

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
 Data File : BF128008.D
 Acq On : 29 Apr 2022 21:32
 Operator : CG\JU
 Sample : N2605-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042822

Quant Time: May 02 00:58:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	116414	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	427066	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	203438	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	317912	20.000	ng	0.00
76) Chrysene-d12	14.127	240	184986	20.000	ng	# 0.01
86) Perylene-d12	15.633	264	158046	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	294737	40.326	ng	-0.01
7) Phenol-d6	6.545	99	373353	39.368	ng	-0.02
23) Nitrobenzene-d5	7.486	82	251109	27.650	ng	-0.02
42) 2,4,6-Tribromophenol	10.763	330	70461	34.406	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	413086	34.351	ng	-0.01
79) Terphenyl-d14	13.057	244	351002	34.696	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.486	70	34658	5.970	ng	# 79
25) Isophorone	7.486	82	249432	16.318	ng	# 68
38) 1-Methylnaphthalene	9.022	142	47683	3.413	ng	99
49) Acenaphthylene	9.827	152	47363	2.699	ng	# 81
51) 2,6-Dinitrotoluene	9.969	165	35709	12.088	ng	# 23
52) Acenaphthene	10.004	154	340450	28.857	ng	99
55) Dibenzofuran	10.175	168	401480	23.587	ng	98
56) 4-Nitrophenol	10.069	139	10046	4.011	ng	# 17
58) Fluorene	10.522	166	418746	32.969	ng	97
66) n-Nitrosodiphenylamine	10.627	169	54790	5.539	ng	98
71) Phenanthrene	11.498	178	2510614	150.867	ng	98
72) Anthracene	11.545	178	882403	53.230	ng	99
73) Carbazole	11.692	167	149285	9.344	ng	98
75) Fluoranthene	12.710	202	4599245	262.599	ng	97
78) Pyrene	12.945	202	4700864	314.797	ng	95
81) Benzo(a)anthracene	14.121	228	2311723	187.490	ng	95
83) Chrysene	14.121	228	2311723	196.316	ng	97
87) Indeno(1,2,3-cd)pyrene	17.186	276	478058	45.317	ng	# 93
88) Benzo(b)fluoranthene	15.198	252	1975111	198.970	ng	97
89) Benzo(k)fluoranthene	15.198	252	1975111	197.493	ng	96
90) Benzo(a)pyrene	15.580	252	967641	117.517	ng	97
91) Dibenzo(a,h)anthracene	17.192	278	121522	14.364	ng	96
92) Benzo(g,h,i)perylene	17.662	276	463433	51.977	ng	96

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

BNA F

BNA F

ClientSampleId :

TR-05-042822

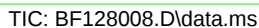
Quant Time: May 02 00:58:55 2022

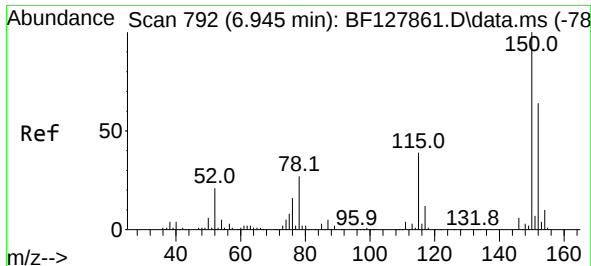
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Apr 28 05:13:03 2022

Response via : Initial Calibration

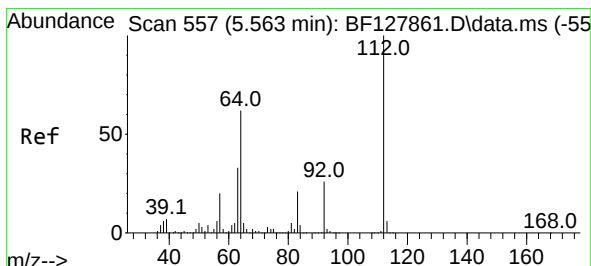
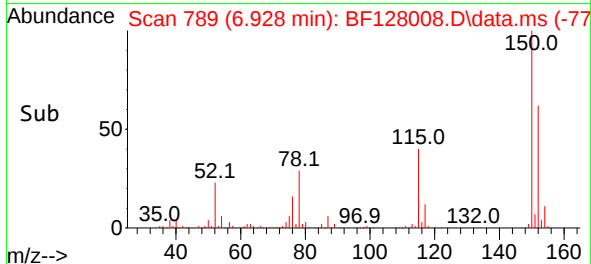
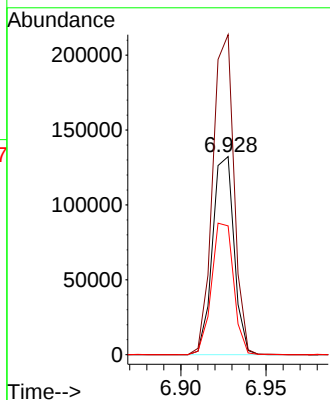
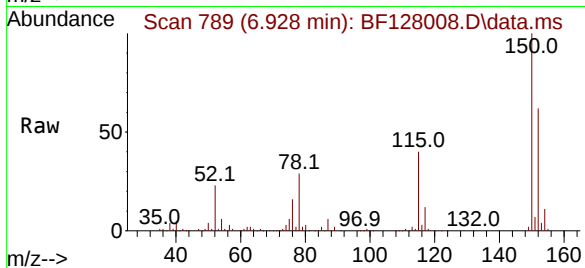




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF128008.D
 Acq: 29 Apr 2022 21:32

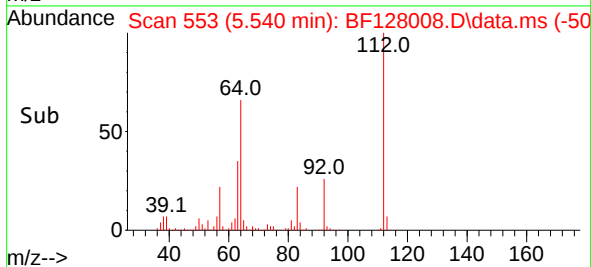
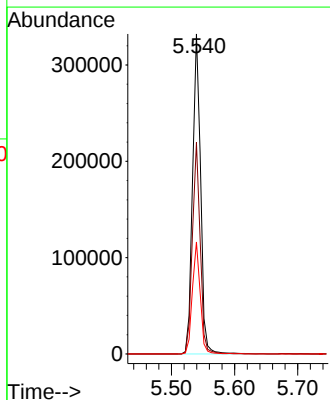
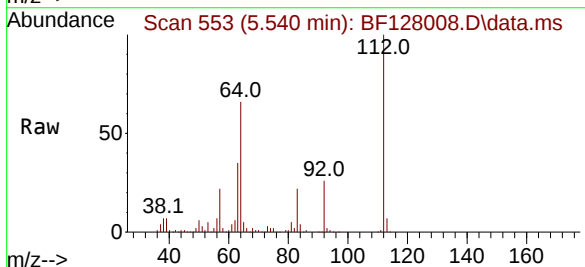
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042822

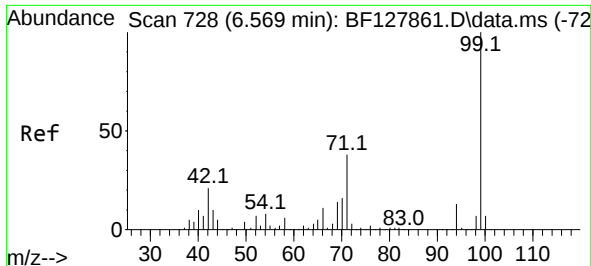
Tgt Ion:152 Resp: 116414
 Ion Ratio Lower Upper
 152 100
 150 161.5 125.3 187.9
 115 65.0 48.8 73.2



#5
 2-Fluorophenol
 Concen: 40.326 ng
 RT: 5.540 min Scan# 553
 Delta R.T. -0.012 min
 Lab File: BF128008.D
 Acq: 29 Apr 2022 21:32

Tgt Ion:112 Resp: 294737
 Ion Ratio Lower Upper
 112 100
 64 66.1 49.5 74.3
 63 35.0 26.3 39.5

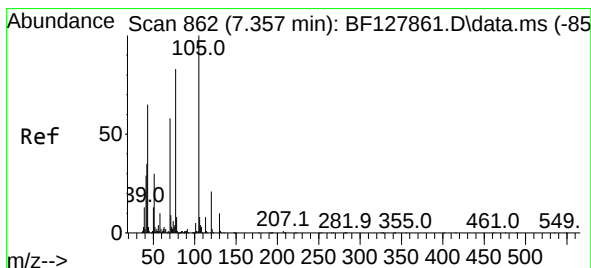
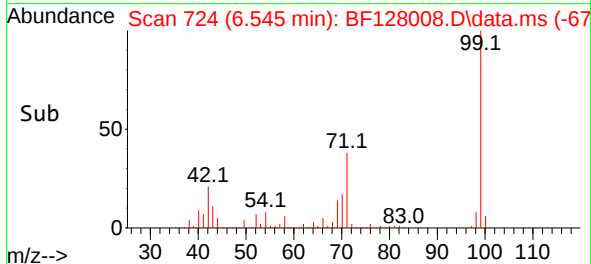
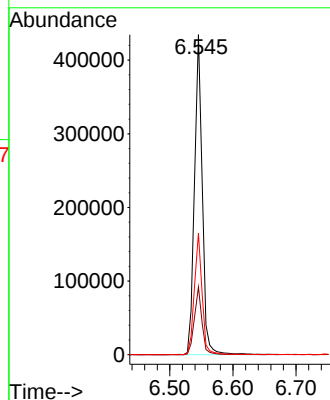
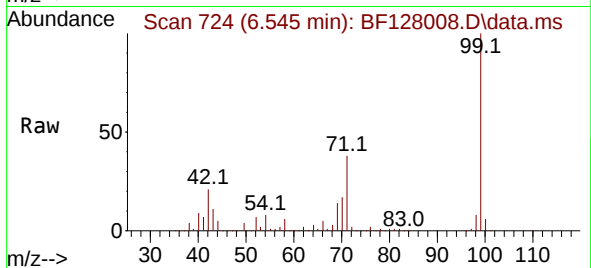




#7
Phenol-d6
Concen: 39.368 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

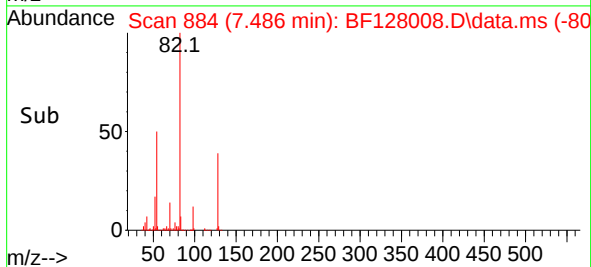
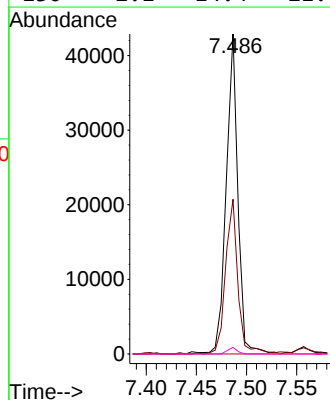
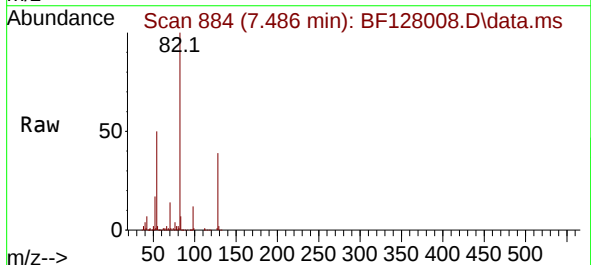
Instrument :
BNA_F
ClientSampleId :
TR-05-042822

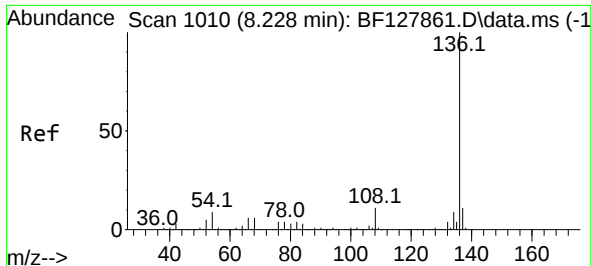
Tgt Ion: 99 Resp: 373353
Ion Ratio Lower Upper
99 100
42 21.1 16.6 24.8
71 37.9 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 5.970 ng
RT: 7.486 min Scan# 884
Delta R.T. 0.141 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Tgt Ion: 70 Resp: 34658
Ion Ratio Lower Upper
70 100
42 48.4 48.7 73.1#
101 0.0 7.2 10.8#
130 2.1 14.4 21.6#



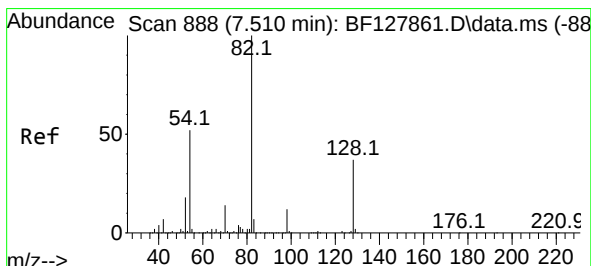
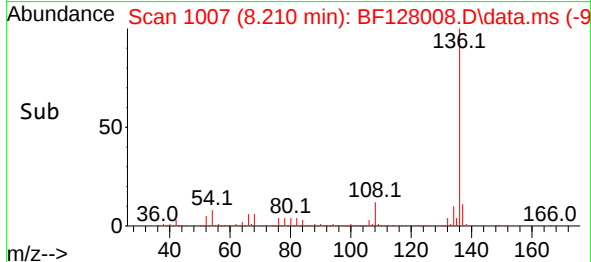
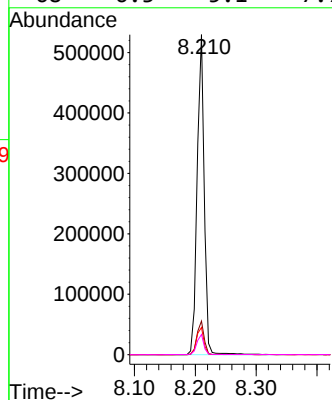
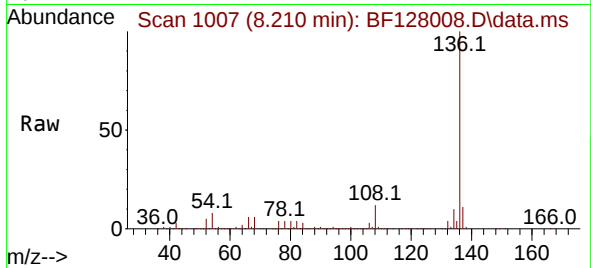


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Instrument :
BNA_F
ClientSampleId :
TR-05-042822

Tgt Ion:136 Resp: 427066

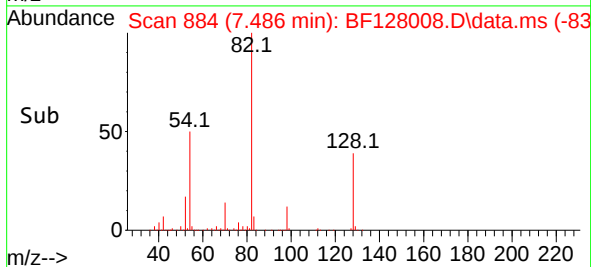
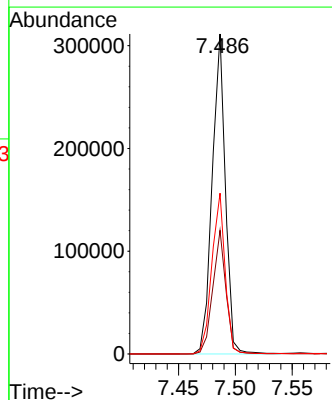
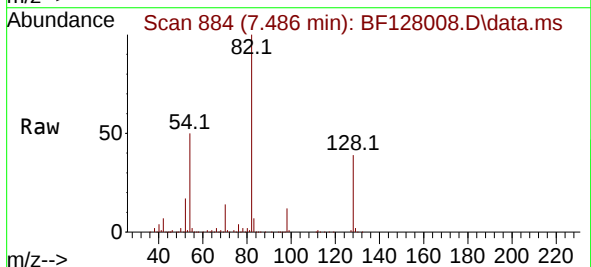
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.5	6.8	10.2
68	6.3	5.1	7.7

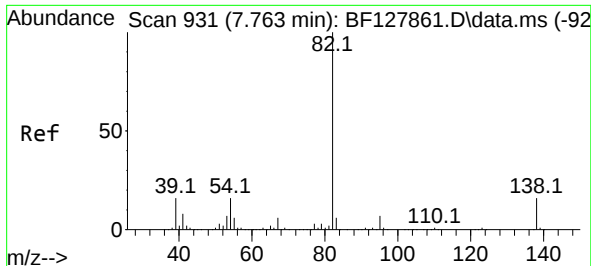


#23
Nitrobenzene-d5
Concen: 27.650 ng
RT: 7.486 min Scan# 884
Delta R.T. -0.018 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Tgt Ion: 82 Resp: 251109

Ion	Ratio	Lower	Upper
82	100		
128	38.7	30.0	45.0
54	50.3	41.3	61.9

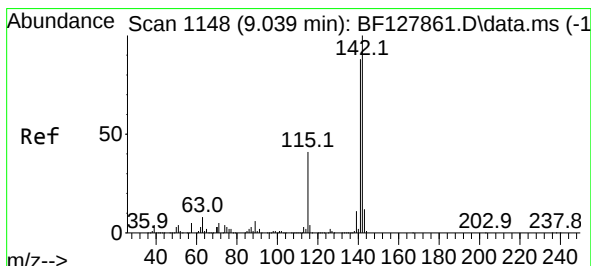
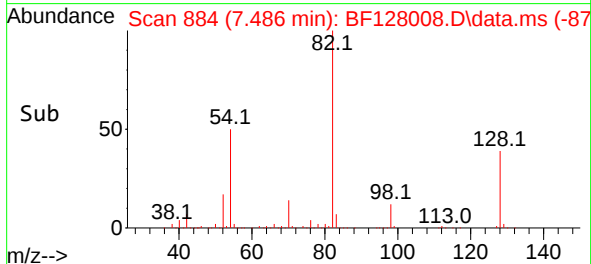
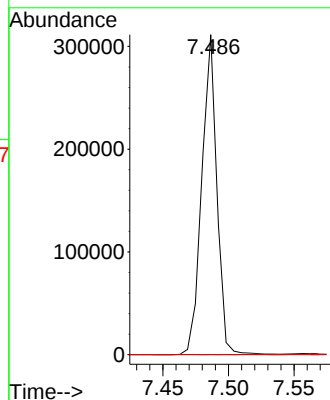
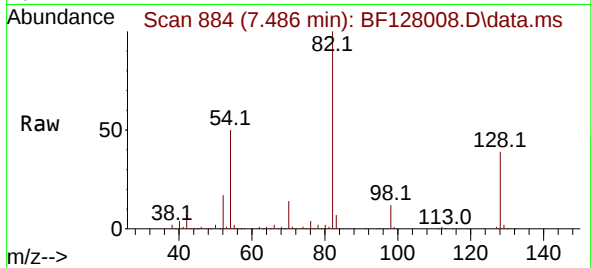




#25
Isophorone
Concen: 16.318 ng
RT: 7.486 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

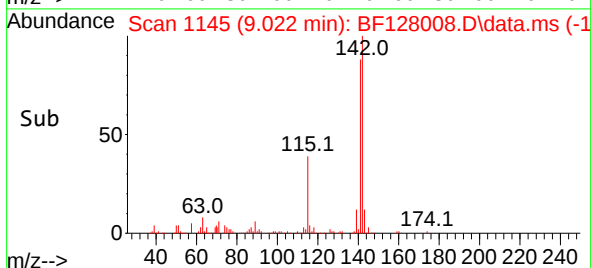
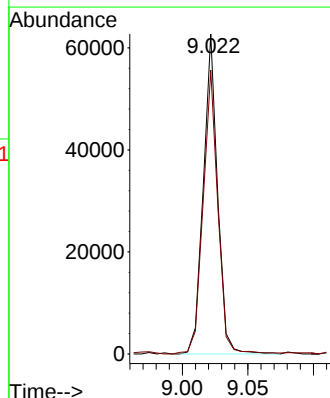
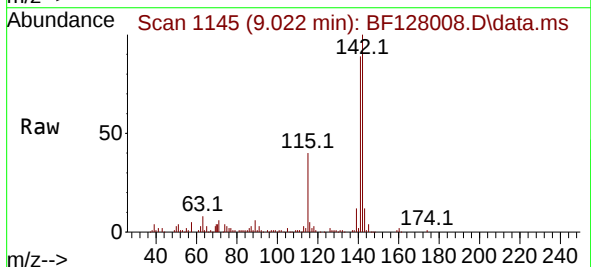
Instrument :
BNA_F
ClientSampleId :
TR-05-042822

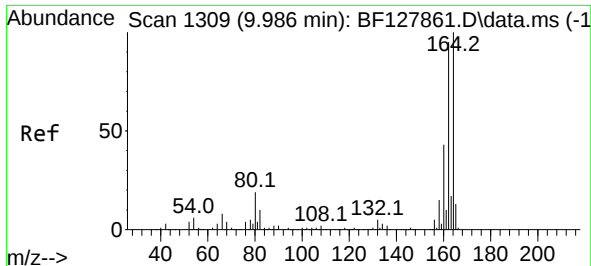
Tgt Ion: 82 Resp: 249432
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 12.5 18.7#



#38
1-Methylnaphthalene
Concen: 3.413 ng
RT: 9.022 min Scan# 1145
Delta R.T. -0.012 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Tgt Ion:142 Resp: 47683
Ion Ratio Lower Upper
142 100
141 88.7 70.1 105.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042822

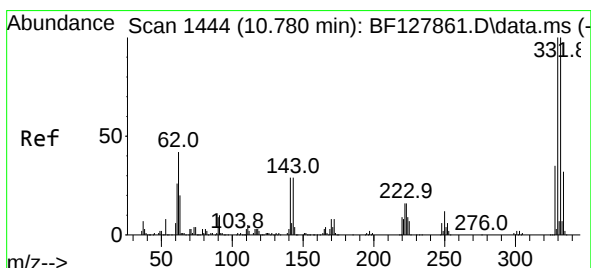
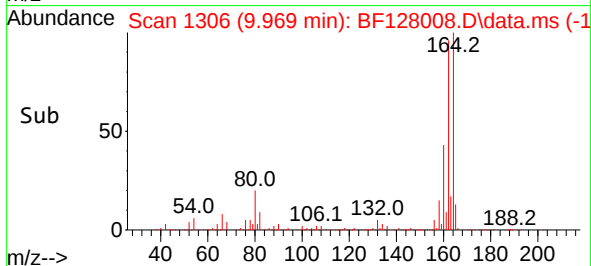
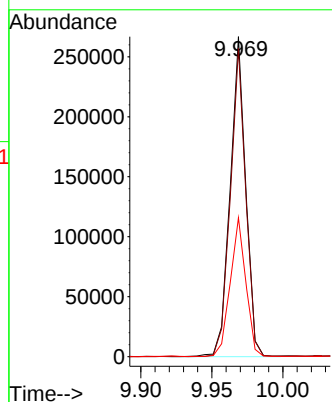
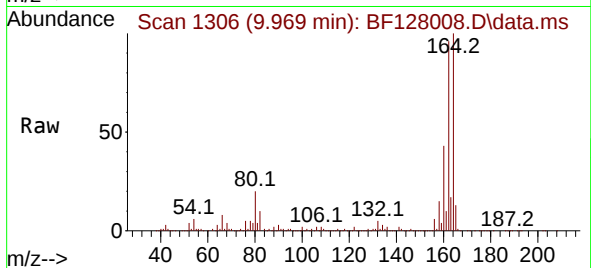
Tgt Ion:164 Resp: 203438

Ion Ratio Lower Upper

164 100

162 96.3 76.0 114.0

160 43.4 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 34.406 ng

RT: 10.763 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

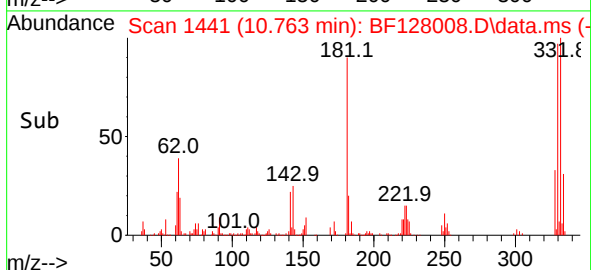
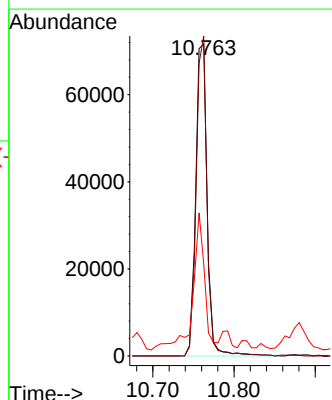
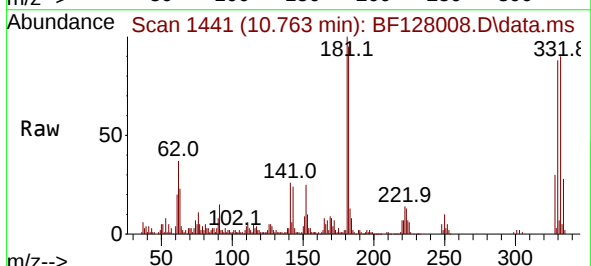
Tgt Ion:330 Resp: 70461

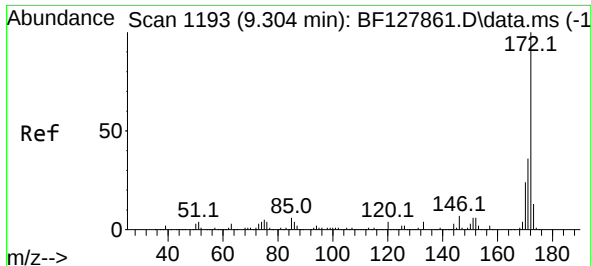
Ion Ratio Lower Upper

330 100

332 97.0 79.0 118.4

141 45.9 28.9 43.3#





#45

2-Fluorobiphenyl

Concen: 34.351 ng

RT: 9.280 min Scan# 1189

Delta R.T. -0.012 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042822

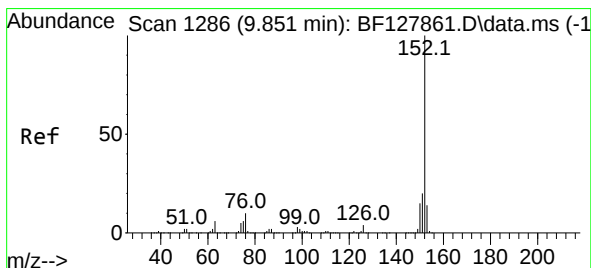
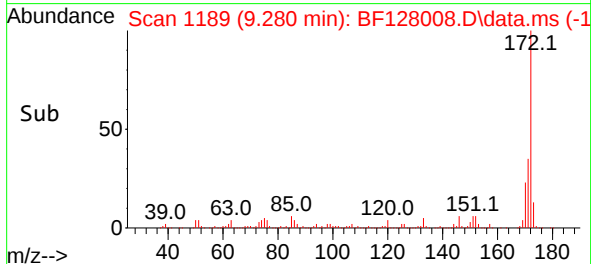
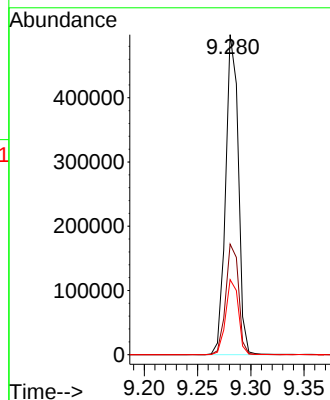
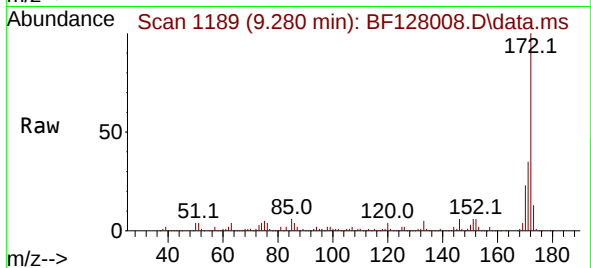
Tgt Ion:172 Resp: 413086

Ion Ratio Lower Upper

172 100

171 34.5 28.6 42.8

170 23.5 19.1 28.7



#49

Acenaphthylene

Concen: 2.699 ng

RT: 9.827 min Scan# 1282

Delta R.T. -0.012 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

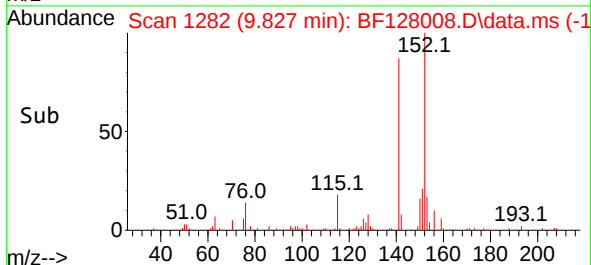
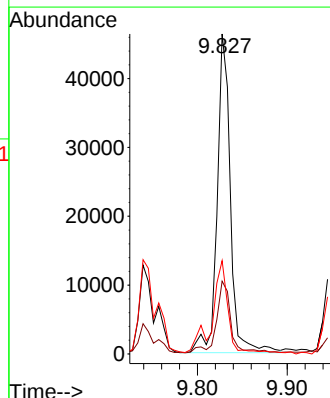
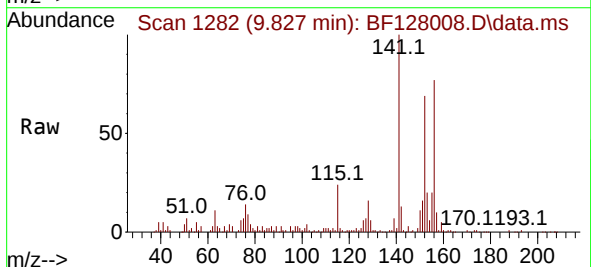
Tgt Ion:152 Resp: 47363

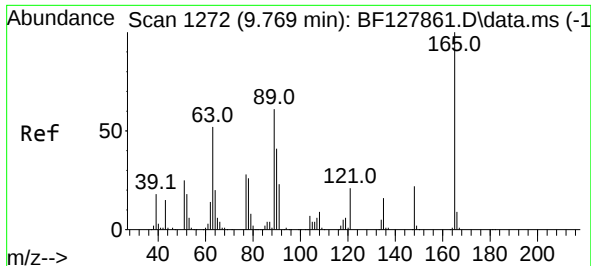
Ion Ratio Lower Upper

152 100

151 22.7 16.2 24.2

153 29.2 11.2 16.8#

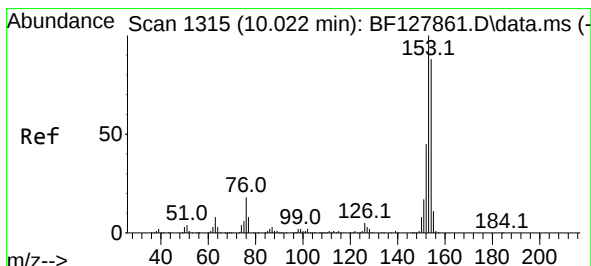
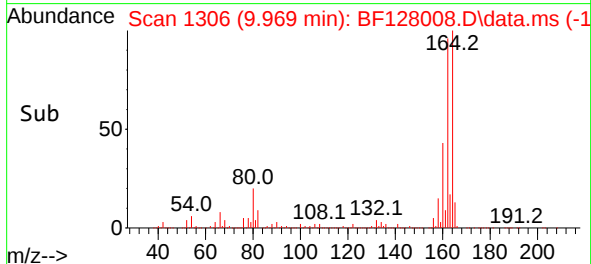
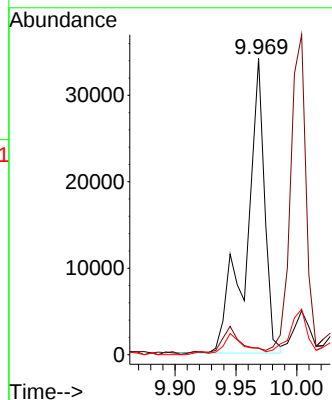
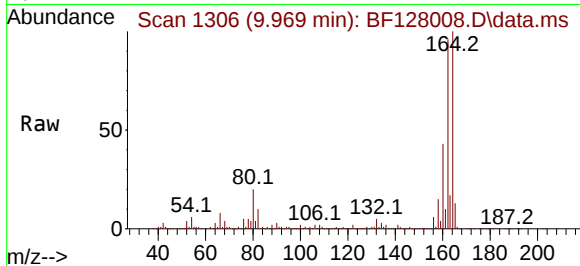




#51
2,6-Dinitrotoluene
Concen: 12.088 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

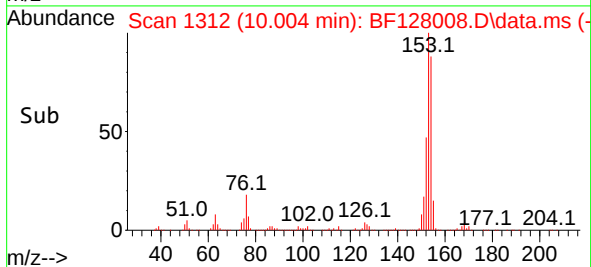
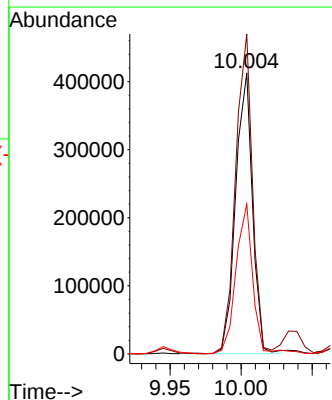
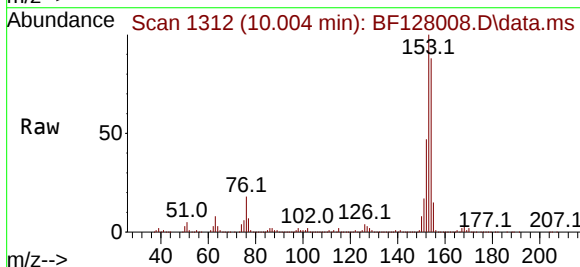
Instrument :
BNA_F
ClientSampleId :
TR-05-042822

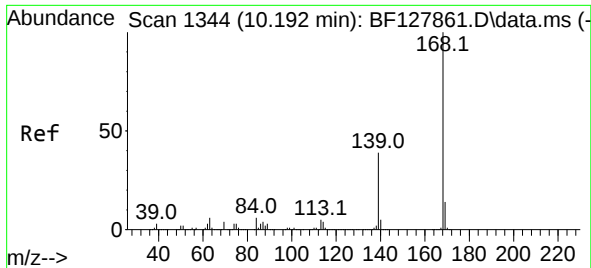
Tgt Ion:165 Resp: 35709
Ion Ratio Lower Upper
165 100
63 2.1 49.5 74.3#
89 2.3 49.0 73.4#



#52
Acenaphthene
Concen: 28.857 ng
RT: 10.004 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Tgt Ion:154 Resp: 340450
Ion Ratio Lower Upper
154 100
153 113.8 90.5 135.7
152 53.3 41.0 61.6

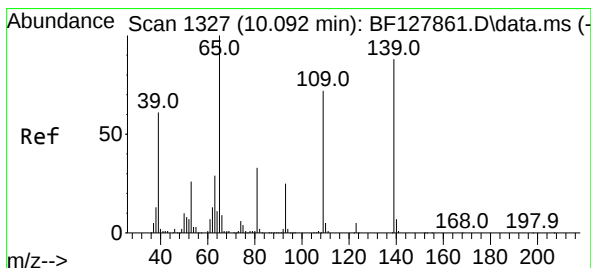
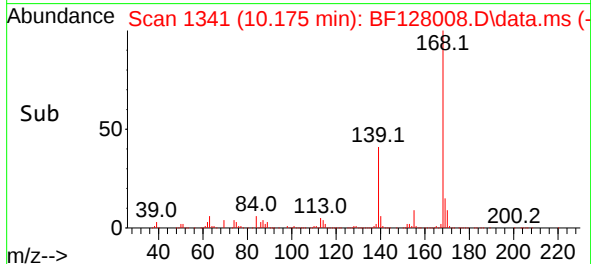
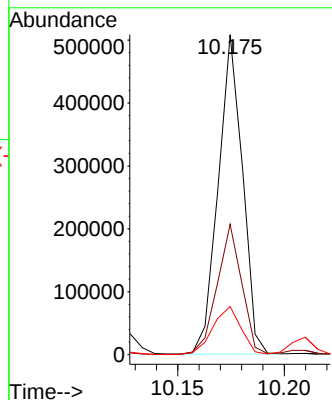
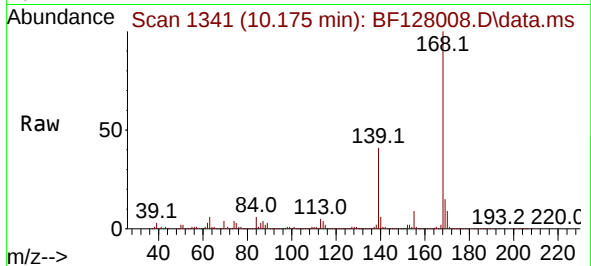




#55
Dibenzenofuran
Concen: 23.587 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

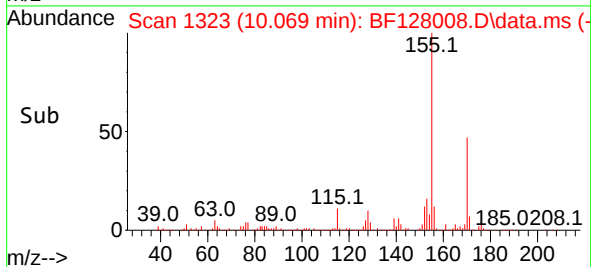
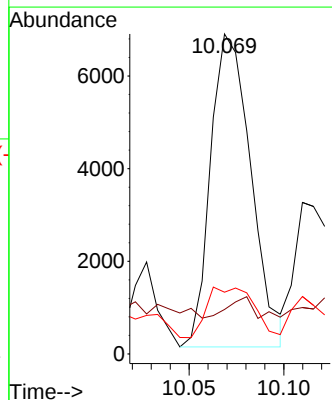
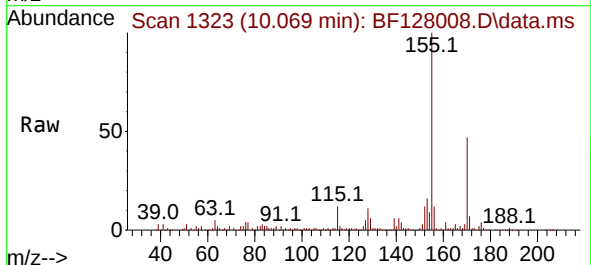
Instrument :
BNA_F
ClientSampleId :
TR-05-042822

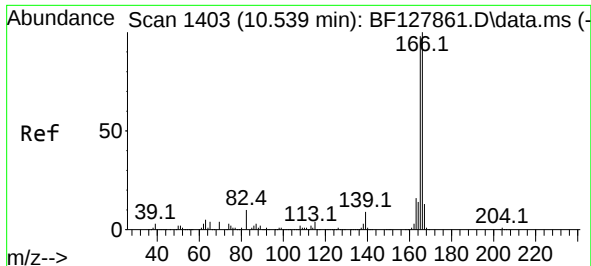
Tgt Ion:168 Resp: 401480
Ion Ratio Lower Upper
168 100
139 40.7 31.7 47.5
169 15.0 10.9 16.3



#56
4-Nitrophenol
Concen: 4.011 ng
RT: 10.069 min Scan# 1323
Delta R.T. -0.018 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Tgt Ion:139 Resp: 10046
Ion Ratio Lower Upper
139 100
109 13.9 61.9 101.9#
65 19.3 93.5 133.5#

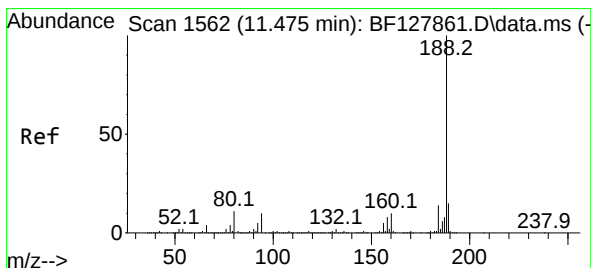
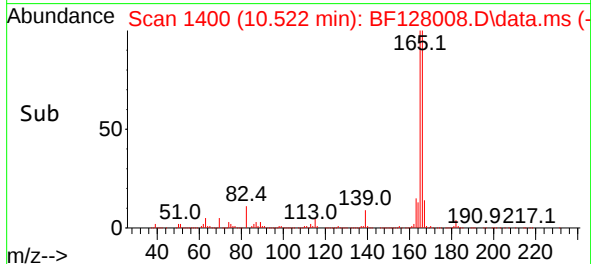
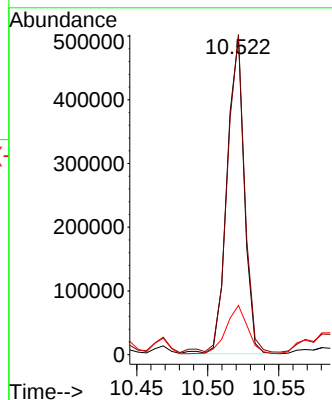
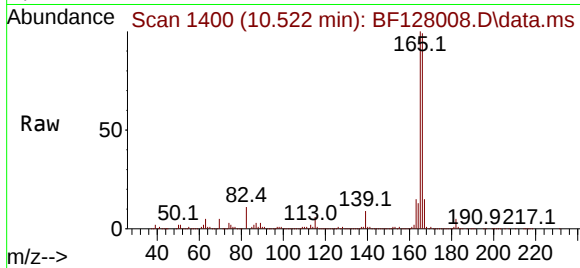




#58
 Fluorene
 Concen: 32.969 ng
 RT: 10.522 min Scan# 14
 Delta R.T. -0.006 min
 Lab File: BF128008.D
 Acq: 29 Apr 2022 21:32

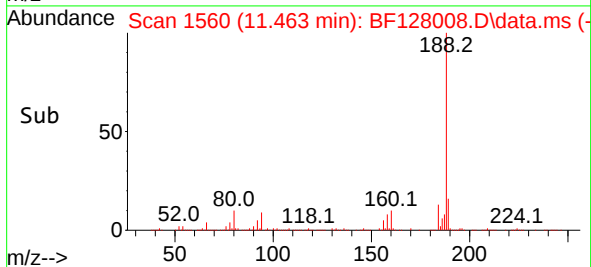
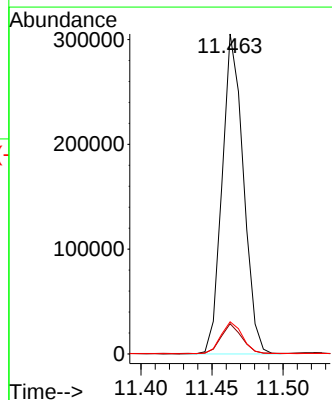
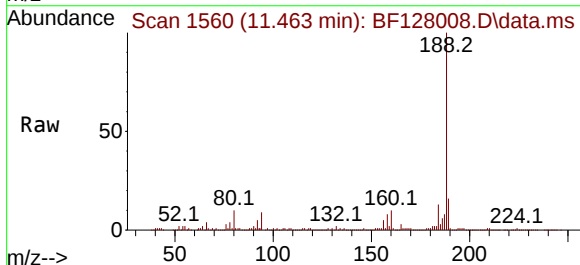
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042822

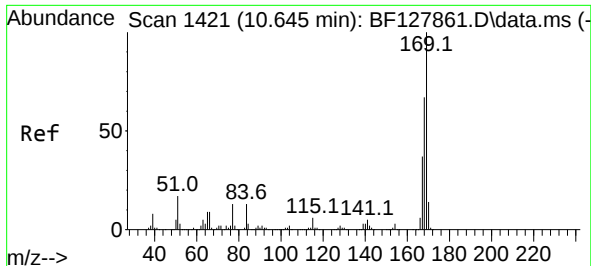
Tgt Ion:166 Resp: 418746
 Ion Ratio Lower Upper
 166 100
 165 100.7 78.6 117.8
 167 15.5 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.463 min Scan# 1560
 Delta R.T. -0.006 min
 Lab File: BF128008.D
 Acq: 29 Apr 2022 21:32

Tgt Ion:188 Resp: 317912
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.0 12.0
 80 10.1 8.9 13.3

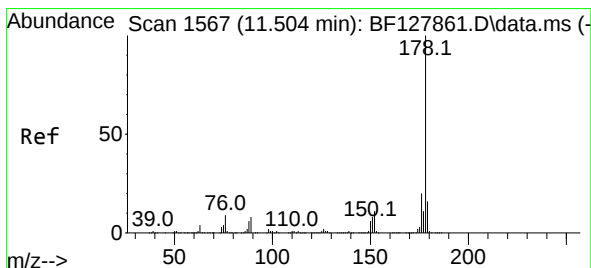
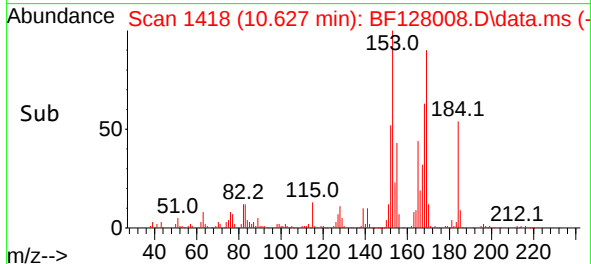
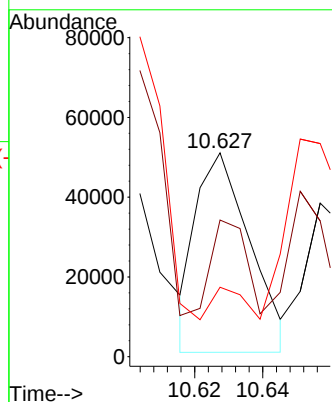
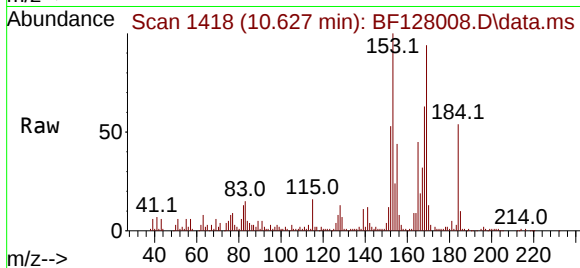




#66
n-Nitrosodiphenylamine
Concen: 5.539 ng
RT: 10.627 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

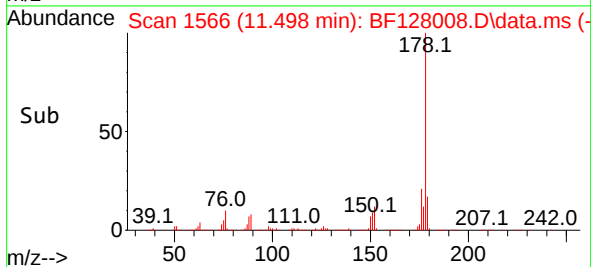
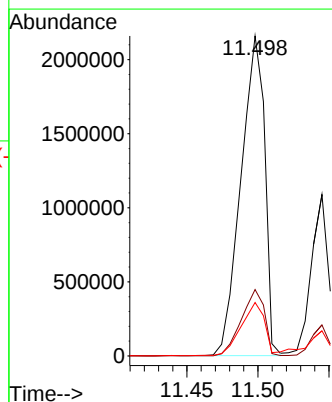
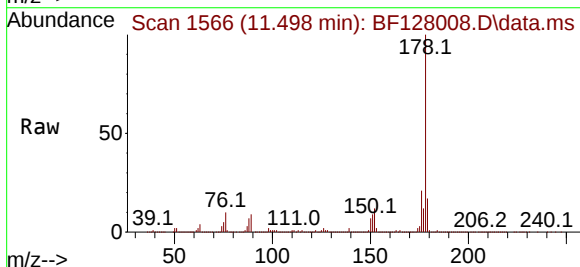
Instrument :
BNA_F
ClientSampleId :
TR-05-042822

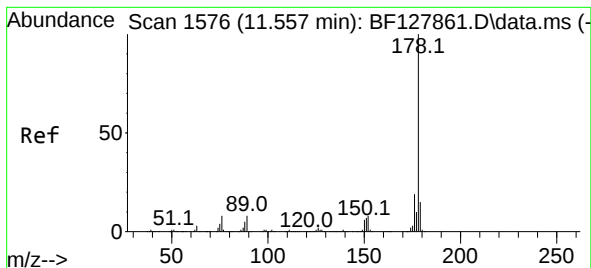
Tgt Ion:169 Resp: 54790
Ion Ratio Lower Upper
169 100
168 67.0 53.8 80.6
167 34.0 29.5 44.3



#71
Phenanthrene
Concen: 150.867 ng
RT: 11.498 min Scan# 1566
Delta R.T. 0.006 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Tgt Ion:178 Resp: 2510614
Ion Ratio Lower Upper
178 100
176 20.8 15.7 23.5
179 16.7 12.6 19.0





#72

Anthracene

Concen: 53.230 ng

RT: 11.545 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042822

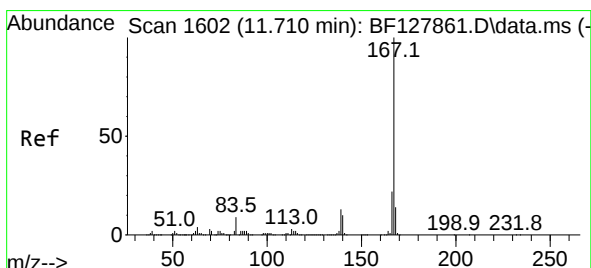
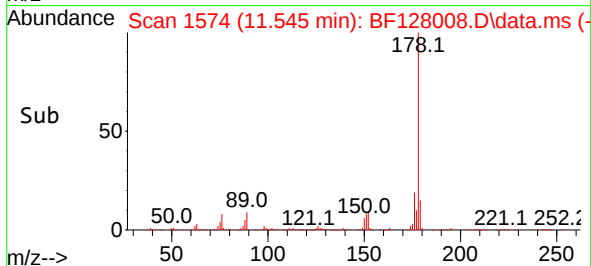
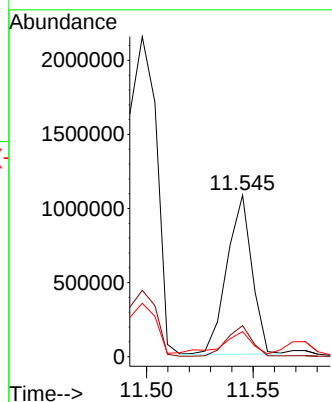
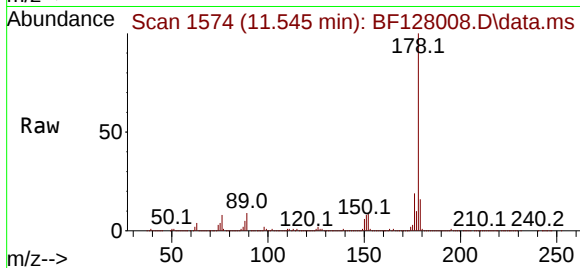
Tgt Ion:178 Resp: 882403

Ion Ratio Lower Upper

178 100

176 19.2 15.0 22.6

179 15.5 12.4 18.6



#73

Carbazole

Concen: 9.344 ng

RT: 11.692 min Scan# 1599

Delta R.T. -0.006 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

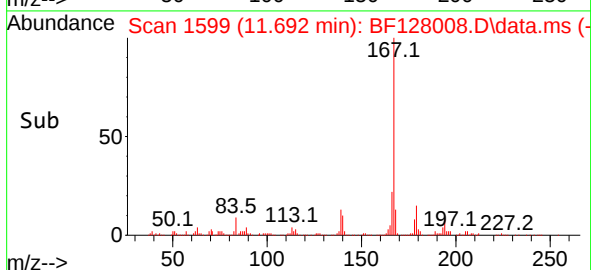
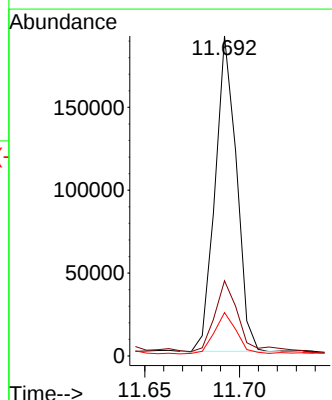
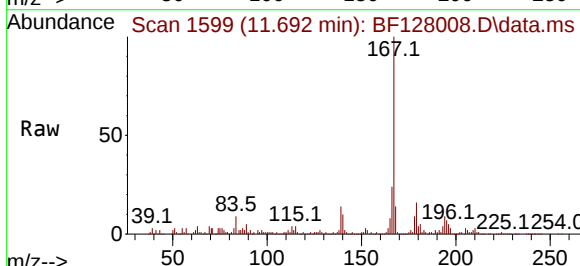
Tgt Ion:167 Resp: 149285

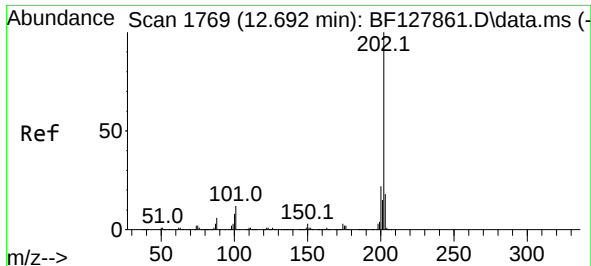
Ion Ratio Lower Upper

167 100

166 23.5 17.6 26.4

139 13.5 10.7 16.1

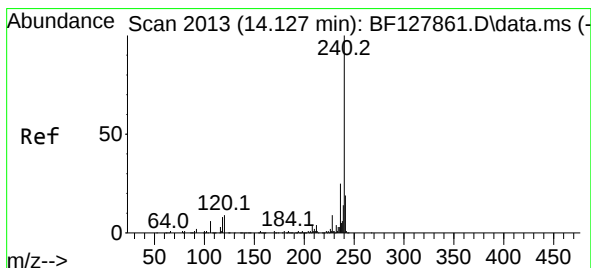
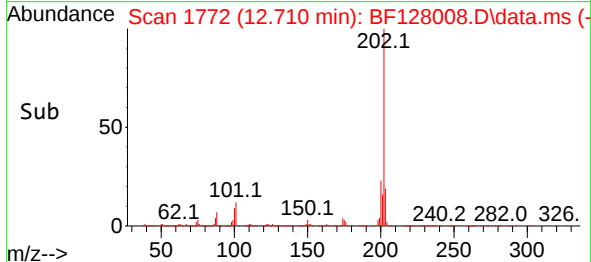
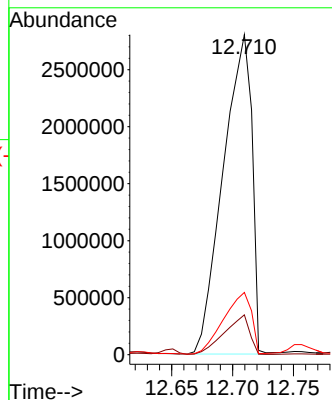
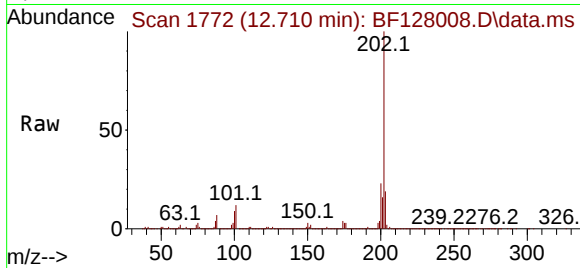




#75
Fluoranthene
Concen: 262.599 ng
RT: 12.710 min Scan# 1769
Delta R.T. 0.024 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

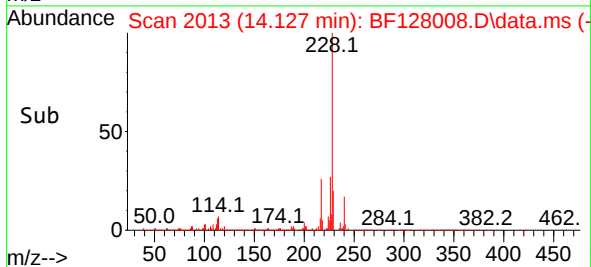
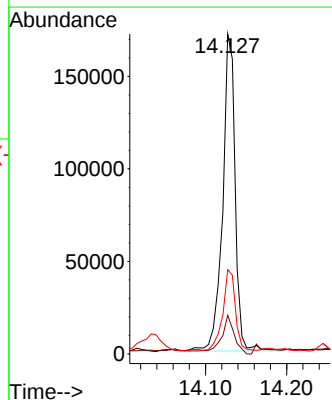
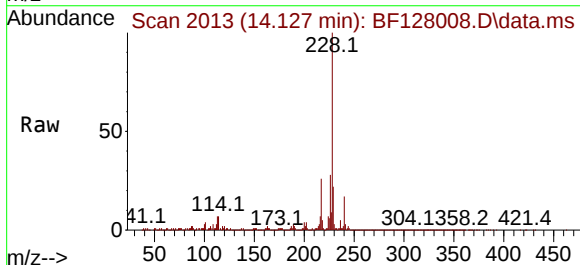
Instrument :
BNA_F
ClientSampleId :
TR-05-042822

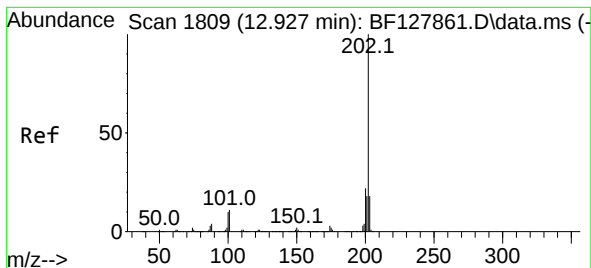
Tgt Ion:202 Resp: 4599245
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.6
203 19.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2013
Delta R.T. 0.012 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Tgt Ion:240 Resp: 184986
Ion Ratio Lower Upper
240 100
120 12.1 7.0 10.6#
236 26.4 20.3 30.5





#78

Pyrene

Concen: 314.797 ng

RT: 12.945 min Scan# 1812

Delta R.T. 0.029 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

Instrument :

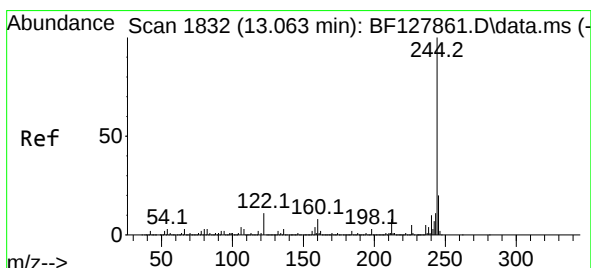
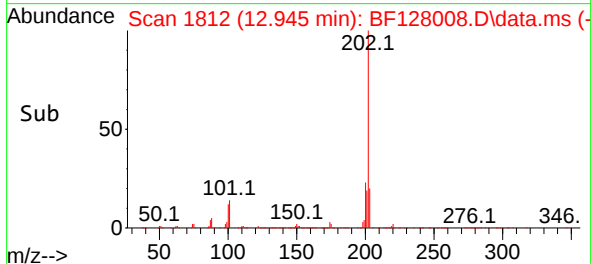
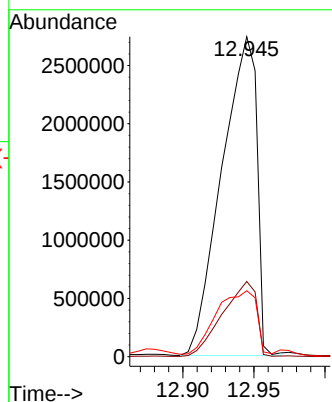
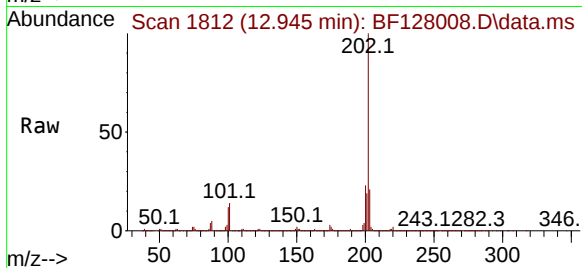
BNA_F

ClientSampleId :

TR-05-042822

Tgt Ion:202 Resp: 4700864

Ion	Ratio	Lower	Upper
202	100		
200	23.5	17.4	26.2
203	20.6	14.0	21.0



#79

Terphenyl-d14

Concen: 34.696 ng

RT: 13.057 min Scan# 1831

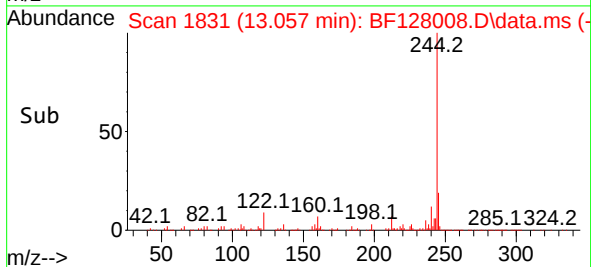
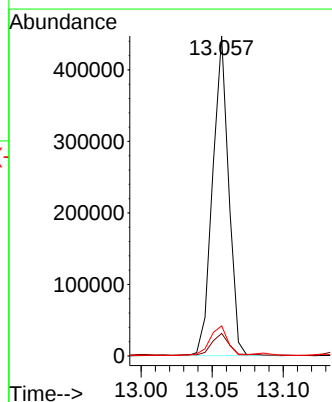
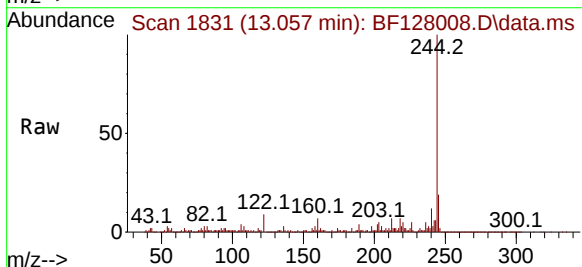
Delta R.T. 0.000 min

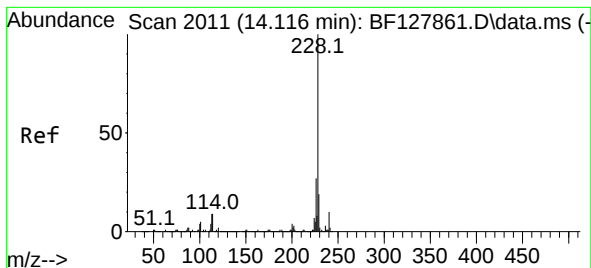
Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

Tgt Ion:244 Resp: 351002

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.2	9.4
122	9.4	8.6	12.8





#81

Benzo(a)anthracene

Concen: 187.490 ng

RT: 14.121 min Scan# 2012

Delta R.T. 0.018 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042822

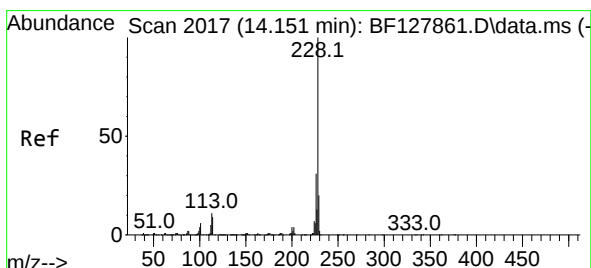
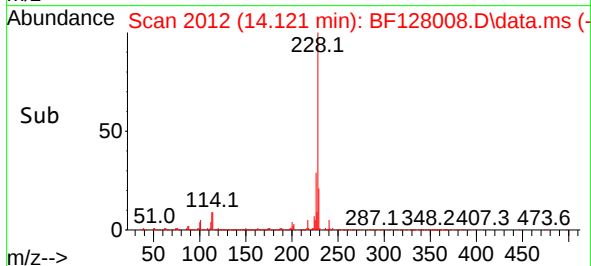
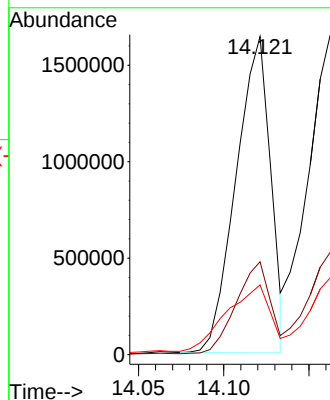
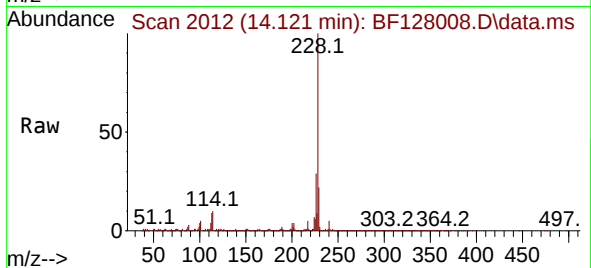
Tgt Ion:228 Resp: 2311723

Ion Ratio Lower Upper

228 100

226 29.3 21.7 32.5

229 21.9 15.4 23.2



#83

Chrysene

Concen: 196.316 ng

RT: 14.121 min Scan# 2012

Delta R.T. -0.018 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

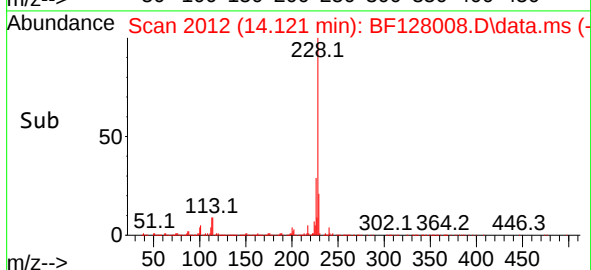
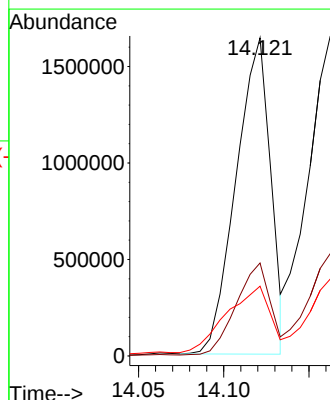
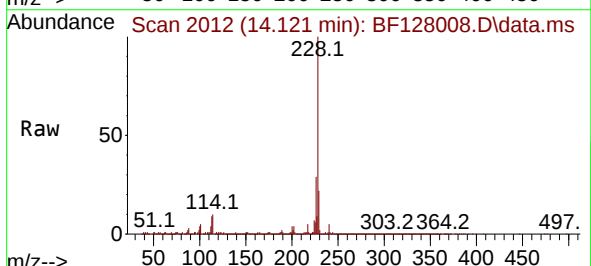
Tgt Ion:228 Resp: 2311723

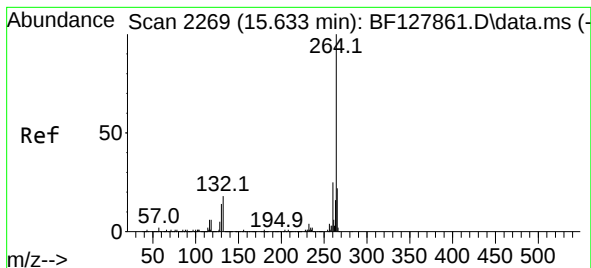
Ion Ratio Lower Upper

228 100

226 29.3 24.4 36.6

229 21.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042822

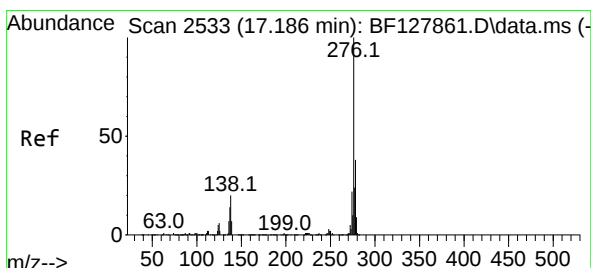
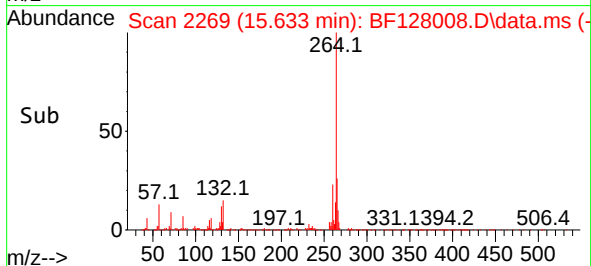
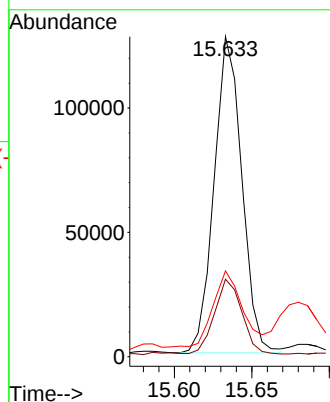
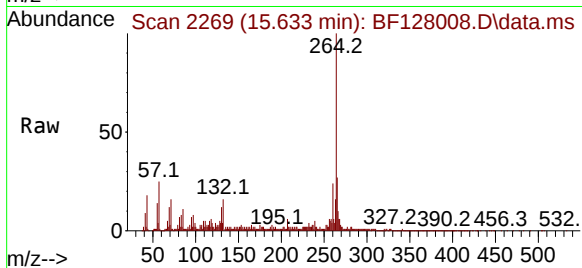
Tgt Ion:264 Resp: 158046

Ion Ratio Lower Upper

264 100

260 24.2 20.1 30.1

265 26.8 17.5 26.3#



#87

Indeno(1,2,3-cd)pyrene

Concen: 45.317 ng

RT: 17.186 min Scan# 2533

Delta R.T. 0.018 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

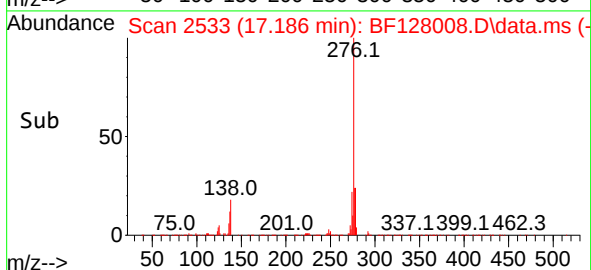
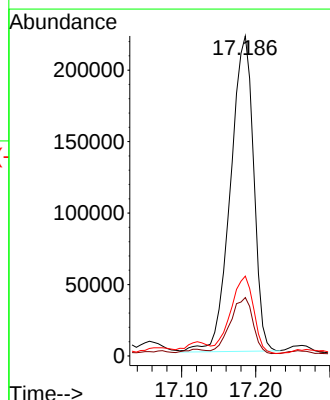
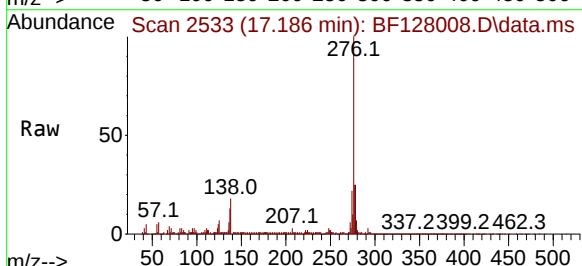
Tgt Ion:276 Resp: 478058

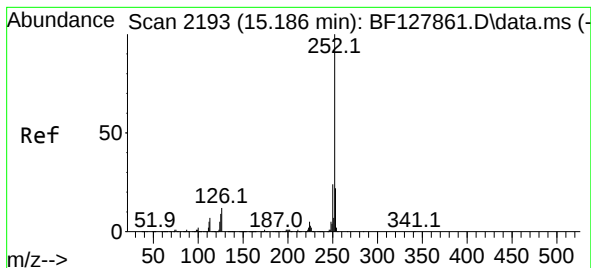
Ion Ratio Lower Upper

276 100

138 17.5 19.0 28.4#

277 24.7 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 198.970 ng

RT: 15.198 min Scan# 2195

Delta R.T. 0.024 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042822

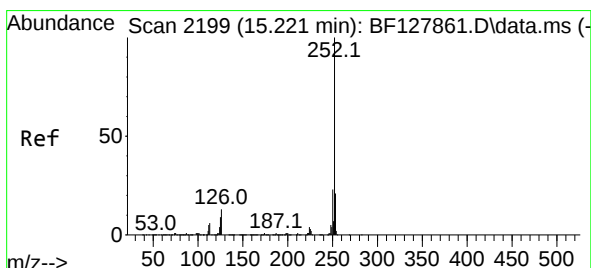
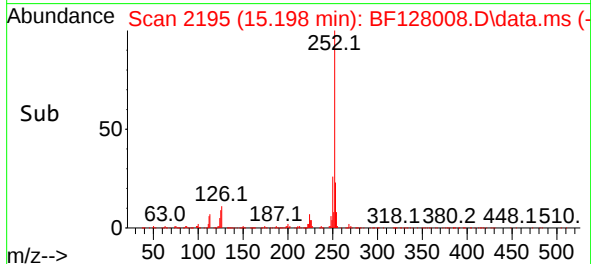
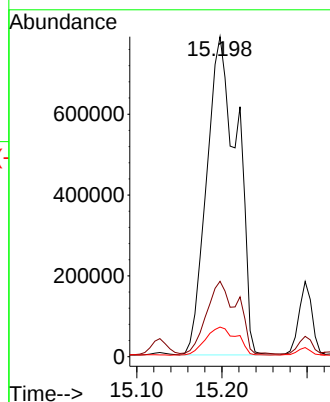
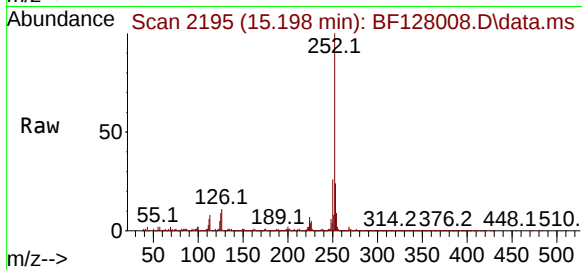
Tgt Ion:252 Resp: 1975111

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

125 9.3 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 197.493 ng

RT: 15.198 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

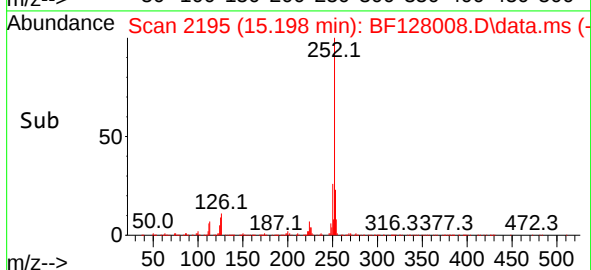
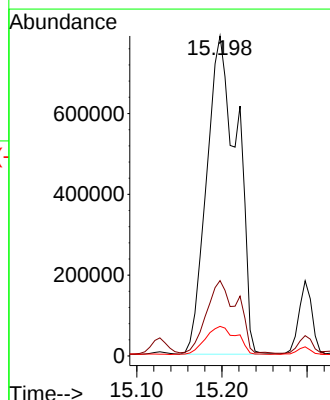
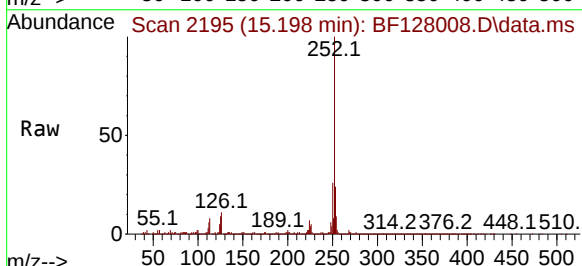
Tgt Ion:252 Resp: 1975111

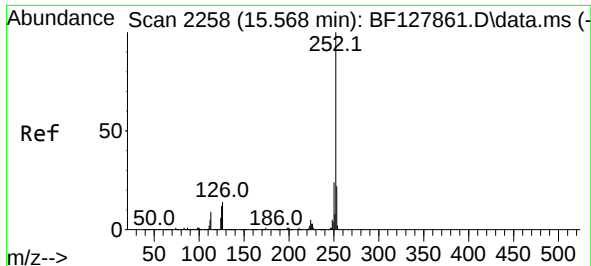
Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.4

125 9.3 6.8 10.2

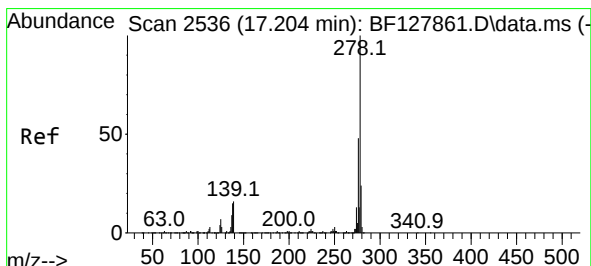
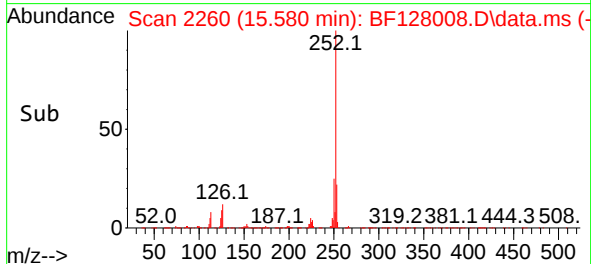
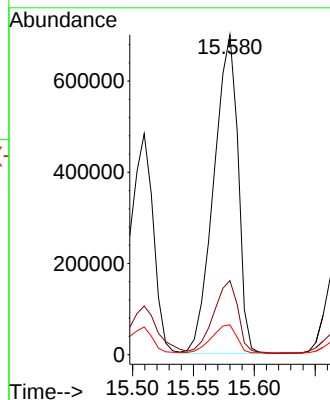
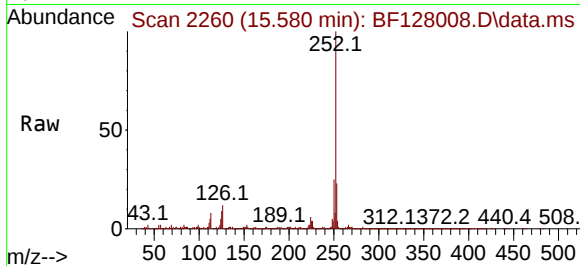




#90
Benzo(a)pyrene
Concen: 117.517 ng
RT: 15.580 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

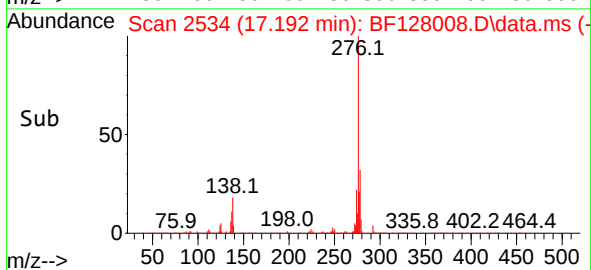
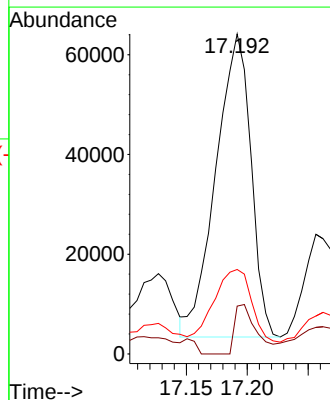
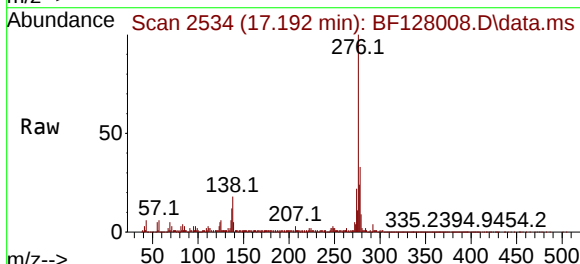
Instrument :
BNA_F
ClientSampleId :
TR-05-042822

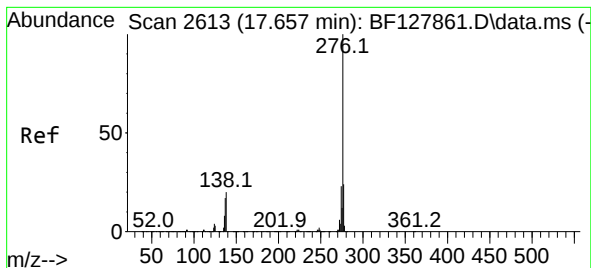
Tgt Ion:252 Resp: 967641
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 9.3 9.2 13.8



#91
Dibenzo(a,h)anthracene
Concen: 14.364 ng
RT: 17.192 min Scan# 2534
Delta R.T. 0.006 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Tgt Ion:278 Resp: 121522
Ion Ratio Lower Upper
278 100
139 14.9 12.6 19.0
279 26.4 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 51.977 ng

RT: 17.662 min Scan# 20

Delta R.T. 0.024 min

Lab File: BF128008.D

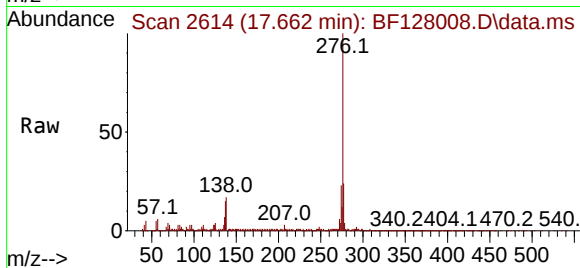
Acq: 29 Apr 2022 21:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042822



Tgt Ion:276 Resp: 463433

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 17.3 16.2 24.2

