

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060222\
 Data File : BF128664.D
 Acq On : 03 Jun 2022 04:07
 Operator : CG\JU
 Sample : N3099-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20220429-AMENDED-COMPOSITE-I

Quant Time: Jun 03 04:38:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

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

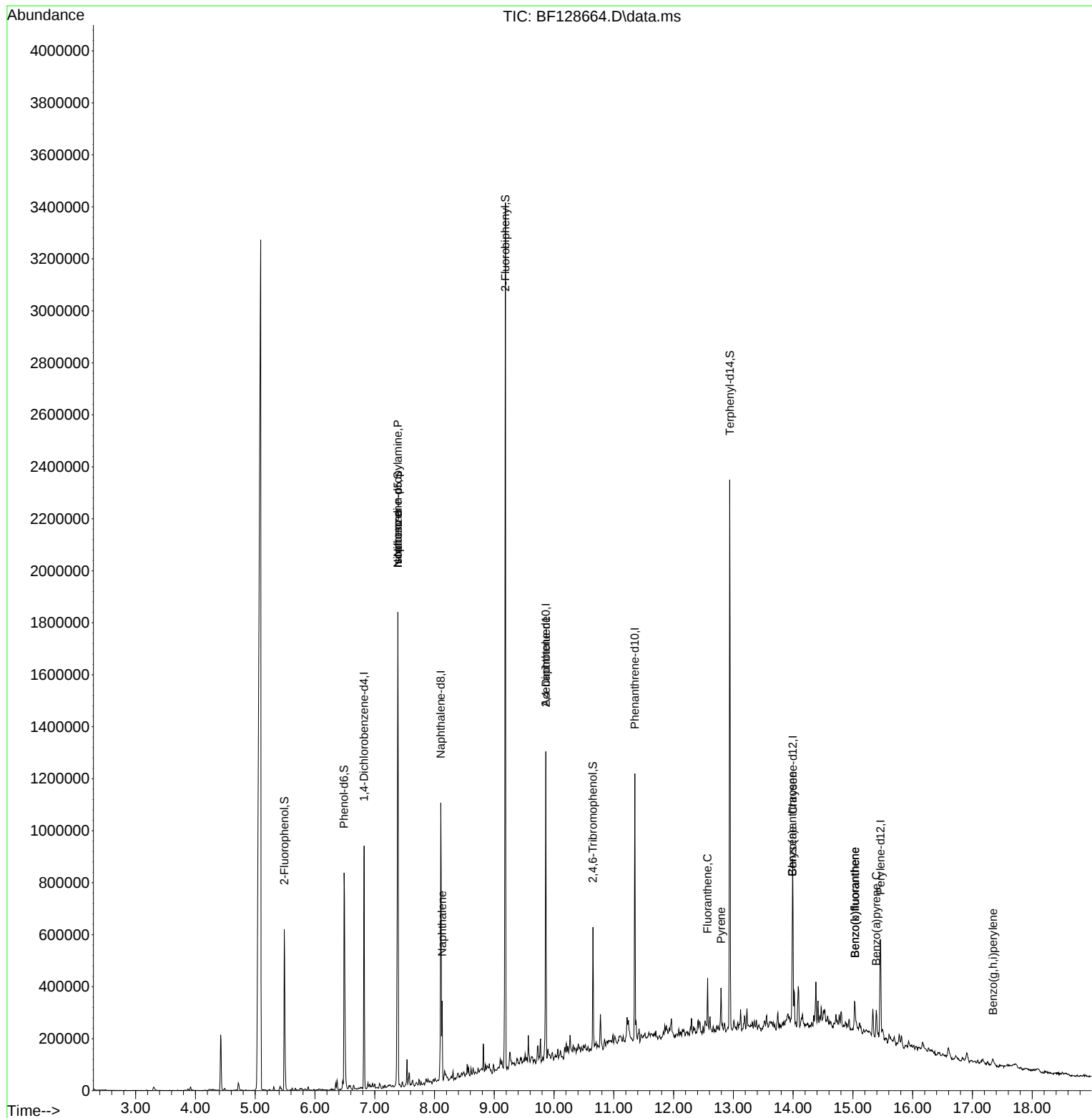
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	110788	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	416744	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	209653	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	323358	20.000	ng	# 0.00
76) Chrysene-d12	13.992	240	191777	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	184913	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	145245	20.882	ng	0.01
7) Phenol-d6	6.487	99	287672	33.883	ng	-0.01
23) Nitrobenzene-d5	7.387	82	603233	67.393	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	43020	17.367	ng	-0.01
45) 2-Fluorobiphenyl	9.187	172	908447	60.698	ng	0.00
79) Terphenyl-d14	12.939	244	667115	60.445	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.387	70	88971	16.854	ng	# 82
25) Isophorone	7.387	82	600791	44.194	ng	# 66
31) Naphthalene	8.128	128	107571	5.030	ng	100
57) 2,4-Dinitrotoluene	9.863	165	27728	7.336	ng	# 22
75) Fluoranthene	12.569	202	59279	3.497	ng	96
78) Pyrene	12.792	202	66377	4.652	ng	98
81) Benzo(a)anthracene	13.986	228	65309	5.463	ng	92
83) Chrysene	13.986	228	65474	5.745	ng	95
88) Benzo(b)fluoranthene	15.033	252	74374	6.295	ng	95
89) Benzo(k)fluoranthene	15.033	252	74374	6.691	ng	95
90) Benzo(a)pyrene	15.392	252	49303	5.309	ng	94
92) Benzo(g,h,i)perylene	17.345	276	20911	2.282	ng	95

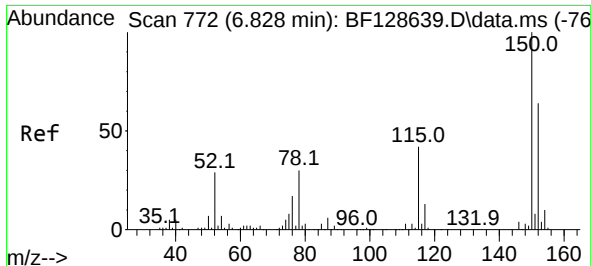
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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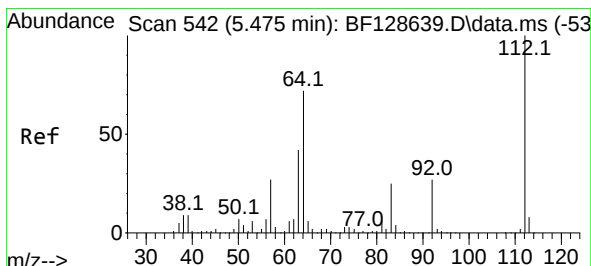
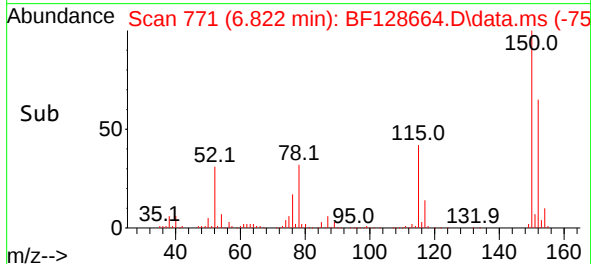
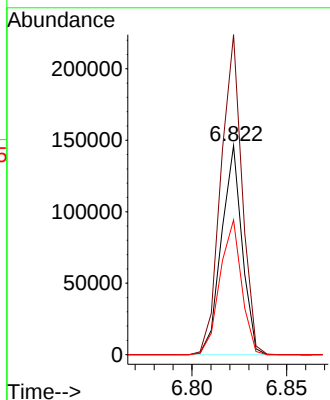
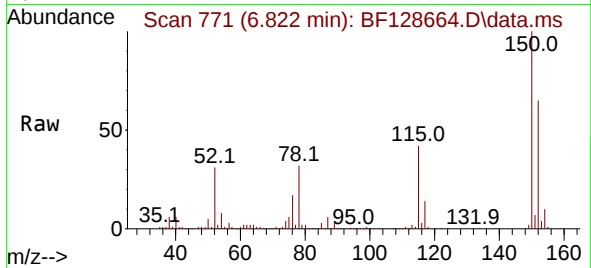




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

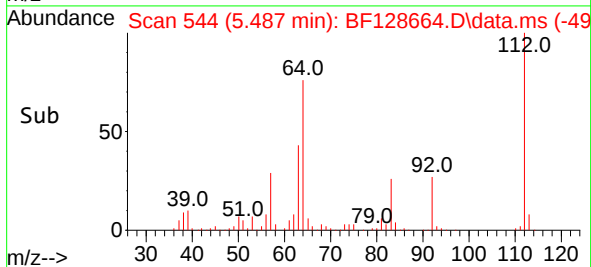
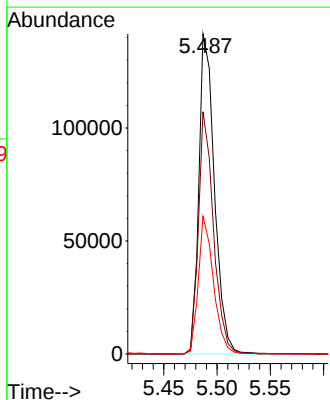
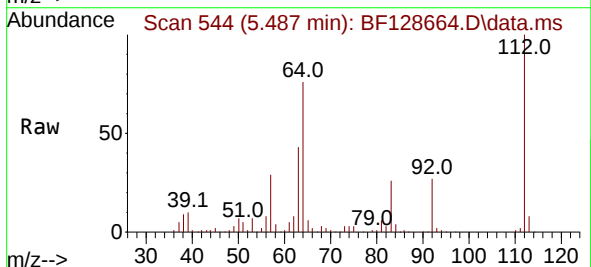
Instrument :
BNA_F
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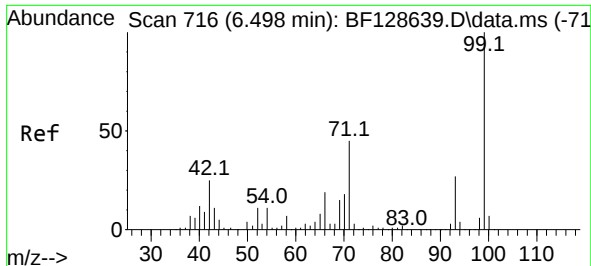
Tgt Ion:152 Resp: 110788
Ion Ratio Lower Upper
152 100
150 153.0 123.7 185.5
115 64.4 49.9 74.9



#5
2-Fluorophenol
Concen: 20.882 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.012 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

Tgt Ion:112 Resp: 145245
Ion Ratio Lower Upper
112 100
64 75.7 53.3 79.9
63 43.0 28.0 42.0#

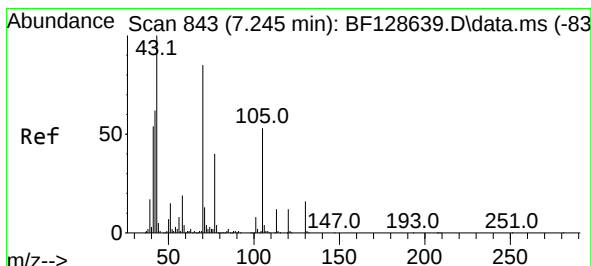
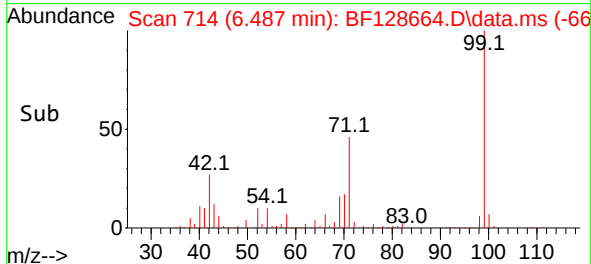
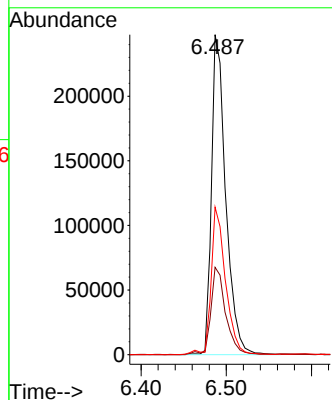
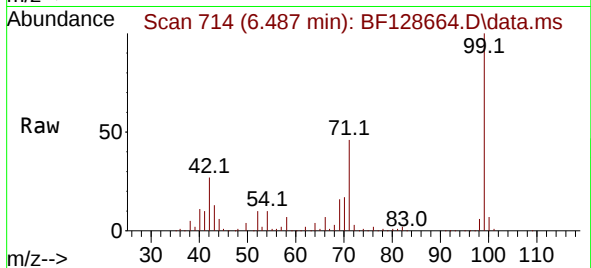




#7
Phenol-d6
Concen: 33.883 ng
RT: 6.487 min Scan# 716
Delta R.T. -0.011 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

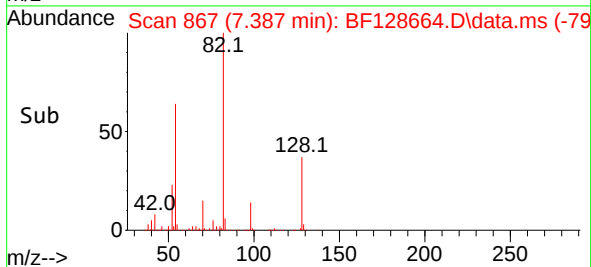
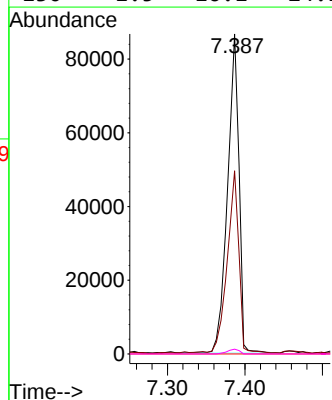
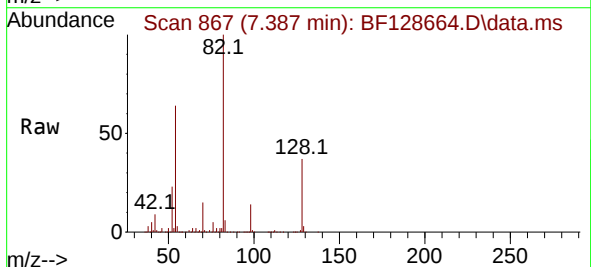
Instrument :
BNA_F
ClientSampleId :
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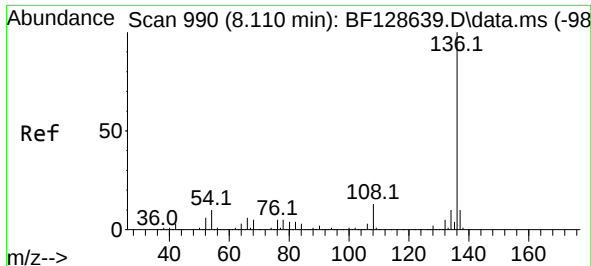
Tgt Ion: 99 Resp: 287672
Ion Ratio Lower Upper
99 100
42 27.3 17.3 25.9#
71 46.1 28.9 43.3#



#19
n-Nitroso-di-n-propylamine
Concen: 16.854 ng
RT: 7.387 min Scan# 867
Delta R.T. 0.141 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

Tgt Ion: 70 Resp: 88971
Ion Ratio Lower Upper
70 100
42 57.3 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: 8.104 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF128664.D

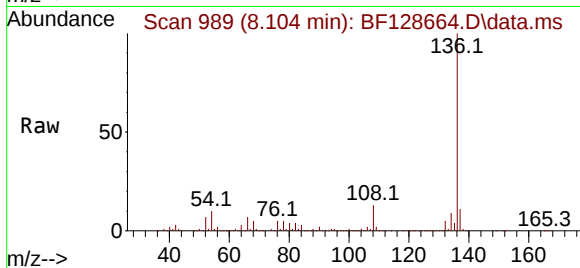
Acq: 03 Jun 2022 04:07

Instrument :

BNA_F

ClientSampleId :

20220429-AMENDED-COMPOSITE-I



Tgt Ion:136 Resp: 416744

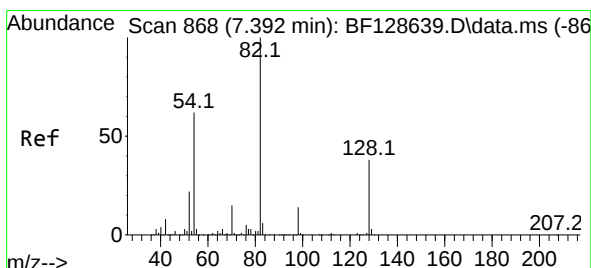
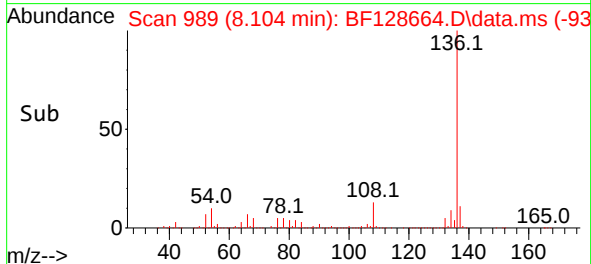
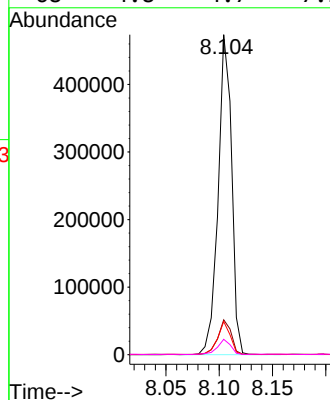
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 10.4 7.5 11.3

68 4.8 4.7 7.1



#23

Nitrobenzene-d5

Concen: 67.393 ng

RT: 7.387 min Scan# 867

Delta R.T. -0.005 min

Lab File: BF128664.D

Acq: 03 Jun 2022 04:07

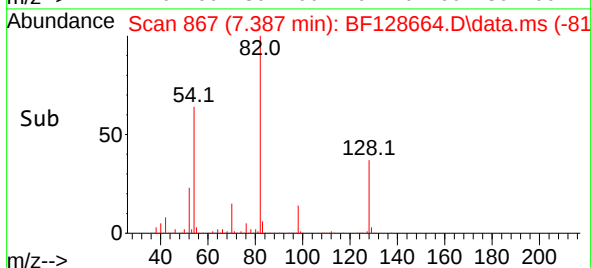
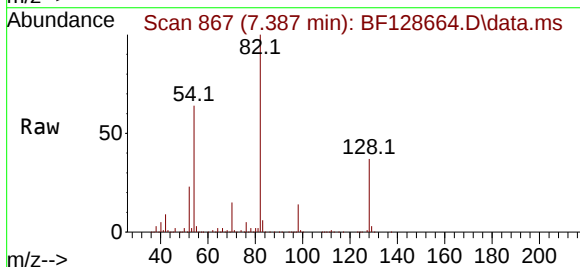
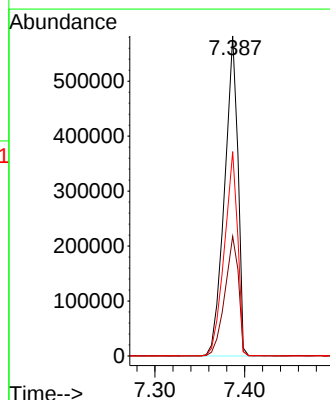
Tgt Ion: 82 Resp: 603233

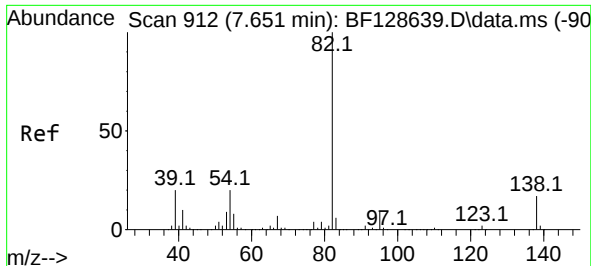
Ion Ratio Lower Upper

82 100

128 37.4 34.0 51.0

54 63.8 46.9 70.3

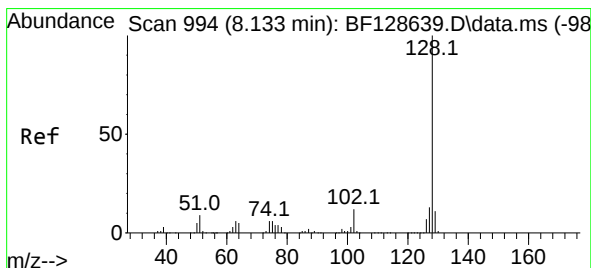
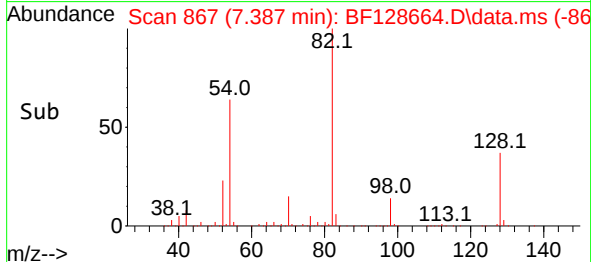
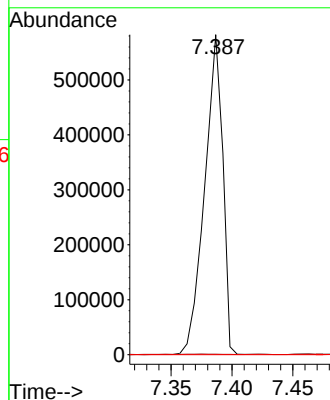
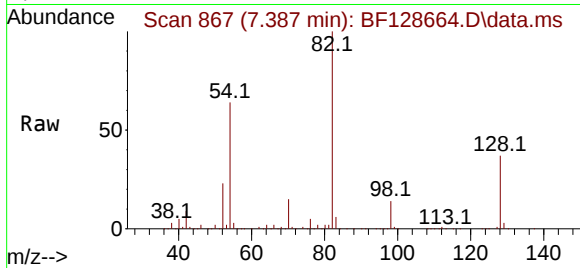




#25
Isophorone
Concen: 44.194 ng
RT: 7.387 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

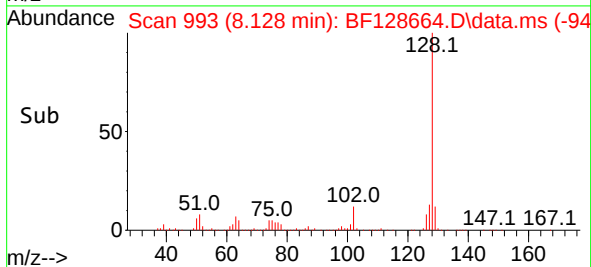
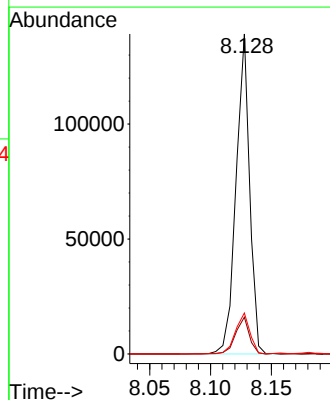
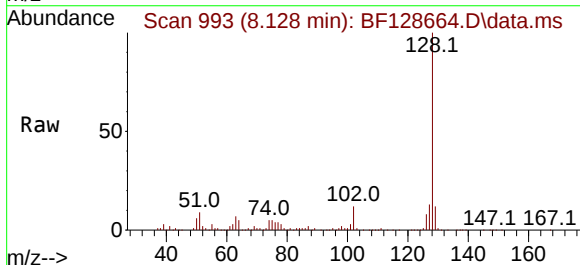
Instrument :
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ClientSampleId :
20220429-AMENDED-COMPOSITE-I

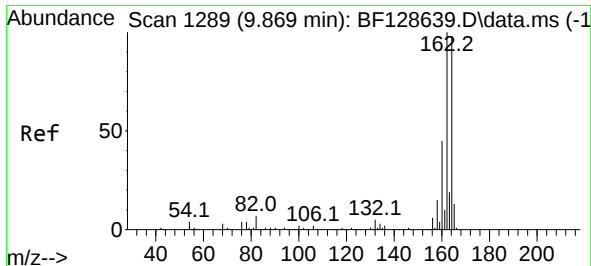
Tgt Ion: 82 Resp: 600791
Ion Ratio Lower Upper
82 100
95 0.2 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 5.030 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

Tgt Ion:128 Resp: 107571
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 12.8 10.5 15.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1289

Delta R.T. -0.006 min

Lab File: BF128664.D

Acq: 03 Jun 2022 04:07

Instrument :

BNA_F

ClientSampleId :

20220429-AMENDED-COMPOSITE-I

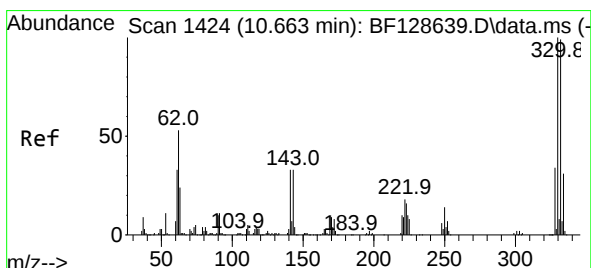
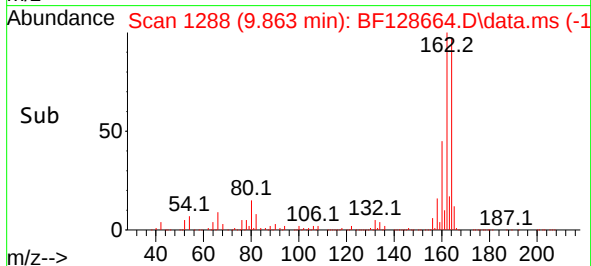
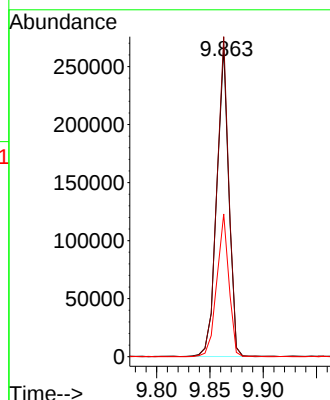
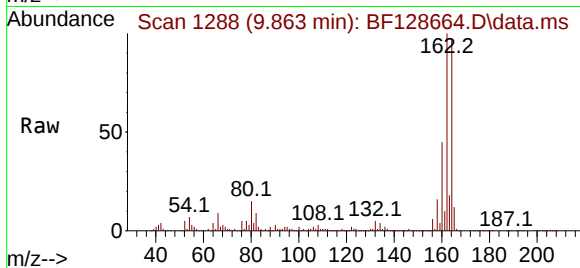
Tgt Ion:164 Resp: 209653

Ion Ratio Lower Upper

164 100

162 103.5 79.5 119.3

160 46.2 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 17.367 ng

RT: 10.651 min Scan# 1422

Delta R.T. -0.012 min

Lab File: BF128664.D

Acq: 03 Jun 2022 04:07

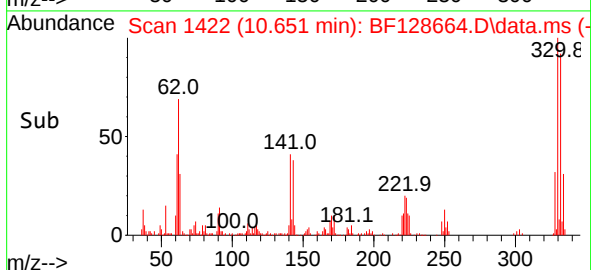
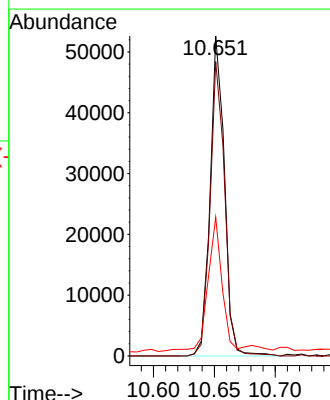
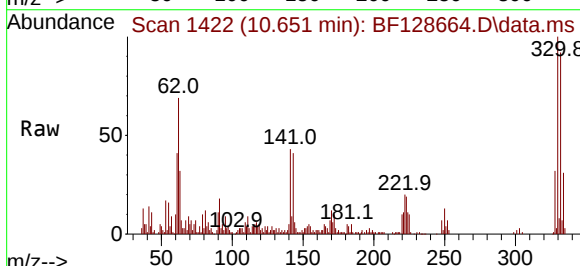
Tgt Ion:330 Resp: 43020

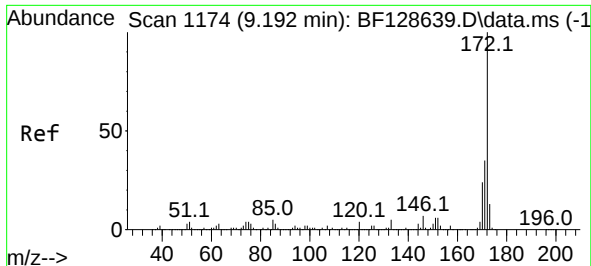
Ion Ratio Lower Upper

330 100

332 93.1 76.8 115.2

141 41.7 28.0 42.0

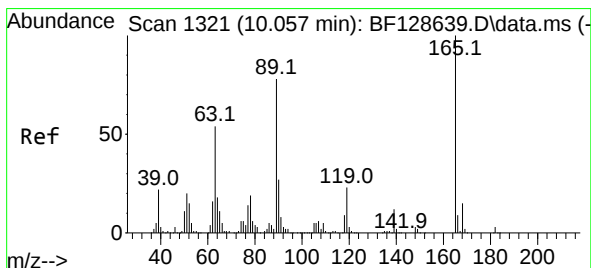
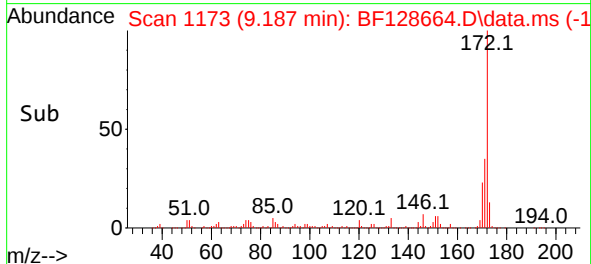
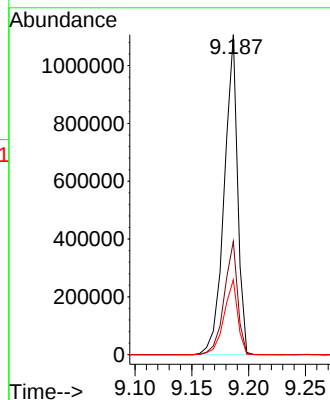
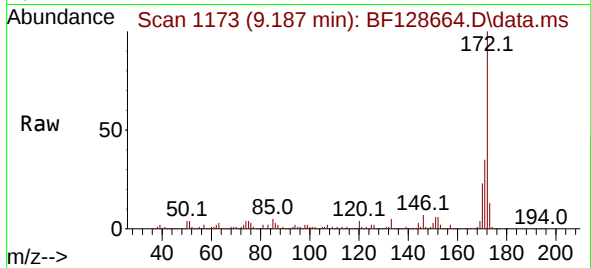




#45
2-Fluorobiphenyl
Concen: 60.698 ng
RT: 9.187 min Scan# 1174
Delta R.T. -0.005 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

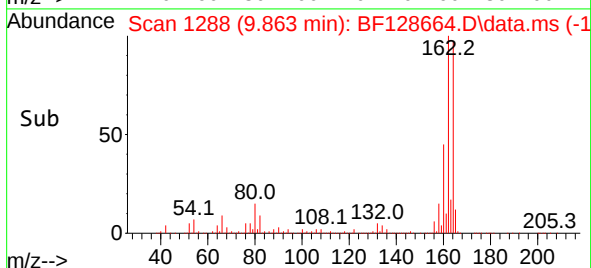
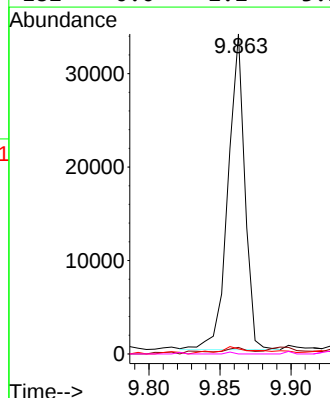
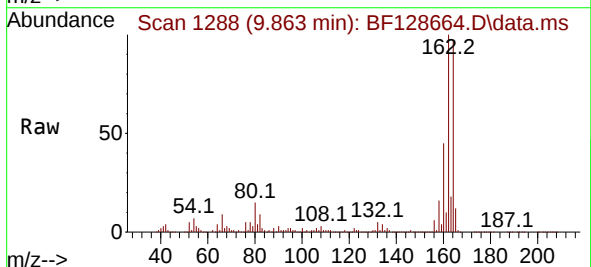
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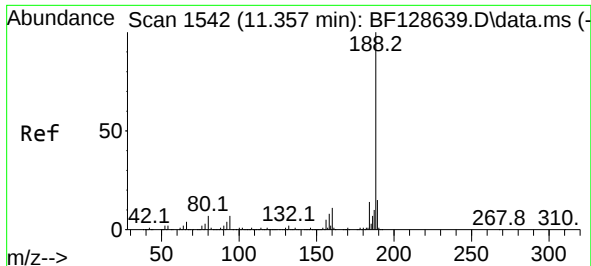
Tgt Ion:172 Resp: 908447
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.4 19.8 29.8



#57
2,4-Dinitrotoluene
Concen: 7.336 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.194 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

Tgt Ion:165 Resp: 27728
Ion Ratio Lower Upper
165 100
63 2.0 39.8 59.6#
89 1.6 60.2 90.2#
182 0.0 2.2 3.2#

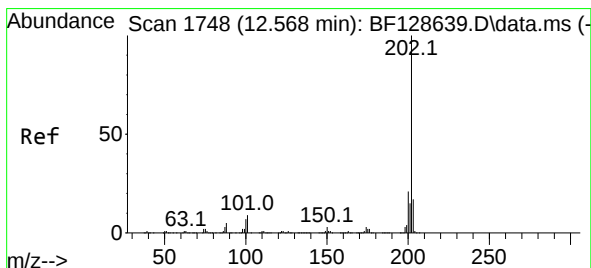
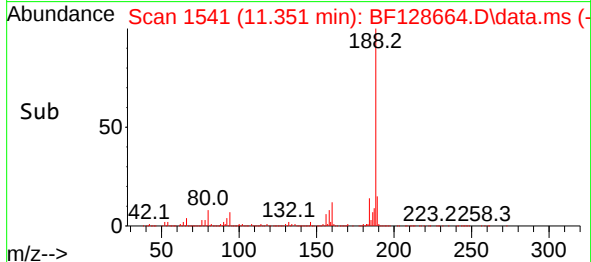
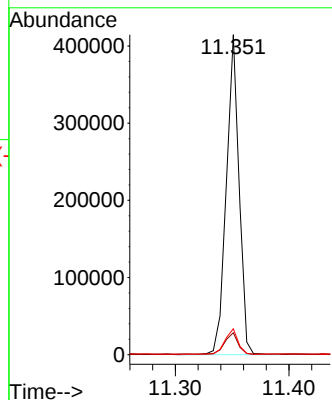
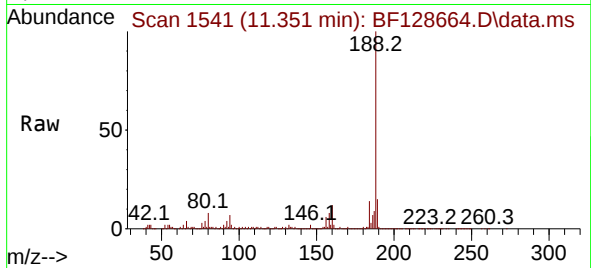




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

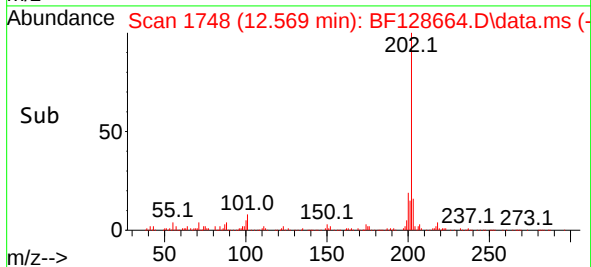
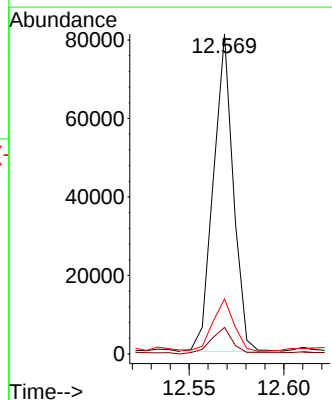
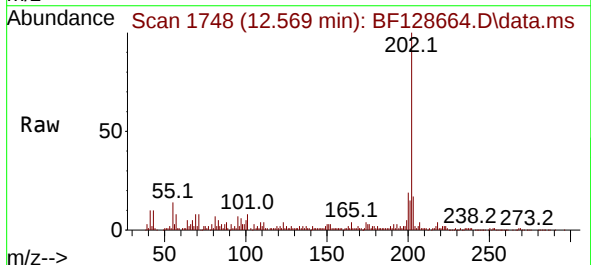
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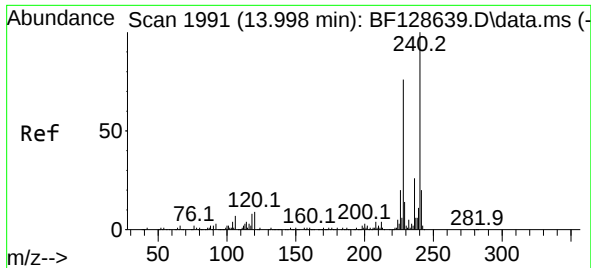
Tgt Ion:188 Resp: 323358
Ion Ratio Lower Upper
188 100
94 6.8 7.0 10.6#
80 8.1 7.6 11.4



#75
Fluoranthene
Concen: 3.497 ng
RT: 12.569 min Scan# 1748
Delta R.T. 0.000 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

Tgt Ion:202 Resp: 59279
Ion Ratio Lower Upper
202 100
101 8.3 0.0 31.4
203 17.2 0.0 38.0

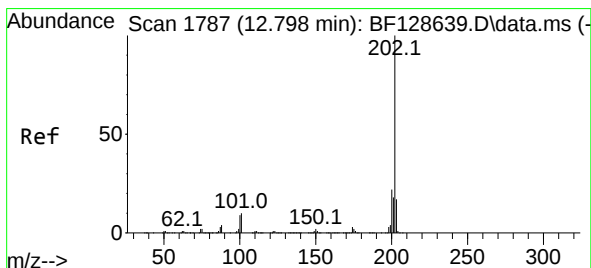
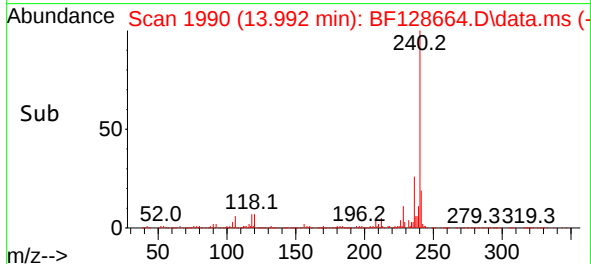
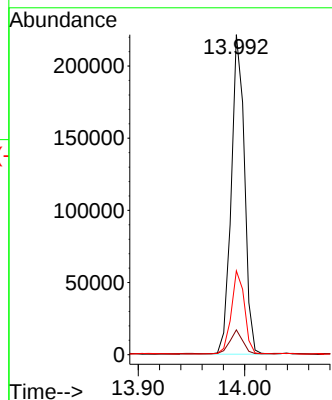
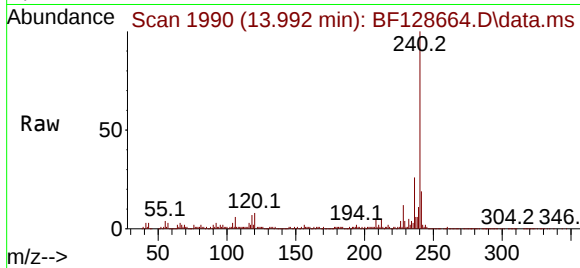




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

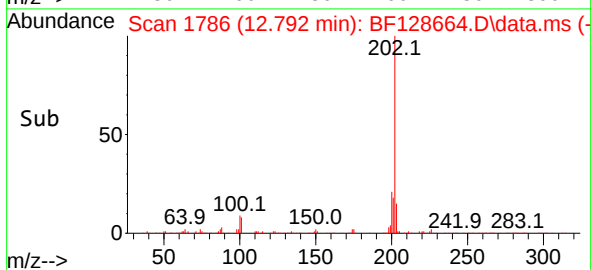
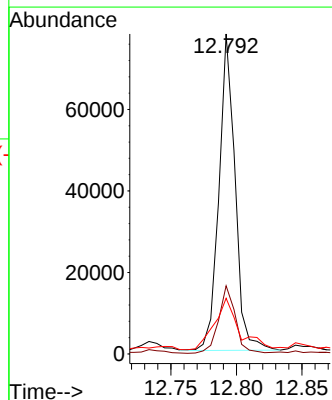
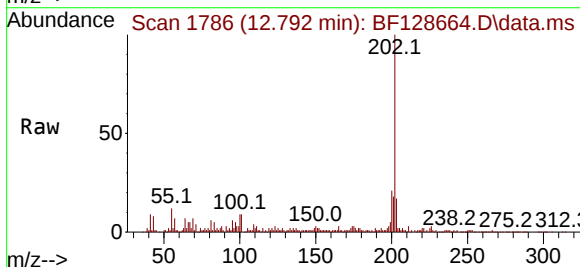
Instrument : BNA_F
ClientSampleId : 20220429-AMENDED-COMPOSITE-I

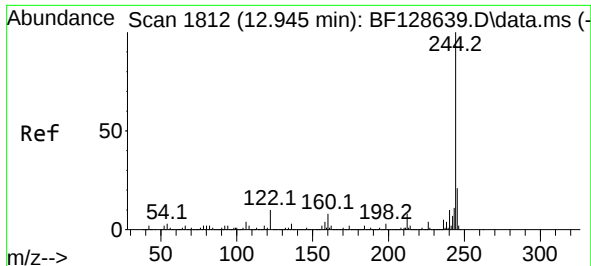
Tgt Ion:240 Resp: 191777
Ion Ratio Lower Upper
240 100
120 7.7 8.9 13.3#
236 26.2 20.8 31.2



#78
Pyrene
Concen: 4.652 ng
RT: 12.792 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

Tgt Ion:202 Resp: 66377
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 17.4 14.6 21.8

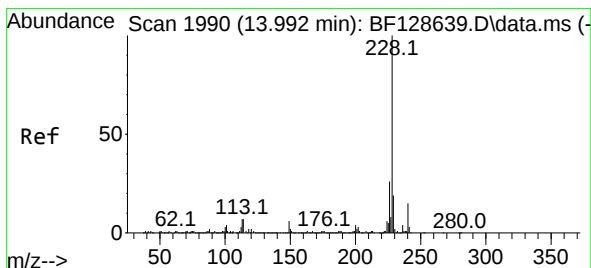
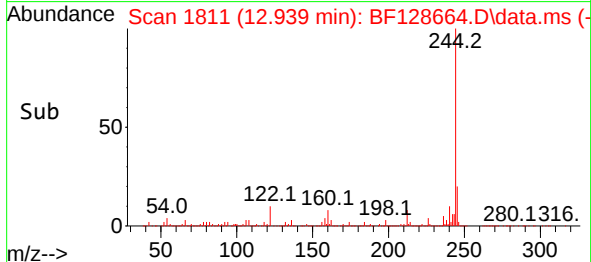
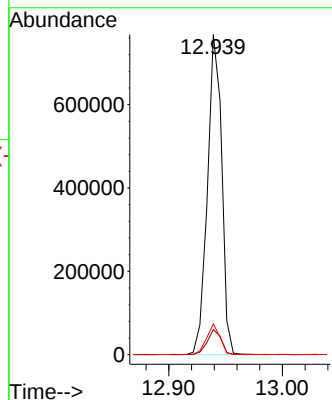
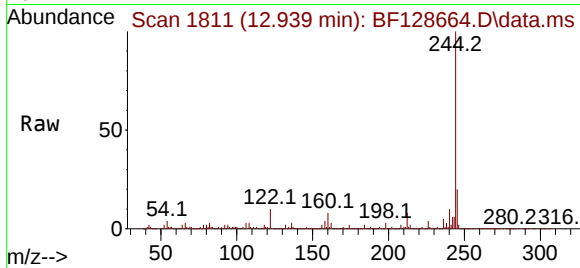




#79
 Terphenyl-d14
 Concen: 60.445 ng
 RT: 12.939 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF128664.D
 Acq: 03 Jun 2022 04:07

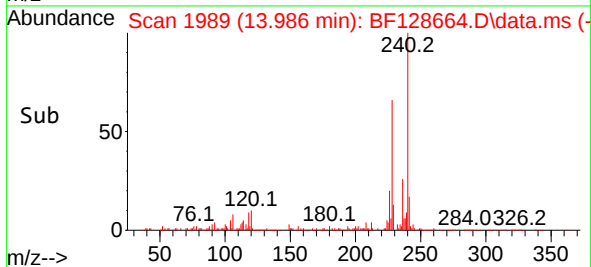
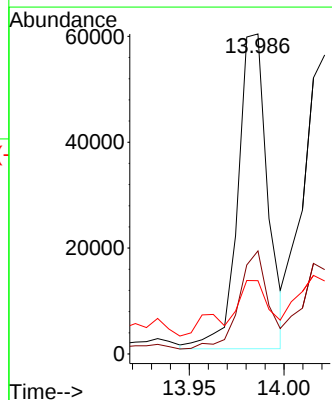
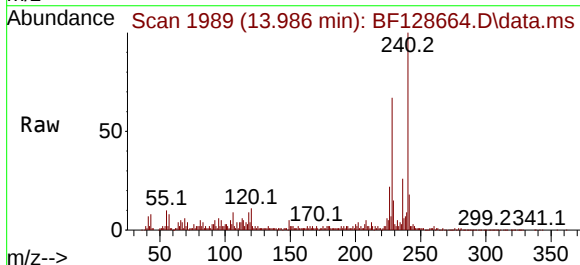
Instrument :
 BNA_F
 ClientSampleId :
 20220429-AMENDED-COMPOSITE-I

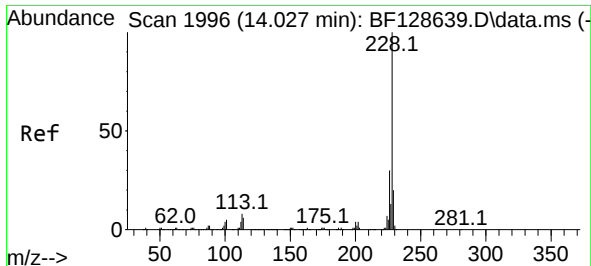
Tgt Ion:244 Resp: 667115
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.1 9.1
 122 9.6 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 5.463 ng
 RT: 13.986 min Scan# 1989
 Delta R.T. -0.006 min
 Lab File: BF128664.D
 Acq: 03 Jun 2022 04:07

Tgt Ion:228 Resp: 65309
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.1 33.1
 229 22.9 15.8 23.8

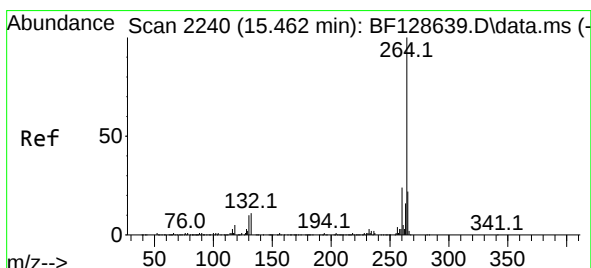
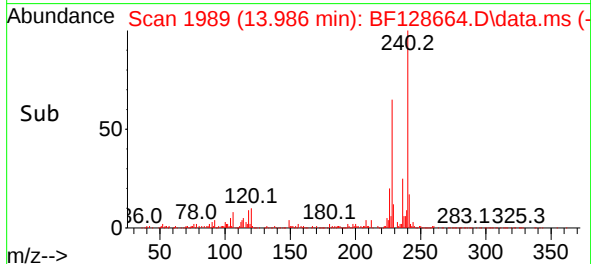
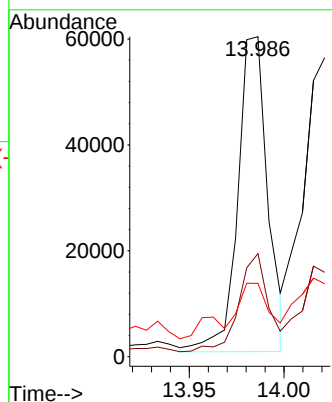
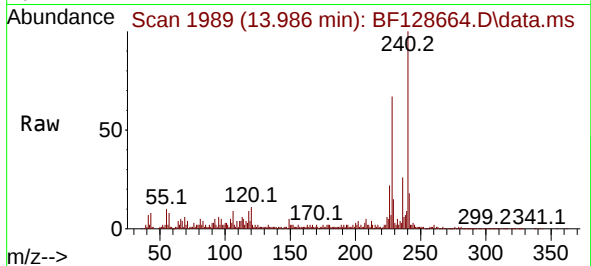




#83
Chrysene
Concen: 5.745 ng
RT: 13.986 min Scan# 1996
Delta R.T. -0.041 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

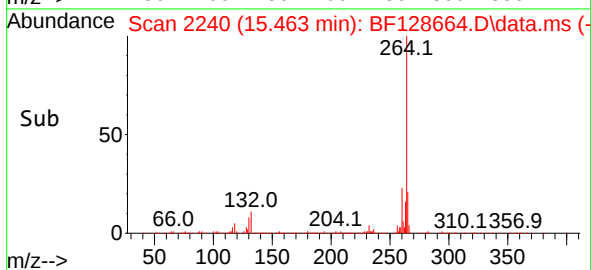
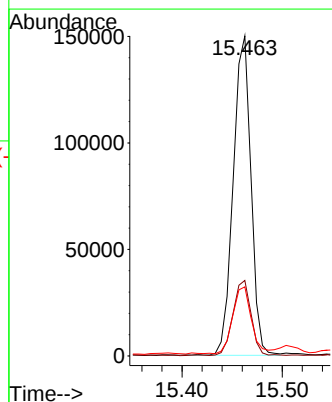
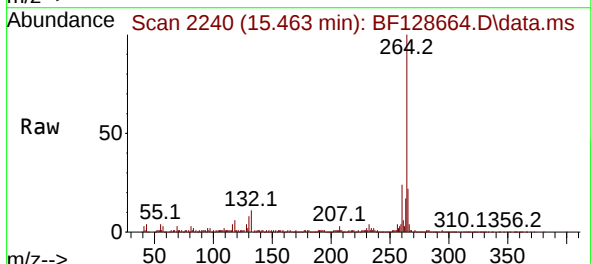
Instrument :
BNA_F
ClientSampleId :
20220429-AMENDED-COMPOSITE-I

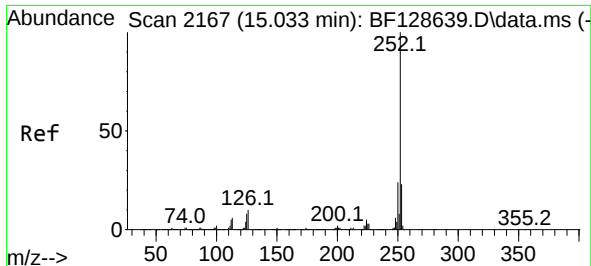
Tgt Ion:228 Resp: 65474
Ion Ratio Lower Upper
228 100
226 32.2 24.3 36.5
229 22.9 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2240
Delta R.T. 0.001 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

Tgt Ion:264 Resp: 184913
Ion Ratio Lower Upper
264 100
260 23.6 18.4 27.6
265 21.6 17.2 25.8

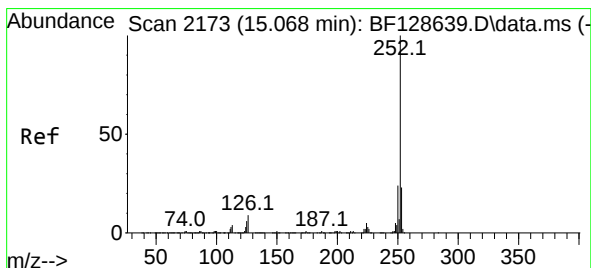
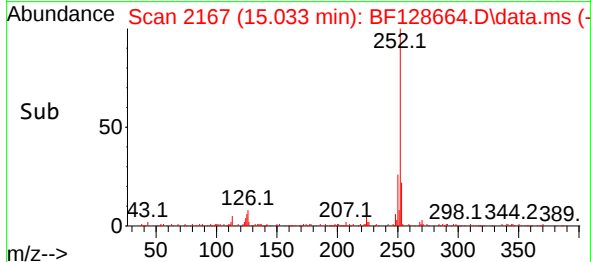
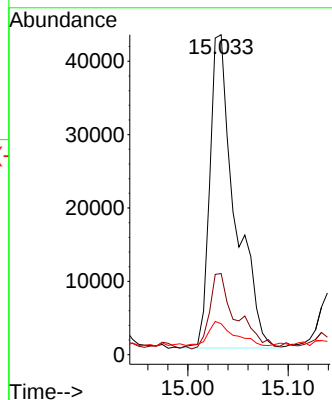
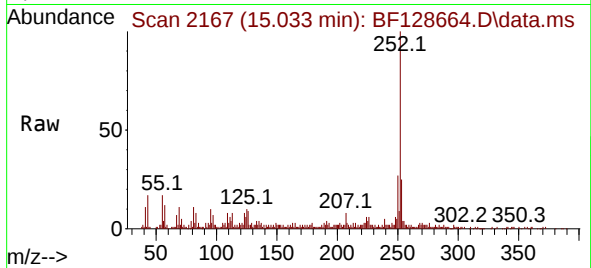




#88
Benzo(b)fluoranthene
Concen: 6.295 ng
RT: 15.033 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

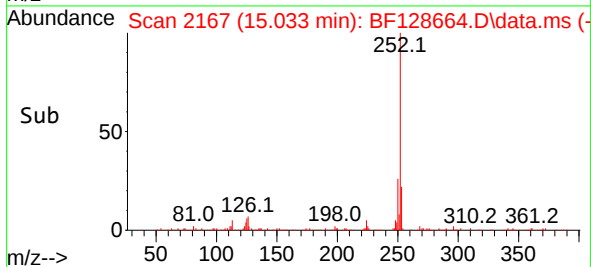
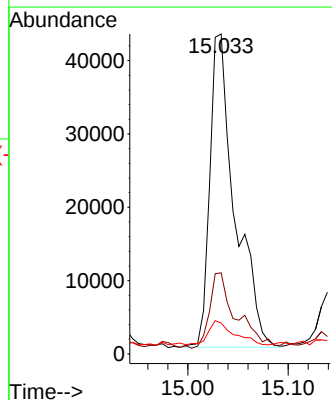
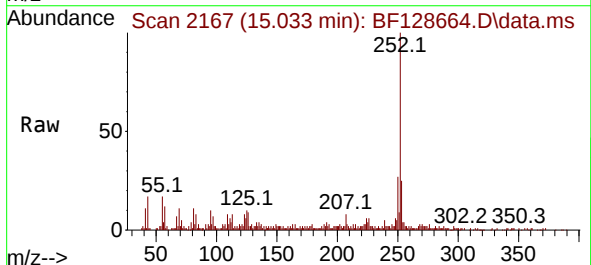
Instrument : BNA_F
ClientSampleId : 20220429-AMENDED-COMPOSITE-I

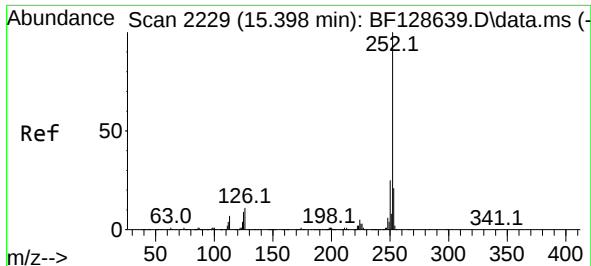
Tgt Ion:252 Resp: 74374
Ion Ratio Lower Upper
252 100
253 25.3 17.7 26.5
125 9.7 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 6.691 ng
RT: 15.033 min Scan# 2167
Delta R.T. -0.035 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

Tgt Ion:252 Resp: 74374
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.6
125 9.7 8.3 12.5

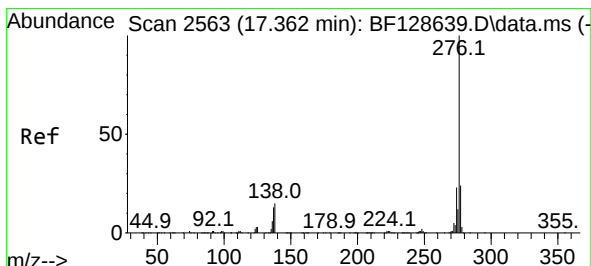
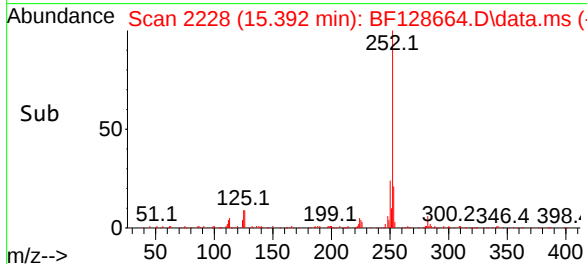
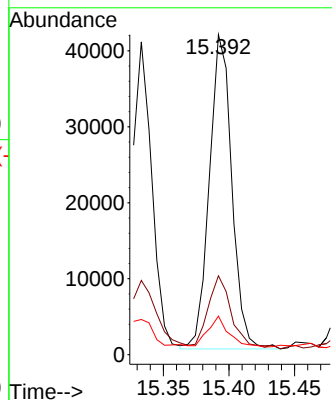
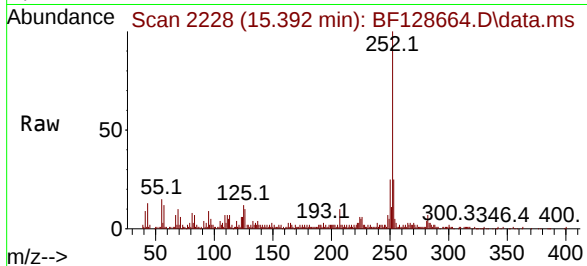




#90
Benzo(a)pyrene
Concen: 5.309 ng
RT: 15.392 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

Instrument :
BNA_F
ClientSampleId :
20220429-AMENDED-COMPOSITE-I

Tgt Ion:252 Resp: 49303
Ion Ratio Lower Upper
252 100
253 24.7 17.0 25.6
125 12.0 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 2.282 ng
RT: 17.345 min Scan# 2560
Delta R.T. -0.018 min
Lab File: BF128664.D
Acq: 03 Jun 2022 04:07

Tgt Ion:276 Resp: 20911
Ion Ratio Lower Upper
276 100
277 25.8 19.1 28.7
138 19.5 18.0 27.0

