

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061522\
 Data File : BF128828.D
 Acq On : 15 Jun 2022 16:03
 Operator : CG\JU
 Sample : N3340-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-1

Quant Time: Jun 15 16:48:13 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)

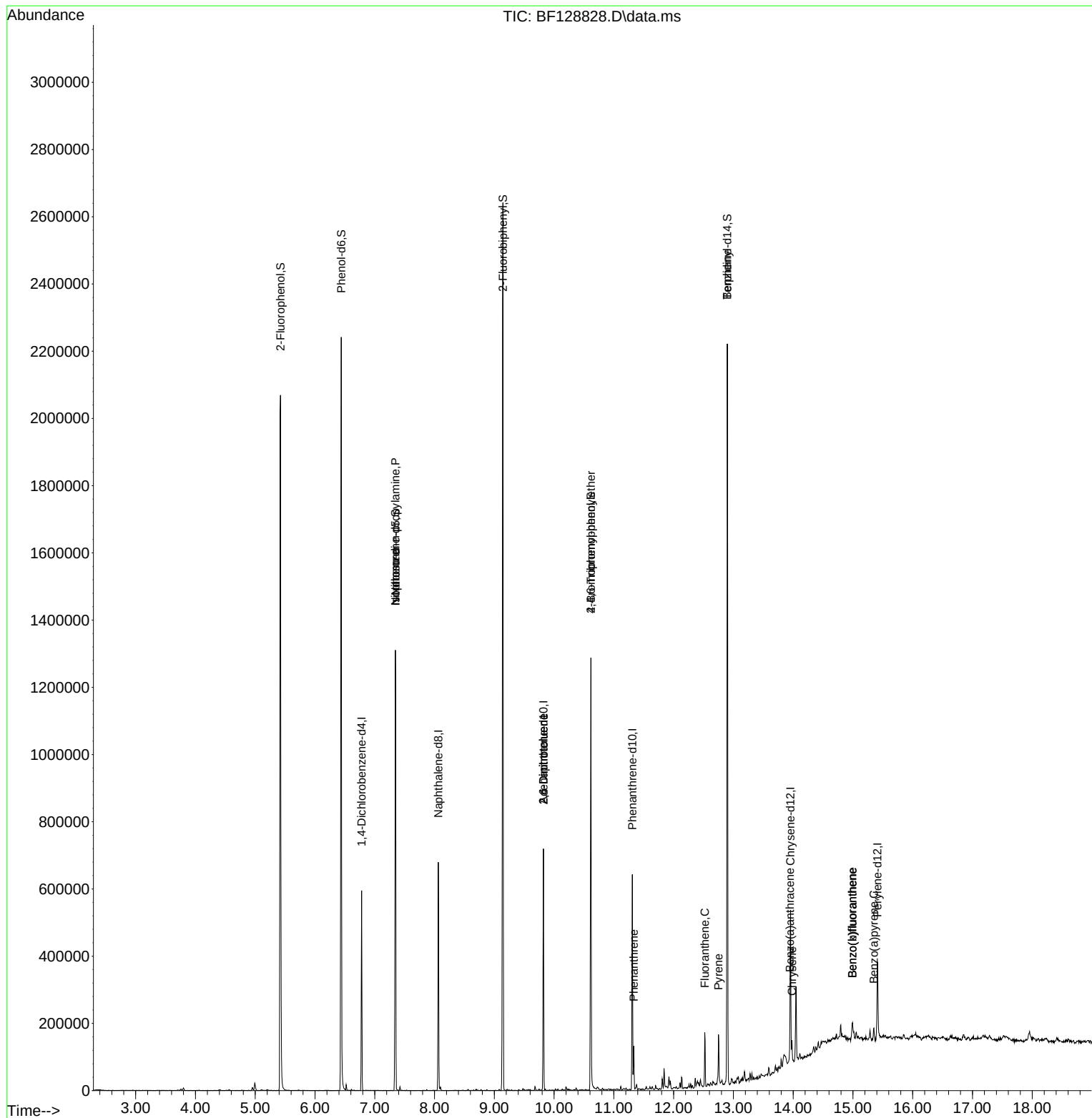
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	72589	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	259663	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	130258	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	213666	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	144007	20.000	ng	# 0.00
86) Perylene-d12	15.410	264	103825	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	537247	117.889	ng	0.00
7) Phenol-d6	6.440	99	619634	111.387	ng	0.00
23) Nitrobenzene-d5	7.345	82	415458	74.493	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	141104	91.682	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	778452	83.715	ng	0.00
79) Terphenyl-d14	12.898	244	736026	88.811	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	58037	16.780	ng	# 79
25) Isophorone	7.345	82	415453	49.048	ng	# 65
51) 2,6-Dinitrotoluene	9.822	165	16495	9.374	ng	# 25
57) 2,4-Dinitrotoluene	9.822	165	16495	7.024	ng	# 21
67) 4-Bromophenyl-phenylether	10.616	248	8697	3.650	ng	# 1
71) Phenanthrene	11.333	178	40485	3.778	ng	99
75) Fluoranthene	12.522	202	60348	5.387	ng	97
77) Benzidine	12.898	184	10759	3.748	ng	# 91
78) Pyrene	12.751	202	59604	5.563	ng	97
81) Benzo(a)anthracene	13.945	228	20679	2.304	ng	94
83) Chrysene	13.980	228	24321	2.842	ng	96
88) Benzo(b)fluoranthene	14.992	252	33403	5.035	ng	99
89) Benzo(k)fluoranthene	14.992	252	33403	5.352	ng	99
90) Benzo(a)pyrene	15.351	252	15590	2.990	ng	# 92

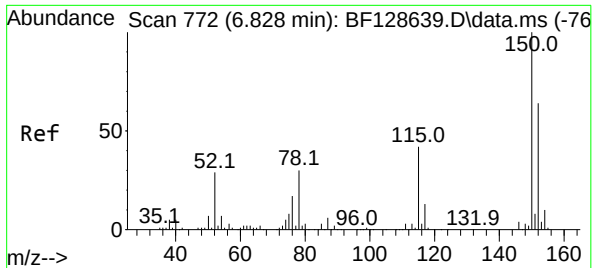
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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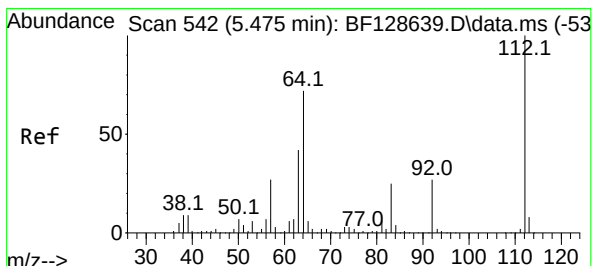
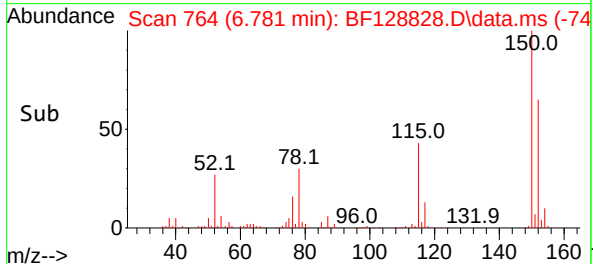
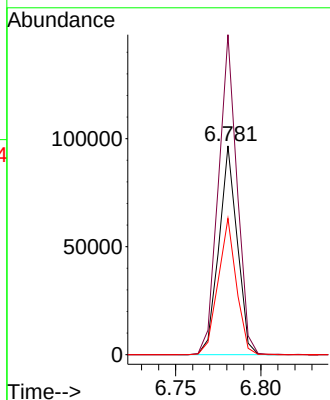
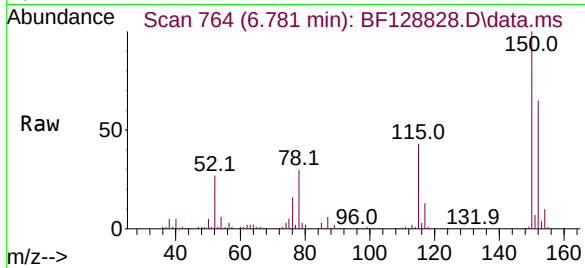




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

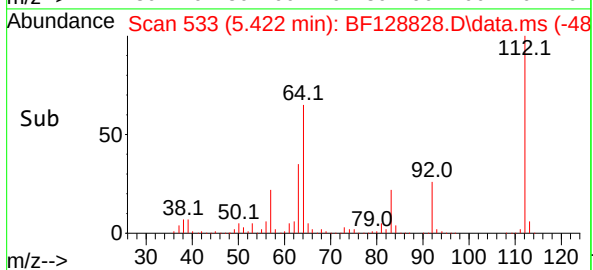
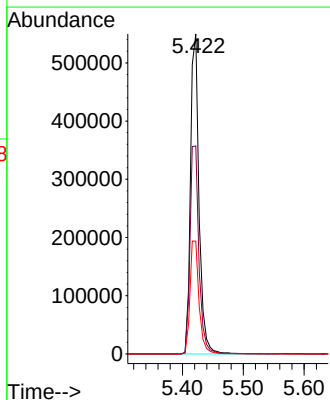
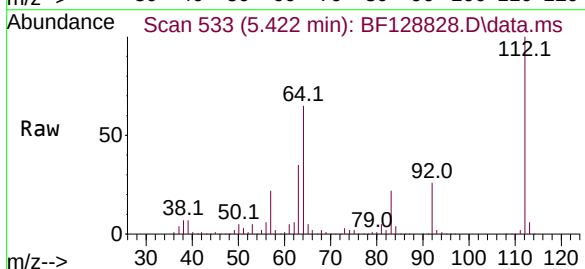
Instrument :
BNA_F
ClientSampleId :
CS-1

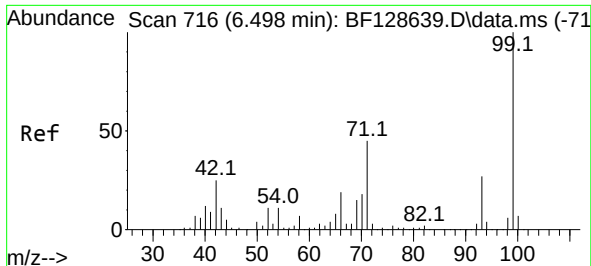
Tgt Ion:152 Resp: 72589
Ion Ratio Lower Upper
152 100
150 153.2 123.7 185.5
115 65.3 49.9 74.9



#5
2-Fluorophenol
Concen: 117.889 ng
RT: 5.422 min Scan# 533
Delta R.T. 0.006 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

Tgt Ion:112 Resp: 537247
Ion Ratio Lower Upper
112 100
64 65.0 53.3 79.9
63 35.3 28.0 42.0

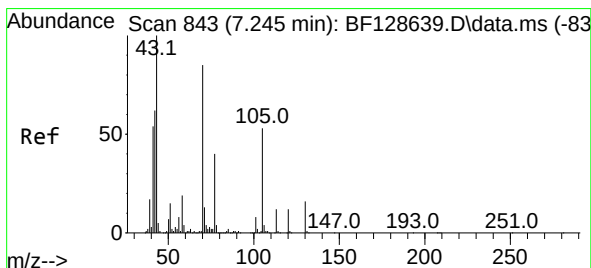
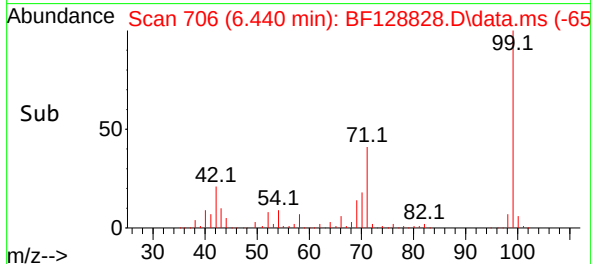
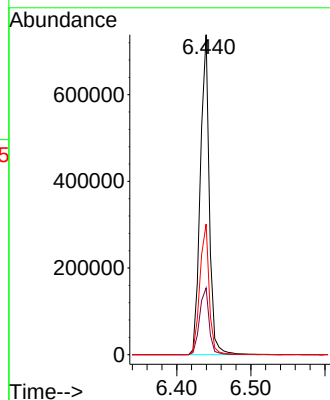
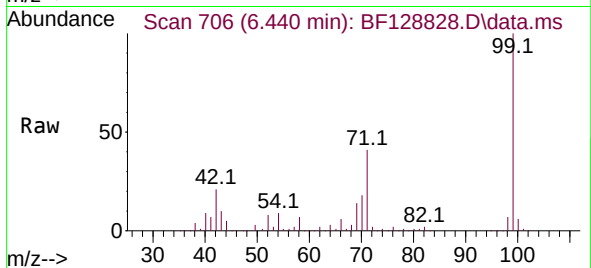




#7
Phenol-d6
Concen: 111.387 ng
RT: 6.440 min Scan# 716
Delta R.T. -0.000 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

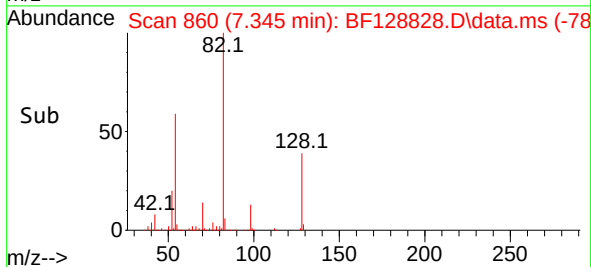
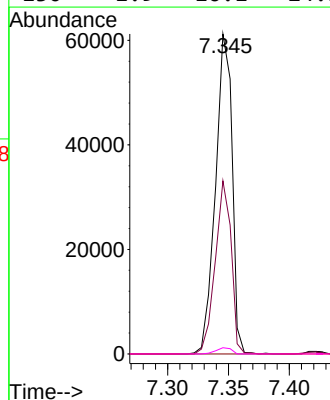
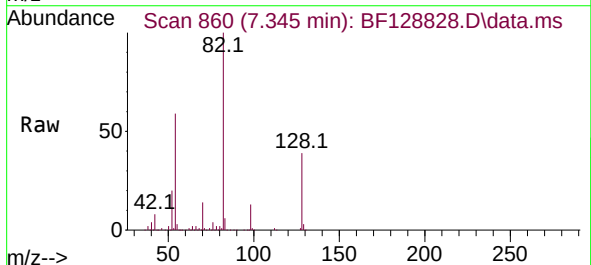
Instrument :
BNA_F
ClientSampleId :
CS-1

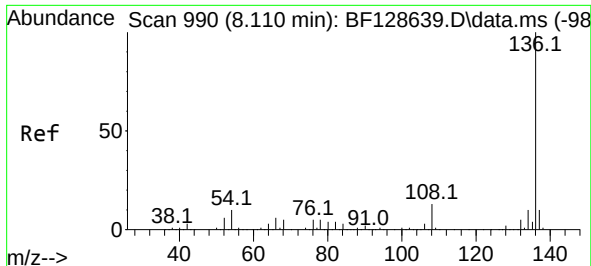
Tgt Ion: 99 Resp: 619634
Ion Ratio Lower Upper
99 100
42 20.8 17.3 25.9
71 40.8 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.780 ng
RT: 7.345 min Scan# 860
Delta R.T. 0.141 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

Tgt Ion: 70 Resp: 58037
Ion Ratio Lower Upper
70 100
42 54.1 52.3 78.5
101 0.0 7.5 11.3#
130 1.9 16.1 24.1#

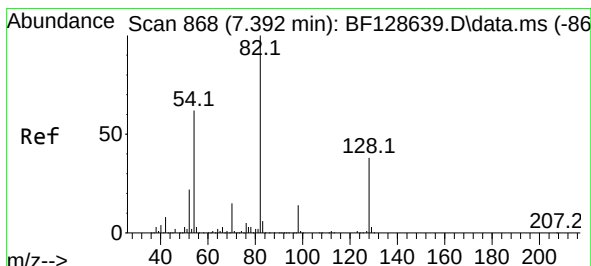
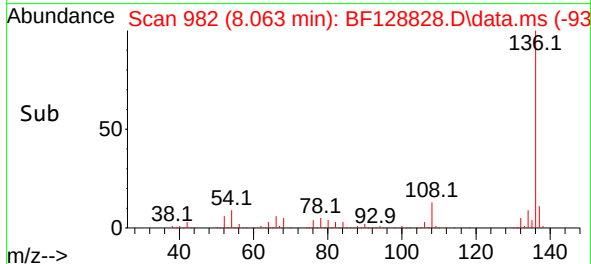
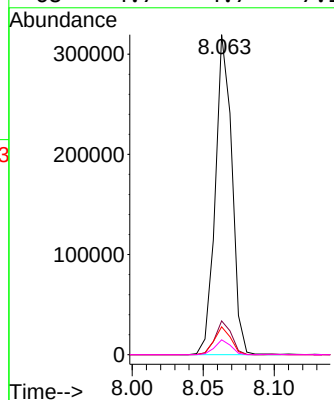
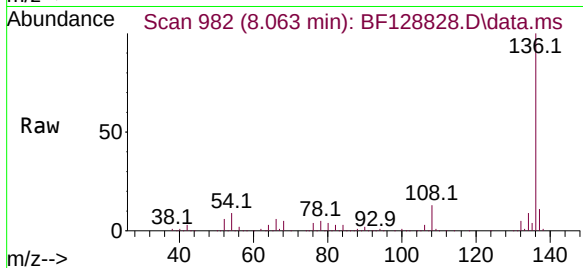




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

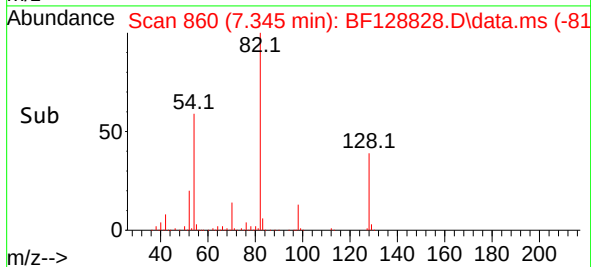
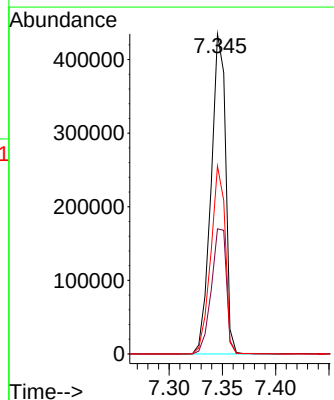
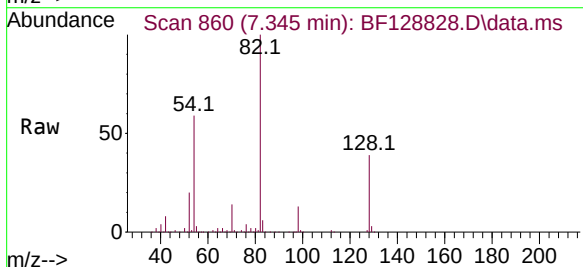
Instrument :
BNA_F
ClientSampleId :
CS-1

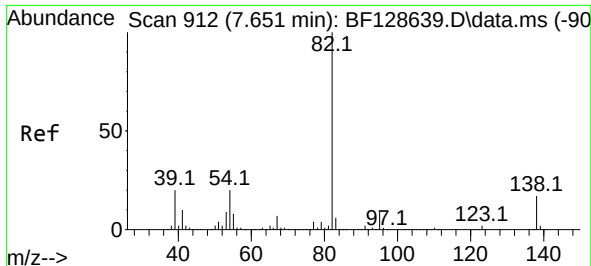
Tgt Ion:136	Resp: 259663
Ion Ratio	Lower Upper
136 100	
137 10.5	8.8 13.2
54 8.7	7.5 11.3
68 4.7	4.7 7.1#



#23
Nitrobenzene-d5
Concen: 74.493 ng
RT: 7.345 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

Tgt Ion: 82	Resp: 415458
Ion Ratio	Lower Upper
82 100	
128 39.1	34.0 51.0
54 58.7	46.9 70.3

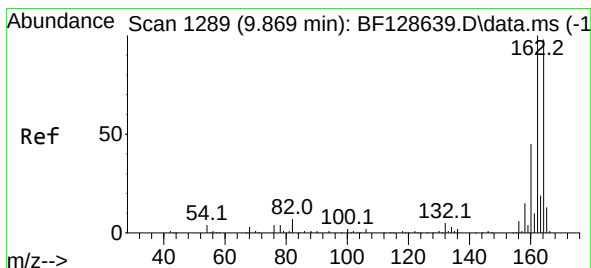
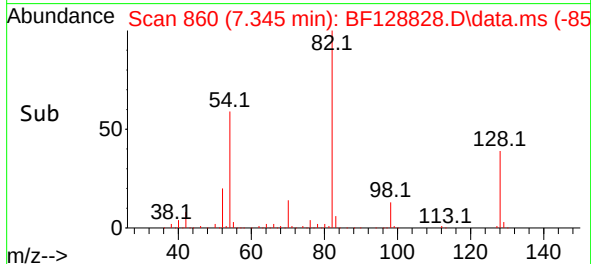
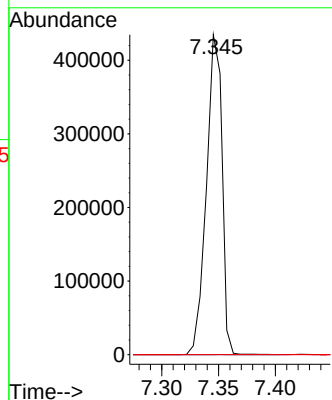
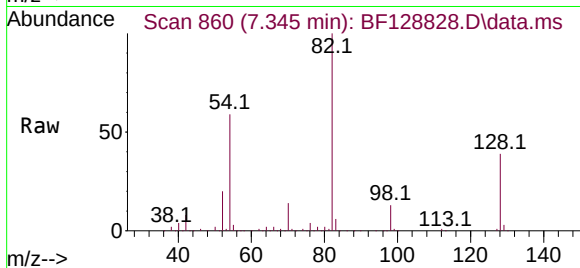




#25
Isophorone
Concen: 49.048 ng
RT: 7.345 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

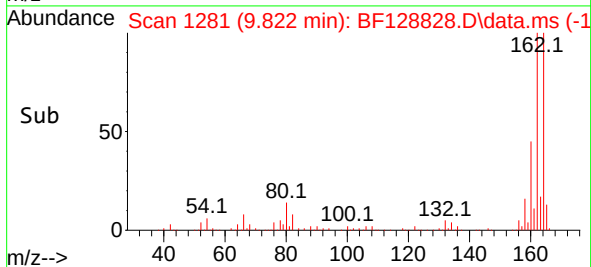
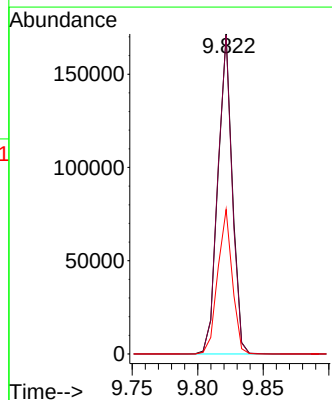
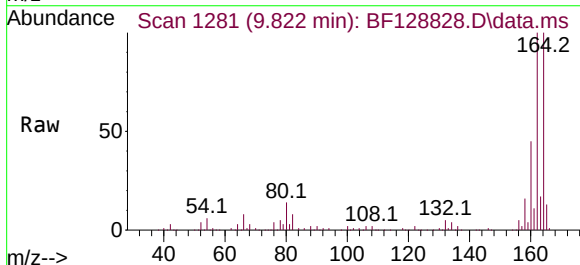
Instrument :
BNA_F
ClientSampleId :
CS-1

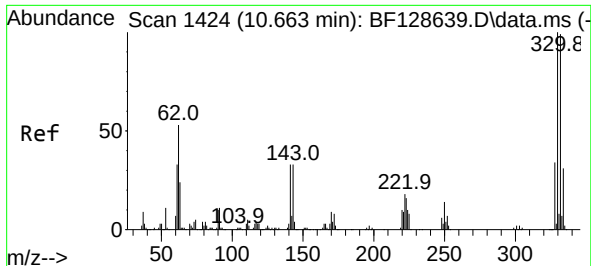
Tgt Ion: 82 Resp: 415453
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

Tgt Ion:164 Resp: 130258
Ion Ratio Lower Upper
164 100
162 99.6 79.5 119.3
160 45.1 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 91.682 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF128828.D

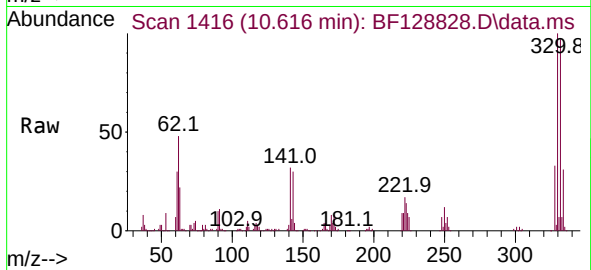
Acq: 15 Jun 2022 16:03

Instrument :

BNA_F

ClientSampleId :

CS-1



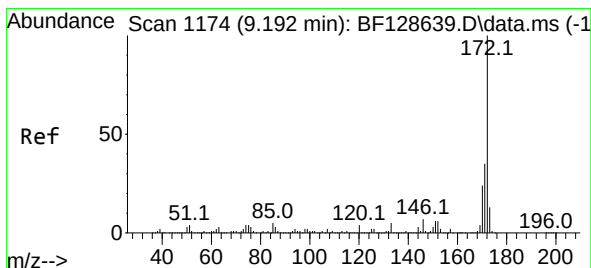
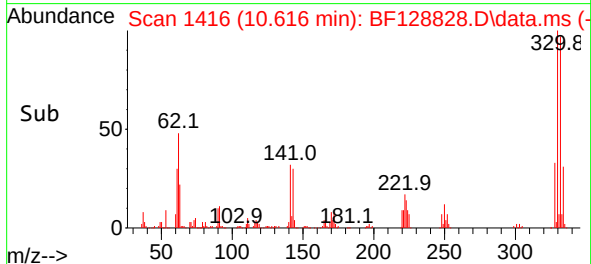
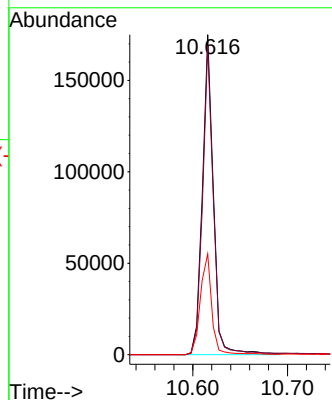
Tgt Ion:330 Resp: 141104

Ion Ratio Lower Upper

330 100

332 95.7 76.8 115.2

141 32.9 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 83.715 ng

RT: 9.145 min Scan# 1166

Delta R.T. -0.000 min

Lab File: BF128828.D

Acq: 15 Jun 2022 16:03

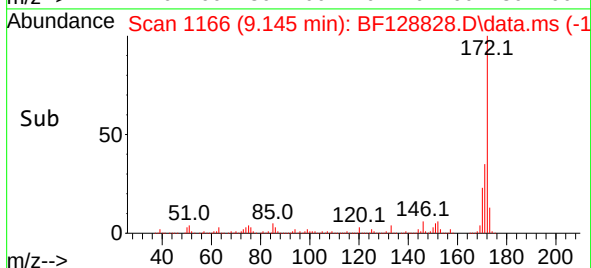
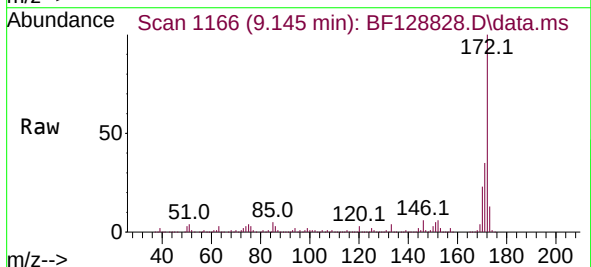
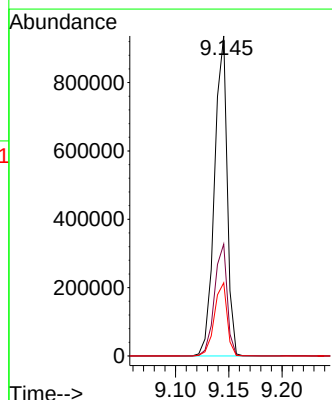
Tgt Ion:172 Resp: 778452

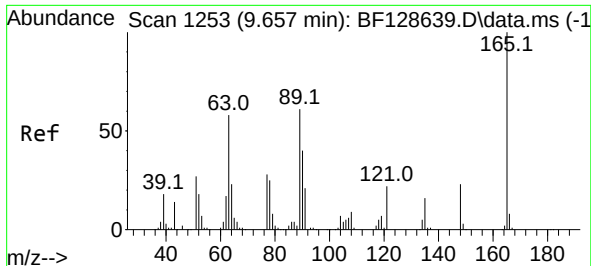
Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 22.8 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 9.374 ng

RT: 9.822 min Scan# 1281

Delta R.T. 0.206 min

Lab File: BF128828.D

Acq: 15 Jun 2022 16:03

Instrument :

BNA_F

ClientSampleId :

CS-1

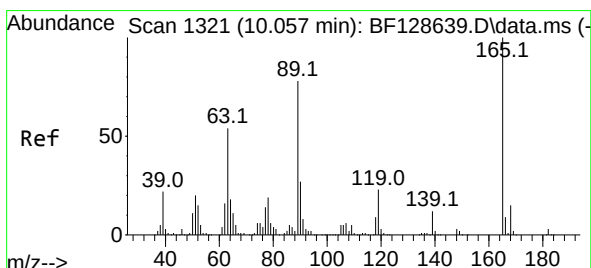
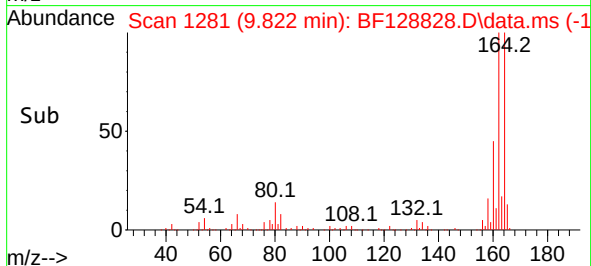
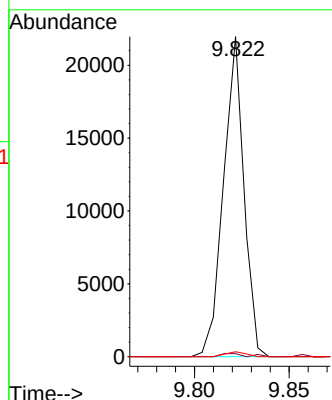
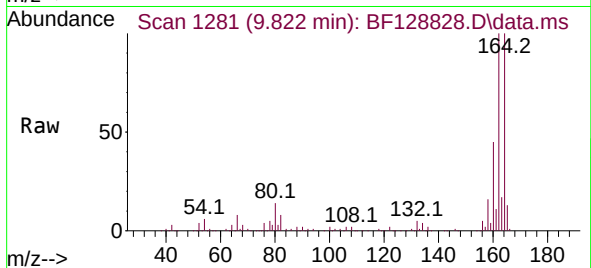
Tgt Ion:165 Resp: 16495

Ion Ratio Lower Upper

165 100

63 1.0 44.9 67.3#

89 1.5 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 7.024 ng

RT: 9.822 min Scan# 1281

Delta R.T. -0.200 min

Lab File: BF128828.D

Acq: 15 Jun 2022 16:03

Tgt Ion:165 Resp: 16495

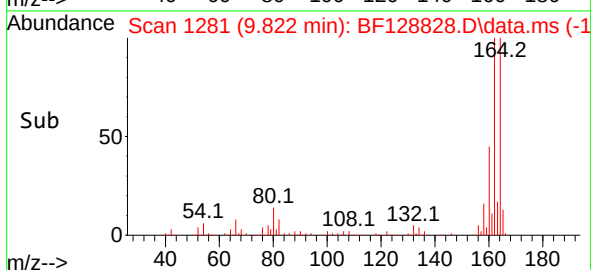
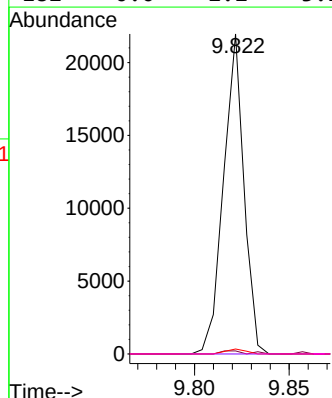
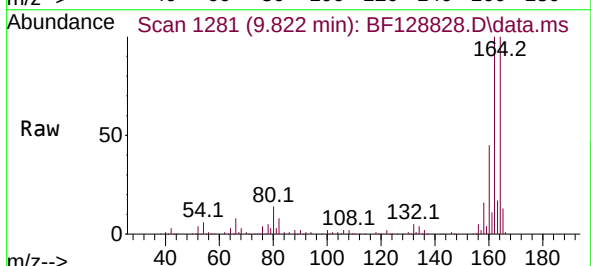
Ion Ratio Lower Upper

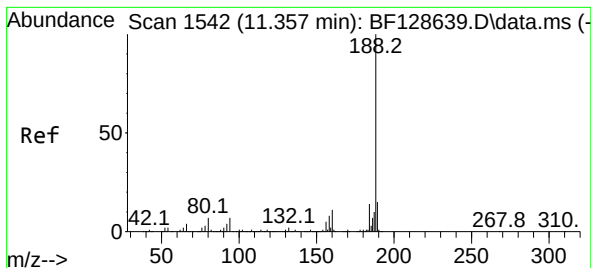
165 100

63 1.0 39.8 59.6#

89 1.5 60.2 90.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128828.D

Acq: 15 Jun 2022 16:03

Instrument :

BNA_F

ClientSampleId :

CS-1

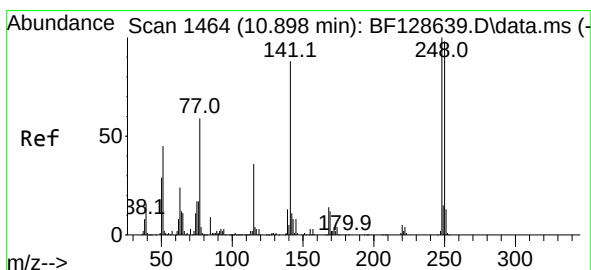
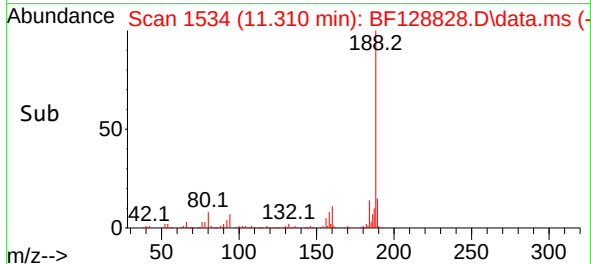
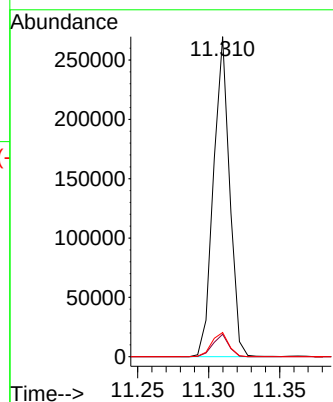
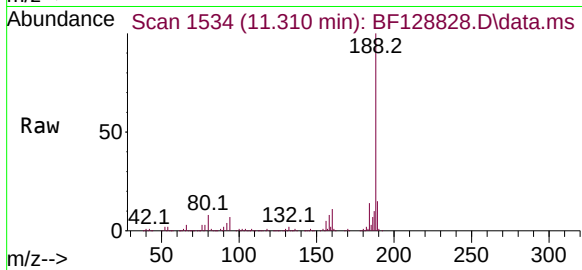
Tgt Ion:188 Resp: 213666

Ion Ratio Lower Upper

188 100

94 7.0 7.0 10.6#

80 7.5 7.6 11.4#



#67

4-Bromophenyl-phenylether

Concen: 3.650 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.241 min

Lab File: BF128828.D

Acq: 15 Jun 2022 16:03

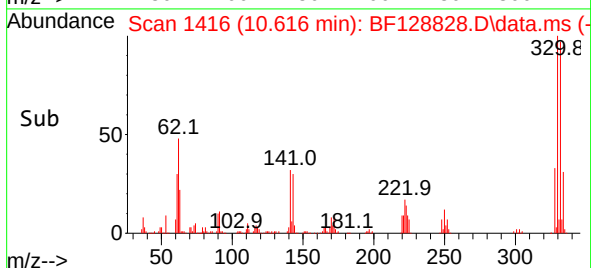
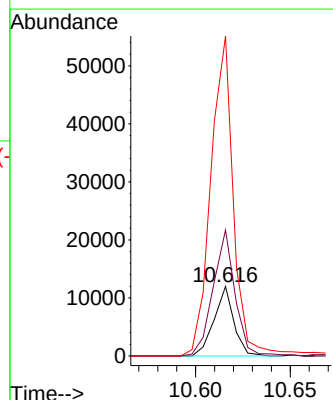
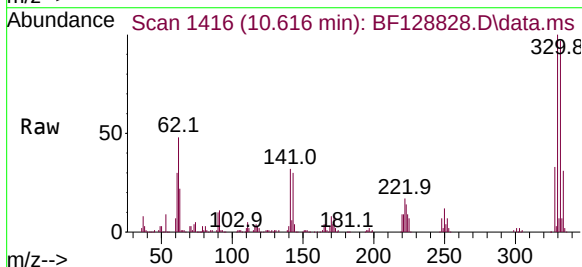
Tgt Ion:248 Resp: 8697

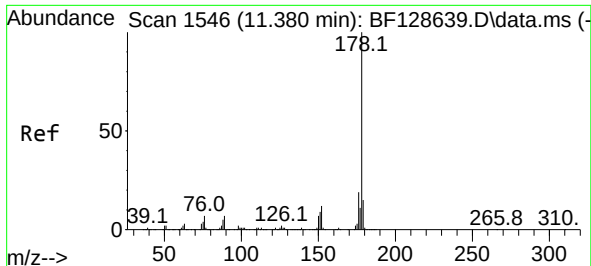
Ion Ratio Lower Upper

248 100

250 181.1 80.6 120.8#

141 460.1 58.9 88.3#

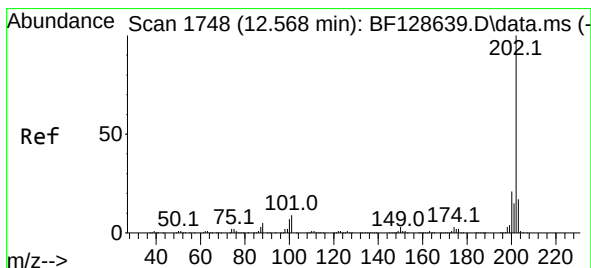
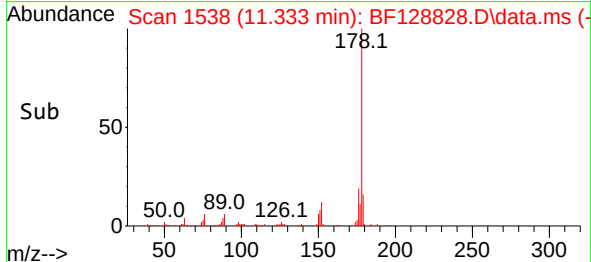
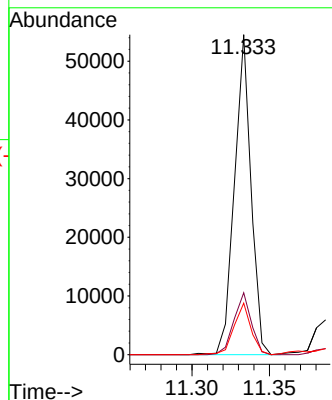
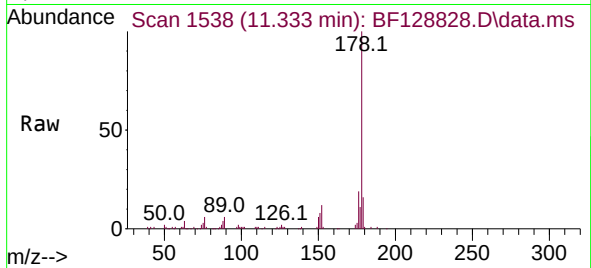




#71
Phenanthrene
Concen: 3.778 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

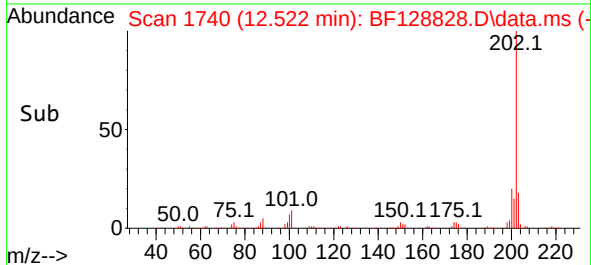
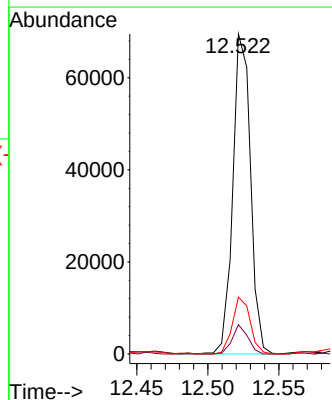
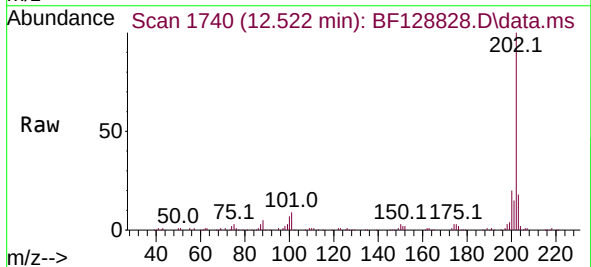
Instrument :
BNA_F
ClientSampleId :
CS-1

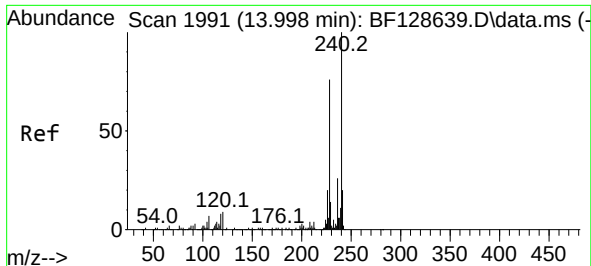
Tgt Ion:178 Resp: 40485
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 16.1 12.6 19.0



#75
Fluoranthene
Concen: 5.387 ng
RT: 12.522 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

Tgt Ion:202 Resp: 60348
Ion Ratio Lower Upper
202 100
101 9.2 0.0 31.4
203 17.8 0.0 38.0

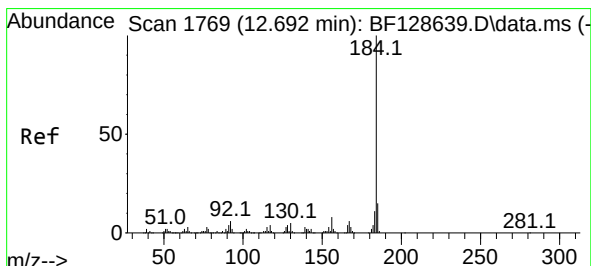
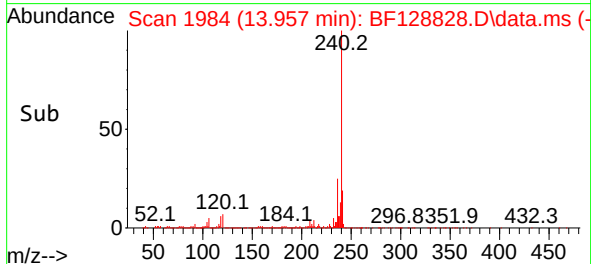
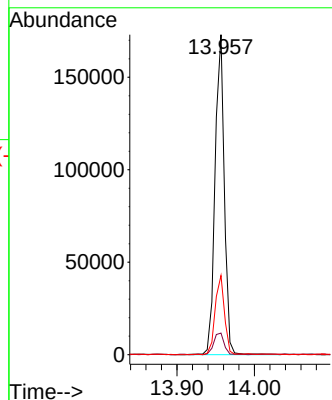
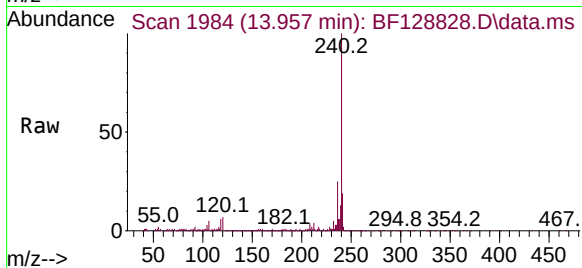




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

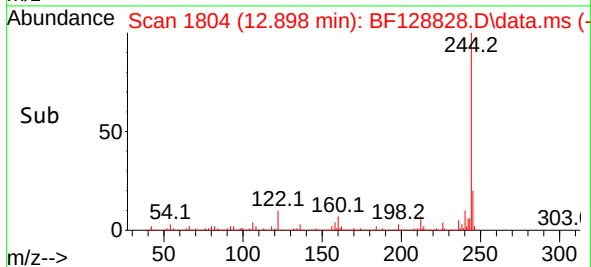
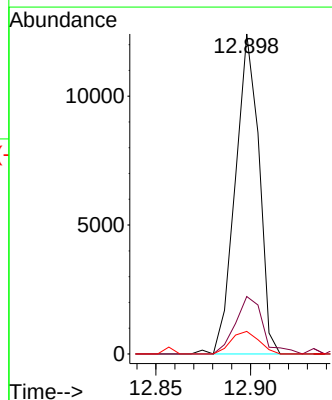
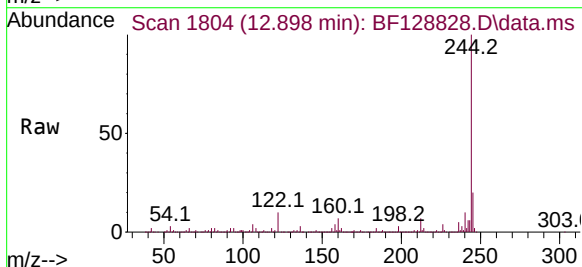
Instrument :
BNA_F
ClientSampleId :
CS-1

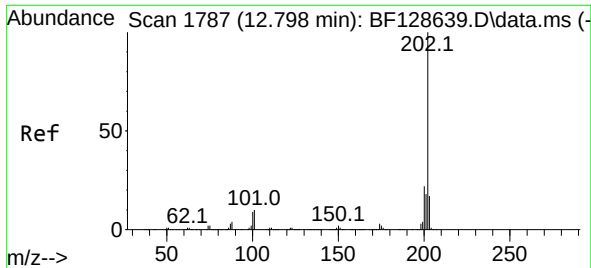
Tgt Ion:240 Resp: 144007
Ion Ratio Lower Upper
240 100
120 6.7 8.9 13.3#
236 24.7 20.8 31.2



#77
Benzidine
Concen: 3.748 ng
RT: 12.898 min Scan# 1804
Delta R.T. 0.247 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

Tgt Ion:184 Resp: 10759
Ion Ratio Lower Upper
184 100
185 18.0 11.9 17.9#
183 7.1 9.3 13.9#

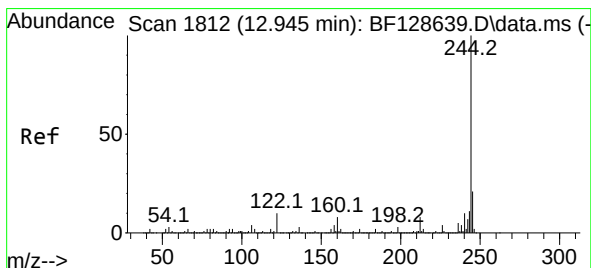
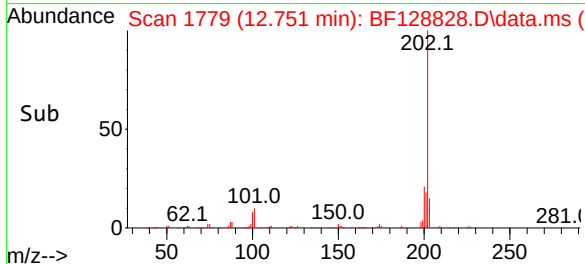
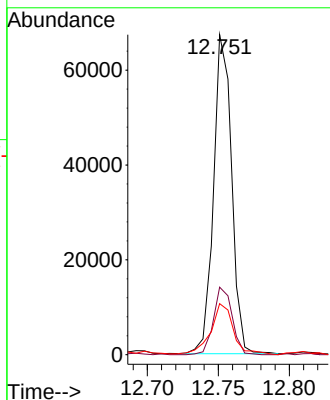
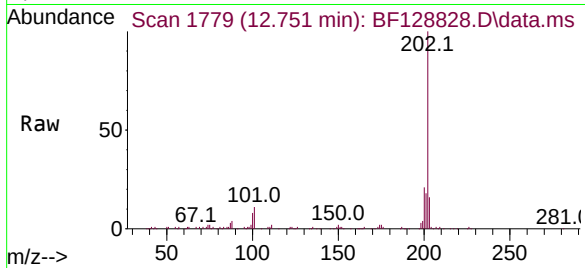




#78
Pyrene
Concen: 5.563 ng
RT: 12.751 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

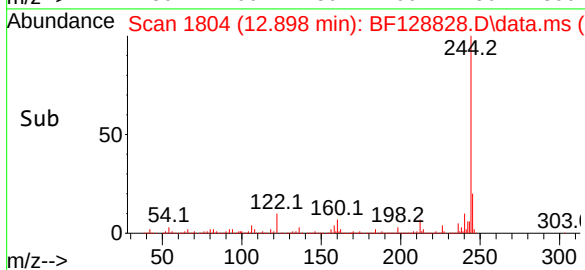
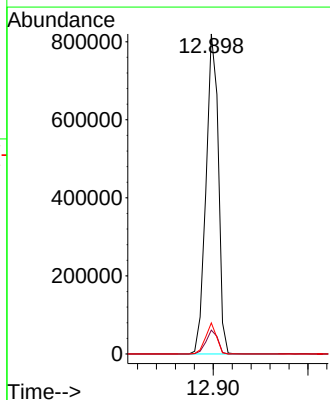
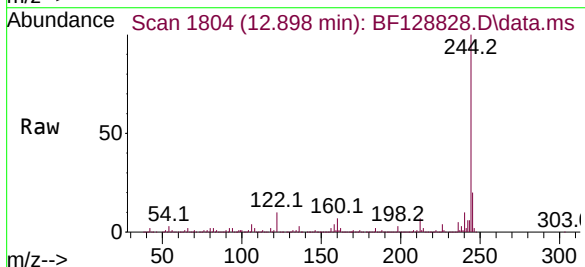
Instrument :
BNA_F
ClientSampleId :
CS-1

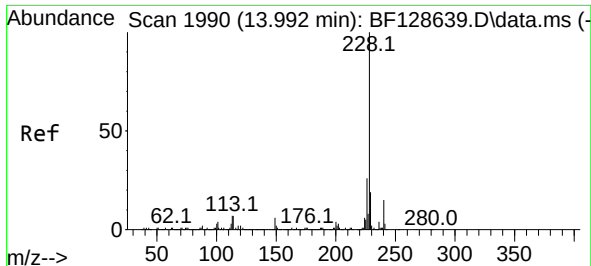
Tgt Ion:202 Resp: 59604
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 16.0 14.6 21.8



#79
Terphenyl-d14
Concen: 88.811 ng
RT: 12.898 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

Tgt Ion:244 Resp: 736026
Ion Ratio Lower Upper
244 100
212 7.5 6.1 9.1
122 9.7 8.8 13.2

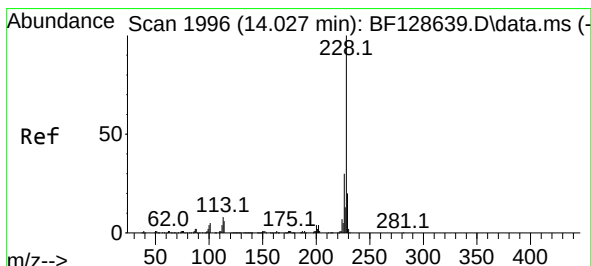
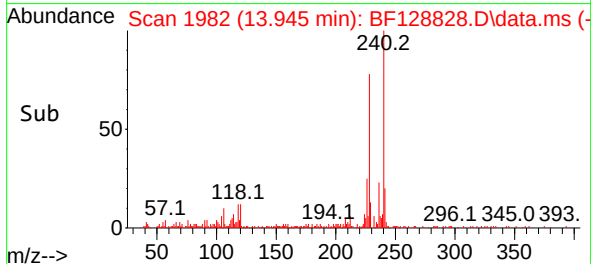
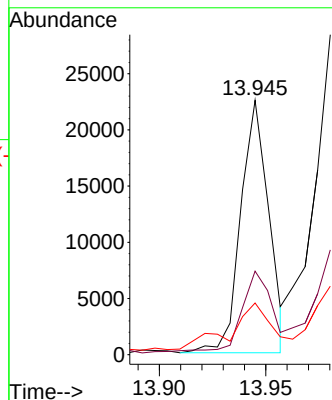
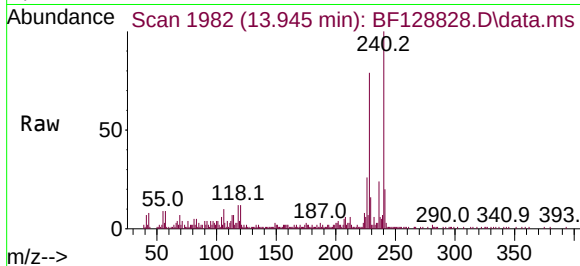




#81
Benzo(a)anthracene
Concen: 2.304 ng
RT: 13.945 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

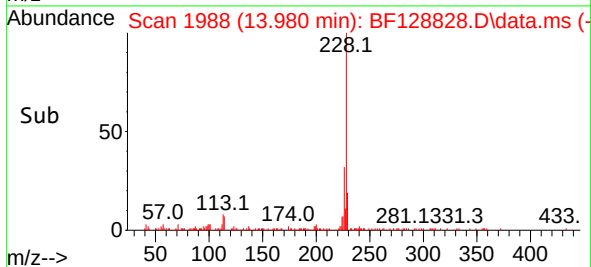
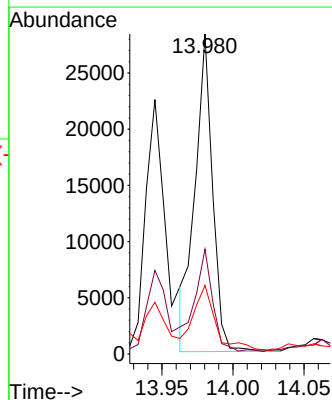
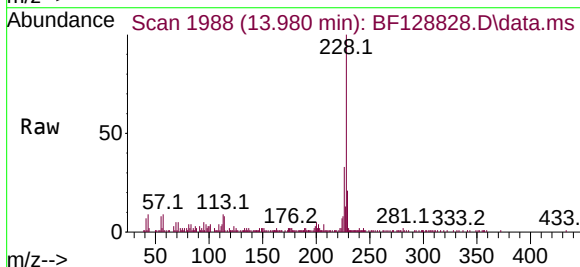
Instrument :
BNA_F
ClientSampleId :
CS-1

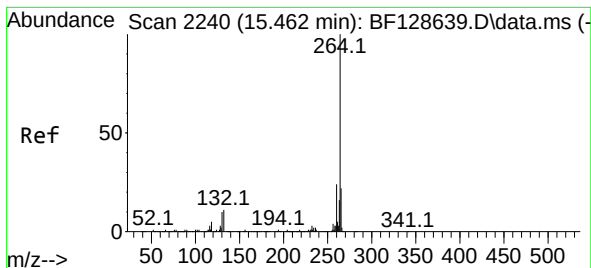
Tgt Ion:228 Resp: 20679
Ion Ratio Lower Upper
228 100
226 32.9 22.1 33.1
229 20.3 15.8 23.8



#83
Chrysene
Concen: 2.842 ng
RT: 13.980 min Scan# 1988
Delta R.T. -0.012 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

Tgt Ion:228 Resp: 24321
Ion Ratio Lower Upper
228 100
226 32.7 24.3 36.5
229 21.4 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: BF128828.D

Acq: 15 Jun 2022 16:03

Instrument :

BNA_F

ClientSampleId :

CS-1

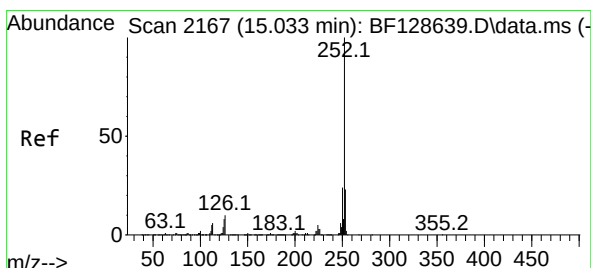
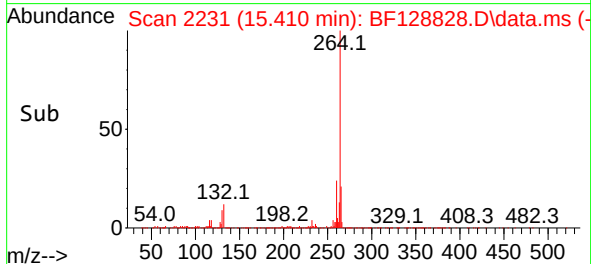
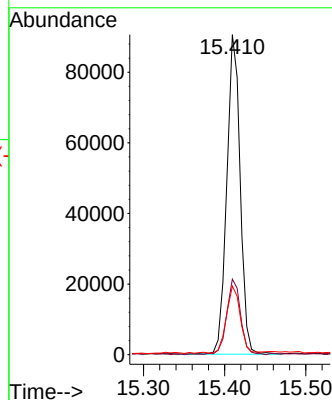
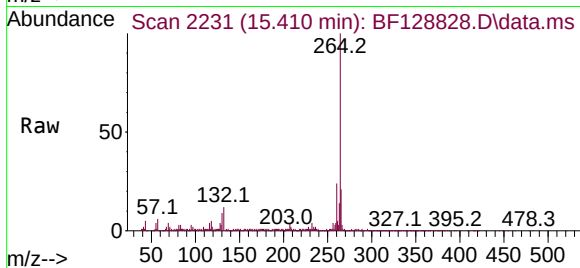
Tgt Ion:264 Resp: 103825

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 21.5 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 5.035 ng

RT: 14.992 min Scan# 2160

Delta R.T. -0.000 min

Lab File: BF128828.D

Acq: 15 Jun 2022 16:03

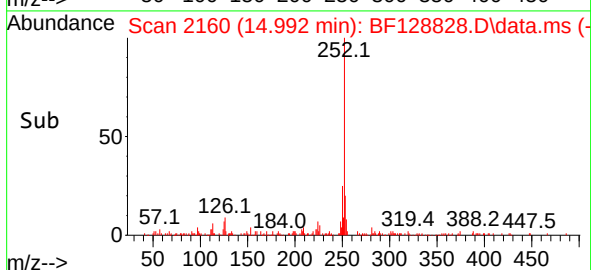
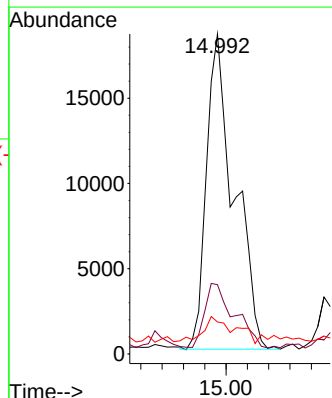
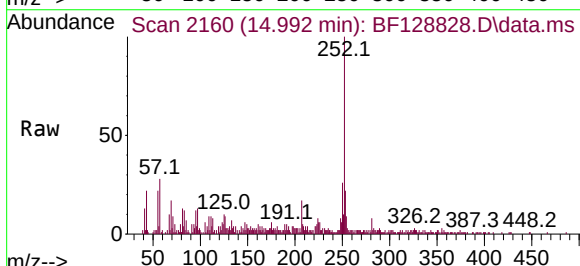
Tgt Ion:252 Resp: 33403

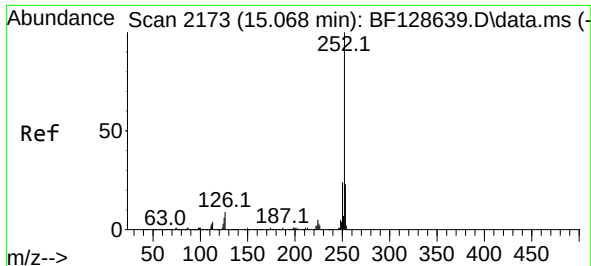
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 10.0 8.0 12.0

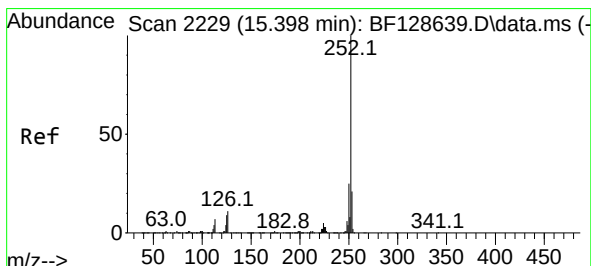
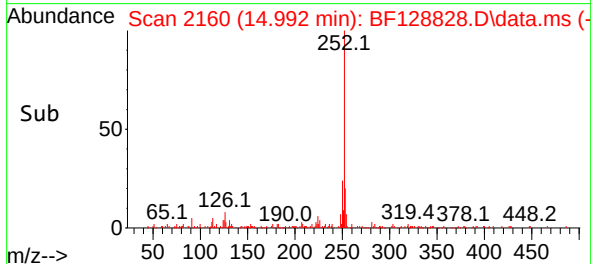
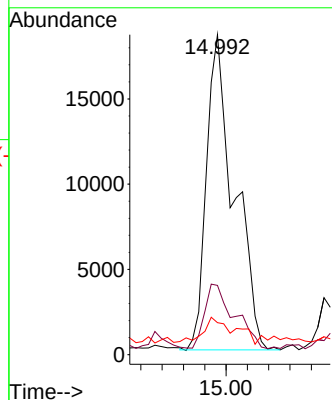
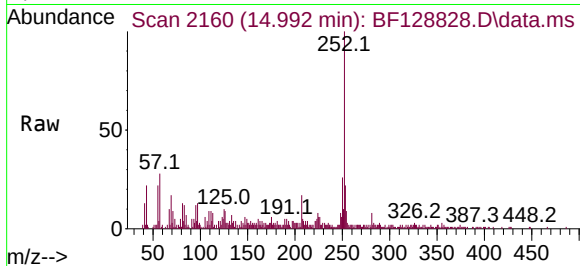




#89
Benzo(k)fluoranthene
Concen: 5.352 ng
RT: 14.992 min Scan# 2173
Delta R.T. -0.035 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

Instrument :
BNA_F
ClientSampleId :
CS-1

Tgt Ion:252 Resp: 33403
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.6
125 10.0 8.3 12.5



#90
Benzo(a)pyrene
Concen: 2.990 ng
RT: 15.351 min Scan# 2221
Delta R.T. -0.006 min
Lab File: BF128828.D
Acq: 15 Jun 2022 16:03

Tgt Ion:252 Resp: 15590
Ion Ratio Lower Upper
252 100
253 25.0 17.0 25.6
125 14.1 8.8 13.2#

