

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
 Data File : BF128183.D
 Acq On : 11 May 2022 02:12
 Operator : CG\JU
 Sample : N2759-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-050922

Quant Time: May 11 04:03:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 15:30:11 2022
 Response via : Initial Calibration

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

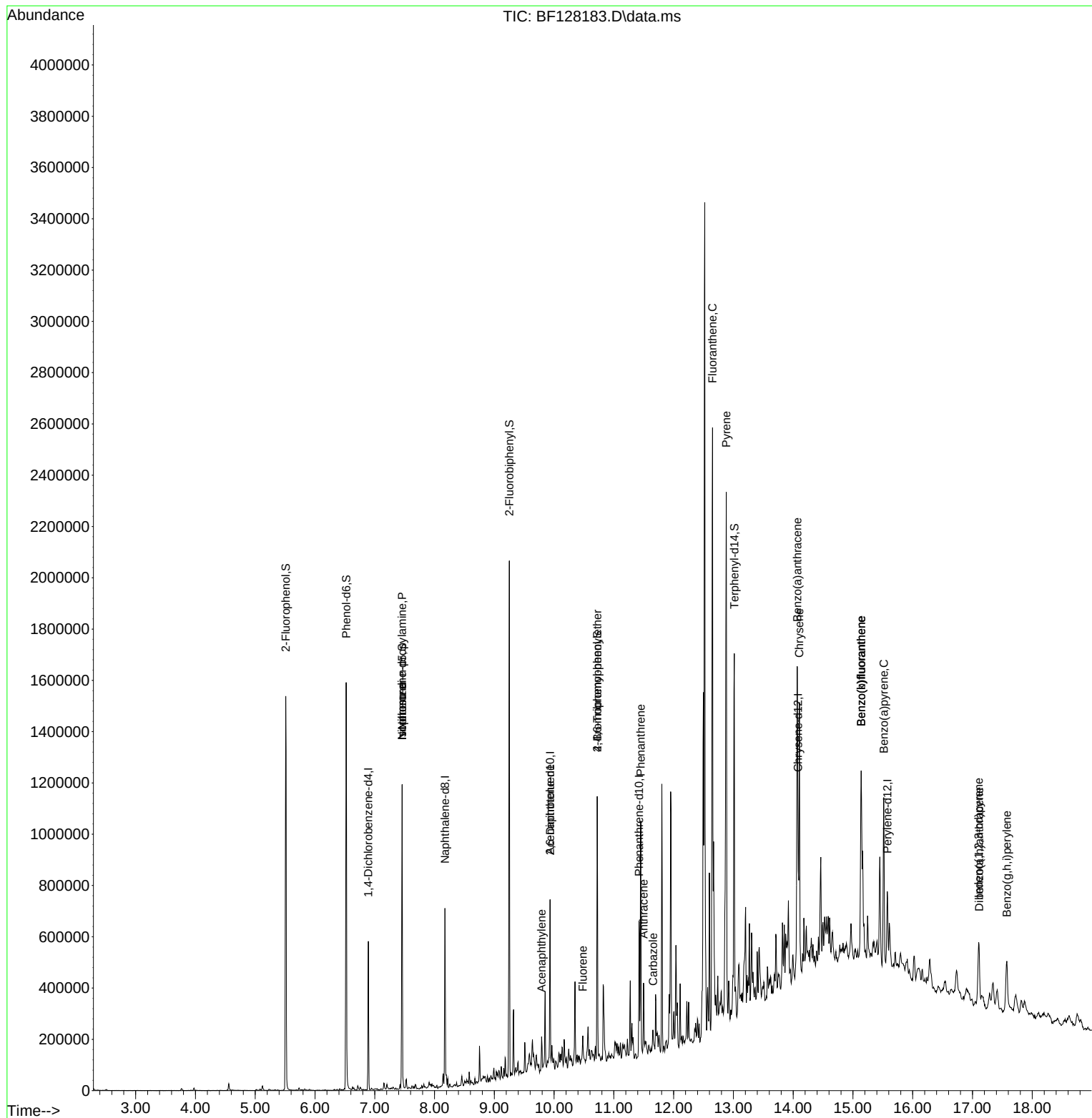
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	71420	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	250335	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	122698	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	196741	20.000	ng	0.00
76) Chrysene-d12	14.080	240	139444	20.000	ng	0.00
86) Perylene-d12	15.580	264	103014	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	390251	87.106	ng	0.00
7) Phenol-d6	6.522	99	507283	85.607	ng	0.00
23) Nitrobenzene-d5	7.457	82	352125	63.293	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	107981	76.735	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	533523	68.037	ng	0.00
79) Terphenyl-d14	13.015	244	488057	65.675	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.451	77	581	Below Cal		92
19) n-Nitroso-di-n-propyla...	7.457	70	50160	13.745 ng	#	77
25) Isophorone	7.457	82	350572	40.193 ng	#	68
49) Acenaphthylene	9.792	152	43166	4.311 ng		99
51) 2,6-Dinitrotoluene	9.933	165	17308	9.965 ng	#	22
58) Fluorene	10.480	166	22828	2.973 ng		99
67) 4-Bromophenyl-phenylether	10.722	248	6642	3.138 ng	#	1
71) Phenanthrene	11.451	178	318667	32.529 ng		99
72) Anthracene	11.498	178	105803	10.817 ng		99
73) Carbazole	11.657	167	20068	2.158 ng		98
75) Fluoranthene	12.651	202	887981	83.607 ng		97
78) Pyrene	12.880	202	865094	85.560 ng		100
81) Benzo(a)anthracene	14.068	228	450246	50.551 ng		96
83) Chrysene	14.104	228	423936	49.884 ng		97
87) Indeno(1,2,3-cd)pyrene	17.103	276	176971	28.399 ng	#	93
88) Benzo(b)fluoranthene	15.139	252	598786	93.769 ng		98
89) Benzo(k)fluoranthene	15.139	252	597926	94.855 ng		96
90) Benzo(a)pyrene	15.515	252	306558	59.464 ng		96
91) Dibenzo(a,h)anthracene	17.115	278	48563	9.626 ng	#	89
92) Benzo(g,h,i)perylene	17.574	276	175274	34.313 ng		95

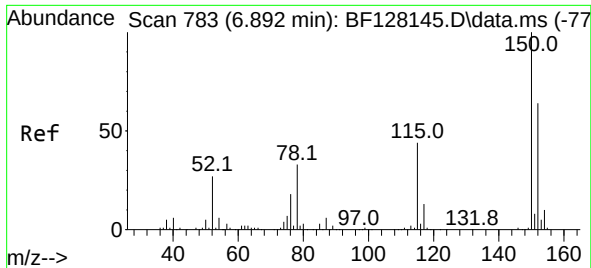
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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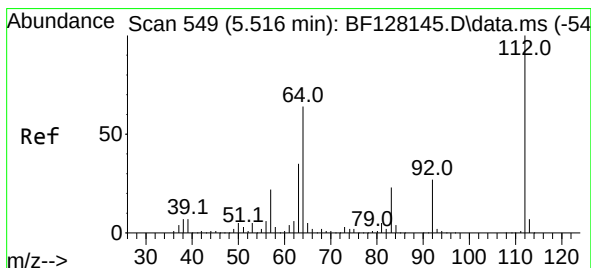
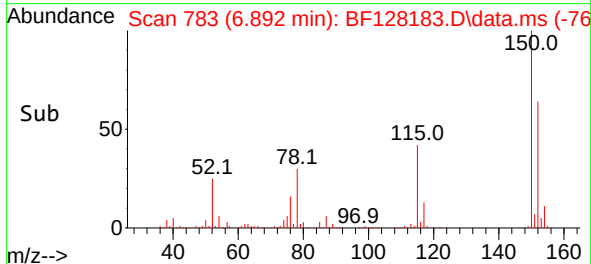
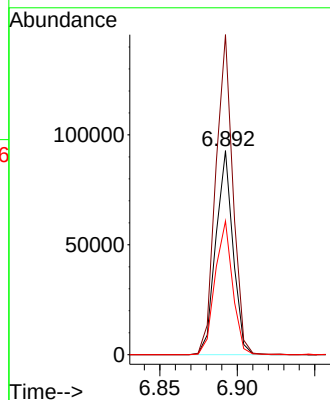
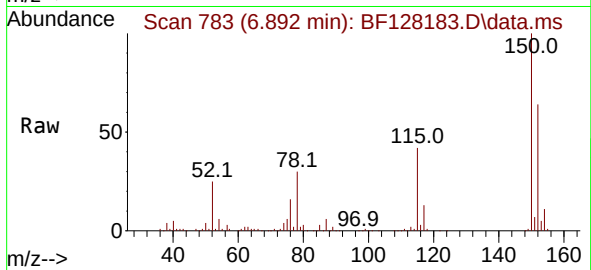




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BF128183.D
 Acq: 11 May 2022 02:12

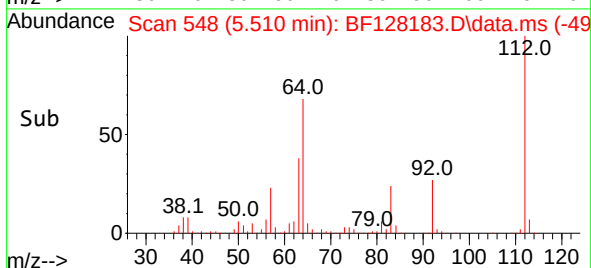
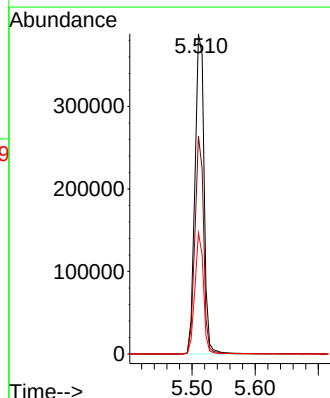
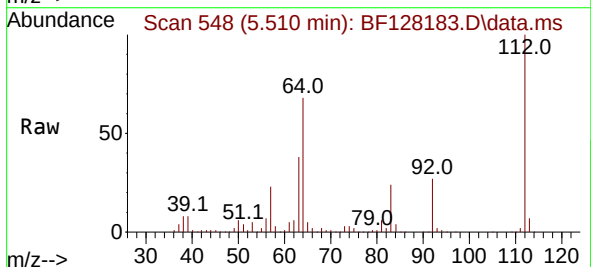
Instrument :
 BNA_F
 ClientSampleId :
 PL-02-050922

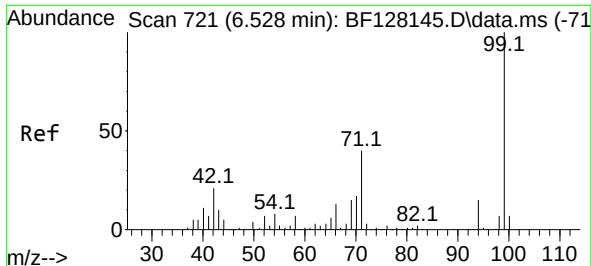
Tgt Ion:152 Resp: 71420
 Ion Ratio Lower Upper
 152 100
 150 156.8 125.3 187.9
 115 65.5 48.8 73.2



#5
 2-Fluorophenol
 Concen: 87.106 ng
 RT: 5.510 min Scan# 548
 Delta R.T. -0.006 min
 Lab File: BF128183.D
 Acq: 11 May 2022 02:12

Tgt Ion:112 Resp: 390251
 Ion Ratio Lower Upper
 112 100
 64 68.0 49.5 74.3
 63 37.9 26.3 39.5

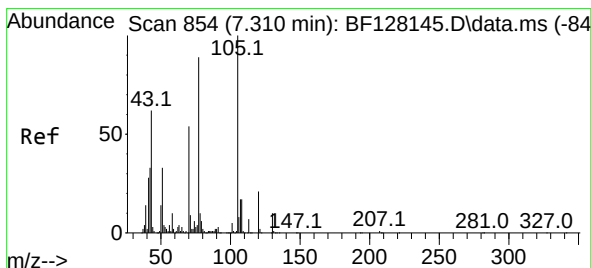
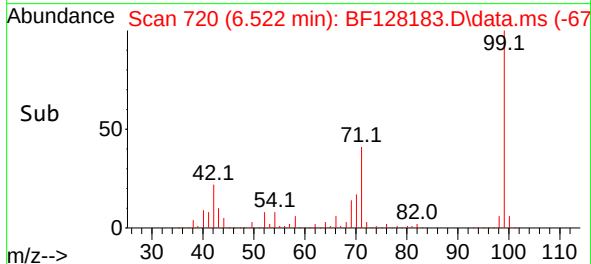
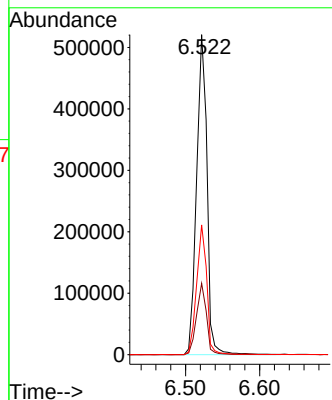
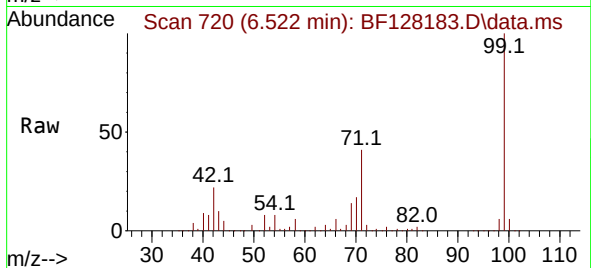




#7
Phenol-d6
Concen: 85.607 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

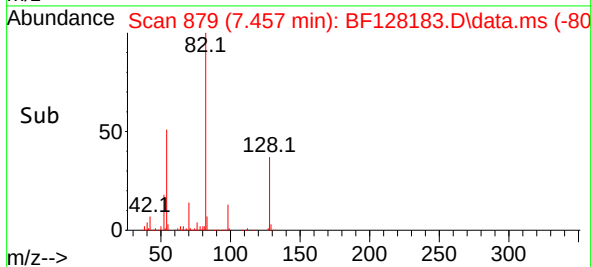
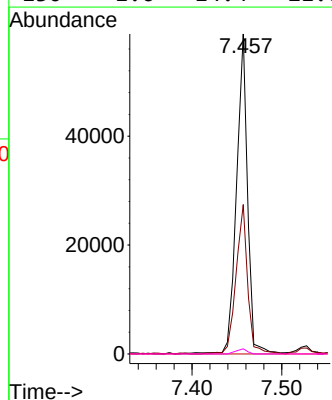
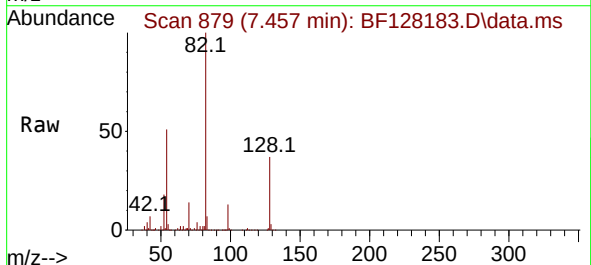
Instrument :
BNA_F
ClientSampleId :
PL-02-050922

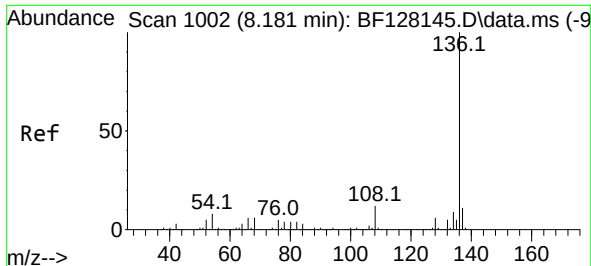
Tgt Ion: 99 Resp: 507283
Ion Ratio Lower Upper
99 100
42 22.3 16.6 24.8
71 40.6 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.745 ng
RT: 7.457 min Scan# 879
Delta R.T. 0.147 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

Tgt Ion: 70 Resp: 50160
Ion Ratio Lower Upper
70 100
42 46.7 48.7 73.1#
101 0.0 7.2 10.8#
130 1.6 14.4 21.6#

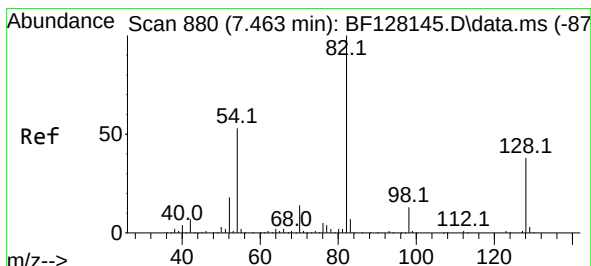
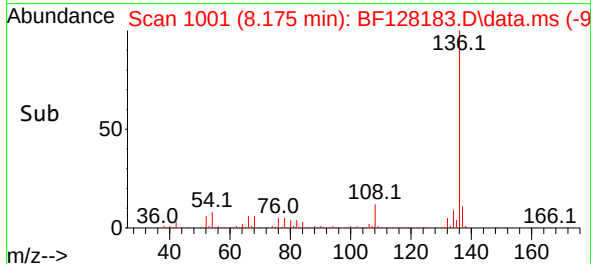
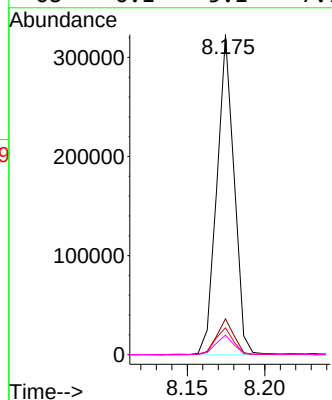
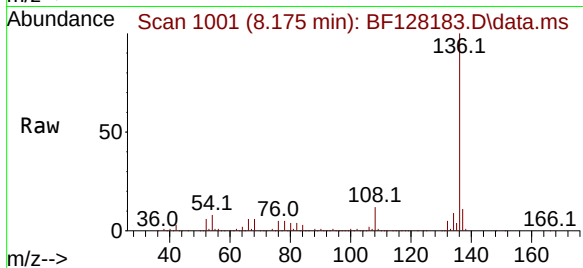




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

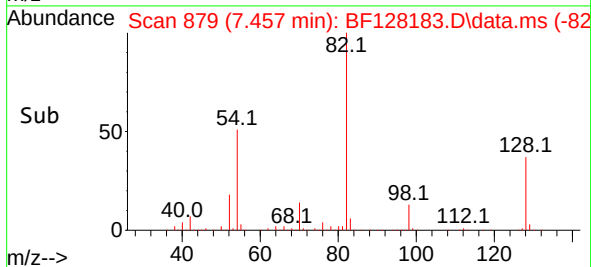
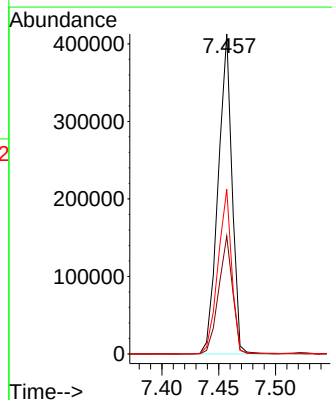
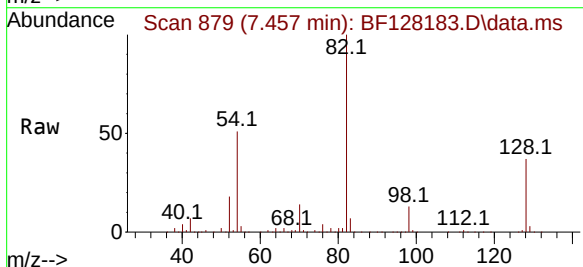
Instrument :
BNA_F
ClientSampleId :
PL-02-050922

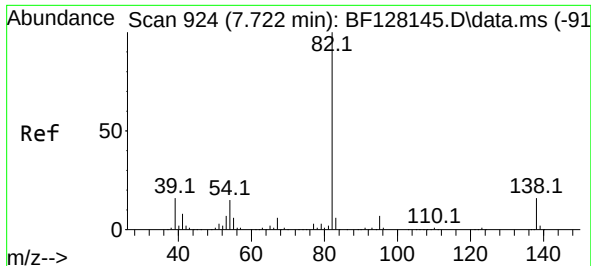
Tgt Ion:136	Resp: 250335		
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	8.4	6.8	10.2
68	6.1	5.1	7.7



#23
Nitrobenzene-d5
Concen: 63.293 ng
RT: 7.457 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

Tgt Ion: 82	Resp: 352125
Ion Ratio	Lower Upper
82 100	
128 36.9	30.0 45.0
54 51.5	41.3 61.9

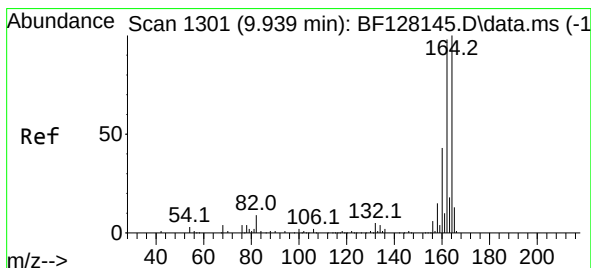
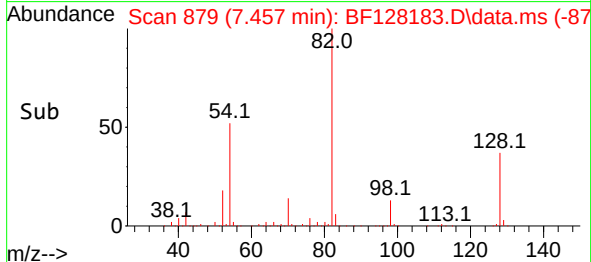
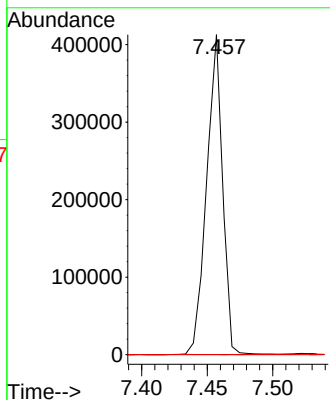
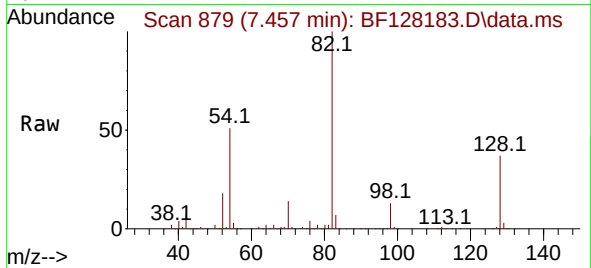




#25
Isophorone
Concen: 40.193 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

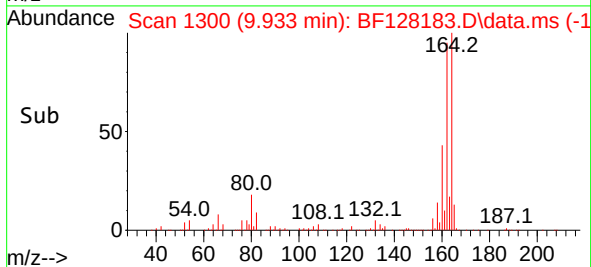
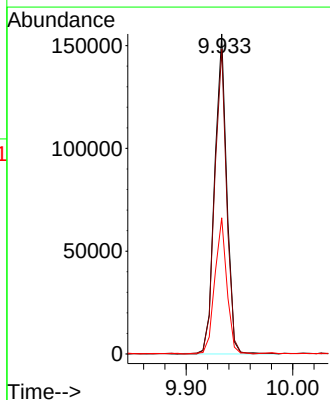
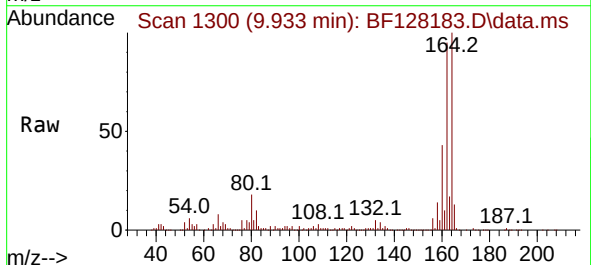
Instrument :
BNA_F
ClientSampleId :
PL-02-050922

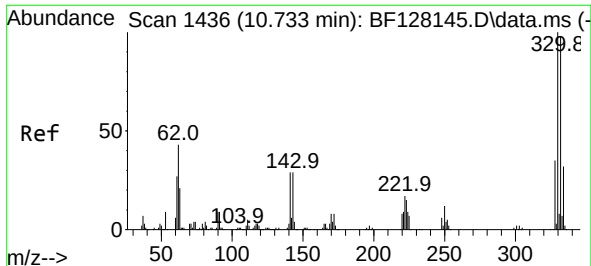
Tgt Ion: 82 Resp: 350572
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

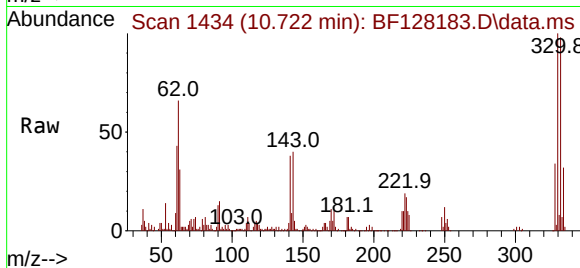
Tgt Ion:164 Resp: 122698
Ion Ratio Lower Upper
164 100
162 95.3 76.0 114.0
160 42.6 34.8 52.2



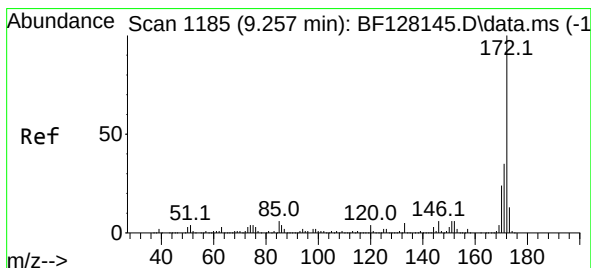
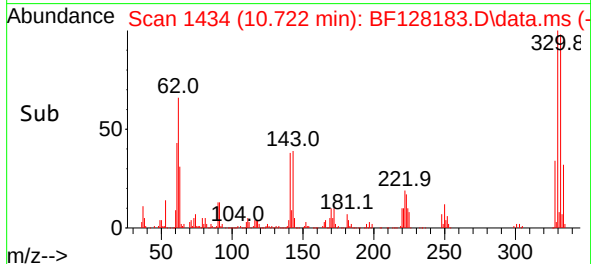
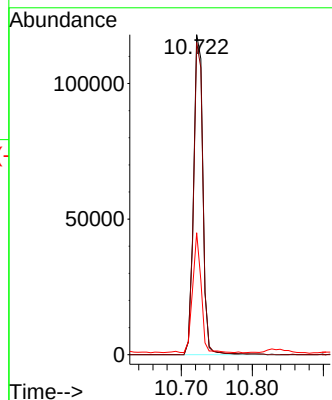


#42
2,4,6-Tribromophenol
Concen: 76.735 ng
RT: 10.722 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

Instrument :
BNA_F
ClientSampleId :
PL-02-050922

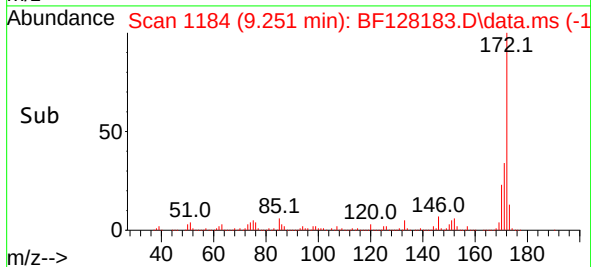
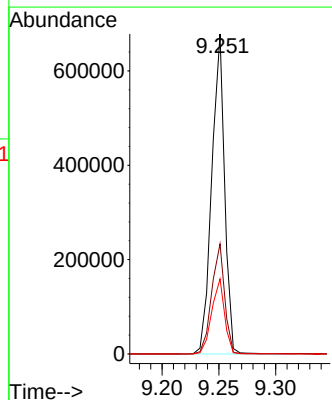
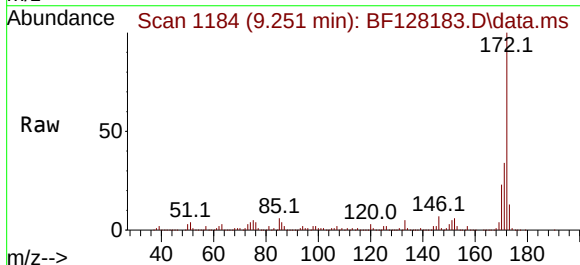


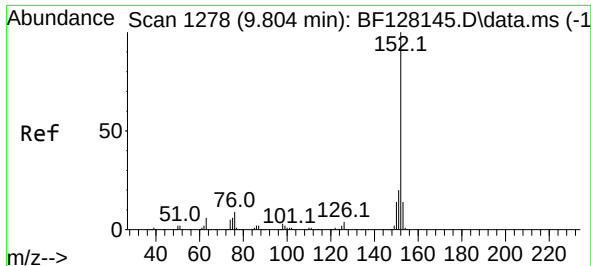
Tgt Ion:330 Resp: 107981
Ion Ratio Lower Upper
330 100
332 97.3 79.0 118.4
141 34.4 28.9 43.3



#45
2-Fluorobiphenyl
Concen: 68.037 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

Tgt Ion:172 Resp: 533523
Ion Ratio Lower Upper
172 100
171 34.4 28.6 42.8
170 23.5 19.1 28.7

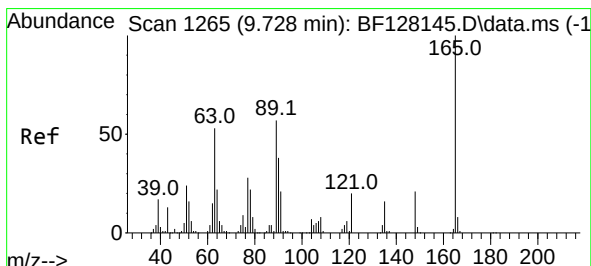
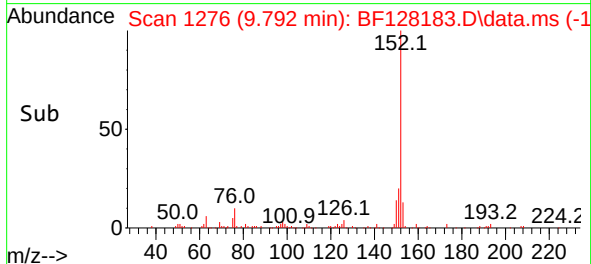
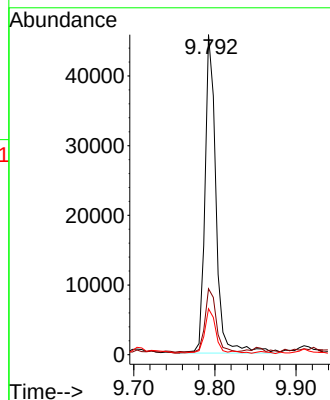
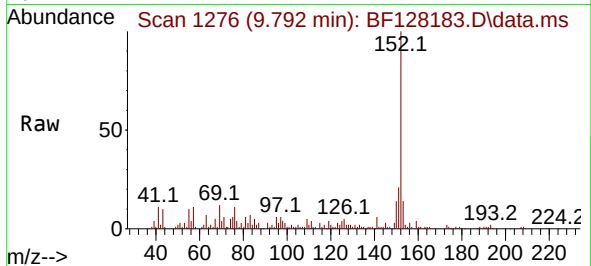




#49
Acenaphthylene
Concen: 4.311 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

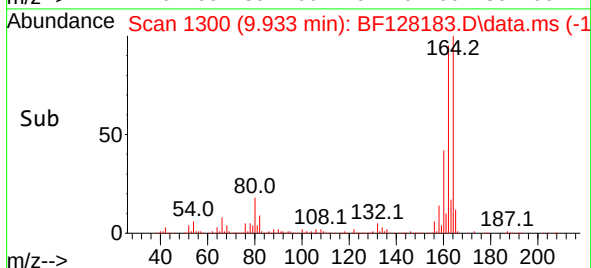
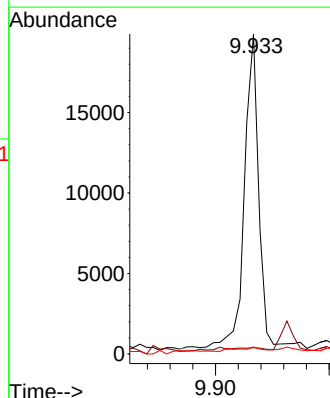
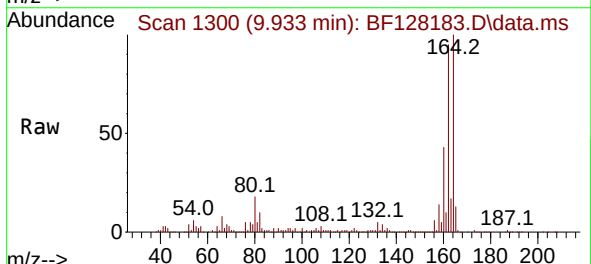
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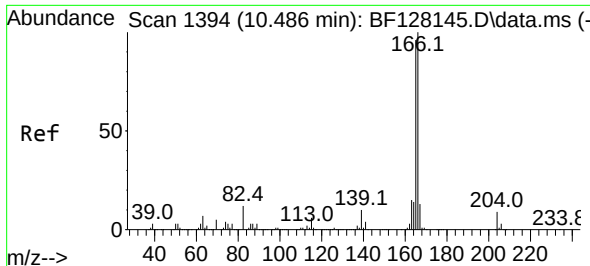
Tgt Ion:152 Resp: 43166
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.2
153 14.4 11.2 16.8



#51
2,6-Dinitrotoluene
Concen: 9.965 ng
RT: 9.933 min Scan# 1300
Delta R.T. 0.206 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

Tgt Ion:165 Resp: 17308
Ion Ratio Lower Upper
165 100
63 1.9 49.5 74.3#
89 2.2 49.0 73.4#

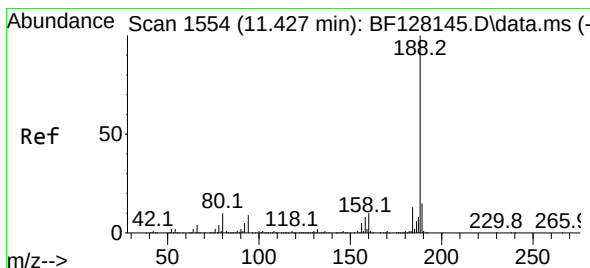
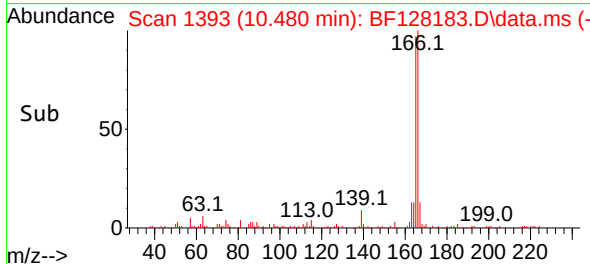
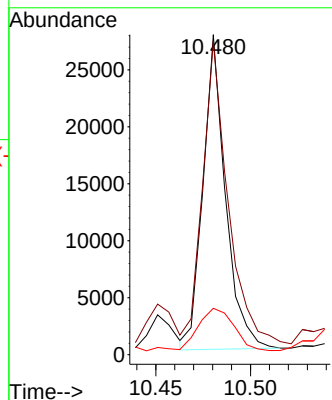
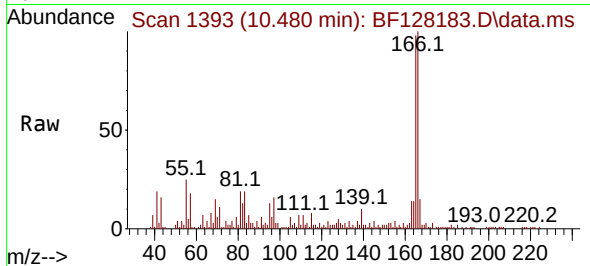




#58
Fluorene
Concen: 2.973 ng
RT: 10.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

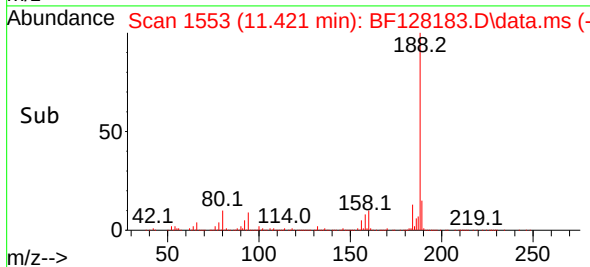
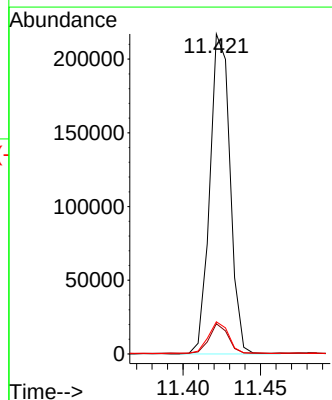
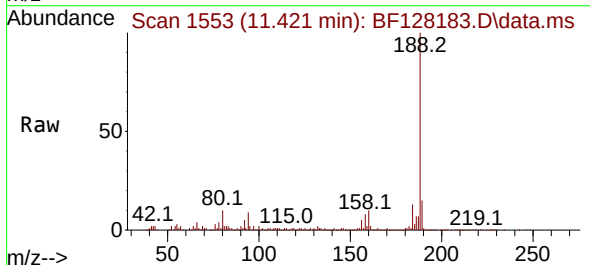
Instrument :
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ClientSampleId :
PL-02-050922

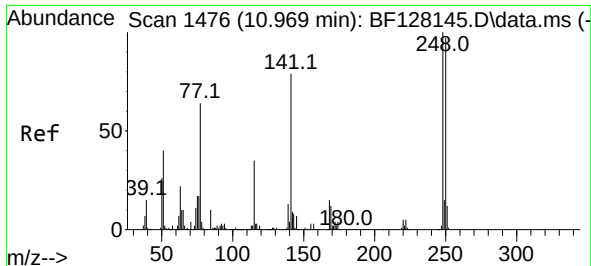
Tgt Ion:166 Resp: 22828
Ion Ratio Lower Upper
166 100
165 97.9 78.6 117.8
167 14.5 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

Tgt Ion:188 Resp: 196741
Ion Ratio Lower Upper
188 100
94 9.5 8.0 12.0
80 10.1 8.9 13.3

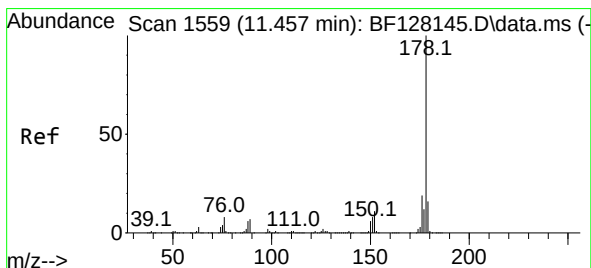
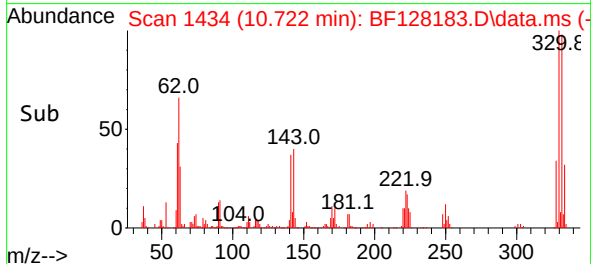
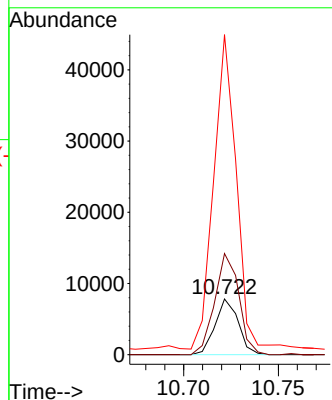
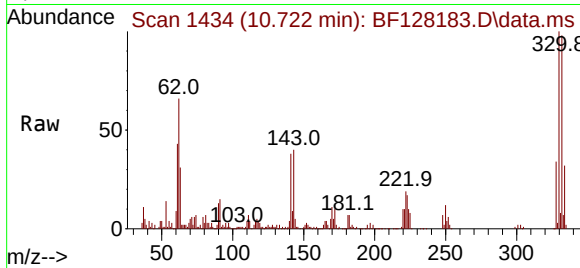




#67
4-Bromophenyl-phenylether
Concen: 3.138 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

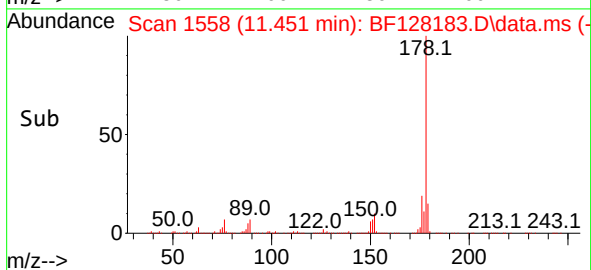
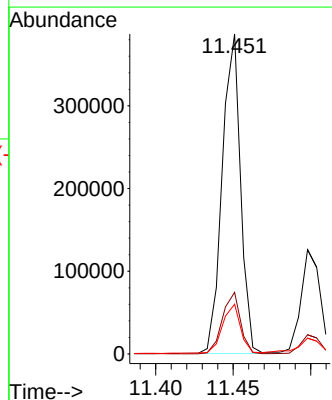
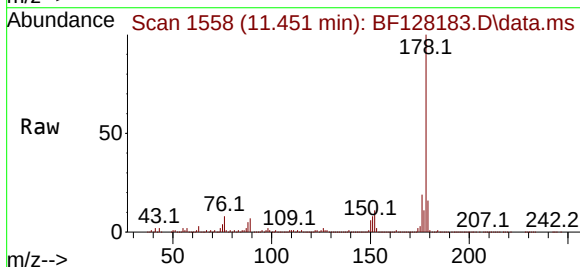
Instrument :
BNA_F
ClientSampleId :
PL-02-050922

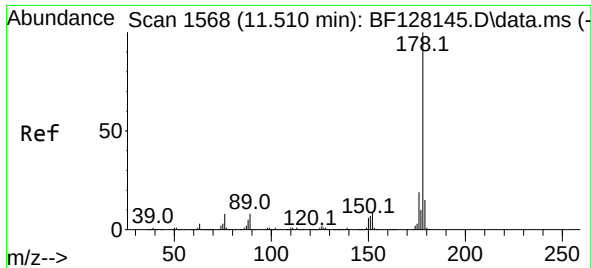
Tgt Ion:248 Resp: 6642
Ion Ratio Lower Upper
248 100
250 181.5 77.7 116.5#
141 573.9 65.6 98.4#



#71
Phenanthrene
Concen: 32.529 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

Tgt Ion:178 Resp: 318667
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.6 12.6 19.0

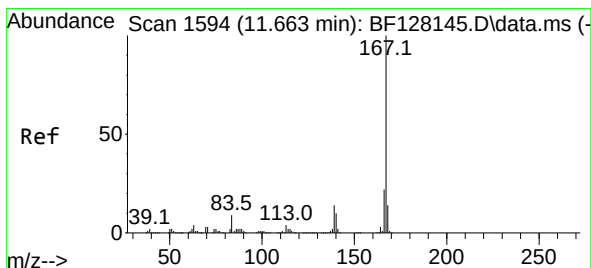
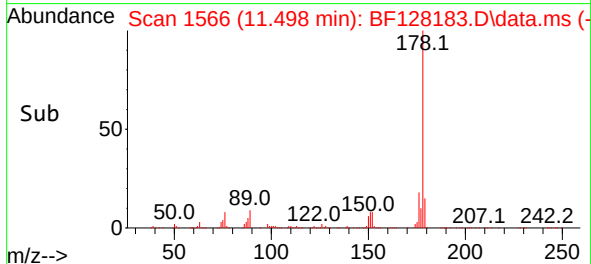
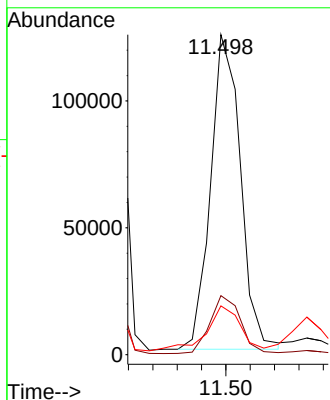
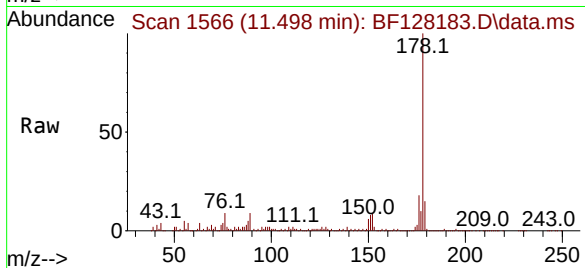




#72
 Anthracene
 Concen: 10.817 ng
 RT: 11.498 min Scan# 1566
 Delta R.T. -0.012 min
 Lab File: BF128183.D
 Acq: 11 May 2022 02:12

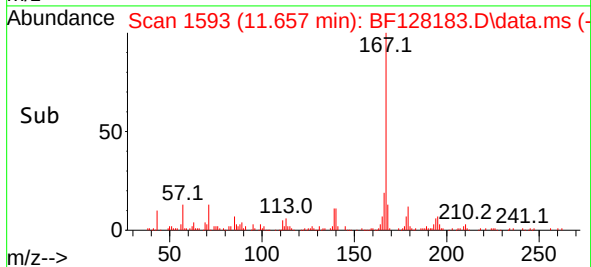
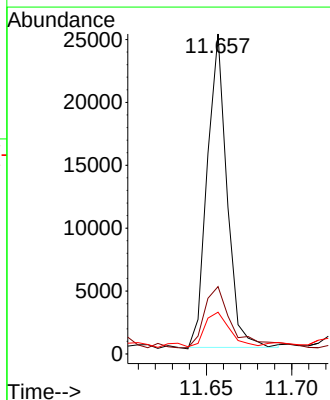
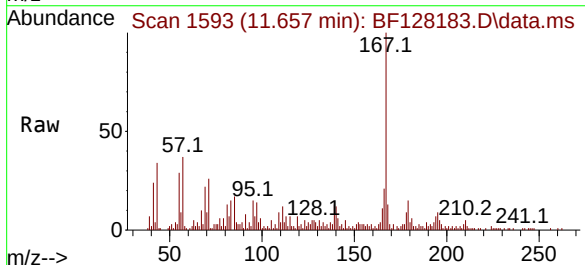
Instrument :
 BNA_F
 ClientSampleId :
 PL-02-050922

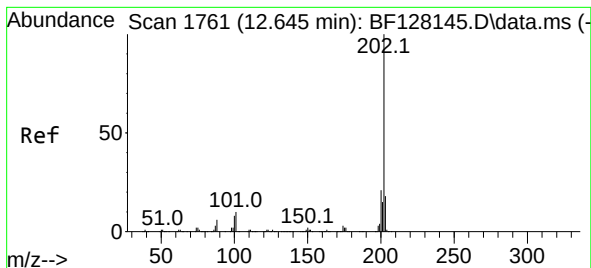
Tgt Ion:178 Resp: 105803
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.6
 179 15.2 12.4 18.6



#73
 Carbazole
 Concen: 2.158 ng
 RT: 11.657 min Scan# 1593
 Delta R.T. -0.006 min
 Lab File: BF128183.D
 Acq: 11 May 2022 02:12

Tgt Ion:167 Resp: 20068
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.6 26.4
 139 13.1 10.7 16.1





#75

Fluoranthene

Concen: 83.607 ng

RT: 12.651 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF128183.D

Acq: 11 May 2022 02:12

Instrument :

BNA_F

ClientSampleId :

PL-02-050922

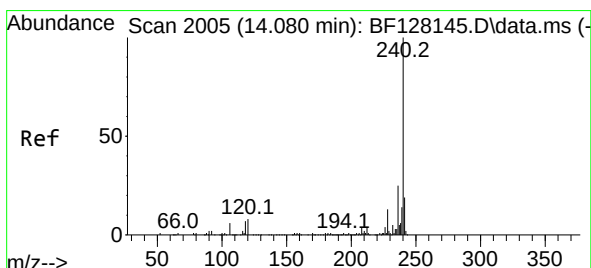
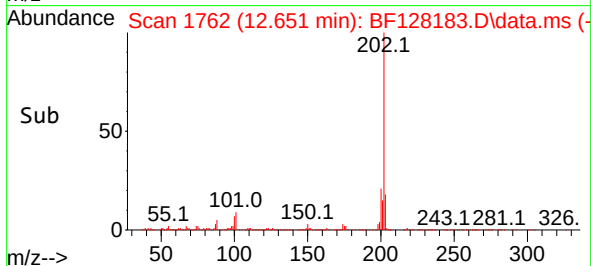
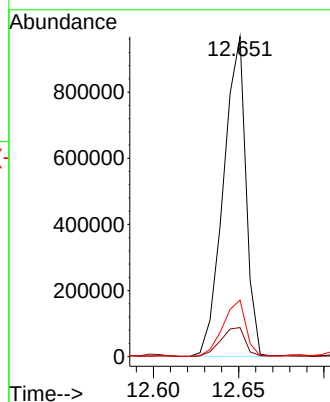
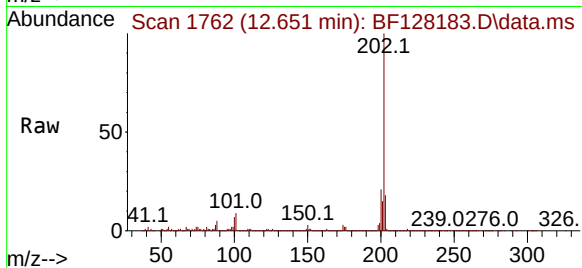
Tgt Ion:202 Resp: 887981

Ion Ratio Lower Upper

202 100

101 9.1 0.0 31.6

203 17.7 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2005

Delta R.T. -0.000 min

Lab File: BF128183.D

Acq: 11 May 2022 02:12

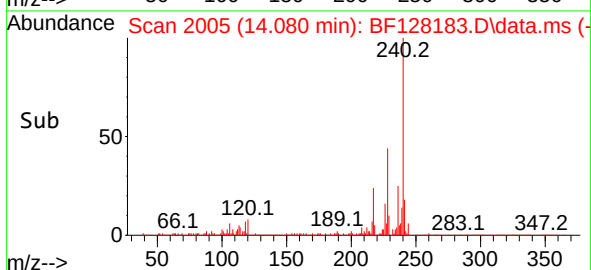
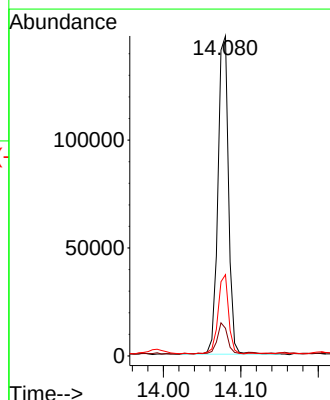
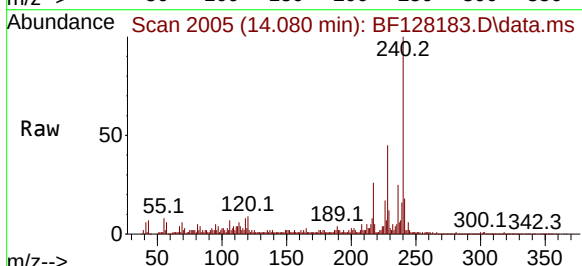
Tgt Ion:240 Resp: 139444

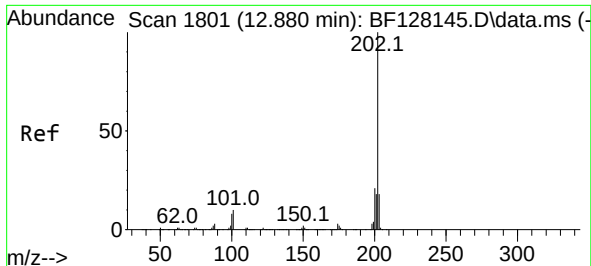
Ion Ratio Lower Upper

240 100

120 8.7 7.0 10.6

236 25.4 20.3 30.5

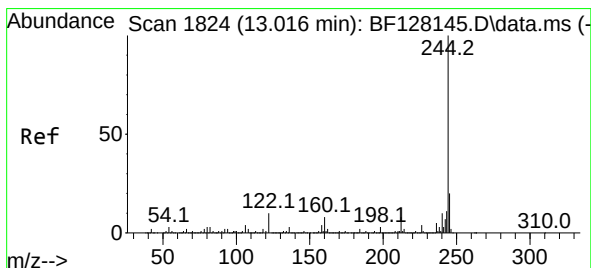
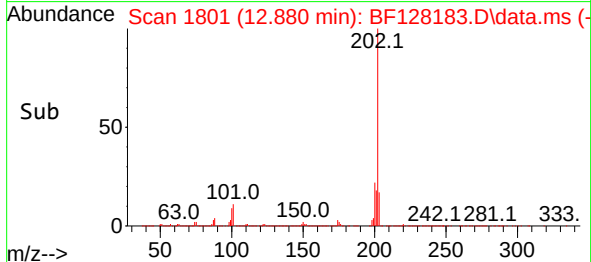
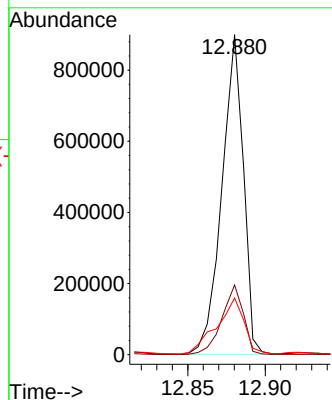
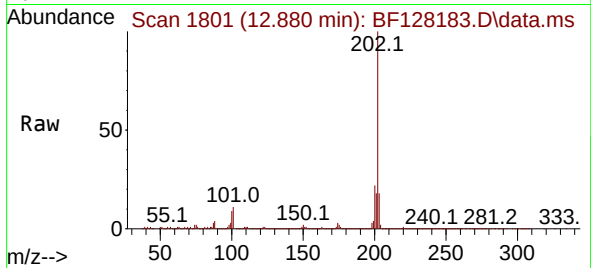




#78
Pyrene
Concen: 85.560 ng
RT: 12.880 min Scan# 1801
Delta R.T. -0.000 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

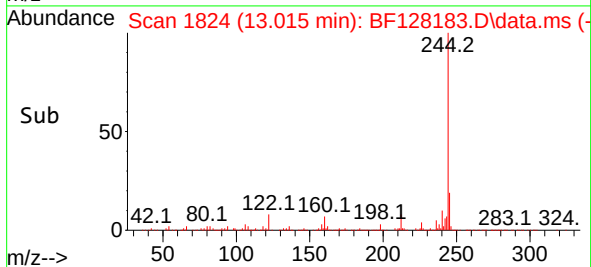
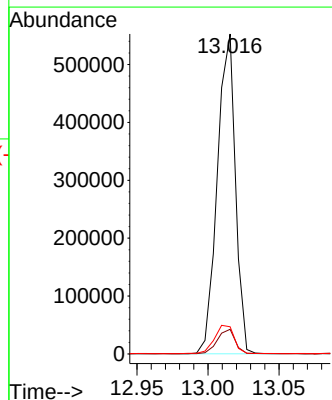
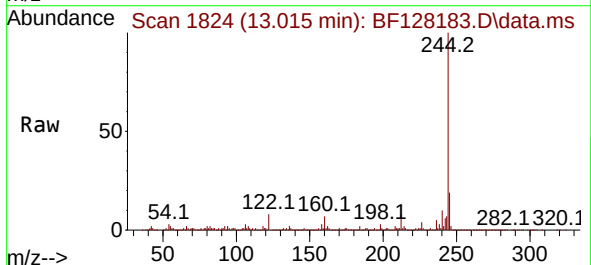
Instrument :
BNA_F
ClientSampleId :
PL-02-050922

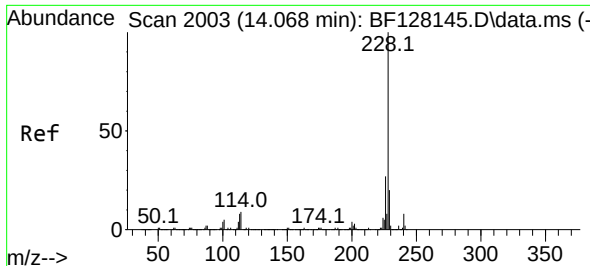
Tgt Ion:202 Resp: 865094
Ion Ratio Lower Upper
202 100
200 21.8 17.4 26.2
203 17.7 14.0 21.0



#79
Terphenyl-d14
Concen: 65.675 ng
RT: 13.015 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

Tgt Ion:244 Resp: 488057
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.4
122 8.5 8.6 12.8#

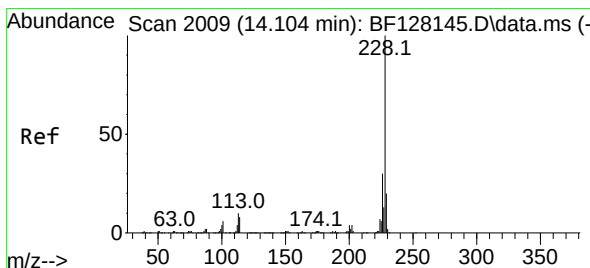
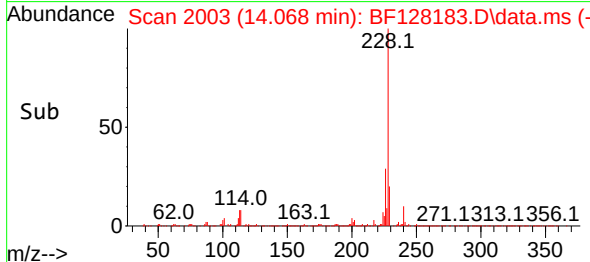
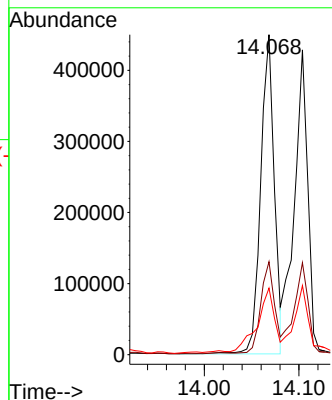
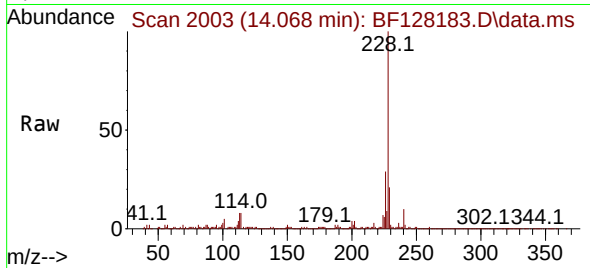




#81
Benzo(a)anthracene
Concen: 50.551 ng
RT: 14.068 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

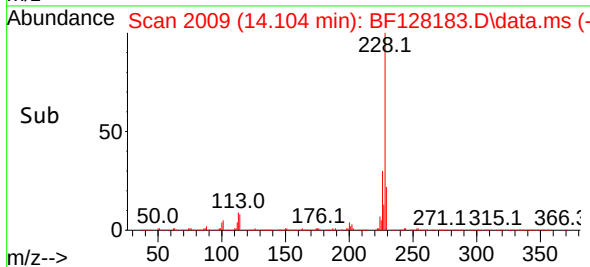
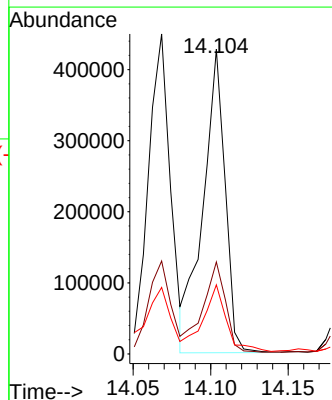
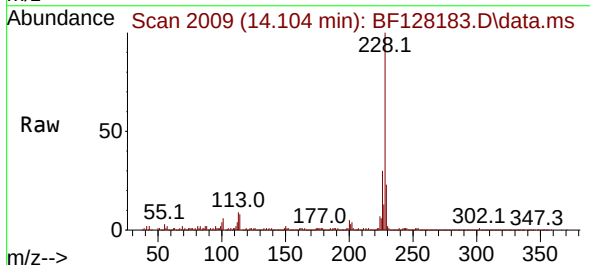
Instrument :
BNA_F
ClientSampleId :
PL-02-050922

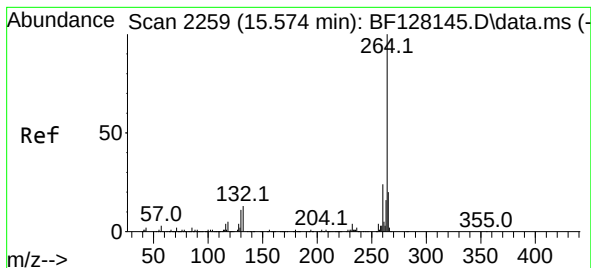
Tgt Ion:228 Resp: 450246
Ion Ratio Lower Upper
228 100
226 29.1 21.7 32.5
229 20.8 15.4 23.2



#83
Chrysene
Concen: 49.884 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

Tgt Ion:228 Resp: 423936
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 22.7 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128183.D

Acq: 11 May 2022 02:12

Instrument :

BNA_F

ClientSampleId :

PL-02-050922

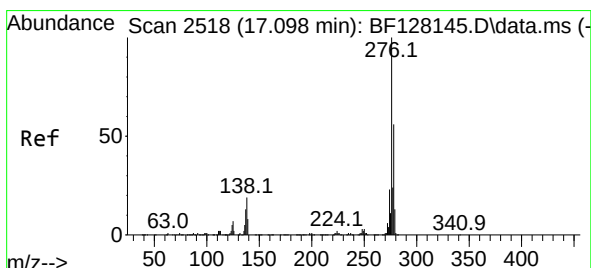
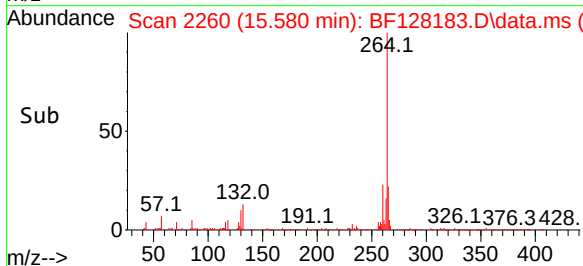
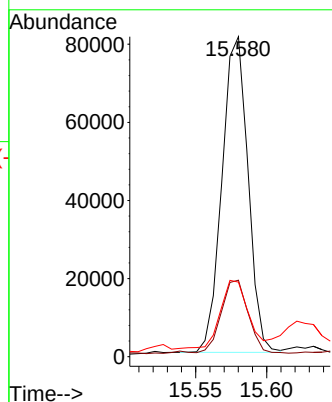
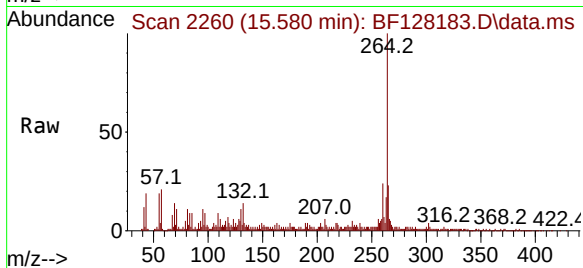
Tgt Ion:264 Resp: 103014

Ion Ratio Lower Upper

264 100

260 23.9 20.1 30.1

265 23.3 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 28.399 ng

RT: 17.103 min Scan# 2519

Delta R.T. 0.006 min

Lab File: BF128183.D

Acq: 11 May 2022 02:12

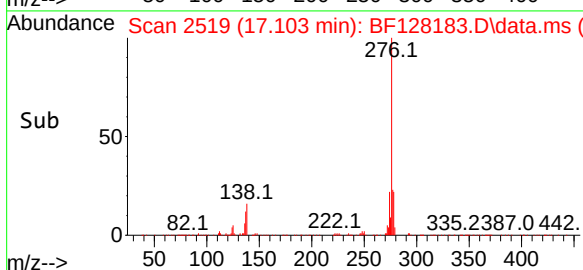
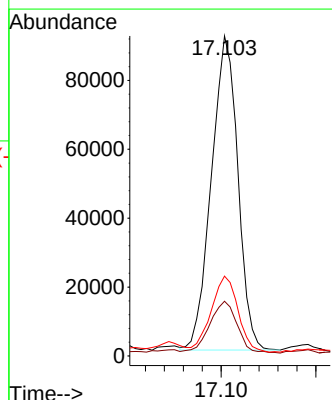
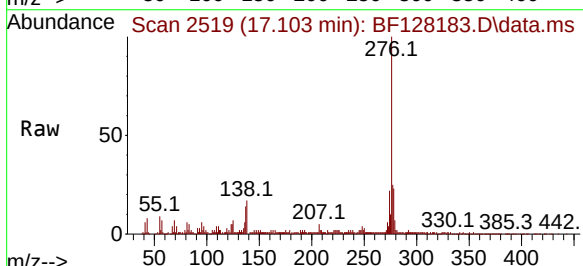
Tgt Ion:276 Resp: 176971

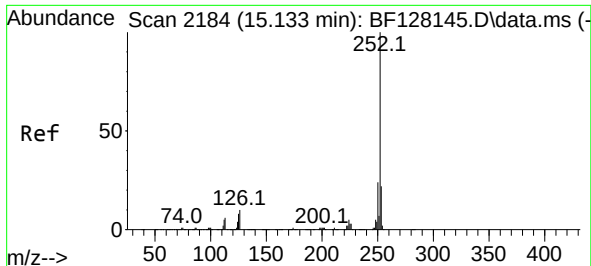
Ion Ratio Lower Upper

276 100

138 17.1 19.0 28.4

277 24.7 20.1 30.1

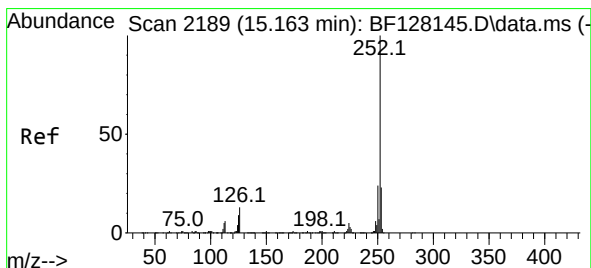
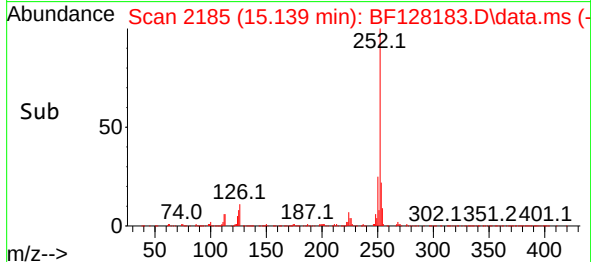
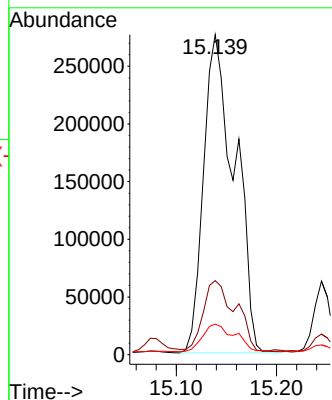
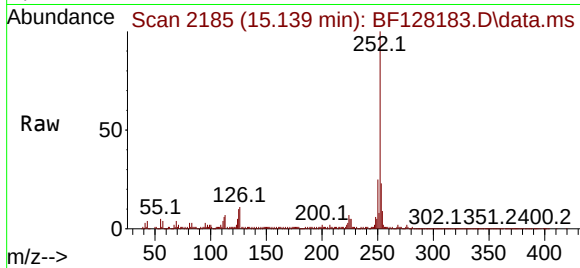




#88
Benzo(b)fluoranthene
Concen: 93.769 ng
RT: 15.139 min Scan# 2184
Delta R.T. 0.006 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

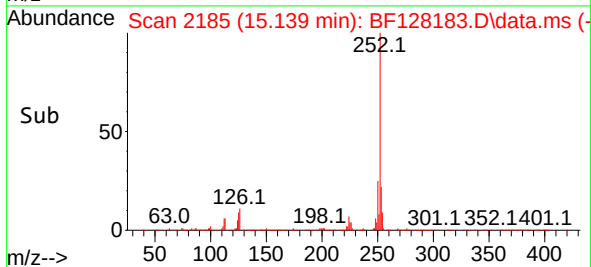
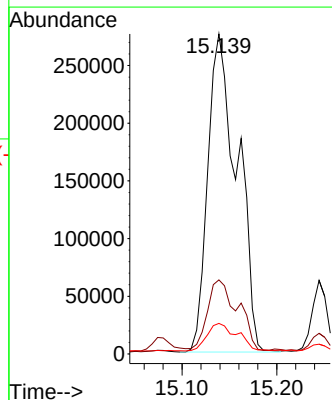
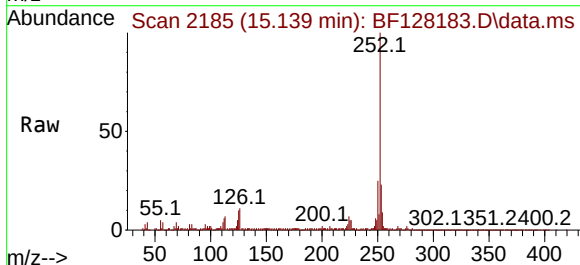
Instrument :
BNA_F
ClientSampleId :
PL-02-050922

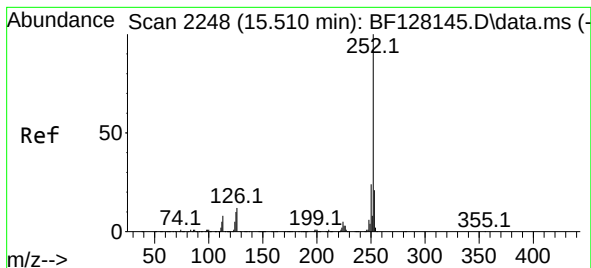
Tgt Ion:252 Resp: 598786
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 9.5 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 94.855 ng
RT: 15.139 min Scan# 2185
Delta R.T. -0.024 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

Tgt Ion:252 Resp: 597926
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.4
125 9.5 6.8 10.2





#90

Benzo(a)pyrene

Concen: 59.464 ng

RT: 15.515 min Scan# 2248

Delta R.T. 0.006 min

Lab File: BF128183.D

Acq: 11 May 2022 02:12

Instrument :

BNA_F

ClientSampleId :

PL-02-050922

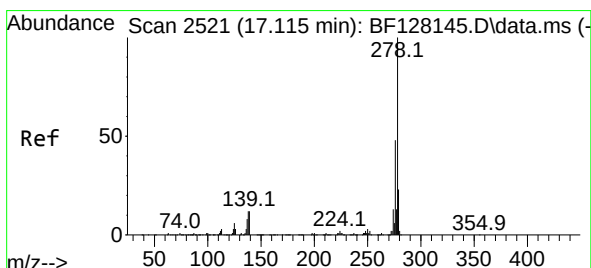
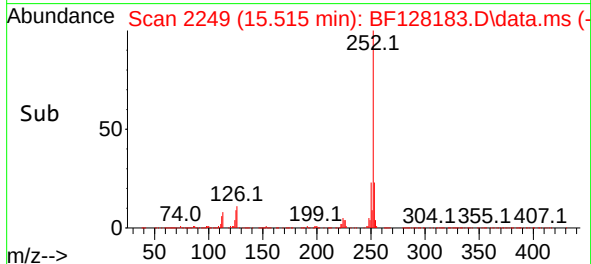
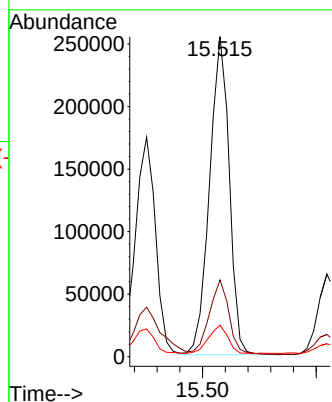
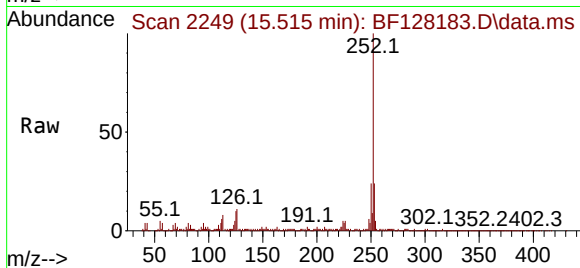
Tgt Ion:252 Resp: 306558

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

125 9.8 9.2 13.8



#91

Dibenzo(a,h)anthracene

Concen: 9.626 ng

RT: 17.115 min Scan# 2521

Delta R.T. -0.000 min

Lab File: BF128183.D

Acq: 11 May 2022 02:12

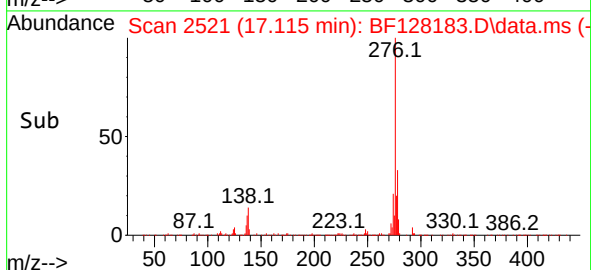
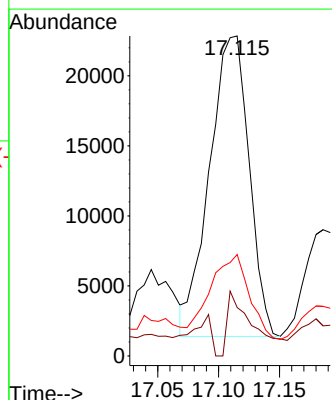
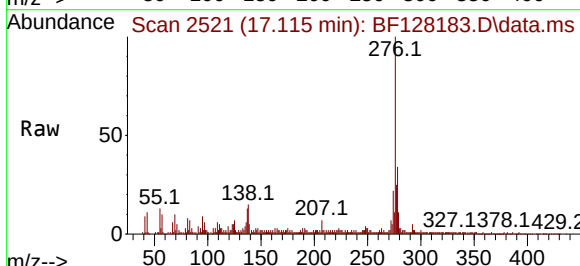
Tgt Ion:278 Resp: 48563

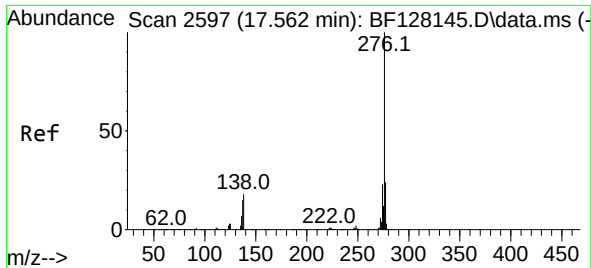
Ion Ratio Lower Upper

278 100

139 15.2 12.6 19.0

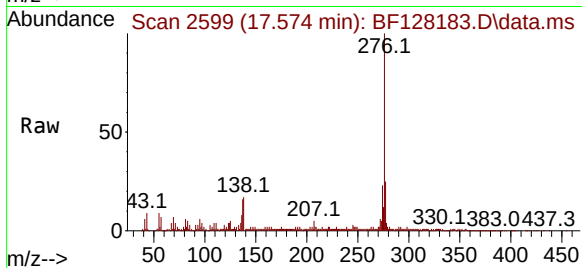
279 31.7 18.9 28.3#





#92
Benzo(g,h,i)perylene
Concen: 34.313 ng
RT: 17.574 min Scan# 2599
Delta R.T. 0.012 min
Lab File: BF128183.D
Acq: 11 May 2022 02:12

Instrument :
BNA_F
ClientSampleId :
PL-02-050922



Tgt Ion: 276 Resp: 175274
Ion Ratio Lower Upper
276 100
277 25.2 18.8 28.2
138 16.8 16.2 24.2

