

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
 Data File : BF127238.D
 Acq On : 07 Mar 2022 23:52
 Operator : CG\JU
 Sample : N1790-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUM-18

Quant Time: Mar 08 00:38:57 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)

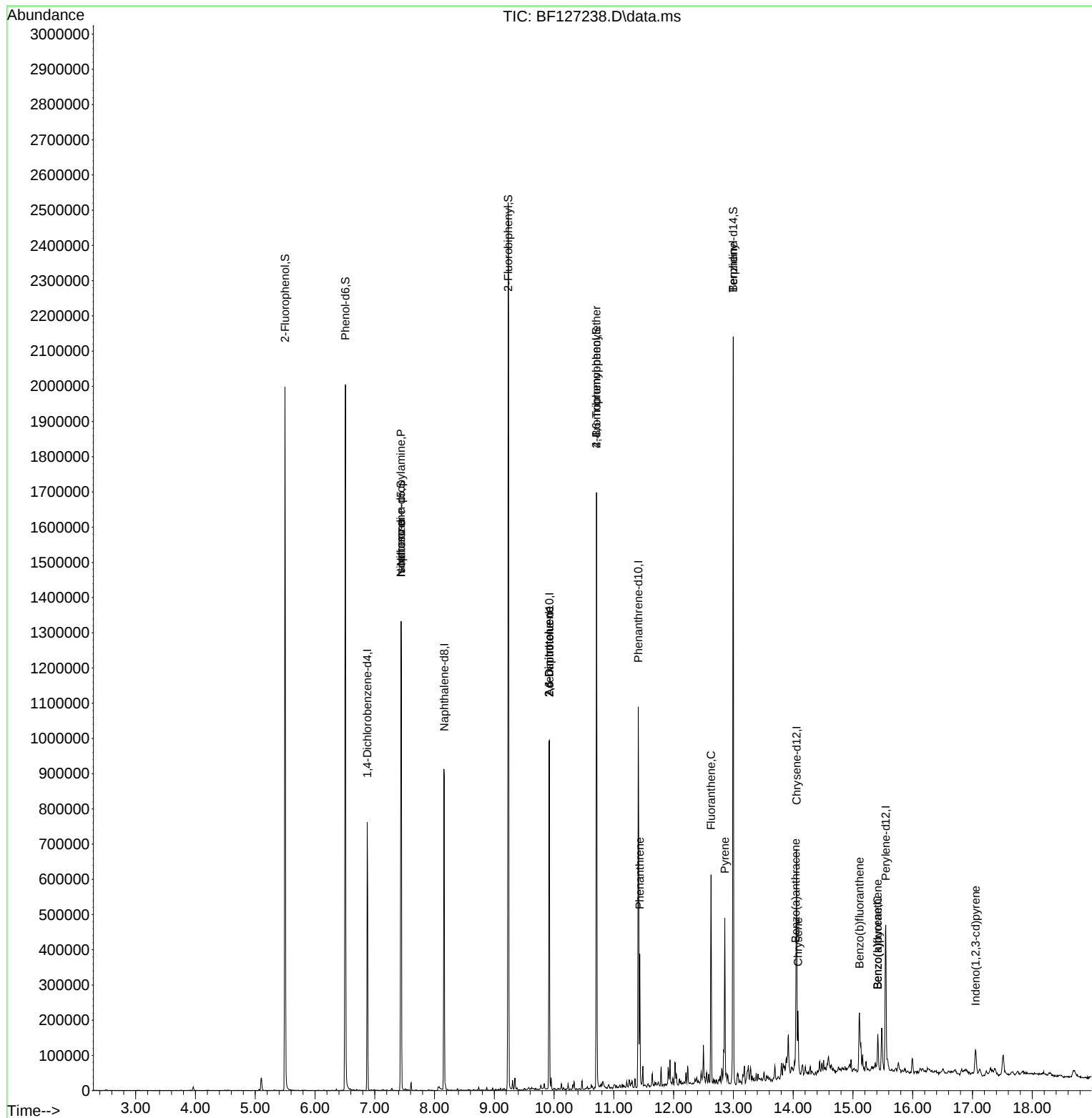
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	96639	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	397779	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	202816	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	346486	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	170646	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	178323	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	483515	77.330	ng	0.00
7) Phenol-d6	6.510	99	638520	75.681	ng	0.00
23) Nitrobenzene-d5	7.440	82	446578	50.675	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	189537	81.167	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	726718	52.749	ng	0.00
79) Terphenyl-d14	12.998	244	655292	56.450	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	59553	10.954	ng	# 78
25) Isophorone	7.440	82	445056	30.520	ng	# 69
51) 2,6-Dinitrotoluene	9.916	165	26094	8.847	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	26094	6.543	ng	# 15
67) 4-Bromophenyl-phenylether	10.710	248	11250	2.906	ng	# 1
71) Phenanthrene	11.433	178	112082	5.779	ng	97
75) Fluoranthene	12.627	202	199673	10.843	ng	95
77) Benzidine	12.998	184	9638	2.078	ng	# 96
78) Pyrene	12.857	202	159417	10.753	ng	98
81) Benzo(a)anthracene	14.045	228	61091	5.310	ng	96
83) Chrysene	14.080	228	63035	5.827	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	43715	3.739	ng	# 83
88) Benzo(b)fluoranthene	15.110	252	115145	9.614	ng	# 92
89) Benzo(k)fluoranthene	15.415	252	33360	2.888	ng	98
90) Benzo(a)pyrene	15.415	252	41425	4.428	ng	97

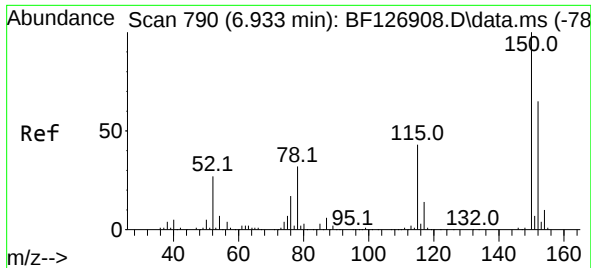
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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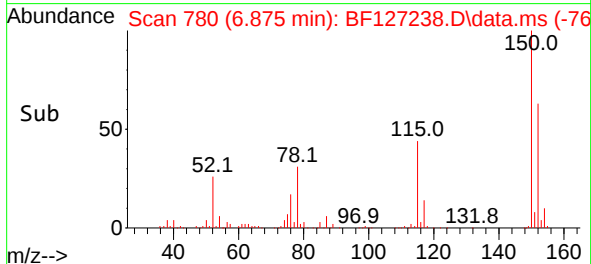
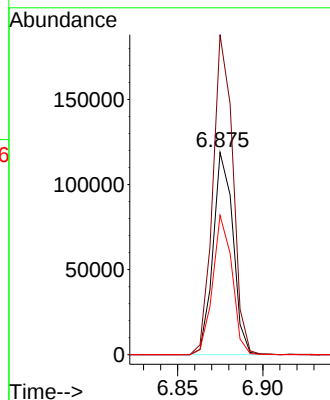
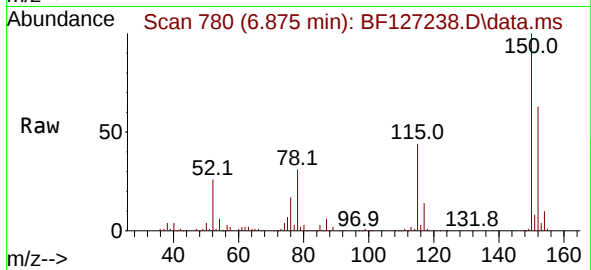




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

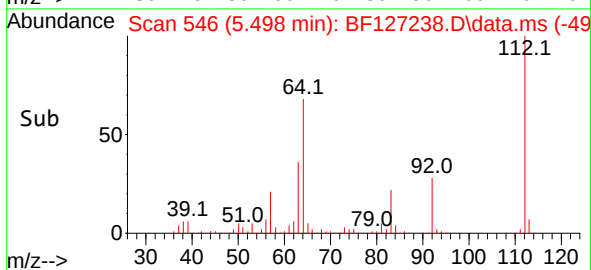
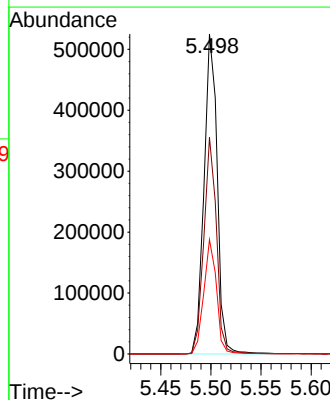
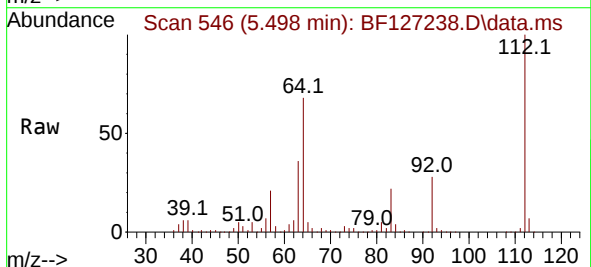
Instrument :
BNA_F
ClientSampleId :
DUM-18

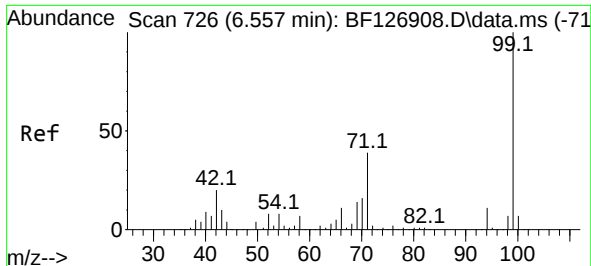
Tgt Ion:152 Resp: 96639
Ion Ratio Lower Upper
152 100
150 158.2 128.1 192.1
115 68.9 56.7 85.1



#5
2-Fluorophenol
Concen: 77.330 ng
RT: 5.498 min Scan# 546
Delta R.T. -0.000 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

Tgt Ion:112 Resp: 483515
Ion Ratio Lower Upper
112 100
64 67.7 49.5 74.3
63 35.7 23.9 35.9

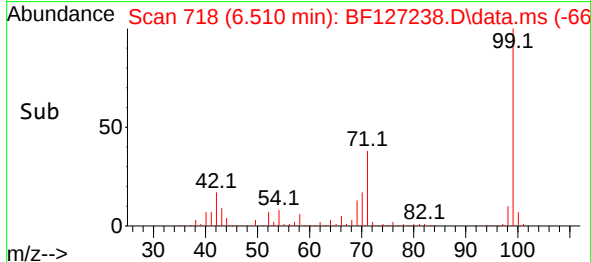
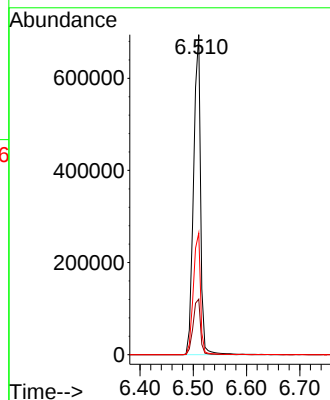
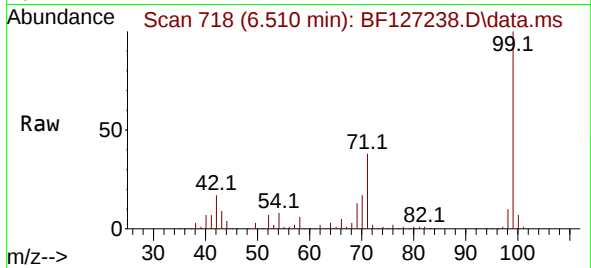




#7
Phenol-d6
Concen: 75.681 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

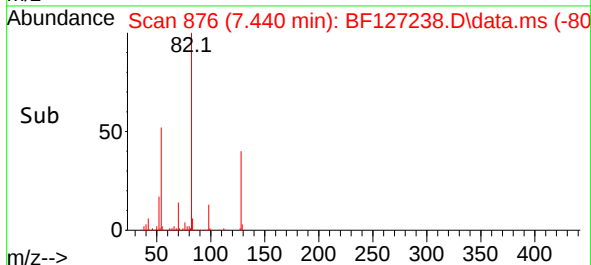
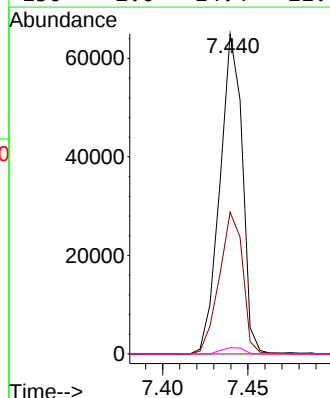
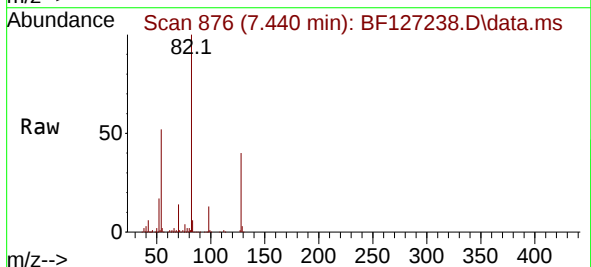
Instrument :
BNA_F
ClientSampleId :
DUM-18

Tgt Ion: 99 Resp: 638520
Ion Ratio Lower Upper
99 100
42 17.3 14.2 21.4
71 38.0 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 10.954 ng
RT: 7.440 min Scan# 876
Delta R.T. 0.147 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

Tgt Ion: 70 Resp: 59553
Ion Ratio Lower Upper
70 100
42 44.3 45.8 68.8#
101 0.0 6.9 10.3#
130 2.0 14.4 21.6#

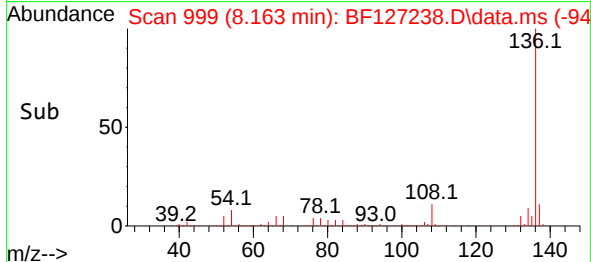
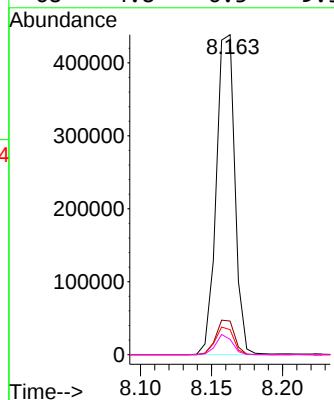
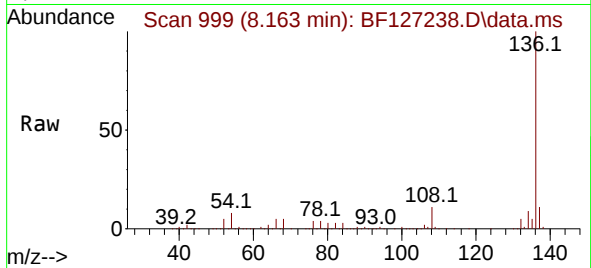




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

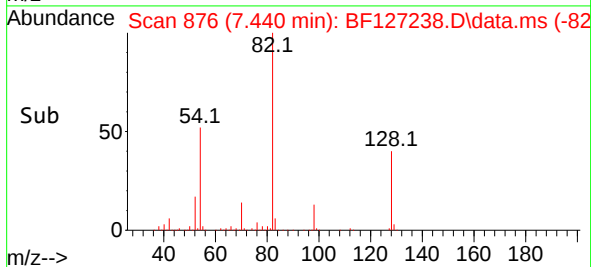
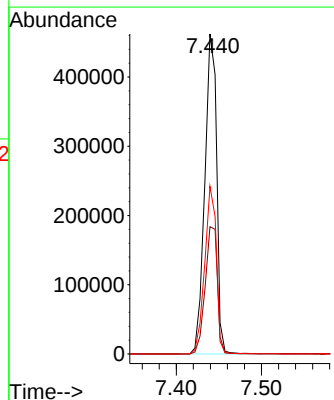
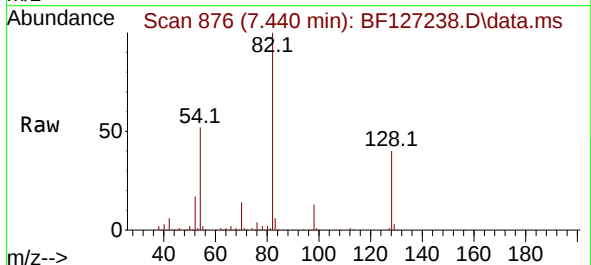
Instrument :
BNA_F
ClientSampleId :
DUM-18

Tgt Ion:136 Resp: 397779
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 7.8 7.8 11.6
68 4.8 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 50.675 ng
RT: 7.440 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

Tgt Ion: 82 Resp: 446578
Ion Ratio Lower Upper
82 100
128 39.8 32.7 49.1
54 52.4 41.7 62.5

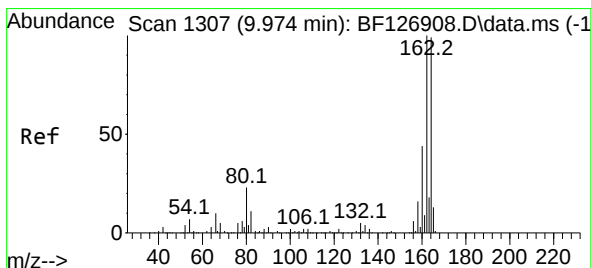
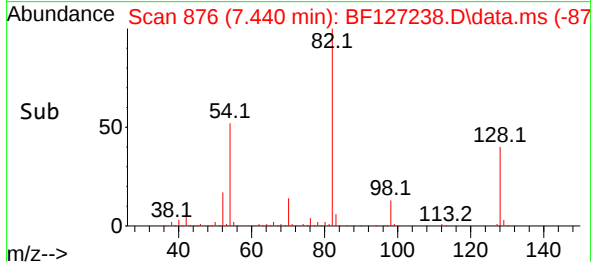
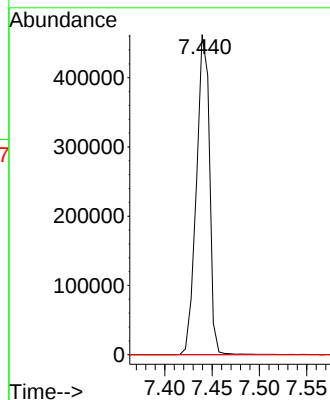
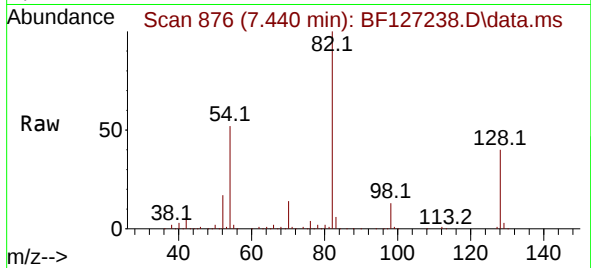




#25
Isophorone
Concen: 30.520 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

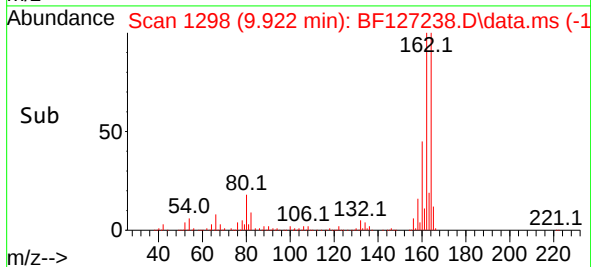
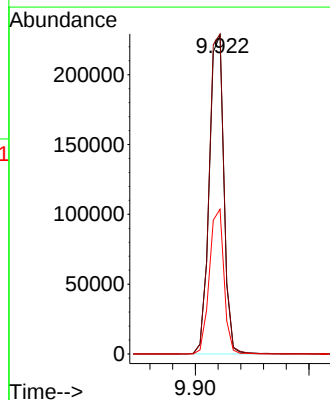
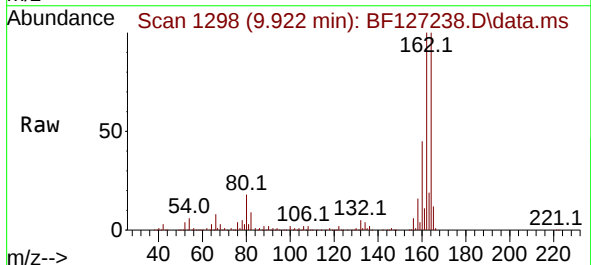
Instrument :
BNA_F
ClientSampleId :
DUM-18

Tgt Ion: 82 Resp: 445056
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: BF127238.D
Acq: 07 Mar 2022 23:52

Tgt Ion:164 Resp: 202816
Ion Ratio Lower Upper
164 100
162 100.4 81.4 122.0
160 45.4 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 81.167 ng

RT: 10.710 min Scan# 1442

Delta R.T. -0.006 min

Lab File: BF127238.D

Acq: 07 Mar 2022 23:52

Instrument :

BNA_F

ClientSampleId :

DUM-18

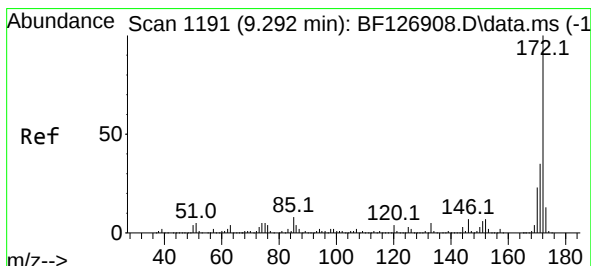
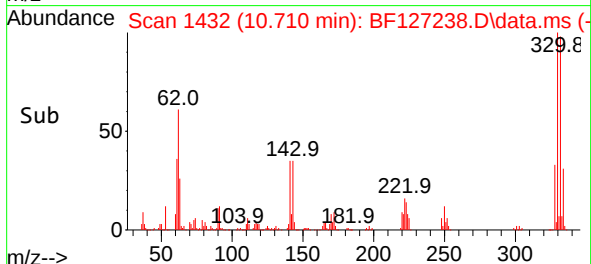
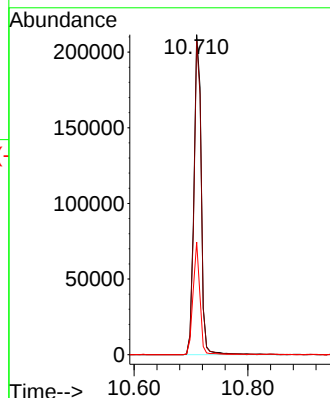
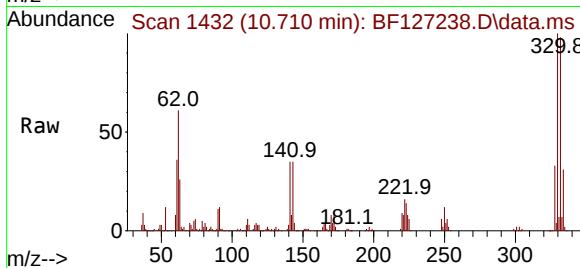
Tgt Ion:330 Resp: 189537

Ion Ratio Lower Upper

330 100

332 96.7 76.0 114.0

141 32.9 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 52.749 ng

RT: 9.234 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF127238.D

Acq: 07 Mar 2022 23:52

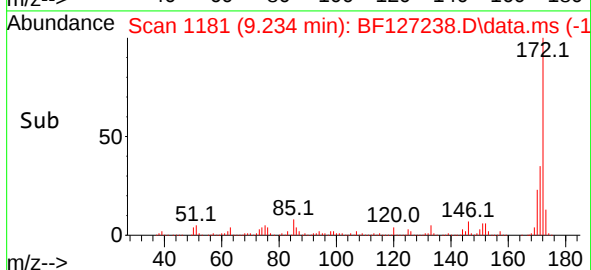
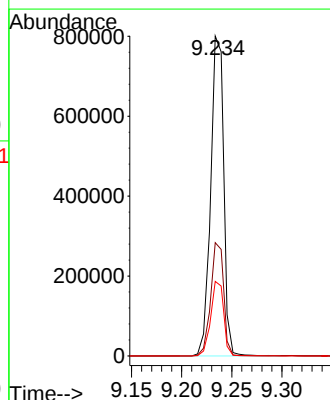
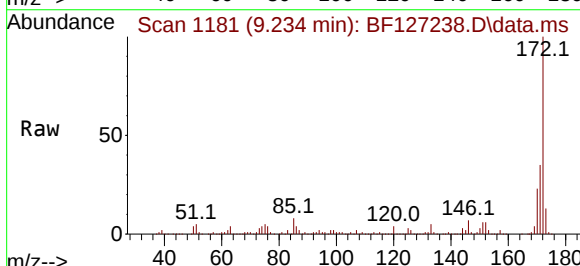
Tgt Ion:172 Resp: 726718

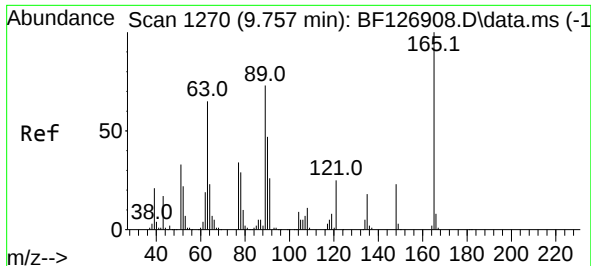
Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.3 19.0 28.6

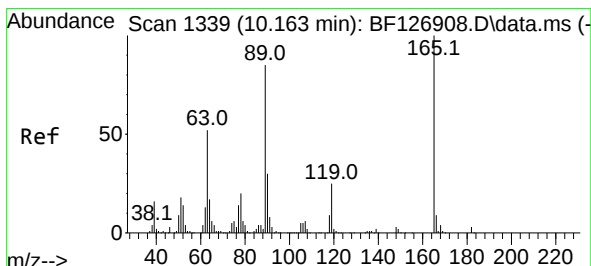
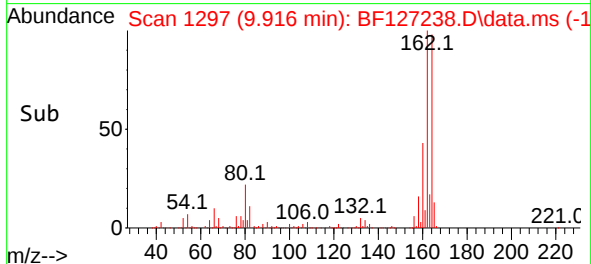
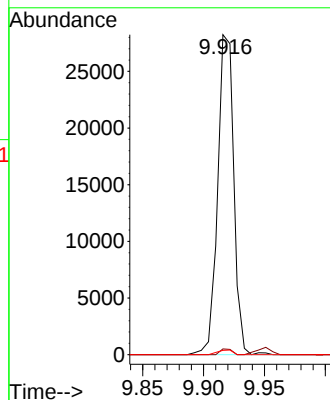
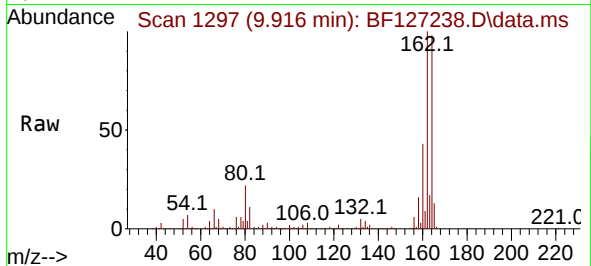




#51
2,6-Dinitrotoluene
Concen: 8.847 ng
RT: 9.916 min Scan# 1297
Delta R.T. 0.206 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

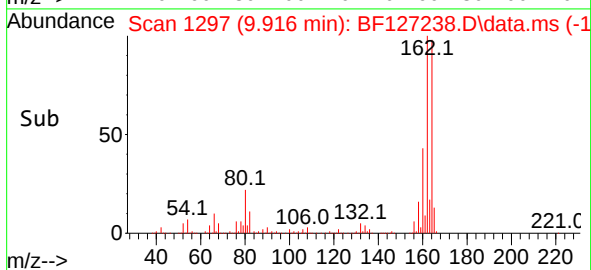
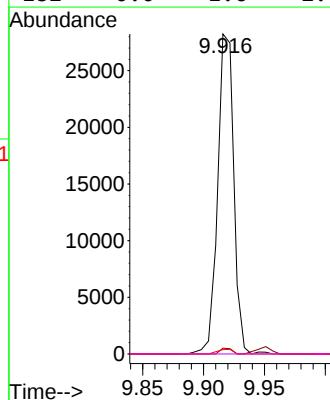
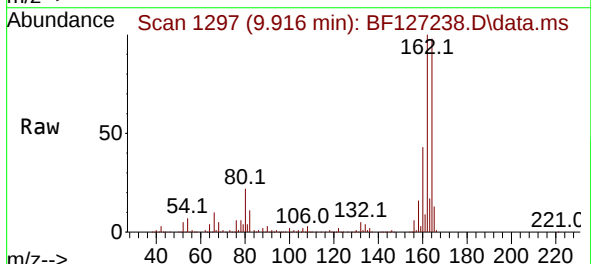
Instrument :
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Tgt Ion:165 Resp: 26094
Ion Ratio Lower Upper
165 100
63 1.8 48.4 72.6#
89 1.3 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 6.543 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.200 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

Tgt Ion:165 Resp: 26094
Ion Ratio Lower Upper
165 100
63 1.8 43.0 64.6#
89 1.3 71.0 106.4#
182 0.0 1.6 2.4#

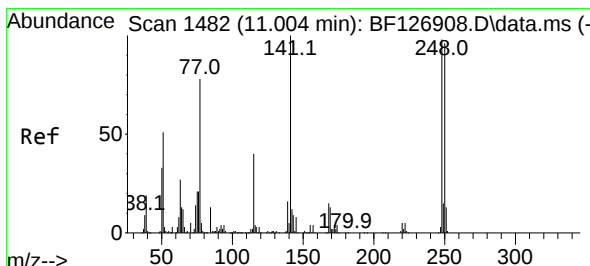
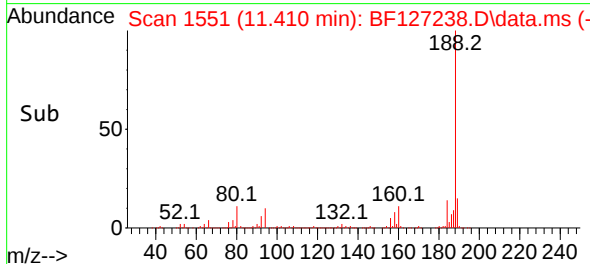
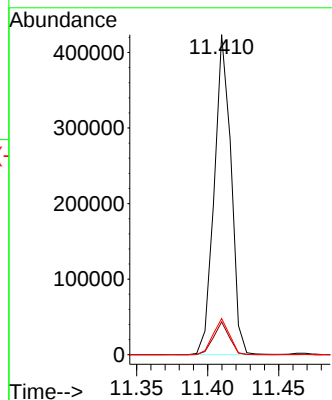
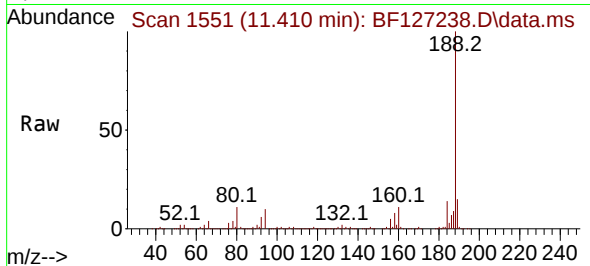




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

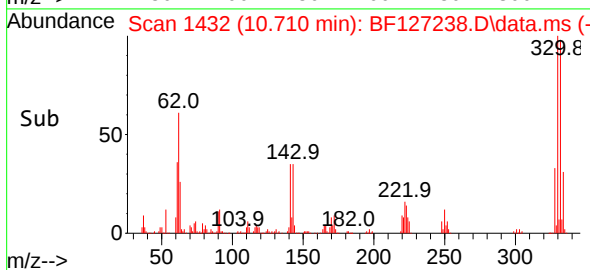
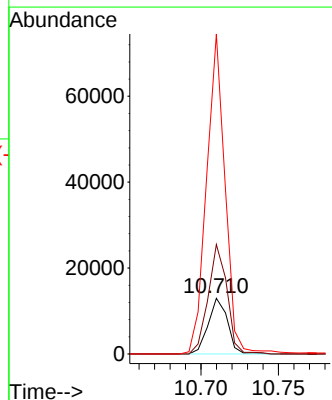
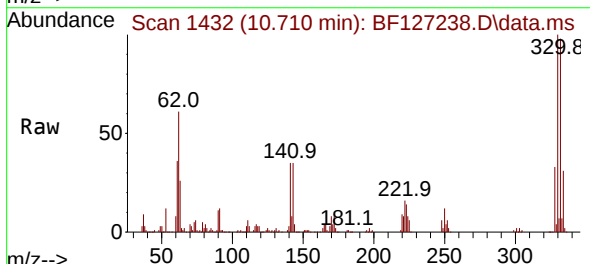
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BNA_F
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DUM-18

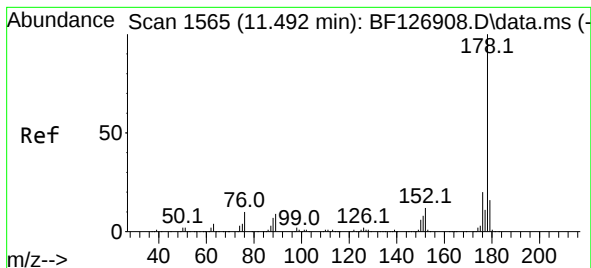
Tgt Ion:188 Resp: 346486
Ion Ratio Lower Upper
188 100
94 10.3 10.1 15.1
80 11.3 11.8 17.6#



#67
4-Bromophenyl-phenylether
Concen: 2.906 ng
RT: 10.710 min Scan# 1432
Delta R.T. -0.247 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

Tgt Ion:248 Resp: 11250
Ion Ratio Lower Upper
248 100
250 196.4 76.2 114.4#
141 574.0 66.2 99.4#





#71

Phenanthrene

Concen: 5.779 ng

RT: 11.433 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127238.D

Acq: 07 Mar 2022 23:52

Instrument :

BNA_F

ClientSampleId :

DUM-18

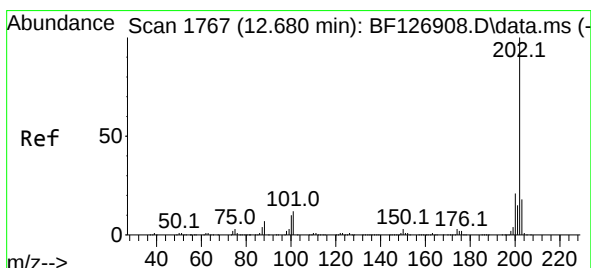
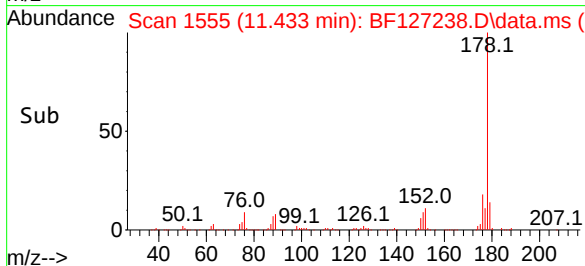
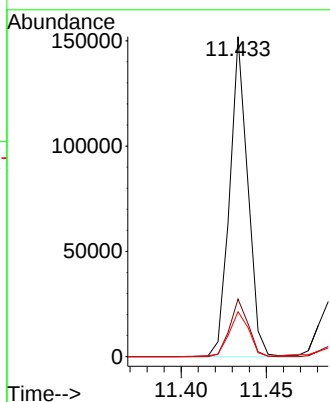
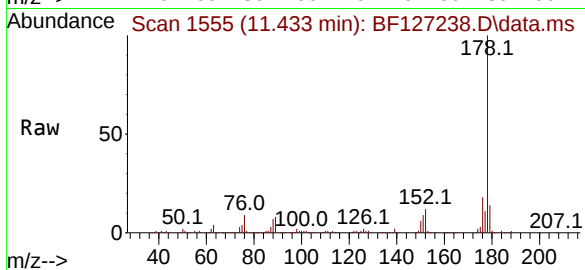
Tgt Ion:178 Resp: 112082

Ion Ratio Lower Upper

178 100

176 18.0 15.7 23.5

179 14.0 12.3 18.5



#75

Fluoranthene

Concen: 10.843 ng

RT: 12.627 min Scan# 1758

Delta R.T. -0.006 min

Lab File: BF127238.D

Acq: 07 Mar 2022 23:52

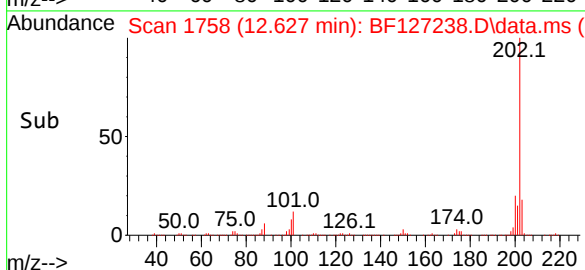
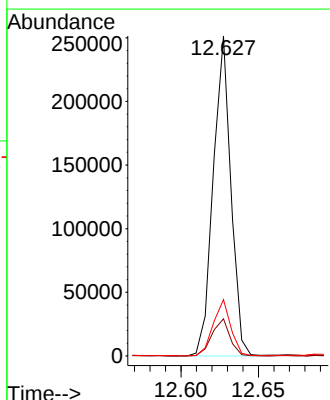
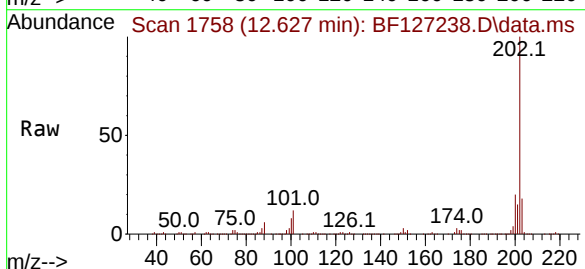
Tgt Ion:202 Resp: 199673

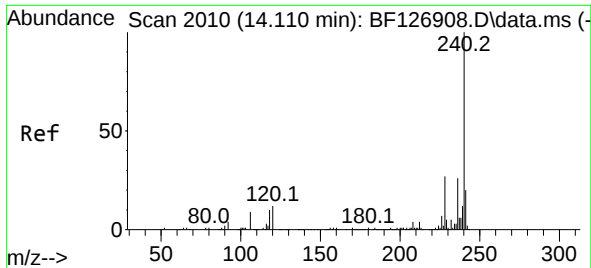
Ion Ratio Lower Upper

202 100

101 11.6 0.0 35.7

203 17.6 0.0 37.1

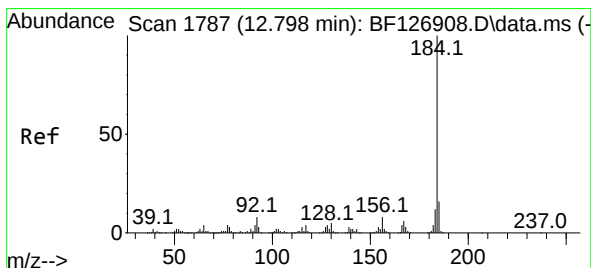
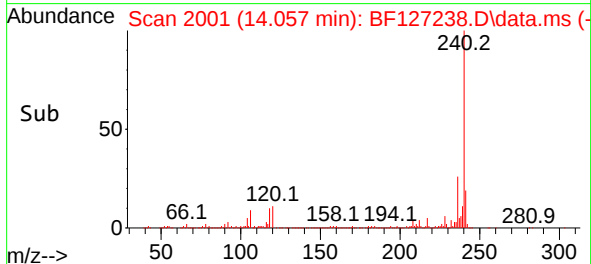
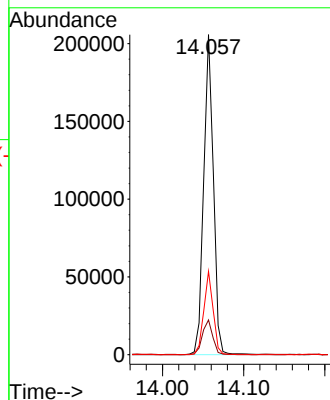
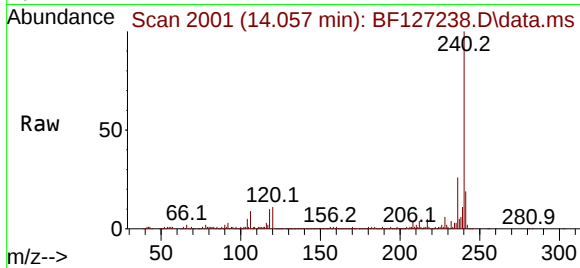




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

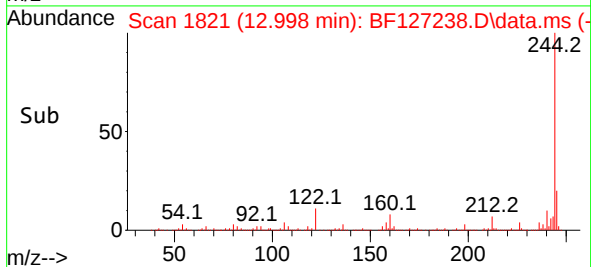
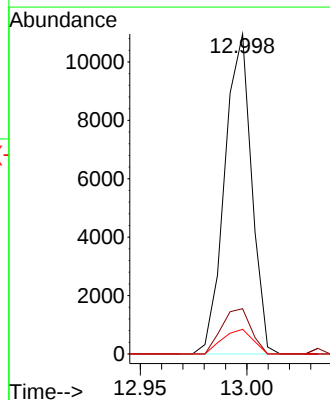
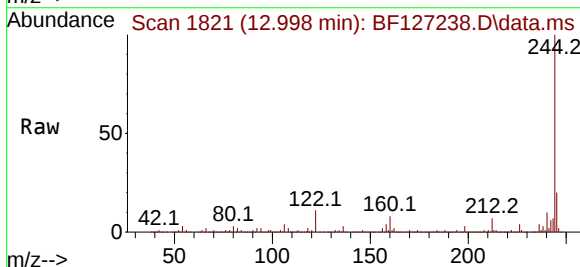
Instrument :
BNA_F
ClientSampleId :
DUM-18

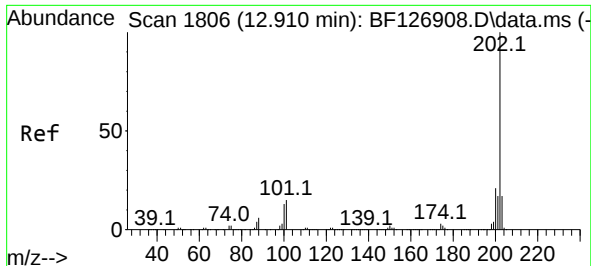
Tgt Ion:240 Resp: 170646
Ion Ratio Lower Upper
240 100
120 10.9 14.4 21.6#
236 26.0 20.5 30.7



#77
Benzidine
Concen: 2.078 ng
RT: 12.998 min Scan# 1821
Delta R.T. 0.247 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

Tgt Ion:184 Resp: 9638
Ion Ratio Lower Upper
184 100
185 14.2 11.8 17.8
183 7.7 8.2 12.2#

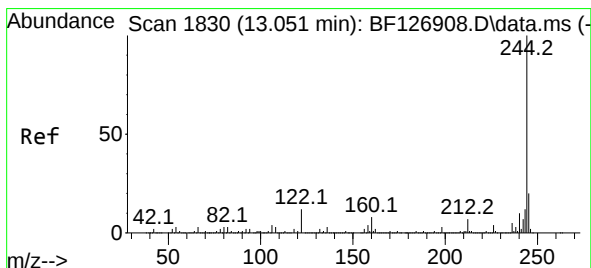
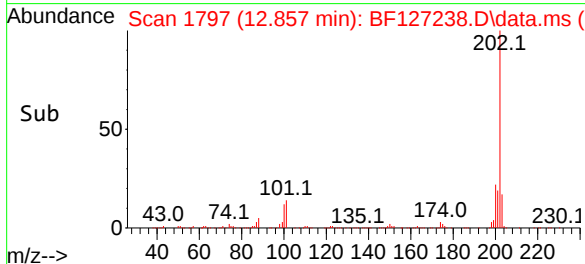
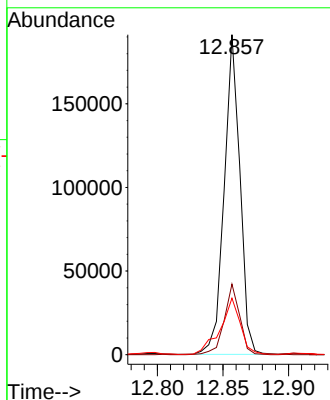
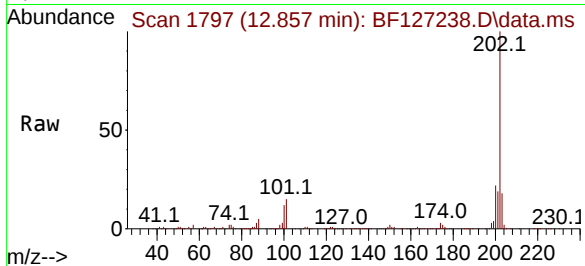




#78
Pyrene
Concen: 10.753 ng
RT: 12.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

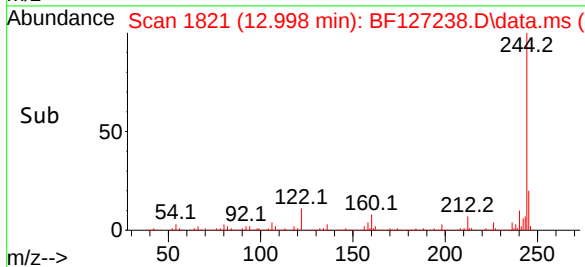
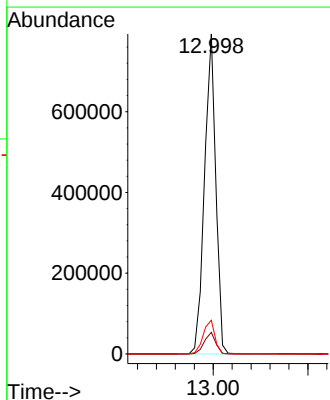
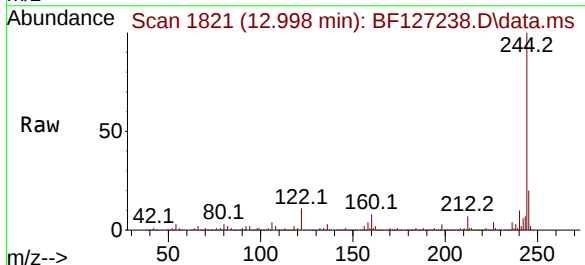
Instrument :
BNA_F
ClientSampleId :
DUM-18

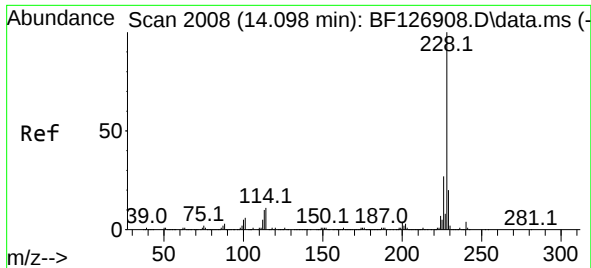
Tgt Ion:202 Resp: 159417
Ion Ratio Lower Upper
202 100
200 22.0 16.6 24.8
203 17.6 13.8 20.8



#79
Terphenyl-d14
Concen: 56.450 ng
RT: 12.998 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

Tgt Ion:244 Resp: 655292
Ion Ratio Lower Upper
244 100
212 6.8 5.0 7.4
122 10.5 13.3 19.9#

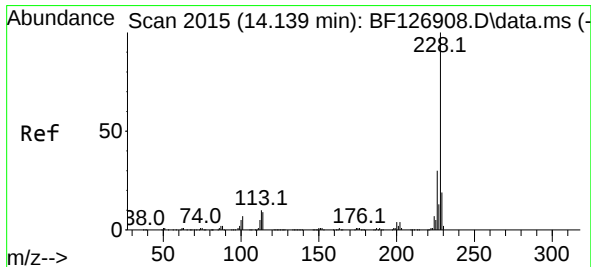
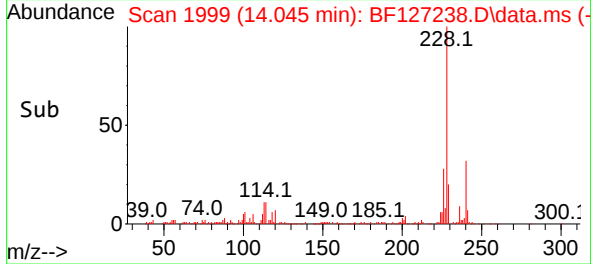
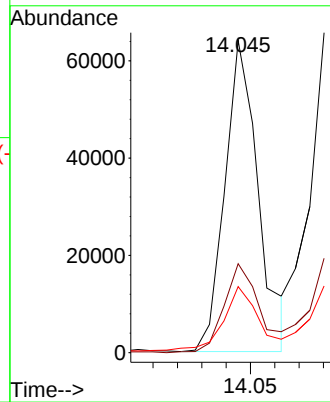
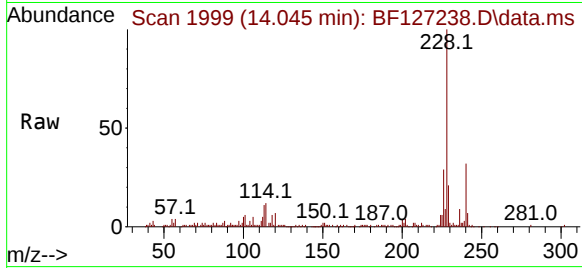




#81
Benzo(a)anthracene
Concen: 5.310 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

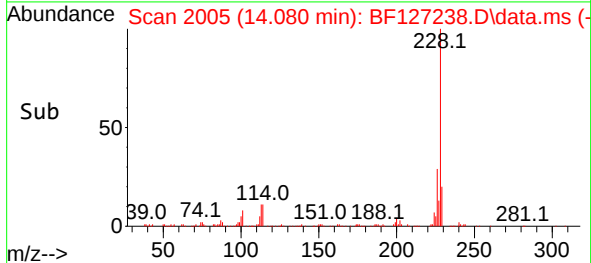
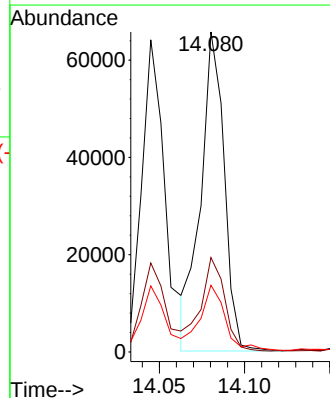
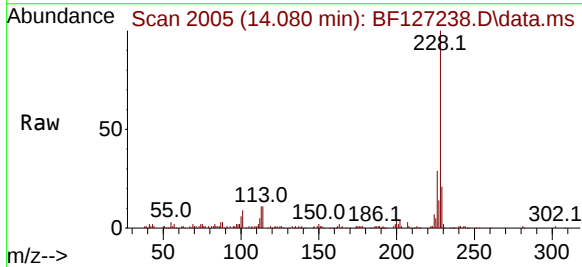
Instrument :
BNA_F
ClientSampleId :
DUM-18

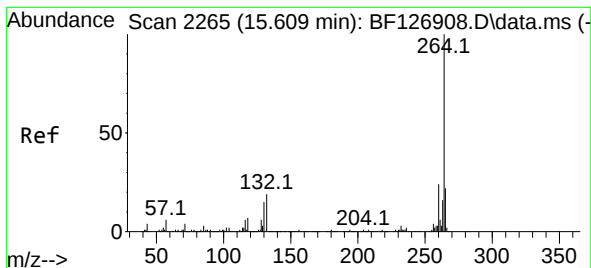
Tgt Ion:228 Resp: 61091
Ion Ratio Lower Upper
228 100
226 28.5 21.4 32.0
229 21.2 15.4 23.2



#83
Chrysene
Concen: 5.827 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF127238.D
Acq: 07 Mar 2022 23:52

Tgt Ion:228 Resp: 63035
Ion Ratio Lower Upper
228 100
226 29.5 23.7 35.5
229 20.8 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127238.D

Acq: 07 Mar 2022 23:52

Instrument :

BNA_F

ClientSampleId :

DUM-18

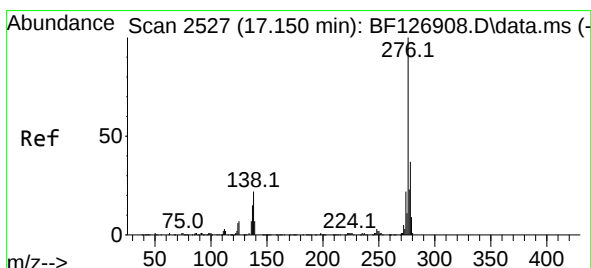
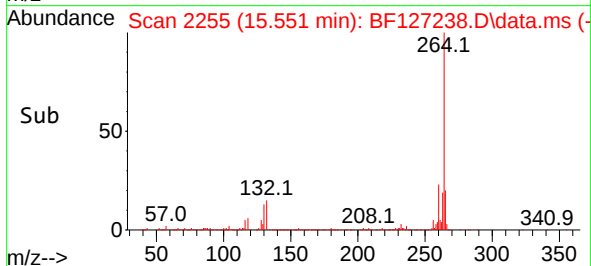
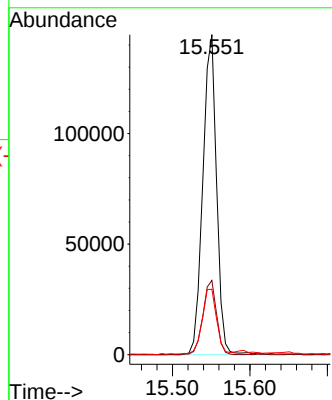
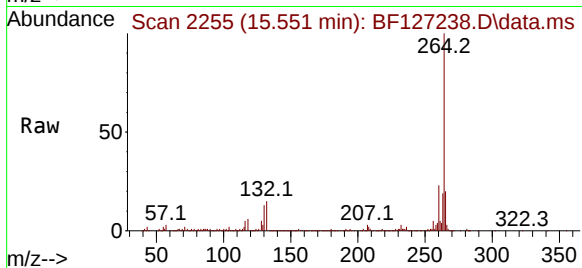
Tgt Ion:264 Resp: 178323

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 20.4 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.739 ng

RT: 17.051 min Scan# 2510

Delta R.T. -0.006 min

Lab File: BF127238.D

Acq: 07 Mar 2022 23:52

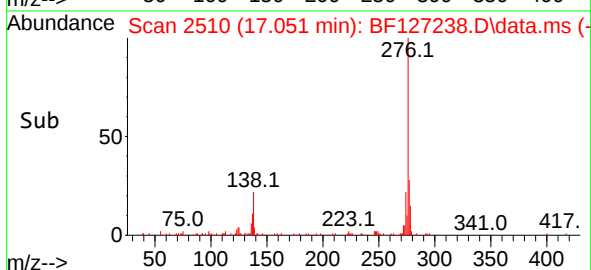
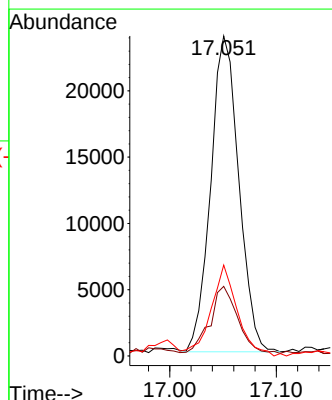
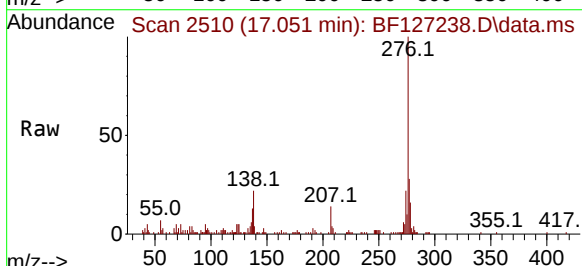
Tgt Ion:276 Resp: 43715

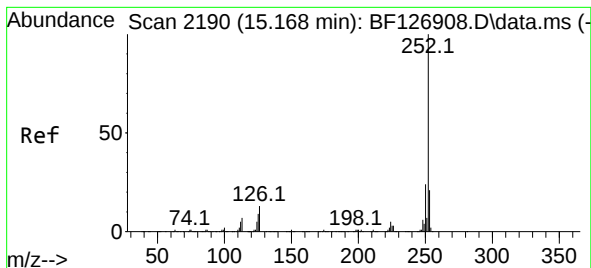
Ion Ratio Lower Upper

276 100

138 21.9 29.2 43.8#

277 27.2 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 9.614 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF127238.D

Acq: 07 Mar 2022 23:52

Instrument :

BNA_F

ClientSampleId :

DUM-18

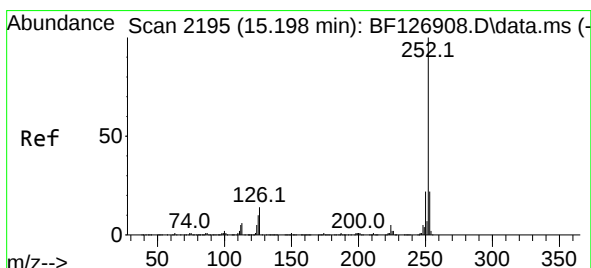
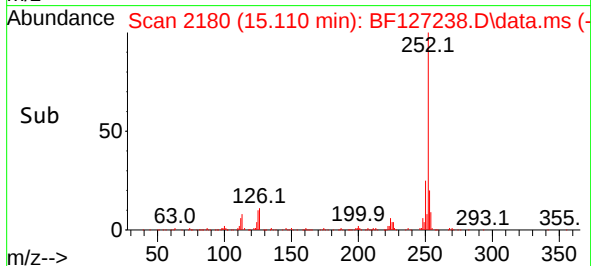
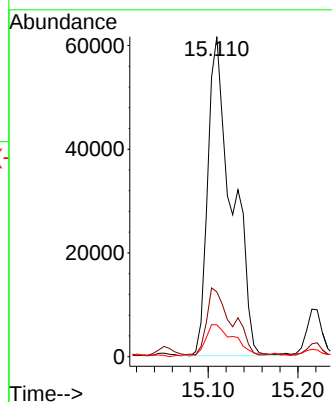
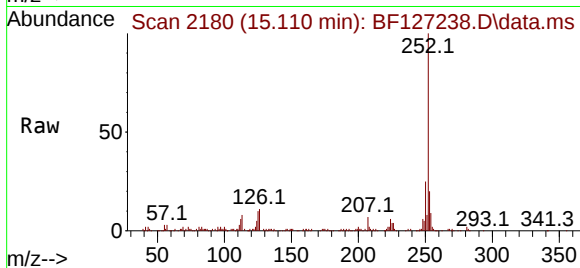
Tgt Ion:252 Resp: 115145

Ion Ratio Lower Upper

252 100

253 20.3 17.8 26.8

125 10.0 12.4 18.6#



#89

Benzo(k)fluoranthene

Concen: 2.888 ng

RT: 15.415 min Scan# 2232

Delta R.T. 0.276 min

Lab File: BF127238.D

Acq: 07 Mar 2022 23:52

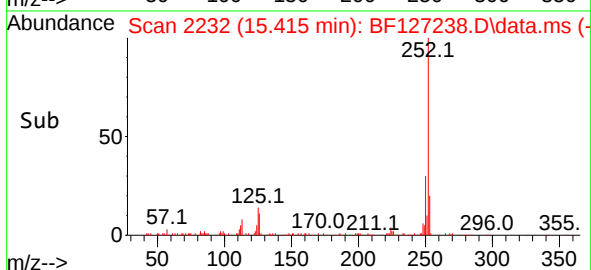
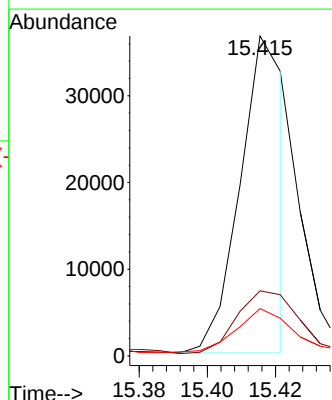
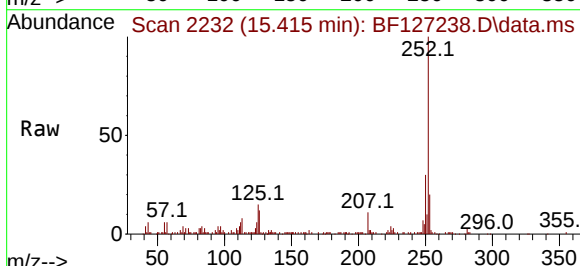
Tgt Ion:252 Resp: 33360

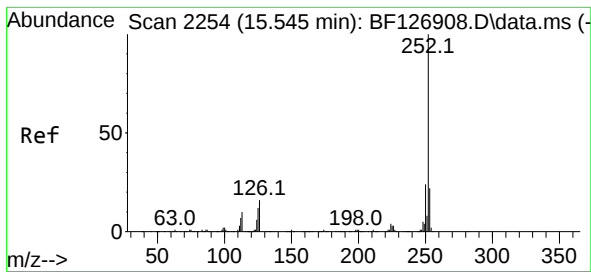
Ion Ratio Lower Upper

252 100

253 20.4 17.5 26.3

125 14.8 11.8 17.6





#90
 Benzo(a)pyrene
 Concen: 4.428 ng
 RT: 15.415 min Scan# 21
 Delta R.T. -0.071 min
 Lab File: BF127238.D
 Acq: 07 Mar 2022 23:52

Instrument :
 BNA_F
 ClientSampleId :
 DUM-18

Tgt Ion:252 Resp: 41425
 Ion Ratio Lower Upper
 252 100
 253 20.4 17.1 25.7
 125 14.8 13.0 19.6

