

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
 Data File : BF128051.D
 Acq On : 03 May 2022 17:46
 Operator : CG\JU
 Sample : N2647-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 357

Quant Time: May 04 04:27:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 04:23:29 2022
 Response via : Initial Calibration

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

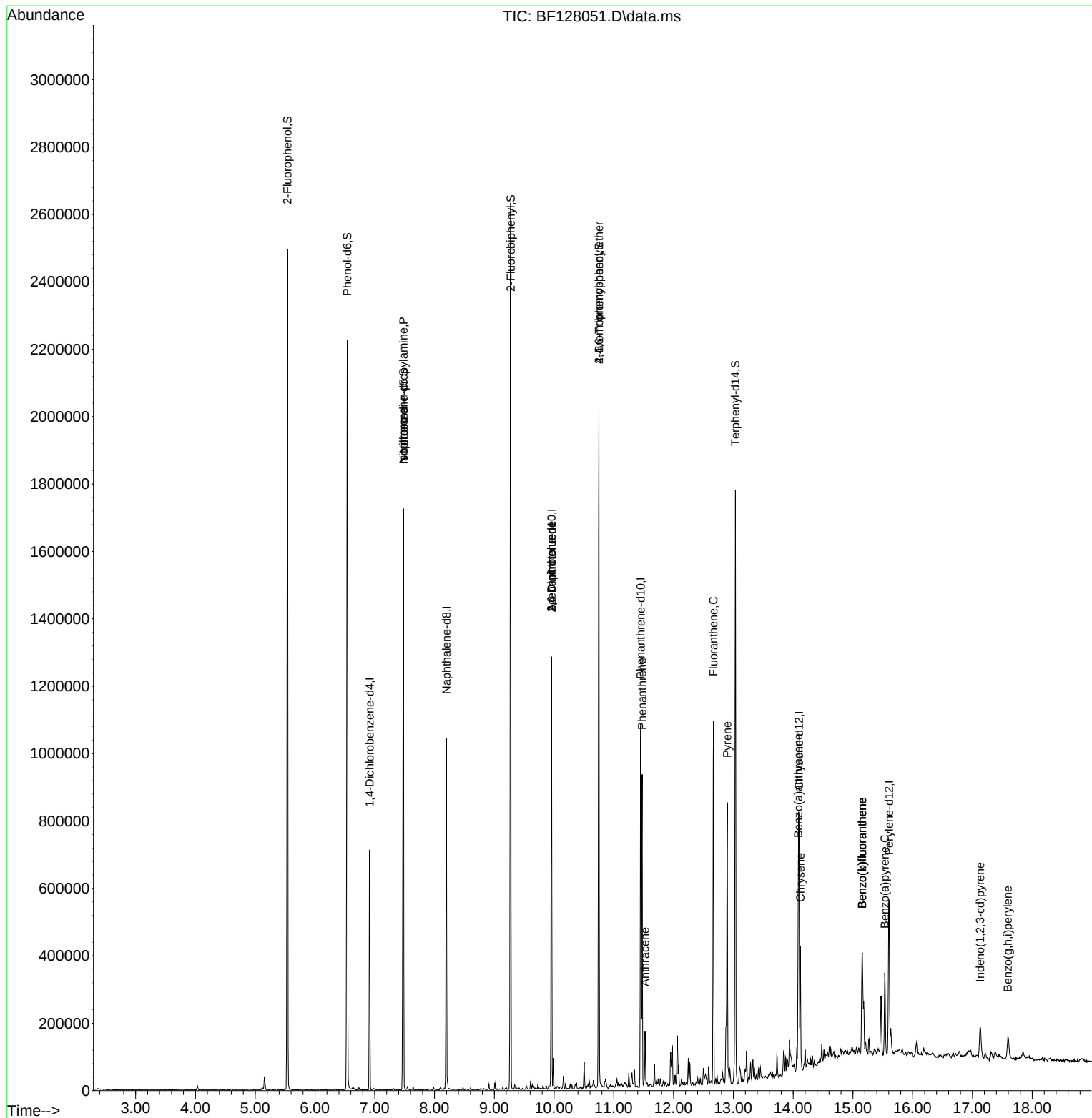
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	100813	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	404304	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	235713	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	388315	20.000	ng	0.00
76) Chrysene-d12	14.098	240	210436	20.000	ng	0.00
86) Perylene-d12	15.604	264	212043	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	607760	96.022	ng	0.00
7) Phenol-d6	6.540	99	814445	99.168	ng	-0.01
23) Nitrobenzene-d5	7.481	82	588204	68.413	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	224420	94.578	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	782131	56.135	ng	0.00
79) Terphenyl-d14	13.033	244	559439	48.612	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	80797	16.071	ng	# 79
25) Isophorone	7.481	82	588192	40.647	ng	# 68
51) 2,6-Dinitrotoluene	9.957	165	30413	8.886	ng	# 21
57) 2,4-Dinitrotoluene	9.957	165	30413	6.708	ng	# 26
67) 4-Bromophenyl-phenylether	10.751	248	13750	3.194	ng	# 1
71) Phenanthrene	11.475	178	313622	15.429	ng	100
72) Anthracene	11.522	178	56817	2.806	ng	97
75) Fluoranthene	12.669	202	422247	19.738	ng	96
78) Pyrene	12.898	202	332089	19.549	ng	99
81) Benzo(a)anthracene	14.086	228	141697	10.102	ng	98
83) Chrysene	14.121	228	126203	9.421	ng	99
87) Indeno(1,2,3-cd)pyrene	17.127	276	64498	4.557	ng	97
88) Benzo(b)fluoranthene	15.157	252	232793	17.479	ng	# 97
89) Benzo(k)fluoranthene	15.157	252	232793	17.350	ng	# 96
90) Benzo(a)pyrene	15.533	252	115139	10.422	ng	99
92) Benzo(g,h,i)perylene	17.592	276	58581	4.897	ng	99

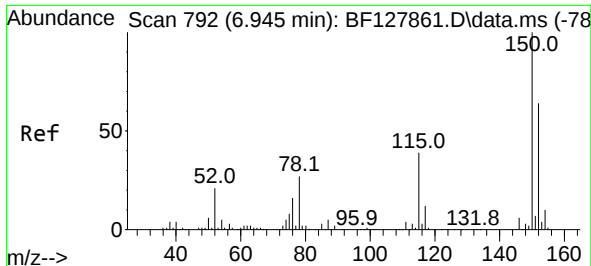
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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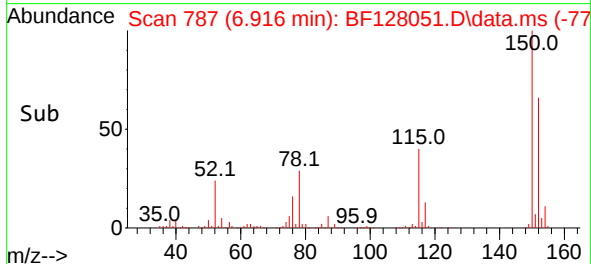
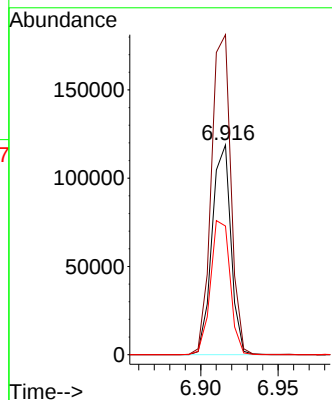
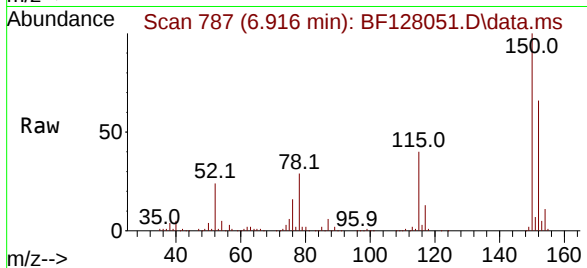




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.916 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF128051.D
 Acq: 03 May 2022 17:46

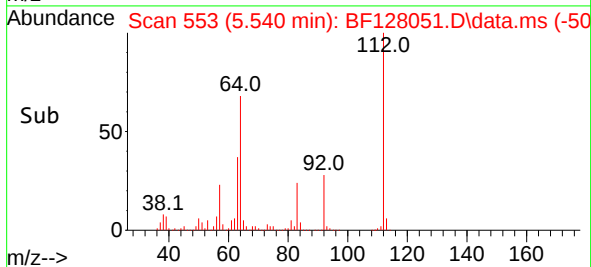
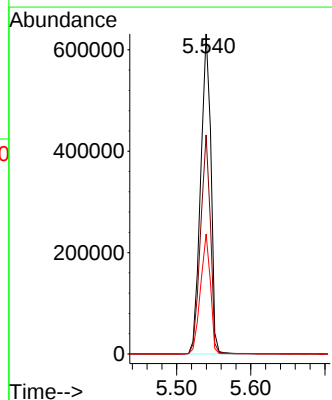
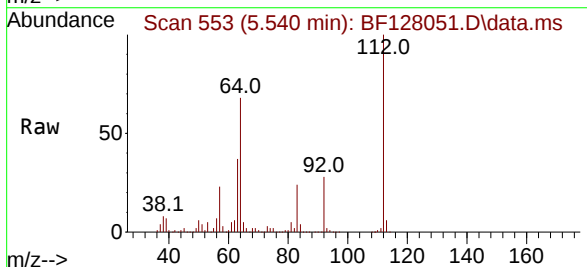
Instrument :
 BNA_F
 ClientSampleId :
 357

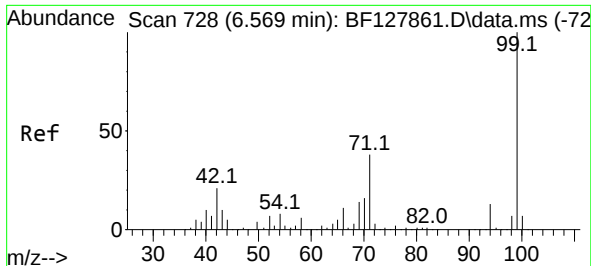
Tgt Ion:152 Resp: 100813
 Ion Ratio Lower Upper
 152 100
 150 152.6 125.3 187.9
 115 61.3 48.8 73.2



#5
 2-Fluorophenol
 Concen: 96.022 ng
 RT: 5.540 min Scan# 553
 Delta R.T. -0.000 min
 Lab File: BF128051.D
 Acq: 03 May 2022 17:46

Tgt Ion:112 Resp: 607760
 Ion Ratio Lower Upper
 112 100
 64 68.4 49.5 74.3
 63 37.5 26.3 39.5

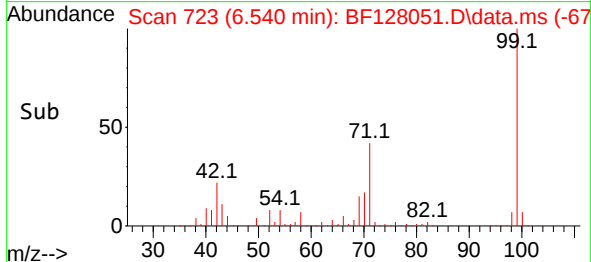
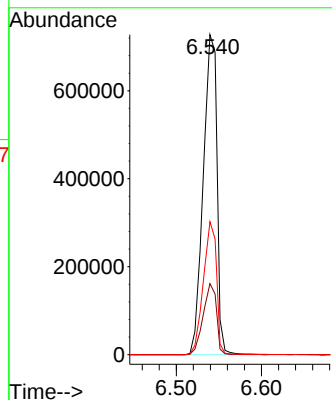
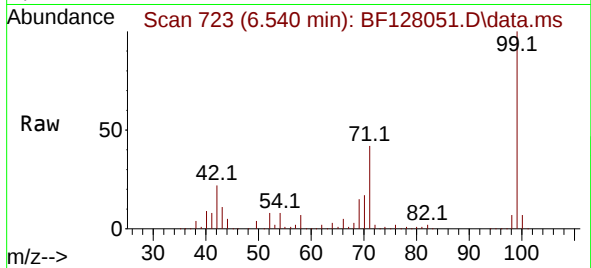




#7
Phenol-d6
Concen: 99.168 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

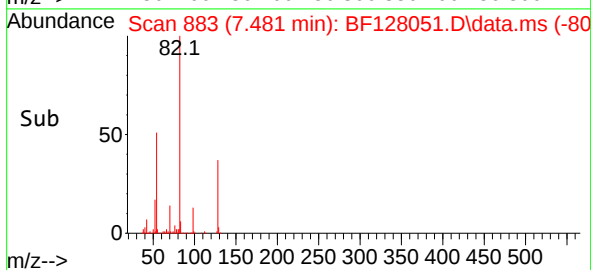
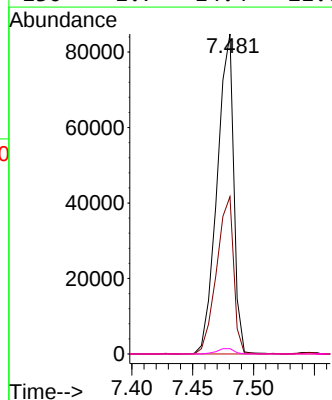
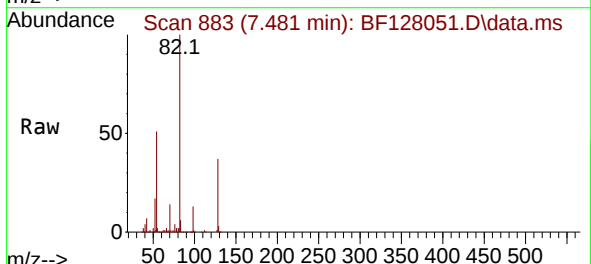
Instrument :
BNA_F
ClientSampleId :
357

Tgt Ion: 99 Resp: 814445
Ion Ratio Lower Upper
99 100
42 22.2 16.6 24.8
71 41.6 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.071 ng
RT: 7.481 min Scan# 883
Delta R.T. 0.147 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

Tgt Ion: 70 Resp: 80797
Ion Ratio Lower Upper
70 100
42 49.1 48.7 73.1
101 0.0 7.2 10.8#
130 1.7 14.4 21.6#

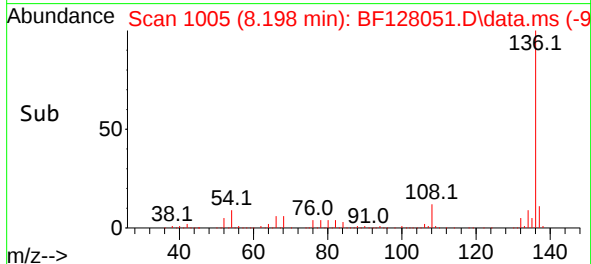
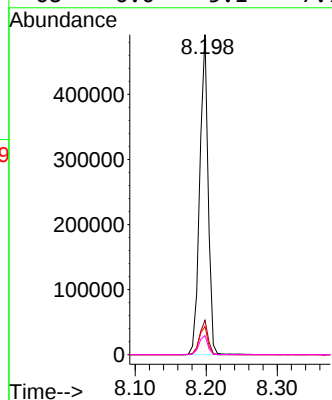
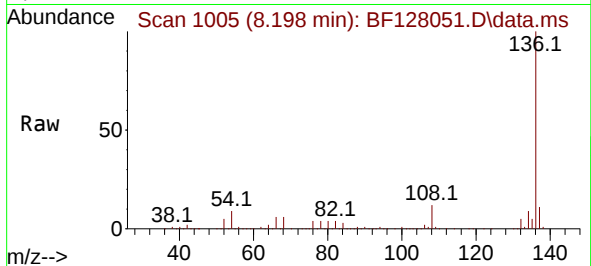




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

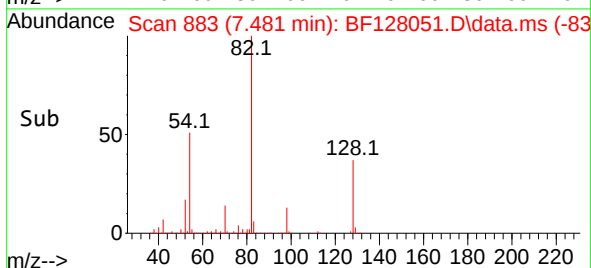
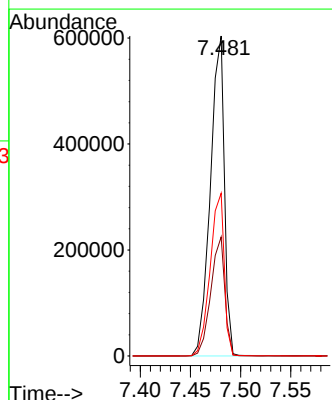
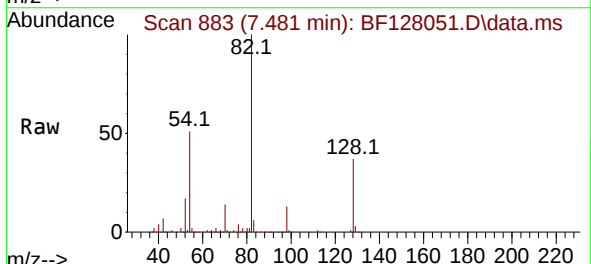
Instrument :
BNA_F
ClientSampleId :
357

Tgt Ion:	136	Resp:	404304
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	8.9	6.8	10.2
68	6.0	5.1	7.7



#23
Nitrobenzene-d5
Concen: 68.413 ng
RT: 7.481 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

Tgt Ion:	82	Resp:	588204
Ion Ratio	Lower	Upper	
82	100		
128	37.2	30.0	45.0
54	50.9	41.3	61.9

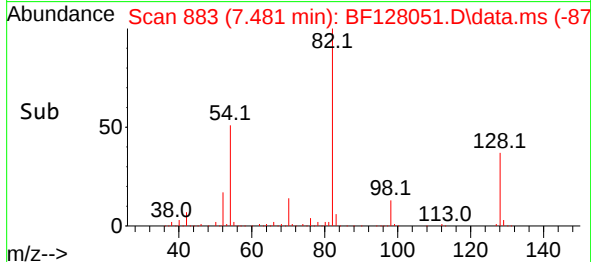
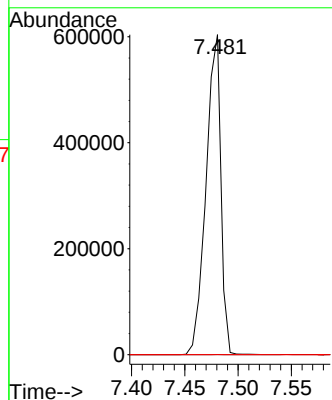
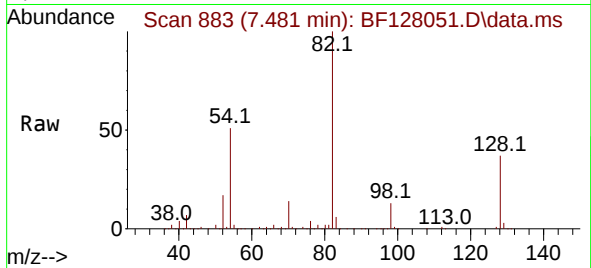




#25
Isophorone
Concen: 40.647 ng
RT: 7.481 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

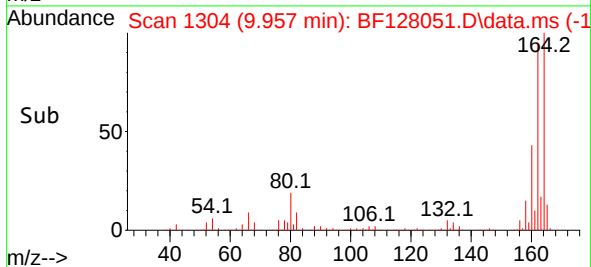
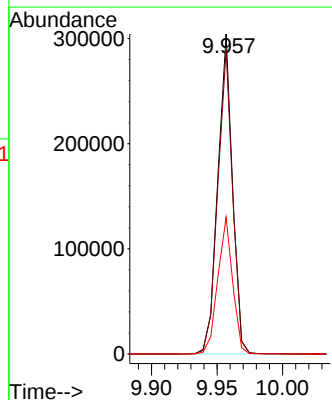
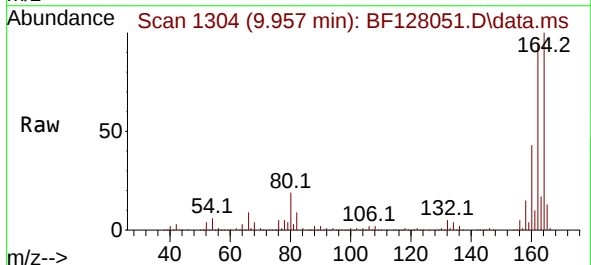
Instrument :
BNA_F
ClientSampleId :
357

Tgt Ion: 82 Resp: 588192
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

Tgt Ion: 164 Resp: 235713
Ion Ratio Lower Upper
164 100
162 95.1 76.0 114.0
160 42.7 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 94.578 ng

RT: 10.751 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF128051.D

Acq: 03 May 2022 17:46

Instrument :

BNA_F

ClientSampleId :

357

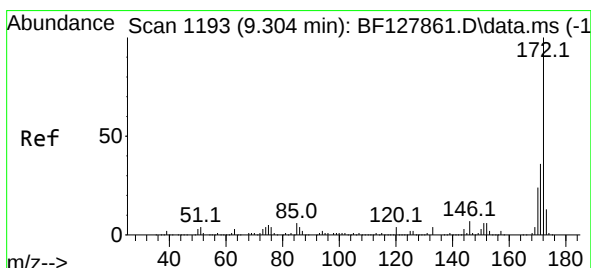
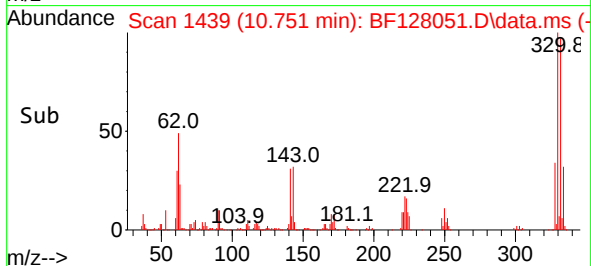
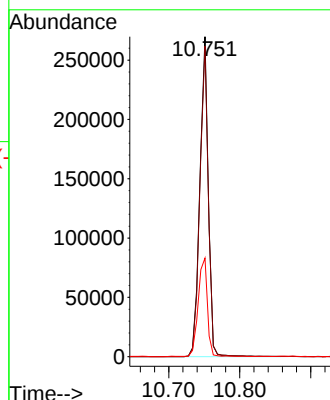
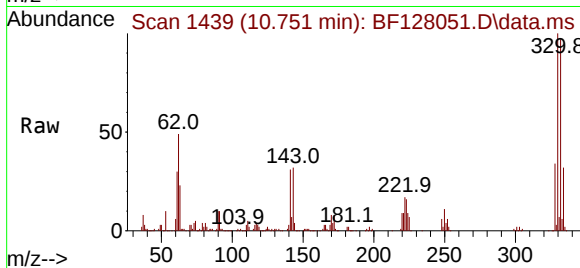
Tgt Ion:330 Resp: 224420

Ion Ratio Lower Upper

330 100

332 96.9 79.0 118.4

141 33.4 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 56.135 ng

RT: 9.275 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF128051.D

Acq: 03 May 2022 17:46

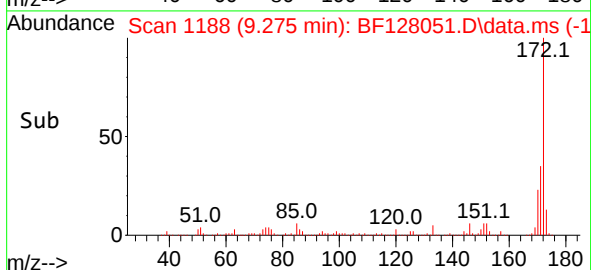
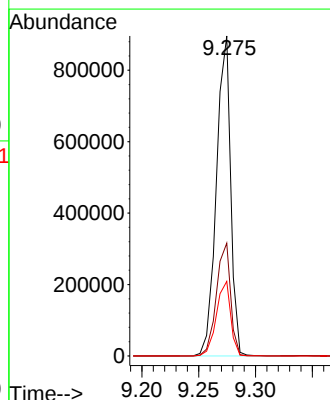
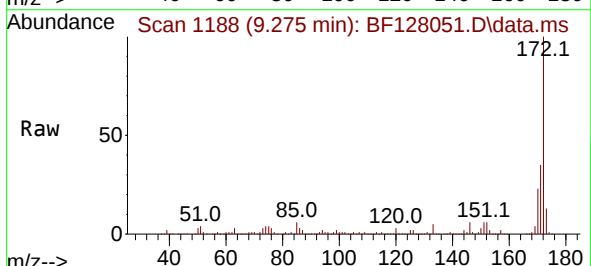
Tgt Ion:172 Resp: 782131

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.3 19.1 28.7

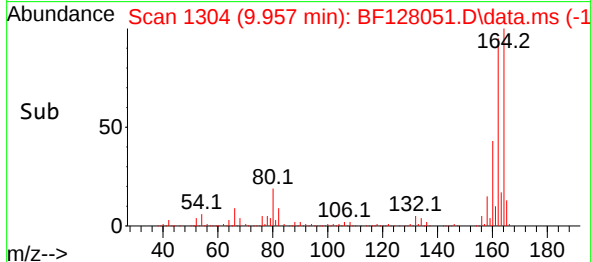
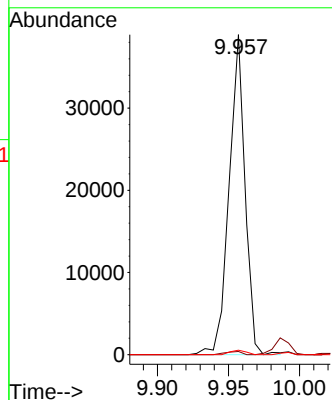
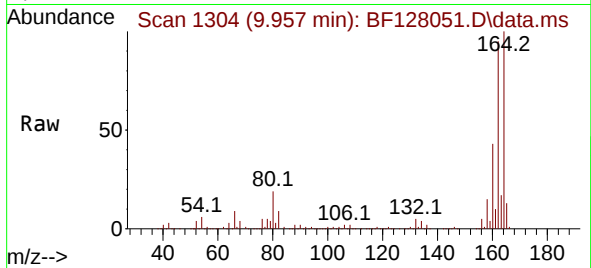




#51
2,6-Dinitrotoluene
Concen: 8.886 ng
RT: 9.957 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

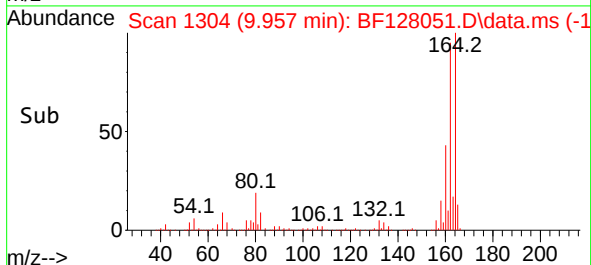
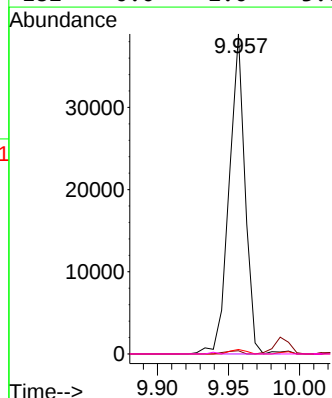
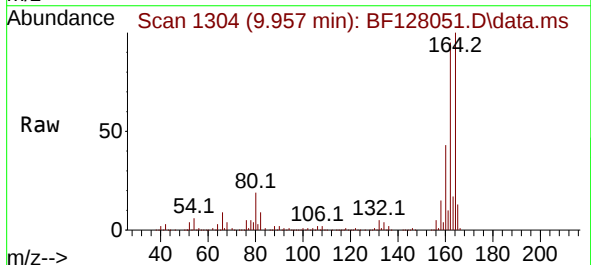
Instrument :
BNA_F
ClientSampleId :
357

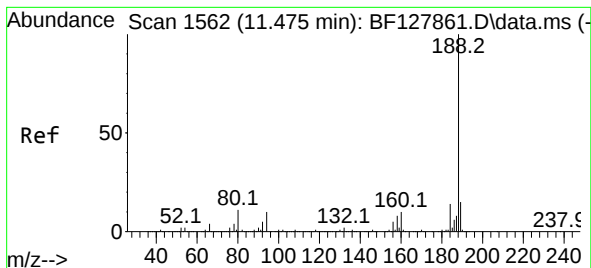
Tgt Ion:165 Resp: 30413
Ion Ratio Lower Upper
165 100
63 1.0 49.5 74.3#
89 1.4 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 6.708 ng
RT: 9.957 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

Tgt Ion:165 Resp: 30413
Ion Ratio Lower Upper
165 100
63 1.0 32.6 49.0#
89 1.4 55.2 82.8#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128051.D

Acq: 03 May 2022 17:46

Instrument :

BNA_F

ClientSampleId :

357

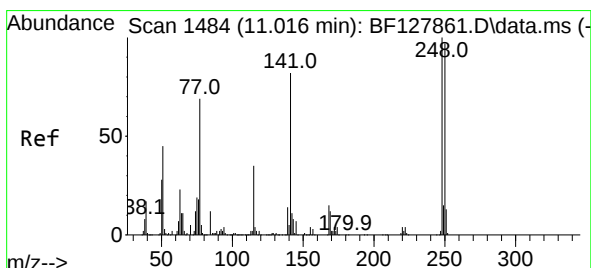
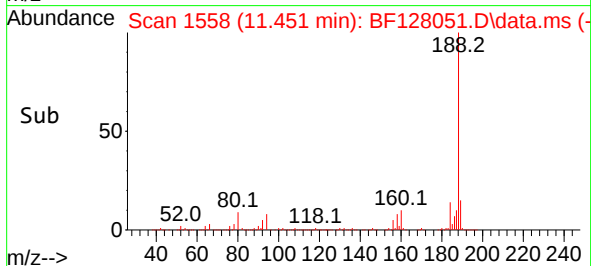
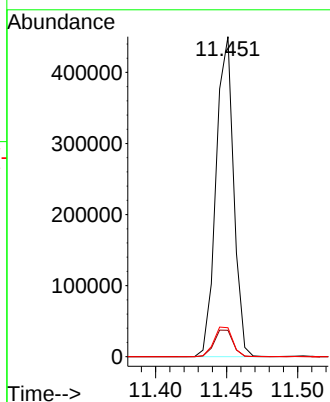
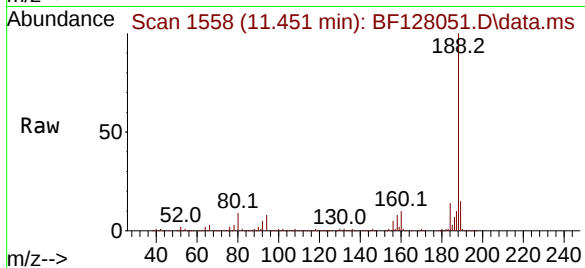
Tgt Ion:188 Resp: 388315

Ion Ratio Lower Upper

188 100

94 8.3 8.0 12.0

80 9.0 8.9 13.3



#67

4-Bromophenyl-phenylether

Concen: 3.194 ng

RT: 10.751 min Scan# 1439

Delta R.T. -0.247 min

Lab File: BF128051.D

Acq: 03 May 2022 17:46

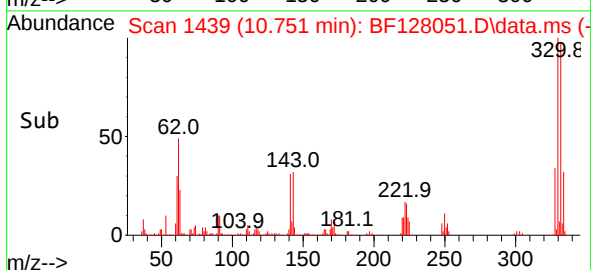
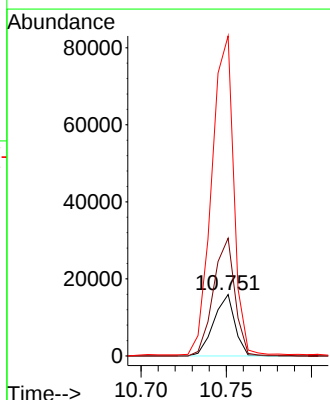
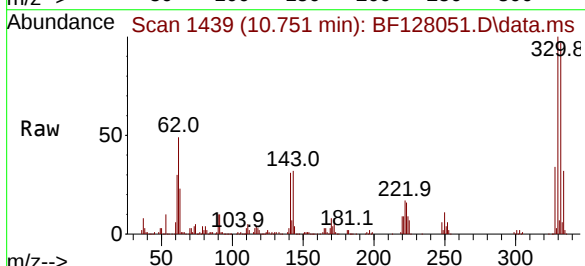
Tgt Ion:248 Resp: 13750

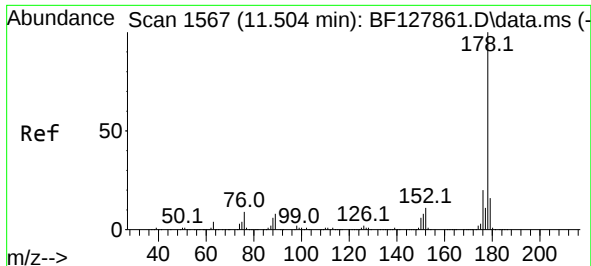
Ion Ratio Lower Upper

248 100

250 191.7 77.7 116.5#

141 520.5 65.6 98.4#

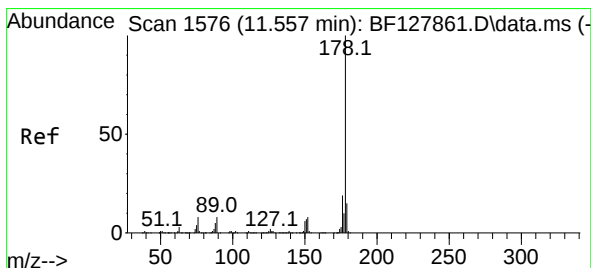
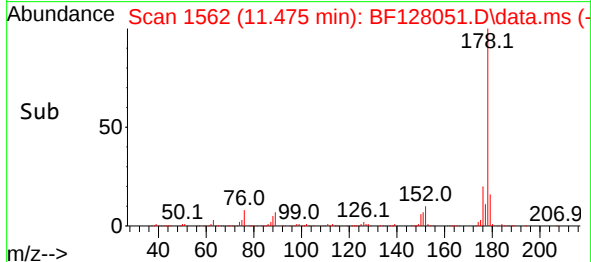
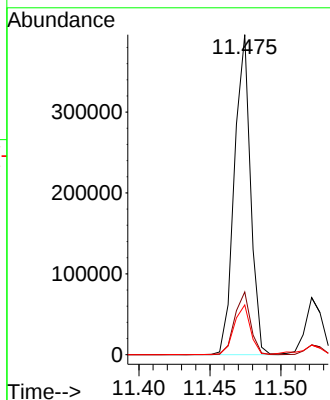
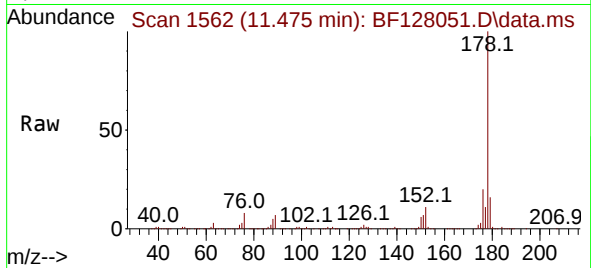




#71
Phenanthrene
Concen: 15.429 ng
RT: 11.475 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

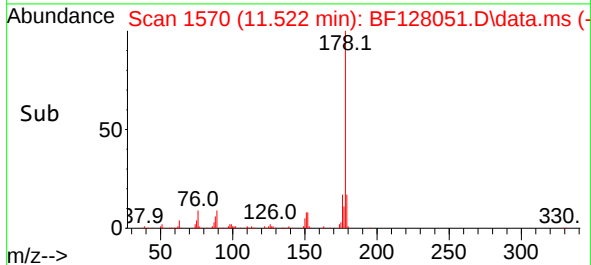
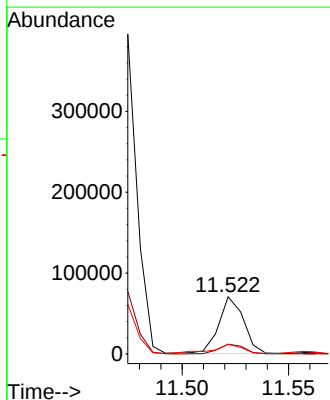
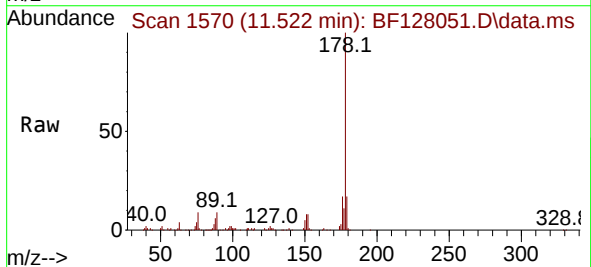
Instrument :
BNA_F
ClientSampleId :
357

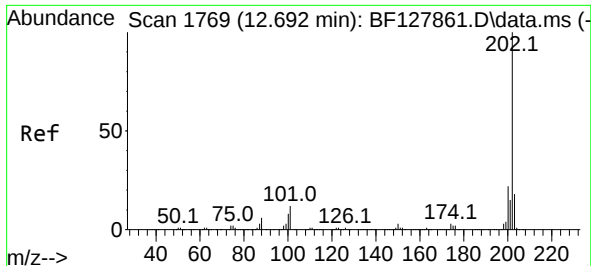
Tgt Ion:178 Resp: 313622
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.6 12.6 19.0



#72
Anthracene
Concen: 2.806 ng
RT: 11.522 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

Tgt Ion:178 Resp: 56817
Ion Ratio Lower Upper
178 100
176 17.2 15.0 22.6
179 16.8 12.4 18.6

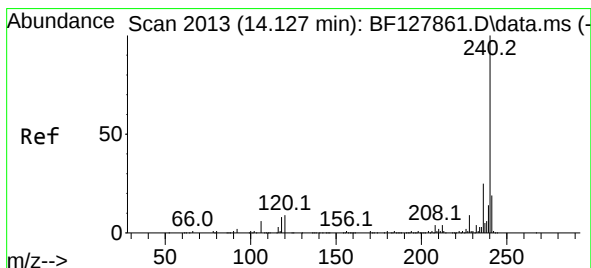
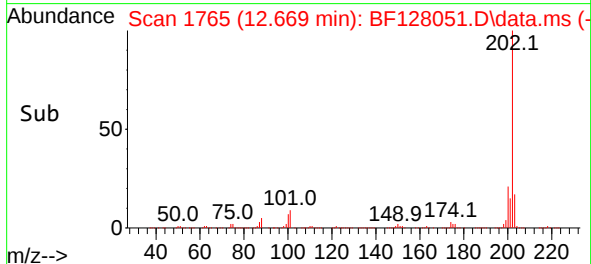
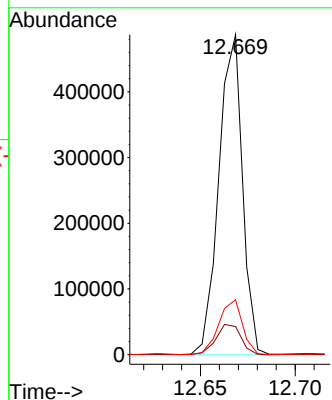
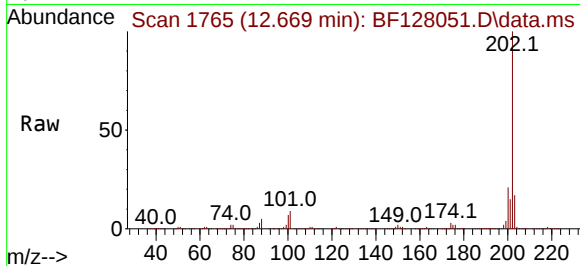




#75
Fluoranthene
Concen: 19.738 ng
RT: 12.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

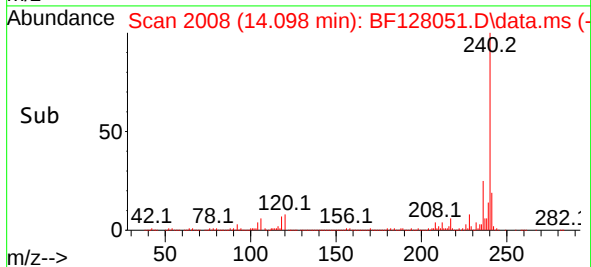
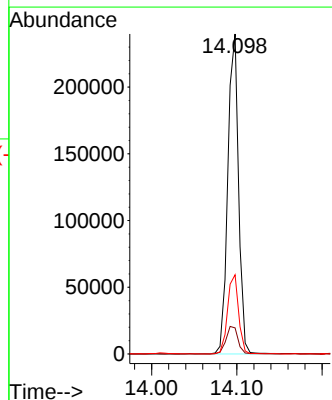
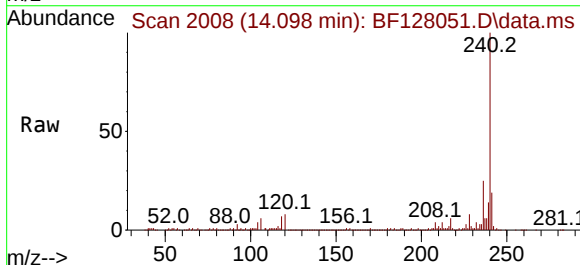
Instrument :
BNA_F
ClientSampleId :
357

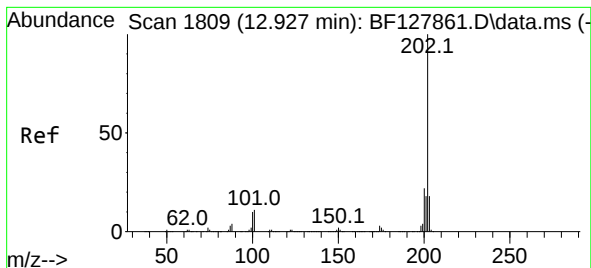
Tgt Ion:202 Resp: 422247
Ion Ratio Lower Upper
202 100
101 8.8 0.0 31.6
203 17.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

Tgt Ion:240 Resp: 210436
Ion Ratio Lower Upper
240 100
120 8.1 7.0 10.6
236 24.8 20.3 30.5





#78

Pyrene

Concen: 19.549 ng

RT: 12.898 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF128051.D

Acq: 03 May 2022 17:46

Instrument :

BNA_F

ClientSampleId :

357

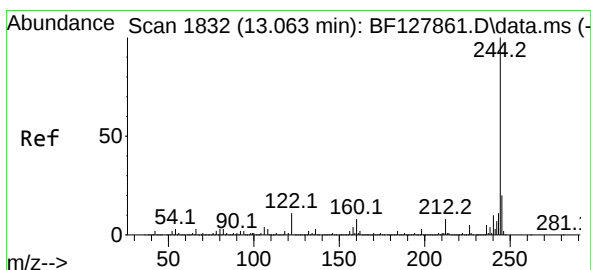
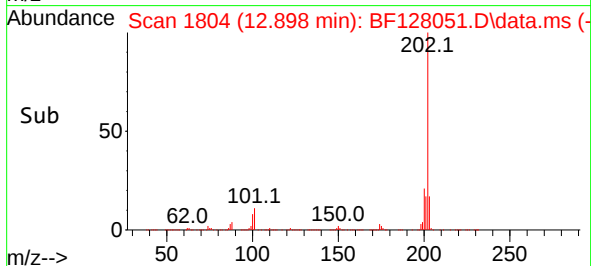
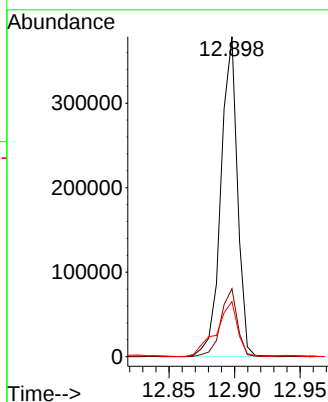
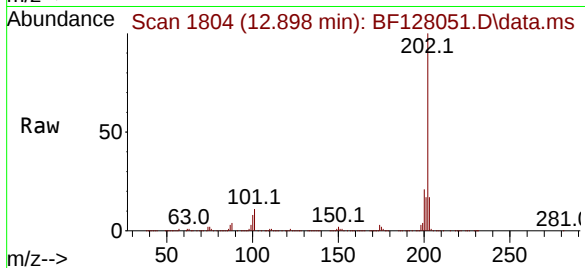
Tgt Ion:202 Resp: 332089

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

203 17.2 14.0 21.0



#79

Terphenyl-d14

Concen: 48.612 ng

RT: 13.033 min Scan# 1827

Delta R.T. -0.012 min

Lab File: BF128051.D

Acq: 03 May 2022 17:46

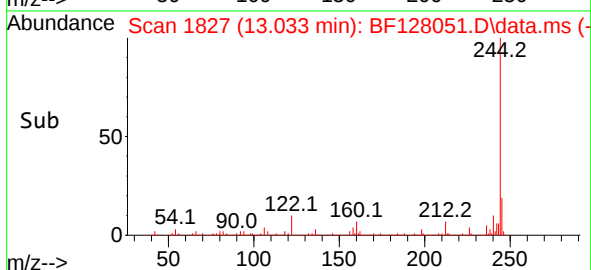
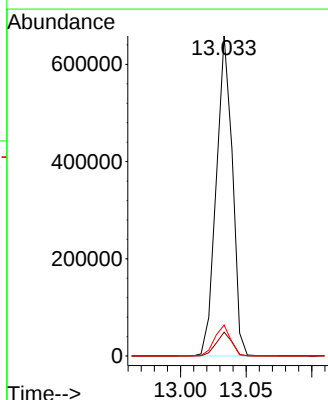
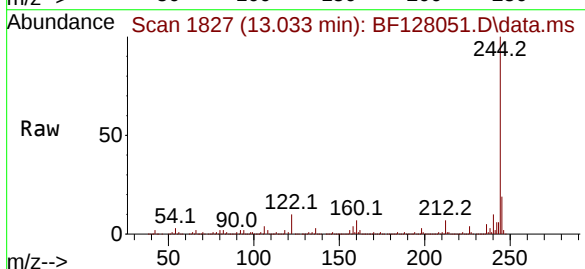
Tgt Ion:244 Resp: 559439

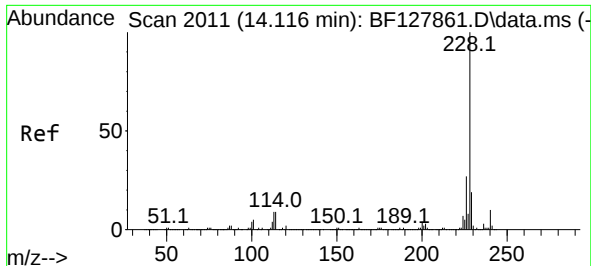
Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.4

122 9.7 8.6 12.8

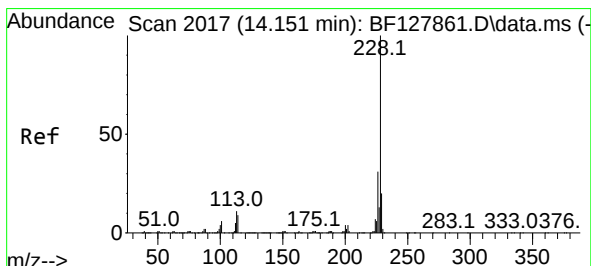
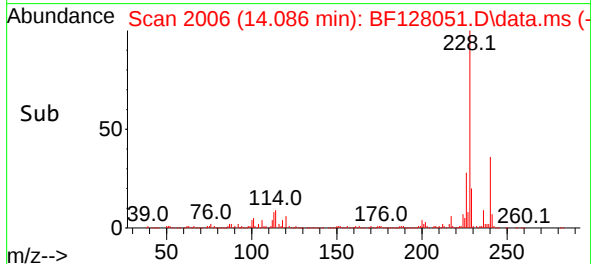
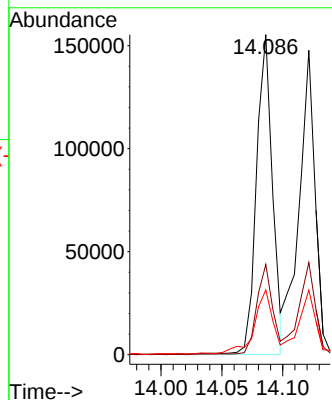
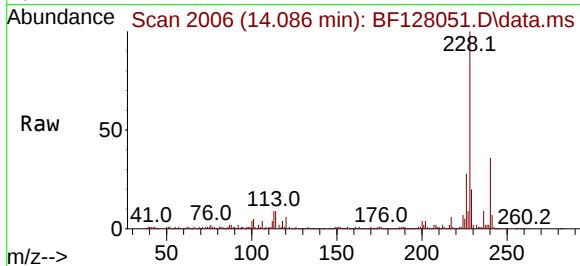




#81
Benzo(a)anthracene
Concen: 10.102 ng
RT: 14.086 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

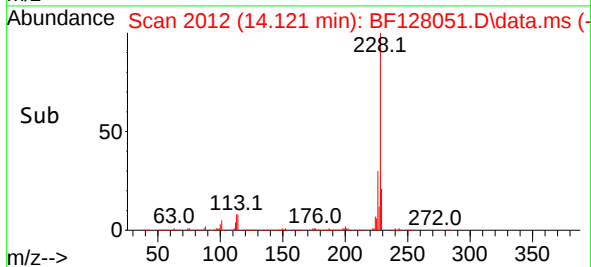
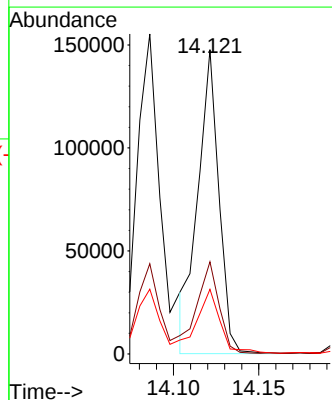
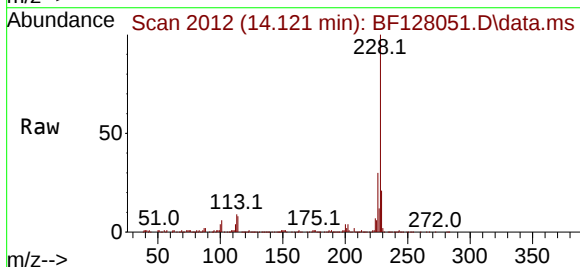
Instrument :
BNA_F
ClientSampleId :
357

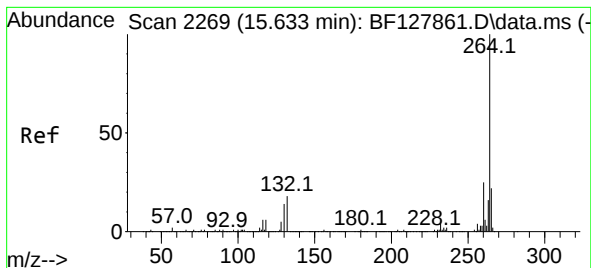
Tgt Ion:228 Resp: 141697
Ion Ratio Lower Upper
228 100
226 28.2 21.7 32.5
229 20.3 15.4 23.2



#83
Chrysene
Concen: 9.421 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

Tgt Ion:228 Resp: 126203
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 21.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.604 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128051.D

Acq: 03 May 2022 17:46

Instrument :

BNA_F

ClientSampleId :

357

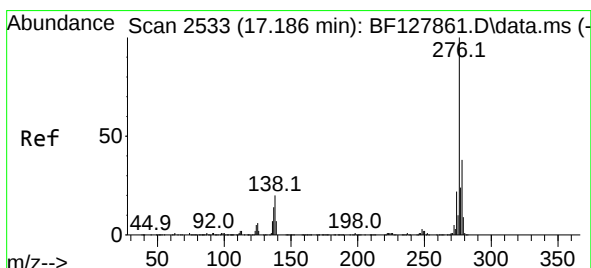
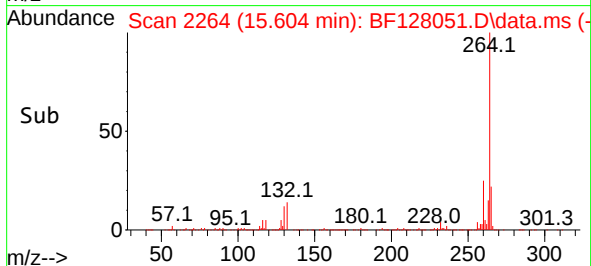
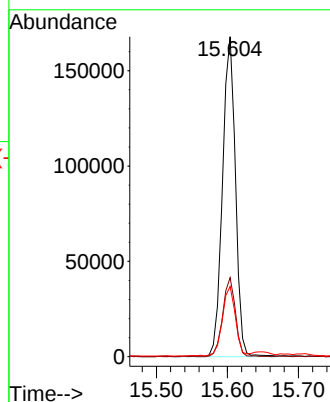
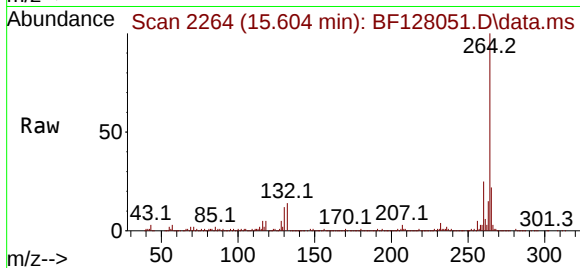
Tgt Ion:264 Resp: 212043

Ion Ratio Lower Upper

264 100

260 24.7 20.1 30.1

265 22.0 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.557 ng

RT: 17.127 min Scan# 2523

Delta R.T. -0.035 min

Lab File: BF128051.D

Acq: 03 May 2022 17:46

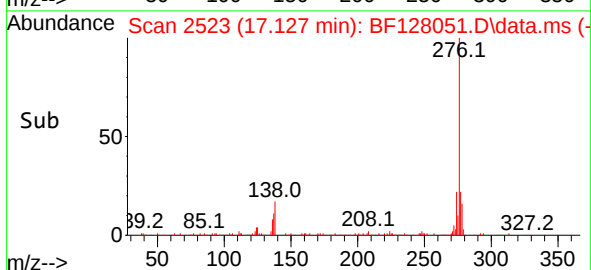
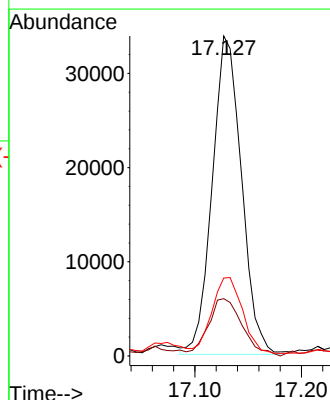
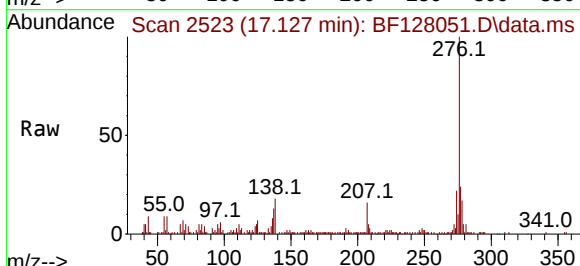
Tgt Ion:276 Resp: 64498

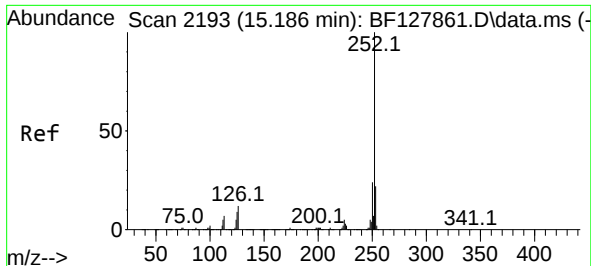
Ion Ratio Lower Upper

276 100

138 20.9 19.0 28.4

277 24.7 20.1 30.1

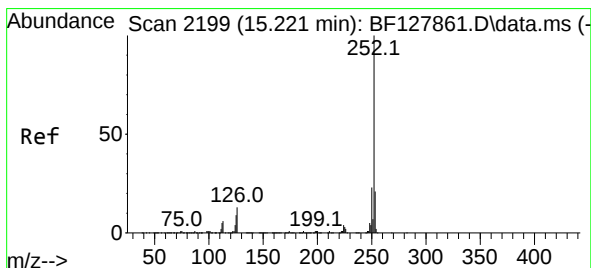
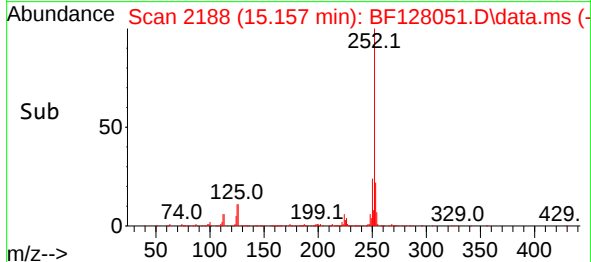
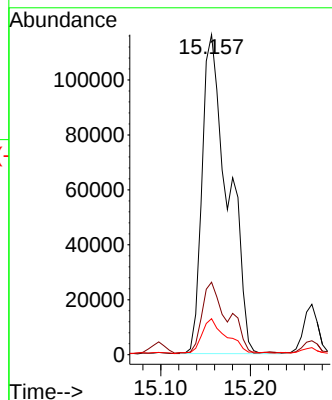
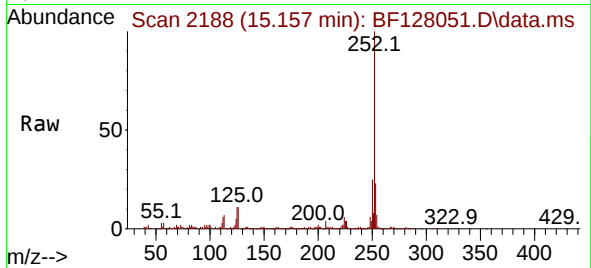




#88
Benzo(b)fluoranthene
Concen: 17.479 ng
RT: 15.157 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

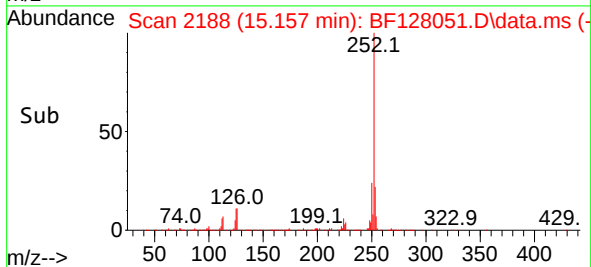
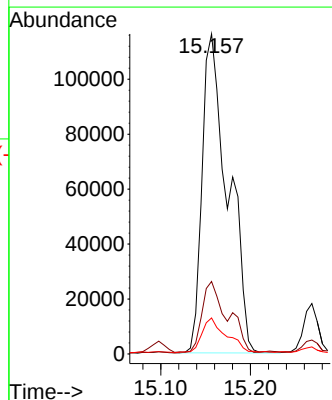
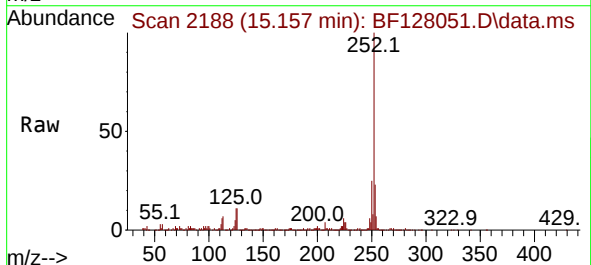
Instrument :
BNA_F
ClientSampleId :
357

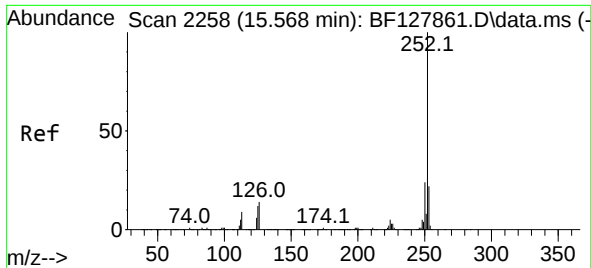
Tgt Ion:252 Resp: 232793
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 11.3 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 17.350 ng
RT: 15.157 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

Tgt Ion:252 Resp: 232793
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.4
125 11.3 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 10.422 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF128051.D

Acq: 03 May 2022 17:46

Instrument :

BNA_F

ClientSampleId :

357

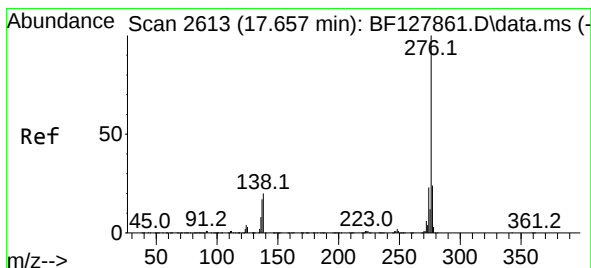
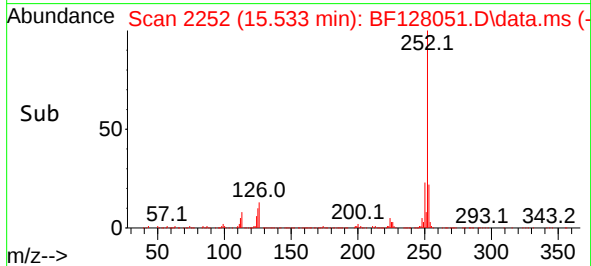
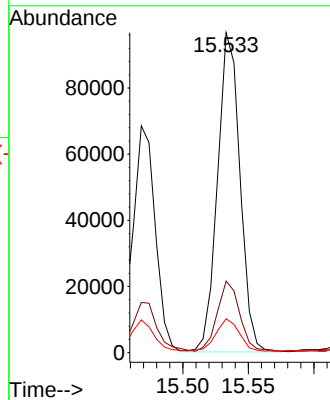
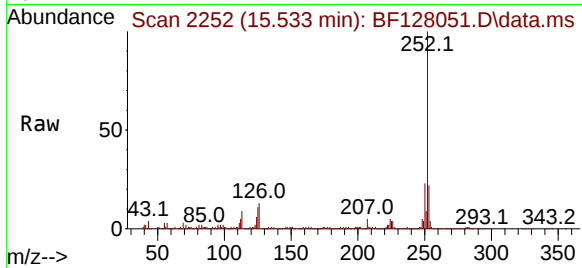
Tgt Ion:252 Resp: 115139

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 10.6 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 4.897 ng

RT: 17.592 min Scan# 2602

Delta R.T. -0.041 min

Lab File: BF128051.D

Acq: 03 May 2022 17:46

Tgt Ion:276 Resp: 58581

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 19.9 16.2 24.2

