio Lower Upper
228 100
226 29.8 21.4 32.0
229 22.9 15.4 23.2



#83
Chrysene
Concen: 10.035 ng
RT: 14.168 min Scan# 2054
Delta R.T. -0.000 min
Lab File: BF126736.D
Acq: 29 Jan 2022 00:15

Tgt Ion:228 Resp: 261503
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 22.9 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.668 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF126736.D

Acq: 29 Jan 2022 00:15

Instrument :

BNA_F

ClientSampleId :

OK-02-012722

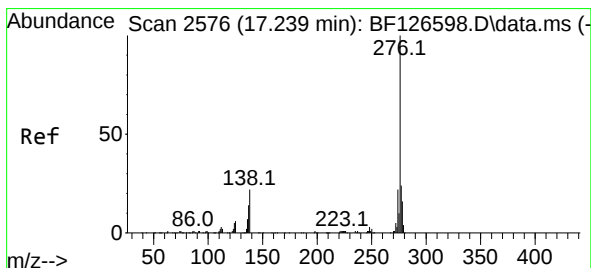
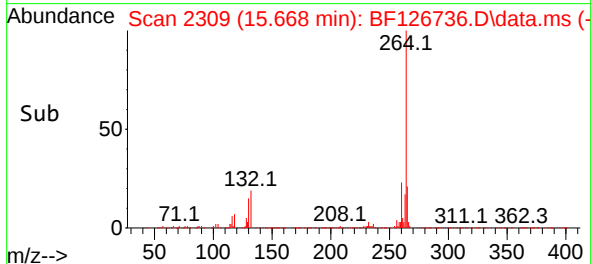
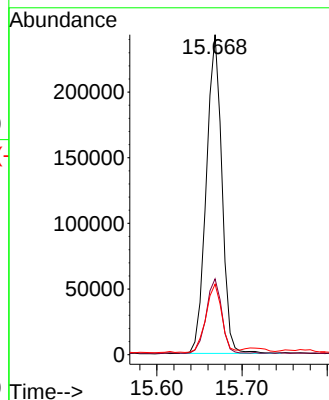
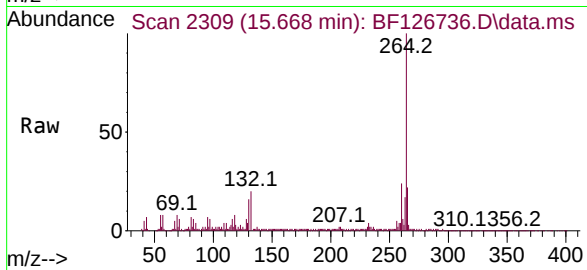
Tgt Ion:264 Resp: 307571

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 22.1 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.080 ng

RT: 17.221 min Scan# 2573

Delta R.T. -0.000 min

Lab File: BF126736.D

Acq: 29 Jan 2022 00:15

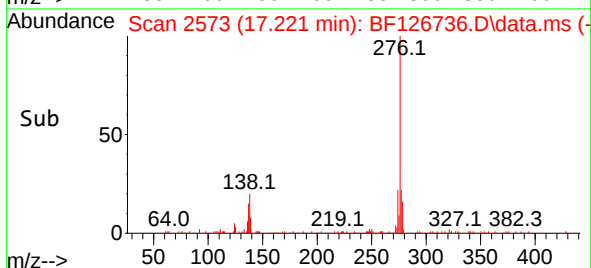
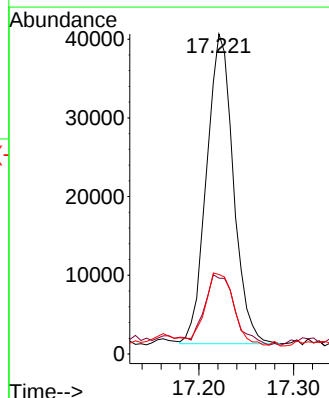
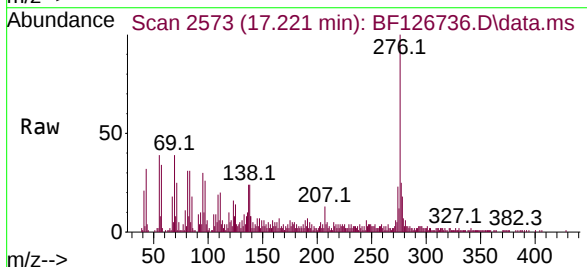
Tgt Ion:276 Resp: 77532

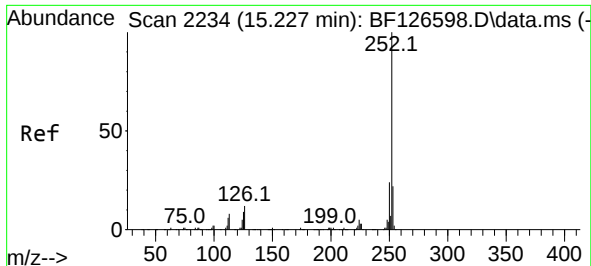
Ion Ratio Lower Upper

276 100

138 25.7 29.2 43.8#

277 24.5 19.8 29.8

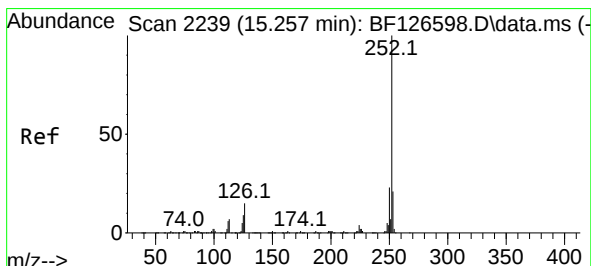
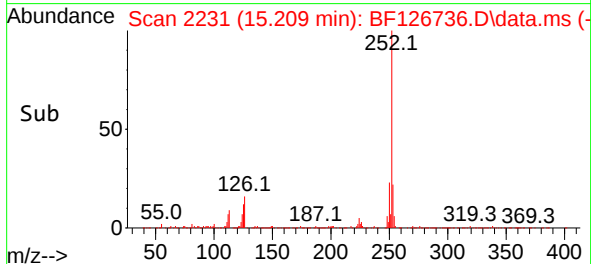
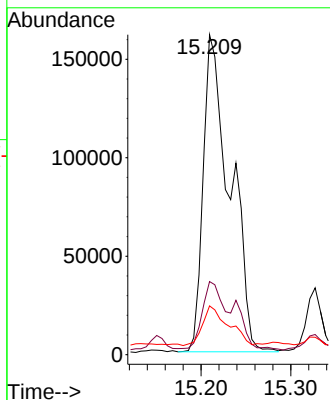
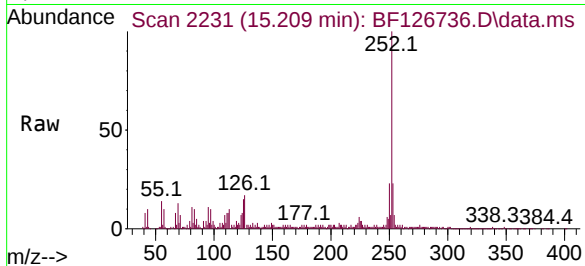




#88
Benzo(b)fluoranthene
Concen: 16.390 ng
RT: 15.209 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF126736.D
Acq: 29 Jan 2022 00:15

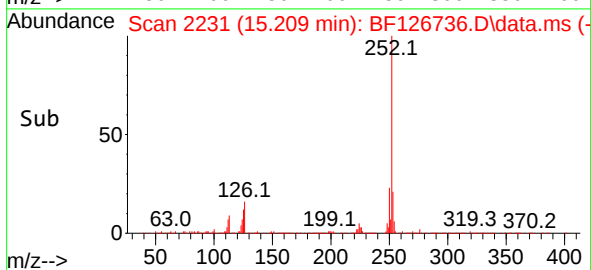
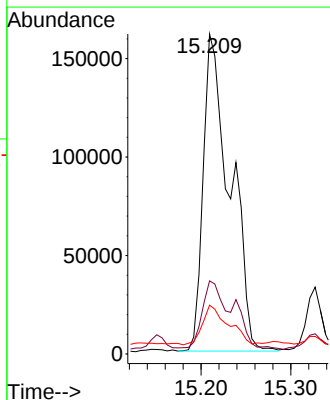
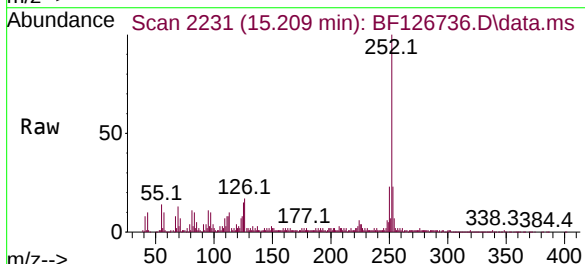
Instrument :
BNA_F
ClientSampleId :
OK-02-012722

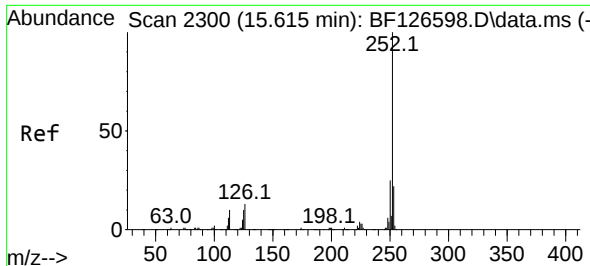
Tgt Ion:252 Resp: 334307
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 15.2 12.4 18.6



#89
Benzo(k)fluoranthene
Concen: 16.693 ng
RT: 15.209 min Scan# 2231
Delta R.T. -0.030 min
Lab File: BF126736.D
Acq: 29 Jan 2022 00:15

Tgt Ion:252 Resp: 334307
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 15.2 11.8 17.6

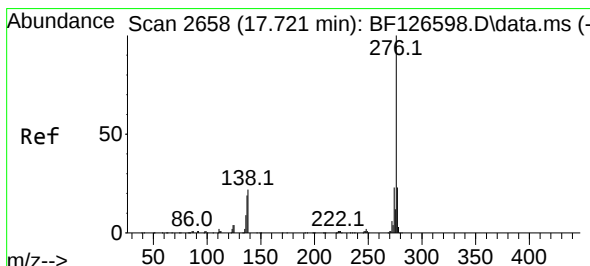
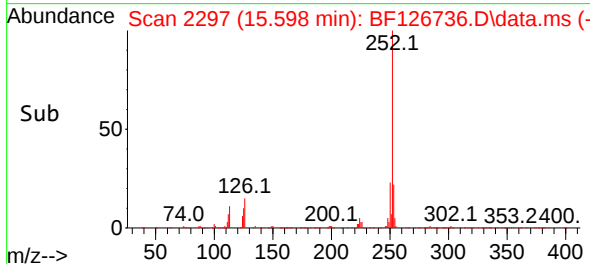
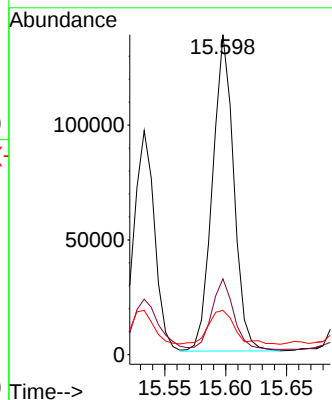
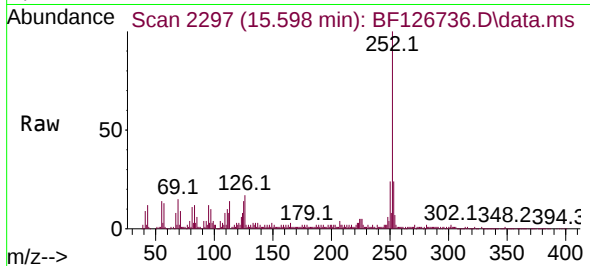




#90
Benzo(a)pyrene
Concen: 10.110 ng
RT: 15.598 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF126736.D
Acq: 29 Jan 2022 00:15

Instrument :
BNA_F
ClientSampleId :
OK-02-012722

Tgt Ion:252 Resp: 167784
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 13.9 13.0 19.6



#92
Benzo(g,h,i)perylene
Concen: 5.227 ng
RT: 17.698 min Scan# 2654
Delta R.T. -0.000 min
Lab File: BF126736.D
Acq: 29 Jan 2022 00:15

Tgt Ion:276 Resp: 80684
Ion Ratio Lower Upper
276 100
277 25.9 18.5 27.7
138 25.1 25.9 38.9#

