

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
 Data File : BF128176.D
 Acq On : 10 May 2022 22:53
 Operator : CG\JU
 Sample : N2749-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: May 11 04:02:19 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)

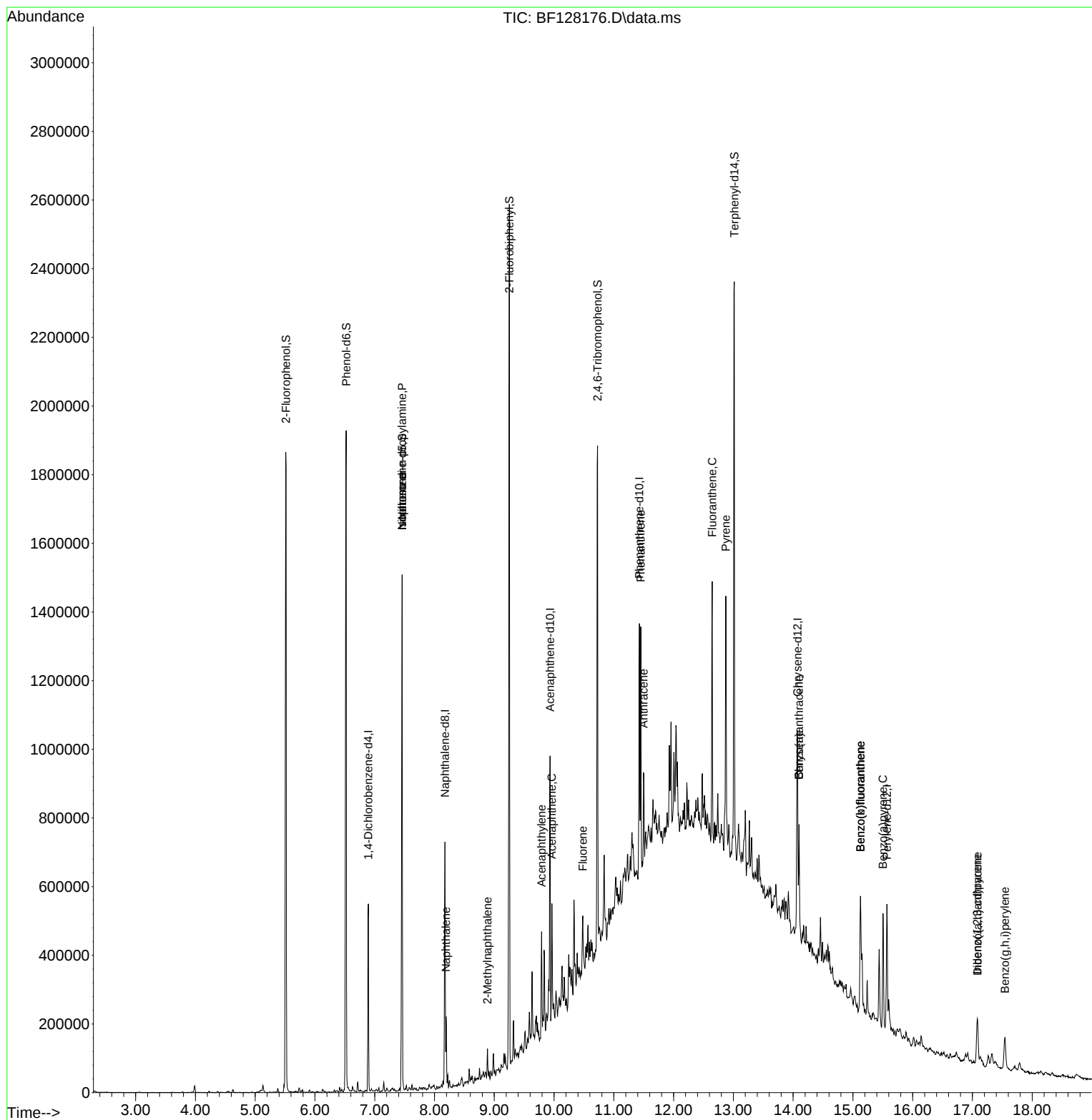
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	75667	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	289045	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	159666	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	253411	20.000	ng	0.00
76) Chrysene-d12	14.074	240	153623	20.000	ng	0.00
86) Perylene-d12	15.568	264	166734	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	509614	107.364	ng	0.00
7) Phenol-d6	6.522	99	674643	107.460	ng	0.00
23) Nitrobenzene-d5	7.457	82	476130	74.121	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	182064	99.425	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	744826	72.991	ng	0.00
79) Terphenyl-d14	13.016	244	620124	75.745	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.446	77	1332	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	7.457	70	66420	17.180	ng	# 78
25) Isophorone	7.457	82	475158	47.181	ng	# 68
31) Naphthalene	8.192	128	81316	5.696	ng	99
37) 2-Methylnaphthalene	8.887	142	19723	2.049	ng	100
49) Acenaphthylene	9.792	152	42495	3.261	ng	# 93
52) Acenaphthene	9.963	154	55436	6.136	ng	98
58) Fluorene	10.481	166	38675	3.871	ng	# 99
71) Phenanthrene	11.451	178	244017	19.338	ng	99
72) Anthracene	11.498	178	105714	8.391	ng	96
75) Fluoranthene	12.645	202	276384	20.203	ng	96
78) Pyrene	12.875	202	294435	26.433	ng	99
81) Benzo(a)anthracene	14.098	228	133148	13.569	ng	93
83) Chrysene	14.098	228	133148	14.221	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	89941	8.917	ng	# 94
88) Benzo(b)fluoranthene	15.127	252	263133	25.458	ng	98
89) Benzo(k)fluoranthene	15.127	252	263133	25.791	ng	96
90) Benzo(a)pyrene	15.504	252	153246	18.365	ng	97
91) Dibenzo(a,h)anthracene	17.086	278	24900	3.049	ng	# 87
92) Benzo(g,h,i)perylene	17.545	276	81932	9.910	ng	97

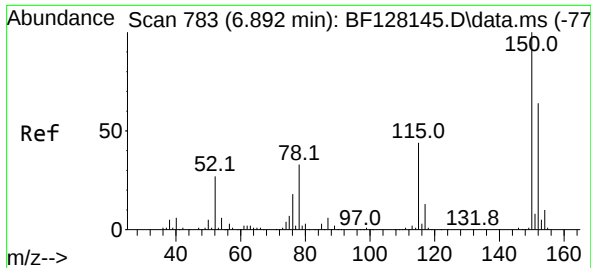
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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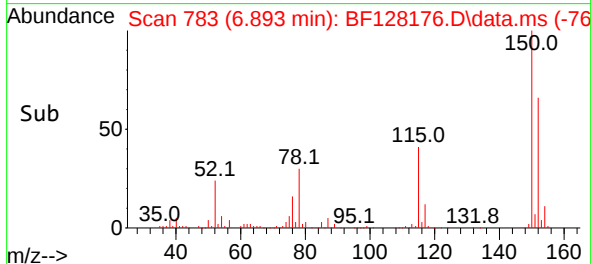
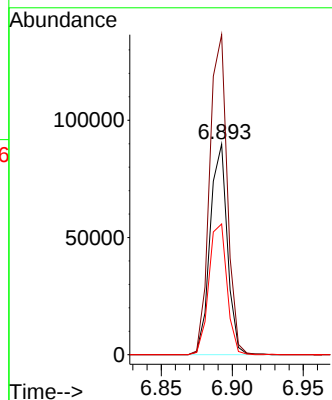
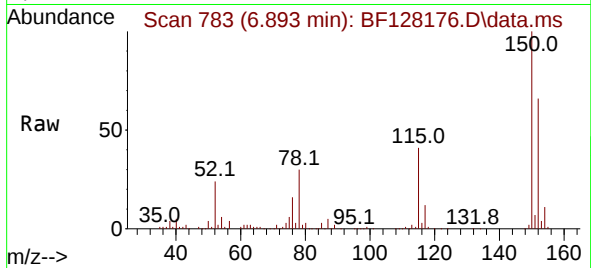




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 71
 Delta R.T. 0.001 min
 Lab File: BF128176.D
 Acq: 10 May 2022 22:53

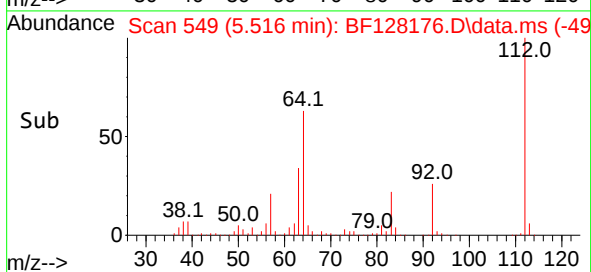
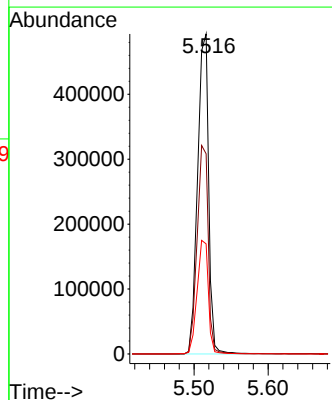
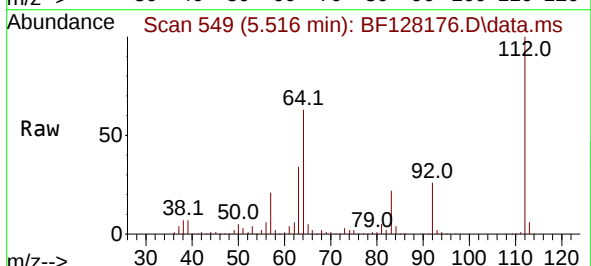
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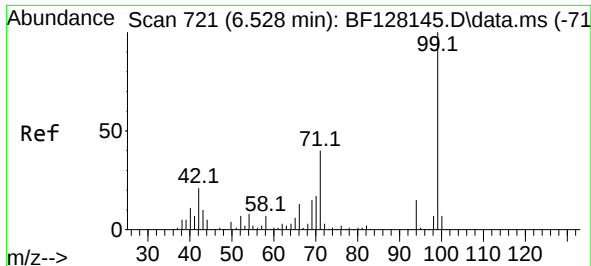
Tgt Ion:152 Resp: 75667
 Ion Ratio Lower Upper
 152 100
 150 152.0 125.3 187.9
 115 62.1 48.8 73.2



#5
 2-Fluorophenol
 Concen: 107.364 ng
 RT: 5.516 min Scan# 549
 Delta R.T. 0.000 min
 Lab File: BF128176.D
 Acq: 10 May 2022 22:53

Tgt Ion:112 Resp: 509614
 Ion Ratio Lower Upper
 112 100
 64 62.6 49.5 74.3
 63 34.4 26.3 39.5

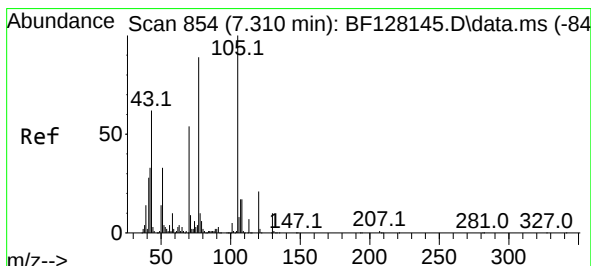
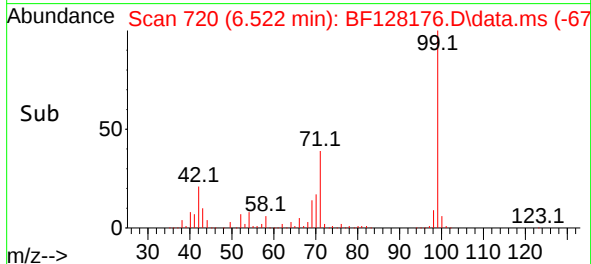
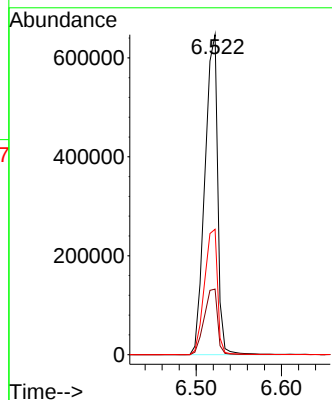
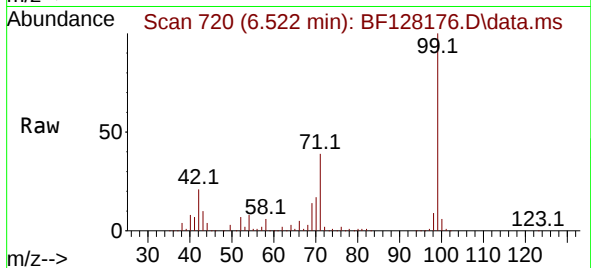




#7
Phenol-d6
Concen: 107.460 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

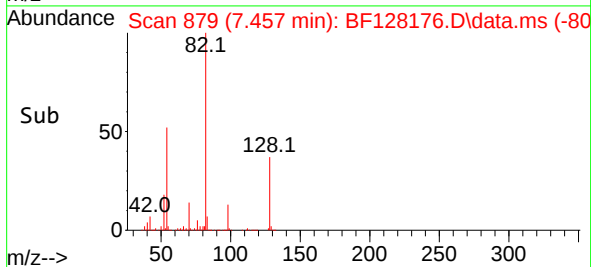
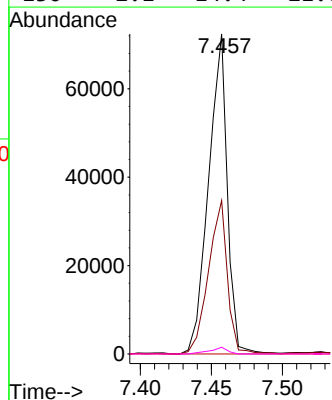
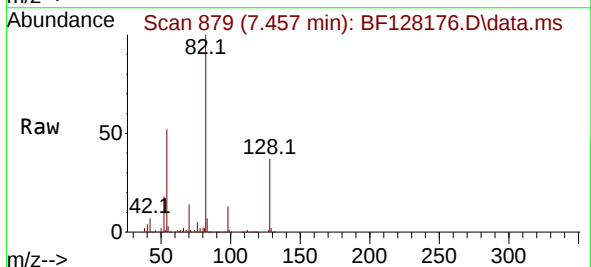
Instrument :
BNA_F
ClientSampleId :
TP-1

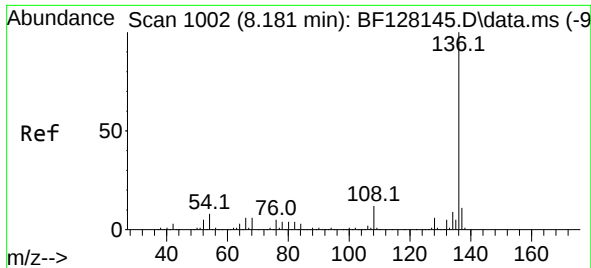
Tgt Ion: 99 Resp: 674643
Ion Ratio Lower Upper
99 100
42 20.5 16.6 24.8
71 39.2 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 17.180 ng
RT: 7.457 min Scan# 879
Delta R.T. 0.147 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Tgt Ion: 70 Resp: 66420
Ion Ratio Lower Upper
70 100
42 47.9 48.7 73.1#
101 0.0 7.2 10.8#
130 2.1 14.4 21.6#

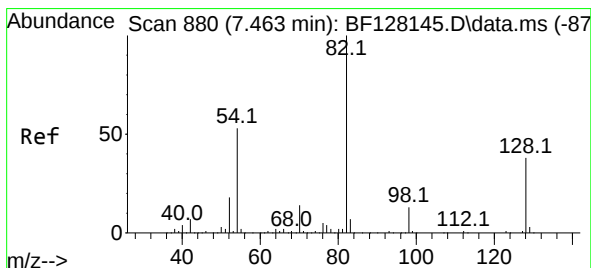
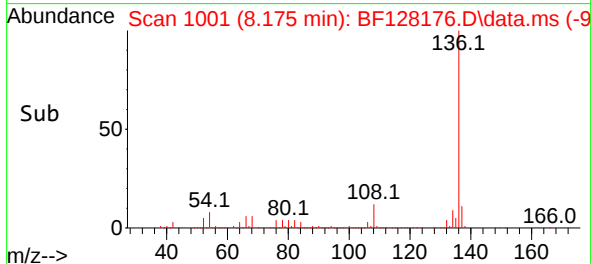
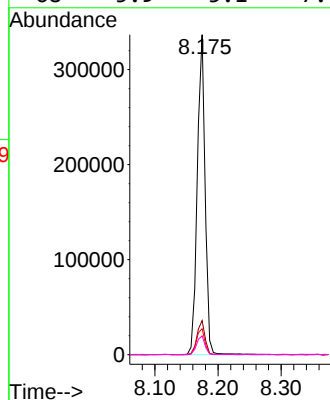
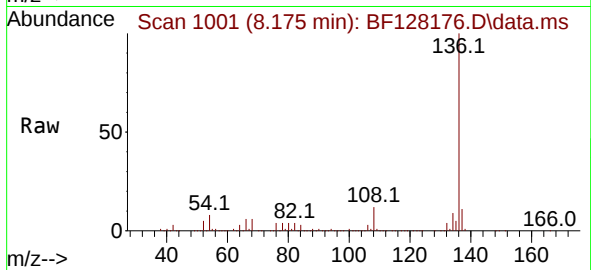




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

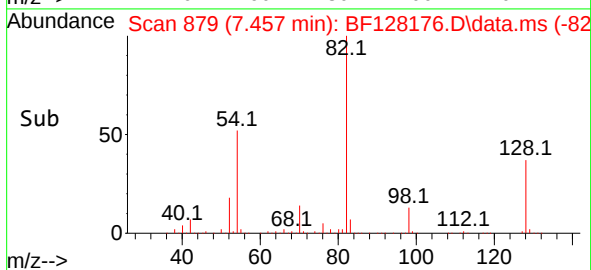
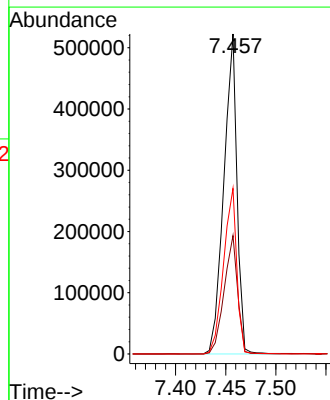
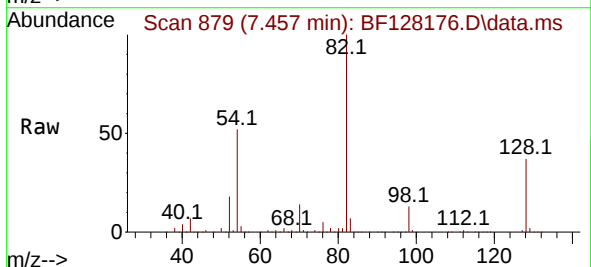
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:	136	Resp:	289045
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.1	6.8	10.2
68	5.9	5.1	7.7



#23
Nitrobenzene-d5
Concen: 74.121 ng
RT: 7.457 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Tgt Ion:	82	Resp:	476130
Ion	Ratio	Lower	Upper
82	100		
128	37.0	30.0	45.0
54	51.8	41.3	61.9

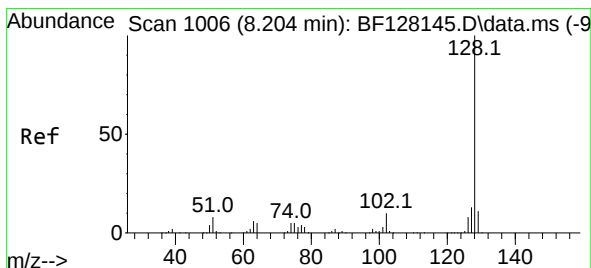
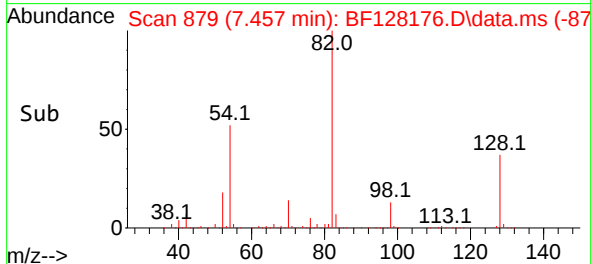
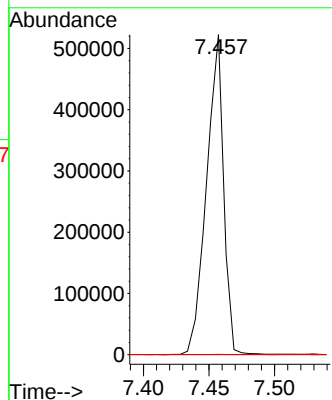
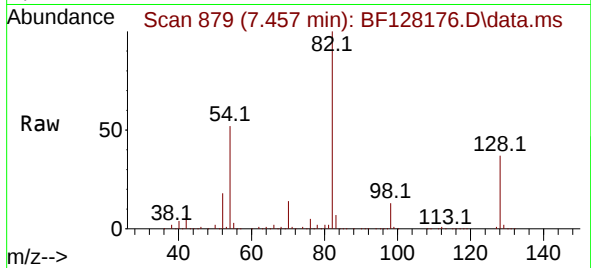




#25
Isophorone
Concen: 47.181 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

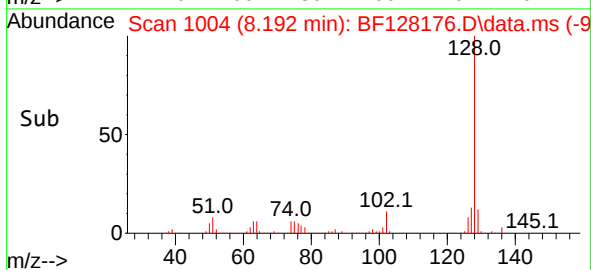
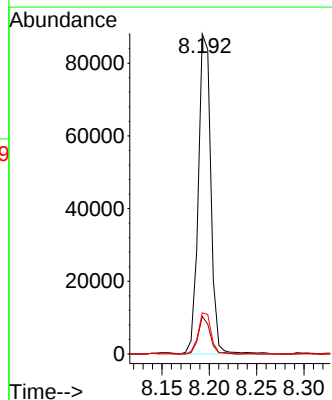
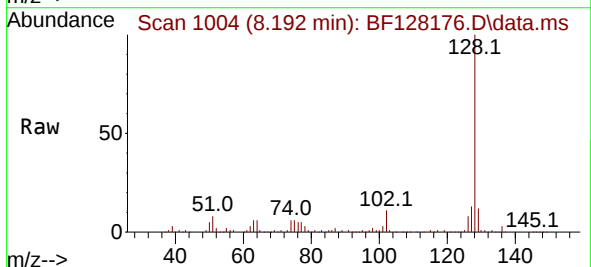
Instrument :
BNA_F
ClientSampleId :
TP-1

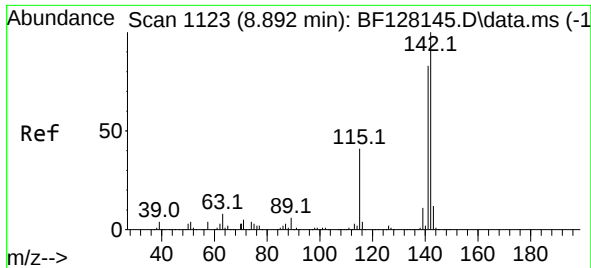
Tgt Ion: 82 Resp: 475158
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 12.5 18.7#



#31
Naphthalene
Concen: 5.696 ng
RT: 8.192 min Scan# 1004
Delta R.T. -0.012 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Tgt Ion: 128 Resp: 81316
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.4
127 12.9 10.6 16.0

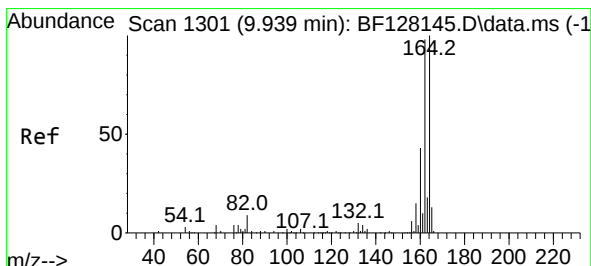
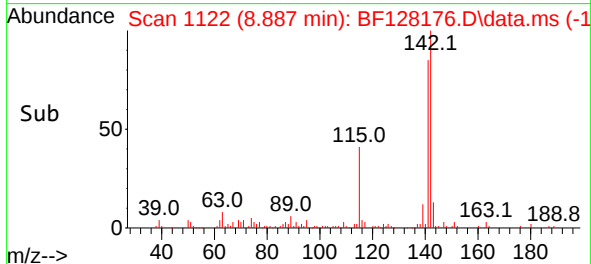
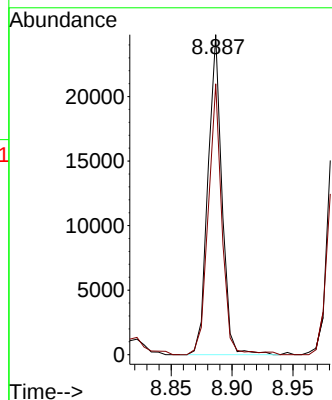
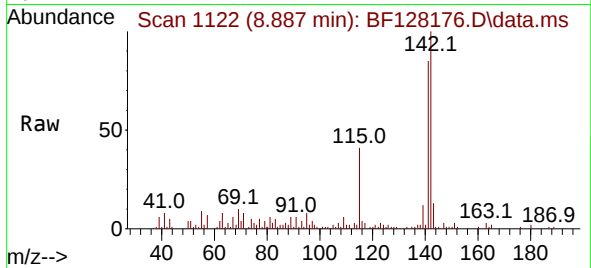




#37
2-Methylnaphthalene
Concen: 2.049 ng
RT: 8.887 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

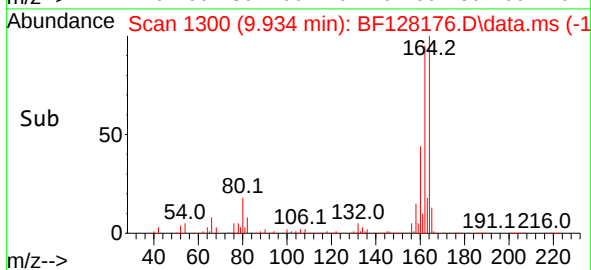
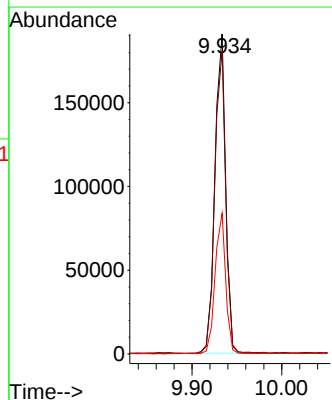
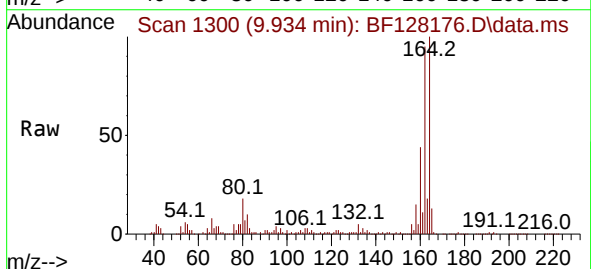
Instrument :
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ClientSampleId :
TP-1

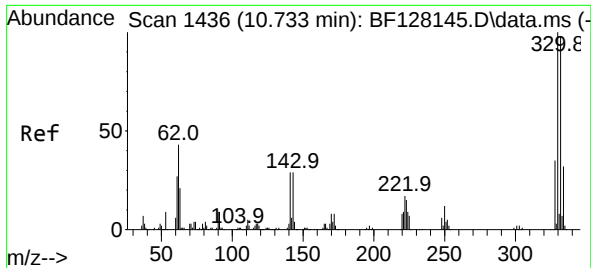
Tgt Ion:142 Resp: 19723
Ion Ratio Lower Upper
142 100
141 84.6 67.4 101.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1300
Delta R.T. -0.005 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Tgt Ion:164 Resp: 159666
Ion Ratio Lower Upper
164 100
162 94.8 76.0 114.0
160 43.9 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 99.425 ng

RT: 10.728 min Scan# 1435

Delta R.T. -0.006 min

Lab File: BF128176.D

Acq: 10 May 2022 22:53

Instrument :

BNA_F

ClientSampleId :

TP-1

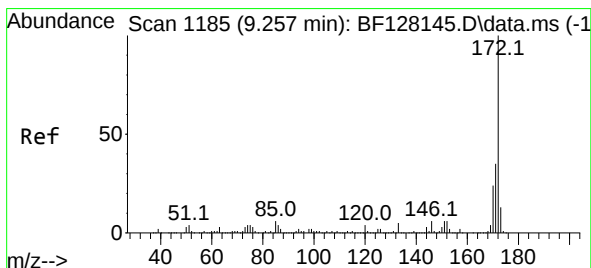
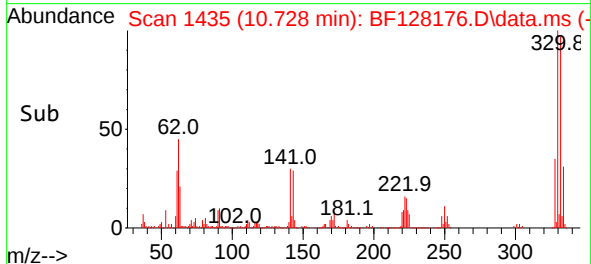
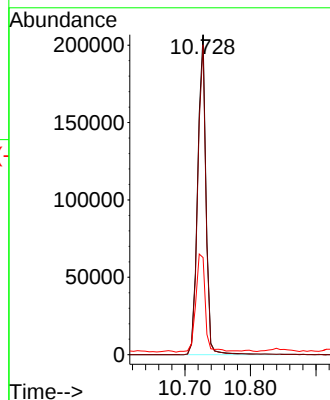
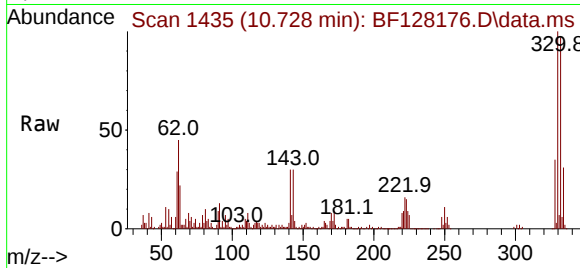
Tgt Ion:330 Resp: 182064

Ion Ratio Lower Upper

330 100

332 95.9 79.0 118.4

141 35.1 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 72.991 ng

RT: 9.251 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF128176.D

Acq: 10 May 2022 22:53

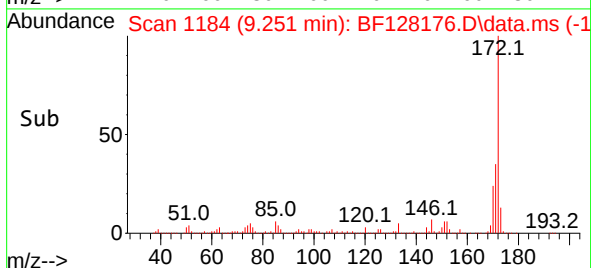
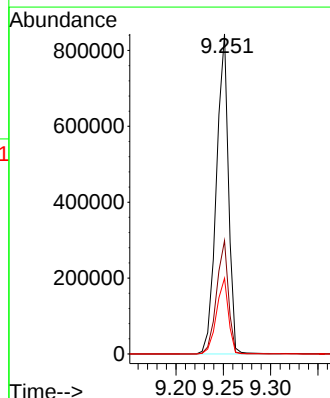
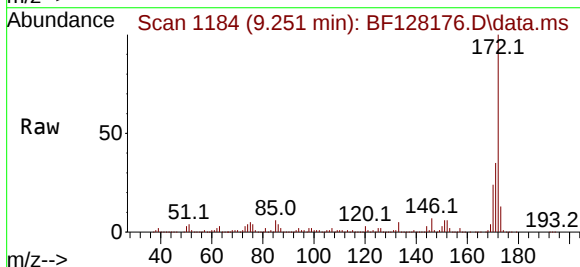
Tgt Ion:172 Resp: 744826

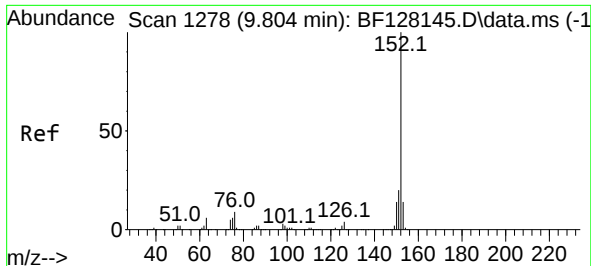
Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.6 19.1 28.7

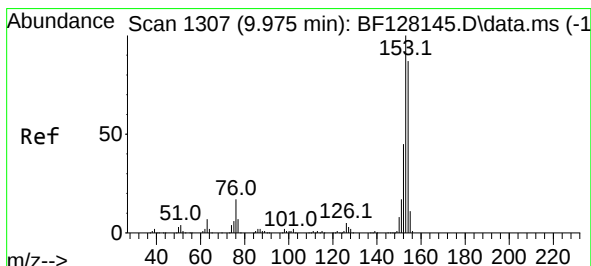
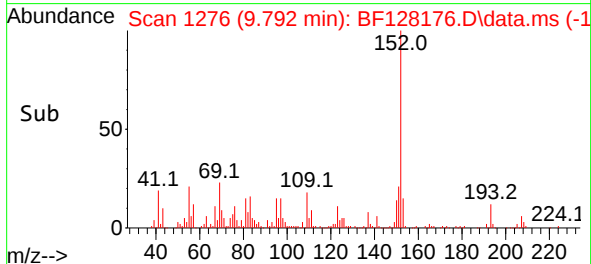
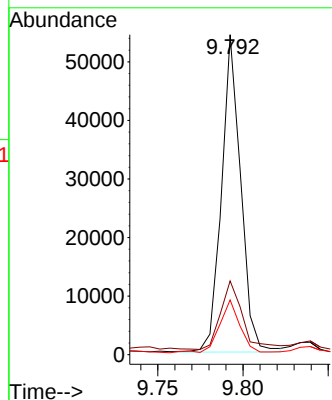
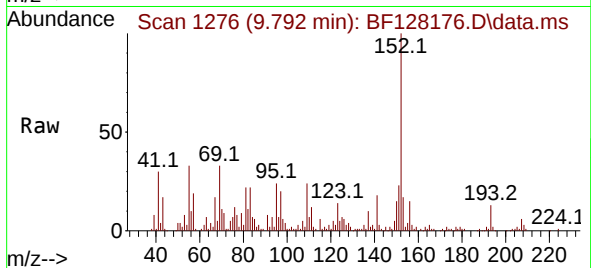




#49
Acenaphthylene
Concen: 3.261 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

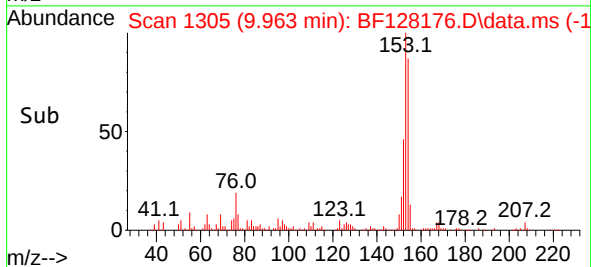
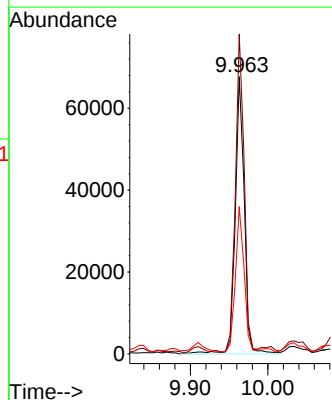
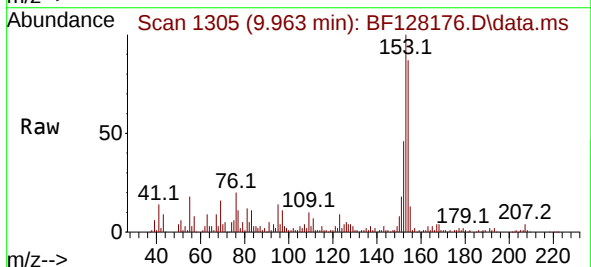
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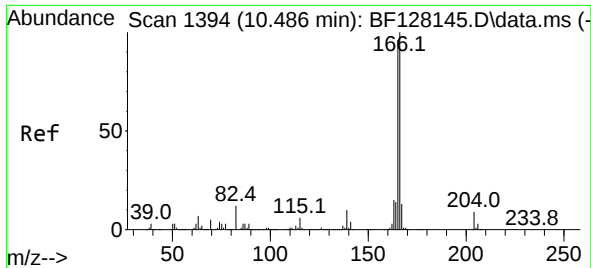
Tgt Ion:152 Resp: 42495
Ion Ratio Lower Upper
152 100
151 23.1 16.2 24.2
153 17.1 11.2 16.8#



#52
Acenaphthene
Concen: 6.136 ng
RT: 9.963 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Tgt Ion:154 Resp: 55436
Ion Ratio Lower Upper
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153 115.4 90.5 135.7
152 53.2 41.0 61.6

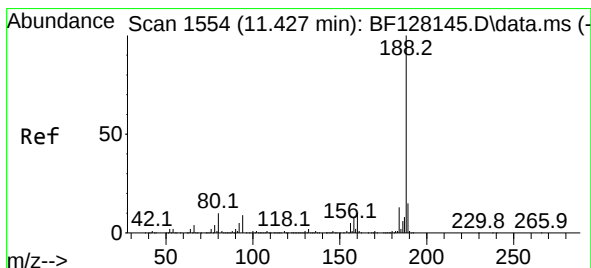
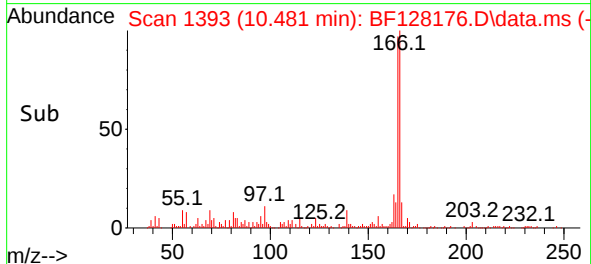
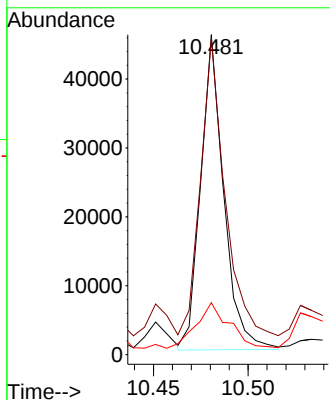
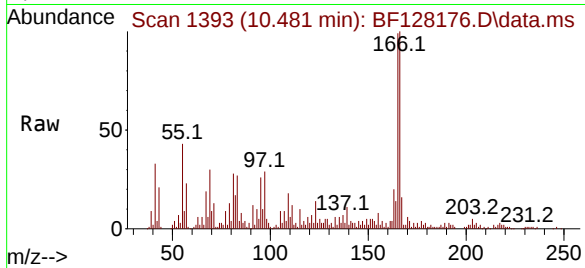




#58
Fluorene
Concen: 3.871 ng
RT: 10.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

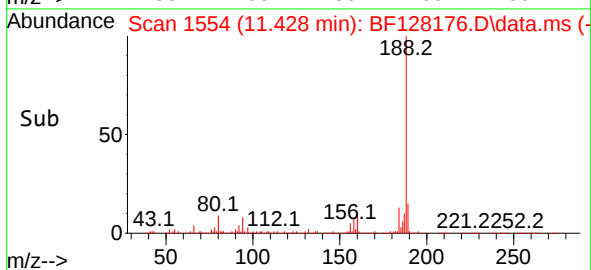
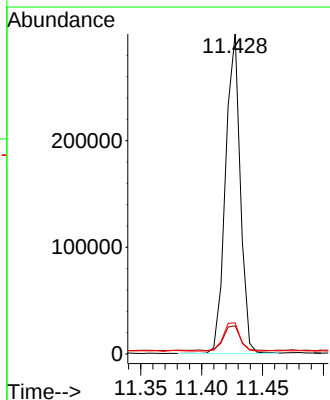
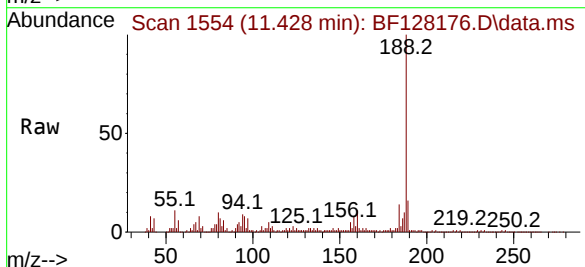
Instrument :
BNA_F
ClientSampleId :
TP-1

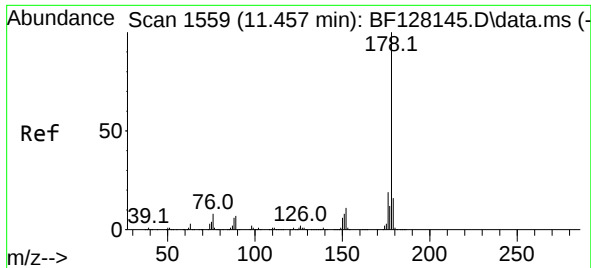
Tgt Ion:166 Resp: 38675
Ion Ratio Lower Upper
166 100
165 98.8 78.6 117.8
167 16.3 10.5 15.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Tgt Ion:188 Resp: 253411
Ion Ratio Lower Upper
188 100
94 8.8 8.0 12.0
80 9.8 8.9 13.3

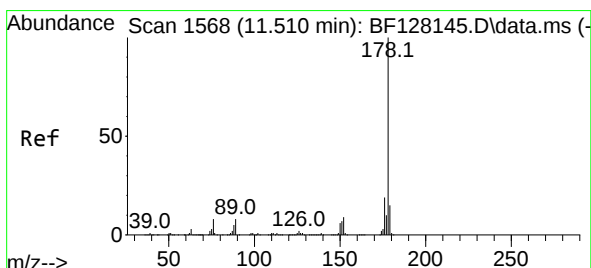
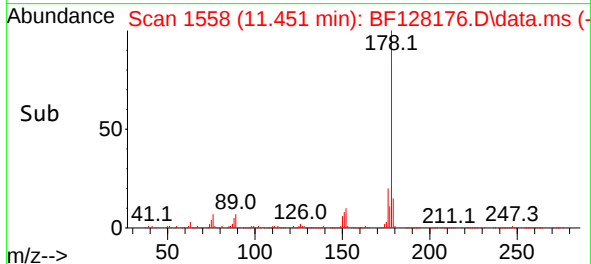
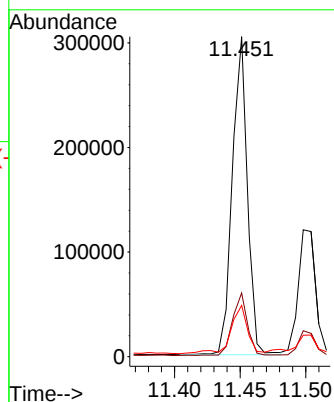
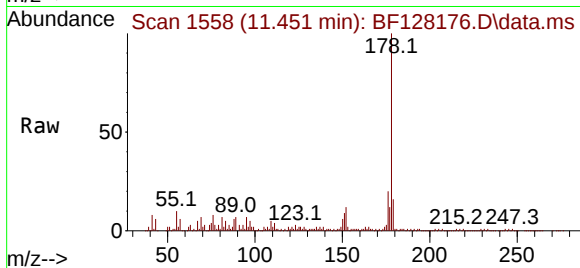




#71
Phenanthrene
Concen: 19.338 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

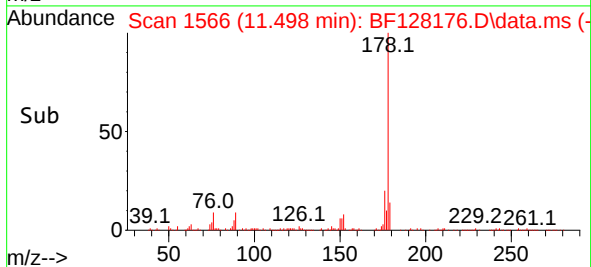
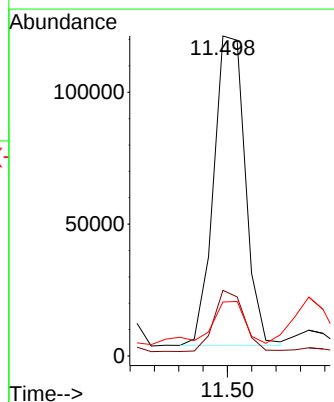
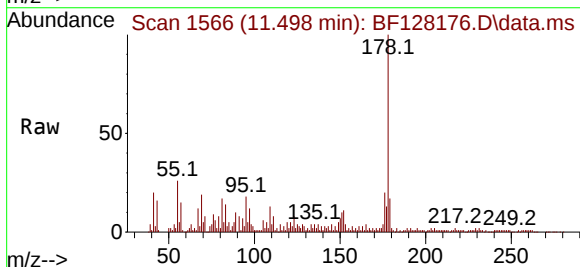
Instrument :
BNA_F
ClientSampleId :
TP-1

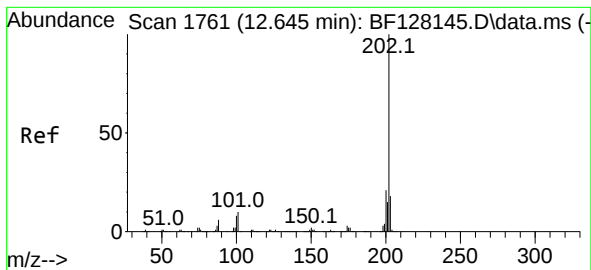
Tgt Ion:178 Resp: 244017
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 16.0 12.6 19.0



#72
Anthracene
Concen: 8.391 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Tgt Ion:178 Resp: 105714
Ion Ratio Lower Upper
178 100
176 20.5 15.0 22.6
179 16.9 12.4 18.6





#75

Fluoranthene

Concen: 20.203 ng

RT: 12.645 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF128176.D

Acq: 10 May 2022 22:53

Instrument :

BNA_F

ClientSampleId :

TP-1

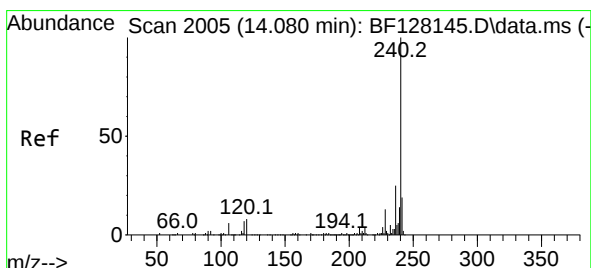
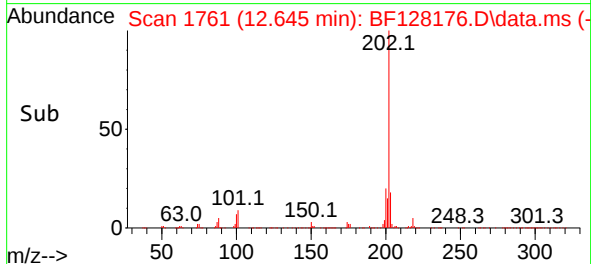
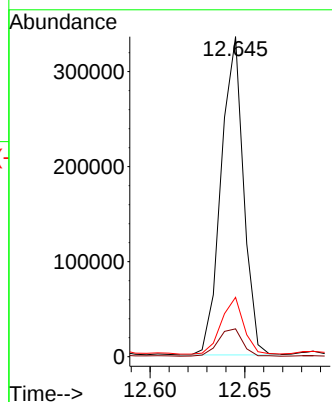
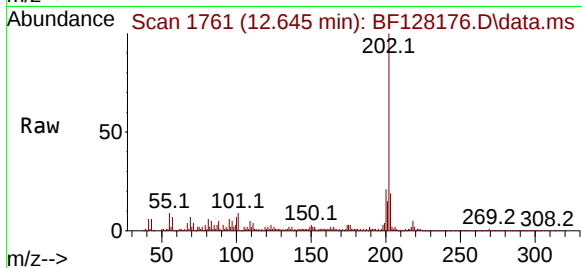
Tgt Ion:202 Resp: 276384

Ion Ratio Lower Upper

202 100

101 8.7 0.0 31.6

203 18.6 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BF128176.D

Acq: 10 May 2022 22:53

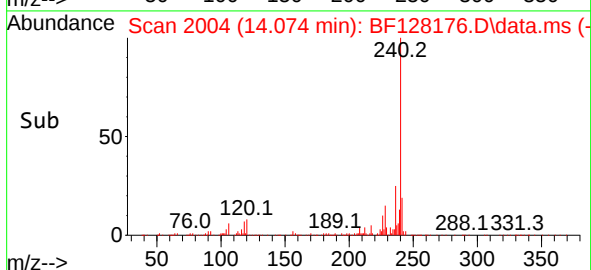
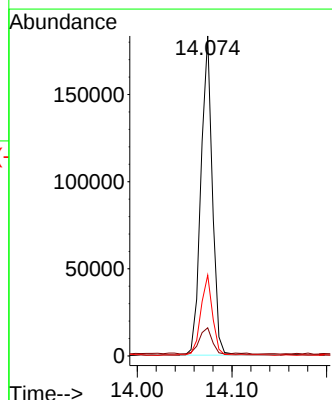
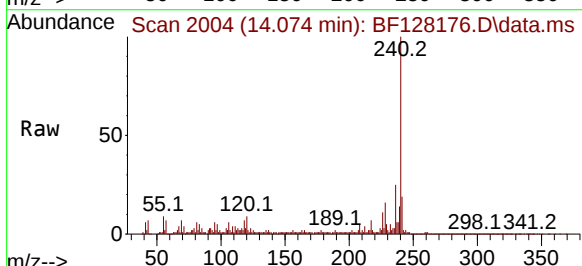
Tgt Ion:240 Resp: 153623

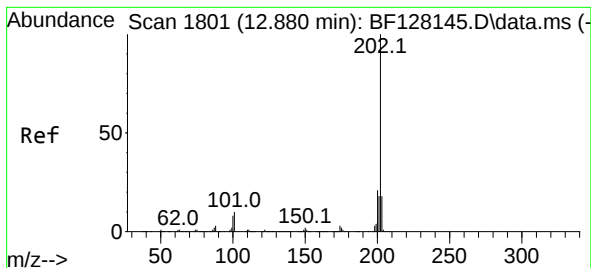
Ion Ratio Lower Upper

240 100

120 8.8 7.0 10.6

236 25.3 20.3 30.5





#78

Pyrene

Concen: 26.433 ng

RT: 12.875 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF128176.D

Acq: 10 May 2022 22:53

Instrument :

BNA_F

ClientSampleId :

TP-1

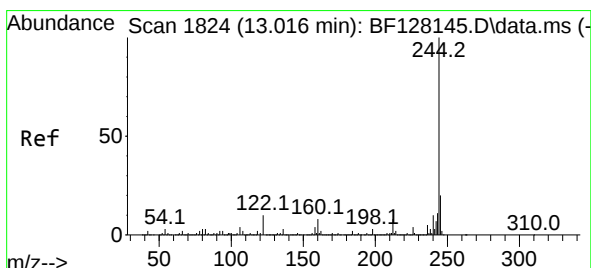
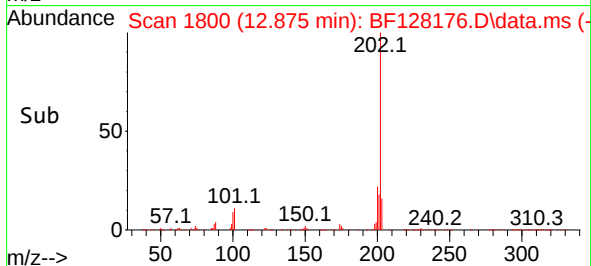
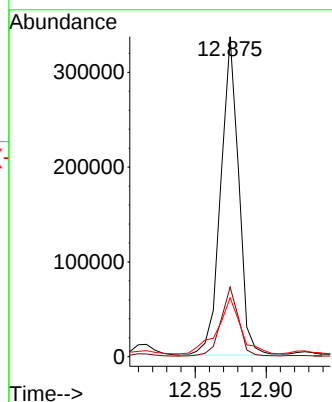
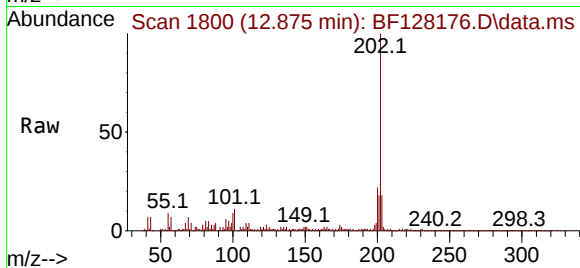
Tgt Ion:202 Resp: 294435

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

203 18.4 14.0 21.0



#79

Terphenyl-d14

Concen: 75.745 ng

RT: 13.016 min Scan# 1824

Delta R.T. 0.000 min

Lab File: BF128176.D

Acq: 10 May 2022 22:53

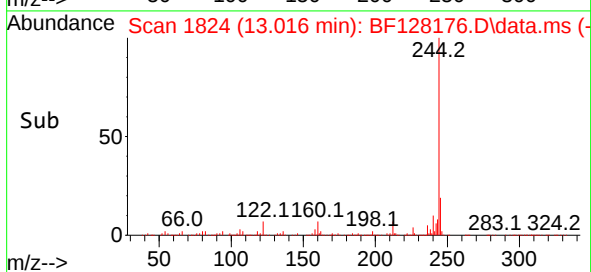
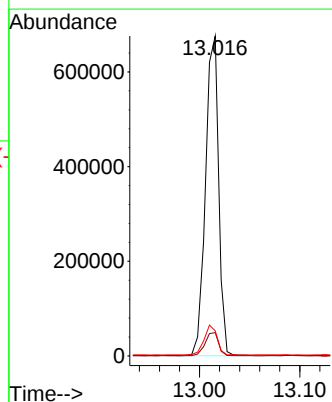
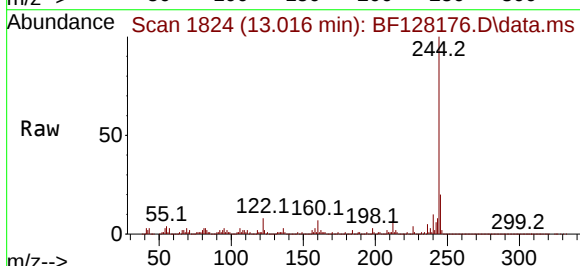
Tgt Ion:244 Resp: 620124

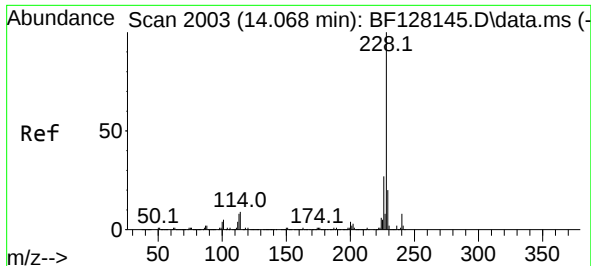
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.4

122 7.8 8.6 12.8#

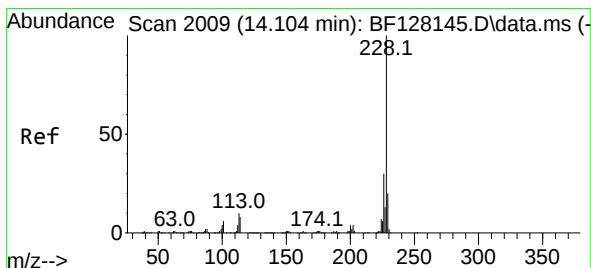
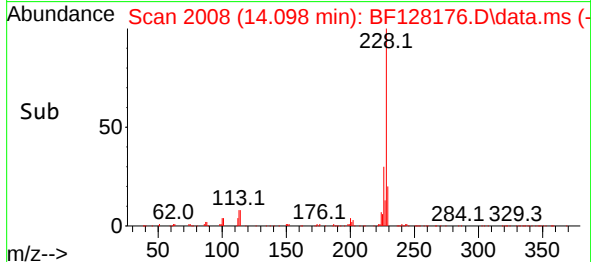
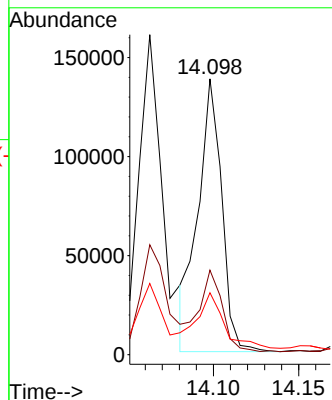
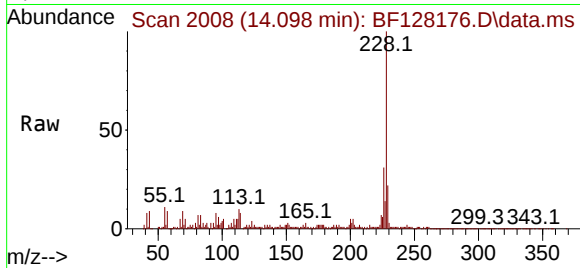




#81
Benzo(a)anthracene
Concen: 13.569 ng
RT: 14.098 min Scan# 2008
Delta R.T. 0.030 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

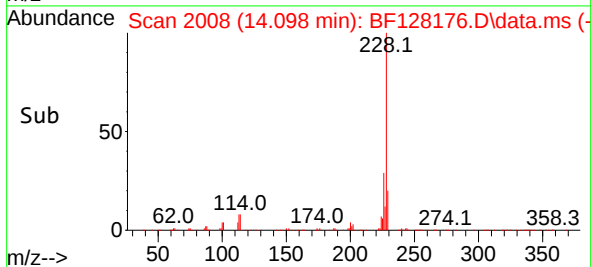
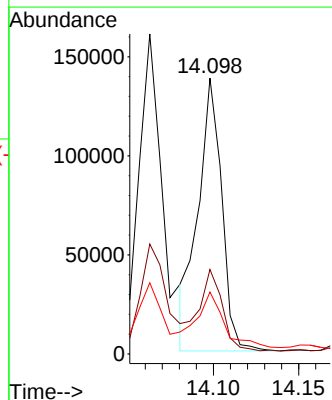
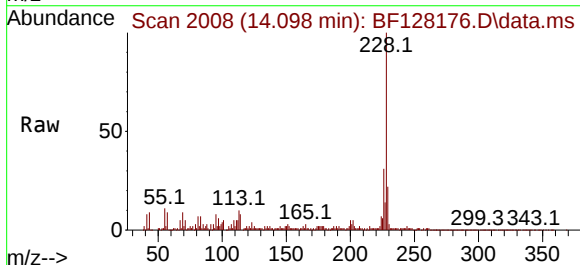
Instrument :
BNA_F
ClientSampleId :
TP-1

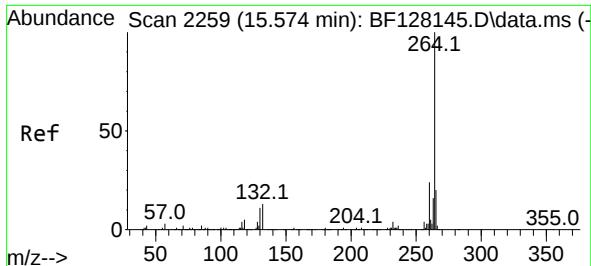
Tgt Ion:228 Resp: 133148
Ion Ratio Lower Upper
228 100
226 30.6 21.7 32.5
229 22.5 15.4 23.2



#83
Chrysene
Concen: 14.221 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Tgt Ion:228 Resp: 133148
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.5 15.8 23.8

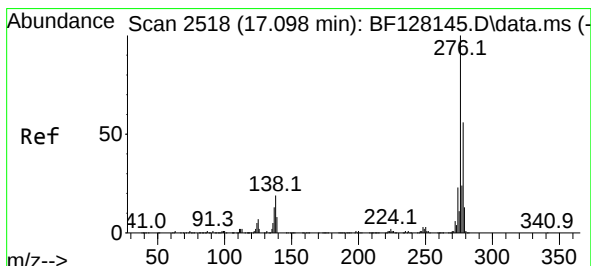
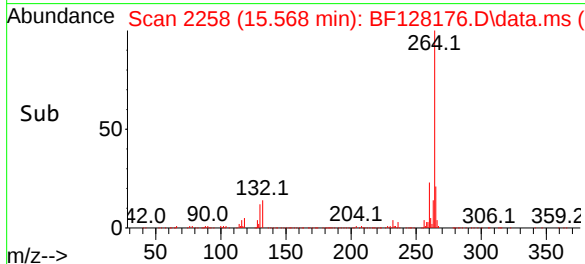
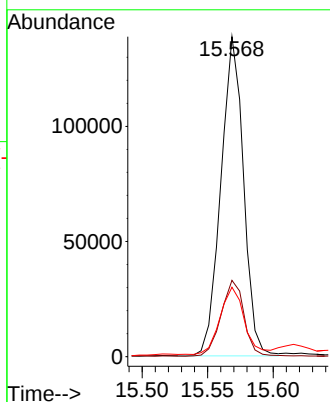
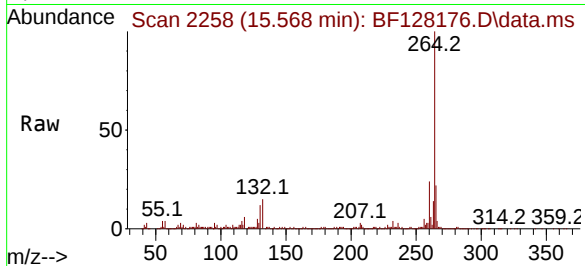




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

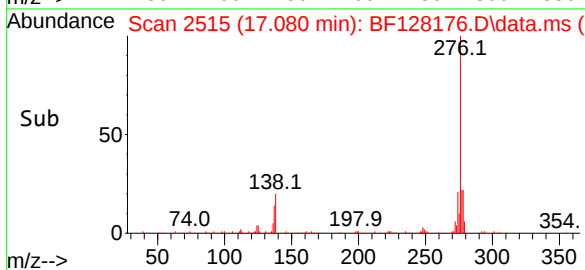
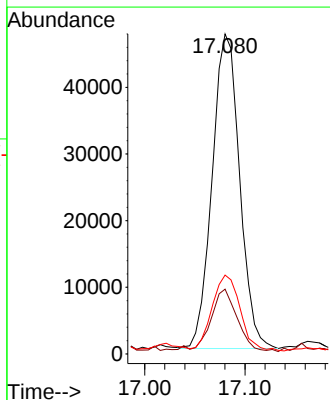
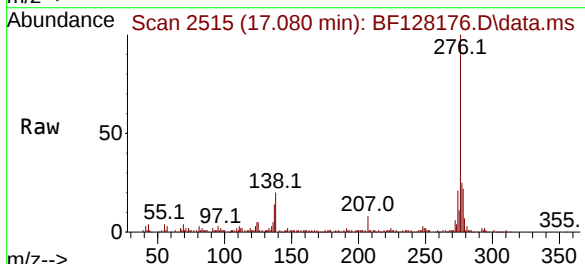
Instrument :
BNA_F
ClientSampleId :
TP-1

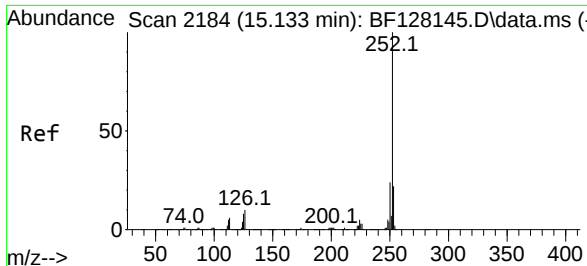
Tgt Ion:264 Resp: 166734
Ion Ratio Lower Upper
264 100
260 23.8 20.1 30.1
265 21.7 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.917 ng
RT: 17.080 min Scan# 2515
Delta R.T. -0.018 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Tgt Ion:276 Resp: 89941
Ion Ratio Lower Upper
276 100
138 18.5 19.0 28.4#
277 24.6 20.1 30.1

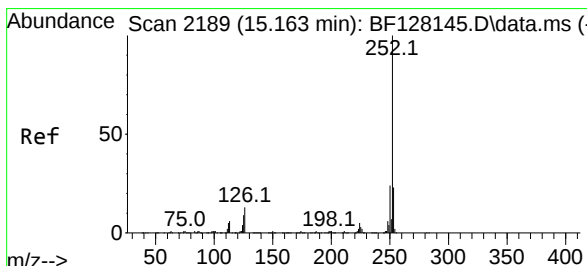
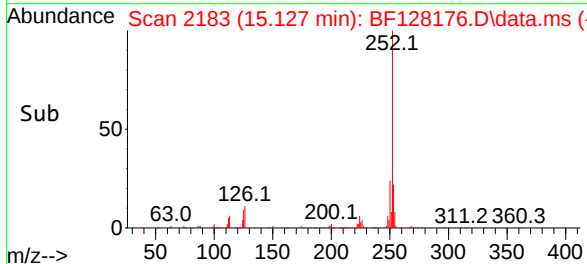
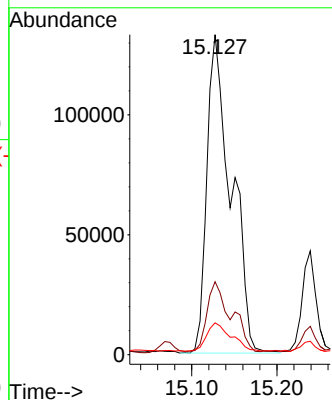
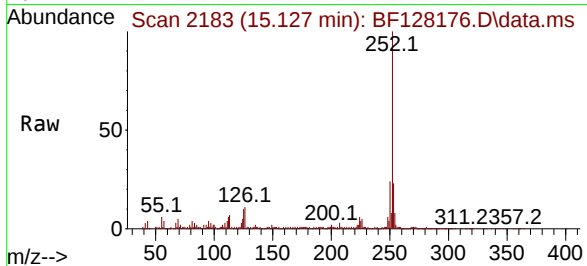




#88
Benzo(b)fluoranthene
Concen: 25.458 ng
RT: 15.127 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

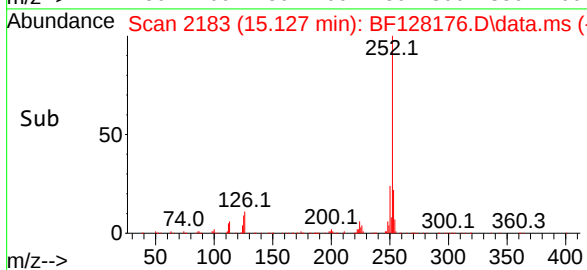
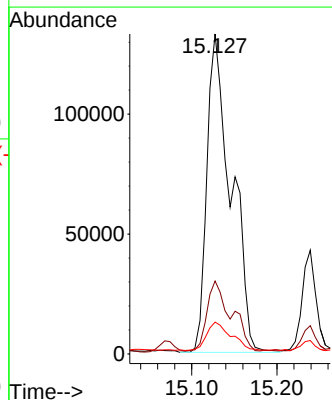
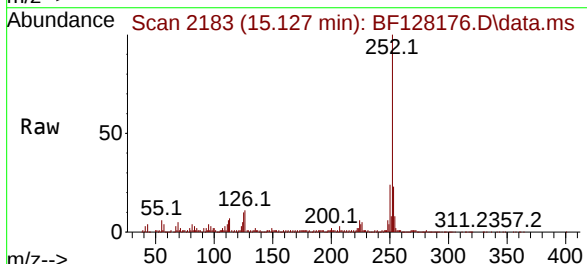
Instrument :
BNA_F
ClientSampleId :
TP-1

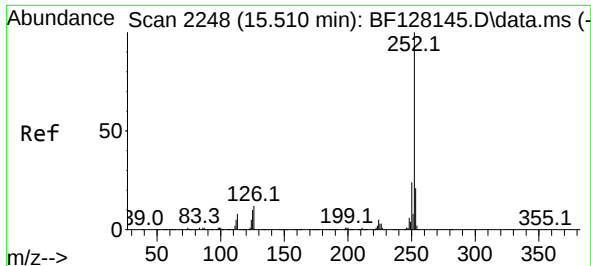
Tgt Ion:252 Resp: 263133
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 9.9 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 25.791 ng
RT: 15.127 min Scan# 2183
Delta R.T. -0.035 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Tgt Ion:252 Resp: 263133
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 9.9 6.8 10.2

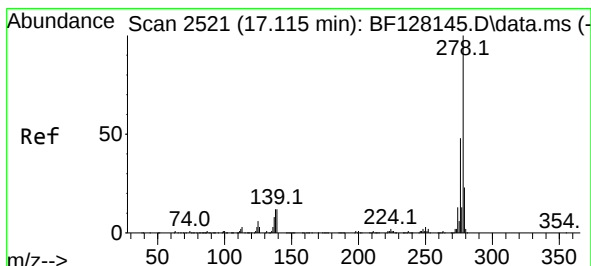
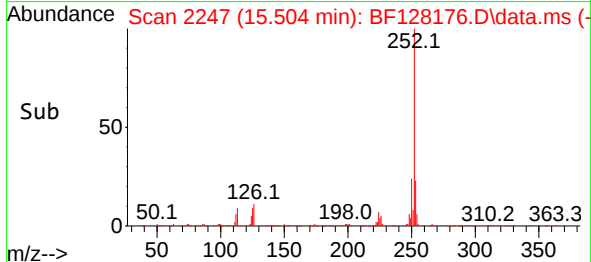
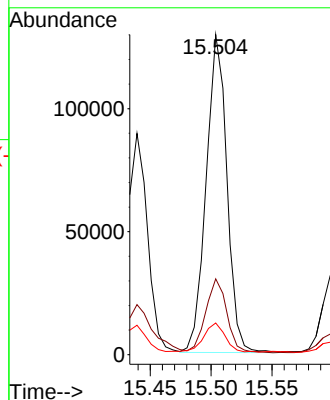
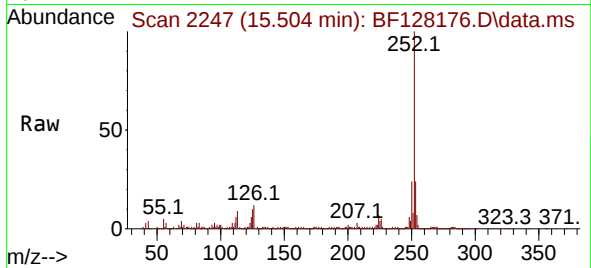




#90
Benzo(a)pyrene
Concen: 18.365 ng
RT: 15.504 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

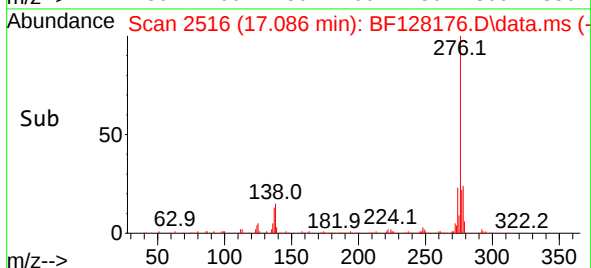
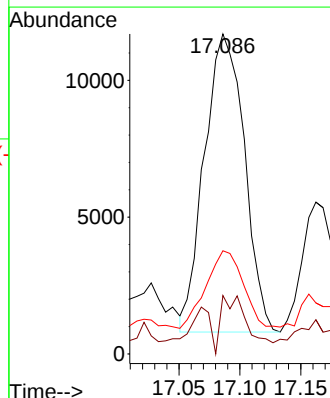
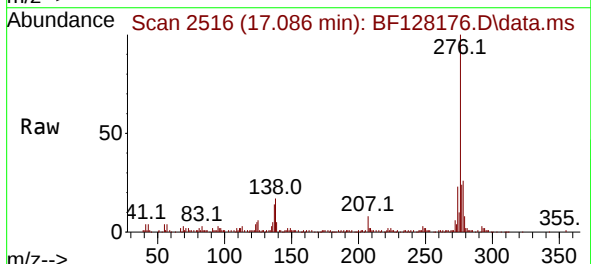
Instrument :
BNA_F
ClientSampleId :
TP-1

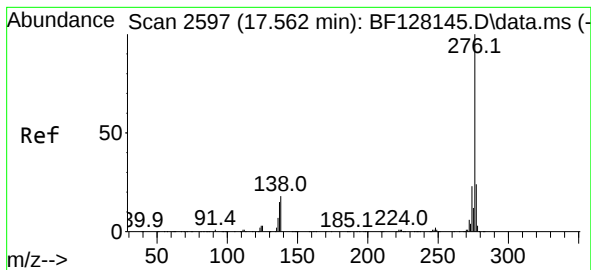
Tgt Ion:252 Resp: 153246
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 9.9 9.2 13.8



#91
Dibenzo(a,h)anthracene
Concen: 3.049 ng
RT: 17.086 min Scan# 2516
Delta R.T. -0.029 min
Lab File: BF128176.D
Acq: 10 May 2022 22:53

Tgt Ion:278 Resp: 24900
Ion Ratio Lower Upper
278 100
139 18.2 12.6 19.0
279 32.3 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 9.910 ng

RT: 17.545 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF128176.D

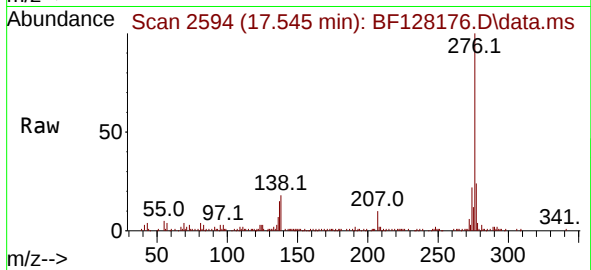
Acq: 10 May 2022 22:53

Instrument :

BNA_F

ClientSampleId :

TP-1



Tgt Ion: 276 Resp: 81932

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 18.2 16.2 24.2

