

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061522\
 Data File : BF128827.D
 Acq On : 15 Jun 2022 15:33
 Operator : CG\JU
 Sample : N3340-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-2

Quant Time: Jun 15 16:47:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

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

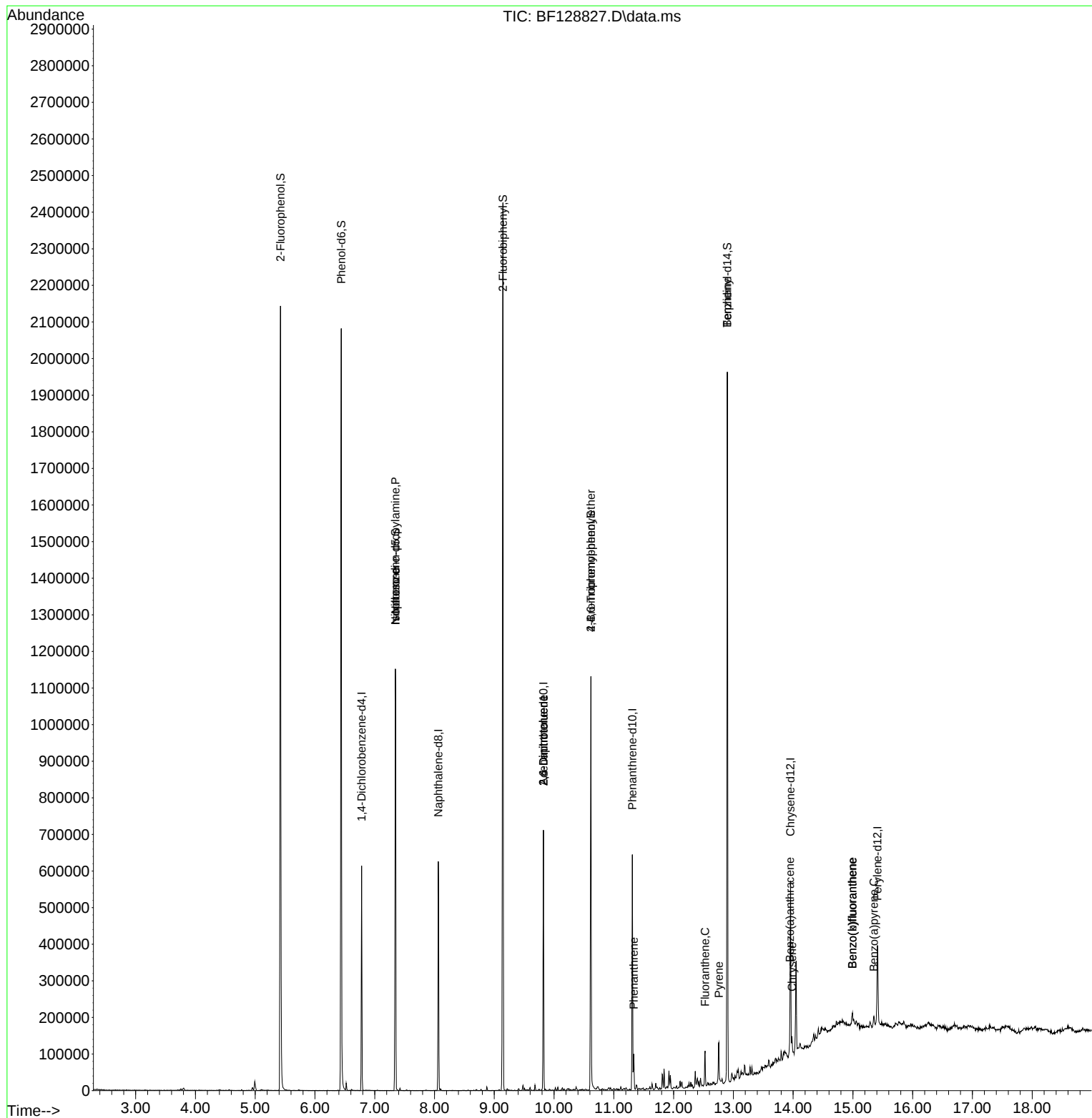
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	73446	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	257561	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	130920	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	212993	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	148632	20.000	ng	# 0.00
86) Perylene-d12	15.410	264	106543	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	528118	114.534	ng	0.00
7) Phenol-d6	6.440	99	595578	105.814	ng	0.00
23) Nitrobenzene-d5	7.345	82	370603	66.993	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	128304	82.943	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	705661	75.503	ng	0.00
79) Terphenyl-d14	12.898	244	645157	75.424	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	53494	15.286	ng	# 73
25) Isophorone	7.345	82	370598	44.109	ng	# 65
51) 2,6-Dinitrotoluene	9.822	165	16742	9.466	ng	# 26
57) 2,4-Dinitrotoluene	9.822	165	16742	7.093	ng	# 22
67) 4-Bromophenyl-phenylether	10.616	248	8092	3.407	ng	# 1
71) Phenanthrene	11.333	178	32112	3.006	ng	99
75) Fluoranthene	12.527	202	35025	3.136	ng	96
77) Benzidine	12.898	184	9125	3.080	ng	# 90
78) Pyrene	12.757	202	49682	4.493	ng	99
81) Benzo(a)anthracene	13.945	228	19919	2.150	ng	92
83) Chrysene	13.980	228	19304	2.185	ng	96
88) Benzo(b)fluoranthene	14.992	252	20664	3.035	ng	# 84
89) Benzo(k)fluoranthene	14.992	252	20664	3.227	ng	# 85
90) Benzo(a)pyrene	15.351	252	11661	2.179	ng	94

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

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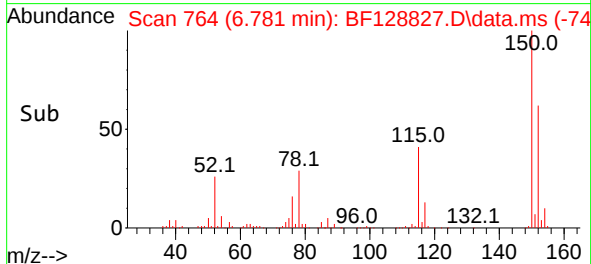
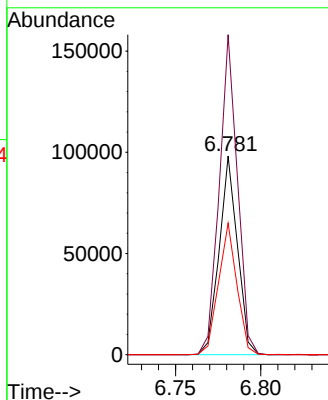
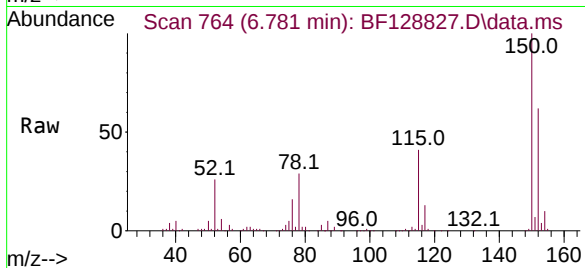




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF128827.D
Acq: 15 Jun 2022 15:33

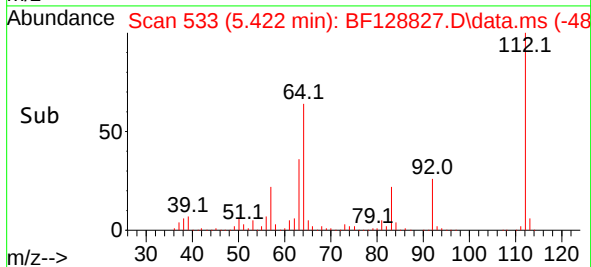
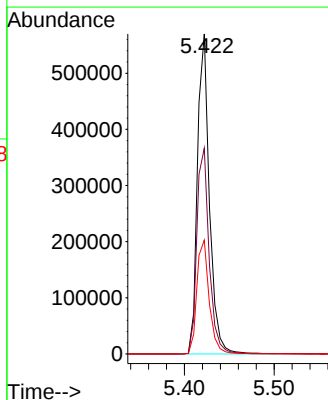
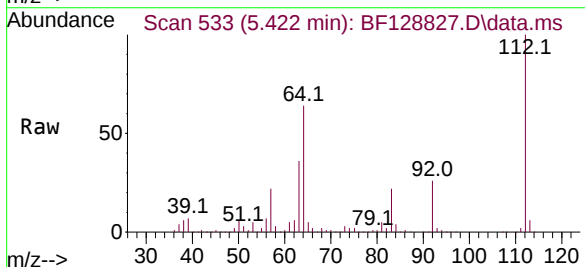
Instrument :
BNA_F
ClientSampleId :
CS-2

Tgt Ion:152 Resp: 73446
Ion Ratio Lower Upper
152 100
150 161.2 123.7 185.5
115 66.2 49.9 74.9



#5
2-Fluorophenol
Concen: 114.534 ng
RT: 5.422 min Scan# 533
Delta R.T. 0.006 min
Lab File: BF128827.D
Acq: 15 Jun 2022 15:33

Tgt Ion:112 Resp: 528118
Ion Ratio Lower Upper
112 100
64 64.3 53.3 79.9
63 35.6 28.0 42.0

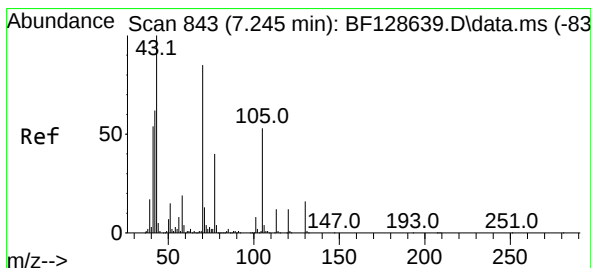
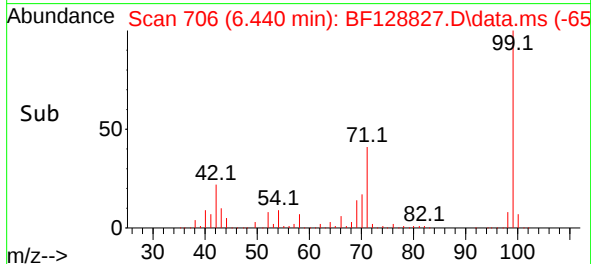
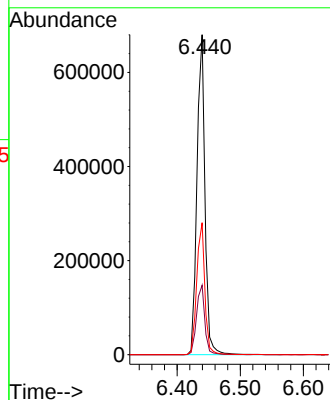
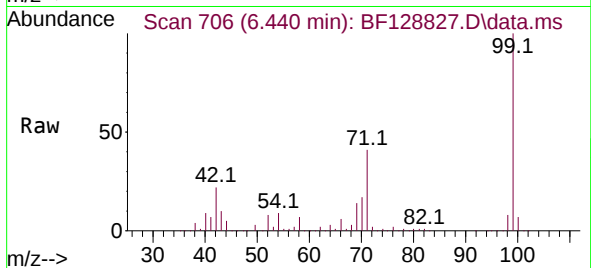




#7
Phenol-d6
Concen: 105.814 ng
RT: 6.440 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF128827.D
Acq: 15 Jun 2022 15:33

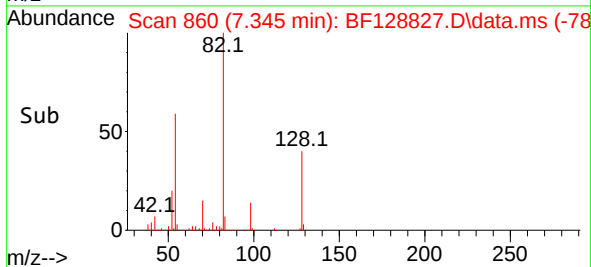
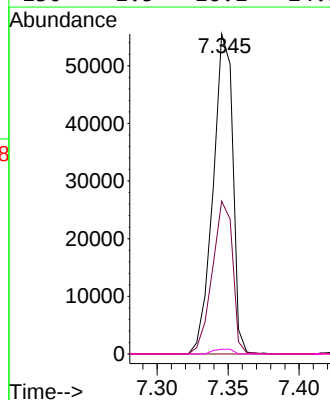
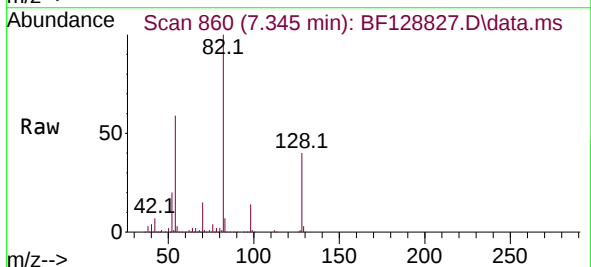
Instrument :
BNA_F
ClientSampleId :
CS-2

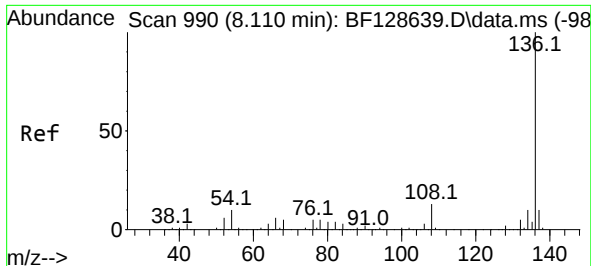
Tgt Ion: 99 Resp: 595578
Ion Ratio Lower Upper
99 100
42 21.7 17.3 25.9
71 41.3 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.286 ng
RT: 7.345 min Scan# 860
Delta R.T. 0.141 min
Lab File: BF128827.D
Acq: 15 Jun 2022 15:33

Tgt Ion: 70 Resp: 53494
Ion Ratio Lower Upper
70 100
42 47.7 52.3 78.5#
101 0.0 7.5 11.3#
130 1.5 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF128827.D

Acq: 15 Jun 2022 15:33

Instrument :

BNA_F

ClientSampleId :

CS-2

Tgt Ion:136 Resp: 257561

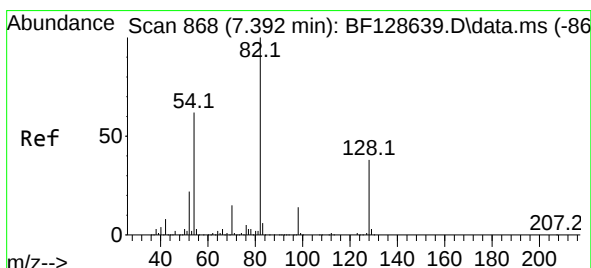
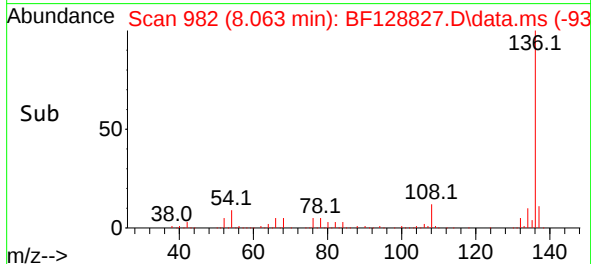
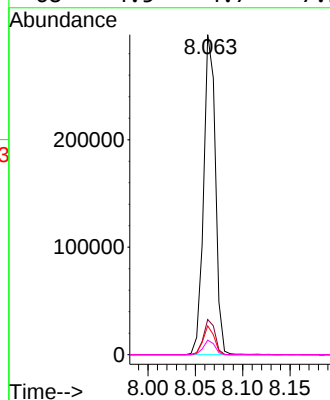
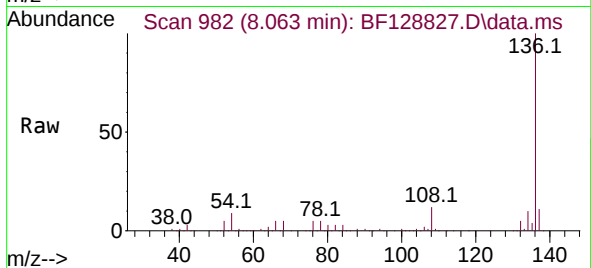
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.0 7.5 11.3

68 4.5 4.7 7.1#



#23

Nitrobenzene-d5

Concen: 66.993 ng

RT: 7.345 min Scan# 860

Delta R.T. -0.006 min

Lab File: BF128827.D

Acq: 15 Jun 2022 15:33

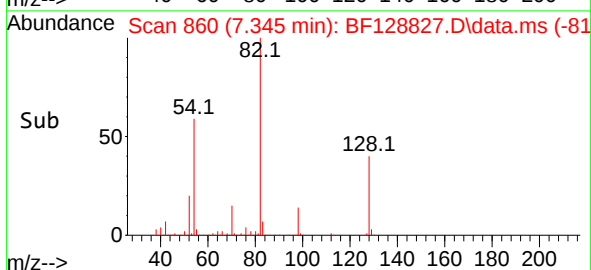
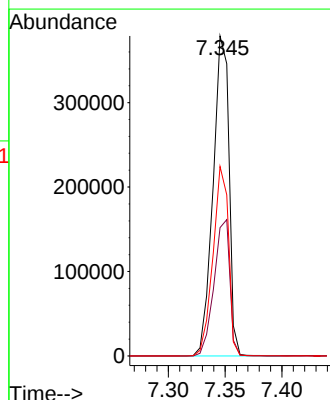
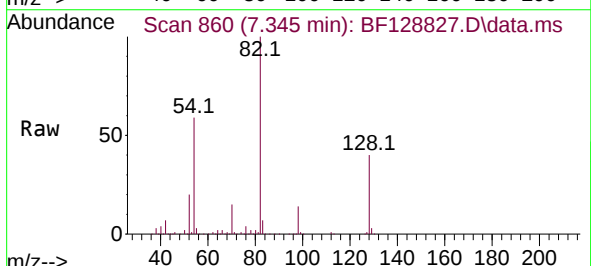
Tgt Ion: 82 Resp: 370603

Ion Ratio Lower Upper

82 100

128 40.1 34.0 51.0

54 59.2 46.9 70.3

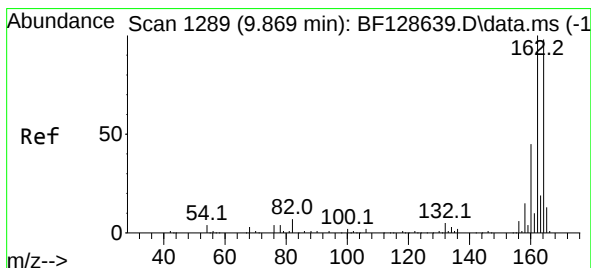
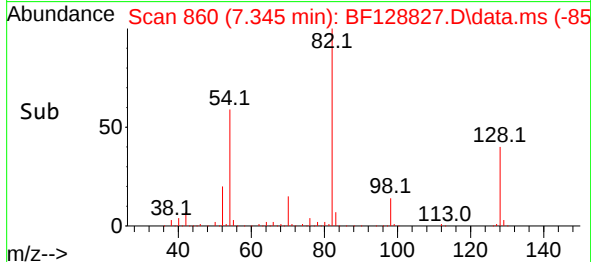
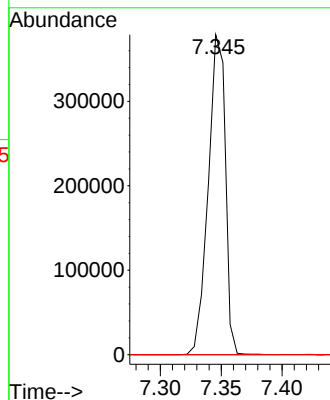
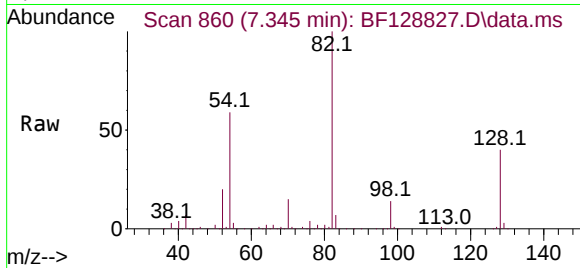




#25
Isophorone
Concen: 44.109 ng
RT: 7.345 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF128827.D
Acq: 15 Jun 2022 15:33

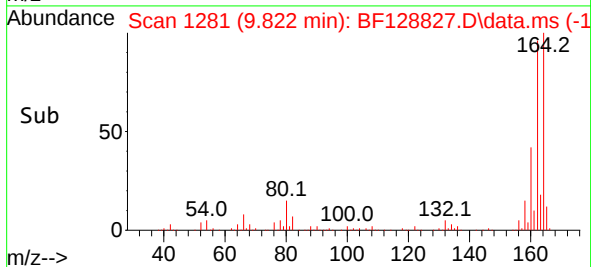
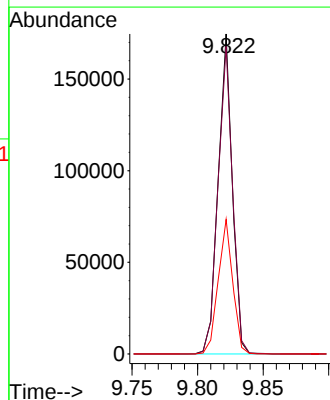
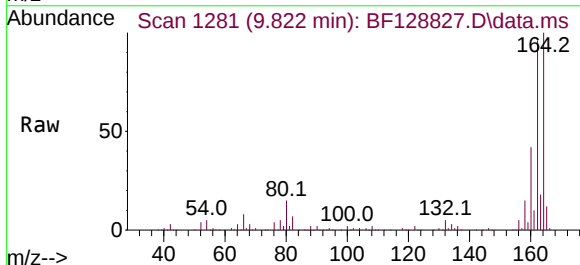
Instrument :
BNA_F
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CS-2

Tgt Ion: 82 Resp: 370598
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF128827.D
Acq: 15 Jun 2022 15:33

Tgt Ion:164 Resp: 130920
Ion Ratio Lower Upper
164 100
162 96.1 79.5 119.3
160 42.0 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 82.943 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF128827.D

Acq: 15 Jun 2022 15:33

Instrument :

BNA_F

ClientSampleId :

CS-2

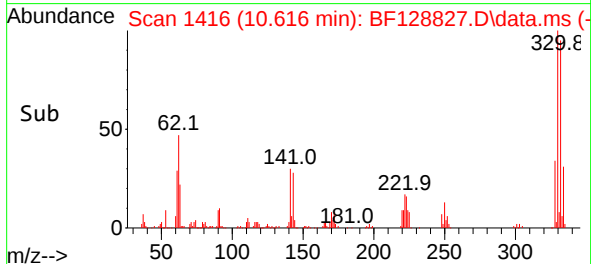
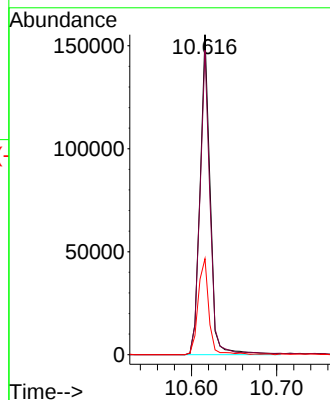
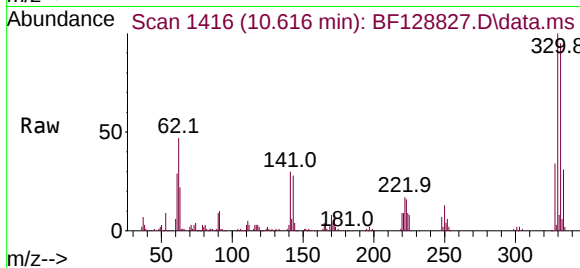
Tgt Ion:330 Resp: 128304

Ion Ratio Lower Upper

330 100

332 93.6 76.8 115.2

141 31.9 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 75.503 ng

RT: 9.145 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF128827.D

Acq: 15 Jun 2022 15:33

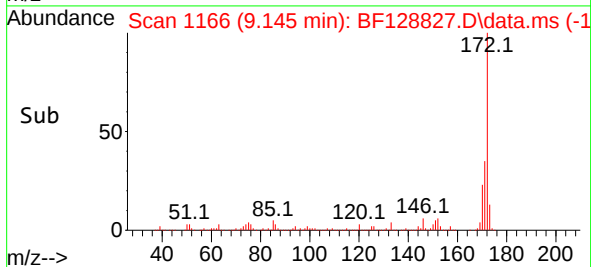
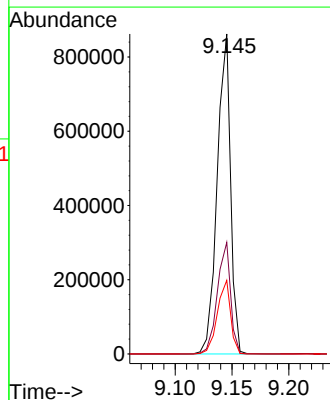
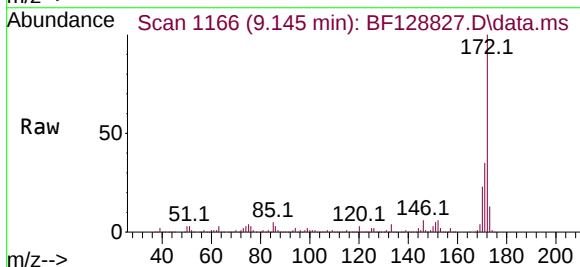
Tgt Ion:172 Resp: 705661

Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 23.0 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 9.466 ng

RT: 9.822 min Scan# 1281

Delta R.T. 0.206 min

Lab File: BF128827.D

Acq: 15 Jun 2022 15:33

Instrument :

BNA_F

ClientSampleId :

CS-2

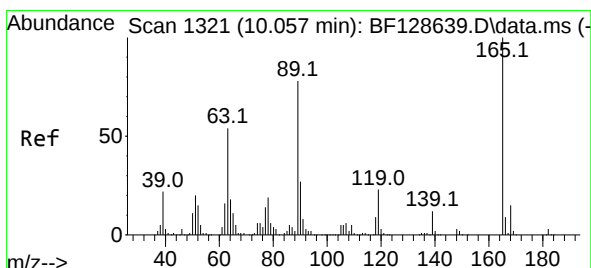
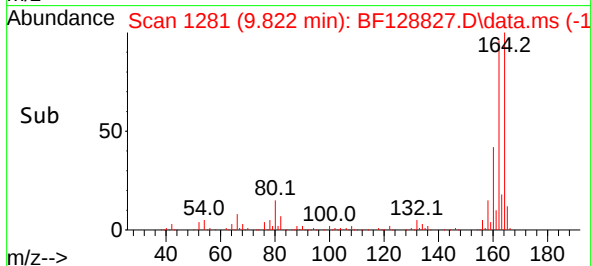
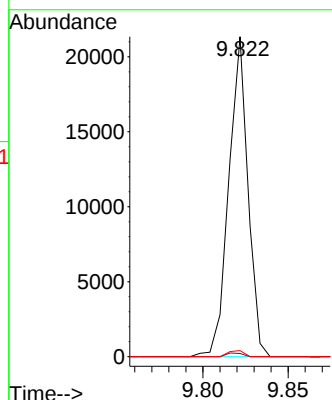
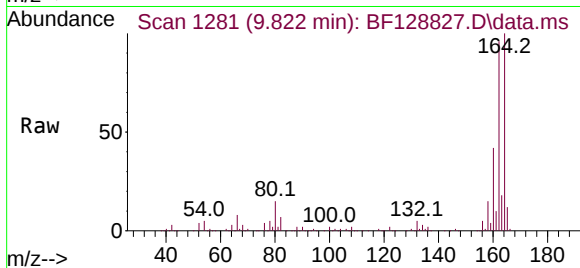
Tgt Ion:165 Resp: 16742

Ion Ratio Lower Upper

165 100

63 1.0 44.9 67.3#

89 1.9 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 7.093 ng

RT: 9.822 min Scan# 1281

Delta R.T. -0.200 min

Lab File: BF128827.D

Acq: 15 Jun 2022 15:33

Tgt Ion:165 Resp: 16742

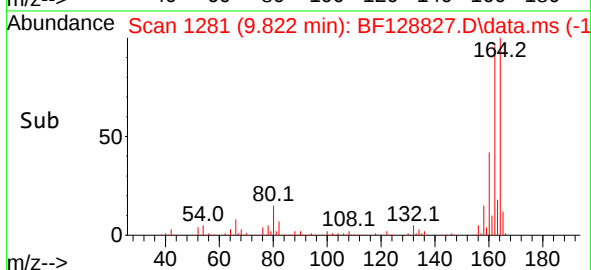
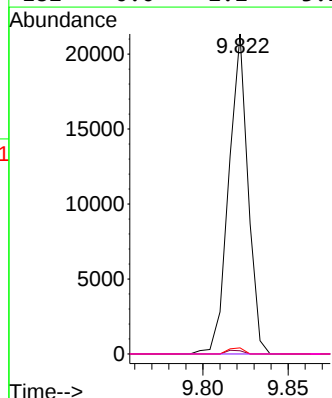
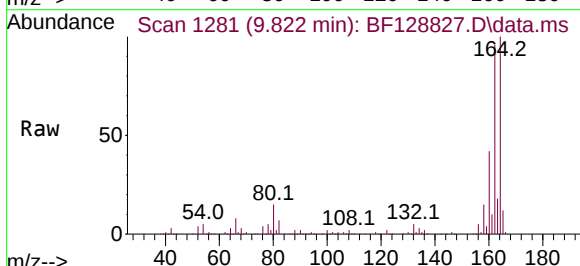
Ion Ratio Lower Upper

165 100

63 1.0 39.8 59.6#

89 1.9 60.2 90.2#

182 0.0 2.2 3.2#

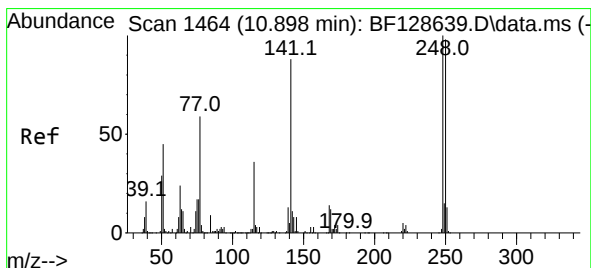
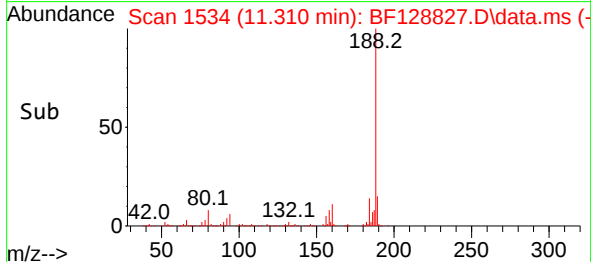
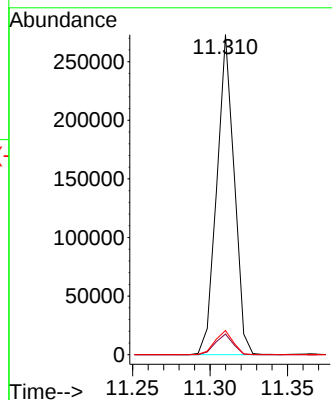
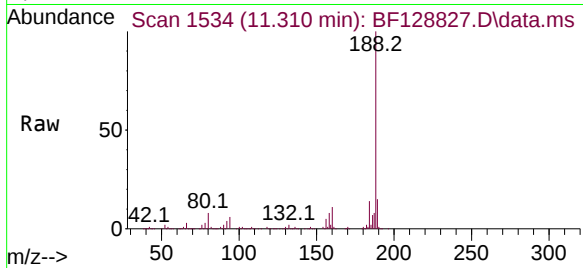




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128827.D
Acq: 15 Jun 2022 15:33

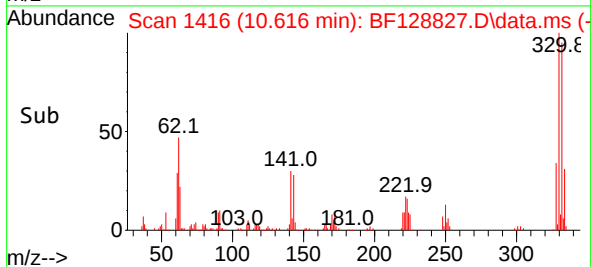
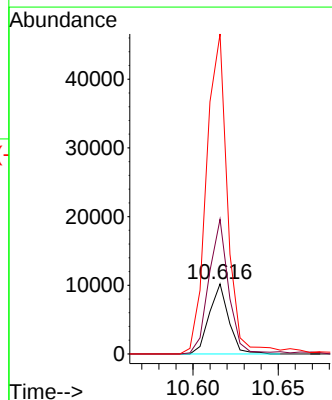
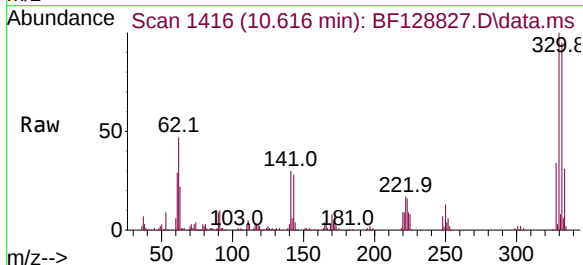
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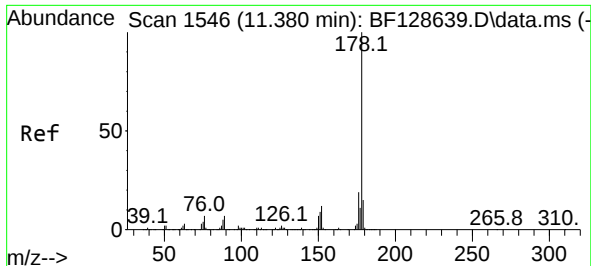
Tgt Ion:188 Resp: 212993
Ion Ratio Lower Upper
188 100
94 6.5 7.0 10.6#
80 7.6 7.6 11.4#



#67
4-Bromophenyl-phenylether
Concen: 3.407 ng
RT: 10.616 min Scan# 1416
Delta R.T. -0.241 min
Lab File: BF128827.D
Acq: 15 Jun 2022 15:33

Tgt Ion:248 Resp: 8092
Ion Ratio Lower Upper
248 100
250 192.1 80.6 120.8#
141 456.4 58.9 88.3#

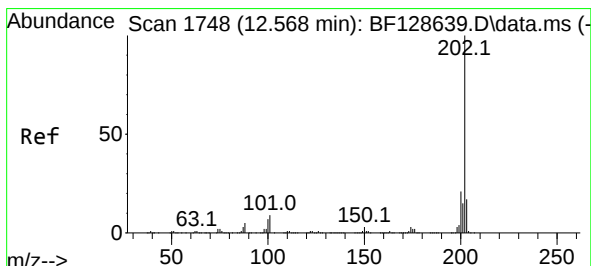
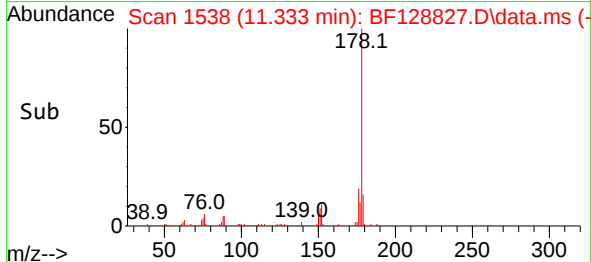
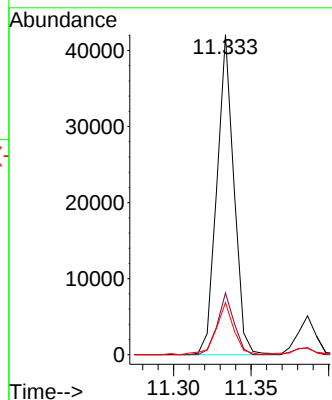
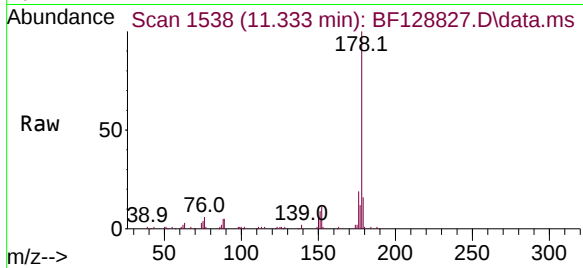




#71
Phenanthrene
Concen: 3.006 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128827.D
Acq: 15 Jun 2022 15:33

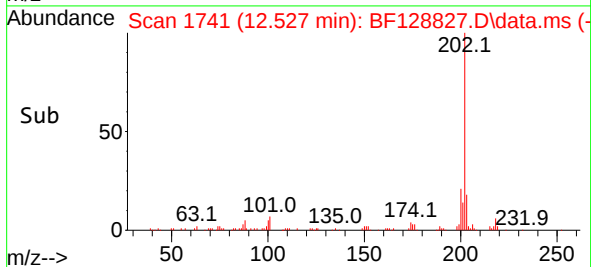
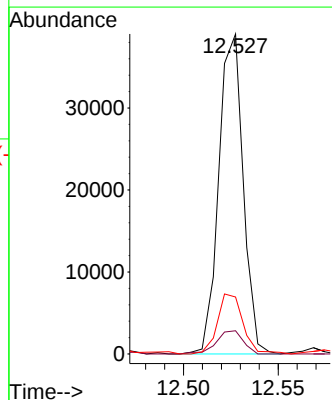
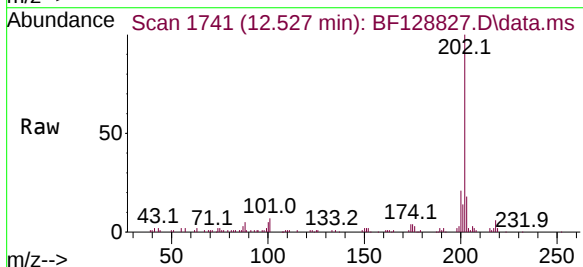
Instrument :
BNA_F
ClientSampleId :
CS-2

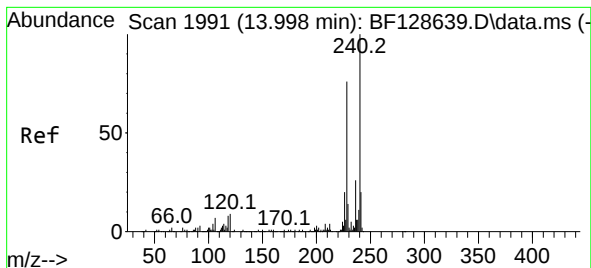
Tgt Ion:178 Resp: 32112
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 16.3 12.6 19.0



#75
Fluoranthene
Concen: 3.136 ng
RT: 12.527 min Scan# 1741
Delta R.T. 0.000 min
Lab File: BF128827.D
Acq: 15 Jun 2022 15:33

Tgt Ion:202 Resp: 35025
Ion Ratio Lower Upper
202 100
101 7.3 0.0 31.4
203 17.8 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF128827.D

Acq: 15 Jun 2022 15:33

Instrument :

BNA_F

ClientSampleId :

CS-2

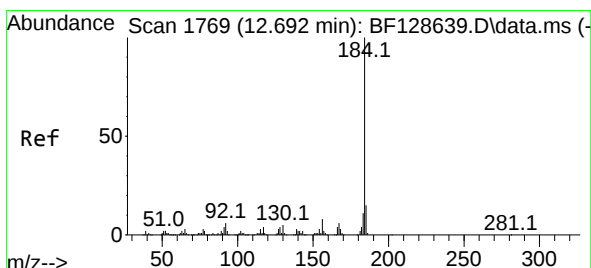
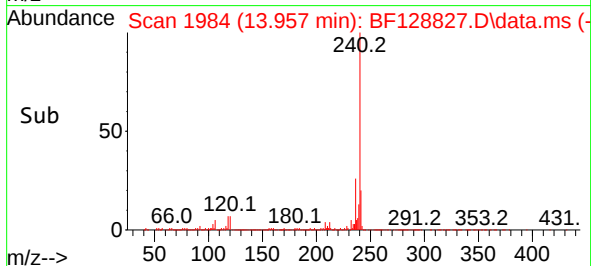
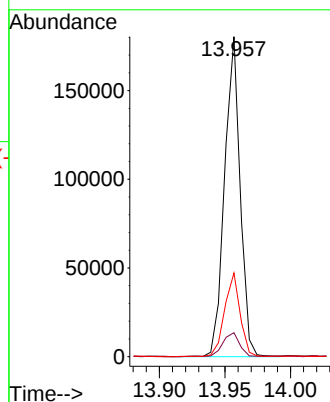
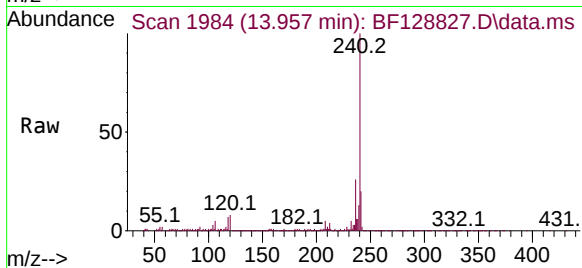
Tgt Ion:240 Resp: 148632

Ion Ratio Lower Upper

240 100

120 7.5 8.9 13.3#

236 26.2 20.8 31.2



#77

Benzidine

Concen: 3.080 ng

RT: 12.898 min Scan# 1804

Delta R.T. 0.247 min

Lab File: BF128827.D

Acq: 15 Jun 2022 15:33

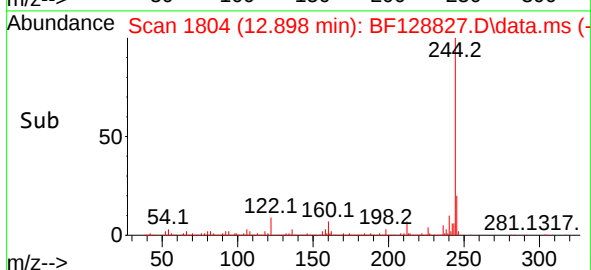
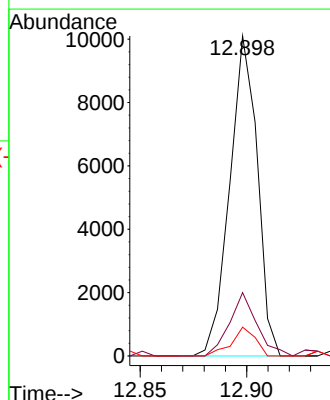
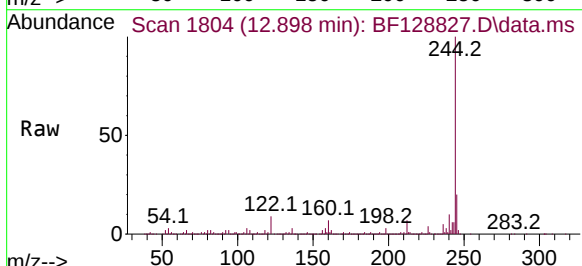
Tgt Ion:184 Resp: 9125

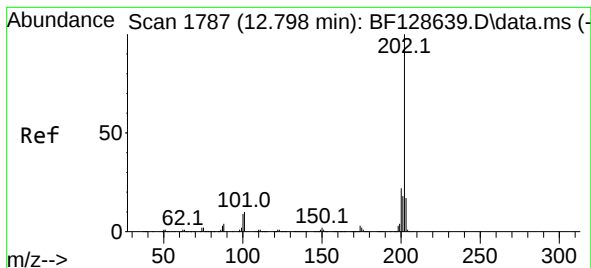
Ion Ratio Lower Upper

184 100

185 19.8 11.9 17.9#

183 9.0 9.3 13.9#





#78

Pyrene

Concen: 4.493 ng

RT: 12.757 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF128827.D

Acq: 15 Jun 2022 15:33

Instrument :

BNA_F

ClientSampleId :

CS-2

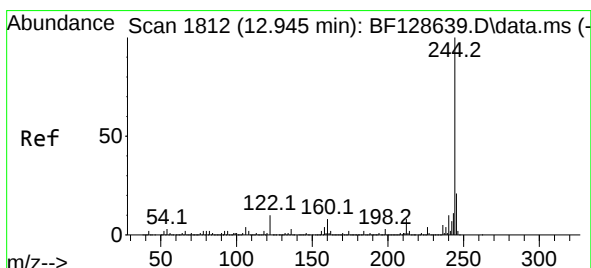
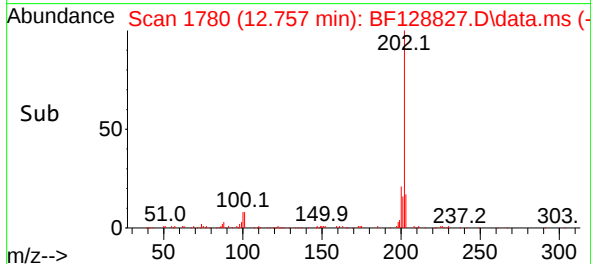
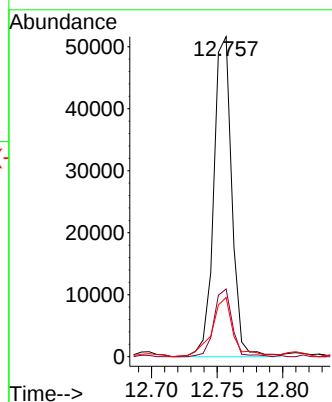
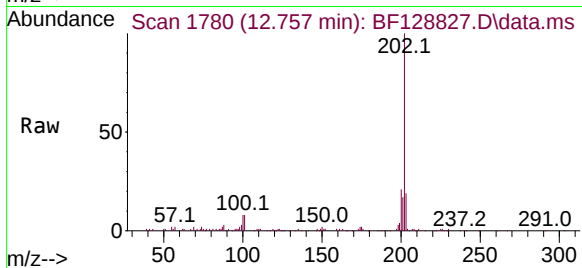
Tgt Ion:202 Resp: 49682

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

203 18.5 14.6 21.8



#79

Terphenyl-d14

Concen: 75.424 ng

RT: 12.898 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF128827.D

Acq: 15 Jun 2022 15:33

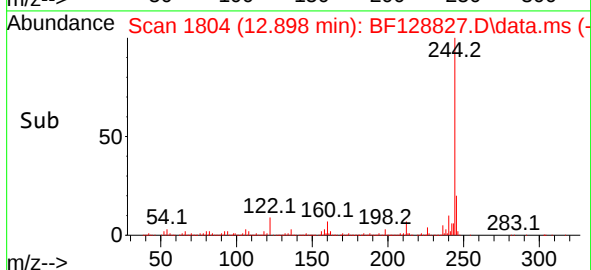
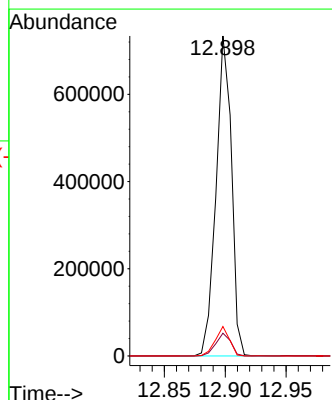
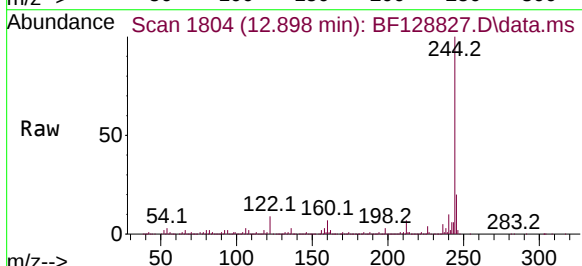
Tgt Ion:244 Resp: 645157

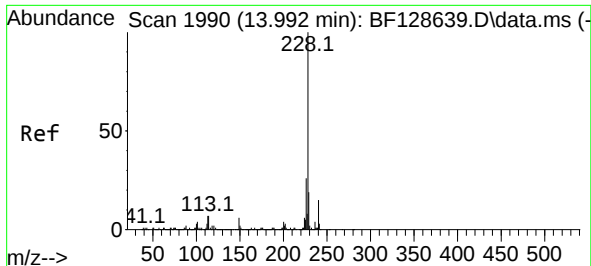
Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 9.2 8.8 13.2

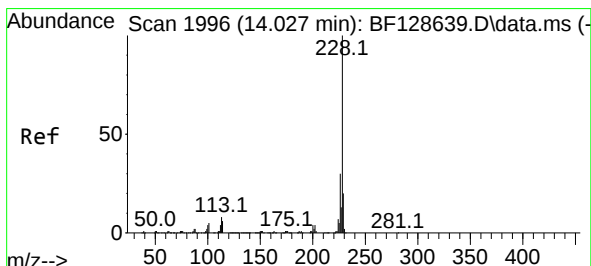
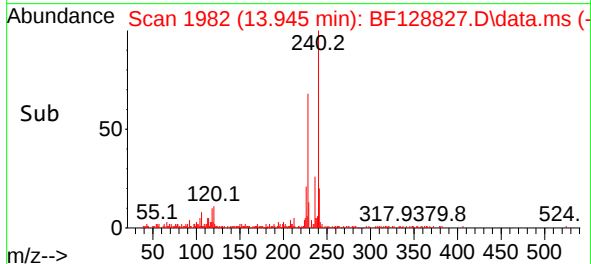
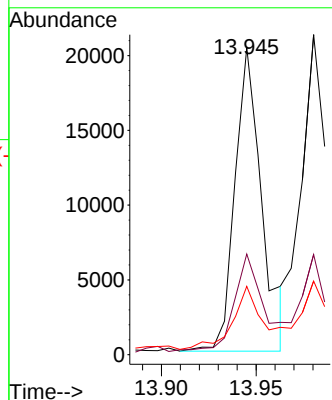
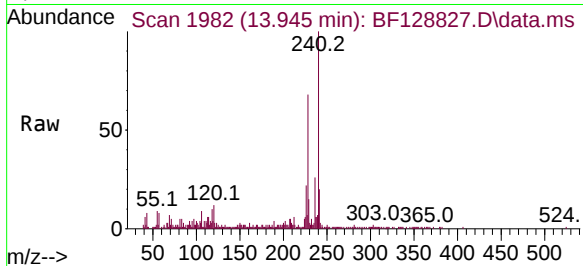




#81
Benzo(a)anthracene
Concen: 2.150 ng
RT: 13.945 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BF128827.D
Acq: 15 Jun 2022 15:33

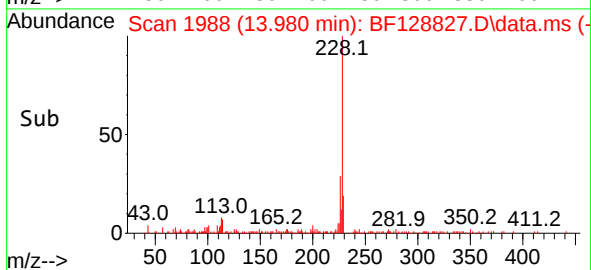
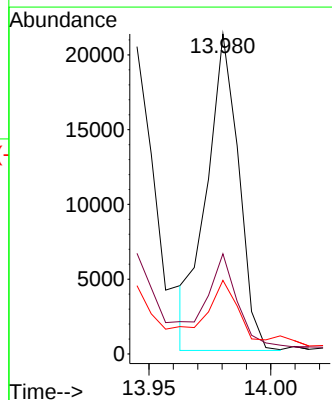
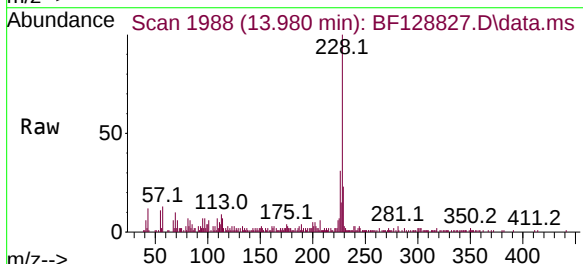
Instrument :
BNA_F
ClientSampleId :
CS-2

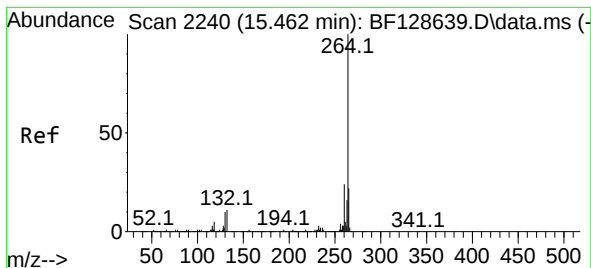
Tgt Ion:228 Resp: 19919
Ion Ratio Lower Upper
228 100
226 32.7 22.1 33.1
229 22.2 15.8 23.8



#83
Chrysene
Concen: 2.185 ng
RT: 13.980 min Scan# 1988
Delta R.T. -0.012 min
Lab File: BF128827.D
Acq: 15 Jun 2022 15:33

Tgt Ion:228 Resp: 19304
Ion Ratio Lower Upper
228 100
226 31.3 24.3 36.5
229 23.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128827.D

Acq: 15 Jun 2022 15:33

Instrument :

BNA_F

ClientSampleId :

CS-2

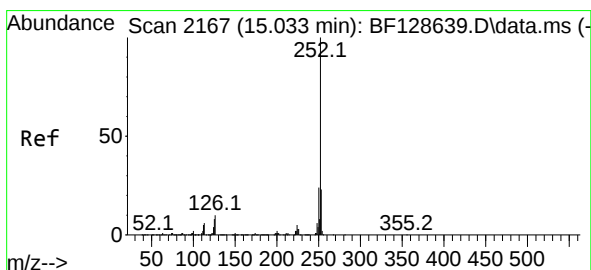
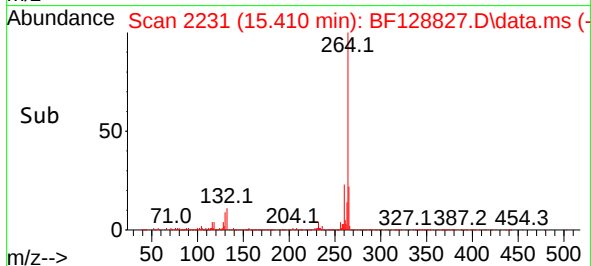
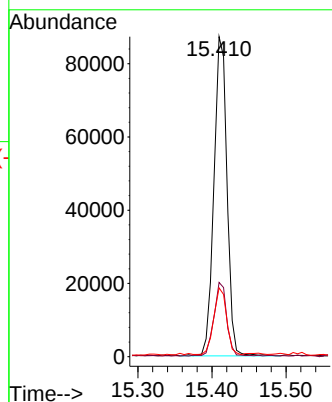
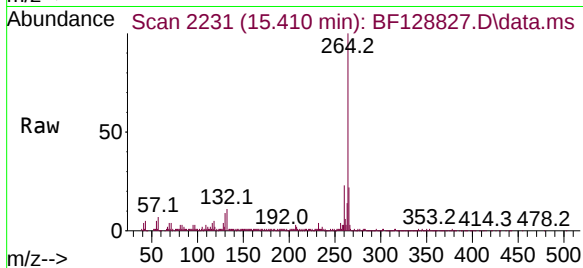
Tgt Ion:264 Resp: 106543

Ion Ratio Lower Upper

264 100

260 23.2 18.4 27.6

265 21.5 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 3.035 ng

RT: 14.992 min Scan# 2160

Delta R.T. 0.000 min

Lab File: BF128827.D

Acq: 15 Jun 2022 15:33

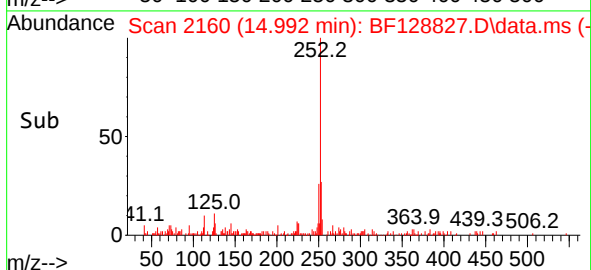
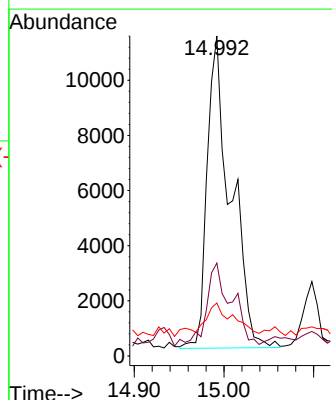
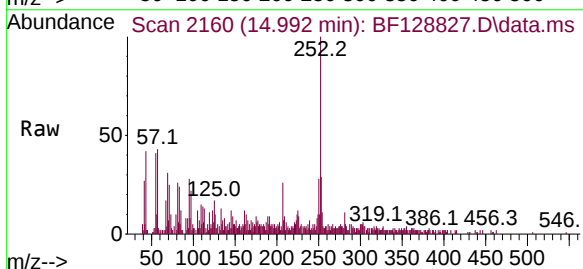
Tgt Ion:252 Resp: 20664

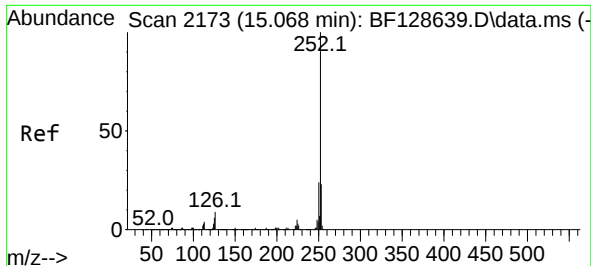
Ion Ratio Lower Upper

252 100

253 29.0 17.7 26.5#

125 16.6 8.0 12.0#

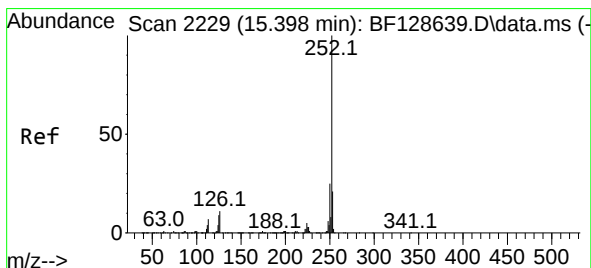
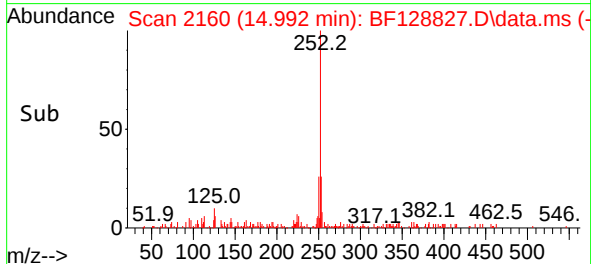
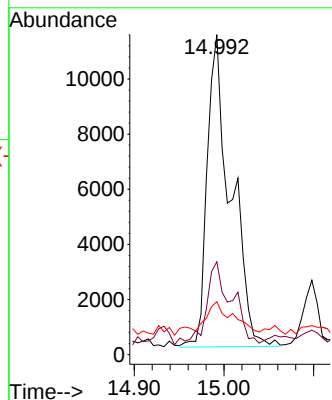
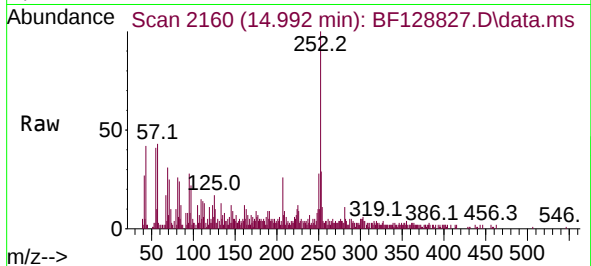




#89
Benzo(k)fluoranthene
Concen: 3.227 ng
RT: 14.992 min Scan# 2173
Delta R.T. -0.035 min
Lab File: BF128827.D
Acq: 15 Jun 2022 15:33

Instrument :
BNA_F
ClientSampleId :
CS-2

Tgt Ion:252 Resp: 20664
Ion Ratio Lower Upper
252 100
253 29.0 17.8 26.6#
125 16.6 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 2.179 ng
RT: 15.351 min Scan# 2221
Delta R.T. -0.006 min
Lab File: BF128827.D
Acq: 15 Jun 2022 15:33

Tgt Ion:252 Resp: 11661
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 13.2 8.8 13.2

