

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060922\
 Data File : BF128748.D
 Acq On : 09 Jun 2022 14:44
 Operator : CG\JU
 Sample : N3233-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CR-2

Quant Time: Jun 10 03:28:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

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

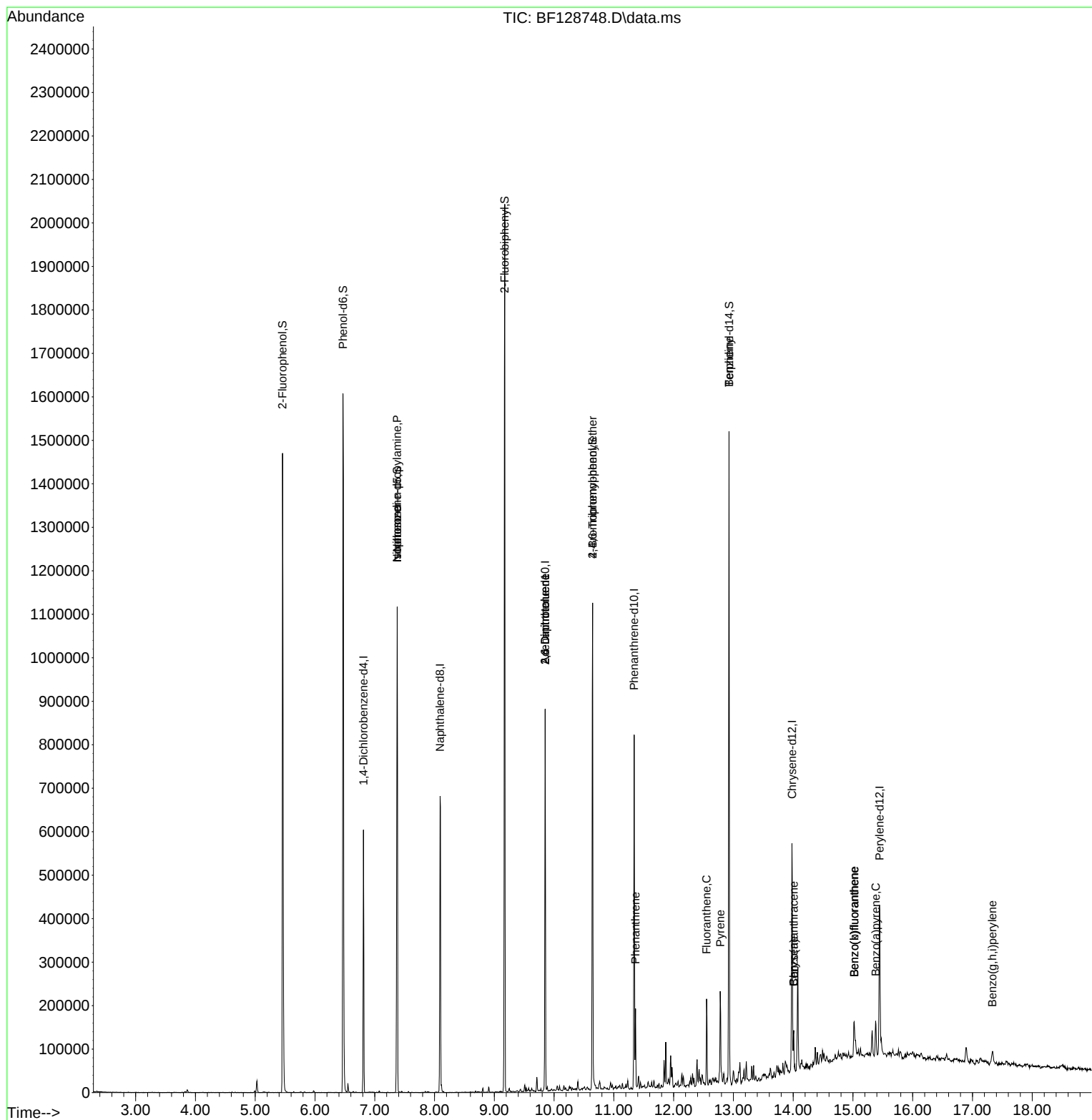
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	73442	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	288551	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	156483	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	260436	20.000	ng	0.00
76) Chrysene-d12	13.980	240	162303	20.000	ng	0.00
86) Perylene-d12	15.445	264	156064	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	358408	77.733	ng	0.00
7) Phenol-d6	6.469	99	462129	82.109	ng	-0.01
23) Nitrobenzene-d5	7.375	82	328908	53.070	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	124990	67.601	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	569505	50.981	ng	0.00
79) Terphenyl-d14	12.927	244	451887	48.380	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.375	70	45665	13.049	ng	# 77
25) Isophorone	7.375	82	328903	34.942	ng	# 65
51) 2,6-Dinitrotoluene	9.851	165	21406	10.126	ng	# 26
57) 2,4-Dinitrotoluene	9.851	165	21406	7.587	ng	# 21
67) 4-Bromophenyl-phenylether	10.645	248	8011	2.758	ng	# 1
71) Phenanthrene	11.363	178	58127	4.450	ng	99
75) Fluoranthene	12.551	202	72596	5.317	ng	97
77) Benzidine	12.927	184	6534	2.020	ng	# 92
78) Pyrene	12.780	202	83689	6.931	ng	99
81) Benzo(a)anthracene	14.010	228	39823	3.936	ng	97
83) Chrysene	14.010	228	39823	4.129	ng	96
88) Benzo(b)fluoranthene	15.021	252	59466	5.963	ng	99
89) Benzo(k)fluoranthene	15.021	252	59466	6.339	ng	99
90) Benzo(a)pyrene	15.380	252	37683	4.808	ng	98
92) Benzo(g,h,i)perylene	17.333	276	24492	3.167	ng	95

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

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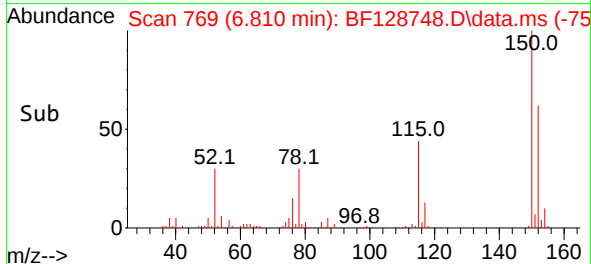
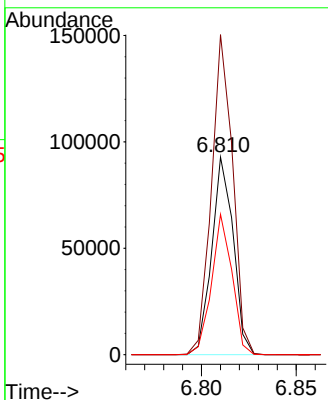
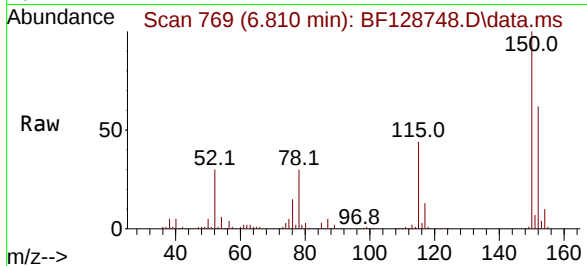




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

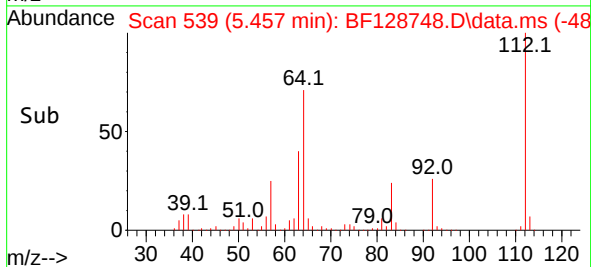
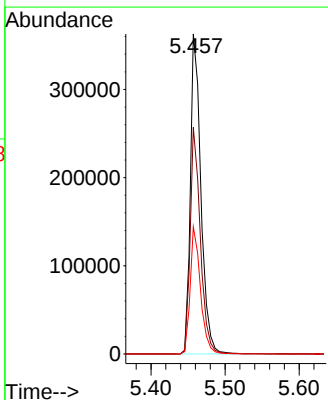
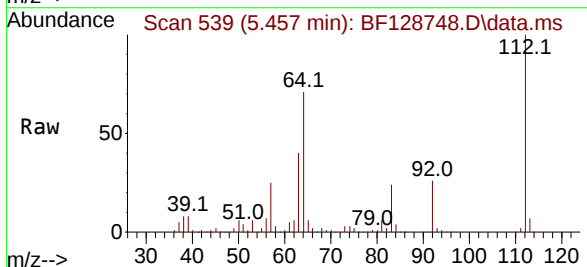
Instrument :
BNA_F
ClientSampleId :
CR-2

Tgt Ion:152 Resp: 73442
Ion Ratio Lower Upper
152 100
150 161.9 123.7 185.5
115 71.0 49.9 74.9



#5
2-Fluorophenol
Concen: 77.733 ng
RT: 5.457 min Scan# 539
Delta R.T. -0.000 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

Tgt Ion:112 Resp: 358408
Ion Ratio Lower Upper
112 100
64 70.8 53.3 79.9
63 39.7 28.0 42.0

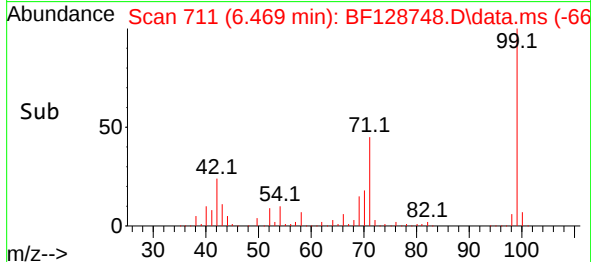
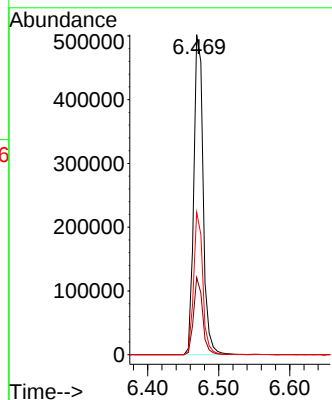
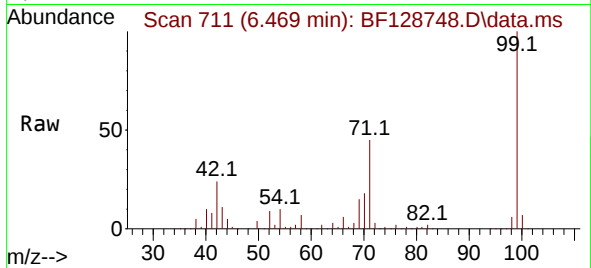




#7
Phenol-d6
Concen: 82.109 ng
RT: 6.469 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

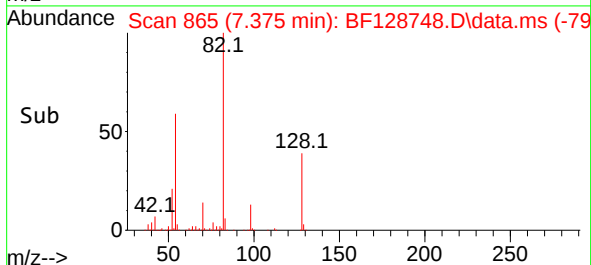
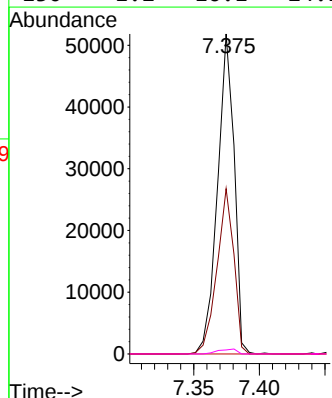
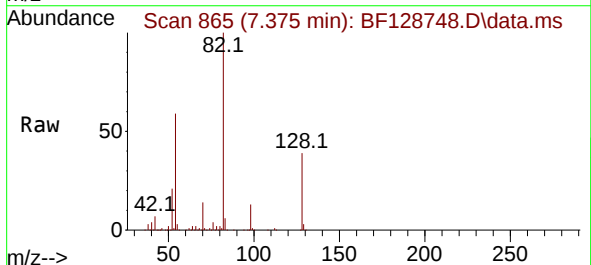
Instrument :
BNA_F
ClientSampleId :
CR-2

Tgt Ion: 99 Resp: 462129
Ion Ratio Lower Upper
99 100
42 24.1 17.3 25.9
71 44.5 28.9 43.3#



#19
n-Nitroso-di-n-propylamine
Concen: 13.049 ng
RT: 7.375 min Scan# 865
Delta R.T. 0.141 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

Tgt Ion: 70 Resp: 45665
Ion Ratio Lower Upper
70 100
42 51.6 52.3 78.5#
101 0.0 7.5 11.3#
130 1.2 16.1 24.1#

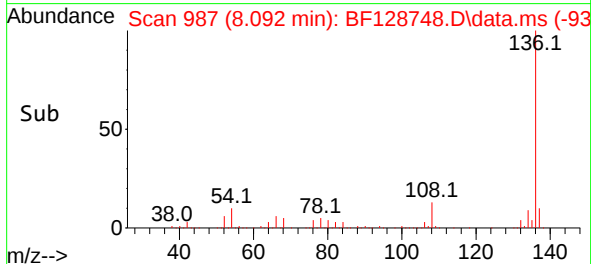
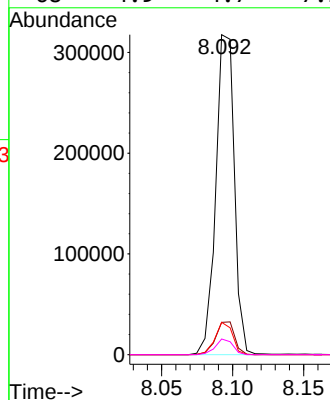
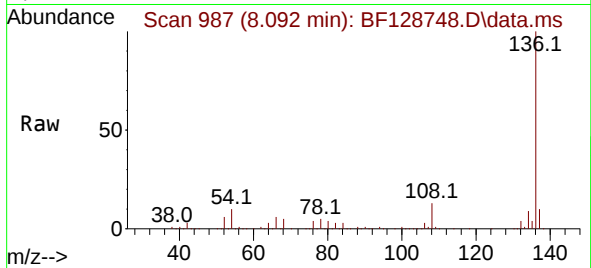




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

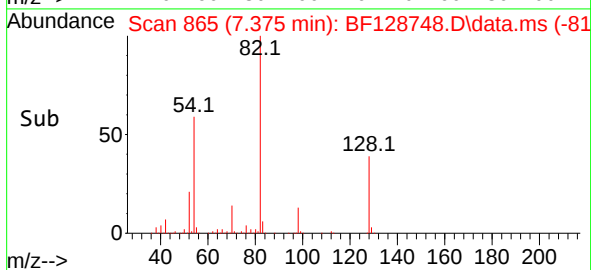
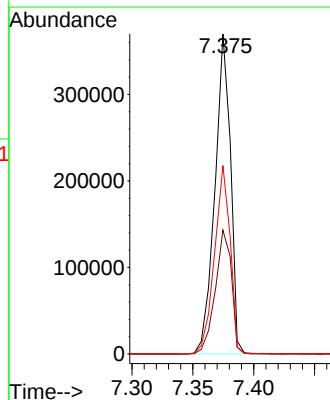
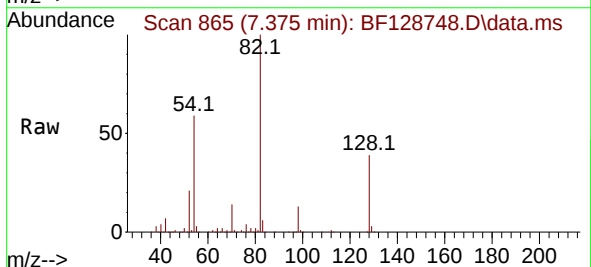
Instrument :
BNA_F
ClientSampleId :
CR-2

Tgt Ion:136 Resp: 288551
Ion Ratio Lower Upper
136 100
137 10.1 8.8 13.2
54 10.1 7.5 11.3
68 4.9 4.7 7.1



#23
Nitrobenzene-d5
Concen: 53.070 ng
RT: 7.375 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

Tgt Ion: 82 Resp: 328908
Ion Ratio Lower Upper
82 100
128 38.7 34.0 51.0
54 58.9 46.9 70.3

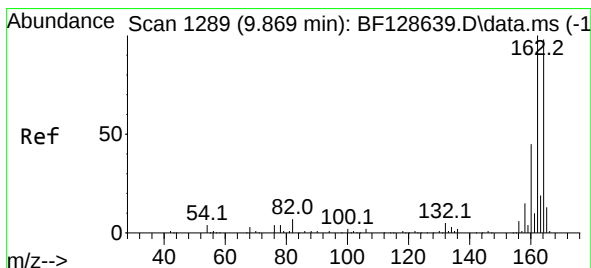
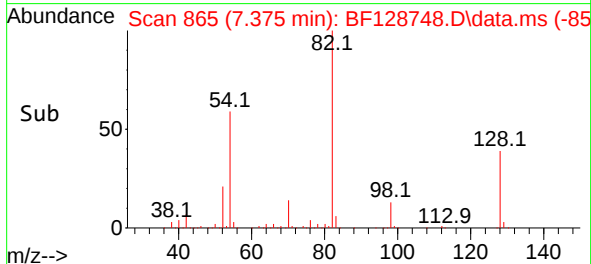
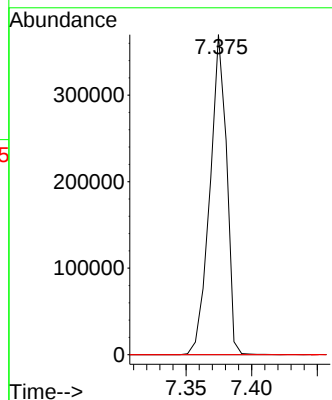
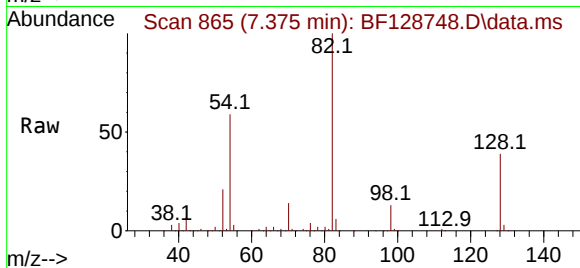




#25
Isophorone
Concen: 34.942 ng
RT: 7.375 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

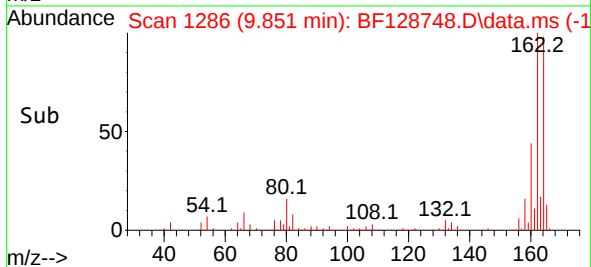
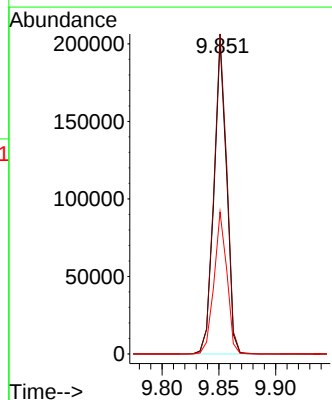
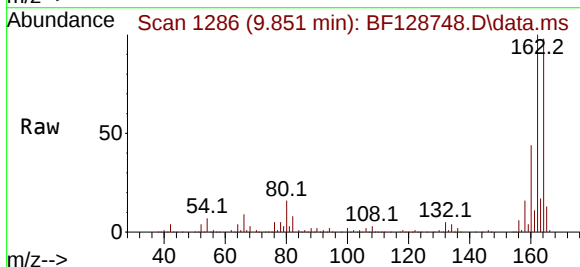
Instrument :
BNA_F
ClientSampleId :
CR-2

Tgt Ion: 82 Resp: 328903
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: 9.851 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

Tgt Ion:164 Resp: 156483
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 45.4 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 67.601 ng

RT: 10.645 min Scan# 1421

Delta R.T. -0.006 min

Lab File: BF128748.D

Acq: 09 Jun 2022 14:44

Instrument :

BNA_F

ClientSampleId :

CR-2

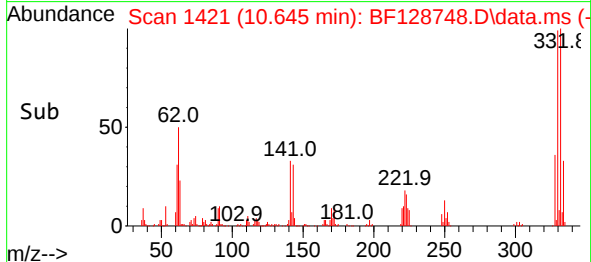
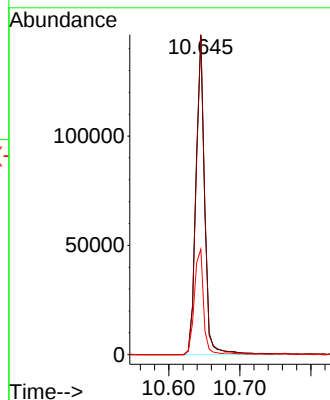
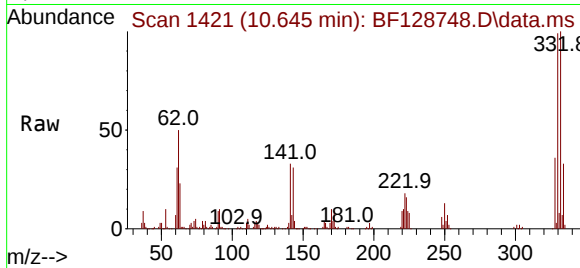
Tgt Ion:330 Resp: 124990

Ion Ratio Lower Upper

330 100

332 99.4 76.8 115.2

141 34.7 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 50.981 ng

RT: 9.175 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF128748.D

Acq: 09 Jun 2022 14:44

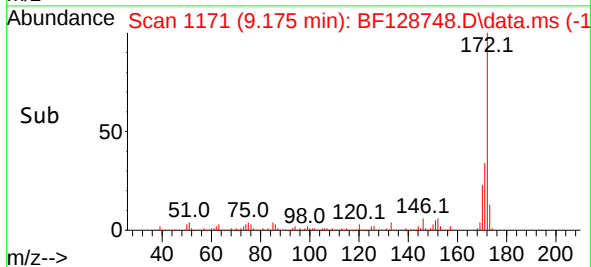
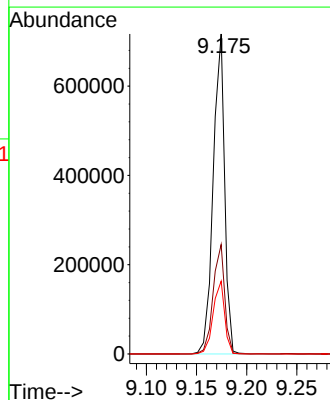
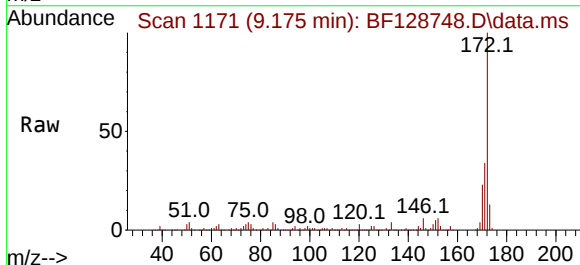
Tgt Ion:172 Resp: 569505

Ion Ratio Lower Upper

172 100

171 34.2 28.8 43.2

170 22.7 19.8 29.8

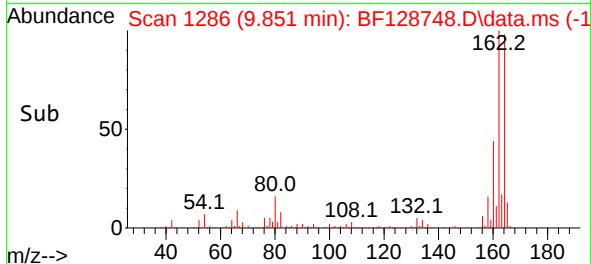
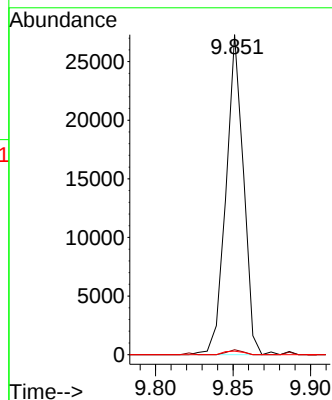
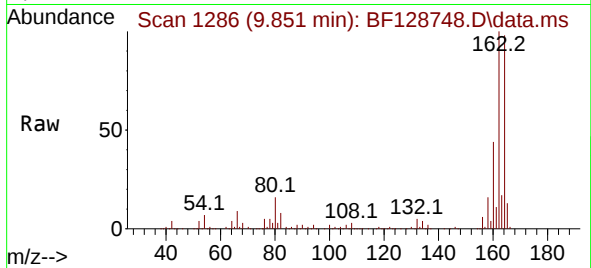




#51
2,6-Dinitrotoluene
Concen: 10.126 ng
RT: 9.851 min Scan# 1286
Delta R.T. 0.206 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

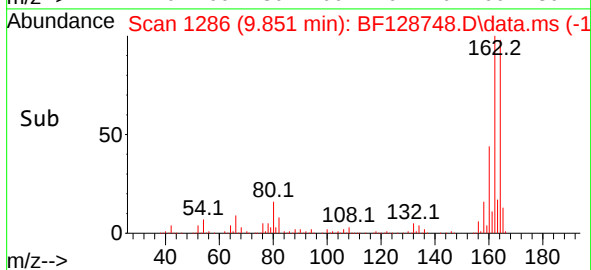
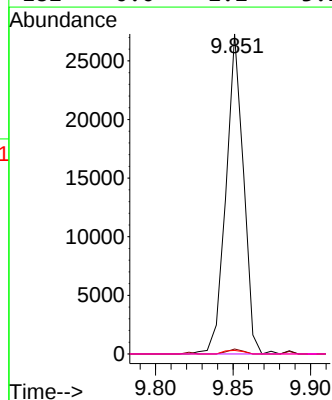
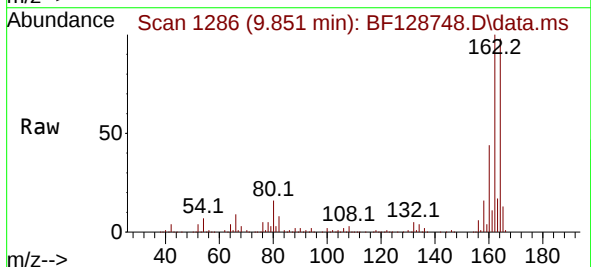
Instrument :
BNA_F
ClientSampleId :
CR-2

Tgt Ion:165 Resp: 21406
Ion Ratio Lower Upper
165 100
63 1.5 44.9 67.3#
89 1.1 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 7.587 ng
RT: 9.851 min Scan# 1286
Delta R.T. -0.194 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

Tgt Ion:165 Resp: 21406
Ion Ratio Lower Upper
165 100
63 1.5 39.8 59.6#
89 1.1 60.2 90.2#
182 0.0 2.2 3.2#

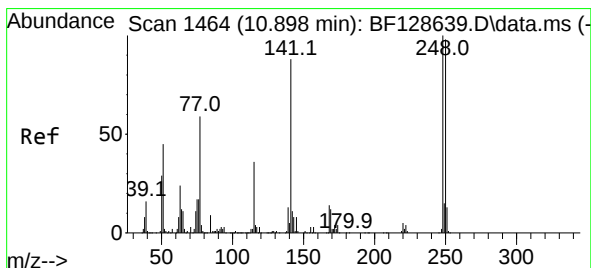
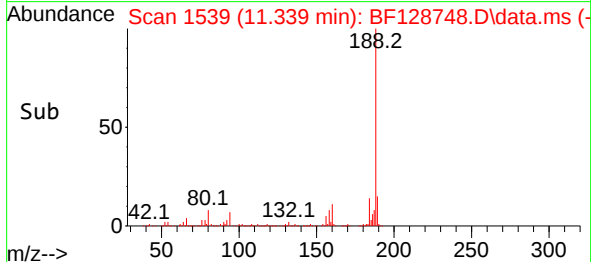
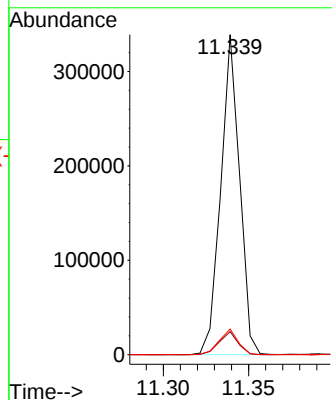
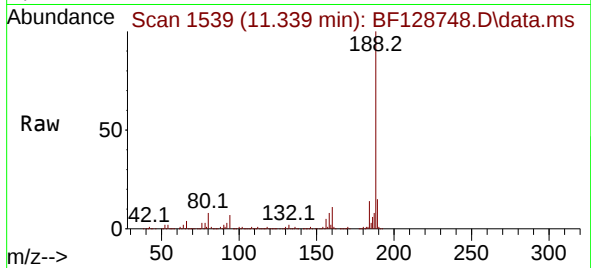




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

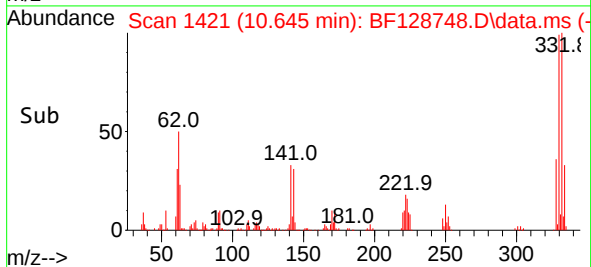
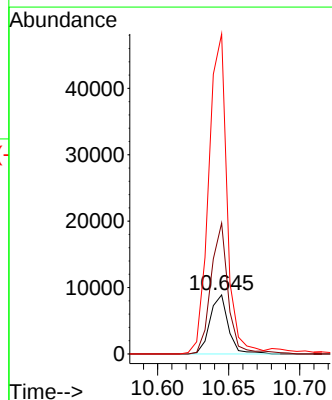
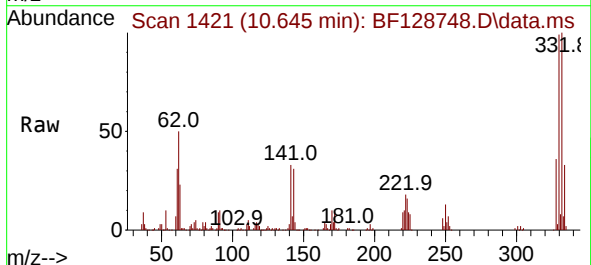
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ClientSampleId :
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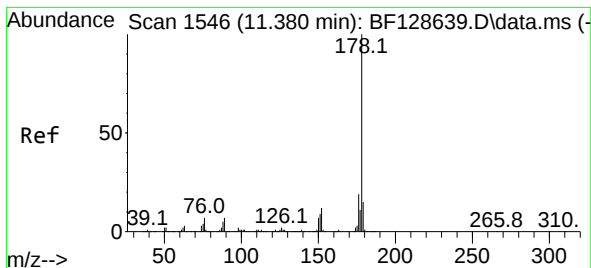
Tgt Ion:188 Resp: 260436
Ion Ratio Lower Upper
188 100
94 7.2 7.0 10.6
80 8.0 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 2.758 ng
RT: 10.645 min Scan# 1421
Delta R.T. -0.241 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

Tgt Ion:248 Resp: 8011
Ion Ratio Lower Upper
248 100
250 221.6 80.6 120.8#
141 541.6 58.9 88.3#





#71

Phenanthrene

Concen: 4.450 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128748.D

Acq: 09 Jun 2022 14:44

Instrument :

BNA_F

ClientSampleId :

CR-2

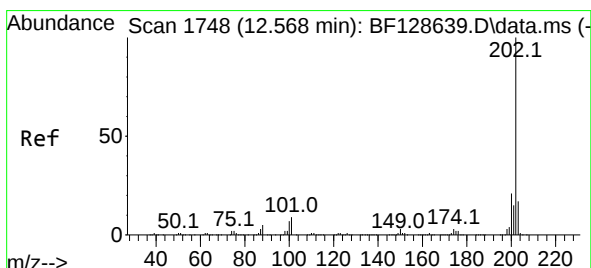
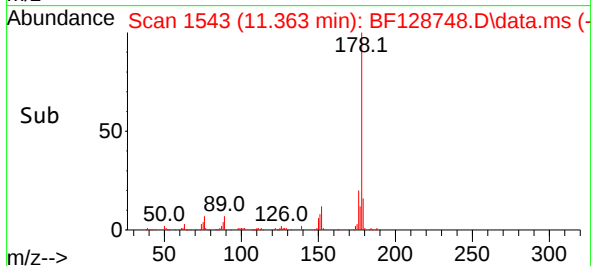
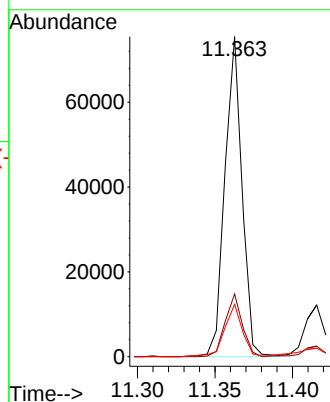
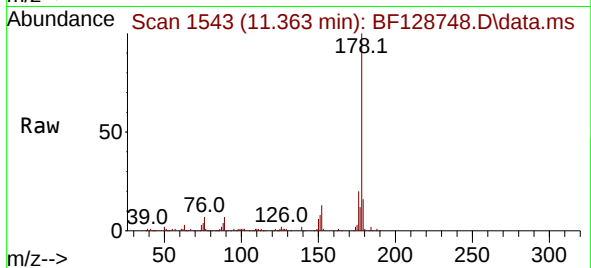
Tgt Ion:178 Resp: 58127

Ion Ratio Lower Upper

178 100

176 19.6 16.0 24.0

179 16.4 12.6 19.0



#75

Fluoranthene

Concen: 5.317 ng

RT: 12.551 min Scan# 1745

Delta R.T. -0.006 min

Lab File: BF128748.D

Acq: 09 Jun 2022 14:44

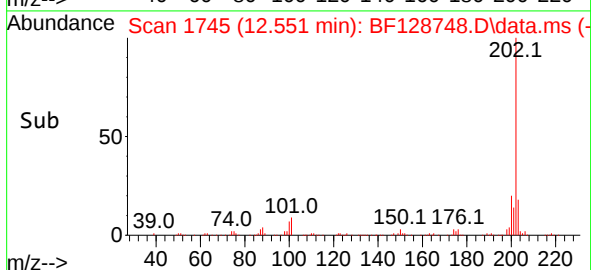
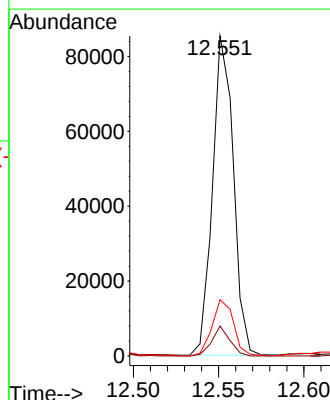
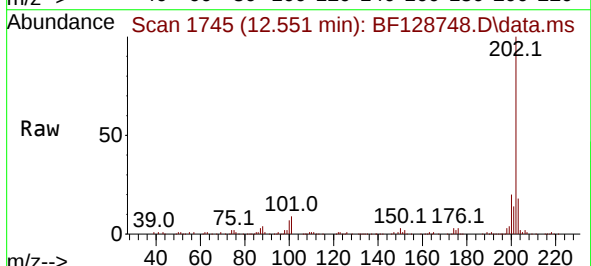
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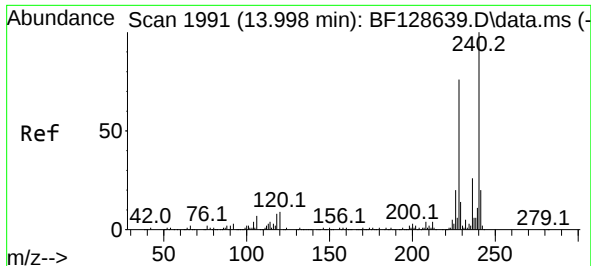
Ion Ratio Lower Upper

202 100

101 9.3 0.0 31.4

203 17.6 0.0 38.0

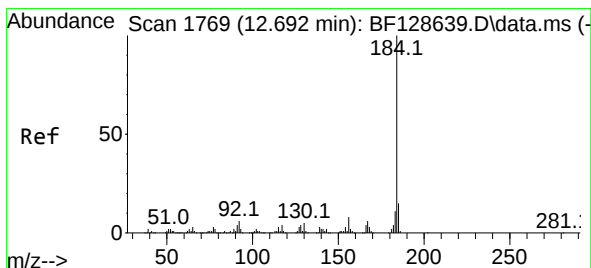
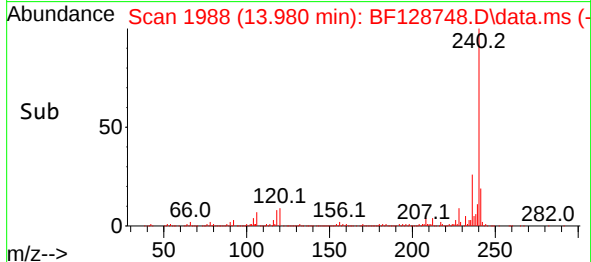
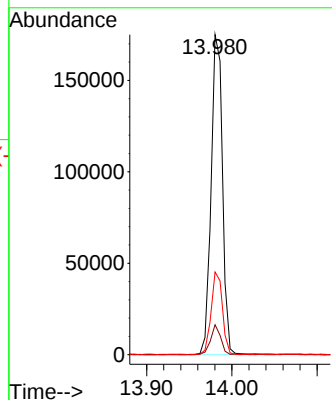
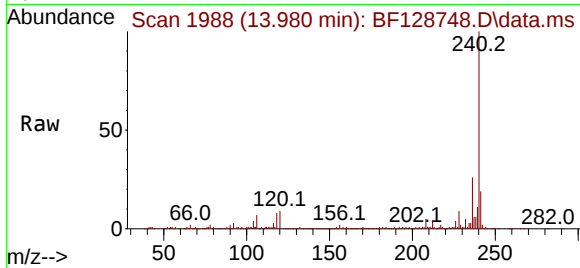




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

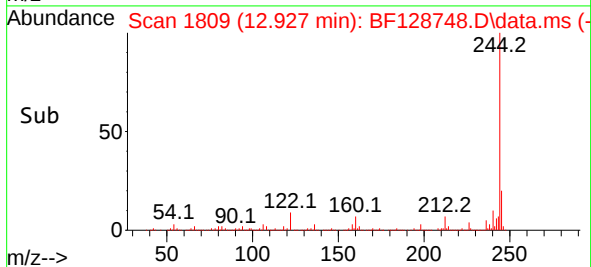
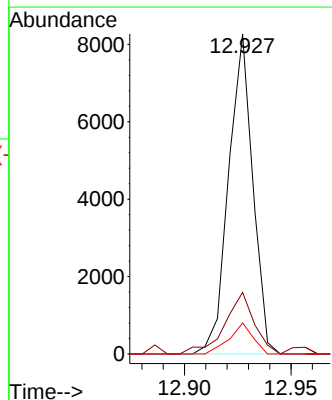
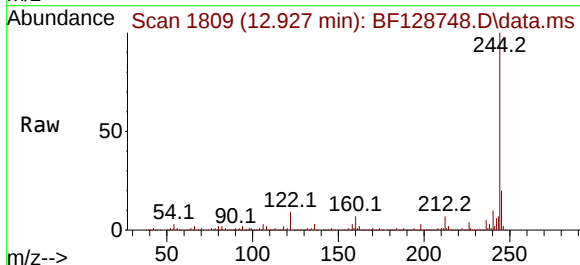
Instrument :
BNA_F
ClientSampleId :
CR-2

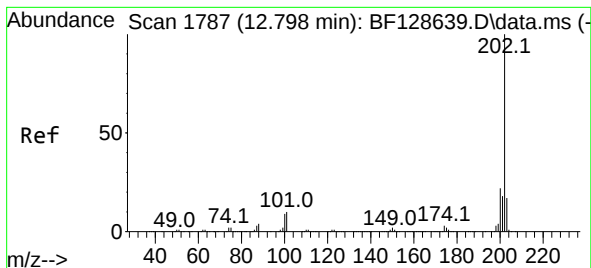
Tgt Ion:240 Resp: 162303
Ion Ratio Lower Upper
240 100
120 9.3 8.9 13.3
236 25.9 20.8 31.2



#77
Benzidine
Concen: 2.020 ng
RT: 12.927 min Scan# 1809
Delta R.T. 0.247 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

Tgt Ion:184 Resp: 6534
Ion Ratio Lower Upper
184 100
185 19.2 11.9 17.9#
183 9.7 9.3 13.9





#78

Pyrene

Concen: 6.931 ng

RT: 12.780 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128748.D

Acq: 09 Jun 2022 14:44

Instrument :

BNA_F

ClientSampleId :

CR-2

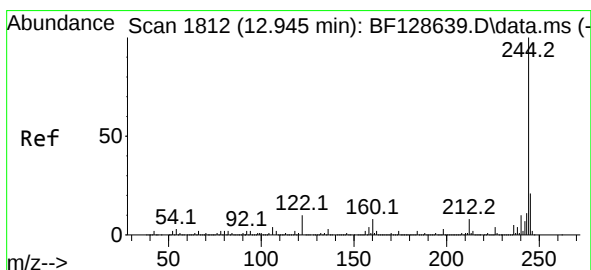
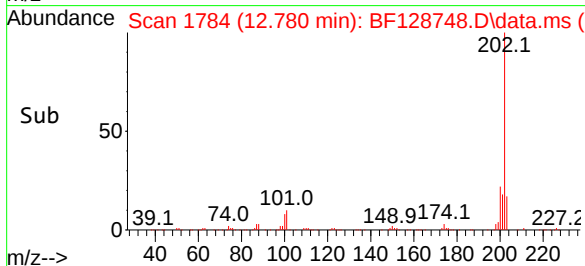
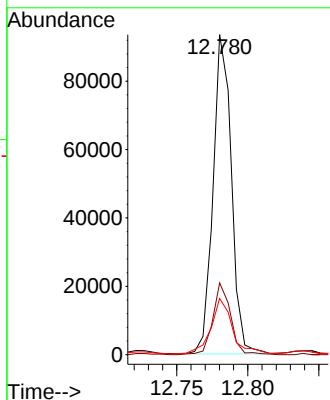
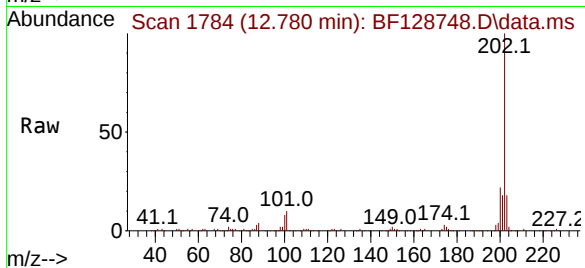
Tgt Ion:202 Resp: 83689

Ion Ratio Lower Upper

202 100

200 22.4 17.7 26.5

203 17.6 14.6 21.8



#79

Terphenyl-d14

Concen: 48.380 ng

RT: 12.927 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF128748.D

Acq: 09 Jun 2022 14:44

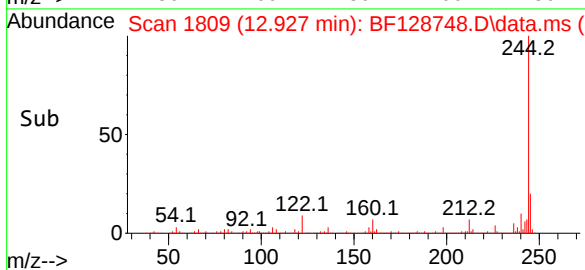
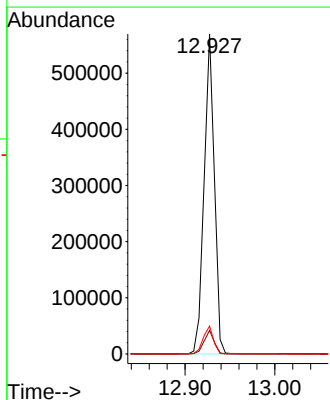
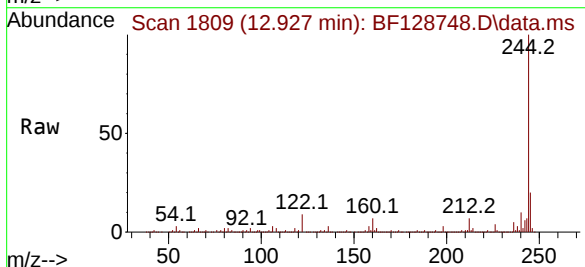
Tgt Ion:244 Resp: 451887

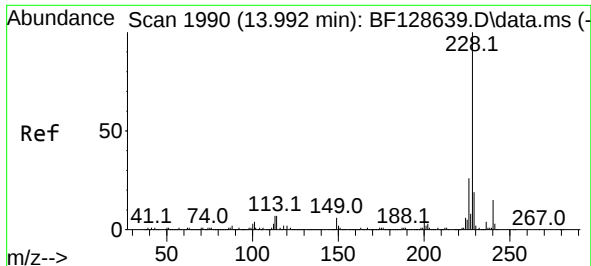
Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 8.7 8.8 13.2#

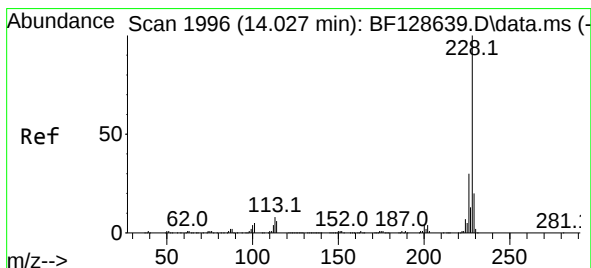
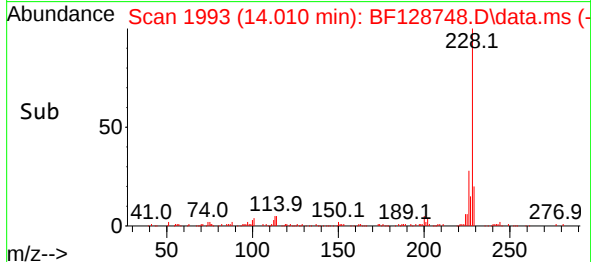
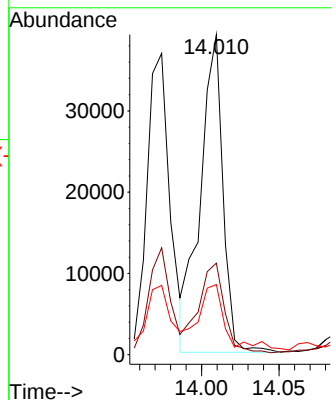
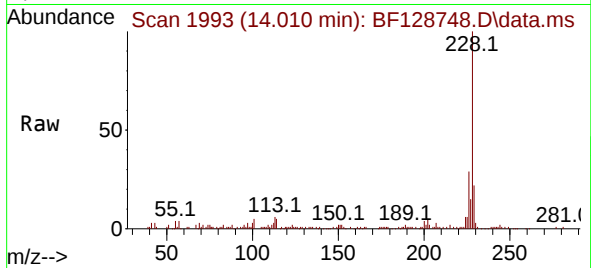




#81
Benzo(a)anthracene
Concen: 3.936 ng
RT: 14.010 min Scan# 1993
Delta R.T. 0.035 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

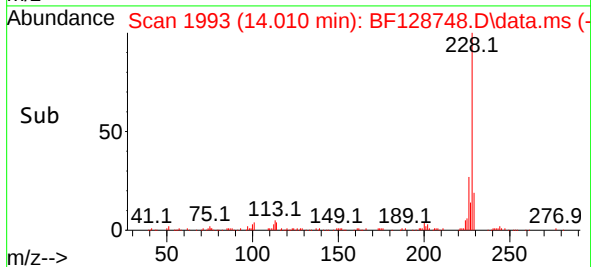
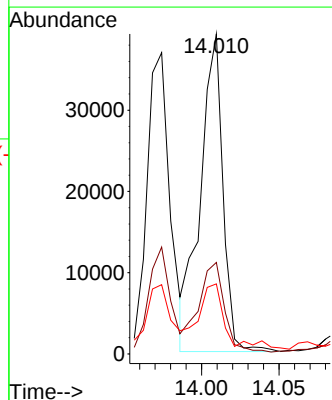
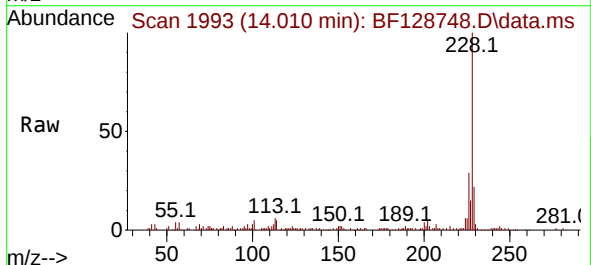
Instrument :
BNA_F
ClientSampleId :
CR-2

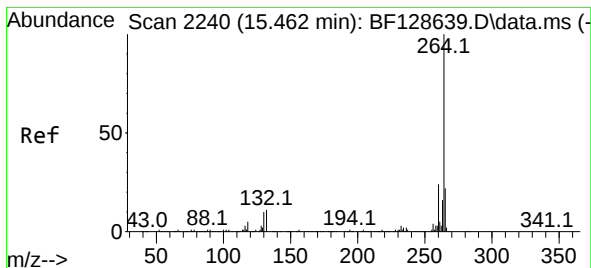
Tgt Ion:228 Resp: 39823
Ion Ratio Lower Upper
228 100
226 28.6 22.1 33.1
229 21.9 15.8 23.8



#83
Chrysene
Concen: 4.129 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

Tgt Ion:228 Resp: 39823
Ion Ratio Lower Upper
228 100
226 28.6 24.3 36.5
229 21.9 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2165

Delta R.T. -0.000 min

Lab File: BF128748.D

Acq: 09 Jun 2022 14:44

Instrument :

BNA_F

ClientSampleId :

CR-2

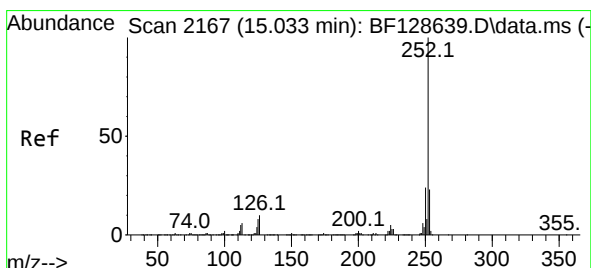
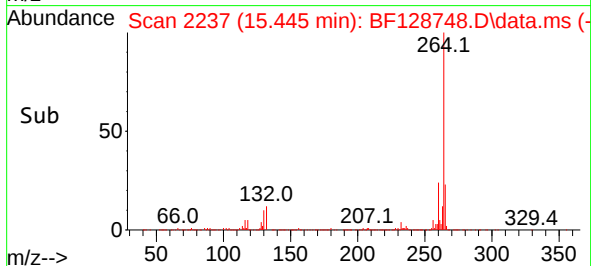
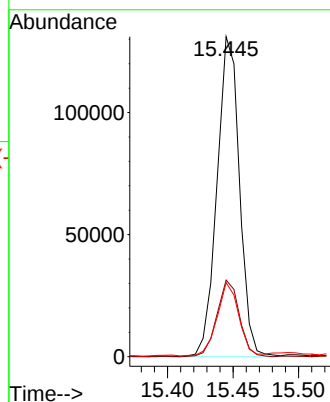
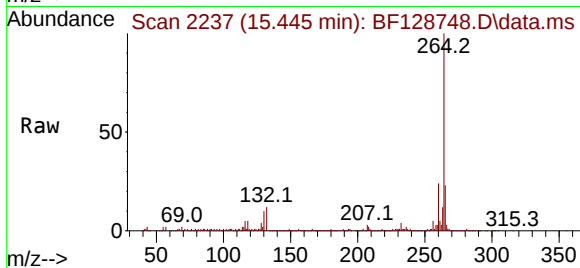
Tgt Ion:264 Resp: 156064

Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 23.2 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 5.963 ng

RT: 15.021 min Scan# 2165

Delta R.T. -0.000 min

Lab File: BF128748.D

Acq: 09 Jun 2022 14:44

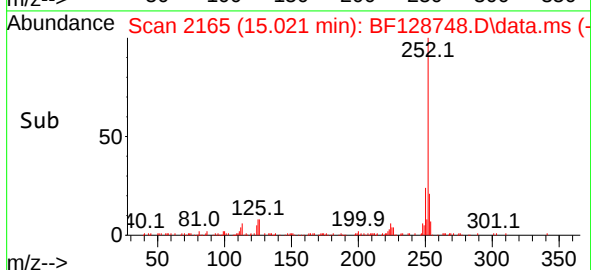
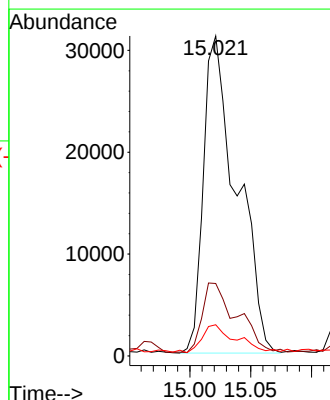
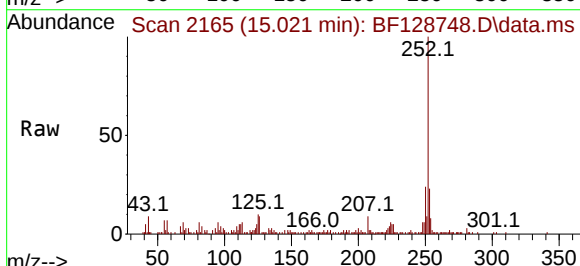
Tgt Ion:252 Resp: 59466

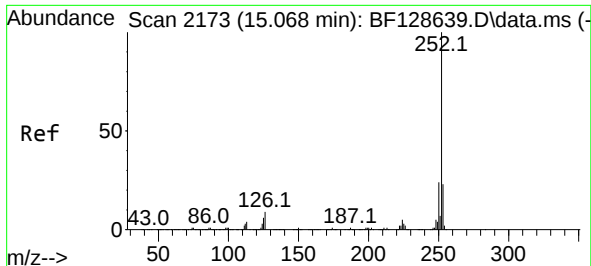
Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 9.8 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 6.339 ng

RT: 15.021 min Scan# 2165

Delta R.T. -0.030 min

Lab File: BF128748.D

Acq: 09 Jun 2022 14:44

Instrument :

BNA_F

ClientSampleId :

CR-2

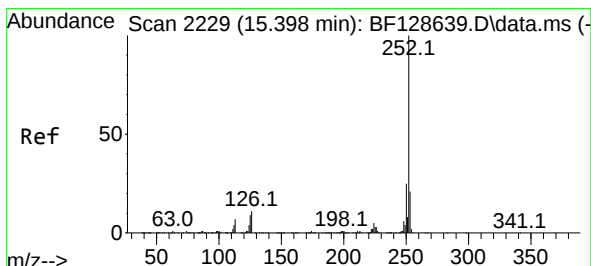
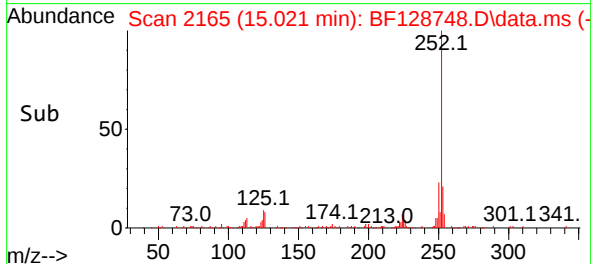
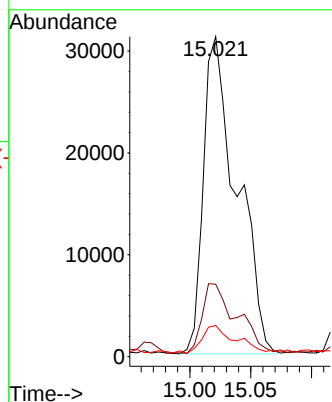
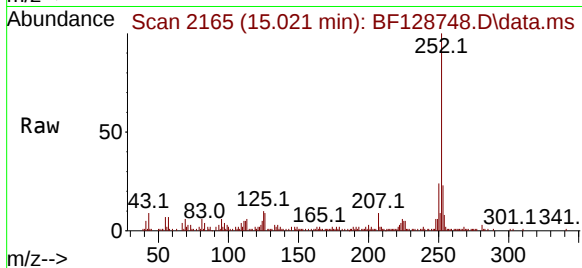
Tgt Ion:252 Resp: 59466

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 9.8 8.3 12.5



#90

Benzo(a)pyrene

Concen: 4.808 ng

RT: 15.380 min Scan# 2226

Delta R.T. -0.006 min

Lab File: BF128748.D

Acq: 09 Jun 2022 14:44

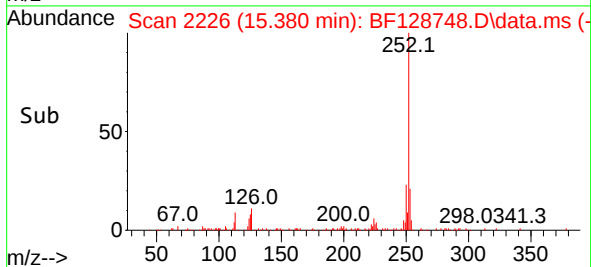
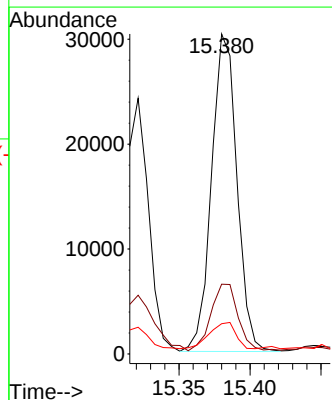
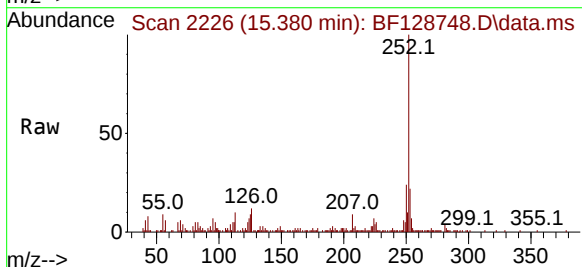
Tgt Ion:252 Resp: 37683

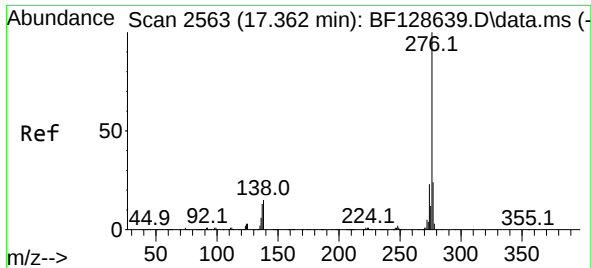
Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.6

125 9.4 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.167 ng
 RT: 17.333 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF128748.D
 Acq: 09 Jun 2022 14:44

Instrument :
 BNA_F
 ClientSampleId :
 CR-2

Tgt Ion:276 Resp: 24492
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.1 28.7
 138 18.2 18.0 27.0

