

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061622\
 Data File : BF128846.D
 Acq On : 16 Jun 2022 18:31
 Operator : CG\JU
 Sample : N3353-01DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061422DL

Quant Time: Jun 17 02:24:07 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)

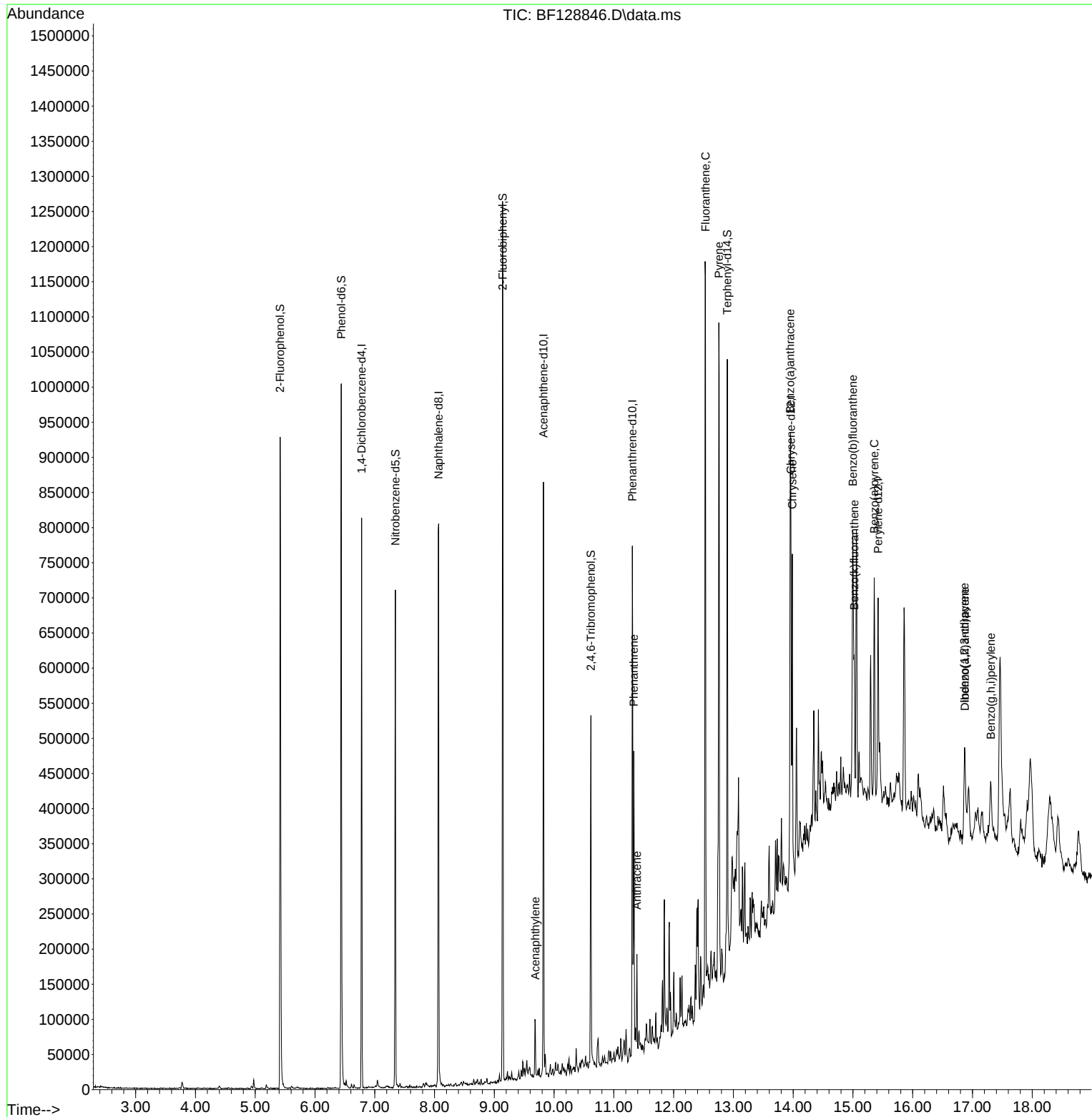
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	98293	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	345450	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	147403	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	257577	20.000	ng	0.00
76) Chrysene-d12	13.963	240	150089	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	114024	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	230279	37.317	ng	0.00
7) Phenol-d6	6.440	99	282823	37.546	ng	0.00
23) Nitrobenzene-d5	7.345	82	185759	25.036	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	54350	31.206	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	350368	33.296	ng	0.00
79) Terphenyl-d14	12.898	244	268759	31.115	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.686	152	33018	2.556	ng	96
71) Phenanthrene	11.333	178	132646	10.267	ng	99
72) Anthracene	11.386	178	48942	3.827	ng	97
75) Fluoranthene	12.533	202	439878	32.572	ng	94
78) Pyrene	12.757	202	414203	37.093	ng	98
81) Benzo(a)anthracene	13.951	228	185408	19.818	ng	96
83) Chrysene	13.986	228	185622m	20.811	ng	
87) Indeno(1,2,3-cd)pyrene	16.868	276	84162m	12.246	ng	
88) Benzo(b)fluoranthene	14.998	252	218220m	29.951	ng	
89) Benzo(k)fluoranthene	15.021	252	63941m	9.329	ng	
90) Benzo(a)pyrene	15.357	252	147527m	25.762	ng	
91) Dibenzo(a,h)anthracene	16.874	278	21075	3.697	ng	# 82
92) Benzo(g,h,i)perylene	17.309	276	78416	13.879	ng	# 90

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

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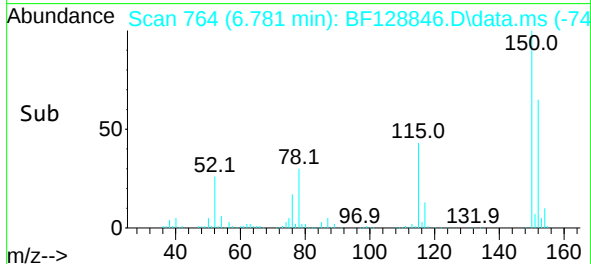
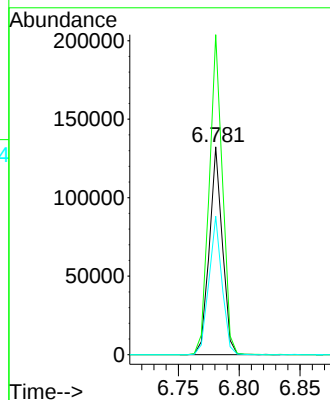
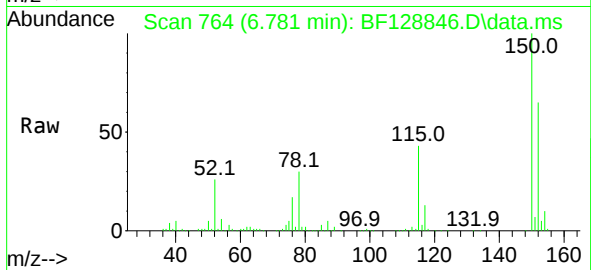




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF128846.D
Acq: 16 Jun 2022 18:31

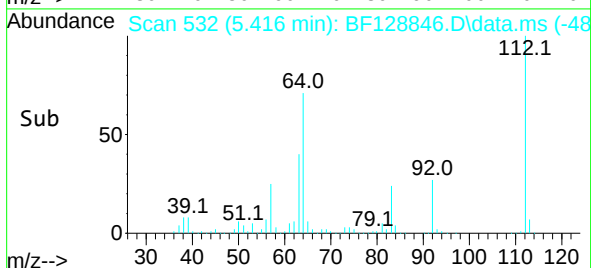
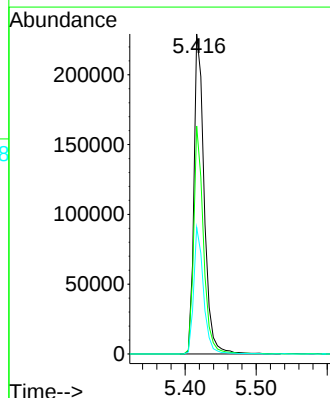
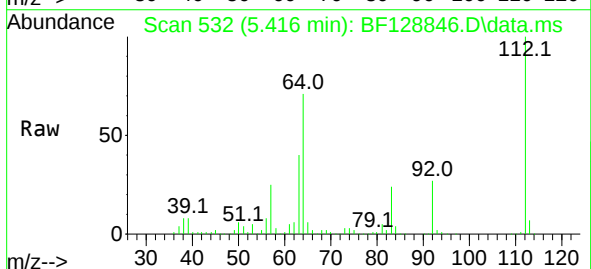
Instrument :
BNA_F
ClientSampleId :
PL-01-061422DL

Tgt Ion:152 Resp: 98293
Ion Ratio Lower Upper
152 100
150 153.9 123.7 185.5
115 66.6 49.9 74.9



#5
2-Fluorophenol
Concen: 37.317 ng
RT: 5.416 min Scan# 532
Delta R.T. -0.000 min
Lab File: BF128846.D
Acq: 16 Jun 2022 18:31

Tgt Ion:112 Resp: 230279
Ion Ratio Lower Upper
112 100
64 71.3 53.3 79.9
63 39.6 28.0 42.0

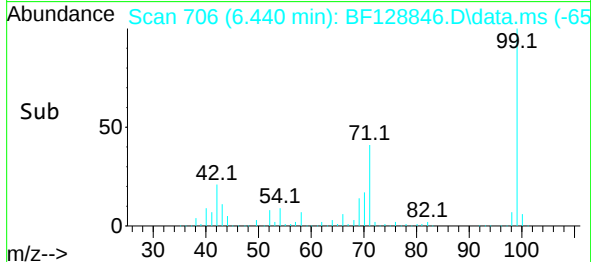
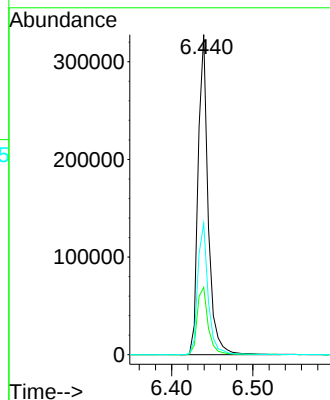
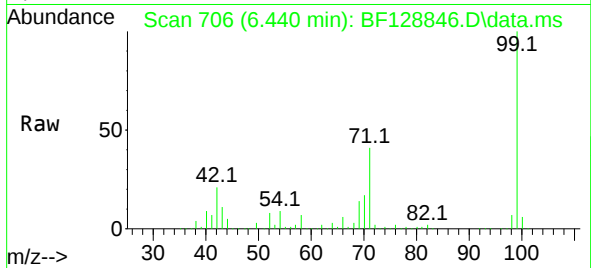




#7
Phenol-d6
Concen: 37.546 ng
RT: 6.440 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF128846.D
Acq: 16 Jun 2022 18:31

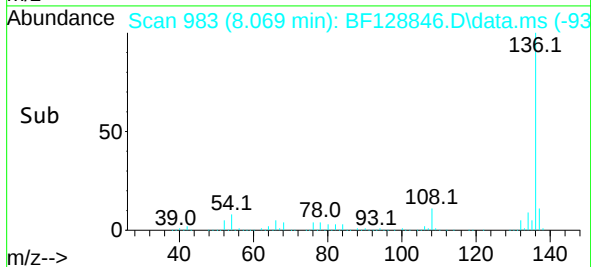
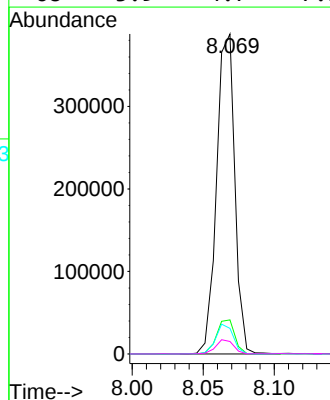
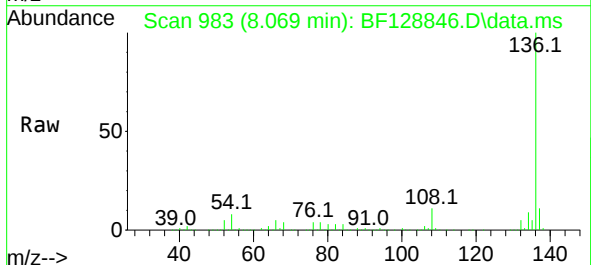
Instrument :
BNA_F
ClientSampleId :
PL-01-061422DL

Tgt Ion: 99 Resp: 282823
Ion Ratio Lower Upper
99 100
42 21.0 17.3 25.9
71 41.0 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF128846.D
Acq: 16 Jun 2022 18:31

Tgt Ion: 136 Resp: 345450
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.0 7.5 11.3
68 3.9 4.7 7.1#

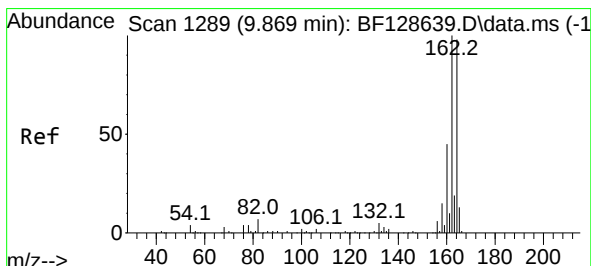
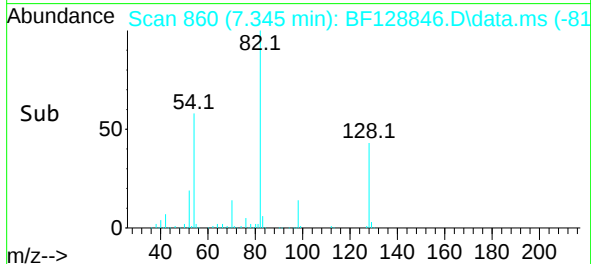
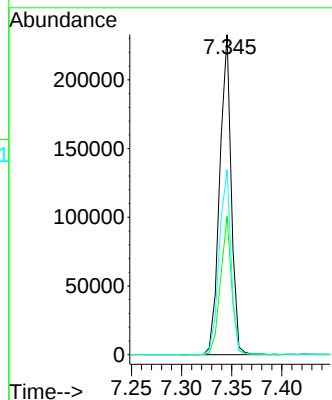
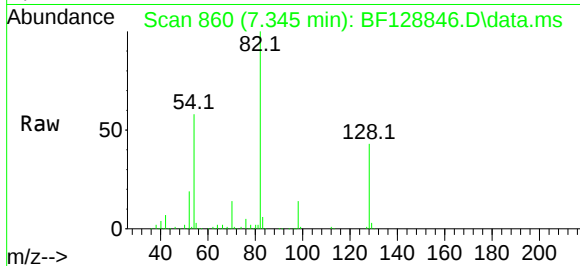




#23
Nitrobenzene-d5
Concen: 25.036 ng
RT: 7.345 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF128846.D
Acq: 16 Jun 2022 18:31

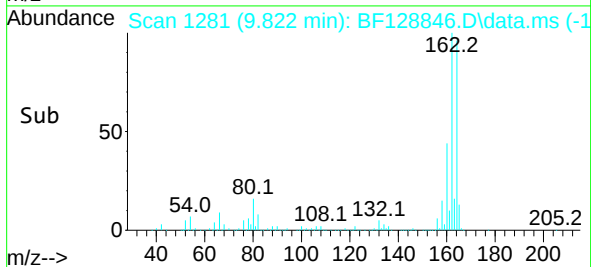
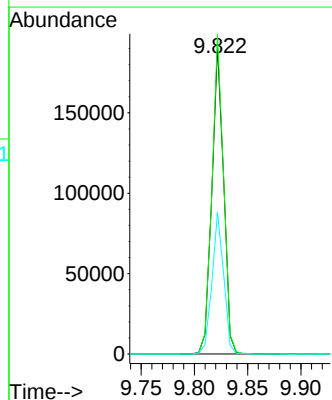
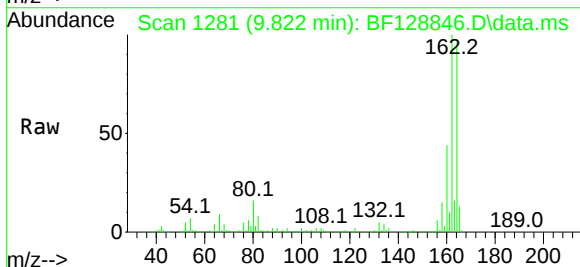
Instrument :
BNA_F
ClientSampleId :
PL-01-061422DL

Tgt Ion: 82 Resp: 185759
Ion Ratio Lower Upper
82 100
128 43.3 34.0 51.0
54 57.8 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: BF128846.D
Acq: 16 Jun 2022 18:31

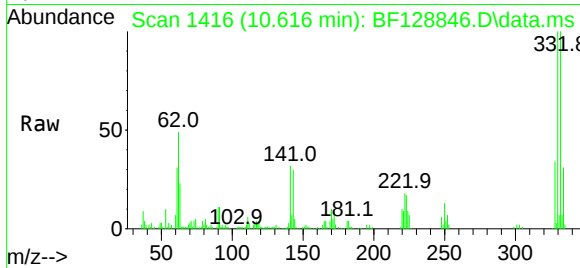
Tgt Ion:164 Resp: 147403
Ion Ratio Lower Upper
164 100
162 104.0 79.5 119.3
160 46.1 34.2 51.4



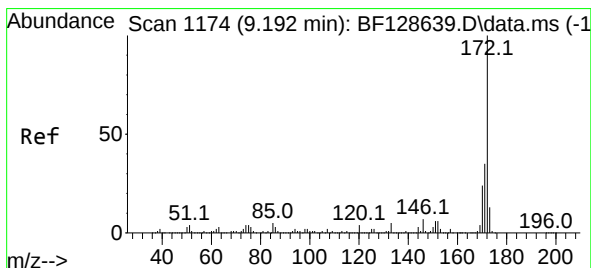
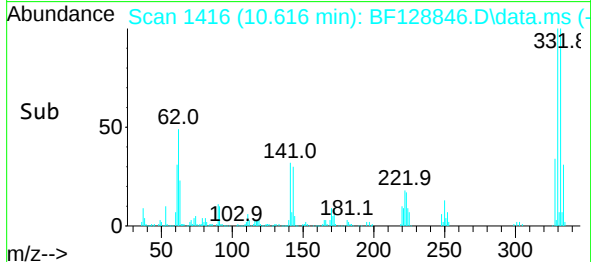
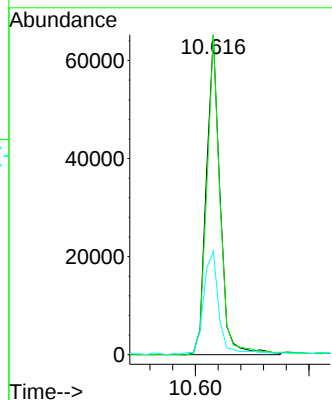


#42
2,4,6-Tribromophenol
Concen: 31.206 ng
RT: 10.616 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF128846.D
Acq: 16 Jun 2022 18:31

Instrument :
BNA_F
ClientSampleId :
PL-01-061422DL

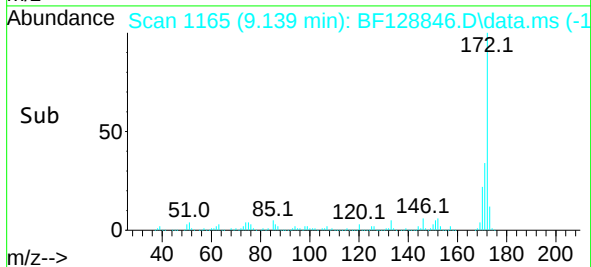
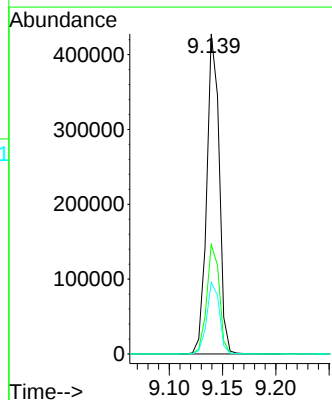
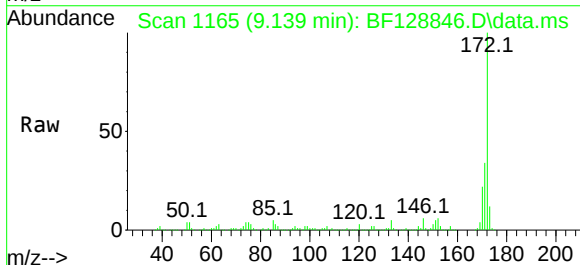


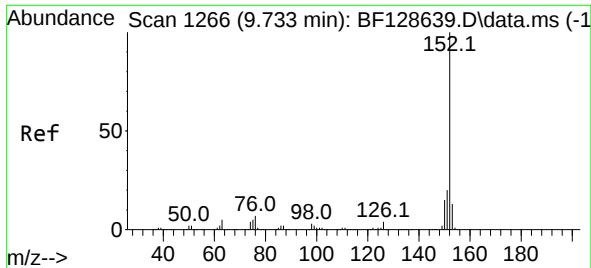
Tgt Ion:330 Resp: 54350
Ion Ratio Lower Upper
330 100
332 98.2 76.8 115.2
141 38.0 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 33.296 ng
RT: 9.139 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF128846.D
Acq: 16 Jun 2022 18:31

Tgt Ion:172 Resp: 350368
Ion Ratio Lower Upper
172 100
171 34.2 28.8 43.2
170 22.4 19.8 29.8

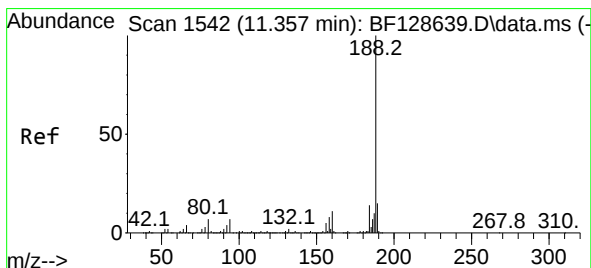
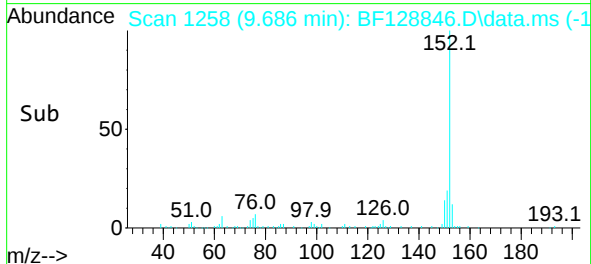
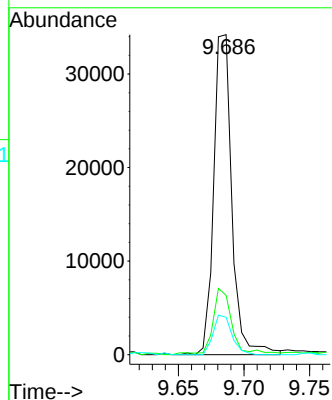
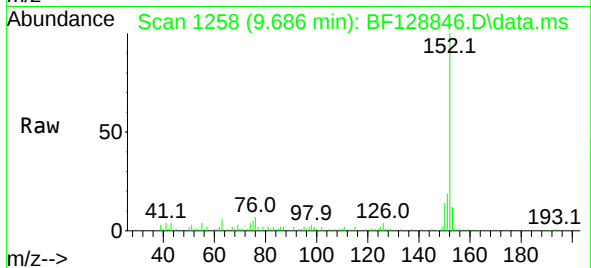




#49
Acenaphthylene
Concen: 2.556 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128846.D
Acq: 16 Jun 2022 18:31

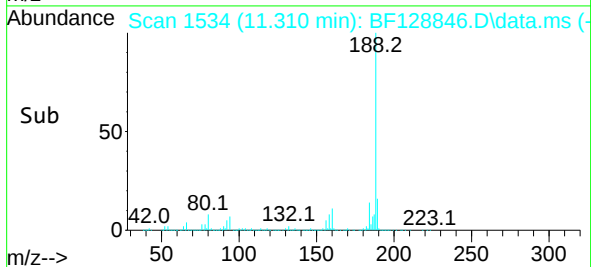
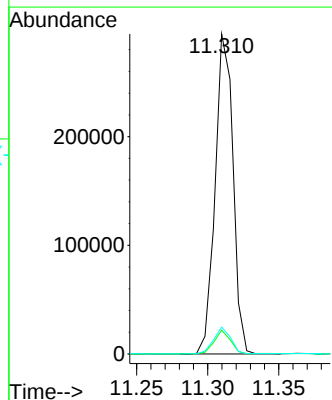
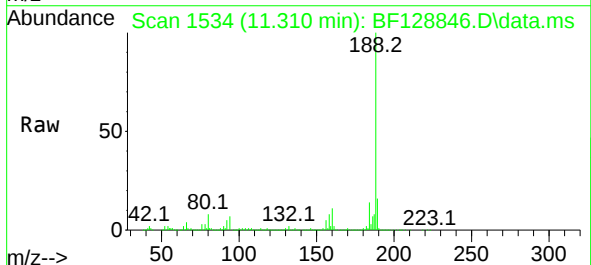
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PL-01-061422DL

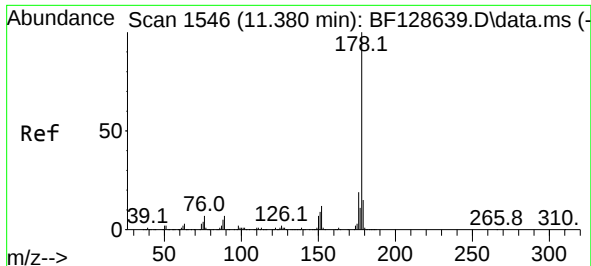
Tgt Ion:152 Resp: 33018
Ion Ratio Lower Upper
152 100
151 18.6 16.2 24.4
153 11.7 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF128846.D
Acq: 16 Jun 2022 18:31

Tgt Ion:188 Resp: 257577
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 8.4 7.6 11.4

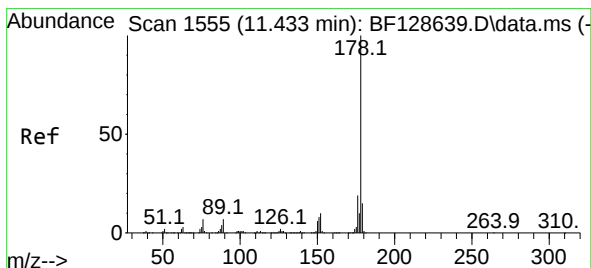
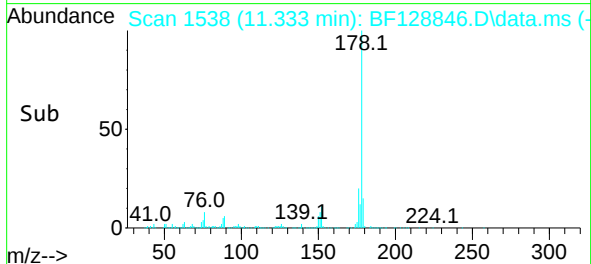
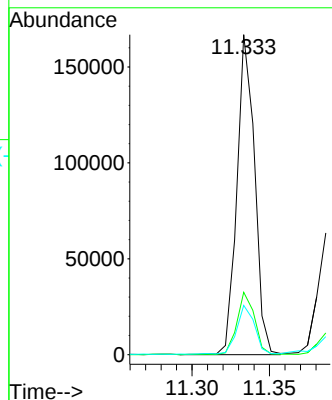
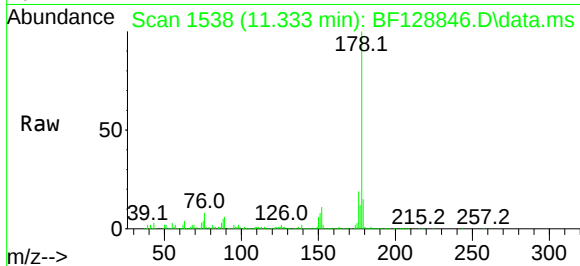




#71
Phenanthrene
Concen: 10.267 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128846.D
Acq: 16 Jun 2022 18:31

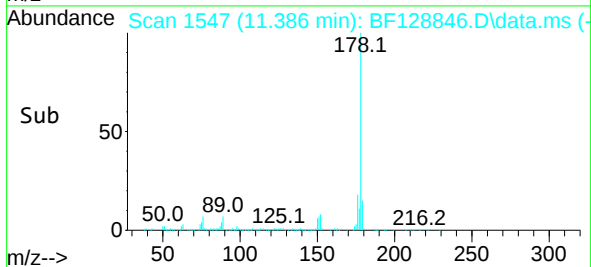
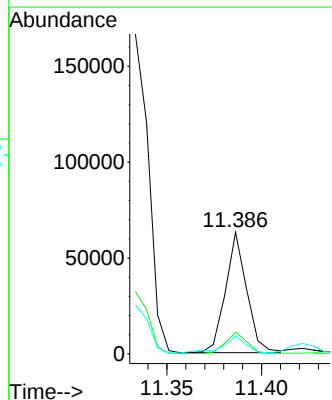
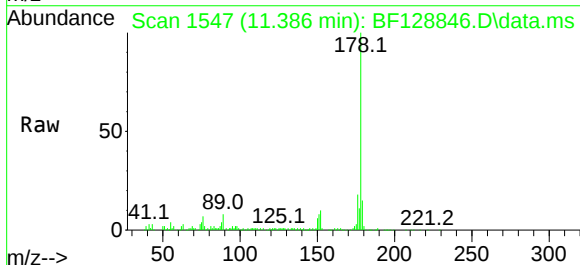
Instrument :
BNA_F
ClientSampleId :
PL-01-061422DL

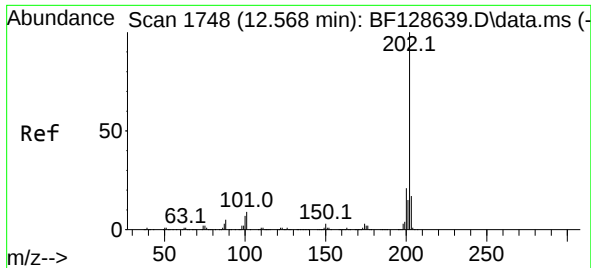
Tgt Ion:178 Resp: 132646
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.4 12.6 19.0



#72
Anthracene
Concen: 3.827 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF128846.D
Acq: 16 Jun 2022 18:31

Tgt Ion:178 Resp: 48942
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 14.9 12.6 19.0

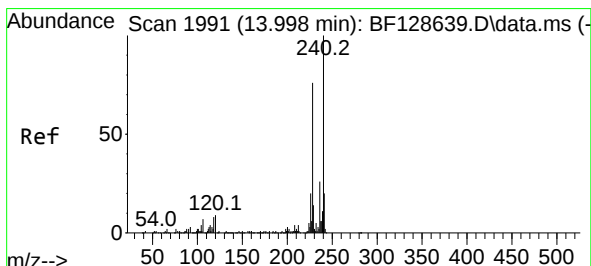
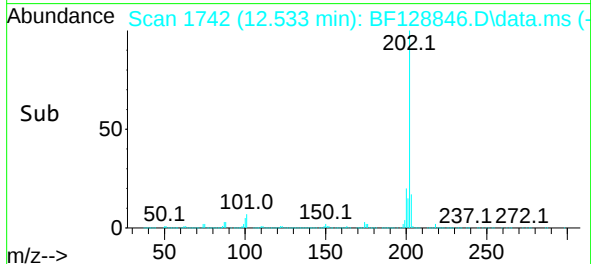
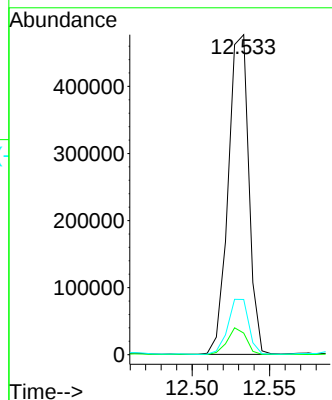
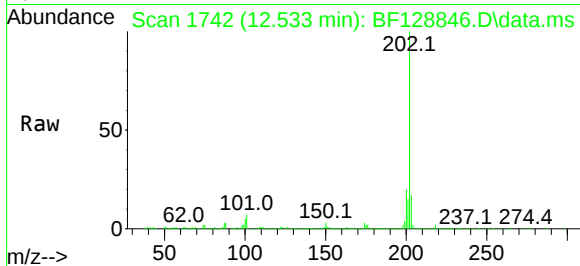




#75
Fluoranthene
Concen: 32.572 ng
RT: 12.533 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128846.D
Acq: 16 Jun 2022 18:31

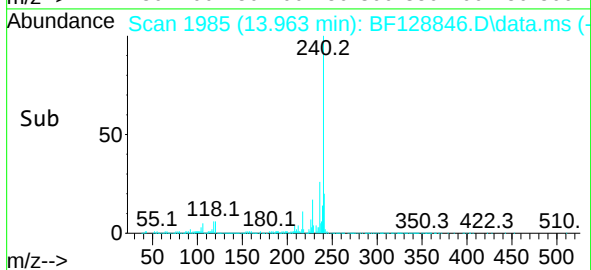
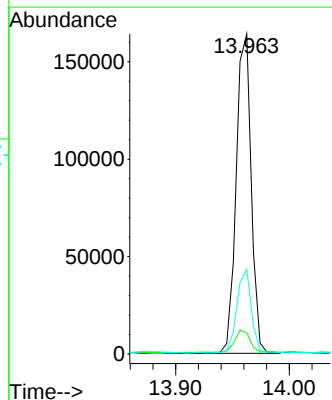
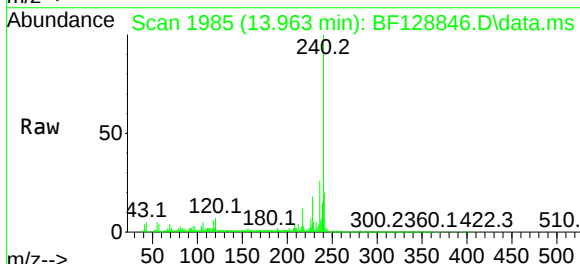
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BNA_F
ClientSampleId :
PL-01-061422DL

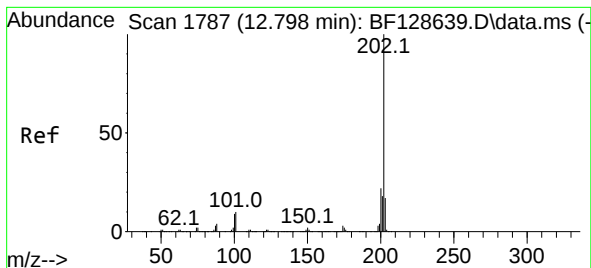
Tgt Ion:202 Resp: 439878
Ion Ratio Lower Upper
202 100
101 6.8 0.0 31.4
203 17.3 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BF128846.D
Acq: 16 Jun 2022 18:31

Tgt Ion:240 Resp: 150089
Ion Ratio Lower Upper
240 100
120 6.6 8.9 13.3#
236 26.5 20.8 31.2





#78

Pyrene

Concen: 37.093 ng

RT: 12.757 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF128846.D

Acq: 16 Jun 2022 18:31

Instrument :

BNA_F

ClientSampleId :

PL-01-061422DL

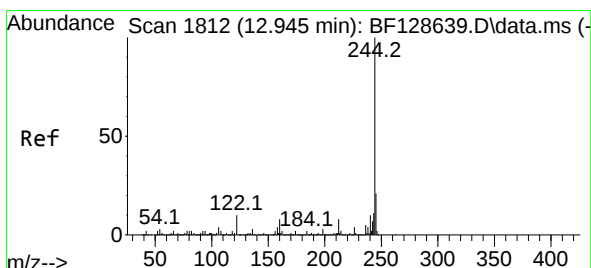
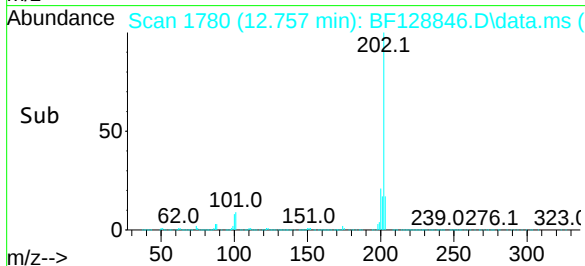
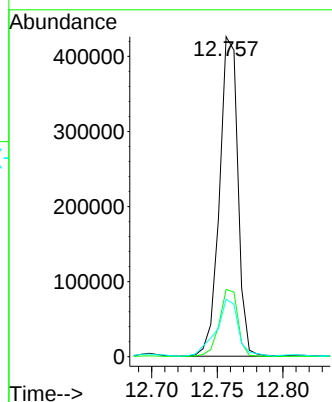
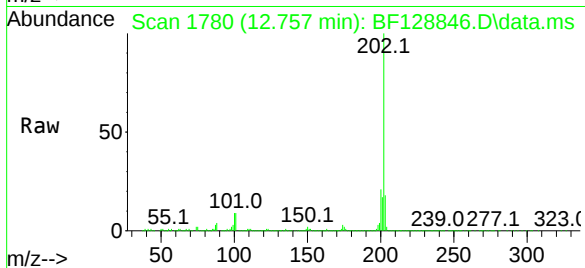
Tgt Ion:202 Resp: 414203

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

203 18.0 14.6 21.8



#79

Terphenyl-d14

Concen: 31.115 ng

RT: 12.898 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF128846.D

Acq: 16 Jun 2022 18:31

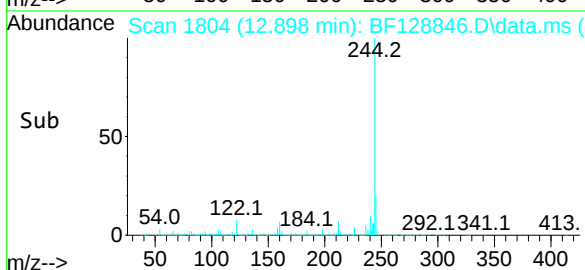
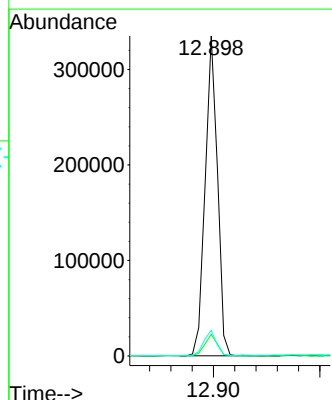
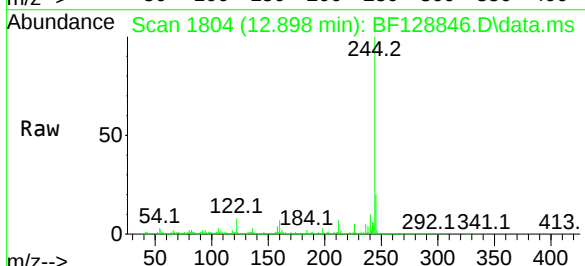
Tgt Ion:244 Resp: 268759

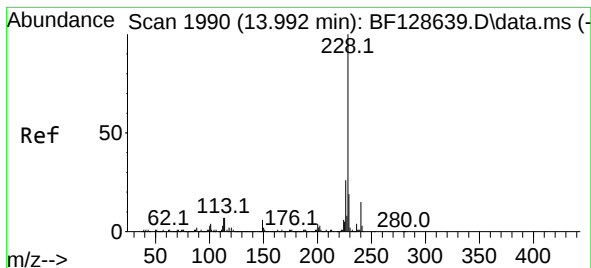
Ion Ratio Lower Upper

244 100

212 6.8 6.1 9.1

122 8.0 8.8 13.2#





#81

Benzo(a)anthracene

Concen: 19.818 ng

RT: 13.951 min Scan# 1983

Delta R.T. -0.000 min

Lab File: BF128846.D

Acq: 16 Jun 2022 18:31

Instrument :

BNA_F

ClientSampleId :

PL-01-061422DL

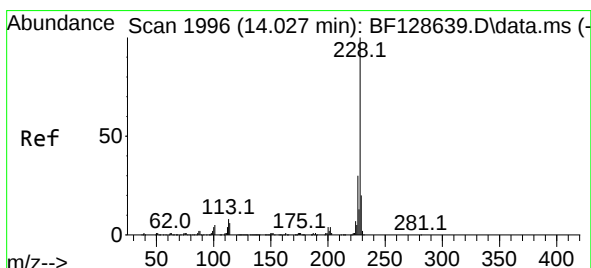
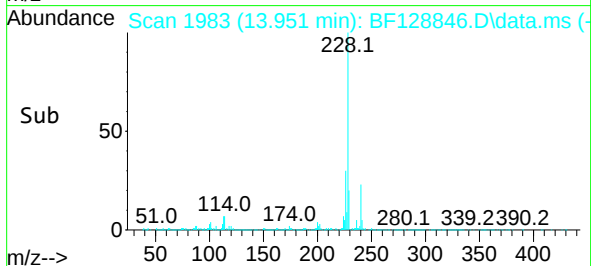
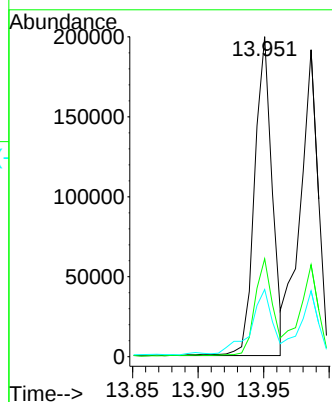
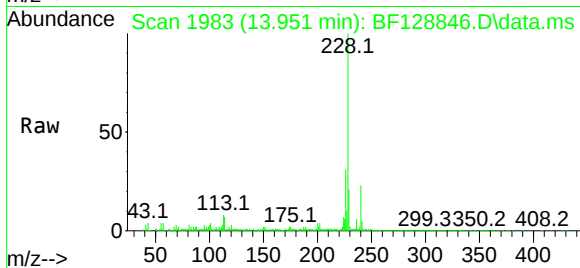
Tgt Ion:228 Resp: 185408

Ion Ratio Lower Upper

228 100

226 30.6 22.1 33.1

229 21.0 15.8 23.8



#83

Chrysene

Concen: 20.811 ng m

RT: 13.986 min Scan# 1989

Delta R.T. -0.006 min

Lab File: BF128846.D

Acq: 16 Jun 2022 18:31

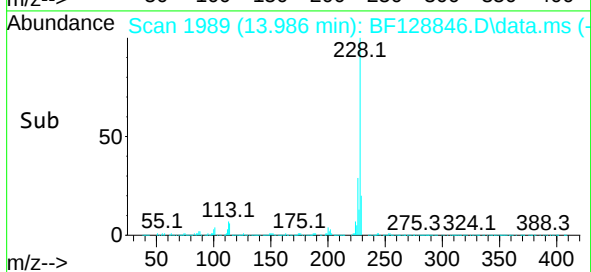
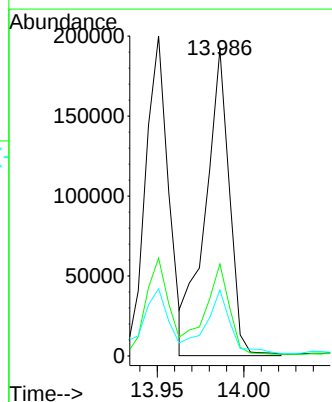
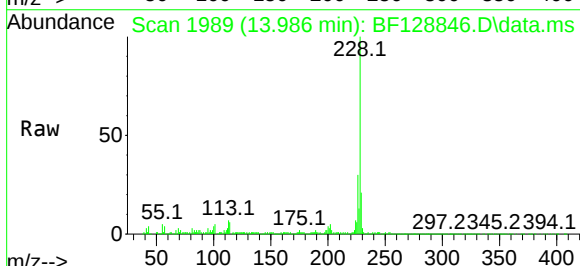
Tgt Ion:228 Resp: 185622

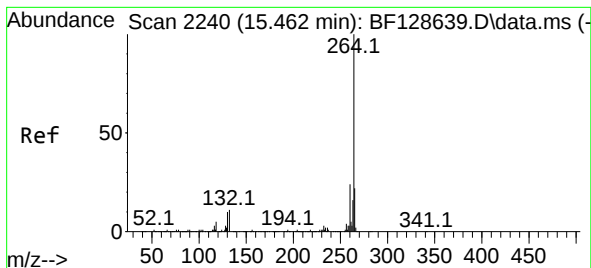
Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 21.5 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128846.D

Acq: 16 Jun 2022 18:31

Instrument :

BNA_F

ClientSampleId :

PL-01-061422DL

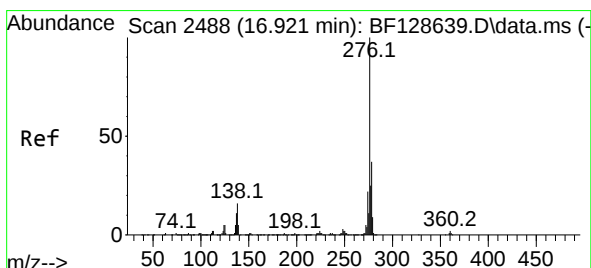
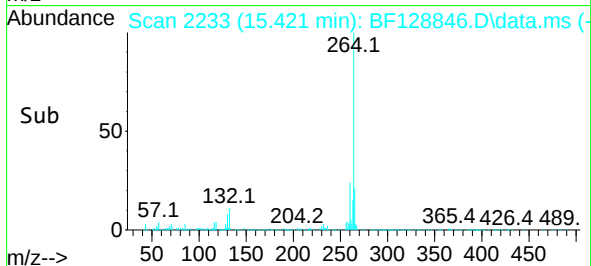
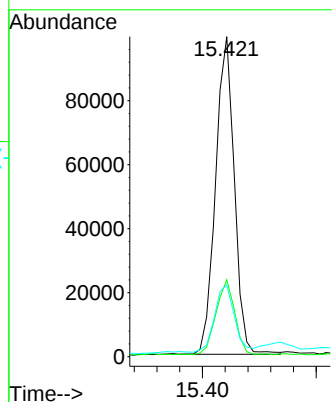
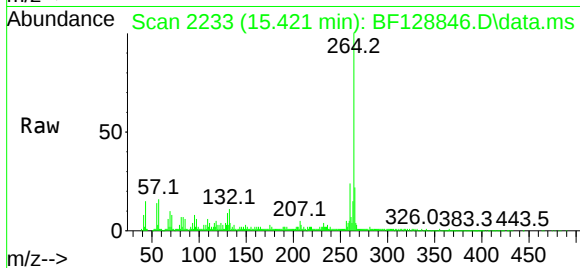
Tgt Ion:264 Resp: 114024

Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 22.5 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.246 ng m

RT: 16.868 min Scan# 2479

Delta R.T. 0.006 min

Lab File: BF128846.D

Acq: 16 Jun 2022 18:31

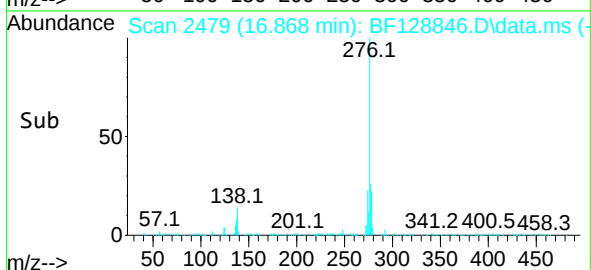
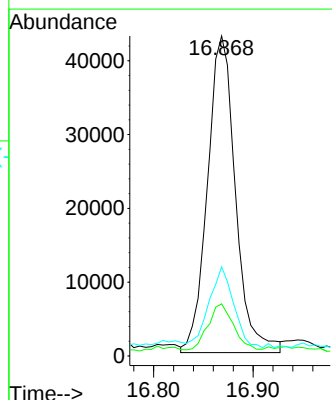
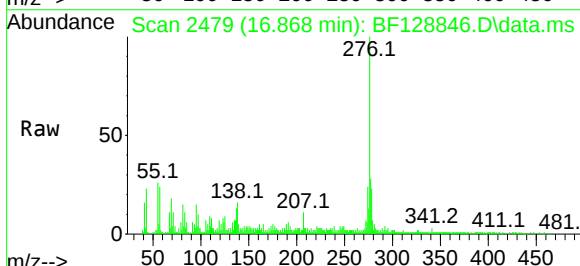
Tgt Ion:276 Resp: 84162

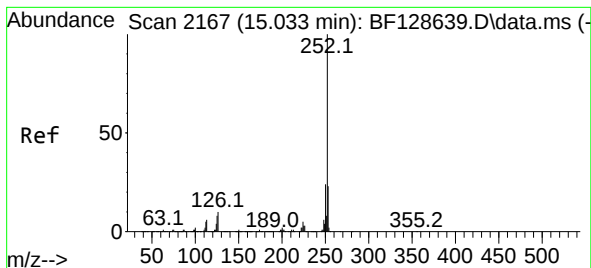
Ion Ratio Lower Upper

276 100

138 3.7 21.1 31.7#

277 4.5 20.3 30.5#





#88

Benzo(b)fluoranthene

Concen: 29.951 ng m

RT: 14.998 min Scan# 2165

Delta R.T. 0.006 min

Lab File: BF128846.D

Acq: 16 Jun 2022 18:31

Instrument :

BNA_F

ClientSampleId :

PL-01-061422DL

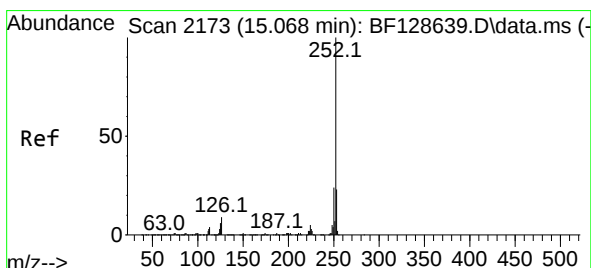
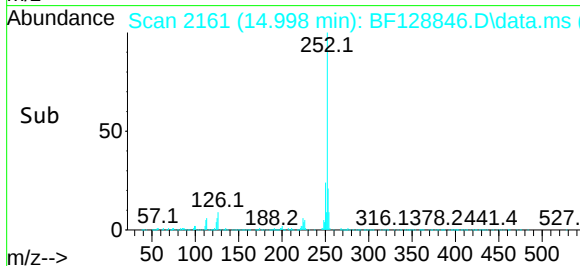
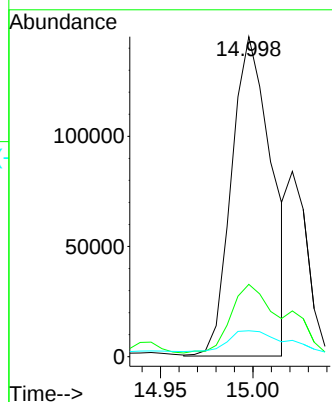
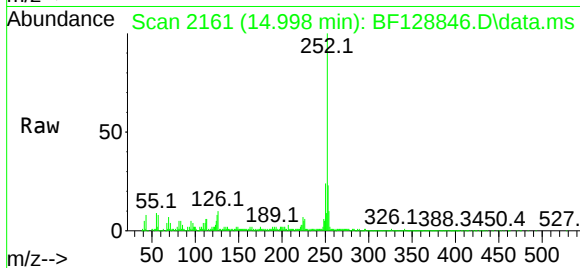
Tgt Ion:252 Resp: 218220

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 8.1 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 9.329 ng m

RT: 15.021 min Scan# 2165

Delta R.T. -0.006 min

Lab File: BF128846.D

Acq: 16 Jun 2022 18:31

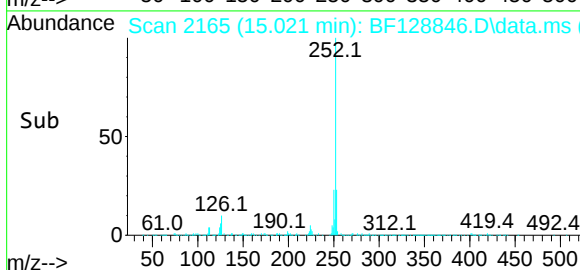
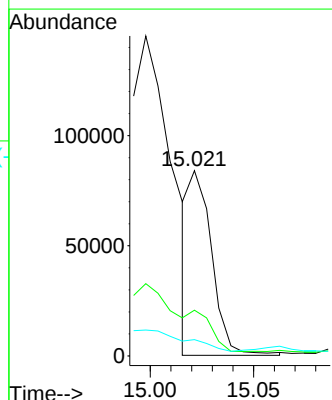
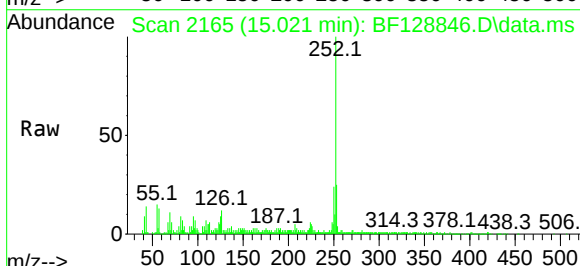
Tgt Ion:252 Resp: 63941

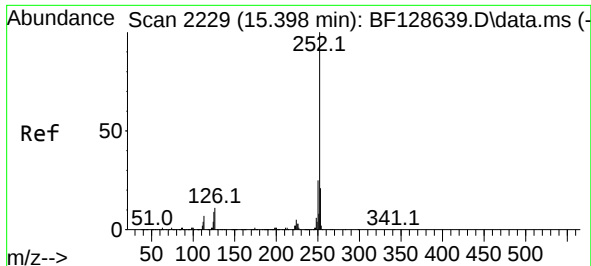
Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

125 8.8 8.3 12.5

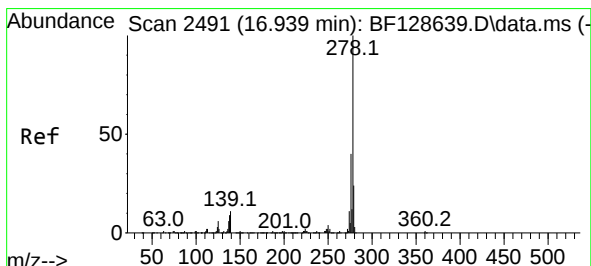
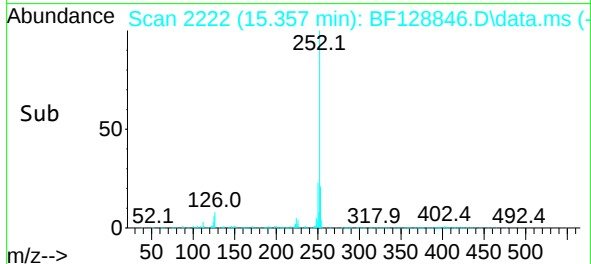
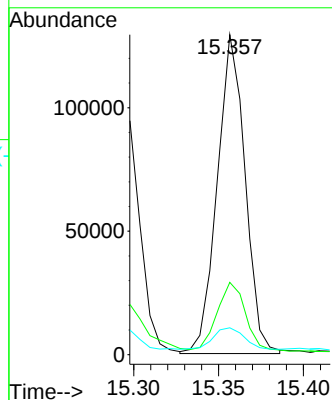
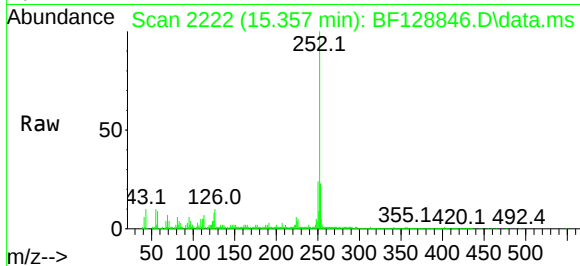




#90
Benzo(a)pyrene
Concen: 25.762 ng m
RT: 15.357 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128846.D
Acq: 16 Jun 2022 18:31

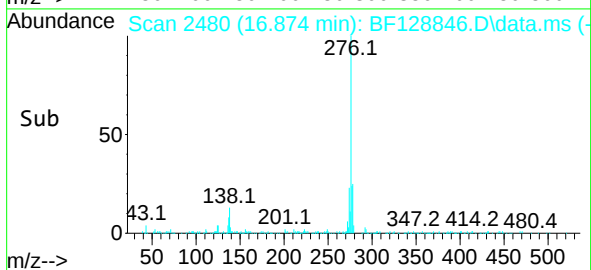
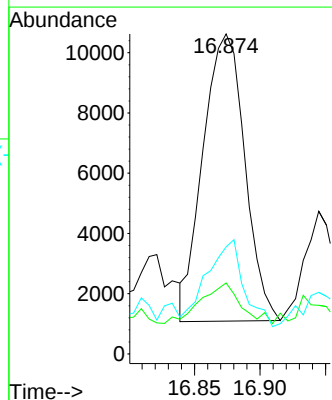
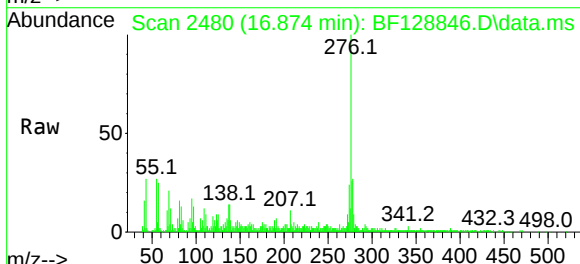
Instrument :
BNA_F
ClientSampleId :
PL-01-061422DL

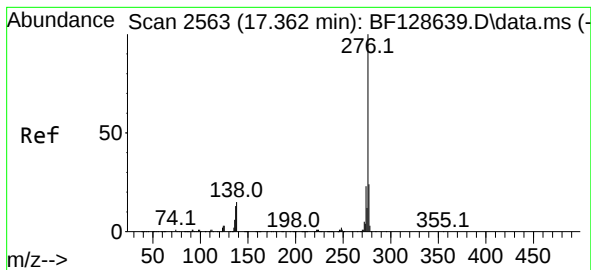
Tgt Ion:252 Resp: 147527
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 8.4 8.8 13.2#



#91
Dibenzo(a,h)anthracene
Concen: 3.697 ng
RT: 16.874 min Scan# 2480
Delta R.T. -0.000 min
Lab File: BF128846.D
Acq: 16 Jun 2022 18:31

Tgt Ion:278 Resp: 21075
Ion Ratio Lower Upper
278 100
139 22.2 12.8 19.2#
279 33.4 18.6 28.0#





#92

Benzo(g,h,i)perylene

Concen: 13.879 ng

RT: 17.309 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF128846.D

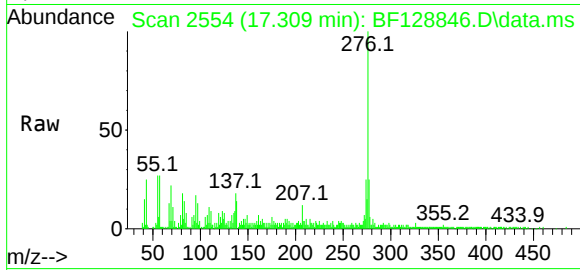
Acq: 16 Jun 2022 18:31

Instrument :

BNA_F

ClientSampleId :

PL-01-061422DL



Tgt Ion:276 Resp: 78416

Ion Ratio Lower Upper

276 100

277 25.3 19.1 28.7

138 14.2 18.0 27.0#

