

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
 Data File : BF127108.D
 Acq On : 28 Feb 2022 19:10
 Operator : CG\JU
 Sample : N1678-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-022522

Quant Time: Mar 01 01:40:16 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)

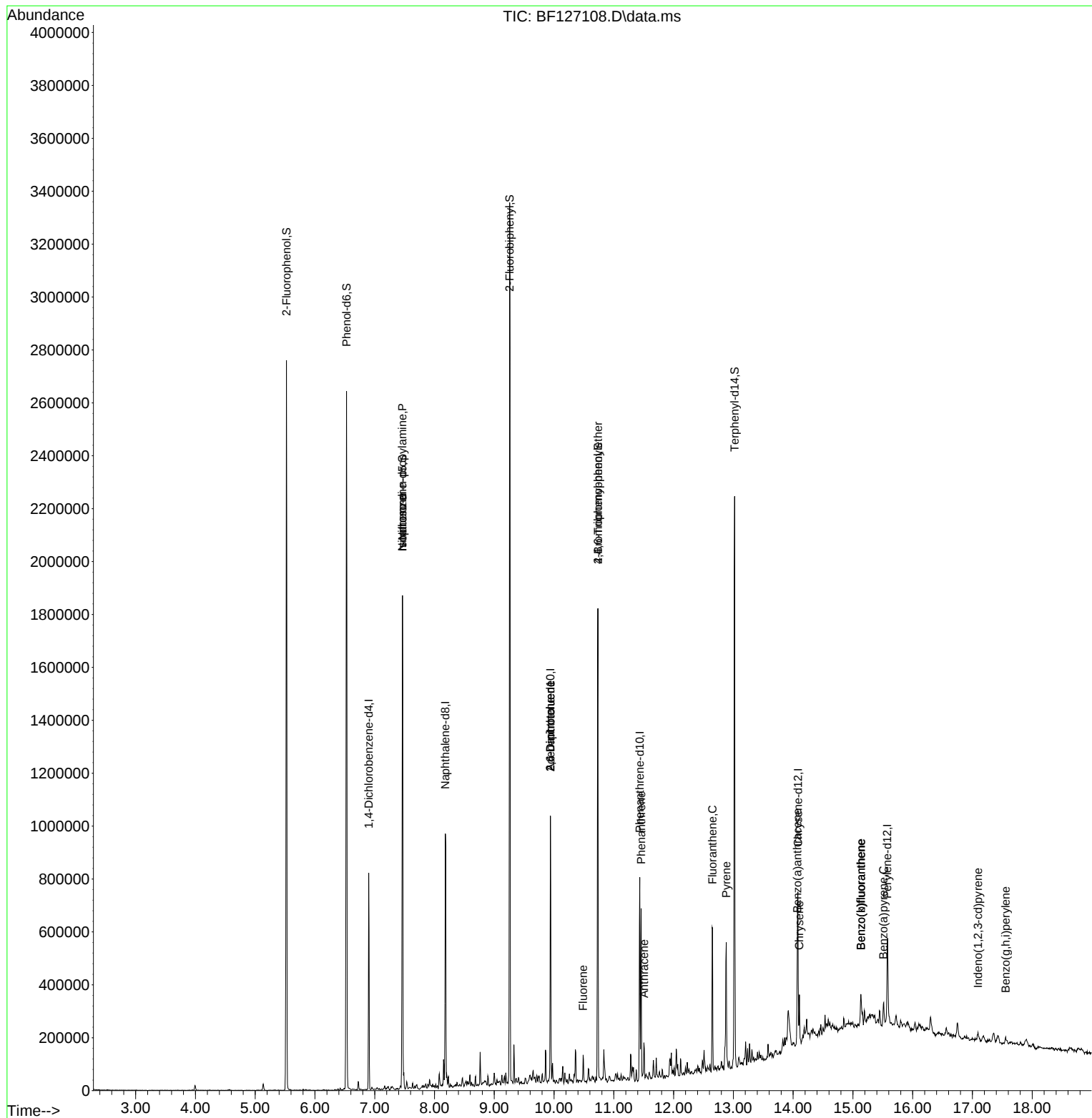
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	103098	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	401165	20.000	ng	#-0.01
39) Acenaphthene-d10	9.939	164	184478	20.000	ng	-0.01
64) Phenanthrene-d10	11.433	188	253126	20.000	ng	#-0.01
76) Chrysene-d12	14.080	240	173398	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	129872	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	679660	101.890	ng	0.00
7) Phenol-d6	6.528	99	887524	98.604	ng	-0.01
23) Nitrobenzene-d5	7.463	82	612511	68.917	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	194851	91.737	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	945879	75.482	ng	-0.01
79) Terphenyl-d14	13.022	244	708491	60.065	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	85704	14.777	ng	# 80
25) Isophorone	7.463	82	611476	41.578	ng	# 69
51) 2,6-Dinitrotoluene	9.939	165	24050	8.965	ng	# 22
57) 2,4-Dinitrotoluene	9.939	165	24050	6.630	ng	# 16
58) Fluorene	10.486	166	24633	2.009	ng	98
67) 4-Bromophenyl-phenylether	10.733	248	11398	4.030	ng	# 1
71) Phenanthrene	11.457	178	203049	14.332	ng	97
72) Anthracene	11.504	178	47626	3.377	ng	99
75) Fluoranthene	12.651	202	204289	15.186	ng	92
78) Pyrene	12.880	202	170787	11.337	ng	100
81) Benzo(a)anthracene	14.069	228	73750	6.309	ng	96
83) Chrysene	14.104	228	64026	5.824	ng	96
87) Indeno(1,2,3-cd)pyrene	17.092	276	18957	2.226	ng	# 83
88) Benzo(b)fluoranthene	15.133	252	75991	8.712	ng	94
89) Benzo(k)fluoranthene	15.133	252	75991	9.032	ng	94
90) Benzo(a)pyrene	15.510	252	37549	5.511	ng	95
92) Benzo(g,h,i)perylene	17.557	276	18326	2.639	ng	# 82

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

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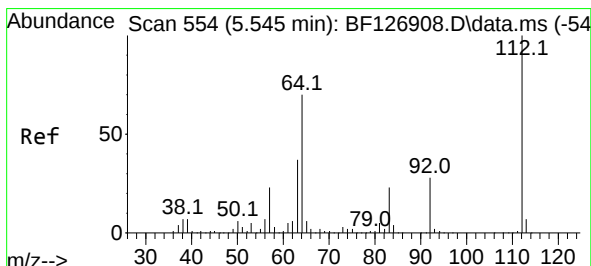
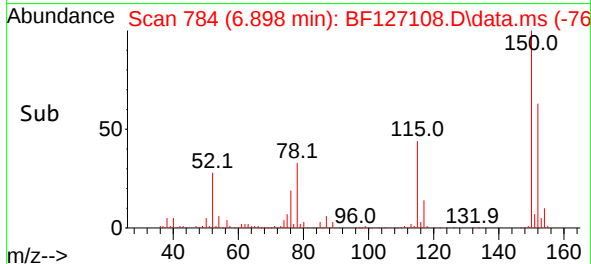
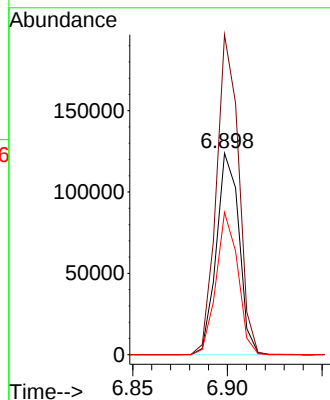
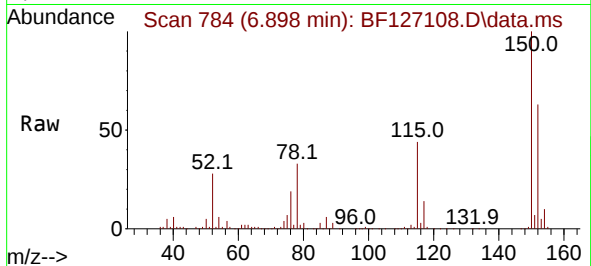




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 71
 Delta R.T. -0.012 min
 Lab File: BF127108.D
 Acq: 28 Feb 2022 19:10

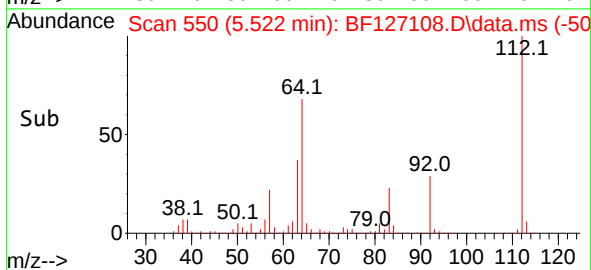
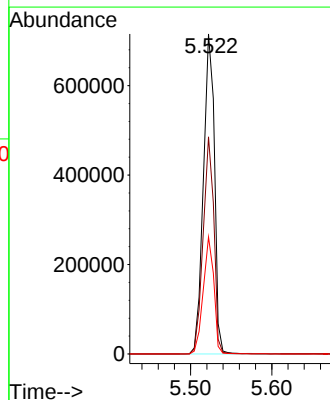
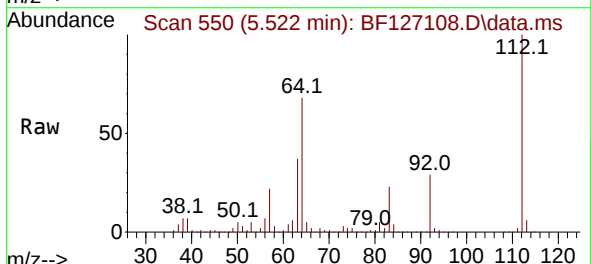
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-022522

Tgt Ion:152 Resp: 103098
 Ion Ratio Lower Upper
 152 100
 150 158.9 128.1 192.1
 115 70.7 56.7 85.1



#5
 2-Fluorophenol
 Concen: 101.890 ng
 RT: 5.522 min Scan# 550
 Delta R.T. -0.006 min
 Lab File: BF127108.D
 Acq: 28 Feb 2022 19:10

Tgt Ion:112 Resp: 679660
 Ion Ratio Lower Upper
 112 100
 64 67.8 49.5 74.3
 63 36.6 23.9 35.9#

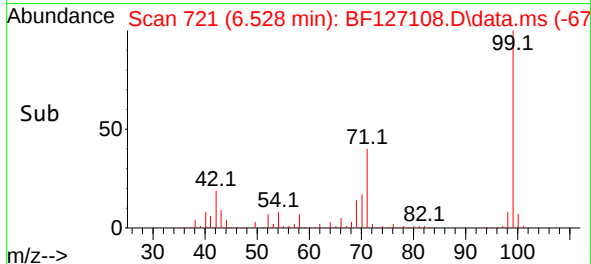
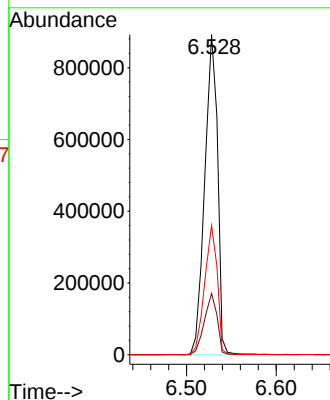
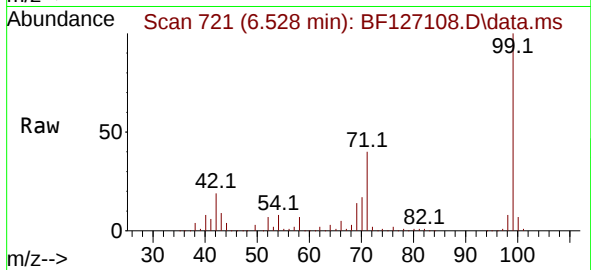




#7
Phenol-d6
Concen: 98.604 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

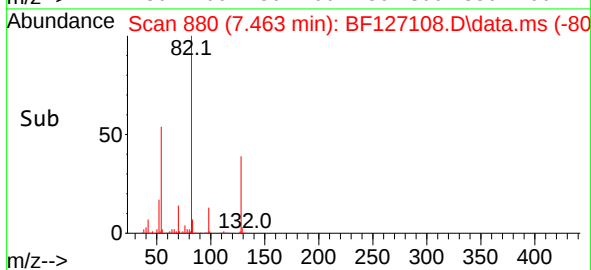
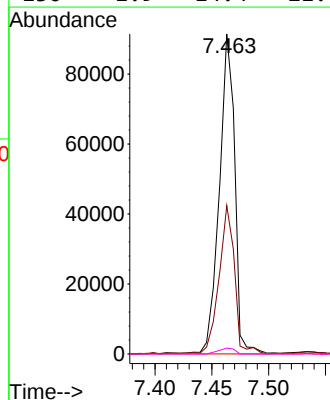
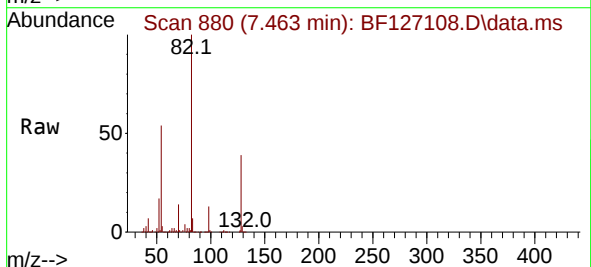
Instrument :
BNA_F
ClientSampleId :
OK-02-022522

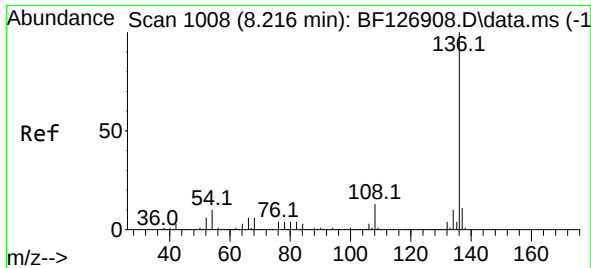
Tgt Ion: 99 Resp: 887524
Ion Ratio Lower Upper
99 100
42 19.2 14.2 21.4
71 40.4 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 14.777 ng
RT: 7.463 min Scan# 880
Delta R.T. 0.141 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Tgt Ion: 70 Resp: 85704
Ion Ratio Lower Upper
70 100
42 46.3 45.8 68.8
101 0.0 6.9 10.3#
130 1.9 14.4 21.6#

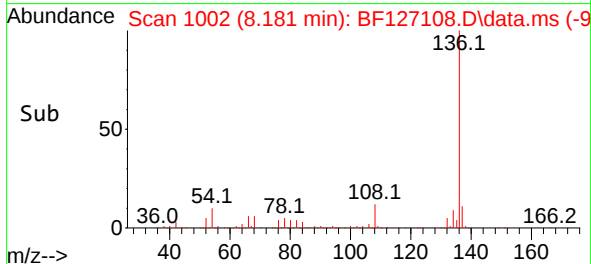
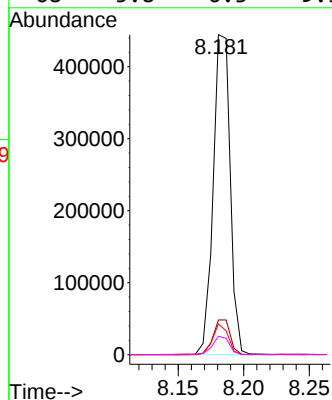
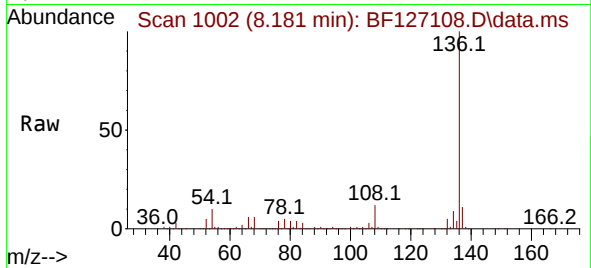




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

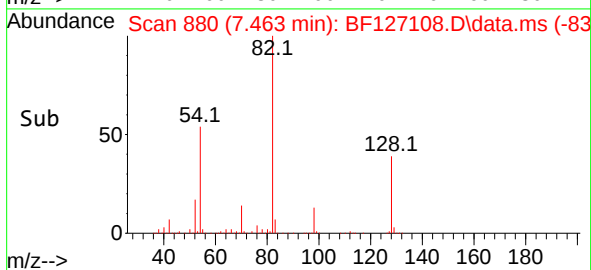
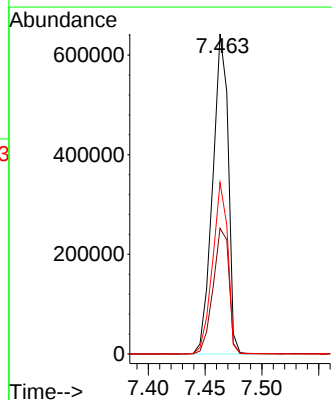
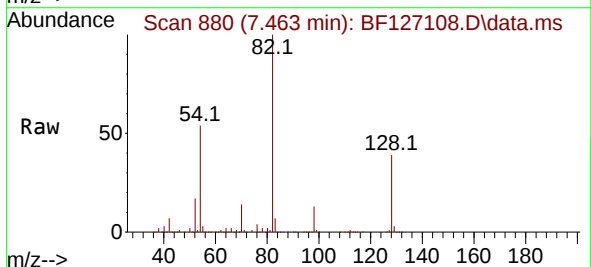
Instrument :
BNA_F
ClientSampleId :
OK-02-022522

Tgt Ion:136 Resp: 401165
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.6 7.8 11.6
68 5.8 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 68.917 ng
RT: 7.463 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Tgt Ion: 82 Resp: 612511
Ion Ratio Lower Upper
82 100
128 39.2 32.7 49.1
54 53.5 41.7 62.5

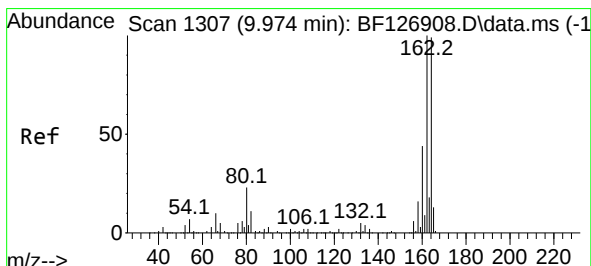
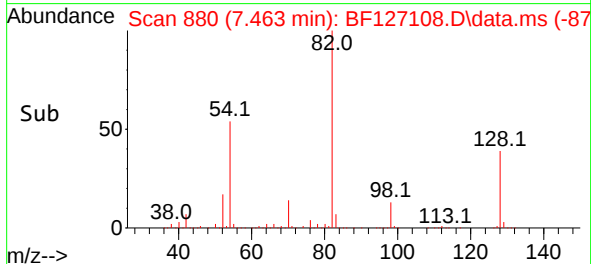
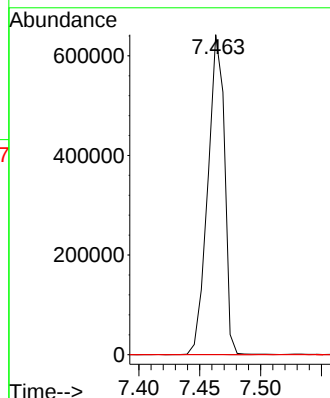
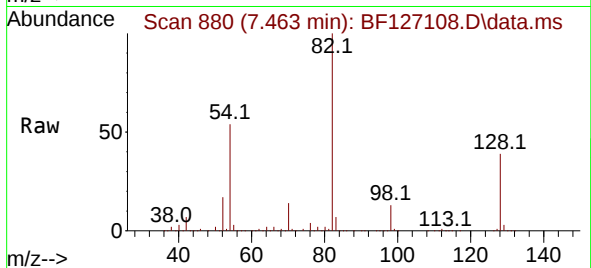




#25
Isophorone
Concen: 41.578 ng
RT: 7.463 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

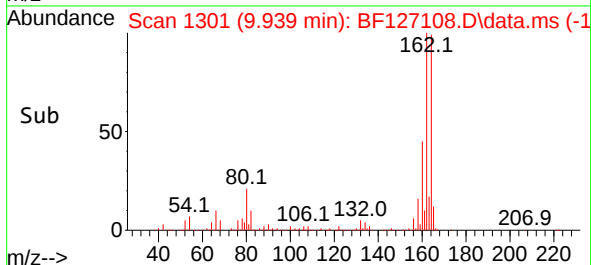
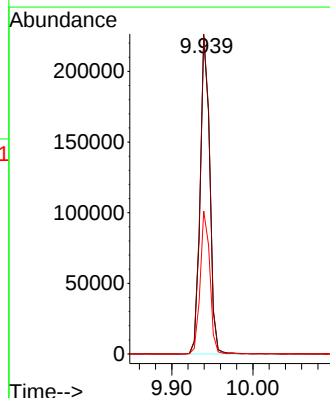
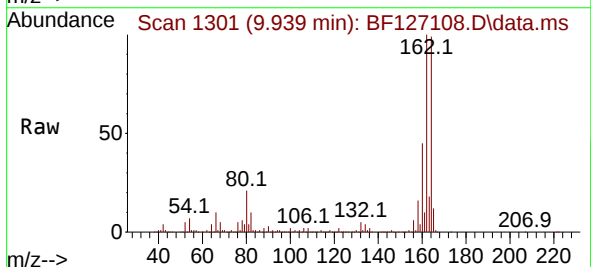
Instrument :
BNA_F
ClientSampleId :
OK-02-022522

Tgt Ion: 82 Resp: 611476
Ion Ratio Lower Upper
82 100
95 0.1 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Tgt Ion:164 Resp: 184478
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.0
160 45.0 36.6 54.8

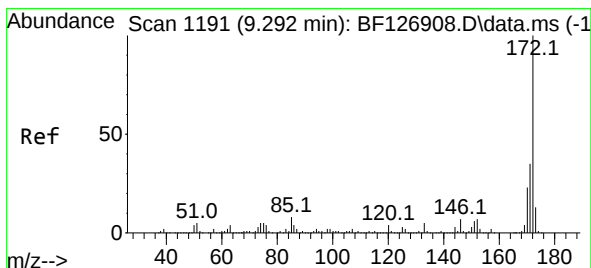
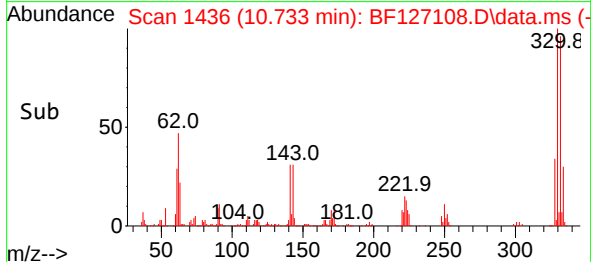
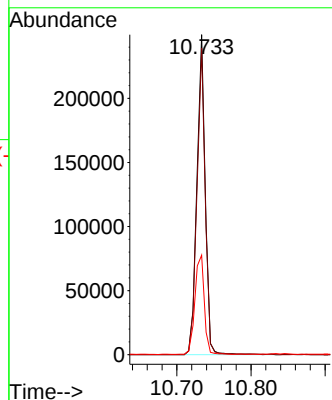
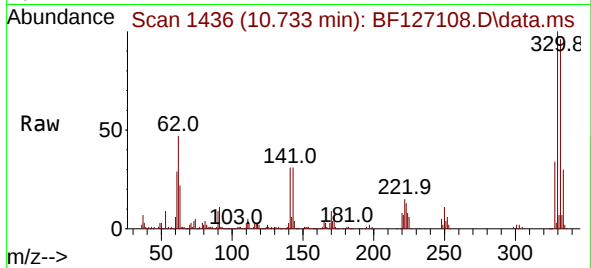




#42
2,4,6-Tribromophenol
Concen: 91.737 ng
RT: 10.733 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

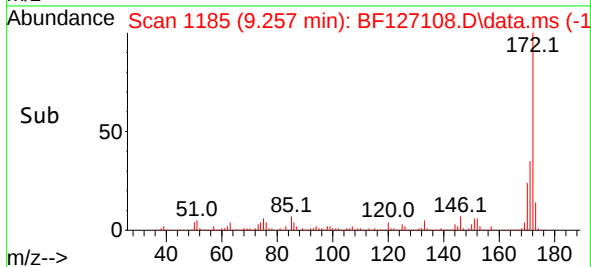
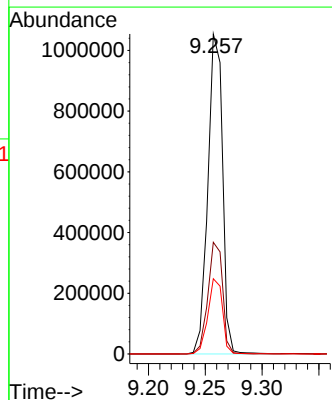
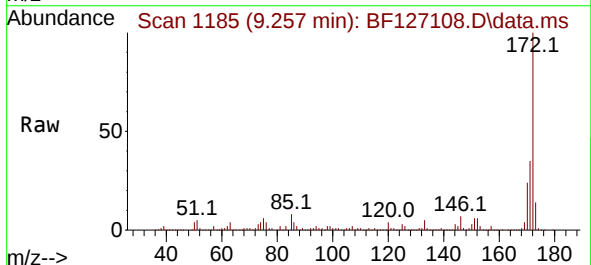
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BNA_F
ClientSampleId :
OK-02-022522

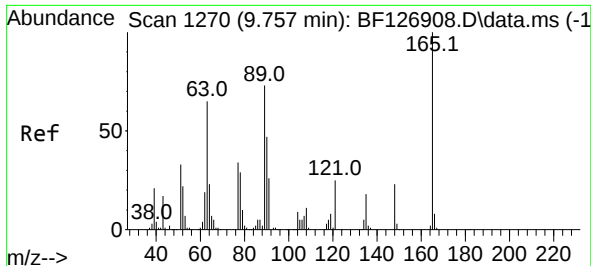
Tgt Ion: 330 Resp: 194851
Ion Ratio Lower Upper
330 100
332 94.9 76.0 114.0
141 34.9 30.1 45.1



#45
2-Fluorobiphenyl
Concen: 75.482 ng
RT: 9.257 min Scan# 1185
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Tgt Ion: 172 Resp: 945879
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.5 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.965 ng

RT: 9.939 min Scan# 1301

Delta R.T. 0.206 min

Lab File: BF127108.D

Acq: 28 Feb 2022 19:10

Instrument :

BNA_F

ClientSampleId :

OK-02-022522

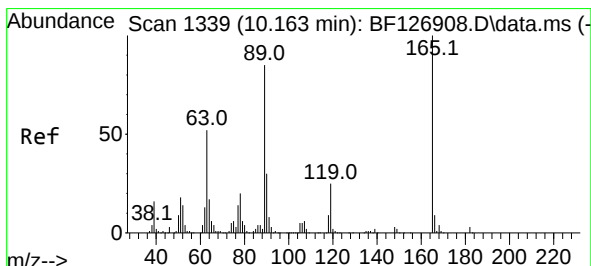
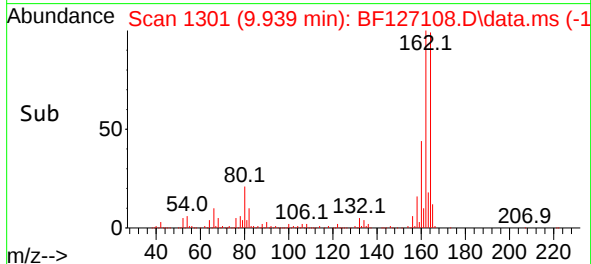
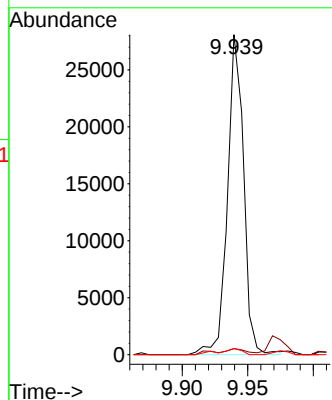
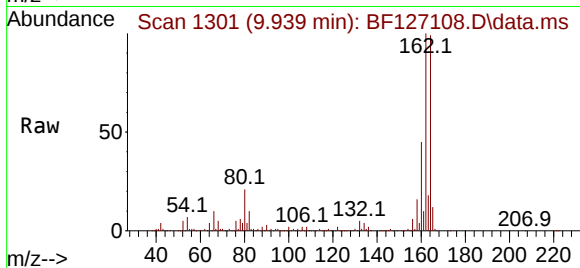
Tgt Ion:165 Resp: 24050

Ion Ratio Lower Upper

165 100

63 1.9 48.4 72.6#

89 1.9 50.5 75.7#



#57

2,4-Dinitrotoluene

Concen: 6.630 ng

RT: 9.939 min Scan# 1301

Delta R.T. -0.200 min

Lab File: BF127108.D

Acq: 28 Feb 2022 19:10

Tgt Ion:165 Resp: 24050

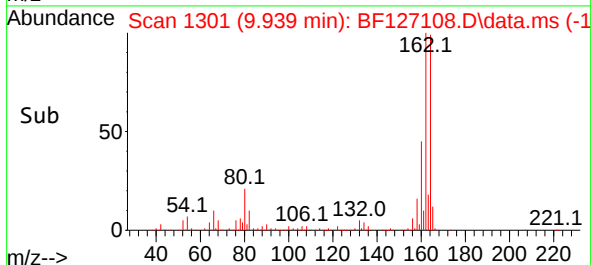
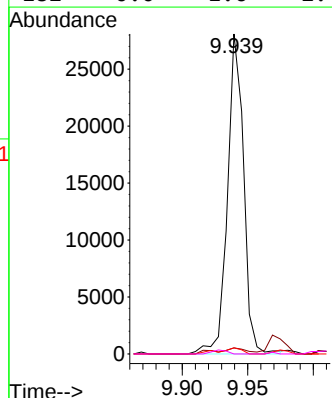
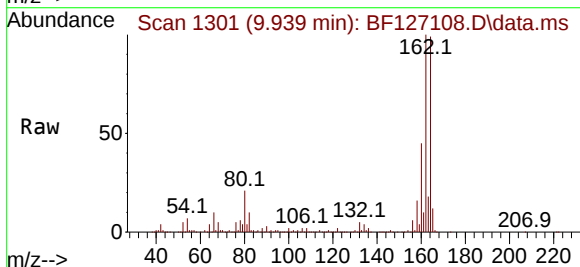
Ion Ratio Lower Upper

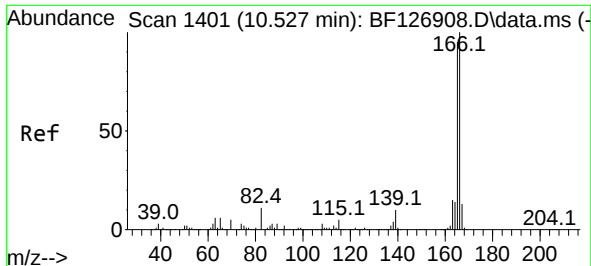
165 100

63 1.9 43.0 64.6#

89 1.9 71.0 106.4#

182 0.0 1.6 2.4#

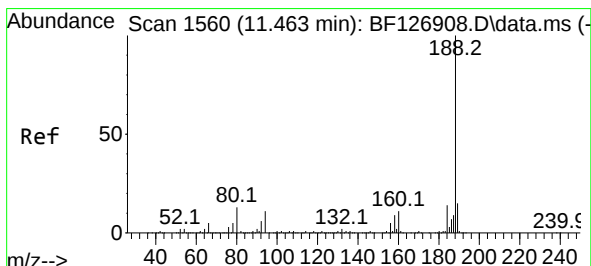
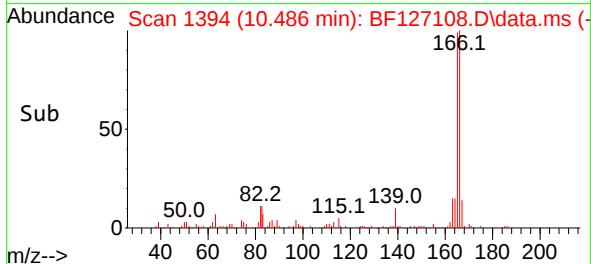
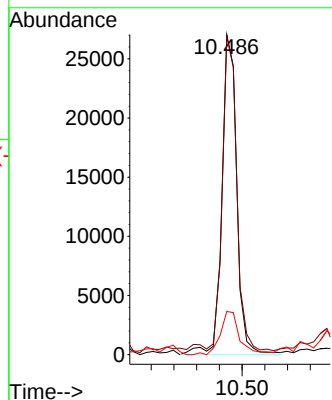
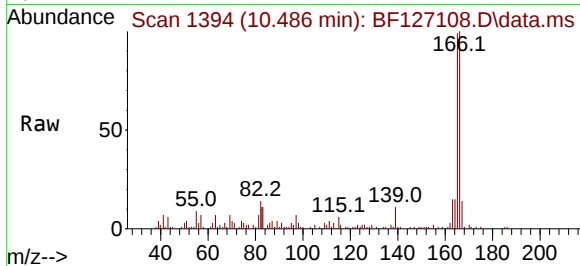




#58
Fluorene
Concen: 2.009 ng
RT: 10.486 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

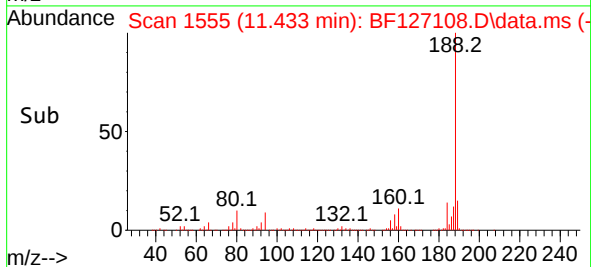
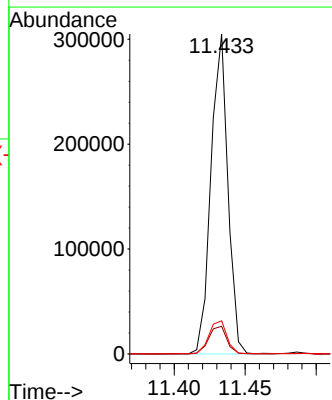
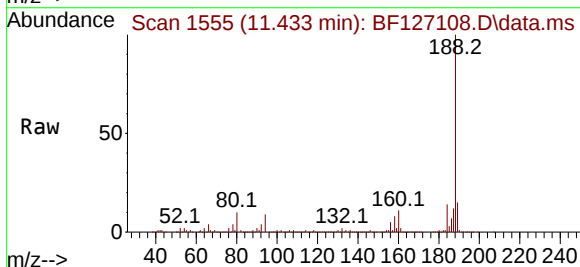
Instrument :
BNA_F
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OK-02-022522

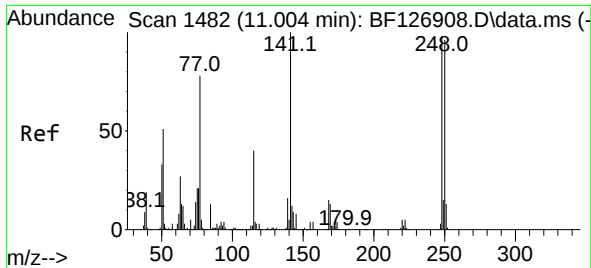
Tgt Ion:166 Resp: 24633
Ion Ratio Lower Upper
166 100
165 99.5 77.7 116.5
167 13.5 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Tgt Ion:188 Resp: 253126
Ion Ratio Lower Upper
188 100
94 8.6 10.1 15.1#
80 10.4 11.8 17.6#

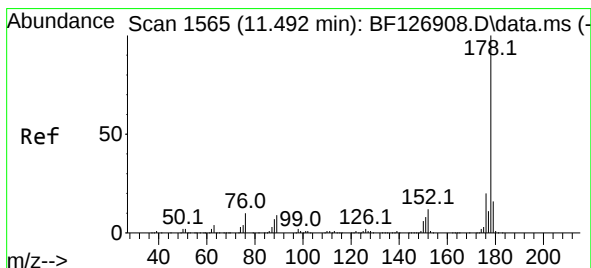
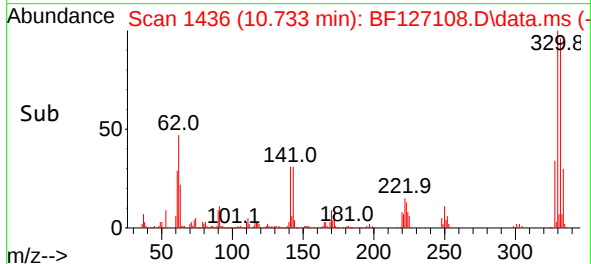
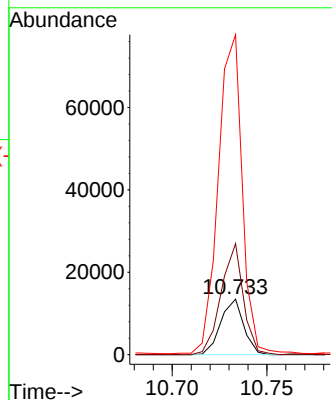
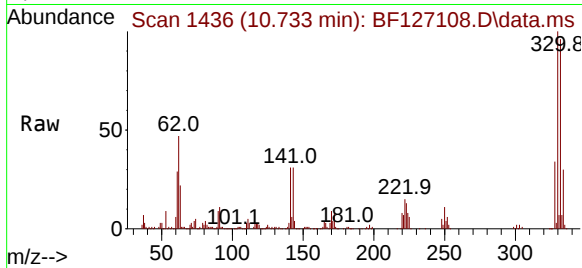




#67
4-Bromophenyl-phenylether
Concen: 4.030 ng
RT: 10.733 min Scan# 1482
Delta R.T. -0.253 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

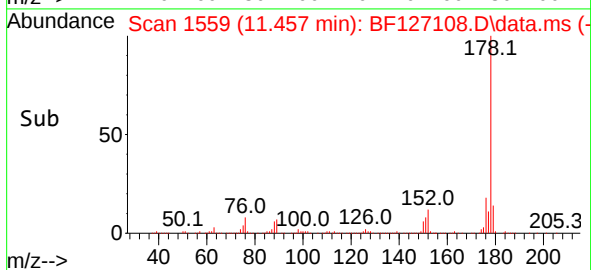
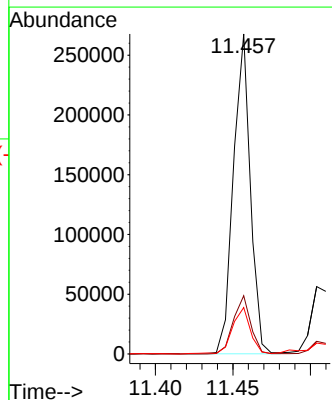
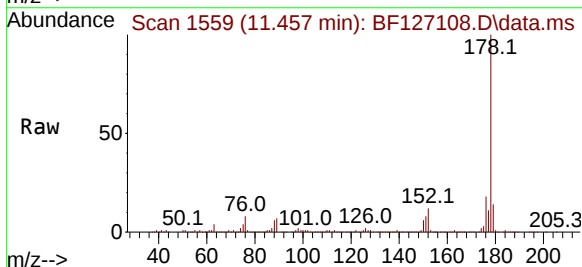
Instrument :
BNA_F
ClientSampleId :
OK-02-022522

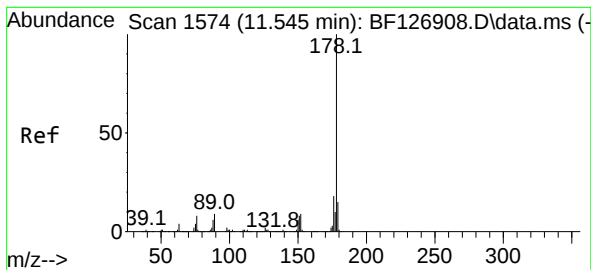
Tgt Ion:248 Resp: 11398
Ion Ratio Lower Upper
248 100
250 200.0 76.2 114.4#
141 576.2 66.2 99.4#



#71
Phenanthrene
Concen: 14.332 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Tgt Ion:178 Resp: 203049
Ion Ratio Lower Upper
178 100
176 18.2 15.7 23.5
179 14.5 12.3 18.5





#72

Anthracene

Concen: 3.377 ng

RT: 11.504 min Scan# 11

Delta R.T. -0.017 min

Lab File: BF127108.D

Acq: 28 Feb 2022 19:10

Instrument :

BNA_F

ClientSampleId :

OK-02-022522

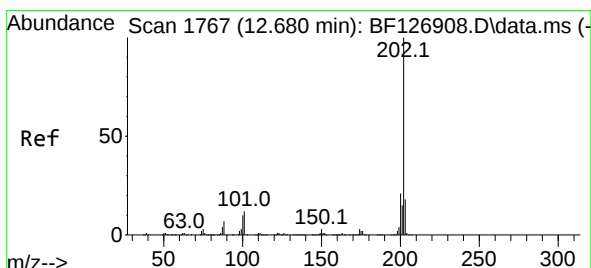
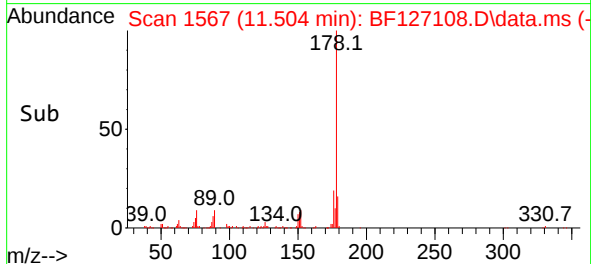
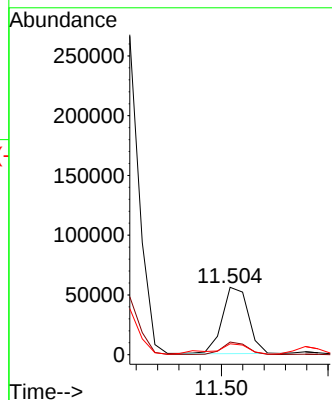
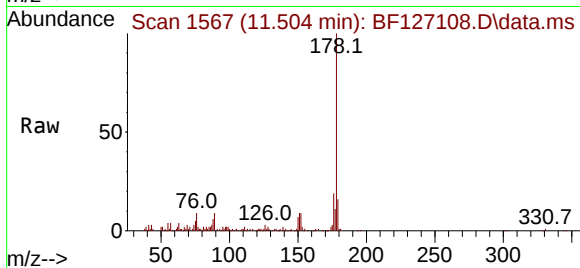
Tgt Ion:178 Resp: 47626

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 16.1 12.5 18.7



#75

Fluoranthene

Concen: 15.186 ng

RT: 12.651 min Scan# 1762

Delta R.T. -0.006 min

Lab File: BF127108.D

Acq: 28 Feb 2022 19:10

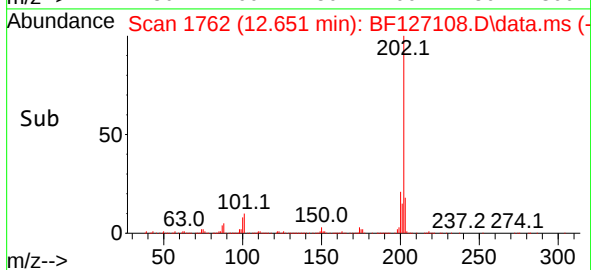
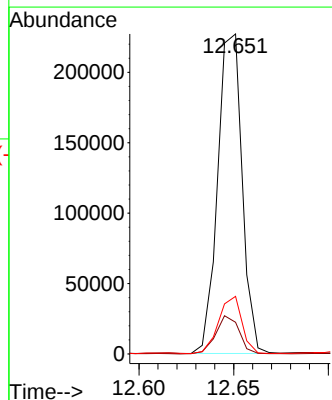
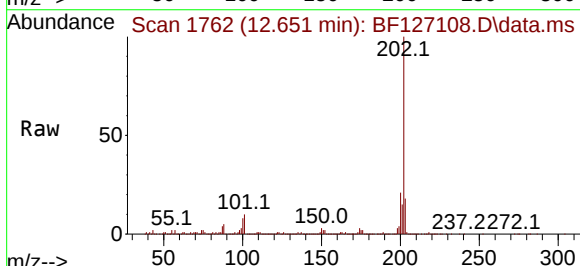
Tgt Ion:202 Resp: 204289

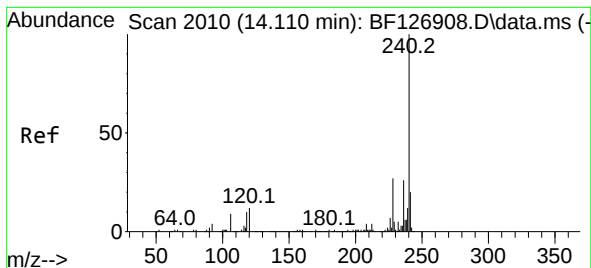
Ion Ratio Lower Upper

202 100

101 9.9 0.0 35.7

203 18.0 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127108.D

Acq: 28 Feb 2022 19:10

Instrument :

BNA_F

ClientSampleId :

OK-02-022522

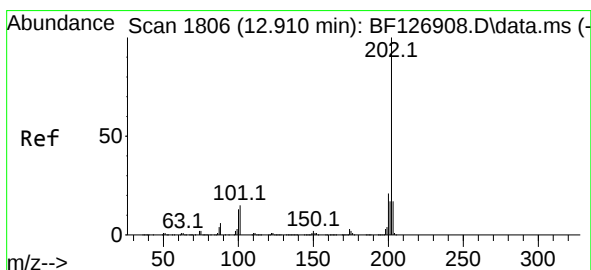
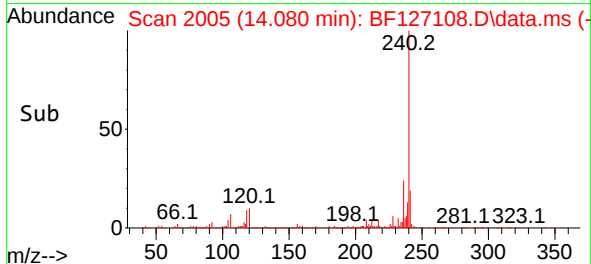
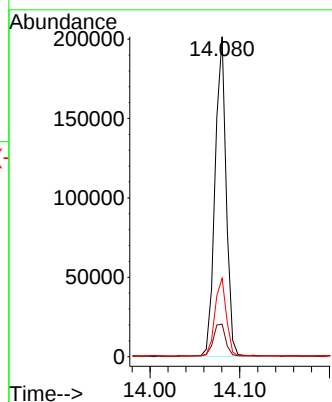
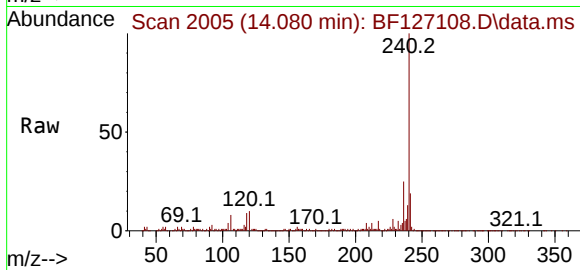
Tgt Ion:240 Resp: 173398

Ion Ratio Lower Upper

240 100

120 10.2 14.4 21.6#

236 24.5 20.5 30.7



#78

Pyrene

Concen: 11.337 ng

RT: 12.880 min Scan# 1801

Delta R.T. -0.012 min

Lab File: BF127108.D

Acq: 28 Feb 2022 19:10

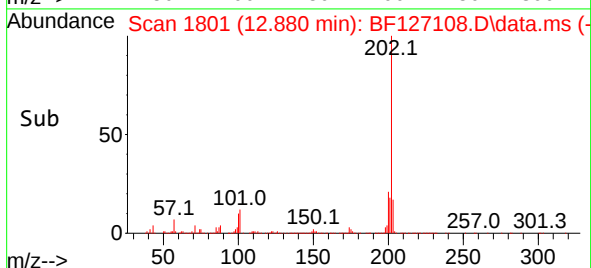
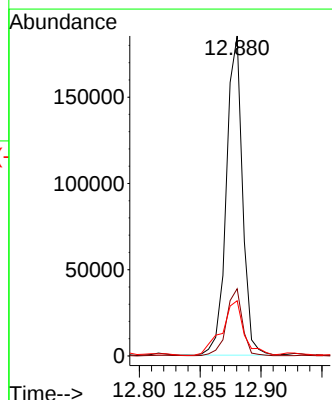
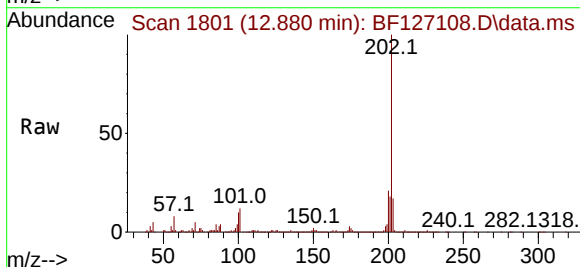
Tgt Ion:202 Resp: 170787

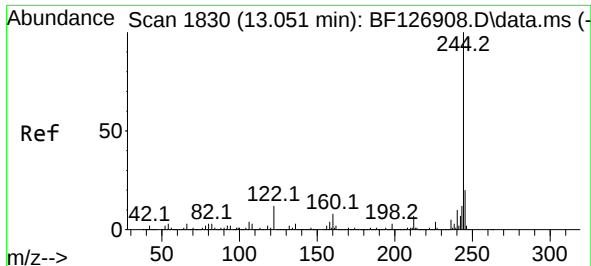
Ion Ratio Lower Upper

202 100

200 21.0 16.6 24.8

203 17.3 13.8 20.8

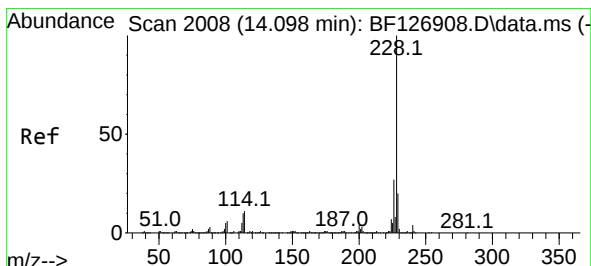
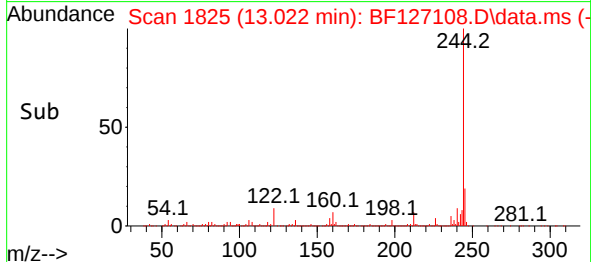
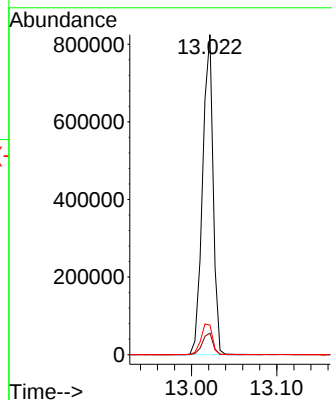
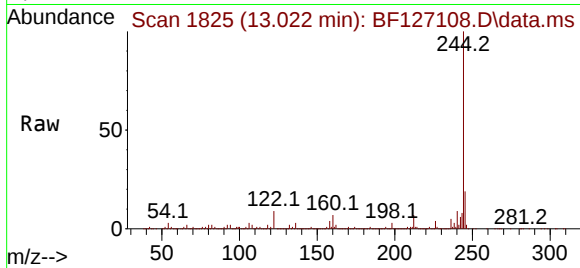




#79
 Terphenyl-d14
 Concen: 60.065 ng
 RT: 13.022 min Scan# 1825
 Delta R.T. -0.006 min
 Lab File: BF127108.D
 Acq: 28 Feb 2022 19:10

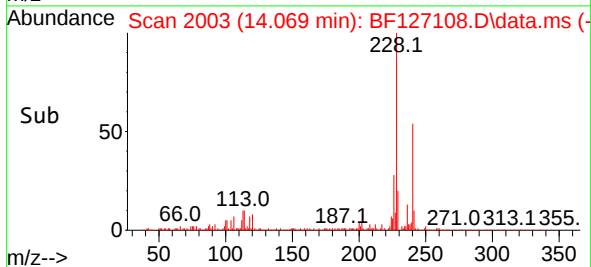
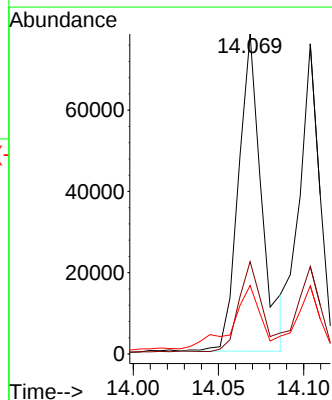
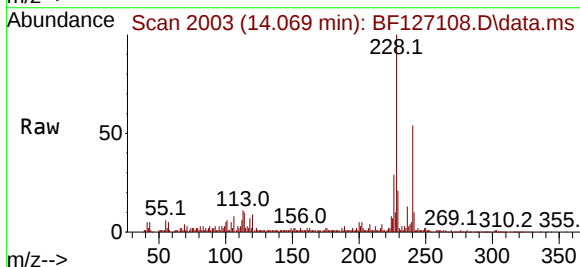
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-022522

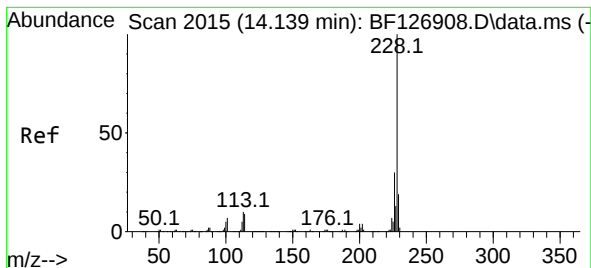
Tgt Ion:244 Resp: 708491
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.0 7.4
 122 9.3 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 6.309 ng
 RT: 14.069 min Scan# 2003
 Delta R.T. -0.012 min
 Lab File: BF127108.D
 Acq: 28 Feb 2022 19:10

Tgt Ion:228 Resp: 73750
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.4 32.0
 229 21.4 15.4 23.2





#83

Chrysene

Concen: 5.824 ng

RT: 14.104 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF127108.D

Acq: 28 Feb 2022 19:10

Instrument :

BNA_F

ClientSampleId :

OK-02-022522

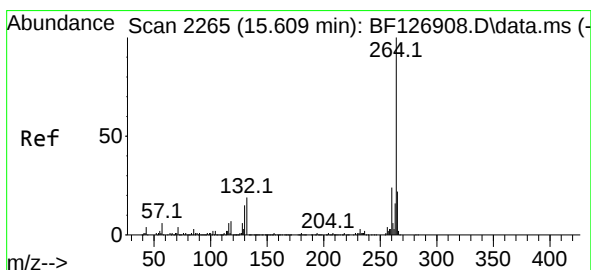
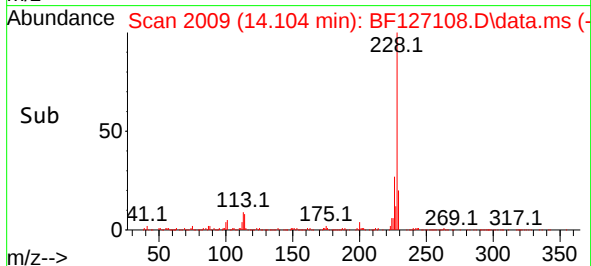
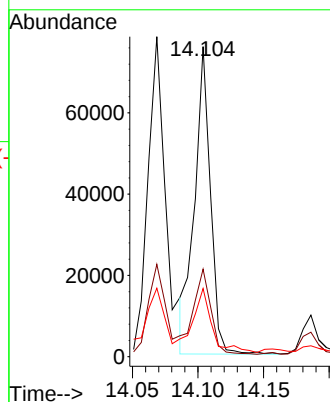
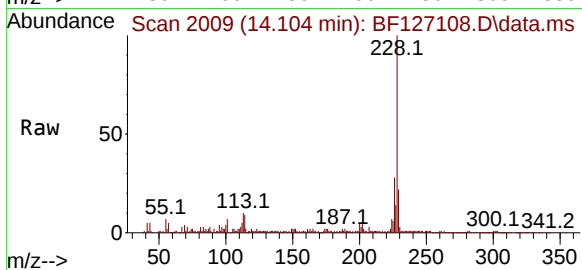
Tgt Ion:228 Resp: 64026

Ion Ratio Lower Upper

228 100

226 28.2 23.7 35.5

229 22.0 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 2259

Delta R.T. -0.012 min

Lab File: BF127108.D

Acq: 28 Feb 2022 19:10

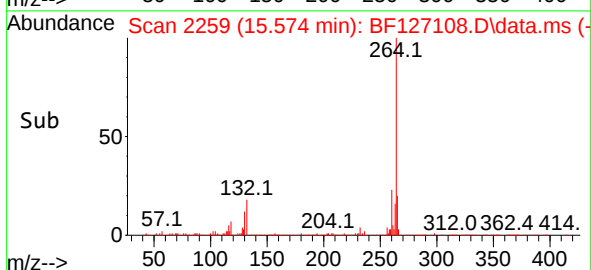
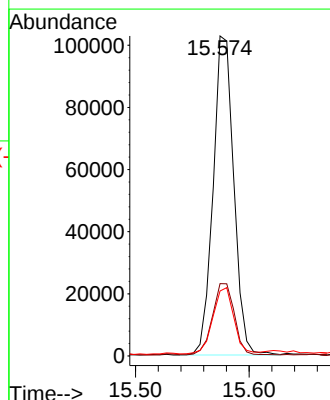
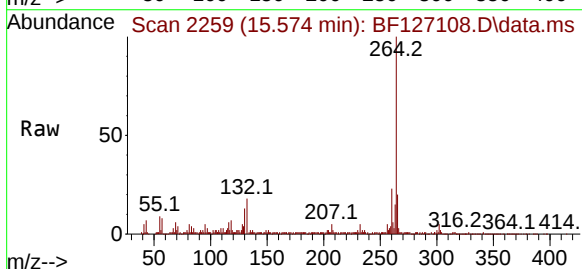
Tgt Ion:264 Resp: 129872

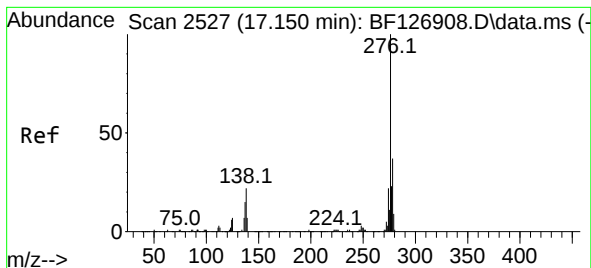
Ion Ratio Lower Upper

264 100

260 22.6 19.2 28.8

265 20.3 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.226 ng

RT: 17.092 min Scan# 2184

Delta R.T. -0.023 min

Lab File: BF127108.D

Acq: 28 Feb 2022 19:10

Instrument :

BNA_F

ClientSampleId :

OK-02-022522

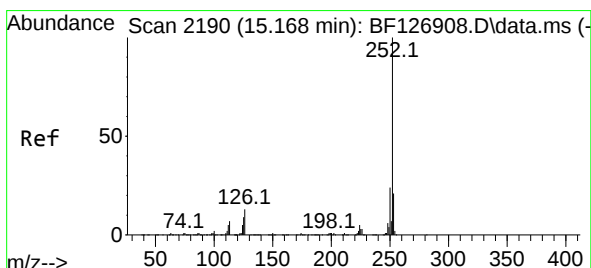
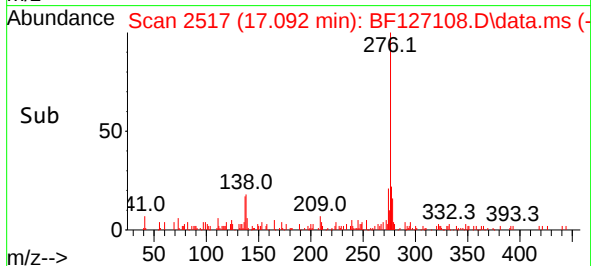
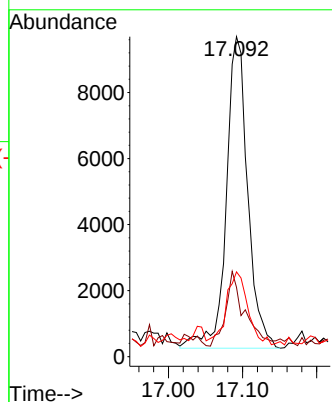
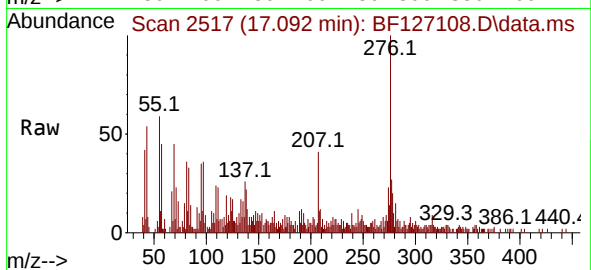
Tgt Ion:276 Resp: 18957

Ion Ratio Lower Upper

276 100

138 21.3 29.2 43.8#

277 22.1 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 8.712 ng

RT: 15.133 min Scan# 2184

Delta R.T. -0.012 min

Lab File: BF127108.D

Acq: 28 Feb 2022 19:10

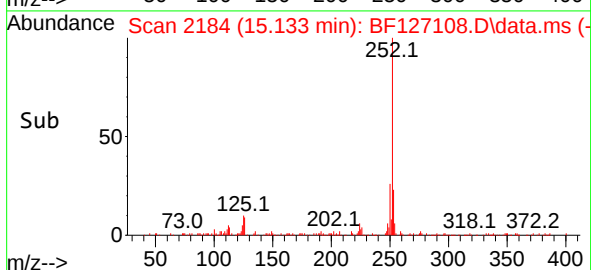
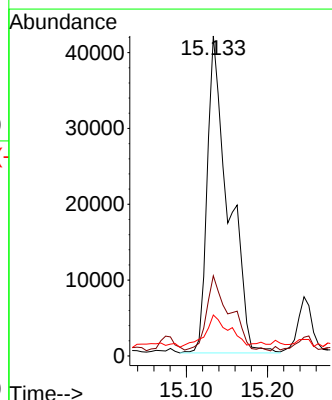
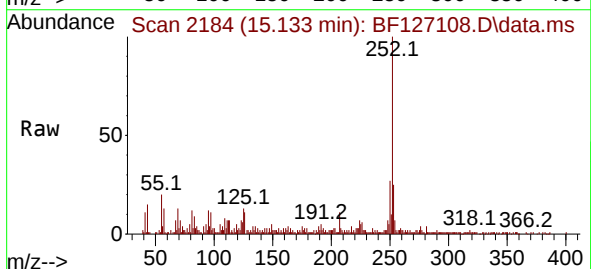
Tgt Ion:252 Resp: 75991

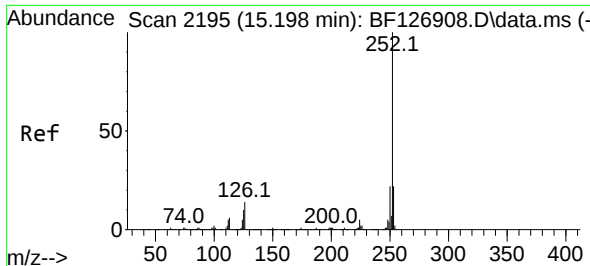
Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.8

125 12.8 12.4 18.6

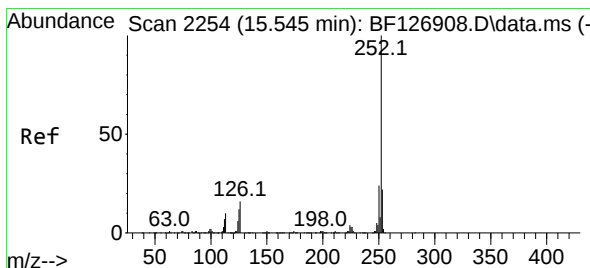
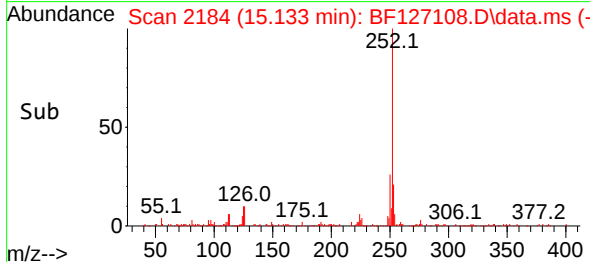
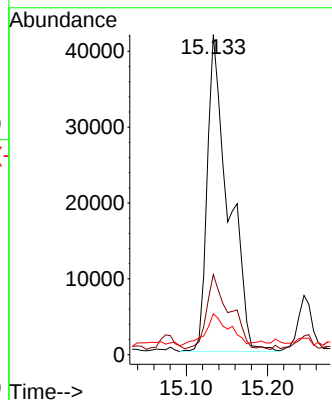
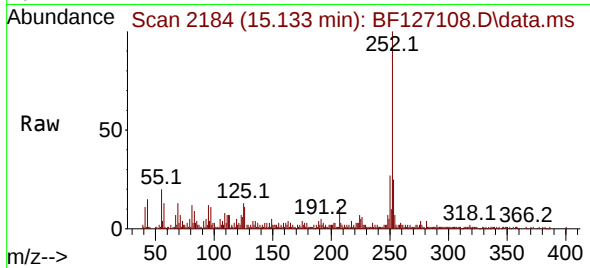




#89
Benzo(k)fluoranthene
Concen: 9.032 ng
RT: 15.133 min Scan# 2195
Delta R.T. -0.041 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

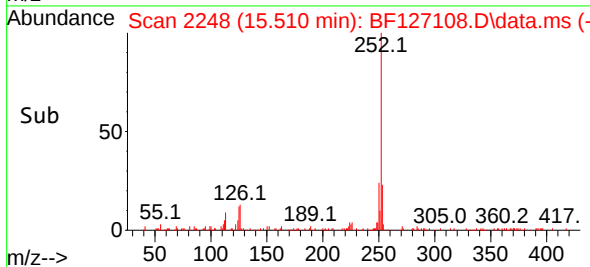
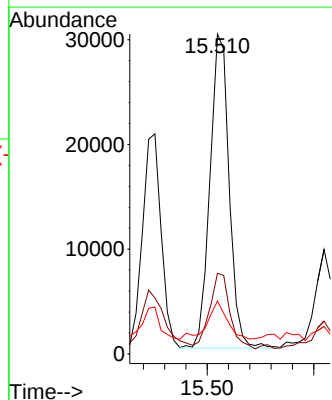
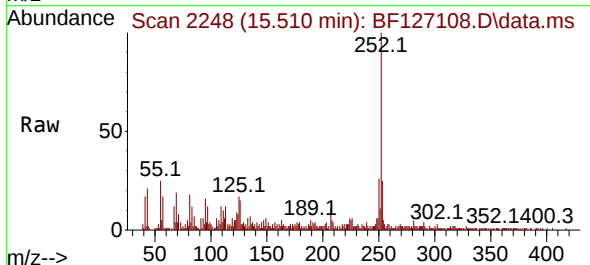
Instrument :
BNA_F
ClientSampleId :
OK-02-022522

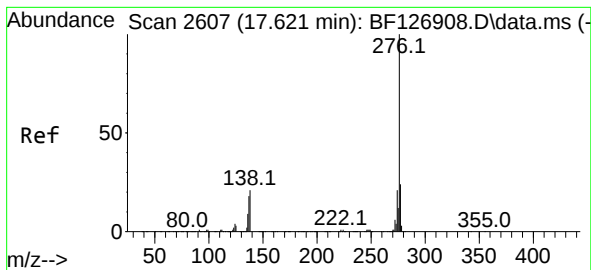
Tgt Ion:252 Resp: 75991
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 12.8 11.8 17.6



#90
Benzo(a)pyrene
Concen: 5.511 ng
RT: 15.510 min Scan# 2248
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Tgt Ion:252 Resp: 37549
Ion Ratio Lower Upper
252 100
253 25.2 17.1 25.7
125 16.6 13.0 19.6





#92

Benzo(g,h,i)perylene

Concen: 2.639 ng

RT: 17.557 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF127108.D

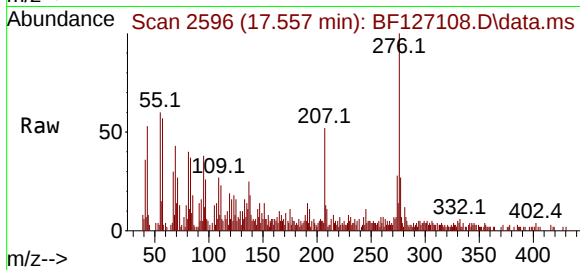
Acq: 28 Feb 2022 19:10

Instrument :

BNA_F

ClientSampleId :

OK-02-022522



Tgt Ion:276 Resp: 18326

Ion Ratio Lower Upper

276 100

277 27.1 18.5 27.7

138 18.4 25.9 38.9#

