

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
 Data File : BF127248.D
 Acq On : 08 Mar 2022 04:43
 Operator : CG\JU
 Sample : N1805-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-030422

Quant Time: Mar 08 05:06:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 02:16:58 2022
 Response via : Initial Calibration

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

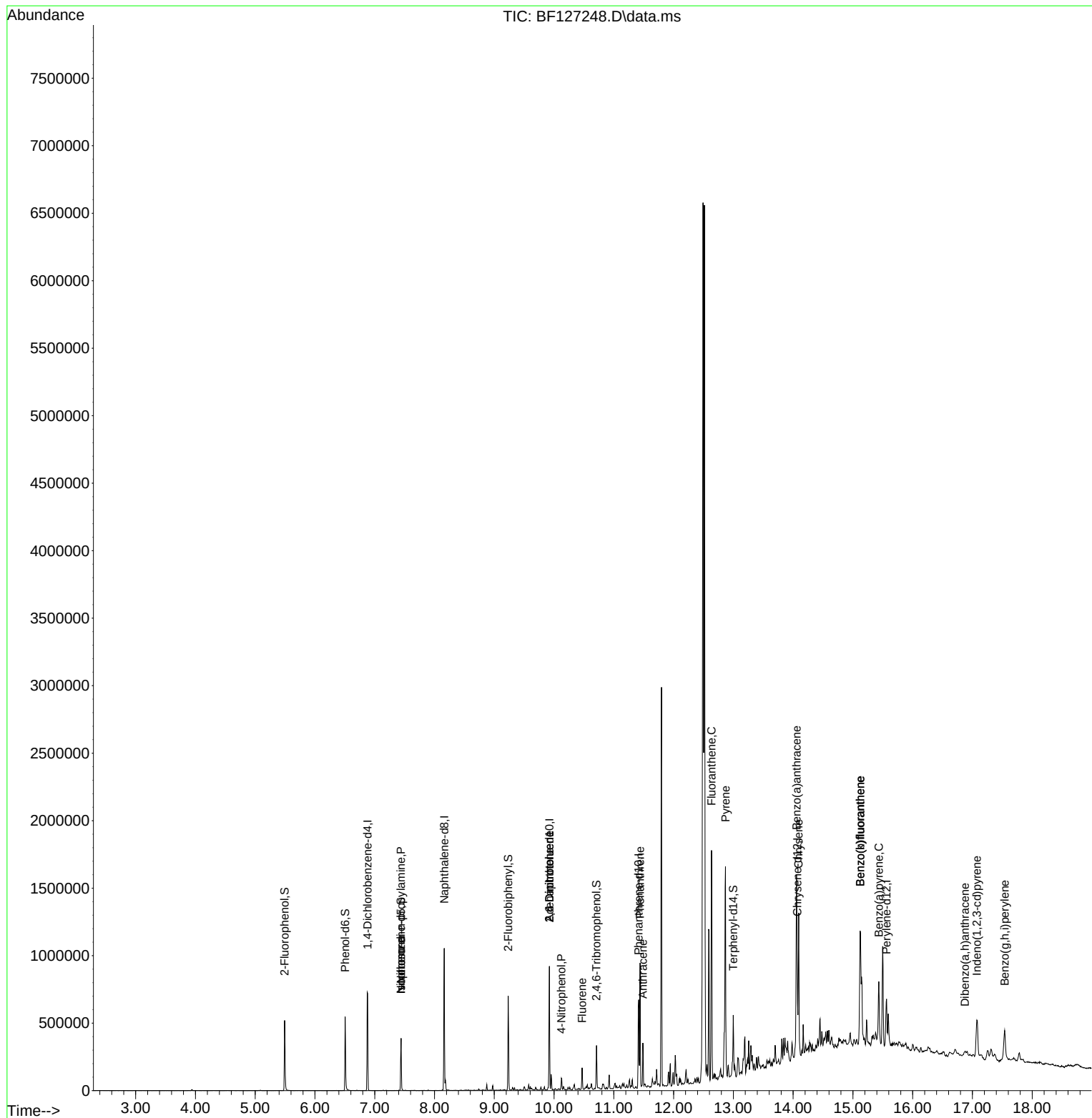
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	105778	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	399236	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	166975	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	230038	20.000	ng	# 0.00
76) Chrysene-d12	14.069	240	175699	20.000	ng	# 0.00
86) Perylene-d12	15.563	264	144076	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	124621	18.209	ng	0.00
7) Phenol-d6	6.504	99	160106	17.337	ng	-0.01
23) Nitrobenzene-d5	7.440	82	105118	11.885	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	28524	14.837	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	175231	15.449	ng	0.00
79) Terphenyl-d14	12.998	244	129569	10.841	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	13764	2.313	ng	# 82
25) Isophorone	7.440	82	105117	7.182	ng	# 69
51) 2,6-Dinitrotoluene	9.922	165	22034	9.074	ng	# 21
56) 4-Nitrophenol	10.122	139	12216	5.572	ng	# 8
57) 2,4-Dinitrotoluene	9.922	165	22034	6.711	ng	# 15
58) Fluorene	10.469	166	35902	3.234	ng	96
71) Phenanthrene	11.439	178	299422	23.255	ng	99
72) Anthracene	11.486	178	114353	8.921	ng	97
75) Fluoranthene	12.633	202	658247	53.842	ng	94
78) Pyrene	12.869	202	634020	41.536	ng	99
81) Benzo(a)anthracene	14.057	228	447764	37.802	ng	97
83) Chrysene	14.092	228	342739	30.770	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	193340	20.465	ng	# 82
88) Benzo(b)fluoranthene	15.121	252	692615	71.576	ng	# 94
89) Benzo(k)fluoranthene	15.121	252	692615	74.208	ng	# 94
90) Benzo(a)pyrene	15.433	252	215707	28.538	ng	97
91) Dibenzo(a,h)anthracene	16.874	278	32414	4.149	ng	93
92) Benzo(g,h,i)perylene	17.539	276	172987	22.457	ng	# 85

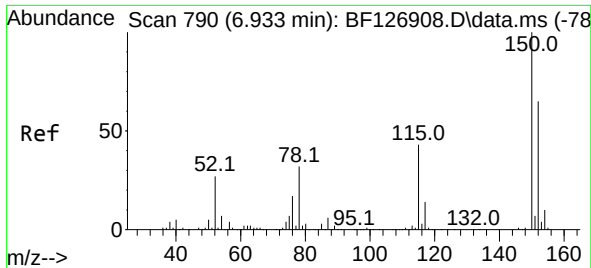
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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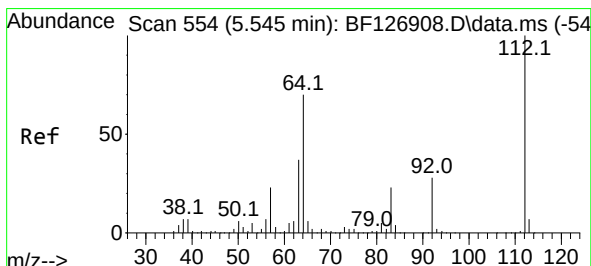
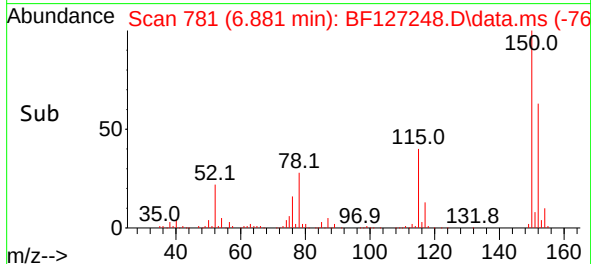
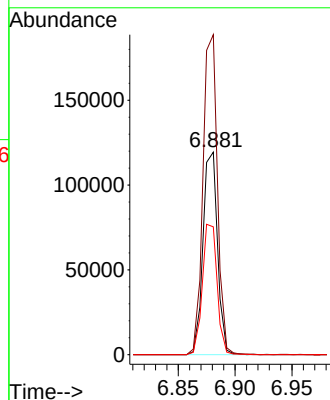
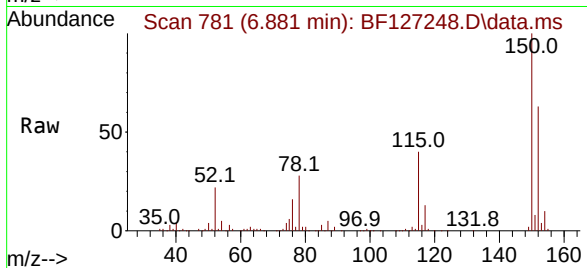




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

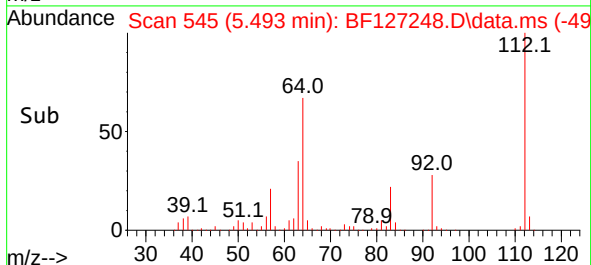
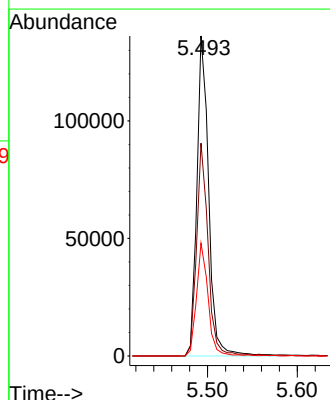
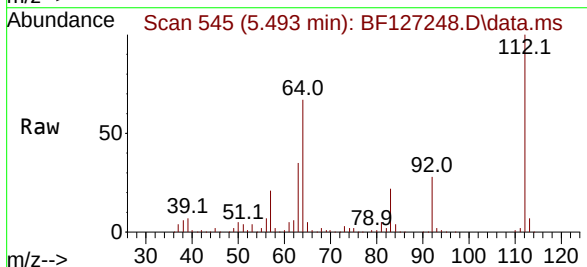
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BNA_F
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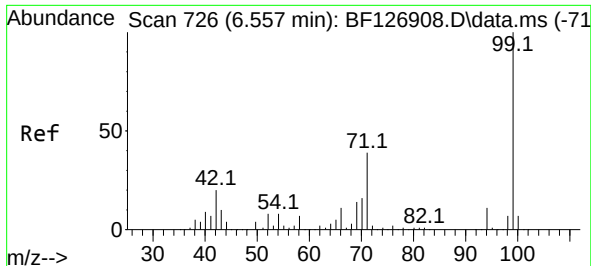
Tgt Ion:152 Resp: 105778
Ion Ratio Lower Upper
152 100
150 157.9 128.1 192.1
115 63.1 56.7 85.1



#5
2-Fluorophenol
Concen: 18.209 ng
RT: 5.493 min Scan# 545
Delta R.T. -0.006 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

Tgt Ion:112 Resp: 124621
Ion Ratio Lower Upper
112 100
64 66.5 49.5 74.3
63 35.2 23.9 35.9

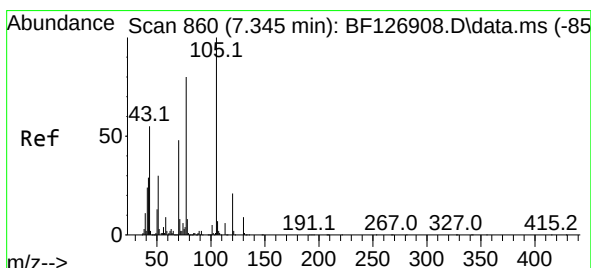
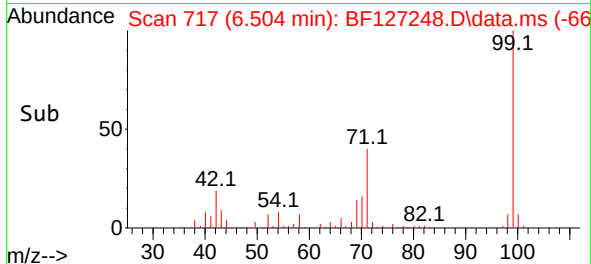
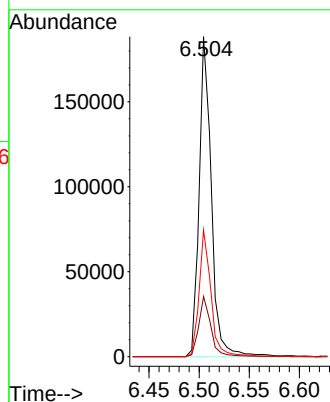
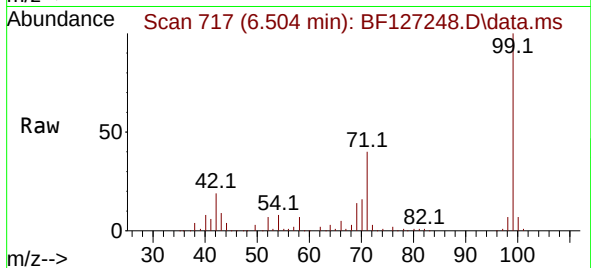




#7
Phenol-d6
Concen: 17.337 ng
RT: 6.504 min Scan# 717
Delta R.T. -0.012 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

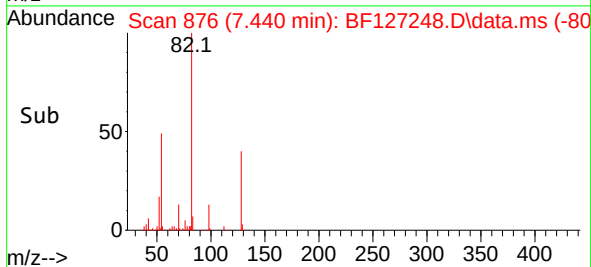
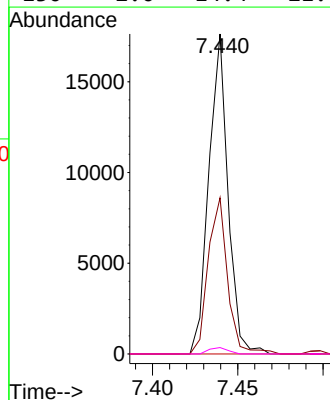
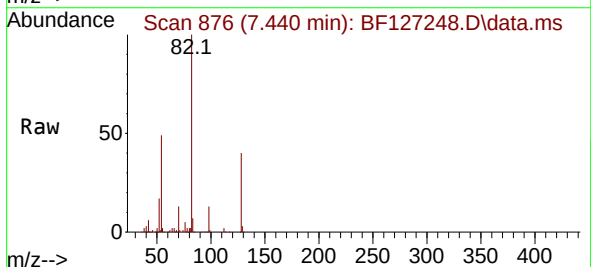
Instrument :
BNA_F
ClientSampleId :
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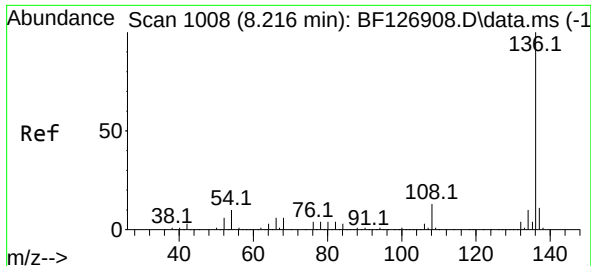
Tgt Ion: 99 Resp: 160106
Ion Ratio Lower Upper
99 100
42 18.8 14.2 21.4
71 39.5 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 2.313 ng
RT: 7.440 min Scan# 876
Delta R.T. 0.147 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

Tgt Ion: 70 Resp: 13764
Ion Ratio Lower Upper
70 100
42 48.8 45.8 68.8
101 0.0 6.9 10.3#
130 2.0 14.4 21.6#

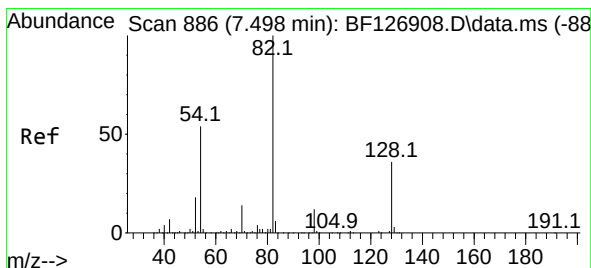
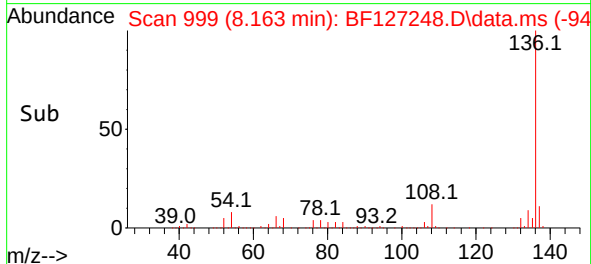
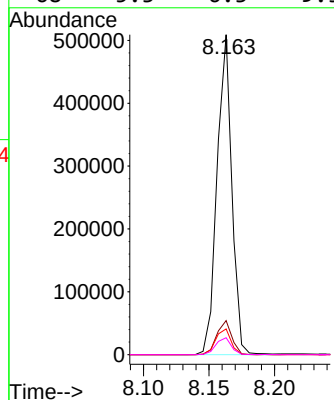
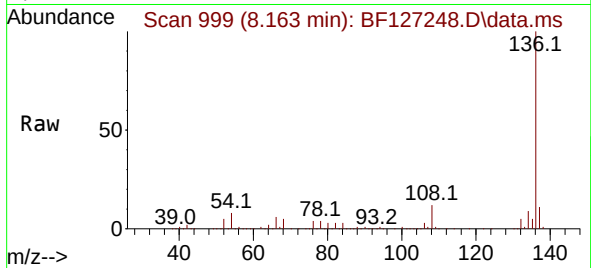




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

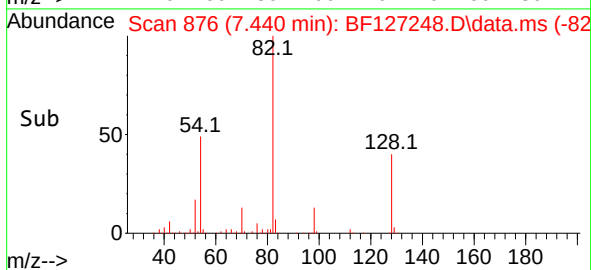
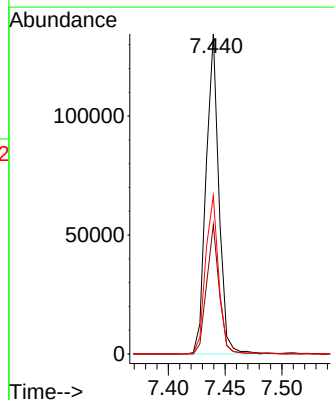
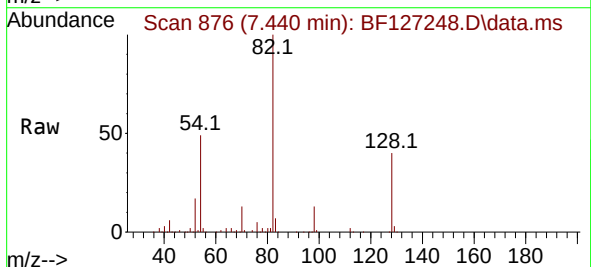
Instrument :
BNA_F
ClientSampleId :
NB-08-030422

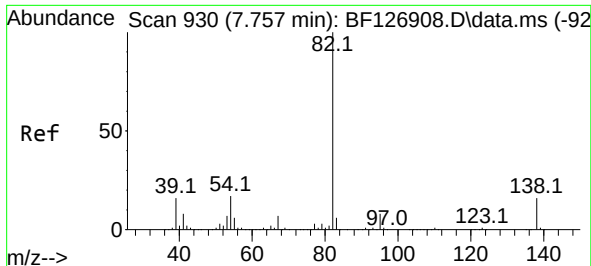
Tgt Ion:136 Resp: 399236
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.1 7.8 11.6
68 5.3 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 11.885 ng
RT: 7.440 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

Tgt Ion: 82 Resp: 105118
Ion Ratio Lower Upper
82 100
128 40.4 32.7 49.1
54 49.5 41.7 62.5

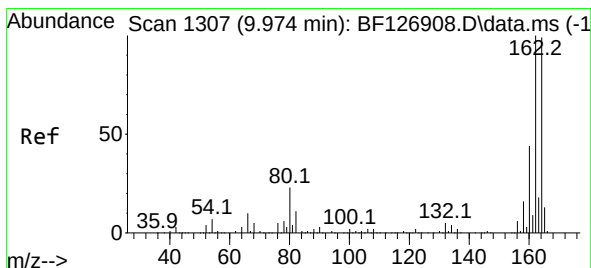
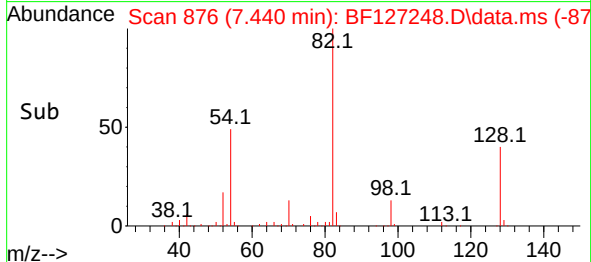
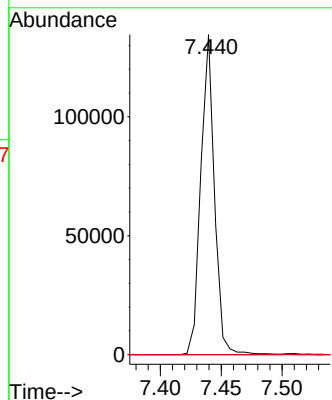
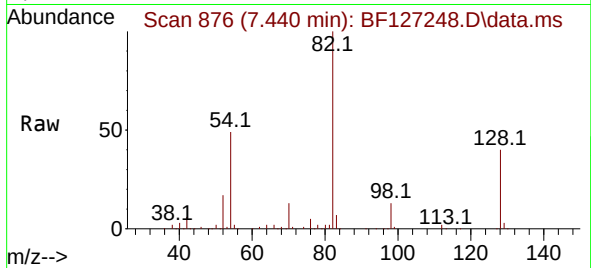




#25
Isophorone
Concen: 7.182 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

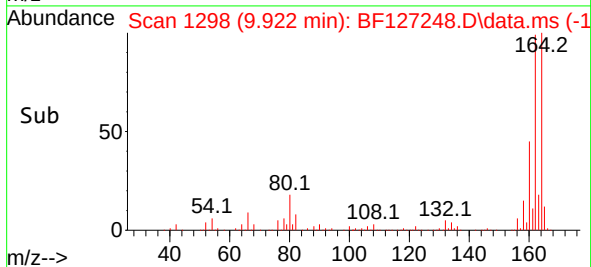
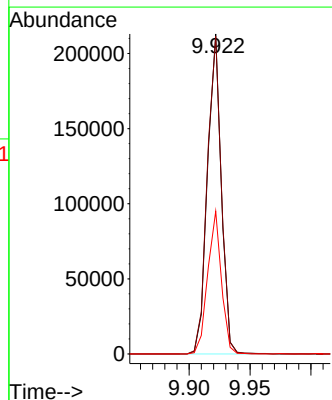
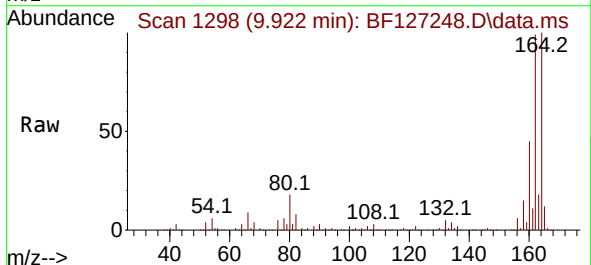
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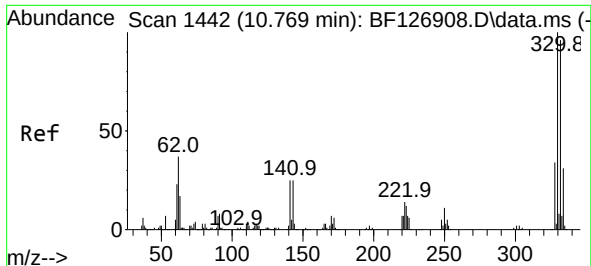
Tgt Ion: 82 Resp: 105117
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

Tgt Ion:164 Resp: 166975
Ion Ratio Lower Upper
164 100
162 99.2 81.4 122.0
160 44.6 36.6 54.8

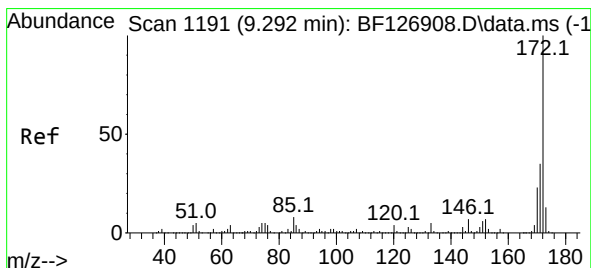
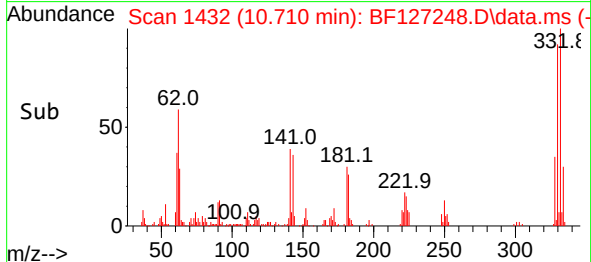
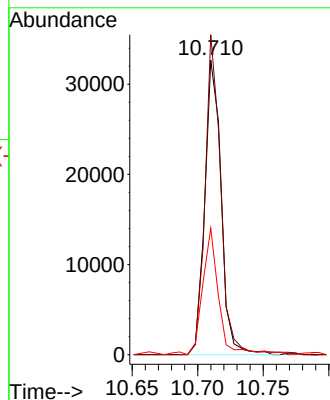
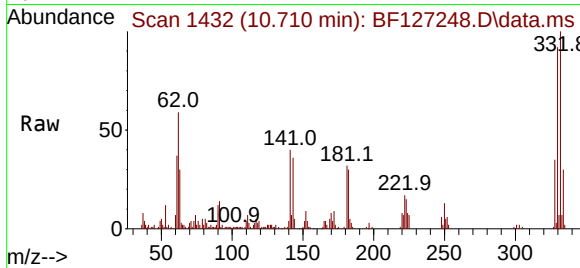




#42
 2,4,6-Tribromophenol
 Concen: 14.837 ng
 RT: 10.710 min Scan# 1442
 Delta R.T. -0.006 min
 Lab File: BF127248.D
 Acq: 08 Mar 2022 04:43

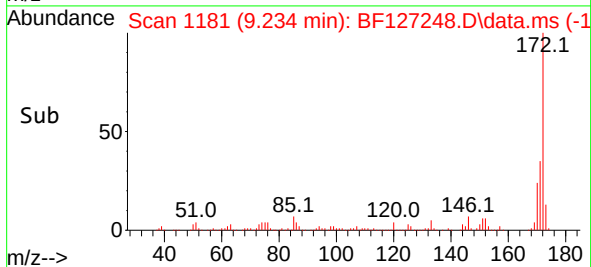
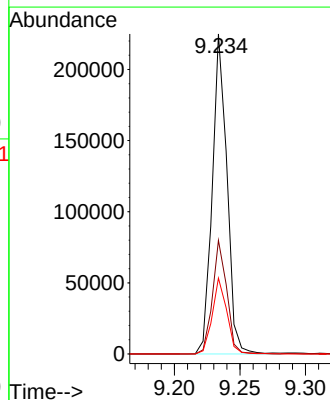
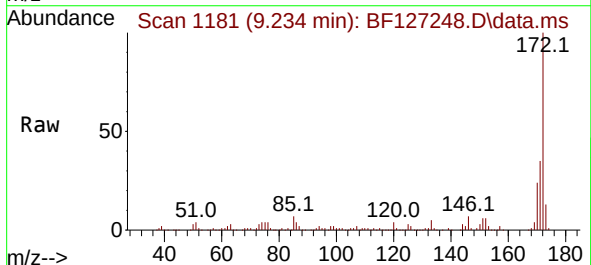
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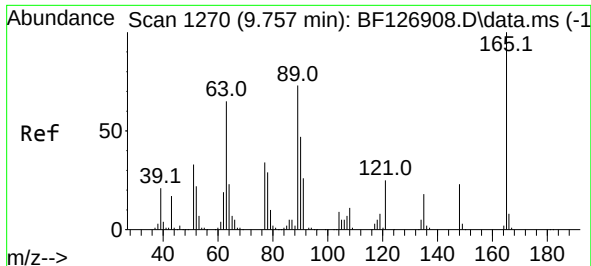
Tgt Ion: 330 Resp: 28524
 Ion Ratio Lower Upper
 330 100
 332 103.6 76.0 114.0
 141 42.3 30.1 45.1



#45
 2-Fluorobiphenyl
 Concen: 15.449 ng
 RT: 9.234 min Scan# 1181
 Delta R.T. -0.006 min
 Lab File: BF127248.D
 Acq: 08 Mar 2022 04:43

Tgt Ion: 172 Resp: 175231
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.3 42.5
 170 23.7 19.0 28.6

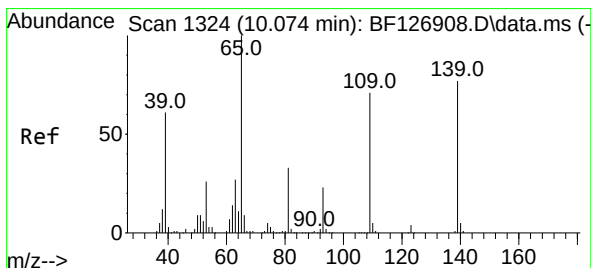
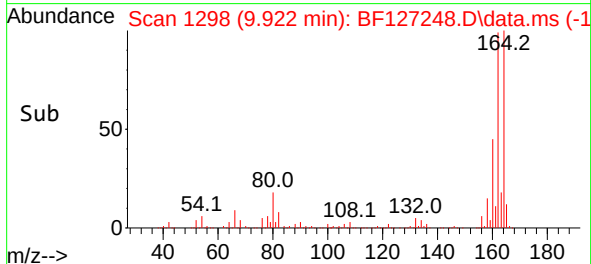
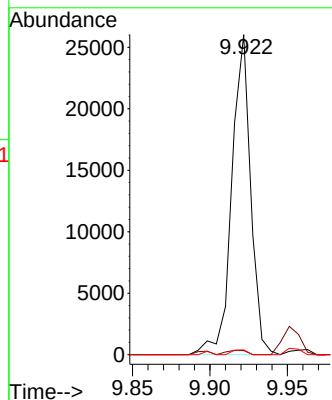
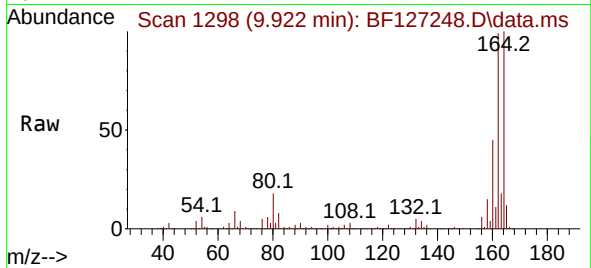




#51
2,6-Dinitrotoluene
Concen: 9.074 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

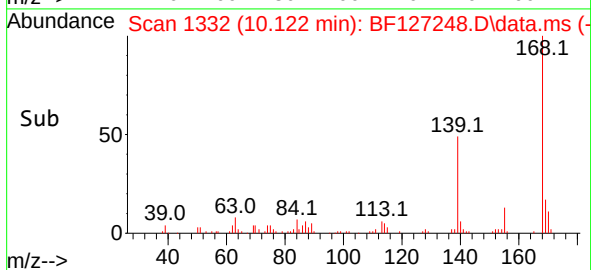
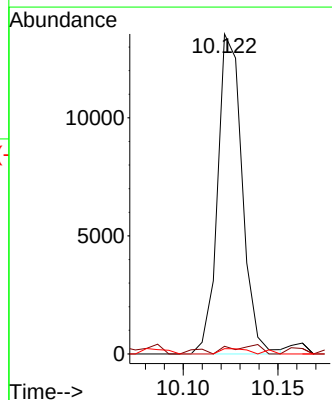
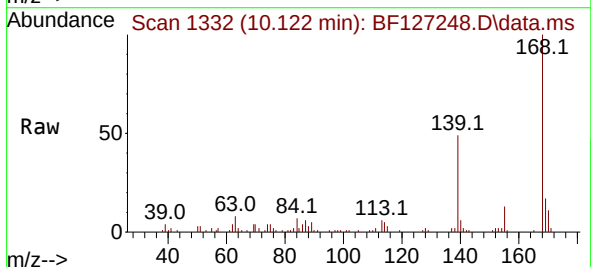
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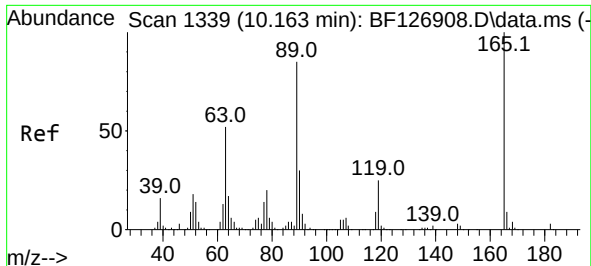
Tgt Ion:165 Resp: 22034
Ion Ratio Lower Upper
165 100
63 1.3 48.4 72.6#
89 1.5 50.5 75.7#



#56
4-Nitrophenol
Concen: 5.572 ng
RT: 10.122 min Scan# 1332
Delta R.T. 0.077 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

Tgt Ion:139 Resp: 12216
Ion Ratio Lower Upper
139 100
109 2.4 44.1 84.1#
65 1.6 85.5 125.5#

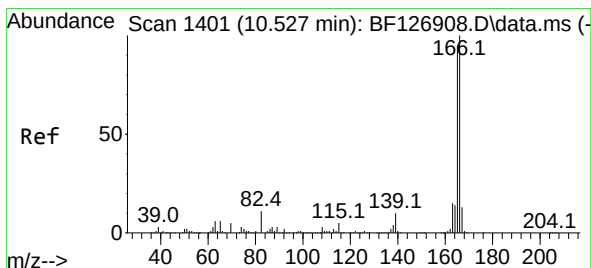
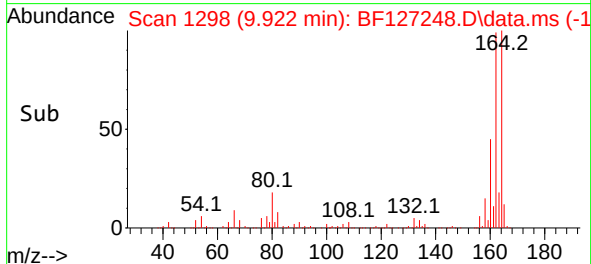
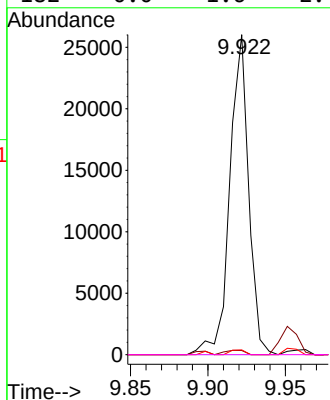
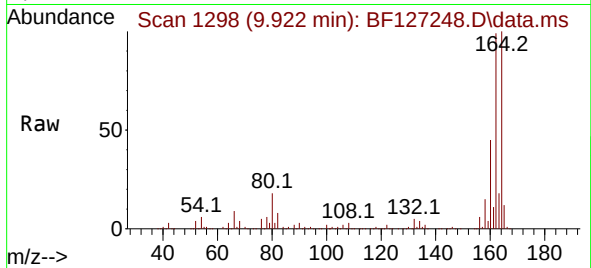




#57
2,4-Dinitrotoluene
Concen: 6.711 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

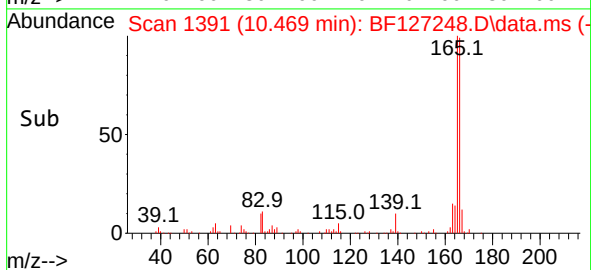
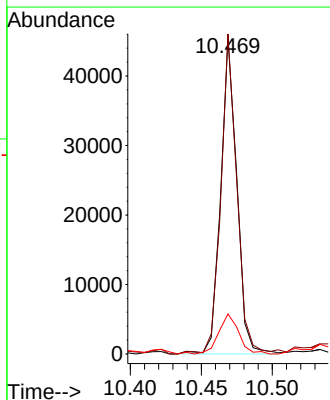
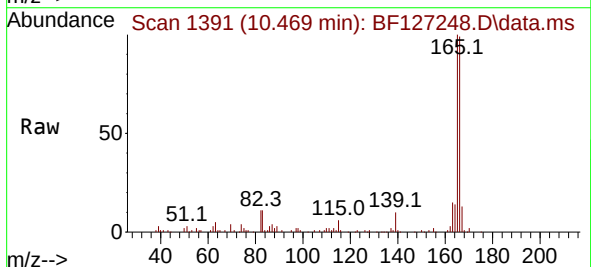
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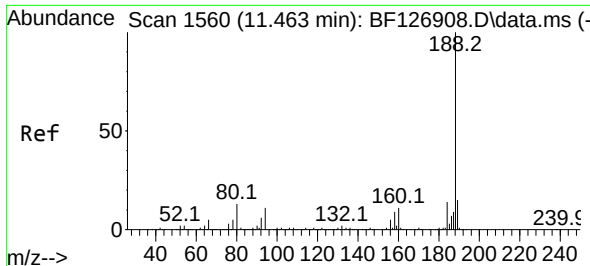
Tgt Ion:165 Resp: 22034
Ion Ratio Lower Upper
165 100
63 1.3 43.0 64.6#
89 1.5 71.0 106.4#
182 0.0 1.6 2.4#



#58
Fluorene
Concen: 3.234 ng
RT: 10.469 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

Tgt Ion:166 Resp: 35902
Ion Ratio Lower Upper
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165 101.2 77.7 116.5
167 12.7 10.7 16.1

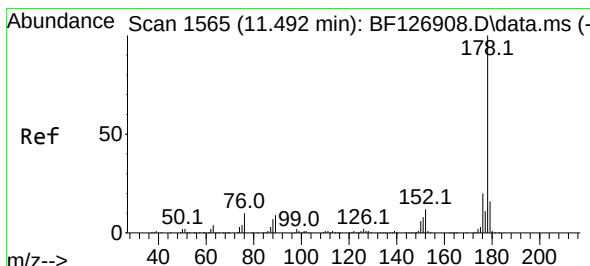
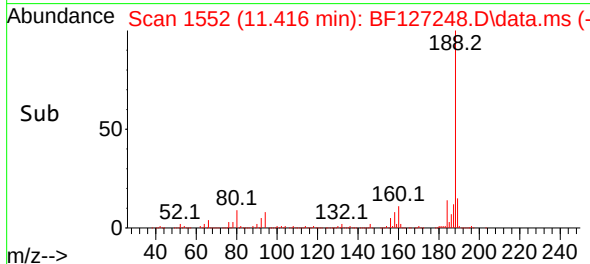
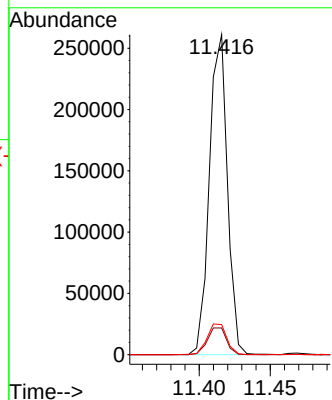
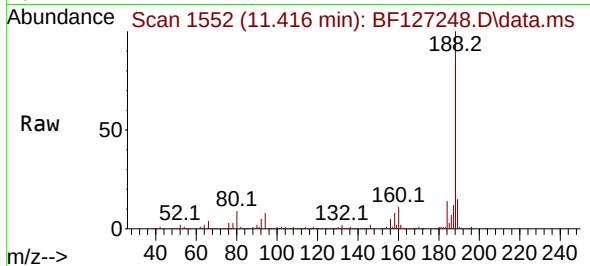




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1552
Delta R.T. 0.000 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

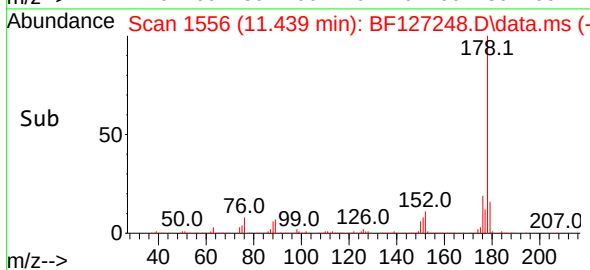
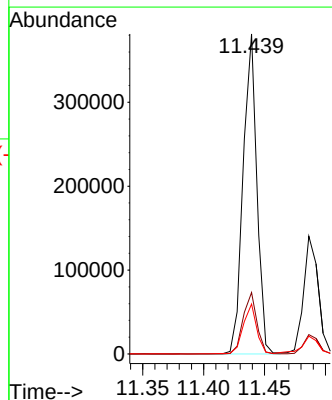
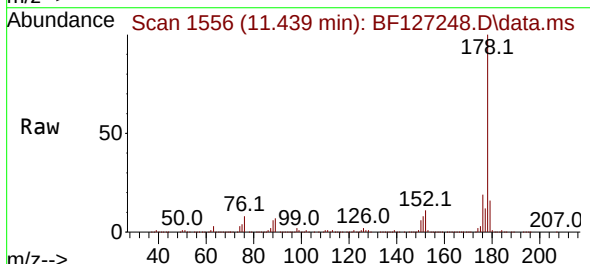
Instrument :
BNA_F
ClientSampleId :
NB-08-030422

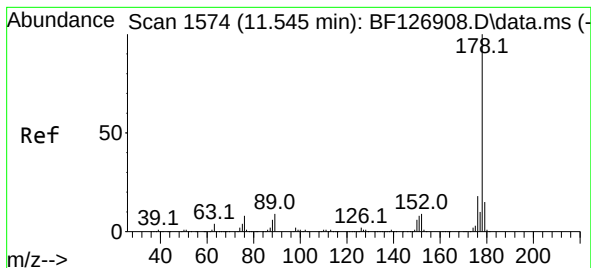
Tgt Ion:188 Resp: 230038
Ion Ratio Lower Upper
188 100
94 8.4 10.1 15.1#
80 9.4 11.8 17.6#



#71
Phenanthrene
Concen: 23.255 ng
RT: 11.439 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

Tgt Ion:178 Resp: 299422
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.6 12.3 18.5





#72

Anthracene

Concen: 8.921 ng

RT: 11.486 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127248.D

Acq: 08 Mar 2022 04:43

Instrument :

BNA_F

ClientSampleId :

NB-08-030422

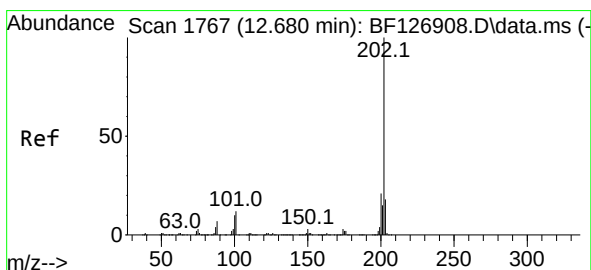
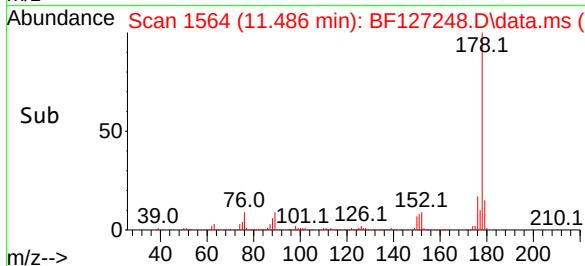
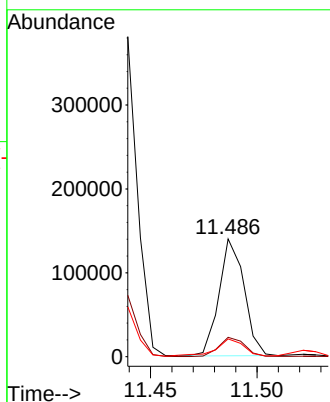
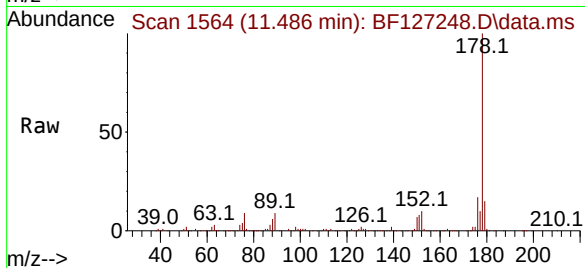
Tgt Ion:178 Resp: 114353

Ion Ratio Lower Upper

178 100

176 16.5 15.0 22.6

179 15.2 12.5 18.7



#75

Fluoranthene

Concen: 53.842 ng

RT: 12.633 min Scan# 1759

Delta R.T. 0.000 min

Lab File: BF127248.D

Acq: 08 Mar 2022 04:43

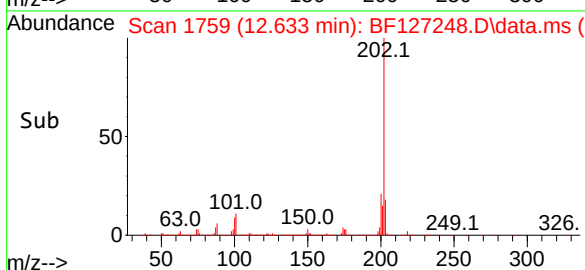
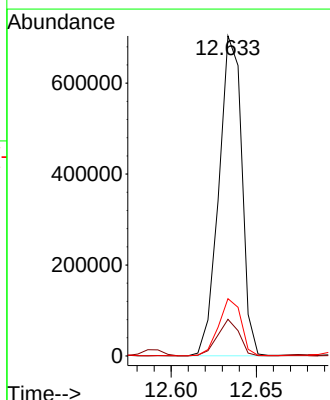
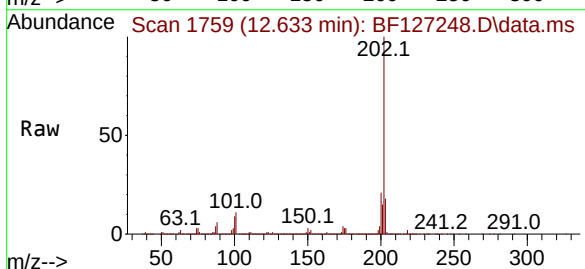
Tgt Ion:202 Resp: 658247

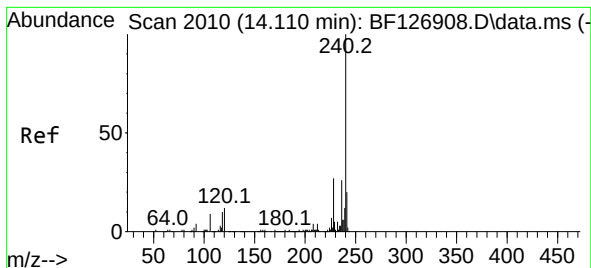
Ion Ratio Lower Upper

202 100

101 11.5 0.0 35.7

203 17.9 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF127248.D

Acq: 08 Mar 2022 04:43

Instrument :

BNA_F

ClientSampleId :

NB-08-030422

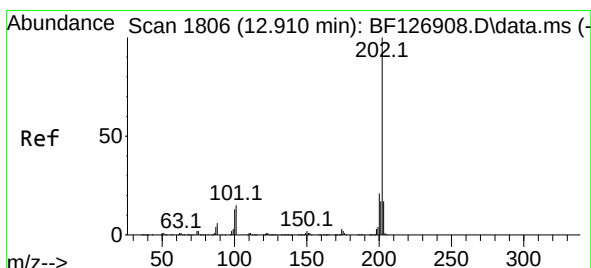
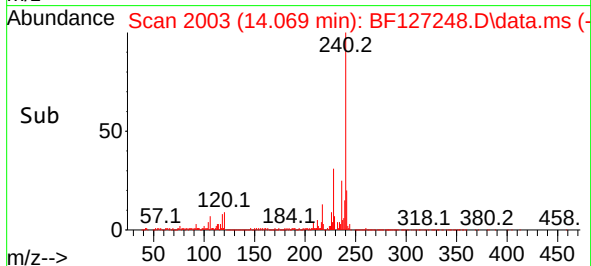
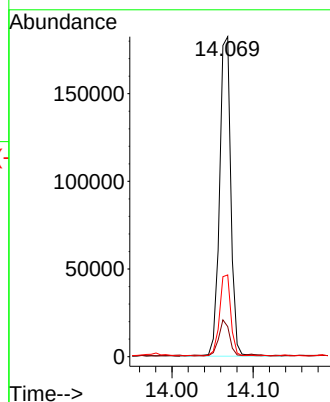
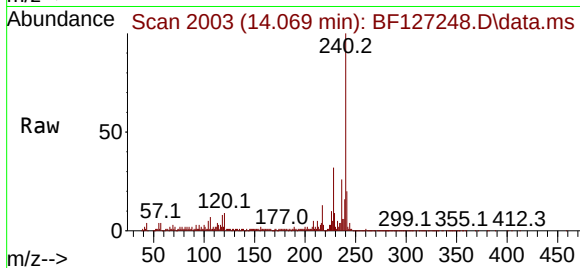
Tgt Ion:240 Resp: 175699

Ion Ratio Lower Upper

240 100

120 9.4 14.4 21.6#

236 25.6 20.5 30.7



#78

Pyrene

Concen: 41.536 ng

RT: 12.869 min Scan# 1799

Delta R.T. 0.006 min

Lab File: BF127248.D

Acq: 08 Mar 2022 04:43

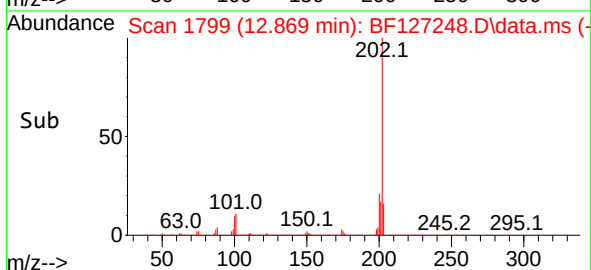
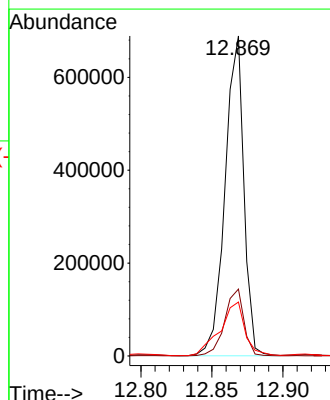
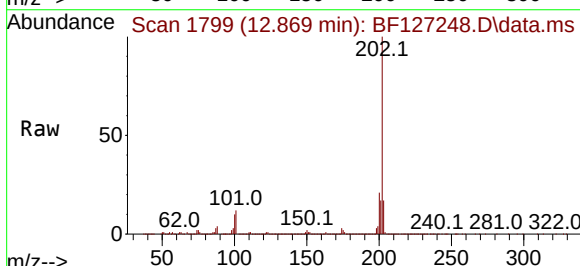
Tgt Ion:202 Resp: 634020

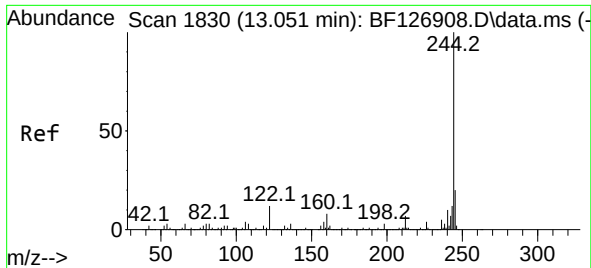
Ion Ratio Lower Upper

202 100

200 20.9 16.6 24.8

203 16.8 13.8 20.8

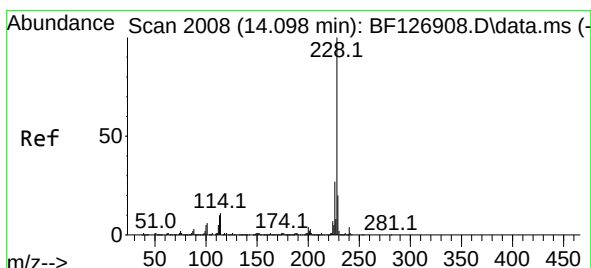
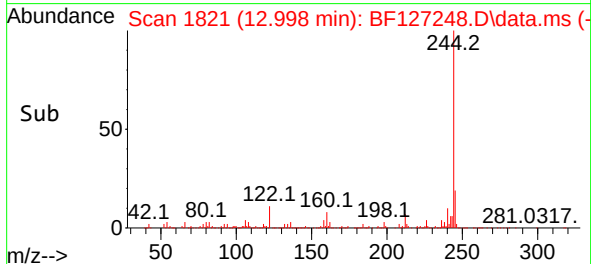
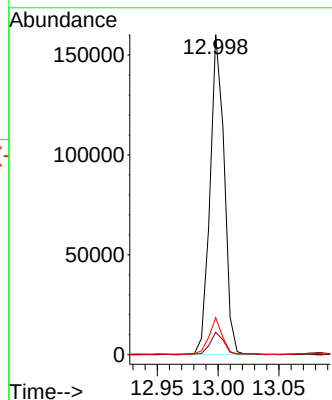
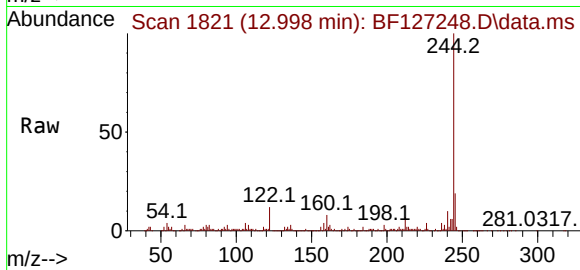




#79
 Terphenyl-d14
 Concen: 10.841 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF127248.D
 Acq: 08 Mar 2022 04:43

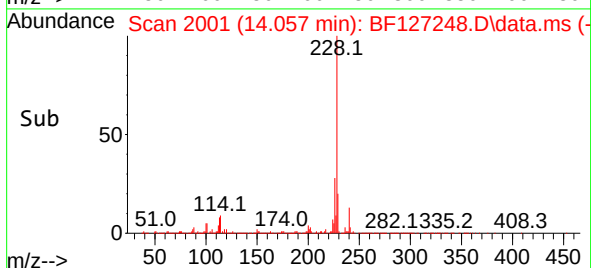
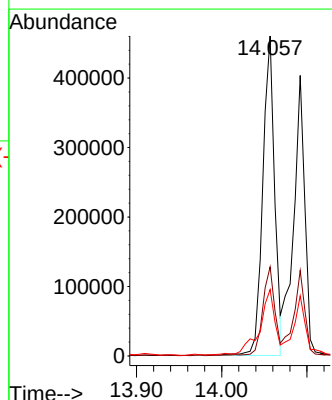
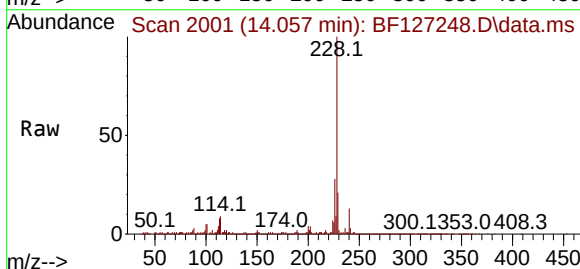
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-030422

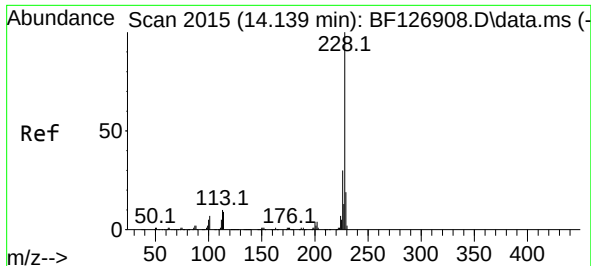
Tgt Ion:244 Resp: 129569
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.0 7.4
 122 11.6 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 37.802 ng
 RT: 14.057 min Scan# 2001
 Delta R.T. 0.006 min
 Lab File: BF127248.D
 Acq: 08 Mar 2022 04:43

Tgt Ion:228 Resp: 447764
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.4 32.0
 229 20.7 15.4 23.2

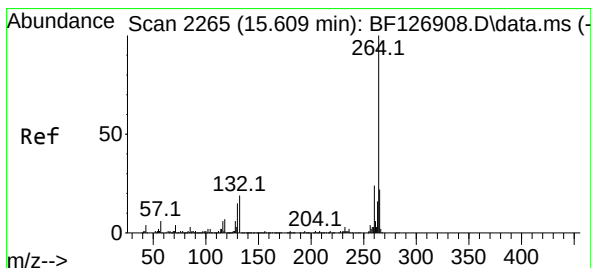
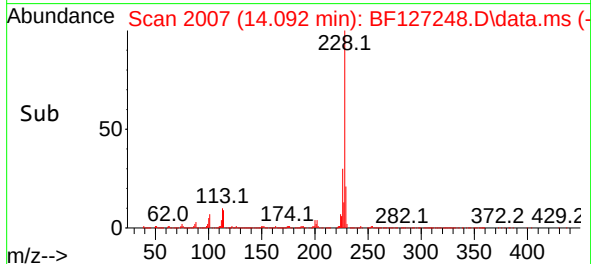
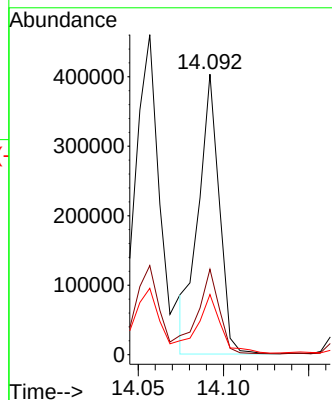
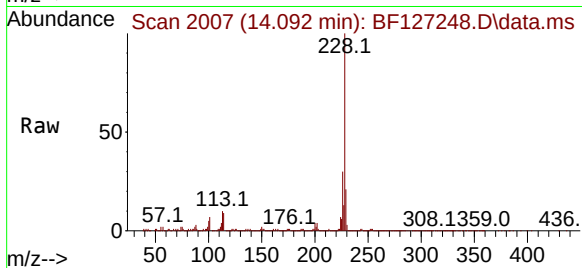




#83
Chrysene
Concen: 30.770 ng
RT: 14.092 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

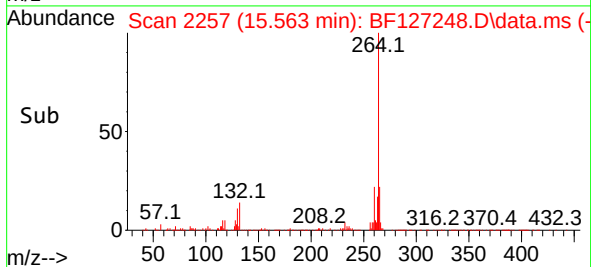
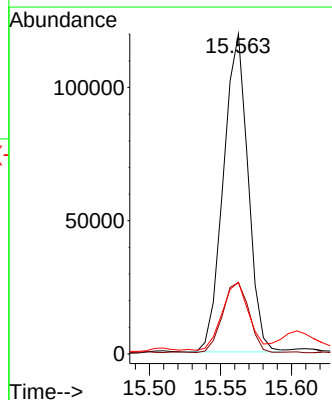
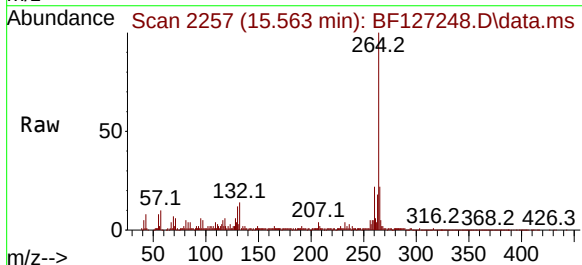
Instrument :
BNA_F
ClientSampleId :
NB-08-030422

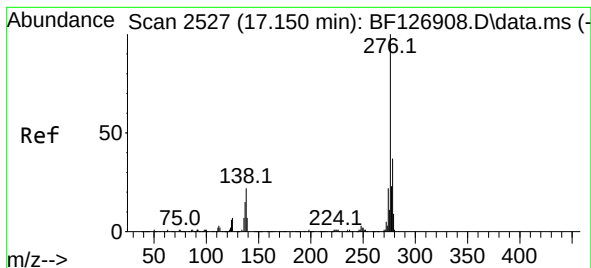
Tgt Ion:228 Resp: 342739
Ion Ratio Lower Upper
228 100
226 30.5 23.7 35.5
229 21.5 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2257
Delta R.T. 0.018 min
Lab File: BF127248.D
Acq: 08 Mar 2022 04:43

Tgt Ion:264 Resp: 144076
Ion Ratio Lower Upper
264 100
260 22.3 19.2 28.8
265 22.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.465 ng

RT: 17.074 min Scan# 2182

Delta R.T. 0.018 min

Lab File: BF127248.D

Acq: 08 Mar 2022 04:43

Instrument :

BNA_F

ClientSampleId :

NB-08-030422

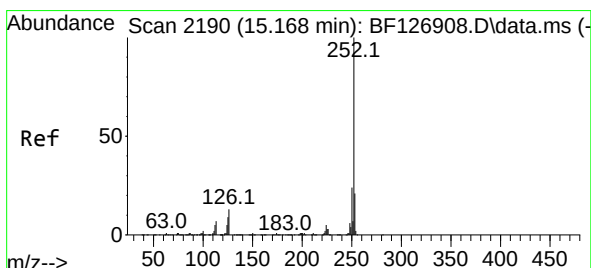
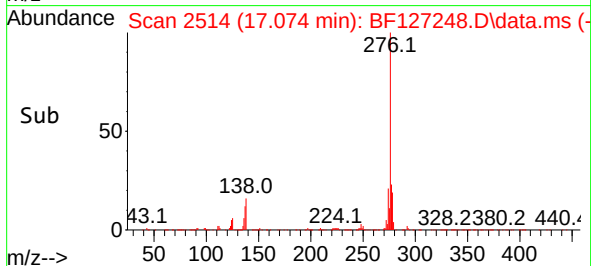
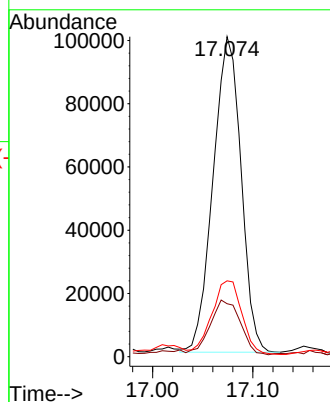
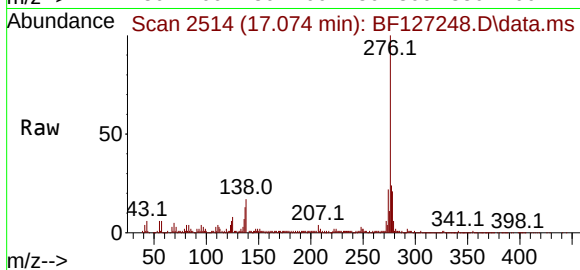
Tgt Ion:276 Resp: 193340

Ion Ratio Lower Upper

276 100

138 18.6 29.2 43.8#

277 25.2 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 71.576 ng

RT: 15.121 min Scan# 2182

Delta R.T. 0.012 min

Lab File: BF127248.D

Acq: 08 Mar 2022 04:43

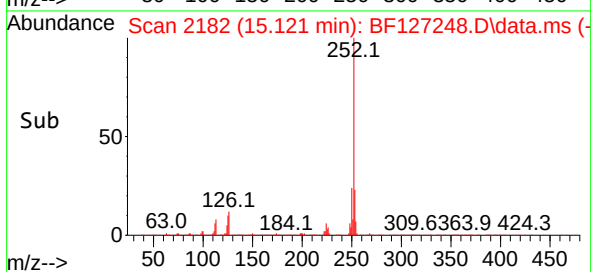
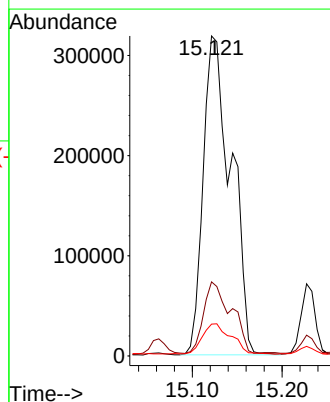
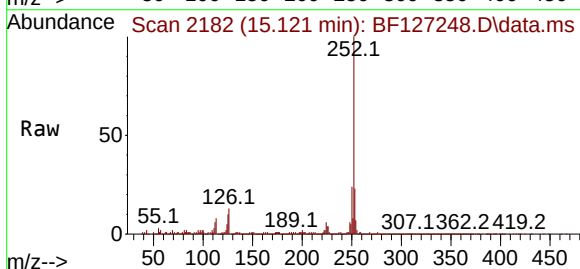
Tgt Ion:252 Resp: 692615

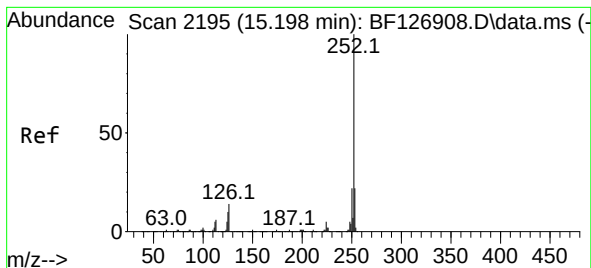
Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 10.0 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 74.208 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF127248.D

Acq: 08 Mar 2022 04:43

Instrument :

BNA_F

ClientSampleId :

NB-08-030422

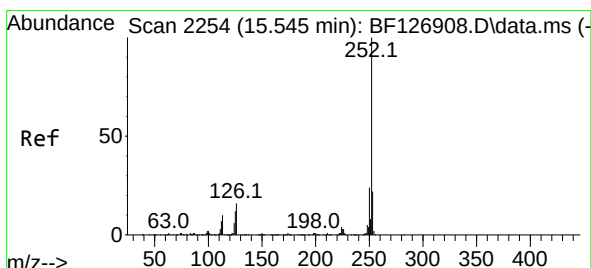
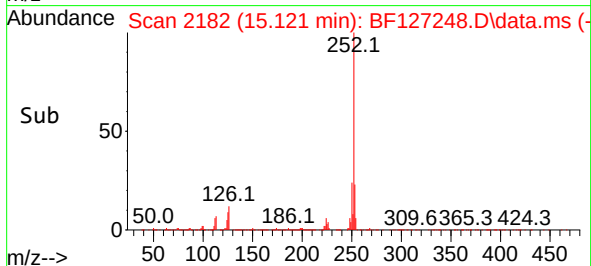
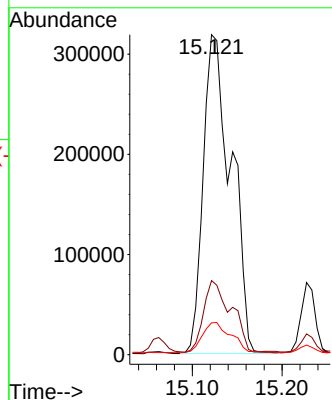
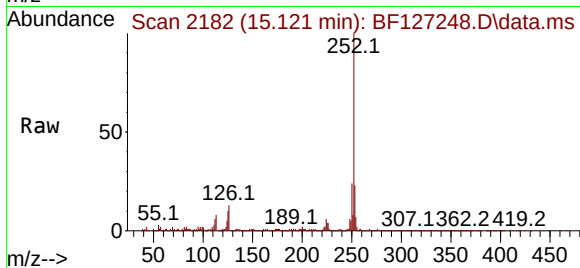
Tgt Ion:252 Resp: 692615

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 10.0 11.8 17.6#



#90

Benzo(a)pyrene

Concen: 28.538 ng

RT: 15.433 min Scan# 2235

Delta R.T. -0.053 min

Lab File: BF127248.D

Acq: 08 Mar 2022 04:43

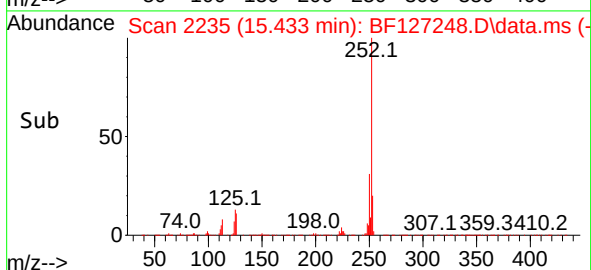
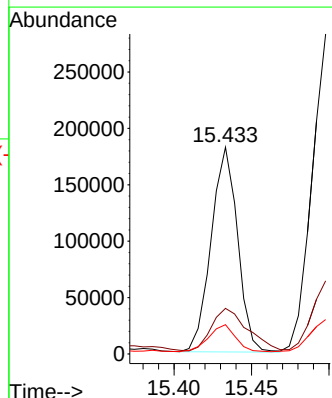
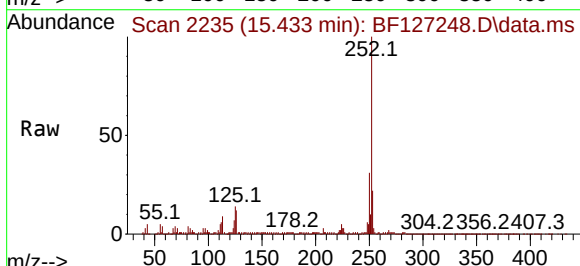
Tgt Ion:252 Resp: 215707

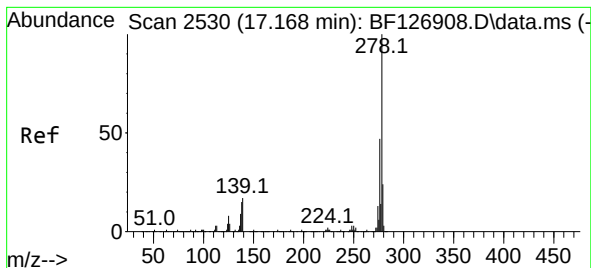
Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

125 14.1 13.0 19.6





#91

Dibenzo(a,h)anthracene

Concen: 4.149 ng

RT: 16.874 min Scan# 24

Delta R.T. -0.200 min

Lab File: BF127248.D

Acq: 08 Mar 2022 04:43

Instrument :

BNA_F

ClientSampleId :

NB-08-030422

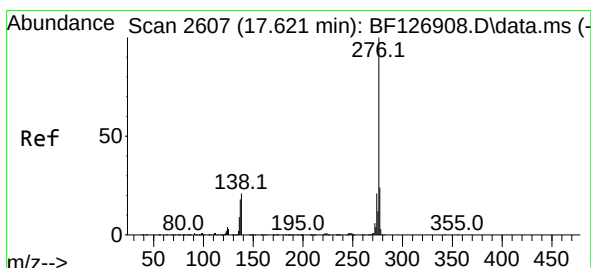
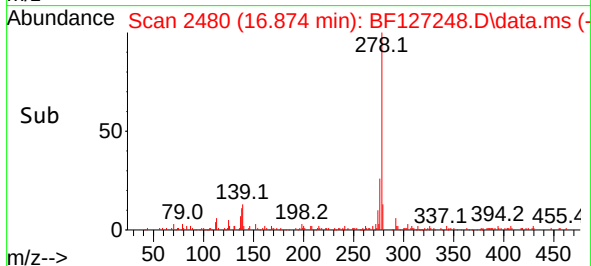
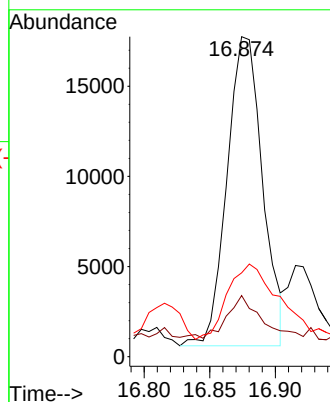
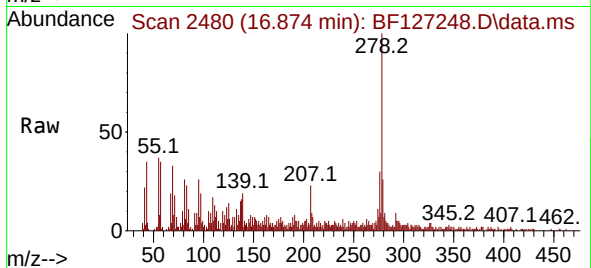
Tgt Ion:278 Resp: 32414

Ion Ratio Lower Upper

278 100

139 19.1 18.0 27.0

279 26.2 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 22.457 ng

RT: 17.539 min Scan# 2593

Delta R.T. 0.018 min

Lab File: BF127248.D

Acq: 08 Mar 2022 04:43

Tgt Ion:276 Resp: 172987

Ion Ratio Lower Upper

276 100

277 23.1 18.5 27.7

138 17.8 25.9 38.9#

