

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061422\
 Data File : BF128809.D
 Acq On : 14 Jun 2022 19:44
 Operator : CG\JU
 Sample : N3336-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-061322

Quant Time: Jun 15 01:02:18 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)

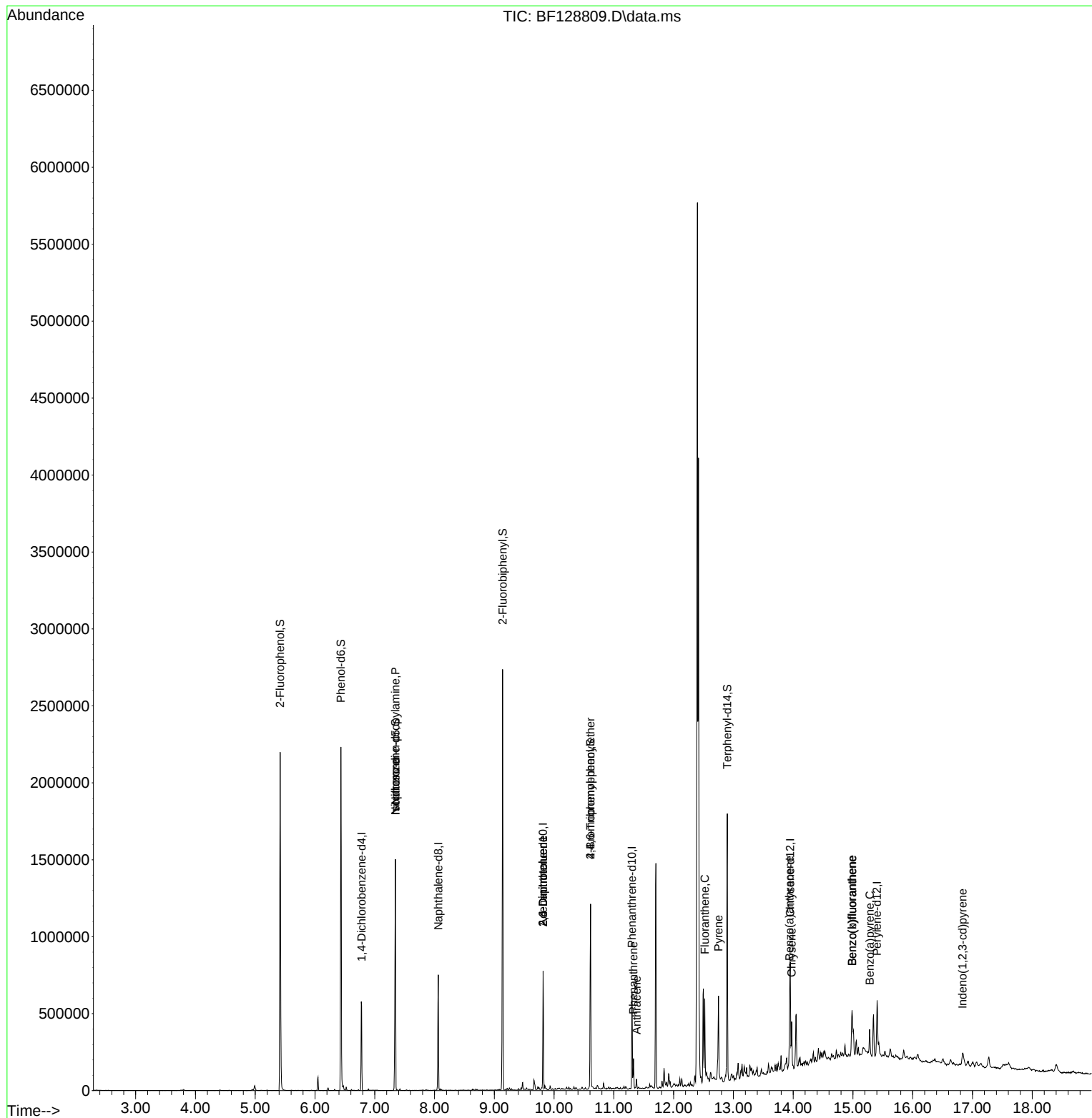
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.780	152	81350	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	283364	20.000	ng	# 0.00
39) Acenaphthene-d10	9.815	164	137451	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	209219	20.000	ng	#-0.01
76) Chrysene-d12	13.950	240	181160	20.000	ng	#-0.01
86) Perylene-d12	15.403	264	164070	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	501461	98.186	ng	0.00
7) Phenol-d6	6.433	99	633492	101.614	ng	0.00
23) Nitrobenzene-d5	7.345	82	437864	71.944	ng	0.00
42) 2,4,6-Tribromophenol	10.609	330	128278	78.986	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	745429	75.969	ng	0.00
79) Terphenyl-d14	12.898	244	571733	54.839	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	62283	16.068	ng	# 75
25) Isophorone	7.345	82	437801	47.363	ng	# 65
51) 2,6-Dinitrotoluene	9.815	165	17916	9.648	ng	# 25
57) 2,4-Dinitrotoluene	9.815	165	17916	7.230	ng	# 21
67) 4-Bromophenyl-phenylether	10.609	248	8510	3.647	ng	# 1
71) Phenanthrene	11.327	178	61070	5.820	ng	99
72) Anthracene	11.380	178	20996	2.021	ng	99
75) Fluoranthene	12.521	202	198174	18.066	ng	96
78) Pyrene	12.751	202	217945	16.170	ng	97
81) Benzo(a)anthracene	13.939	228	138907	12.301	ng	97
83) Chrysene	13.974	228	117906	10.952	ng	98
87) Indeno(1,2,3-cd)pyrene	16.833	276	58698	5.936	ng	# 89
88) Benzo(b)fluoranthene	14.986	252	227814	21.730	ng	99
89) Benzo(k)fluoranthene	14.986	252	227814	23.100	ng	98
90) Benzo(a)pyrene	15.280	252	75303	9.139	ng	97

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

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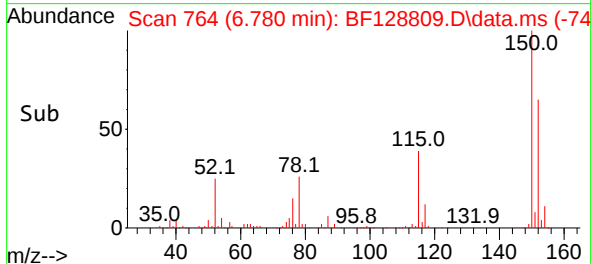
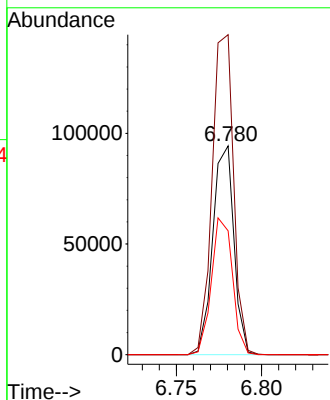
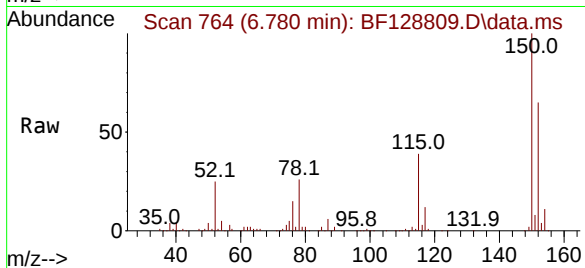




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.780 min Scan# 772
Delta R.T. -0.001 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

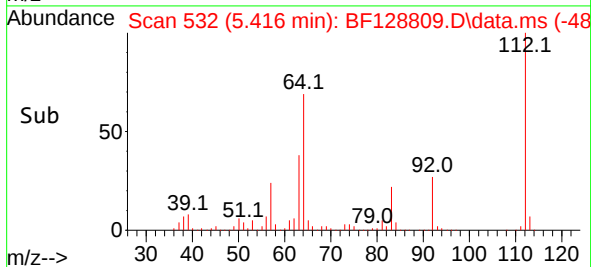
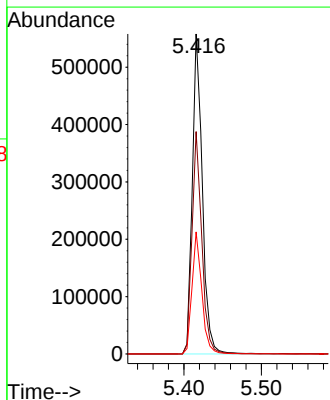
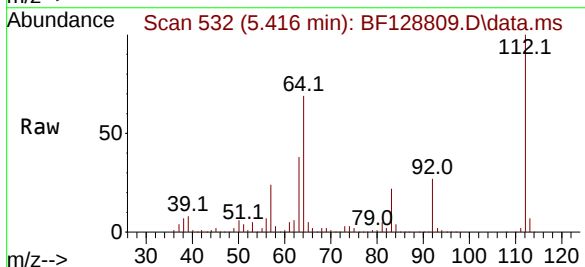
Instrument :
BNA_F
ClientSampleId :
HD-02-061322

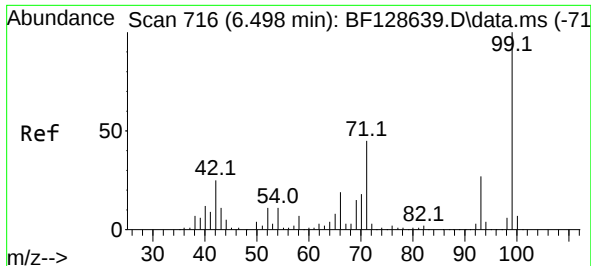
Tgt Ion:152 Resp: 81350
Ion Ratio Lower Upper
152 100
150 153.3 123.7 185.5
115 59.3 49.9 74.9



#5
2-Fluorophenol
Concen: 98.186 ng
RT: 5.416 min Scan# 532
Delta R.T. -0.000 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

Tgt Ion:112 Resp: 501461
Ion Ratio Lower Upper
112 100
64 69.5 53.3 79.9
63 38.2 28.0 42.0

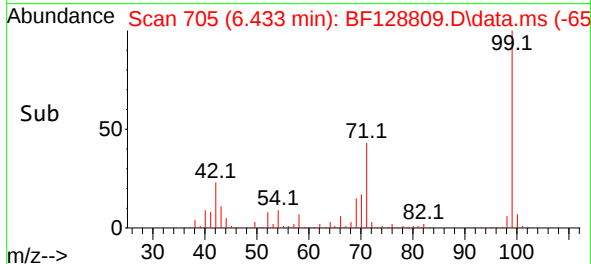
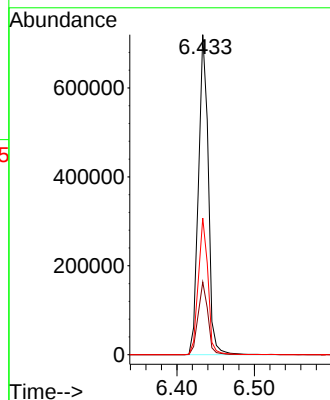
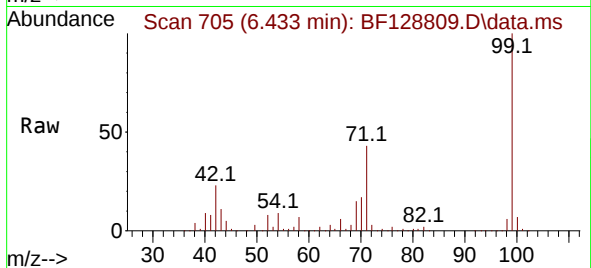




#7
Phenol-d6
Concen: 101.614 ng
RT: 6.433 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

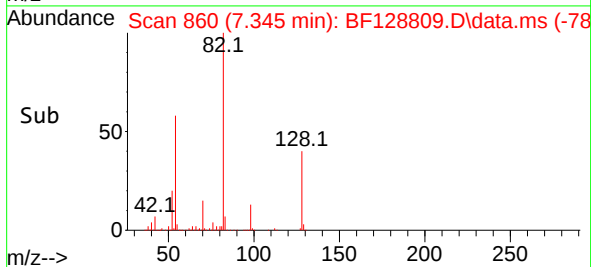
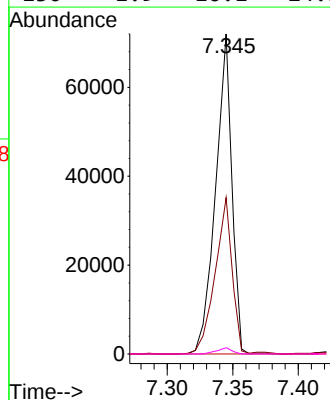
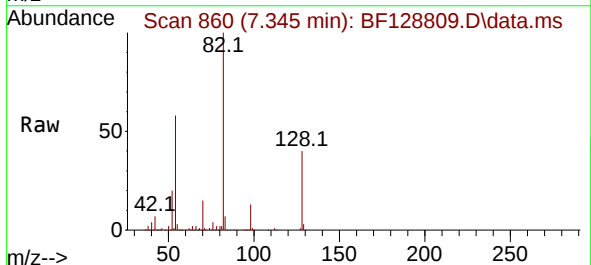
Instrument :
BNA_F
ClientSampleId :
HD-02-061322

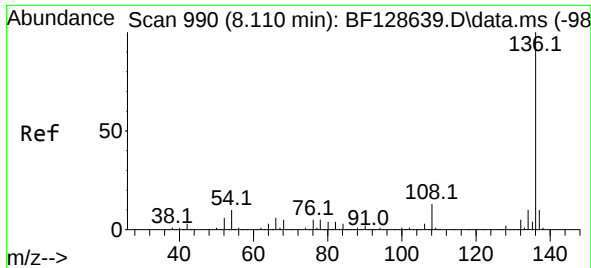
Tgt Ion: 99 Resp: 633492
Ion Ratio Lower Upper
99 100
42 22.7 17.3 25.9
71 42.7 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.068 ng
RT: 7.345 min Scan# 860
Delta R.T. 0.141 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

Tgt Ion: 70 Resp: 62283
Ion Ratio Lower Upper
70 100
42 48.8 52.3 78.5#
101 0.0 7.5 11.3#
130 1.9 16.1 24.1#

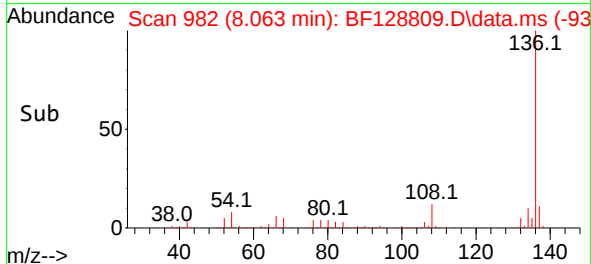
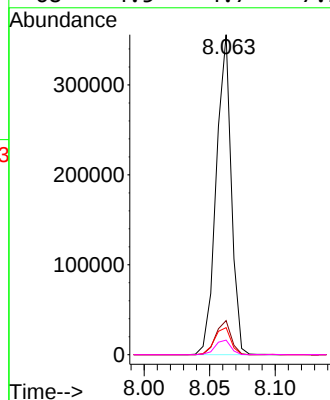
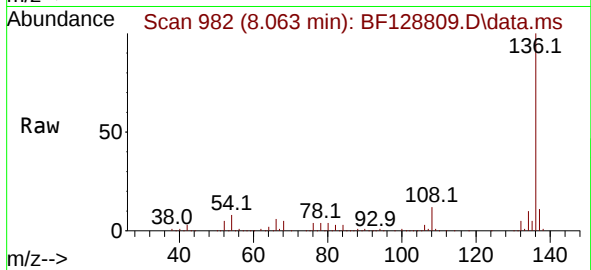




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

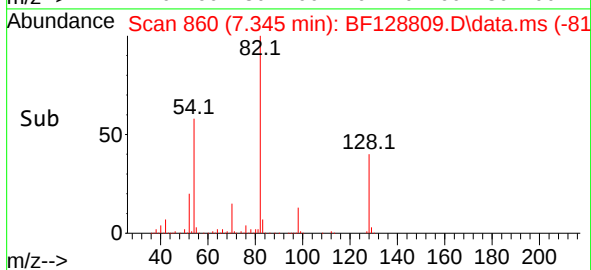
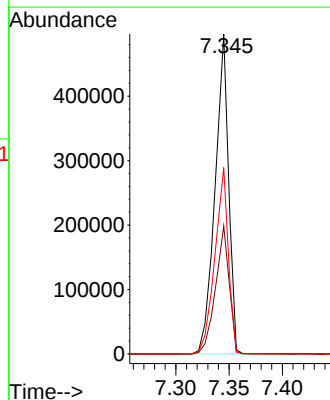
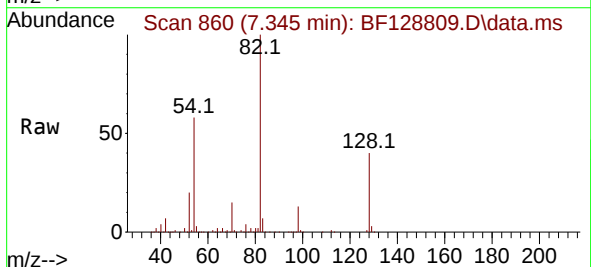
Instrument :
BNA_F
ClientSampleId :
HD-02-061322

Tgt Ion:	136	Resp:	283364
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	8.4	7.5	11.3
68	4.5	4.7	7.1



#23
Nitrobenzene-d5
Concen: 71.944 ng
RT: 7.345 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

Tgt Ion:	82	Resp:	437864
Ion	Ratio	Lower	Upper
82	100		
128	40.0	34.0	51.0
54	58.3	46.9	70.3

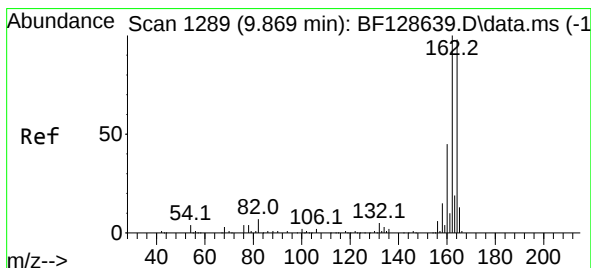
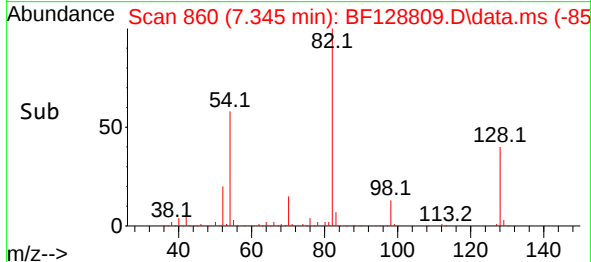
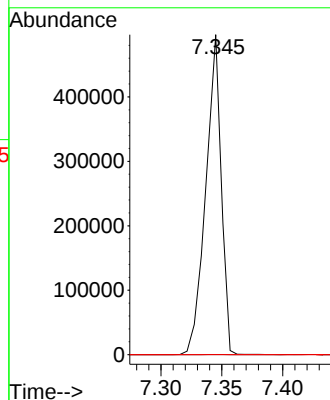
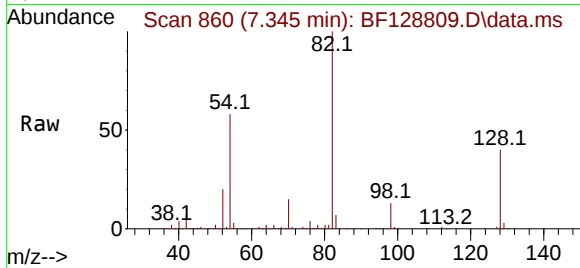




#25
Isophorone
Concen: 47.363 ng
RT: 7.345 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

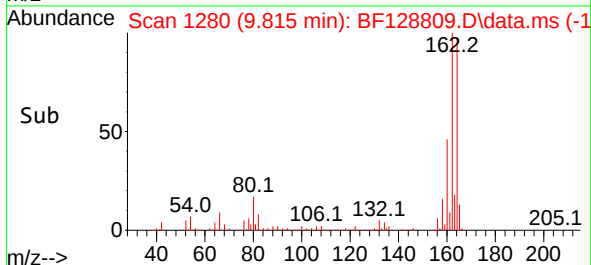
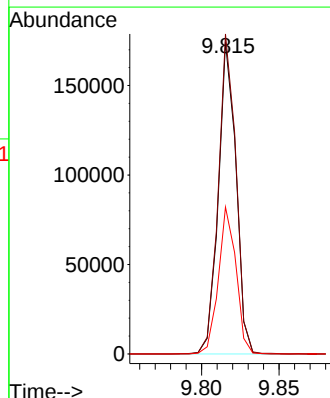
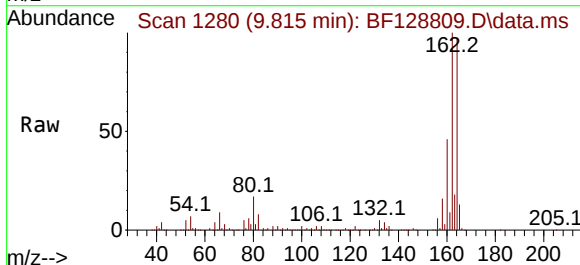
Instrument :
BNA_F
ClientSampleId :
HD-02-061322

Tgt Ion: 82 Resp: 437801
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: 9.815 min Scan# 1280
Delta R.T. -0.012 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

Tgt Ion:164 Resp: 137451
Ion Ratio Lower Upper
164 100
162 102.7 79.5 119.3
160 47.1 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 78.986 ng

RT: 10.609 min Scan# 1424

Delta R.T. -0.012 min

Lab File: BF128809.D

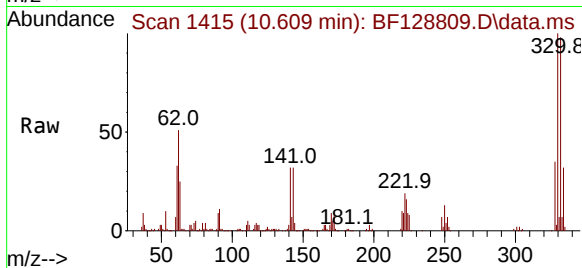
Acq: 14 Jun 2022 19:44

Instrument :

BNA_F

ClientSampleId :

HD-02-061322



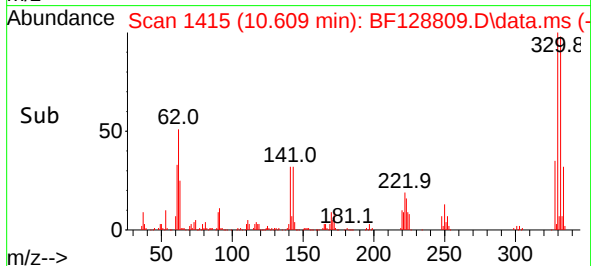
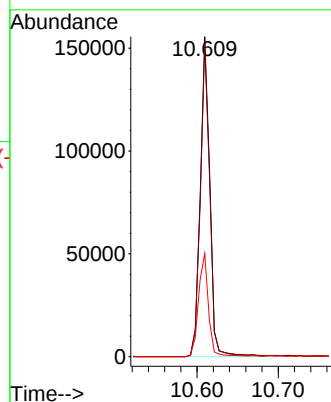
Tgt Ion:330 Resp: 128278

Ion Ratio Lower Upper

330 100

332 96.4 76.8 115.2

141 33.5 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 75.969 ng

RT: 9.139 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF128809.D

Acq: 14 Jun 2022 19:44

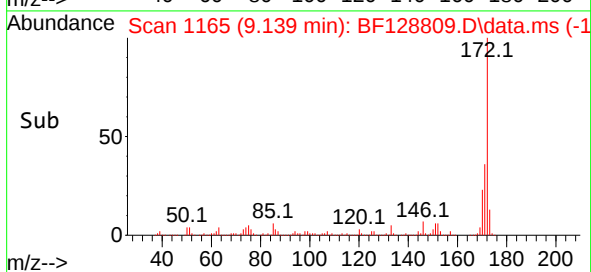
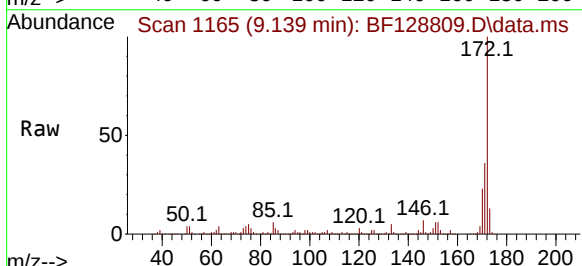
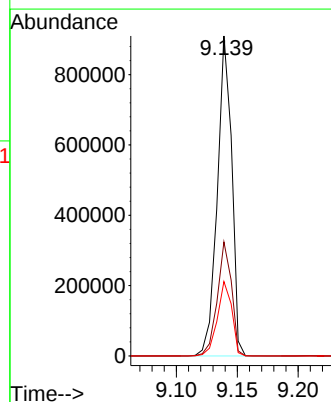
Tgt Ion:172 Resp: 745429

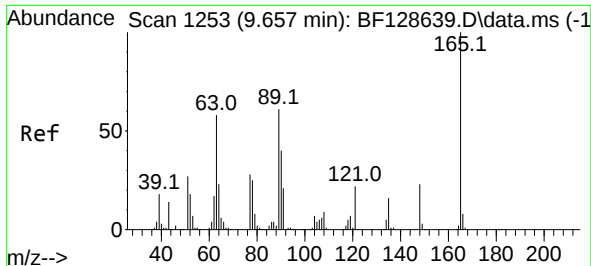
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.3 19.8 29.8

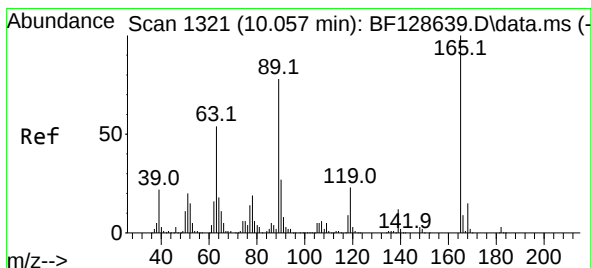
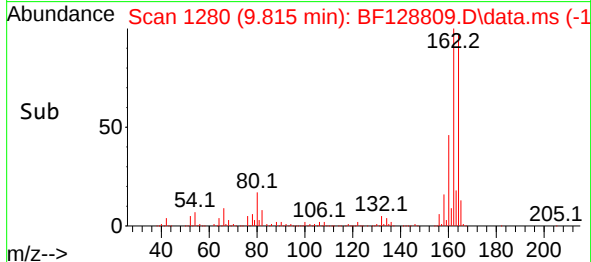
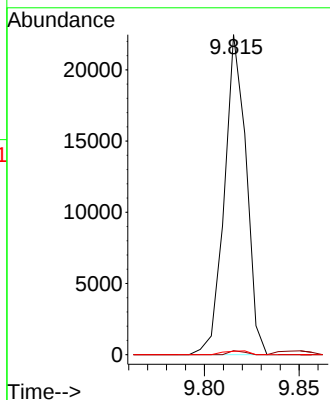
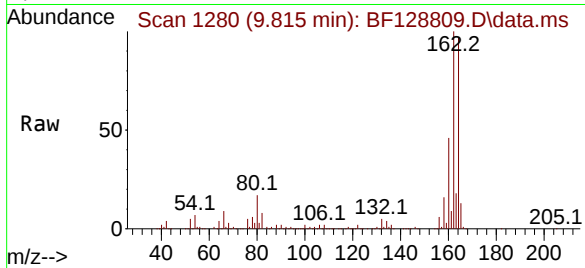




#51
2,6-Dinitrotoluene
Concen: 9.648 ng
RT: 9.815 min Scan# 1280
Delta R.T. 0.200 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

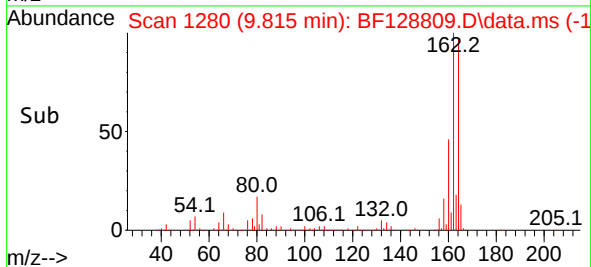
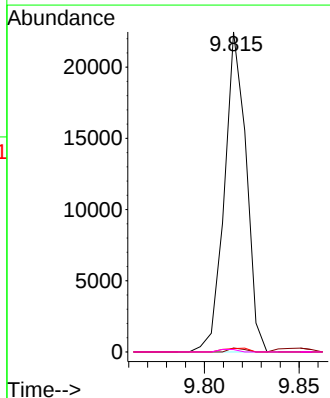
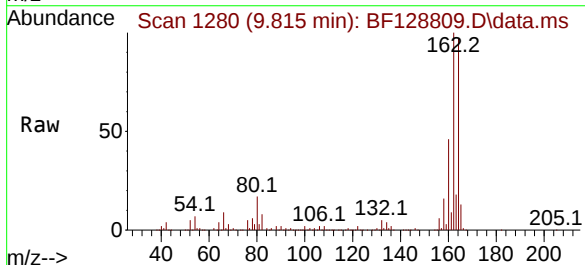
Instrument :
BNA_F
ClientSampleId :
HD-02-061322

Tgt Ion:165 Resp: 17916
Ion Ratio Lower Upper
165 100
63 1.3 44.9 67.3#
89 1.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 7.230 ng
RT: 9.815 min Scan# 1280
Delta R.T. -0.206 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

Tgt Ion:165 Resp: 17916
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 1.0 60.2 90.2#
182 0.8 2.2 3.2#

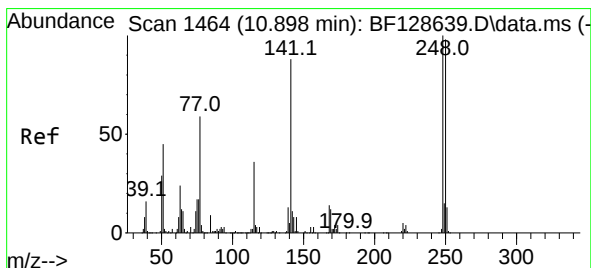
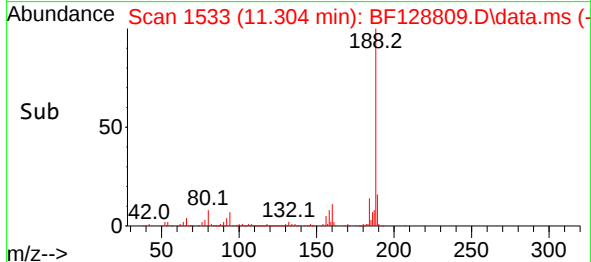
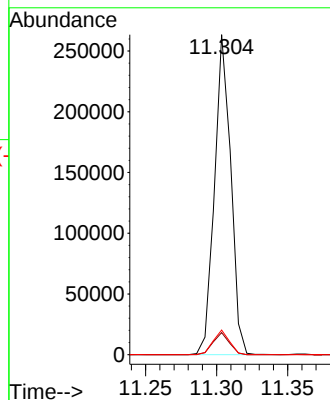
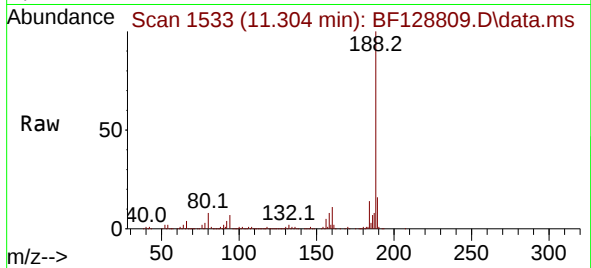




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

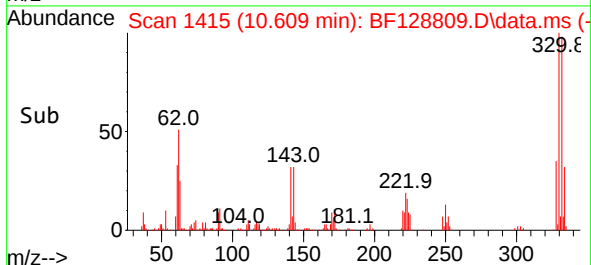
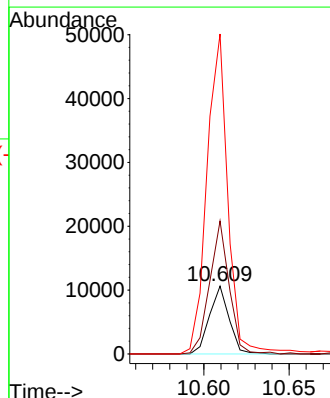
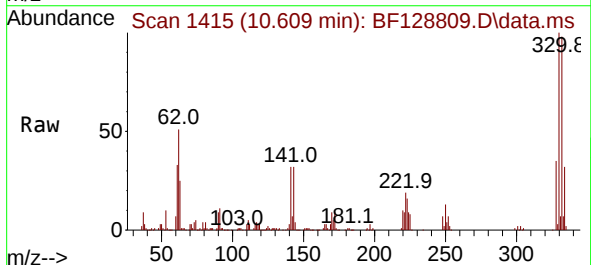
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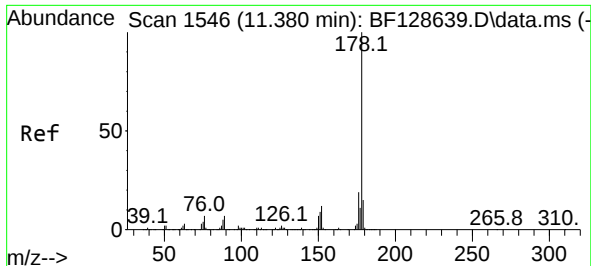
Tgt Ion:188 Resp: 209219
Ion Ratio Lower Upper
188 100
94 6.9 7.0 10.6#
80 7.7 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 3.647 ng
RT: 10.609 min Scan# 1415
Delta R.T. -0.247 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

Tgt Ion:248 Resp: 8510
Ion Ratio Lower Upper
248 100
250 195.8 80.6 120.8#
141 471.1 58.9 88.3#

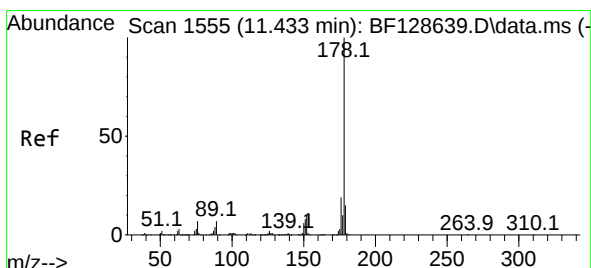
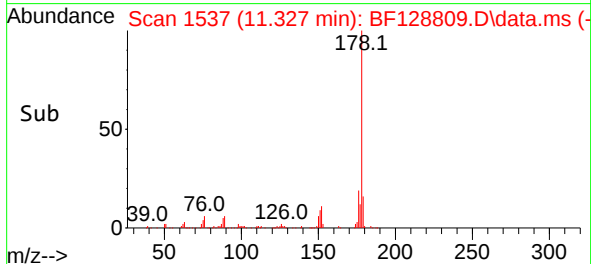
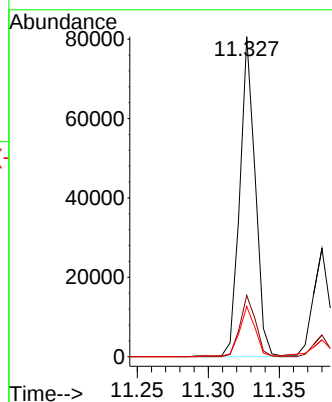
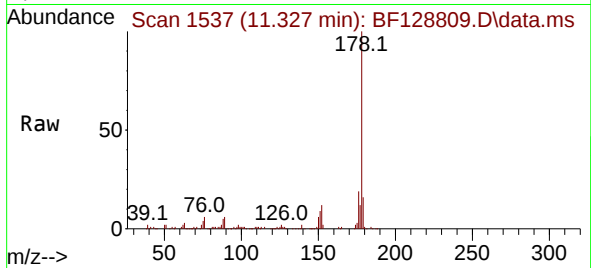




#71
Phenanthrene
Concen: 5.820 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

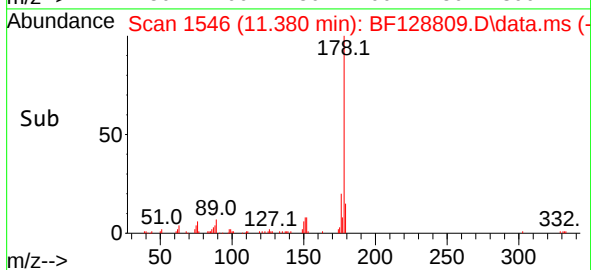
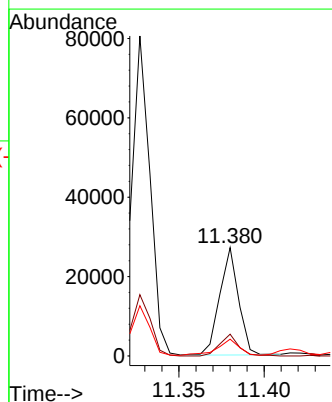
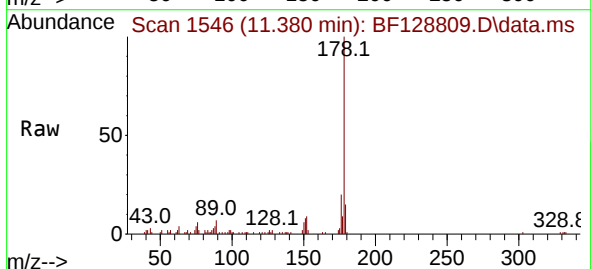
Instrument :
BNA_F
ClientSampleId :
HD-02-061322

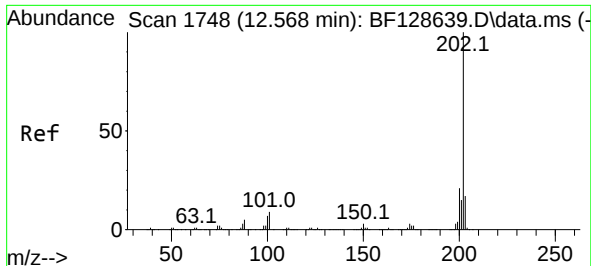
Tgt Ion:178 Resp: 61070
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.7 12.6 19.0



#72
Anthracene
Concen: 2.021 ng
RT: 11.380 min Scan# 1546
Delta R.T. -0.012 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

Tgt Ion:178 Resp: 20996
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.2
179 15.5 12.6 19.0

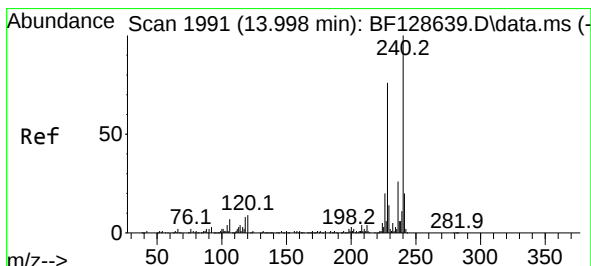
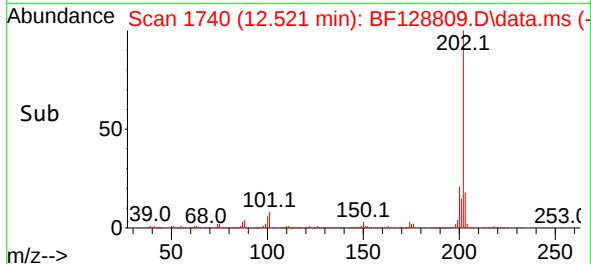
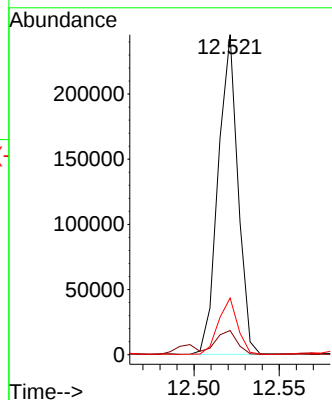
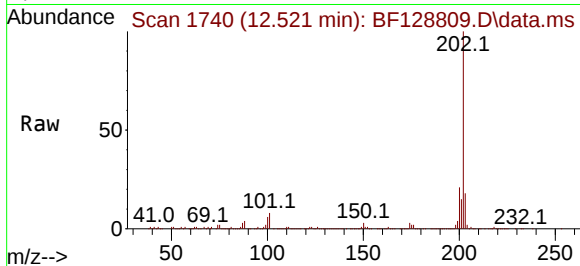




#75
Fluoranthene
Concen: 18.066 ng
RT: 12.521 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

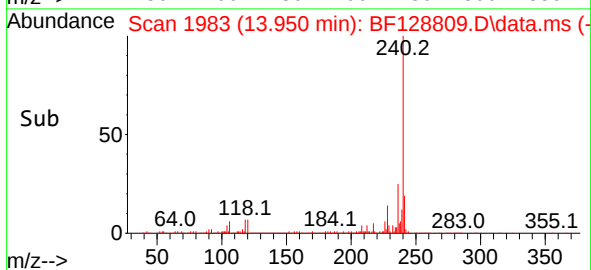
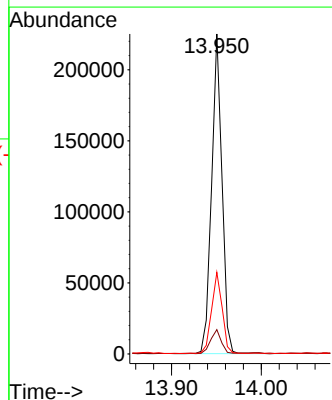
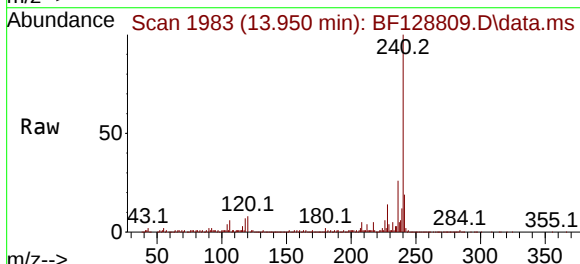
Instrument :
BNA_F
ClientSampleId :
HD-02-061322

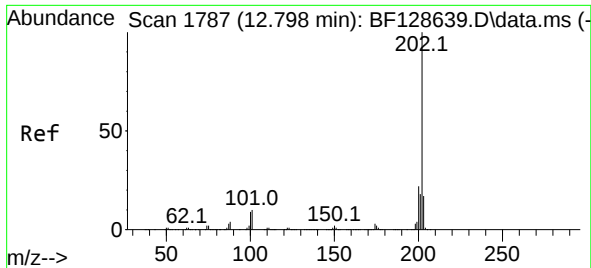
Tgt Ion:202 Resp: 198174
Ion Ratio Lower Upper
202 100
101 7.6 0.0 31.4
203 17.7 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.950 min Scan# 1983
Delta R.T. -0.012 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

Tgt Ion:240 Resp: 181160
Ion Ratio Lower Upper
240 100
120 7.6 8.9 13.3#
236 25.5 20.8 31.2

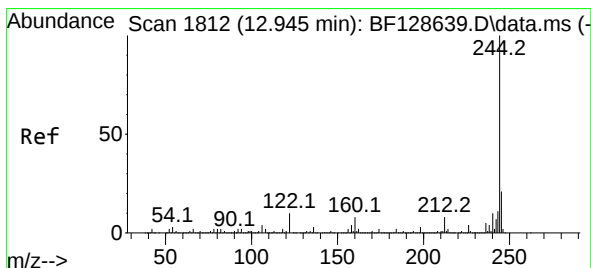
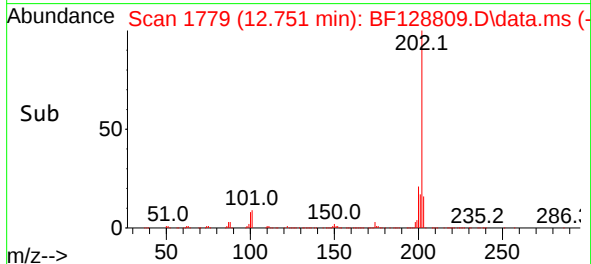
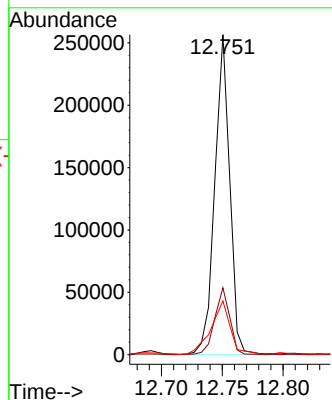
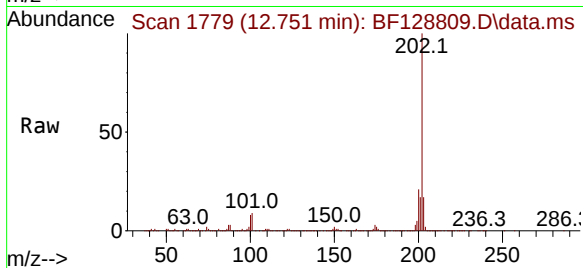




#78
Pyrene
Concen: 16.170 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

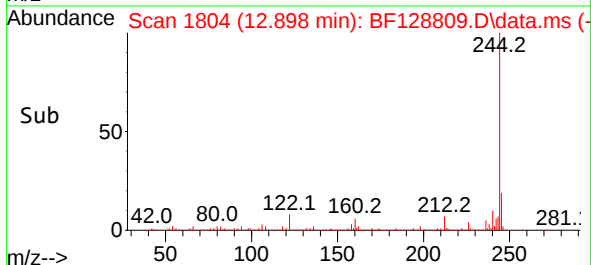
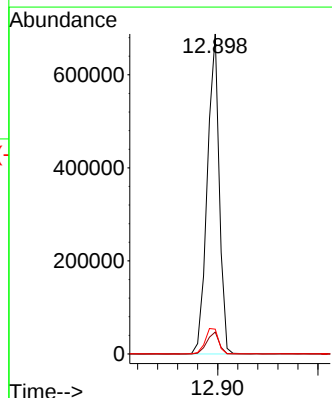
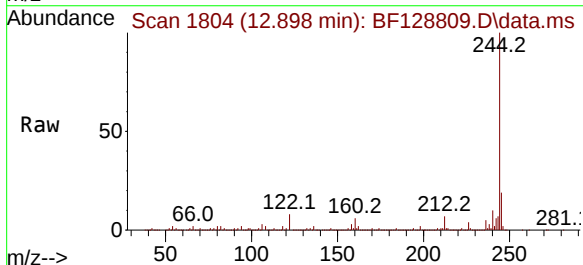
Instrument :
BNA_F
ClientSampleId :
HD-02-061322

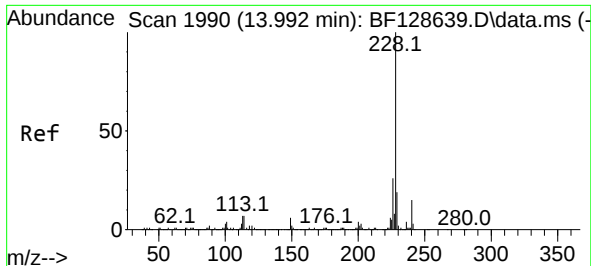
Tgt Ion:202 Resp: 217945
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 16.8 14.6 21.8



#79
Terphenyl-d14
Concen: 54.839 ng
RT: 12.898 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

Tgt Ion:244 Resp: 571733
Ion Ratio Lower Upper
244 100
212 6.8 6.1 9.1
122 7.7 8.8 13.2#

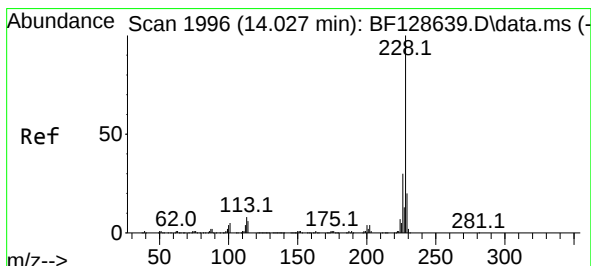
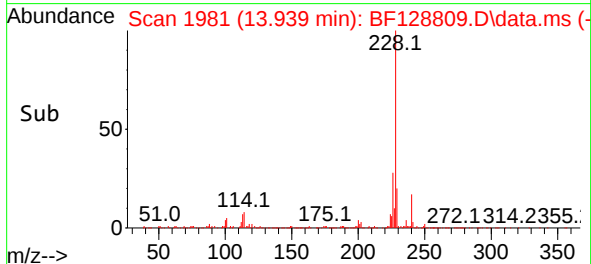
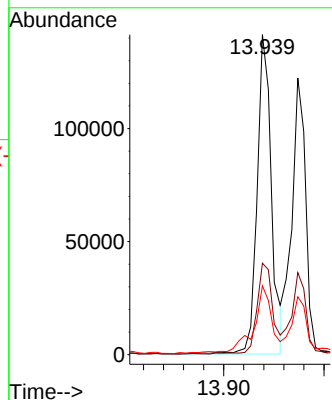
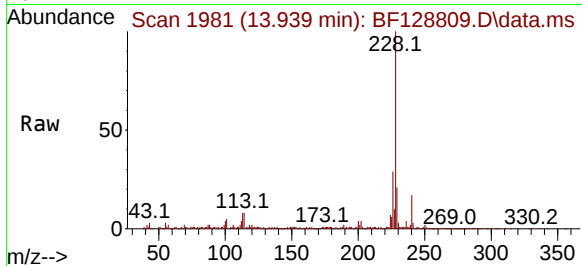




#81
Benzo(a)anthracene
Concen: 12.301 ng
RT: 13.939 min Scan# 1981
Delta R.T. -0.012 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

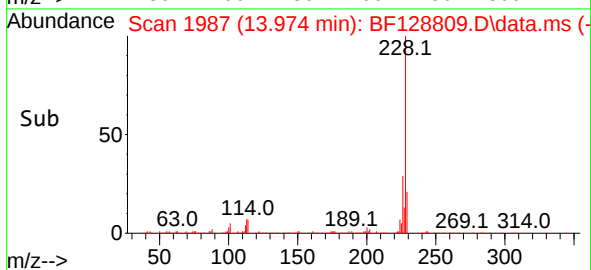
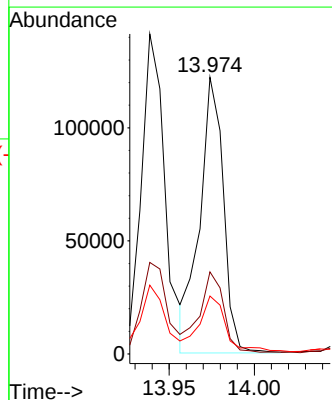
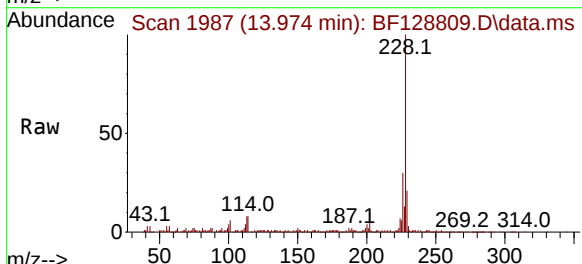
Instrument :
BNA_F
ClientSampleId :
HD-02-061322

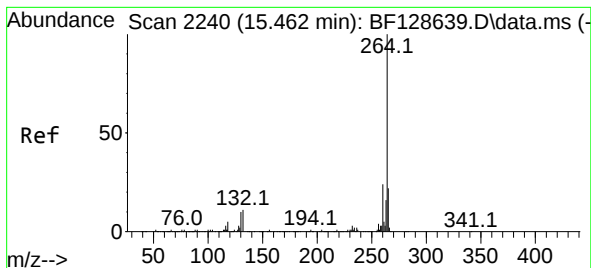
Tgt Ion:228 Resp: 138907
Ion Ratio Lower Upper
228 100
226 28.6 22.1 33.1
229 21.5 15.8 23.8



#83
Chrysene
Concen: 10.952 ng
RT: 13.974 min Scan# 1987
Delta R.T. -0.018 min
Lab File: BF128809.D
Acq: 14 Jun 2022 19:44

Tgt Ion:228 Resp: 117906
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 21.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.403 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF128809.D

Acq: 14 Jun 2022 19:44

Instrument :

BNA_F

ClientSampleId :

HD-02-061322

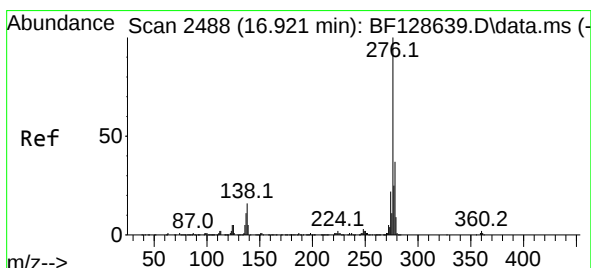
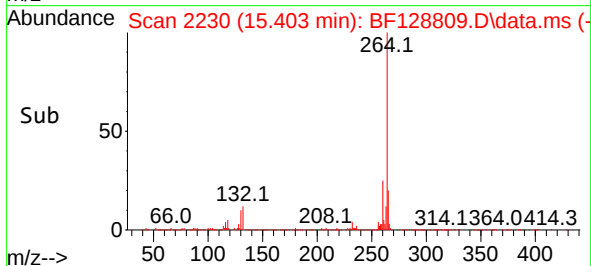
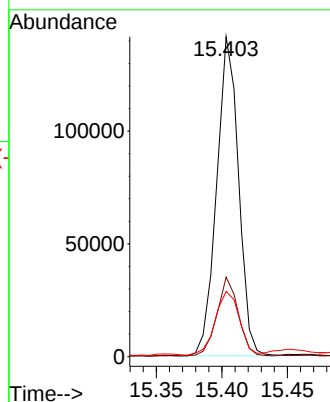
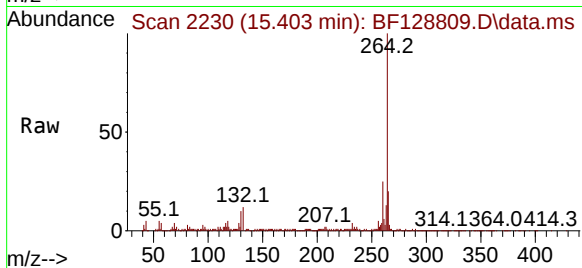
Tgt Ion:264 Resp: 164070

Ion Ratio Lower Upper

264 100

260 24.9 18.4 27.6

265 20.4 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.936 ng

RT: 16.833 min Scan# 2473

Delta R.T. -0.030 min

Lab File: BF128809.D

Acq: 14 Jun 2022 19:44

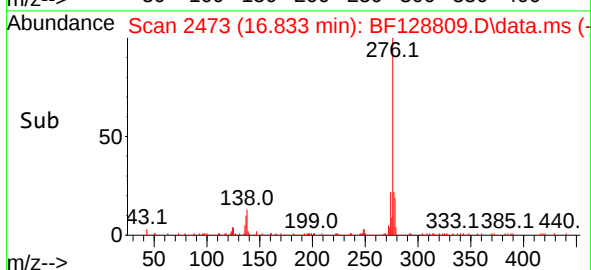
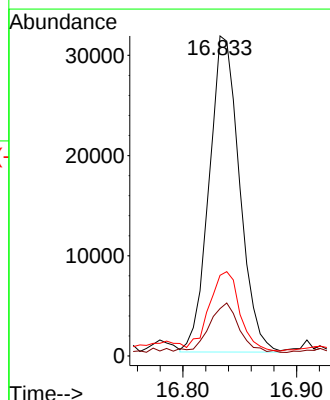
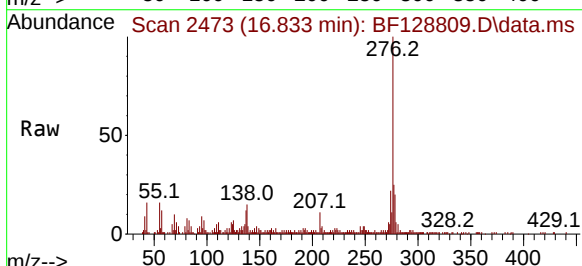
Tgt Ion:276 Resp: 58698

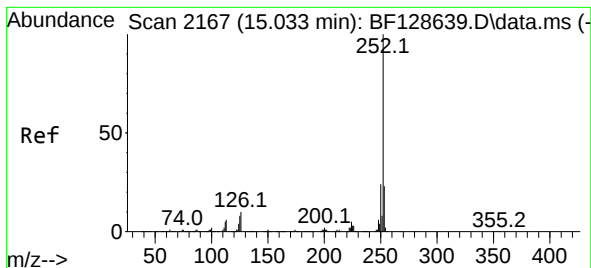
Ion Ratio Lower Upper

276 100

138 15.5 21.1 31.7#

277 25.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 21.730 ng

RT: 14.986 min Scan# 2159

Delta R.T. -0.006 min

Lab File: BF128809.D

Acq: 14 Jun 2022 19:44

Instrument :

BNA_F

ClientSampleId :

HD-02-061322

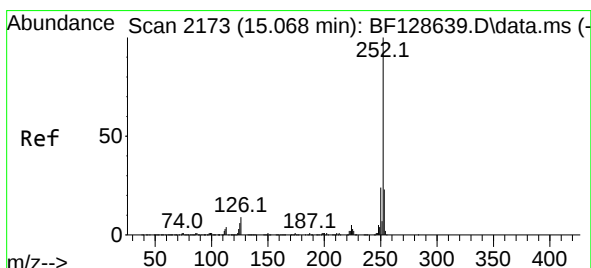
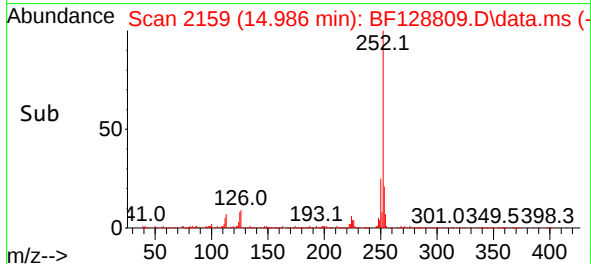
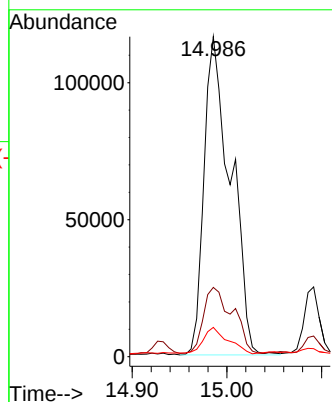
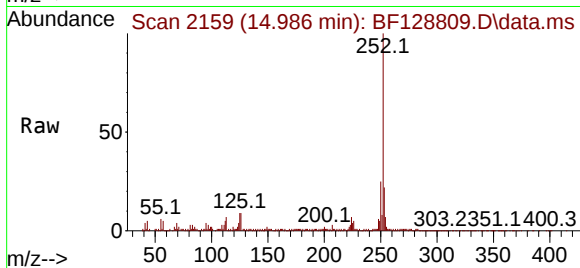
Tgt Ion:252 Resp: 227814

Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 9.1 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 23.100 ng

RT: 14.986 min Scan# 2159

Delta R.T. -0.042 min

Lab File: BF128809.D

Acq: 14 Jun 2022 19:44

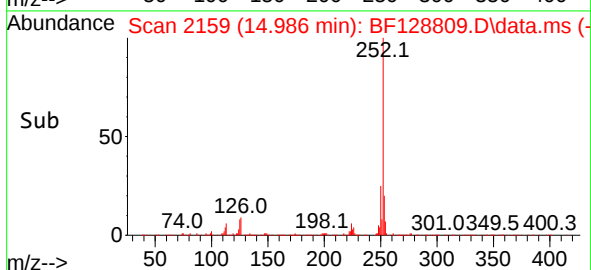
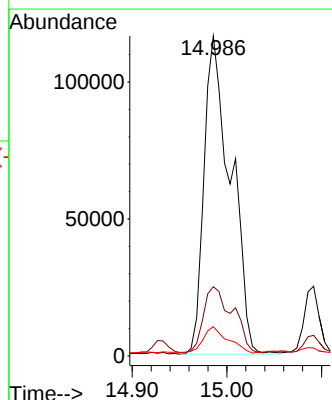
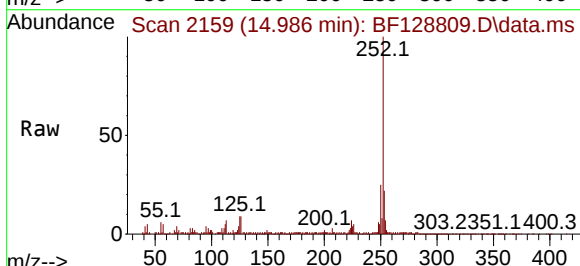
Tgt Ion:252 Resp: 227814

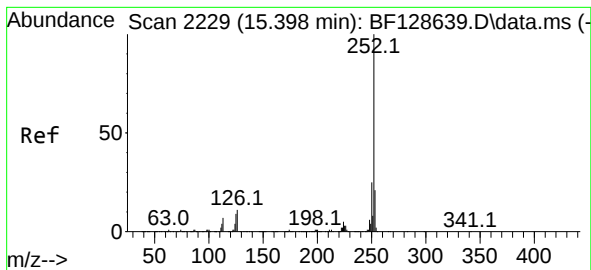
Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

125 9.1 8.3 12.5





#90

Benzo(a)pyrene

Concen: 9.139 ng

RT: 15.280 min Scan# 21

Delta R.T. -0.077 min

Lab File: BF128809.D

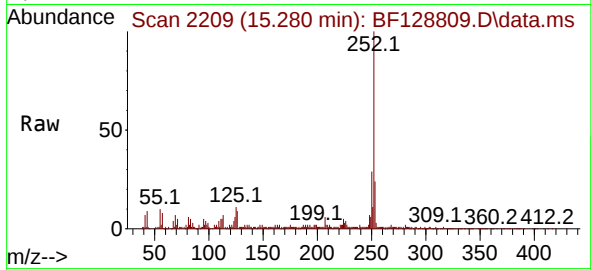
Acq: 14 Jun 2022 19:44

Instrument :

BNA_F

ClientSampleId :

HD-02-061322



Tgt Ion:252 Resp: 75303

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

125 11.0 8.8 13.2

