

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061622\
 Data File : BF128843.D
 Acq On : 16 Jun 2022 17:01
 Operator : CG\JU
 Sample : N3353-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061422

Quant Time: Jun 17 02:22:38 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)

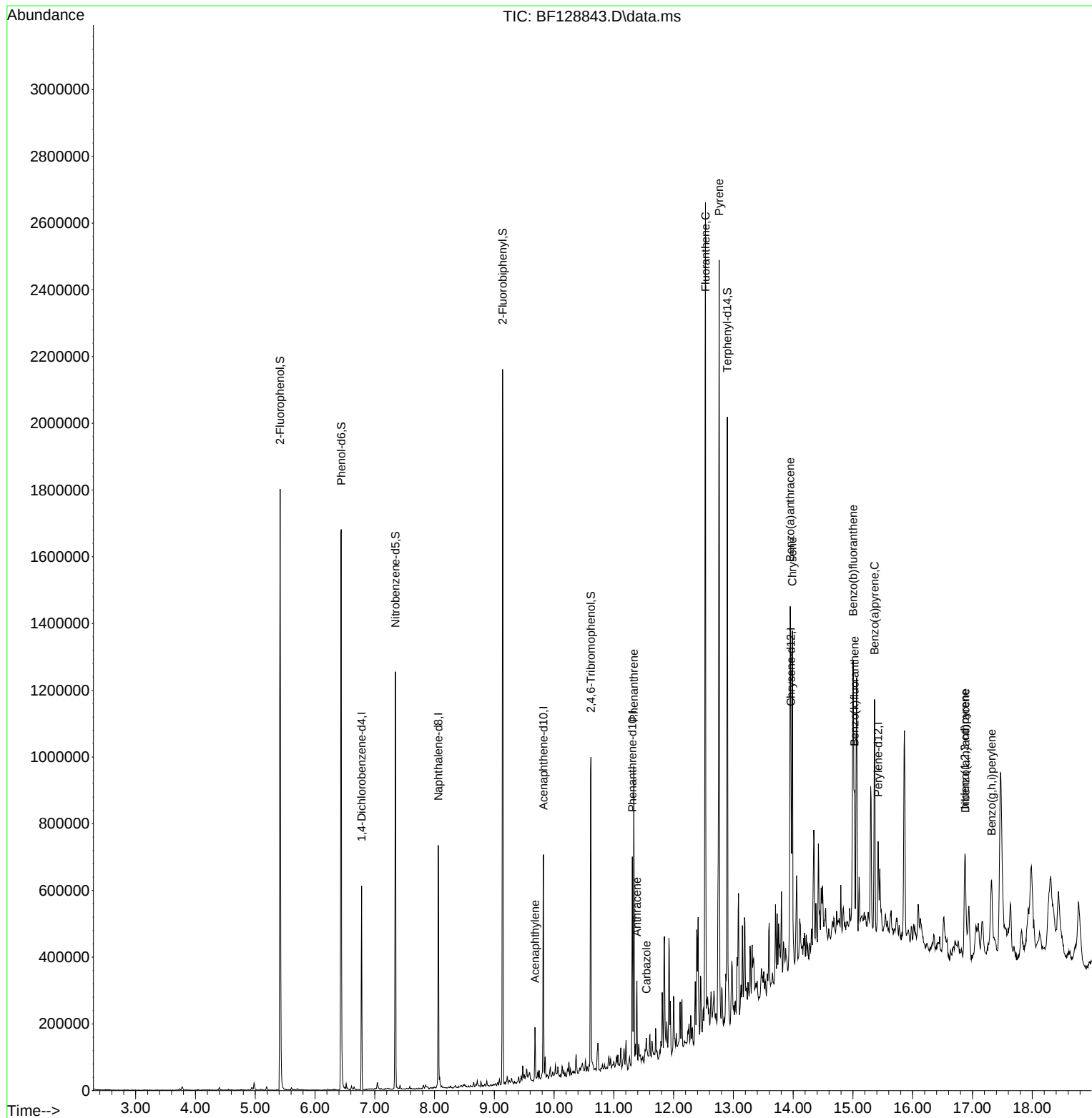
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	74272	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	258907	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	125161	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	206468	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	135325	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	99227	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	422242	90.554	ng	0.00
7) Phenol-d6	6.439	99	519729	91.311	ng	0.00
23) Nitrobenzene-d5	7.345	82	363416	65.352	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	113463	76.724	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	635314	71.104	ng	0.00
79) Terphenyl-d14	12.898	244	575888	73.947	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.680	152	60828	5.545	ng	98
71) Phenanthrene	11.333	178	268243	25.902	ng	97
72) Anthracene	11.386	178	93033	9.076	ng	97
73) Carbazole	11.545	167	20662	2.170	ng	94
75) Fluoranthene	12.533	202	957484	88.450	ng	95
78) Pyrene	12.763	202	913386	90.721	ng	99
81) Benzo(a)anthracene	13.951	228	449279	53.262	ng	97
83) Chrysene	13.986	228	378626	47.081	ng	98
87) Indeno(1,2,3-cd)pyrene	16.874	276	196476	32.852	ng	# 86
88) Benzo(b)fluoranthene	15.004	252	445302m	70.232	ng	
89) Benzo(k)fluoranthene	15.027	252	161930m	27.149	ng	
90) Benzo(a)pyrene	15.362	252	311967m	62.601	ng	
91) Dibenzo(a,h)anthracene	16.880	278	52633	10.610	ng	# 91
92) Benzo(g,h,i)perylene	17.321	276	183656	37.354	ng	# 92

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

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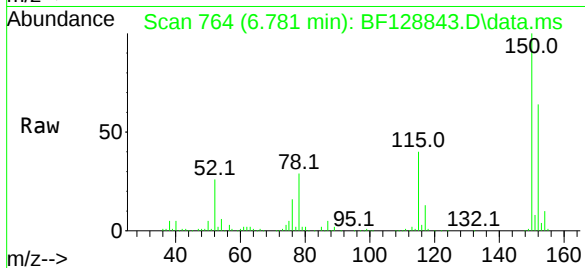
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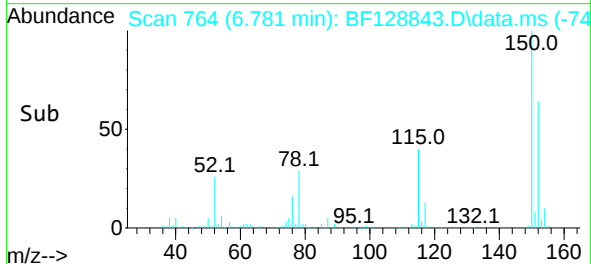
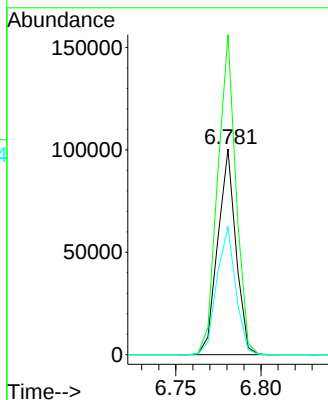


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF128843.D
Acq: 16 Jun 2022 17:01

Instrument :
BNA_F
ClientSampleId :
PL-01-061422

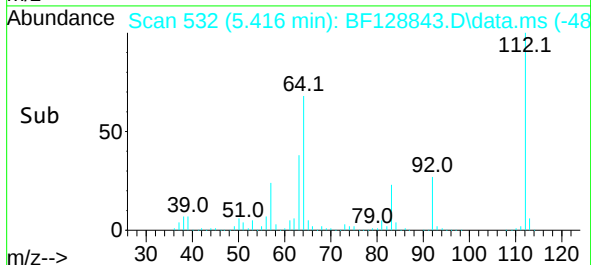
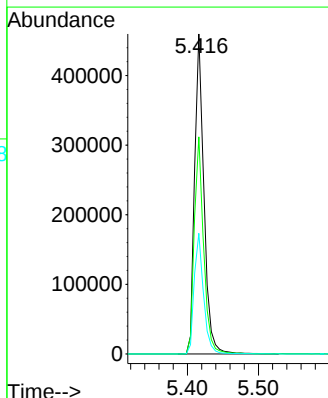
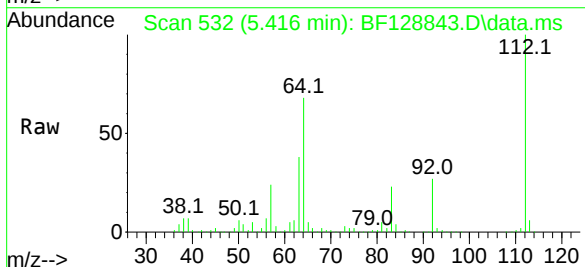


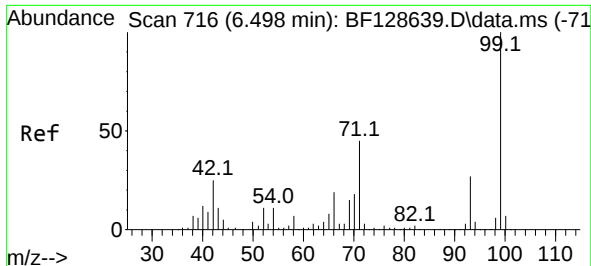
Tgt Ion:152 Resp: 74272
Ion Ratio Lower Upper
152 100
150 155.6 123.7 185.5
115 62.0 49.9 74.9



#5
2-Fluorophenol
Concen: 90.554 ng
RT: 5.416 min Scan# 532
Delta R.T. -0.000 min
Lab File: BF128843.D
Acq: 16 Jun 2022 17:01

Tgt Ion:112 Resp: 422242
Ion Ratio Lower Upper
112 100
64 67.8 53.3 79.9
63 37.7 28.0 42.0

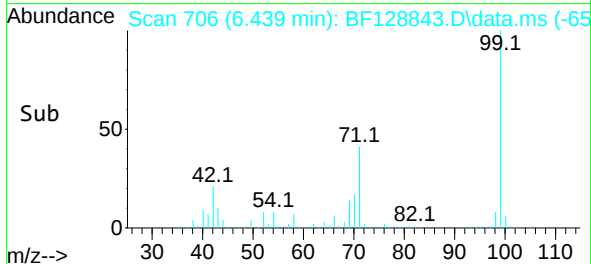
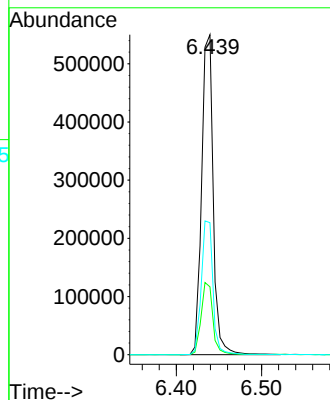
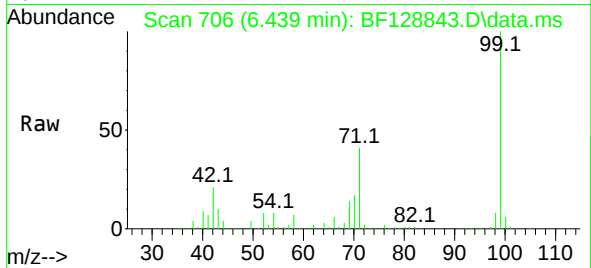




#7
Phenol-d6
Concen: 91.311 ng
RT: 6.439 min Scan# 706
Delta R.T. -0.000 min
Lab File: BF128843.D
Acq: 16 Jun 2022 17:01

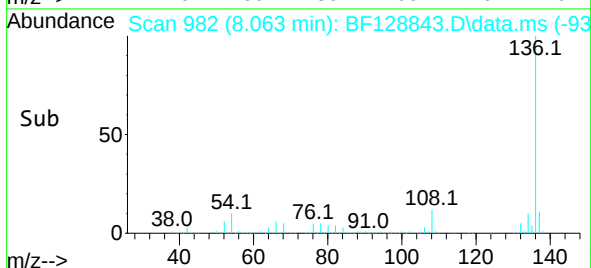
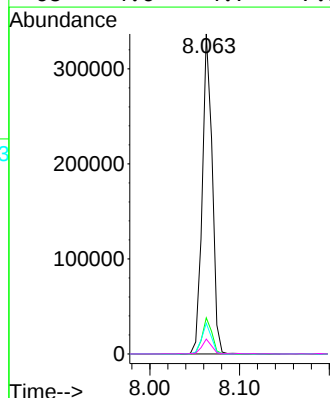
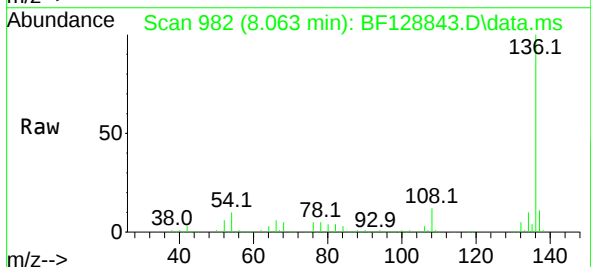
Instrument :
BNA_F
ClientSampleId :
PL-01-061422

Tgt Ion: 99 Resp: 519729
Ion Ratio Lower Upper
99 100
42 21.2 17.3 25.9
71 41.3 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF128843.D
Acq: 16 Jun 2022 17:01

Tgt Ion: 136 Resp: 258907
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 9.6 7.5 11.3
68 4.6 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 65.352 ng

RT: 7.345 min Scan# 860

Delta R.T. -0.006 min

Lab File: BF128843.D

Acq: 16 Jun 2022 17:01

Instrument :

BNA_F

ClientSampleId :

PL-01-061422

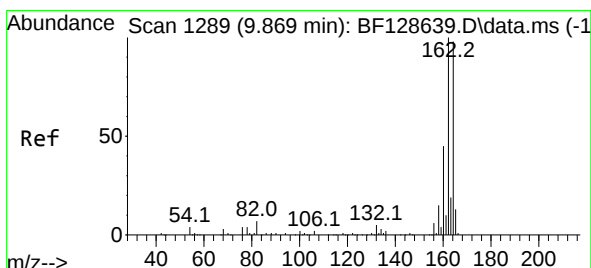
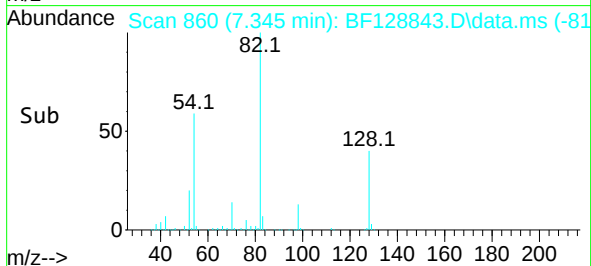
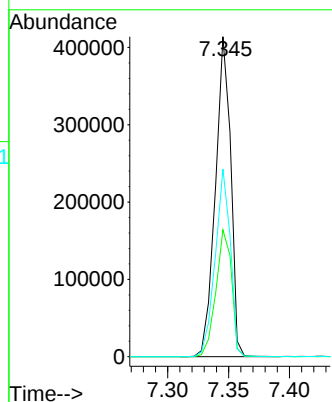
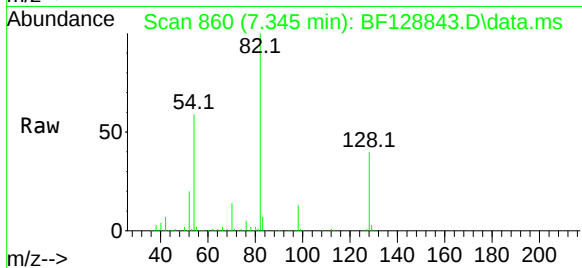
Tgt Ion: 82 Resp: 363416

Ion Ratio Lower Upper

82 100

128 39.6 34.0 51.0

54 58.7 46.9 70.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF128843.D

Acq: 16 Jun 2022 17:01

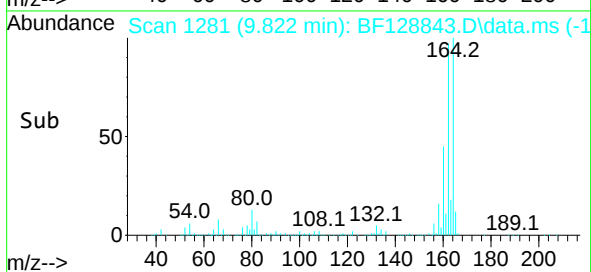
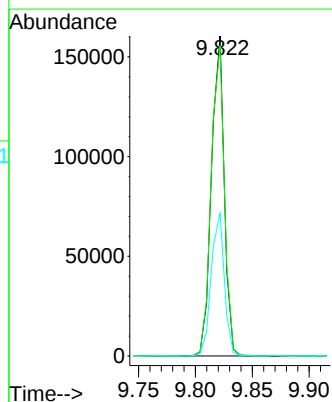
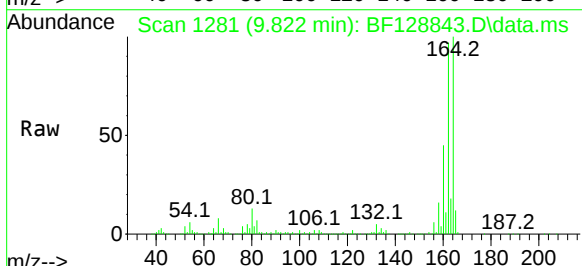
Tgt Ion: 164 Resp: 125161

Ion Ratio Lower Upper

164 100

162 96.9 79.5 119.3

160 44.6 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 76.724 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF128843.D

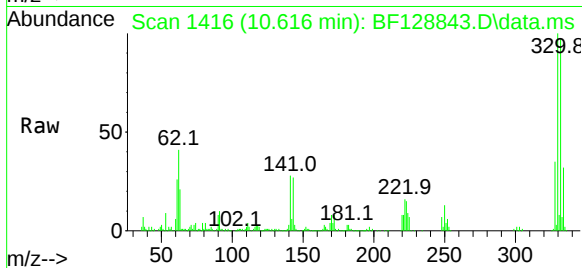
Acq: 16 Jun 2022 17:01

Instrument :

BNA_F

ClientSampleId :

PL-01-061422



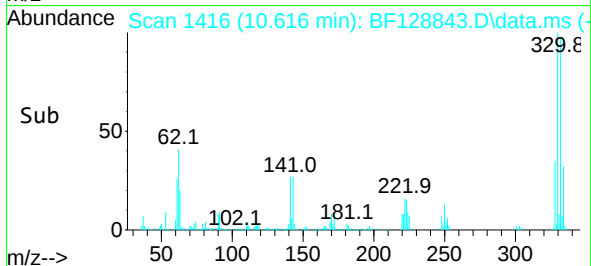
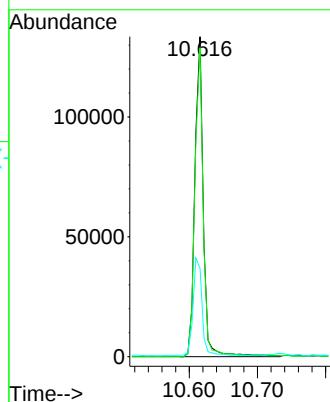
Tgt Ion:330 Resp: 113463

Ion Ratio Lower Upper

330 100

332 96.1 76.8 115.2

141 32.7 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 71.104 ng

RT: 9.139 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF128843.D

Acq: 16 Jun 2022 17:01

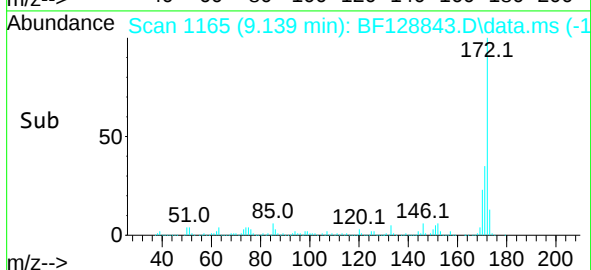
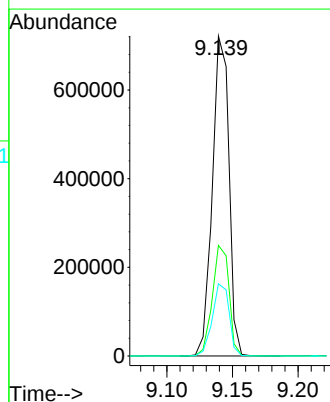
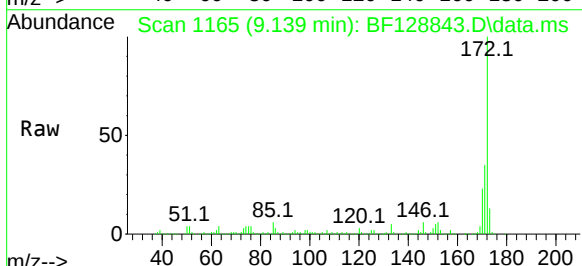
Tgt Ion:172 Resp: 635314

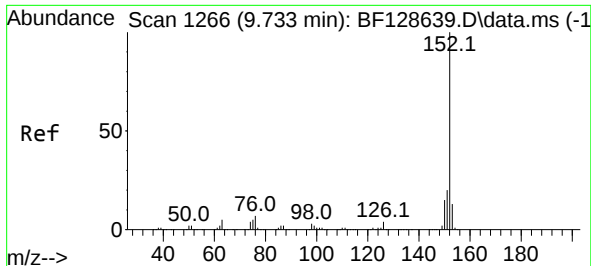
Ion Ratio Lower Upper

172 100

171 34.6 28.8 43.2

170 22.6 19.8 29.8

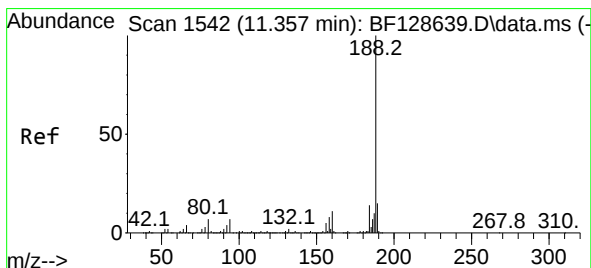
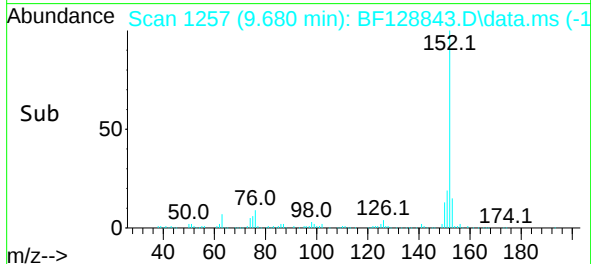
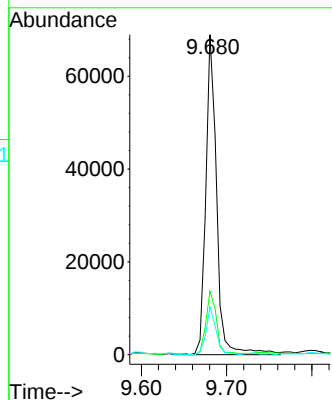
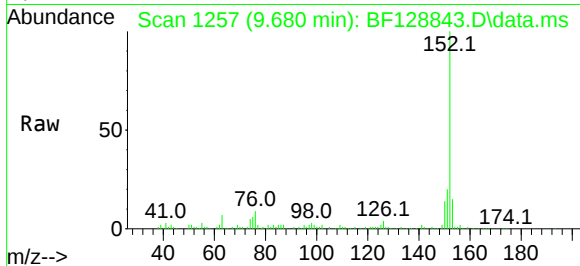




#49
Acenaphthylene
Concen: 5.545 ng
RT: 9.680 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128843.D
Acq: 16 Jun 2022 17:01

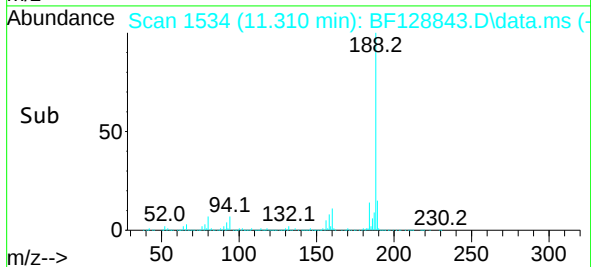
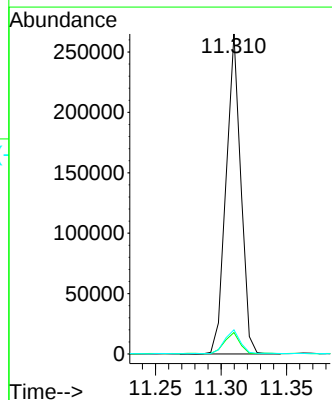
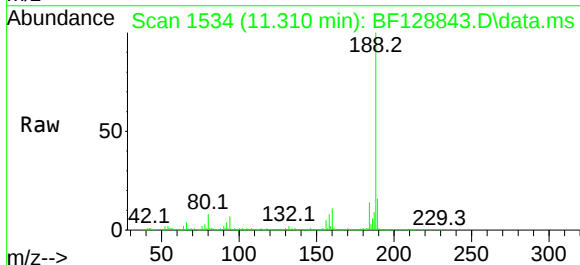
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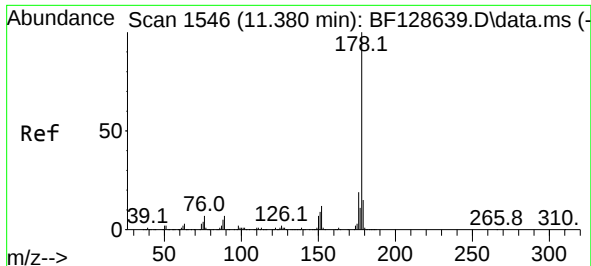
Tgt Ion:152 Resp: 60828
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.4
153 14.9 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF128843.D
Acq: 16 Jun 2022 17:01

Tgt Ion:188 Resp: 206468
Ion Ratio Lower Upper
188 100
94 6.7 7.0 10.6#
80 7.5 7.6 11.4#

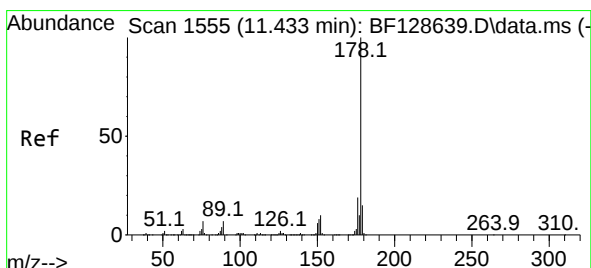
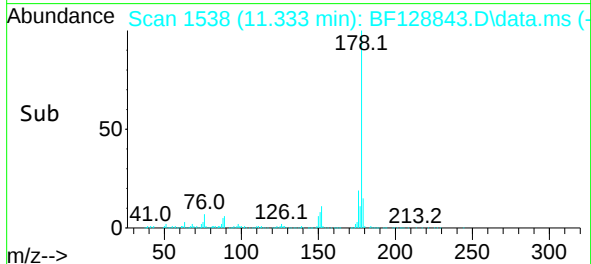
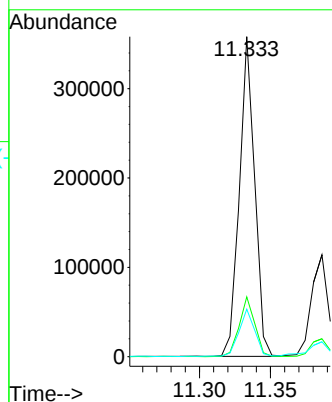
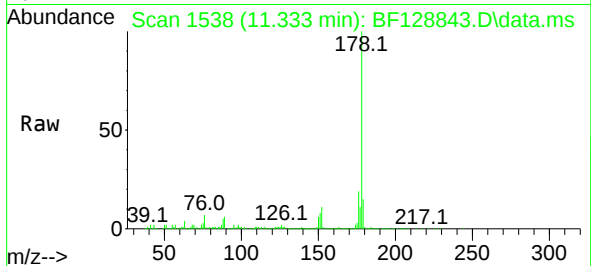




#71
Phenanthrene
Concen: 25.902 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128843.D
Acq: 16 Jun 2022 17:01

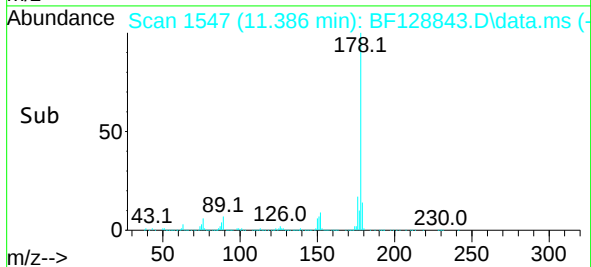
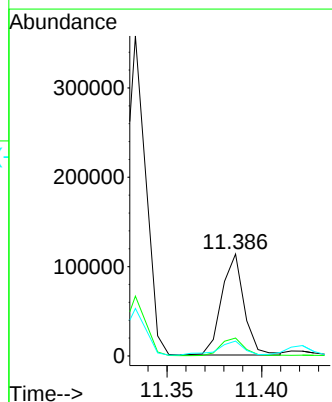
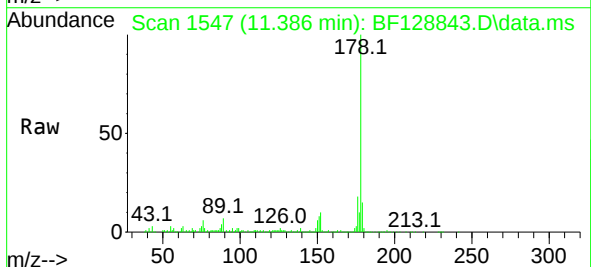
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PL-01-061422

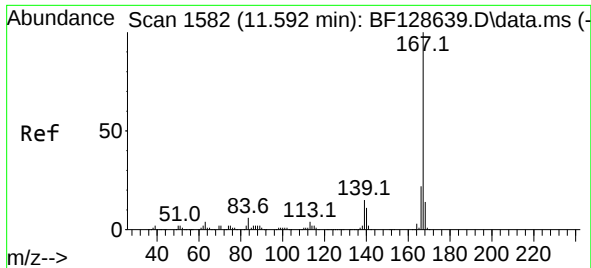
Tgt Ion:178 Resp: 268243
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 14.9 12.6 19.0



#72
Anthracene
Concen: 9.076 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF128843.D
Acq: 16 Jun 2022 17:01

Tgt Ion:178 Resp: 93033
Ion Ratio Lower Upper
178 100
176 17.5 15.4 23.2
179 14.6 12.6 19.0

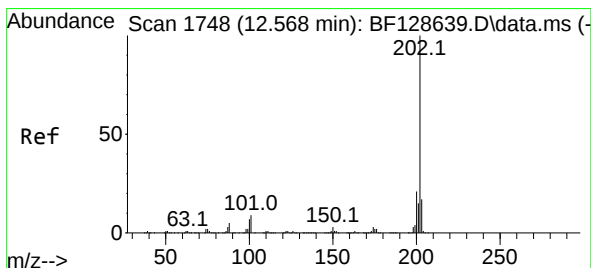
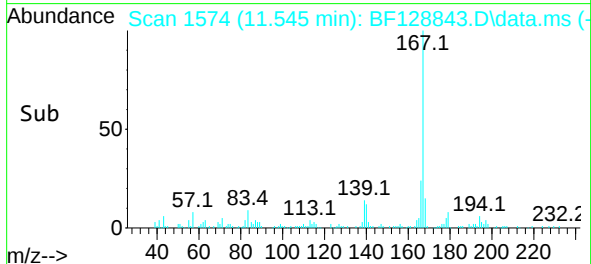
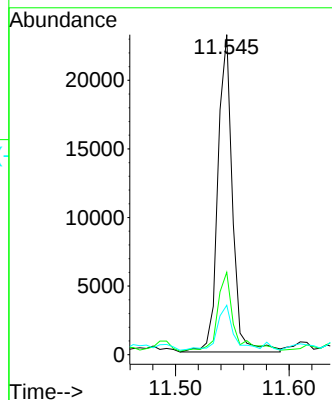
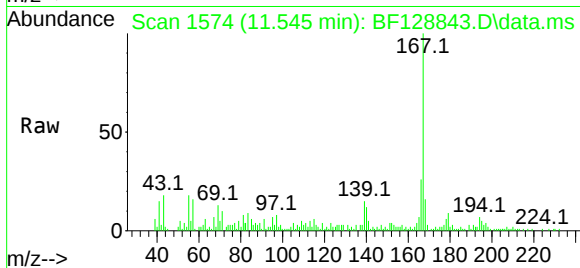




#73
 Carbazole
 Concen: 2.170 ng
 RT: 11.545 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128843.D
 Acq: 16 Jun 2022 17:01

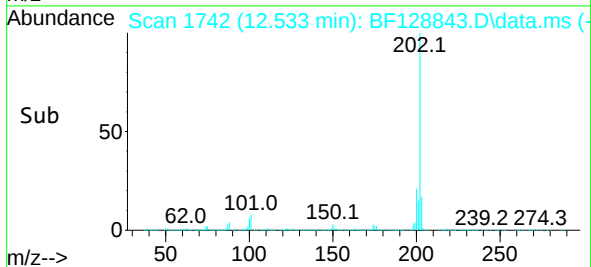
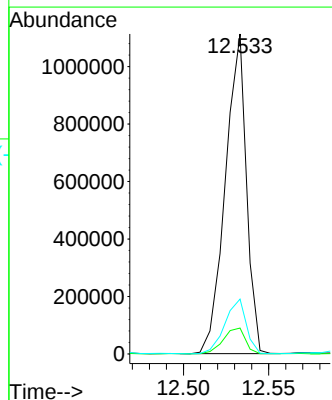
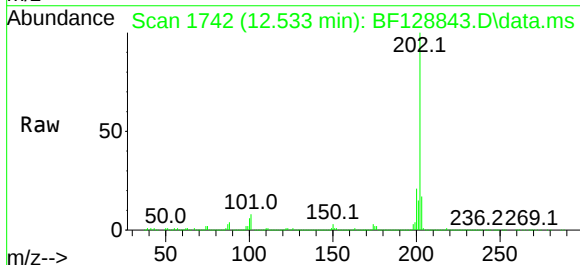
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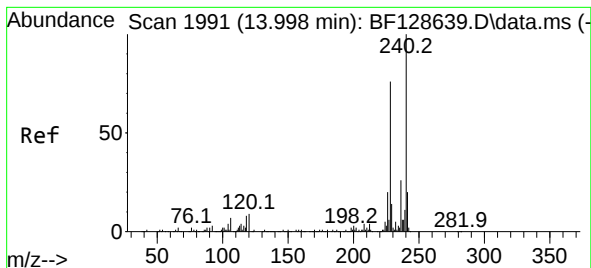
Tgt Ion:167 Resp: 20662
 Ion Ratio Lower Upper
 167 100
 166 25.8 17.7 26.5
 139 15.4 11.2 16.8



#75
 Fluoranthene
 Concen: 88.450 ng
 RT: 12.533 min Scan# 1742
 Delta R.T. 0.006 min
 Lab File: BF128843.D
 Acq: 16 Jun 2022 17:01

Tgt Ion:202 Resp: 957484
 Ion Ratio Lower Upper
 202 100
 101 8.1 0.0 31.4
 203 17.1 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 1991

Delta R.T. -0.000 min

Lab File: BF128843.D

Acq: 16 Jun 2022 17:01

Instrument :

BNA_F

ClientSampleId :

PL-01-061422

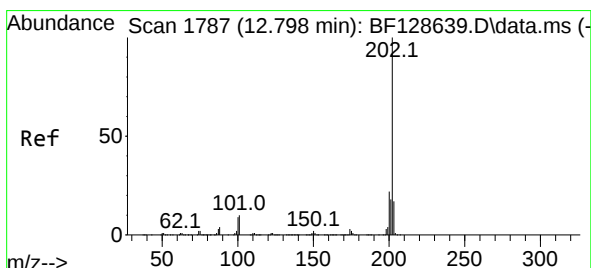
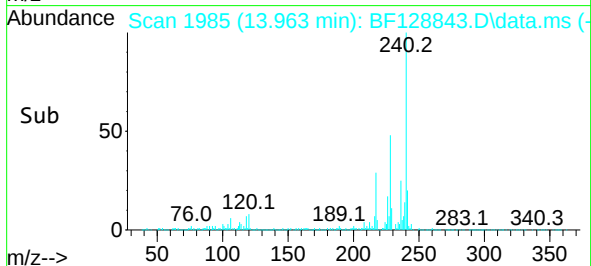
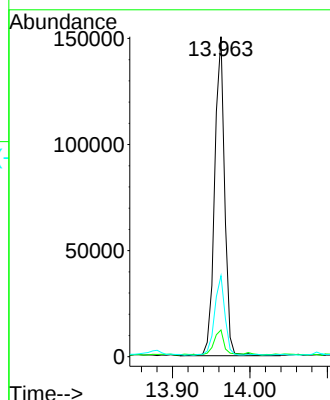
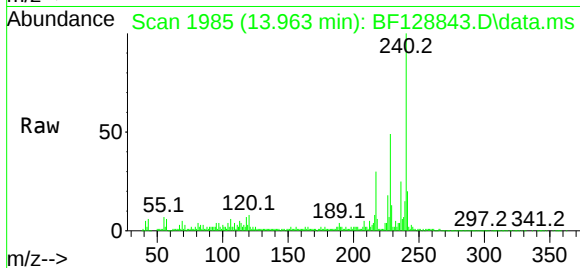
Tgt Ion:240 Resp: 135325

Ion Ratio Lower Upper

240 100

120 8.4 8.9 13.3#

236 25.3 20.8 31.2



#78

Pyrene

Concen: 90.721 ng

RT: 12.763 min Scan# 1781

Delta R.T. 0.006 min

Lab File: BF128843.D

Acq: 16 Jun 2022 17:01

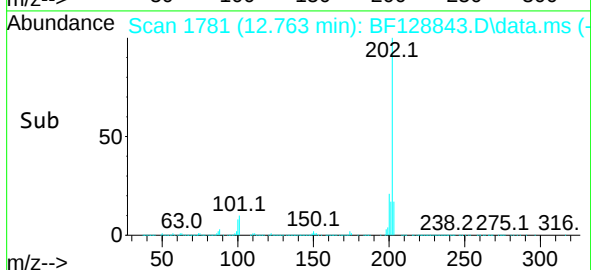
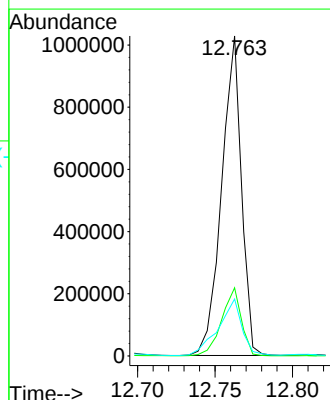
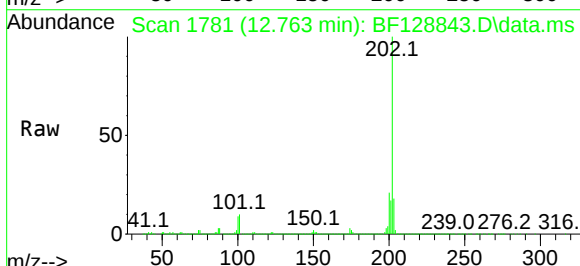
Tgt Ion:202 Resp: 913386

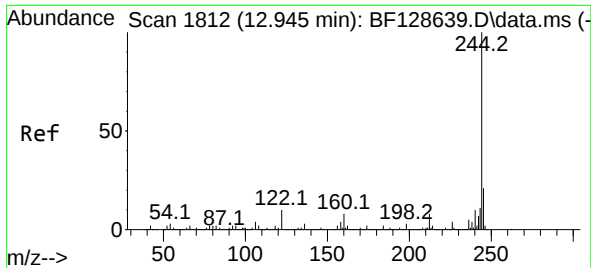
Ion Ratio Lower Upper

202 100

200 21.3 17.7 26.5

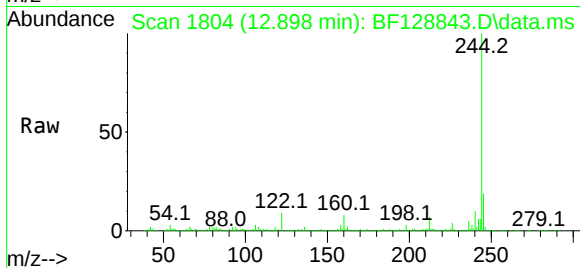
203 17.8 14.6 21.8



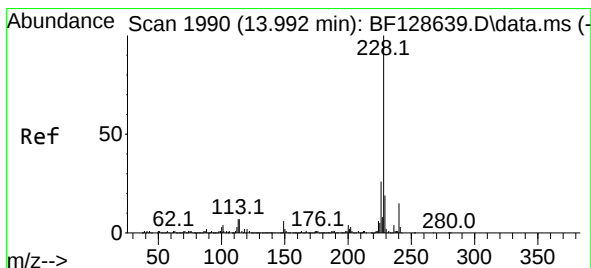
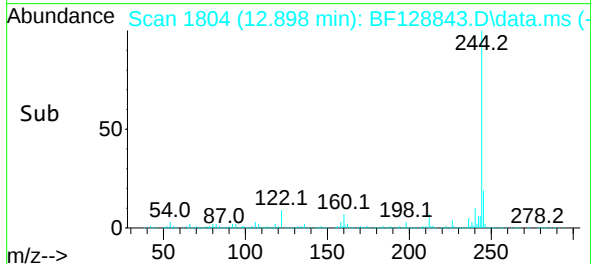
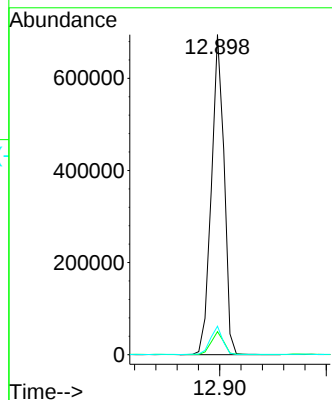


#79
 Terphenyl-d14
 Concen: 73.947 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128843.D
 Acq: 16 Jun 2022 17:01

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061422

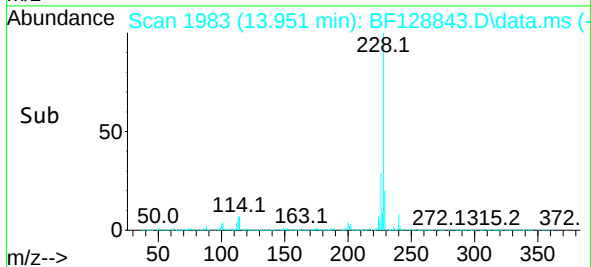
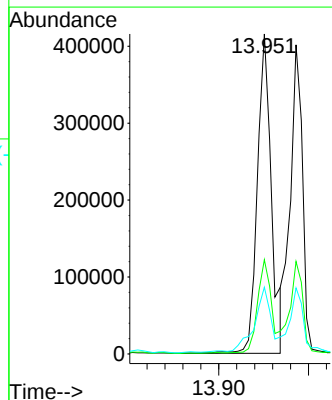
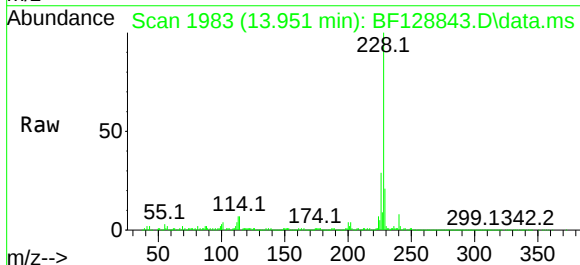


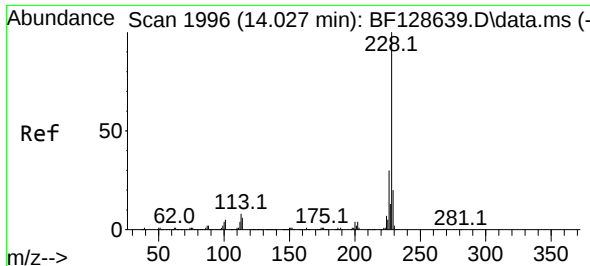
Tgt Ion:244 Resp: 575888
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 8.9 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 53.262 ng
 RT: 13.951 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: BF128843.D
 Acq: 16 Jun 2022 17:01

Tgt Ion:228 Resp: 449279
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.1 33.1
 229 20.8 15.8 23.8

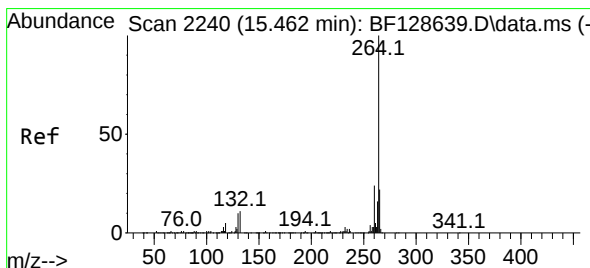
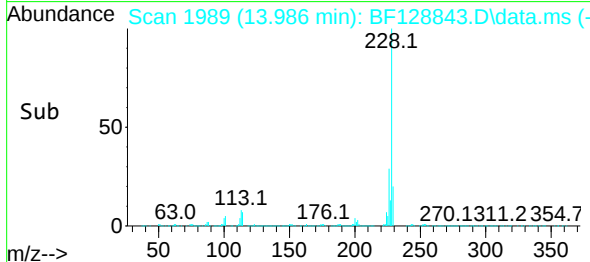
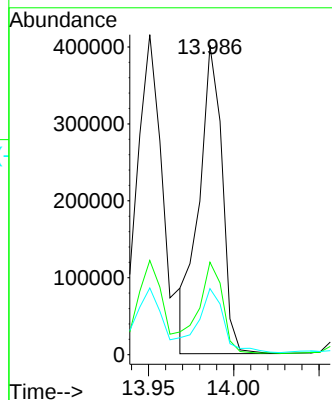
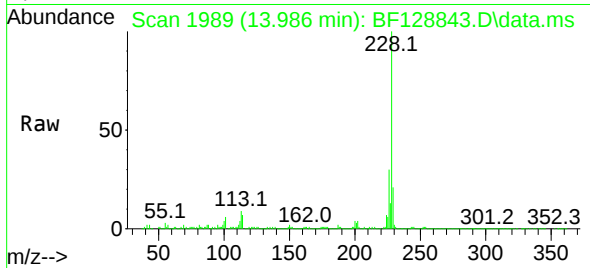




#83
Chrysene
Concen: 47.081 ng
RT: 13.986 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128843.D
Acq: 16 Jun 2022 17:01

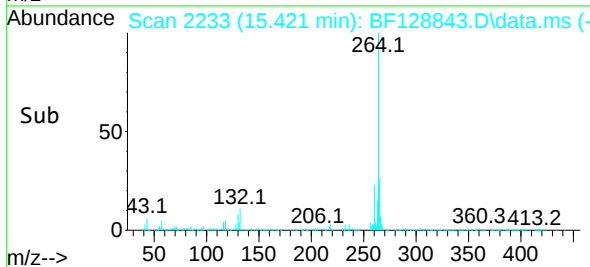
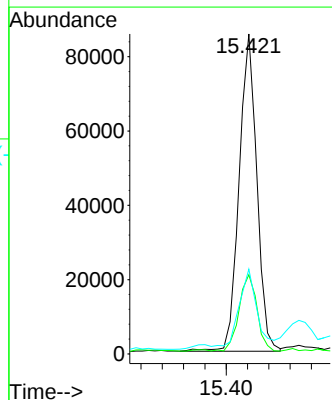
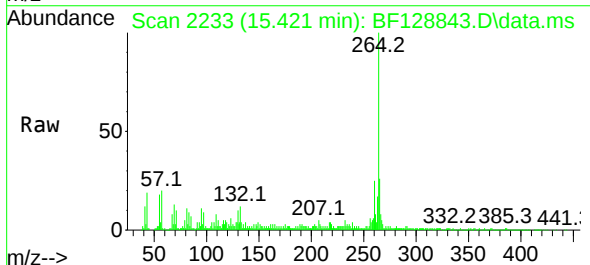
Instrument :
BNA_F
ClientSampleId :
PL-01-061422

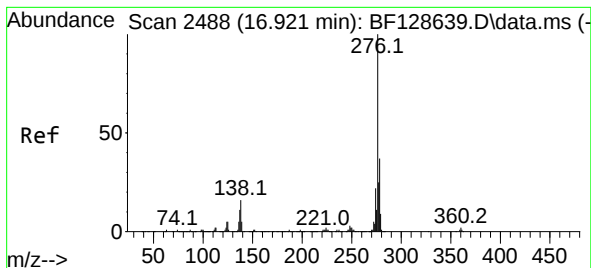
Tgt Ion:228 Resp: 378626
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 21.4 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2233
Delta R.T. 0.006 min
Lab File: BF128843.D
Acq: 16 Jun 2022 17:01

Tgt Ion:264 Resp: 99227
Ion Ratio Lower Upper
264 100
260 24.7 18.4 27.6
265 26.5 17.2 25.8#





#87

Indeno(1,2,3-cd)pyrene

Concen: 32.852 ng

RT: 16.874 min Scan# 2488

Delta R.T. 0.012 min

Lab File: BF128843.D

Acq: 16 Jun 2022 17:01

Instrument :

BNA_F

ClientSampleId :

PL-01-061422

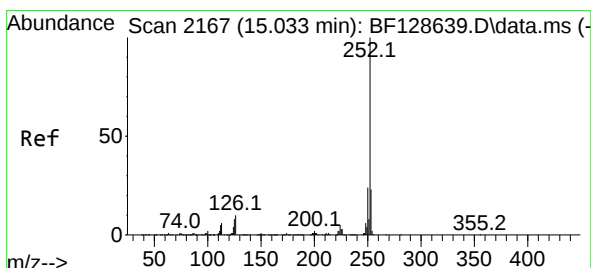
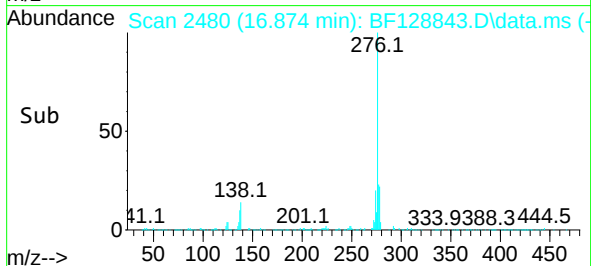
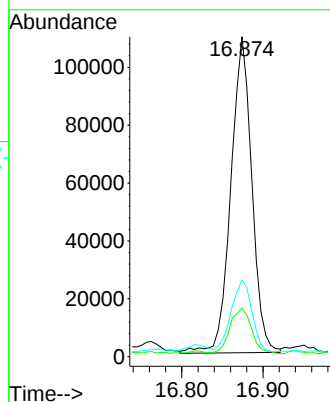
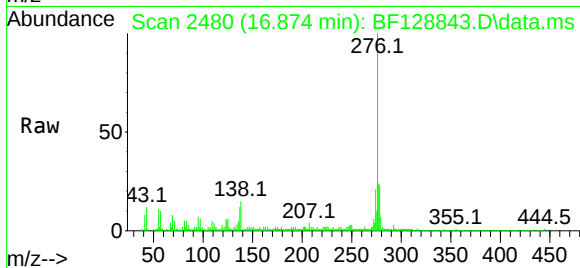
Tgt Ion:276 Resp: 196476

Ion Ratio Lower Upper

276 100

138 15.0 21.1 31.7#

277 22.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 70.232 ng m

RT: 15.004 min Scan# 2162

Delta R.T. 0.012 min

Lab File: BF128843.D

Acq: 16 Jun 2022 17:01

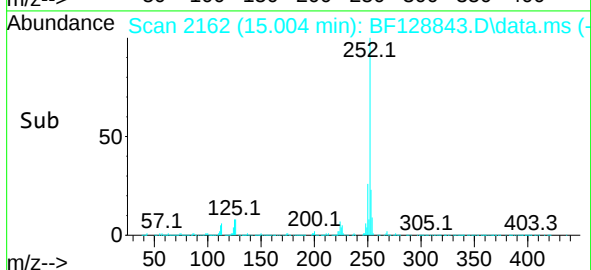
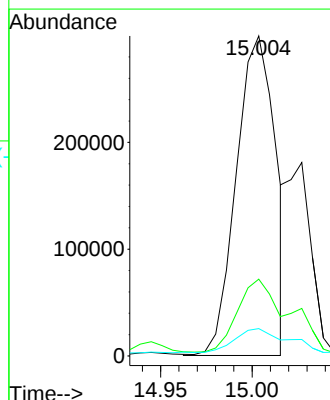
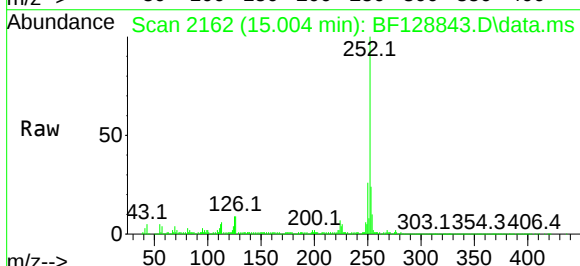
Tgt Ion:252 Resp: 445302

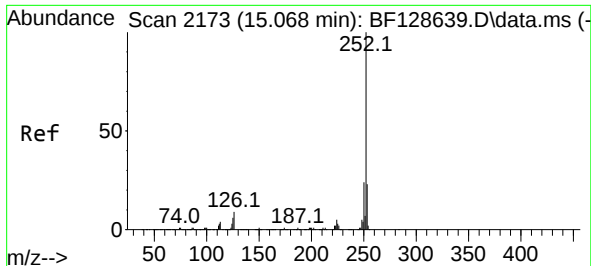
Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

125 8.5 8.0 12.0

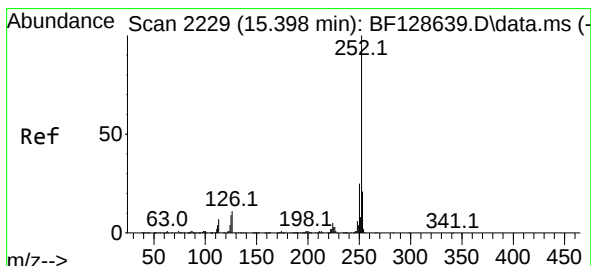
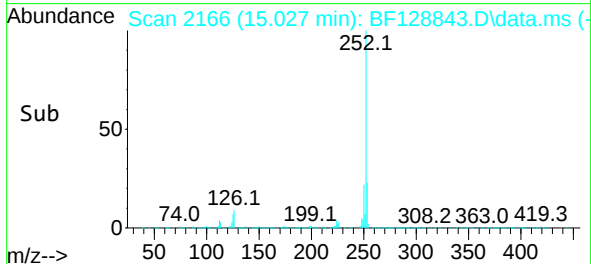
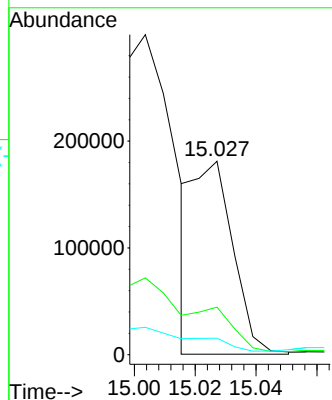
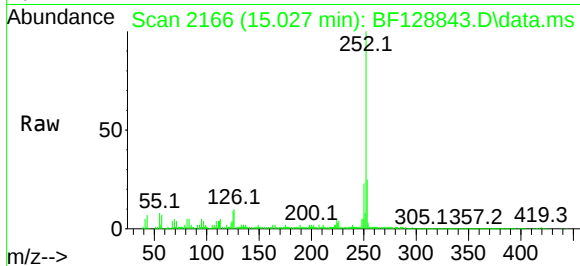




#89
Benzo(k)fluoranthene
Concen: 27.149 ng m
RT: 15.027 min Scan# 2173
Delta R.T. -0.000 min
Lab File: BF128843.D
Acq: 16 Jun 2022 17:01

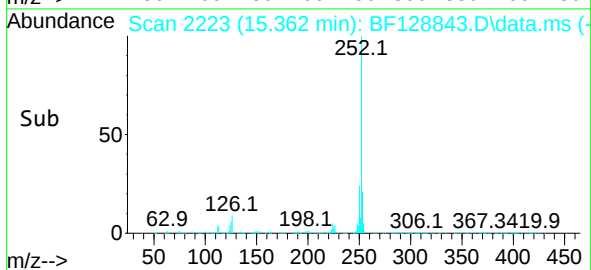
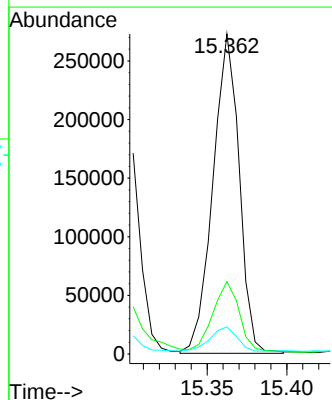
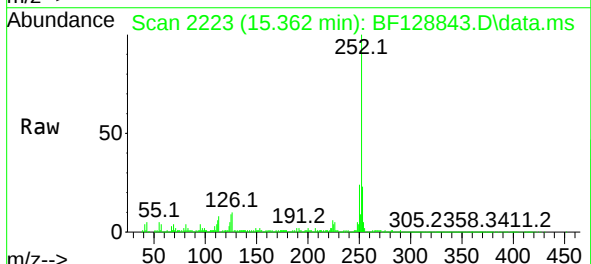
Instrument :
BNA_F
ClientSampleId :
PL-01-061422

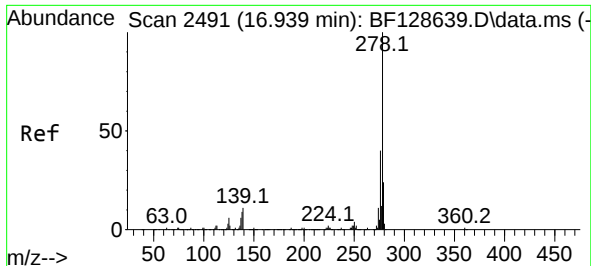
Tgt Ion:252 Resp: 161930
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.6
125 8.5 8.3 12.5



#90
Benzo(a)pyrene
Concen: 62.601 ng m
RT: 15.362 min Scan# 2223
Delta R.T. 0.006 min
Lab File: BF128843.D
Acq: 16 Jun 2022 17:01

Tgt Ion:252 Resp: 311967
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 8.5 8.8 13.2#

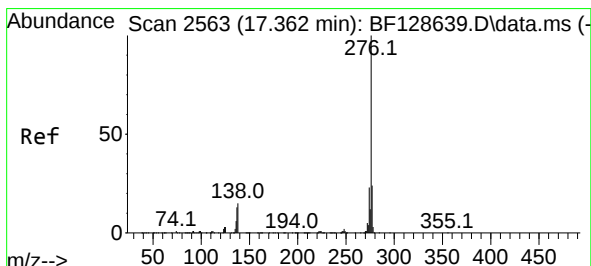
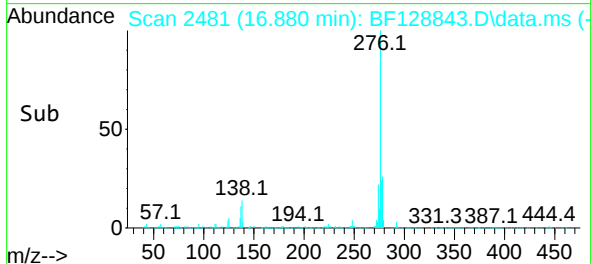
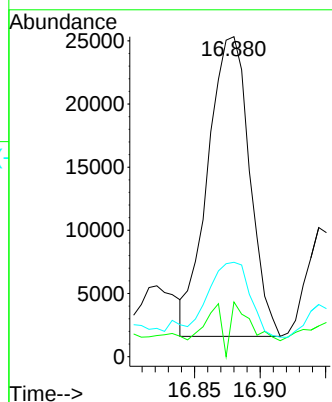
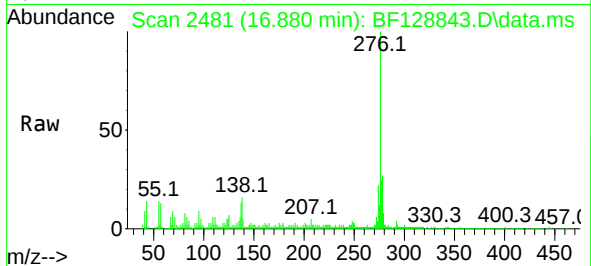




#91
Dibenzo(a,h)anthracene
Concen: 10.610 ng
RT: 16.880 min Scan# 2491
Delta R.T. 0.006 min
Lab File: BF128843.D
Acq: 16 Jun 2022 17:01

Instrument :
BNA_F
ClientSampleId :
PL-01-061422

Tgt Ion:278 Resp: 52633
Ion Ratio Lower Upper
278 100
139 17.1 12.8 19.2
279 29.5 18.6 28.0#



#92
Benzo(g,h,i)perylene
Concen: 37.354 ng
RT: 17.321 min Scan# 2556
Delta R.T. 0.023 min
Lab File: BF128843.D
Acq: 16 Jun 2022 17:01

Tgt Ion:276 Resp: 183656
Ion Ratio Lower Upper
276 100
277 25.5 19.1 28.7
138 16.1 18.0 27.0#

