

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
 Data File : BF128178.D
 Acq On : 10 May 2022 23:50
 Operator : CG\JU
 Sample : N2749-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: May 11 05:16:14 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

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/11/2022
 Supervised By : Jagrut Upadhyay 05/11/2022

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 Upadhyay

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	76679	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	289700	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	159154	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	255673	20.000	ng	0.00
76) Chrysene-d12	14.074	240	160979	20.000	ng	0.00
86) Perylene-d12	15.574	264	160429	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	521990	108.520	ng	0.00
7) Phenol-d6	6.522	99	683715	107.467	ng	0.00
23) Nitrobenzene-d5	7.457	82	489702	76.061	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	178616	97.856	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	725783	71.354	ng	0.00
79) Terphenyl-d14	13.010	244	566669	66.053	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.192	128	86188	6.024	ng	98
37) 2-Methylnaphthalene	8.886	142	27069	2.806	ng	100
38) 1-Methylnaphthalene	8.986	142	19053	2.057	ng	99
49) Acenaphthylene	9.792	152	93611	7.207	ng	100
52) Acenaphthene	9.963	154	19197	2.132	ng	96
58) Fluorene	10.480	166	28401	2.852	ng	# 96
71) Phenanthrene	11.445	178	240494	18.891	ng	100
72) Anthracene	11.498	178	107325	8.444	ng	98
75) Fluoranthene	12.645	202	497826	36.068	ng	96
78) Pyrene	12.874	202	520176	44.565	ng	99
81) Benzo(a)anthracene	14.063	228	307806m	29.936	ng	
83) Chrysene	14.098	228	308877m	31.483	ng	
87) Indeno(1,2,3-cd)pyrene	17.086	276	194990m	20.092	ng	
88) Benzo(b)fluoranthene	15.133	252	407598m	40.986	ng	
89) Benzo(k)fluoranthene	15.157	252	160219m	16.321	ng	
90) Benzo(a)pyrene	15.509	252	330438m	41.157	ng	
91) Dibenzo(a,h)anthracene	17.098	278	54860m	6.983	ng	
92) Benzo(g,h,i)perylene	17.551	276	186991	23.506	ng	97

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

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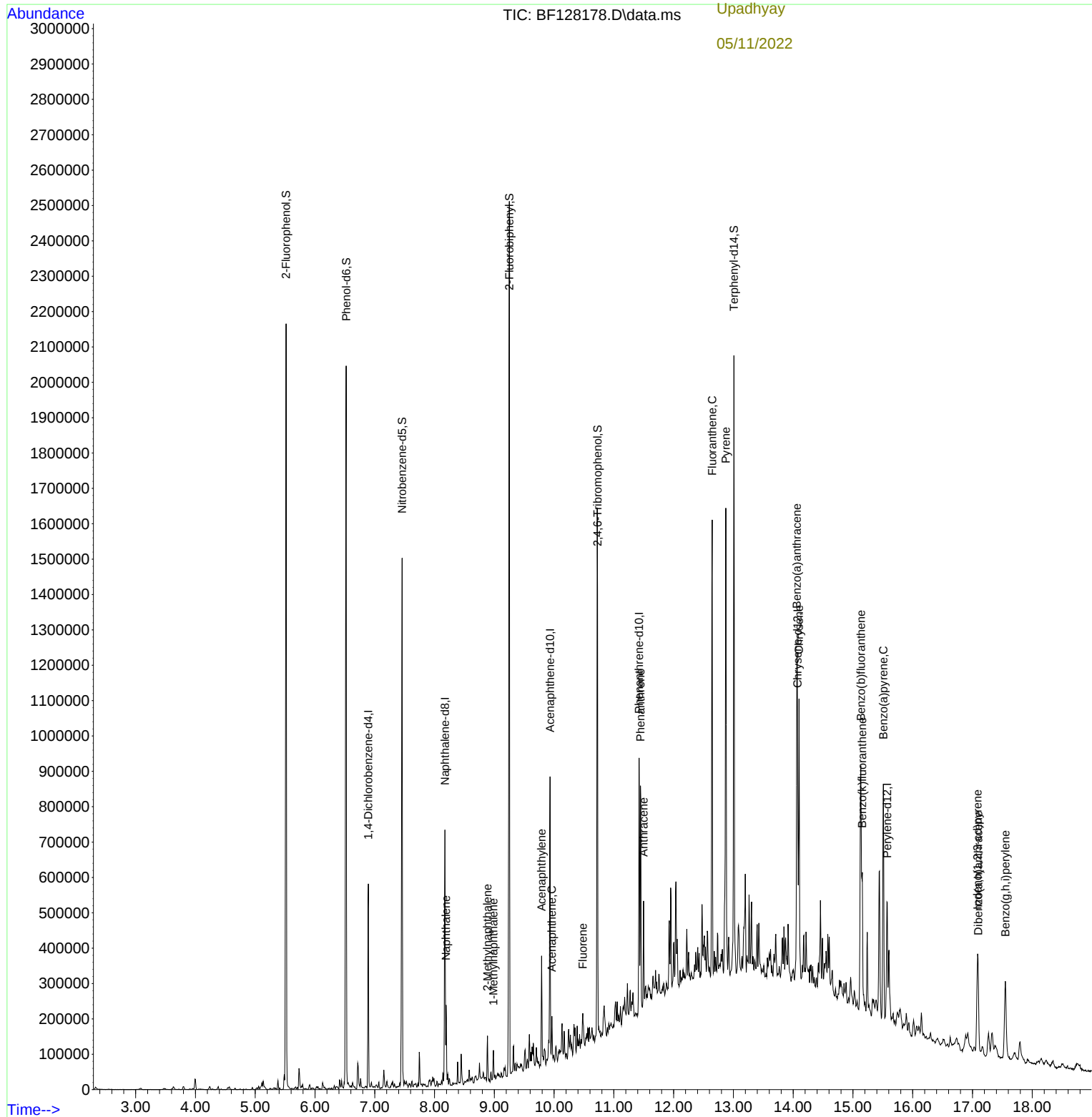
Quant Time: May 11 05:16:14 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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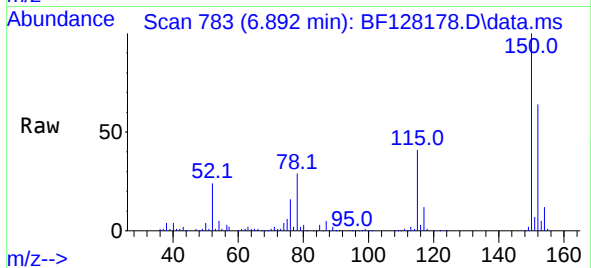
05/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 783
Delta R.T. 0.000 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

Instrument :
BNA_F
ClientSampleId :
TP-2



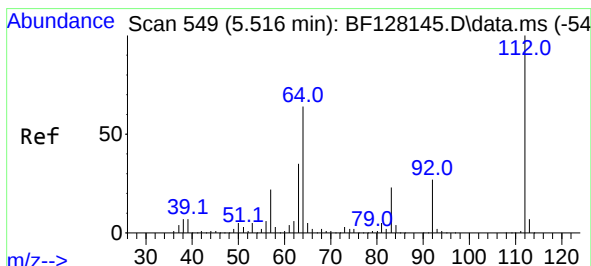
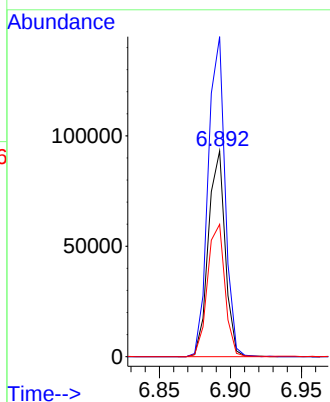
Tgt Ion:152 Resp: 76679
Ion Ratio Lower Upper
152 100
150 155.5 125.3 187.9
115 64.3 48.8 73.2

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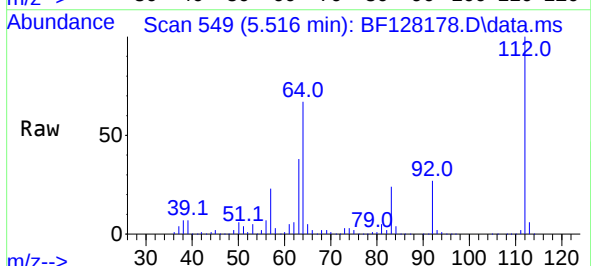
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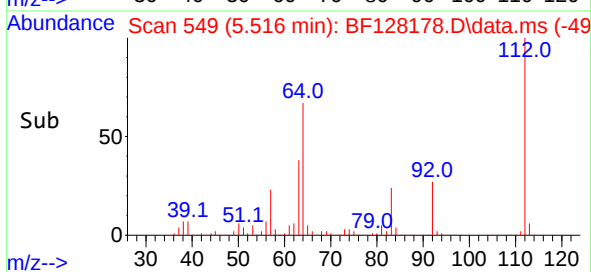
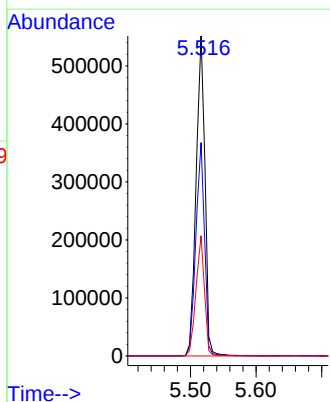
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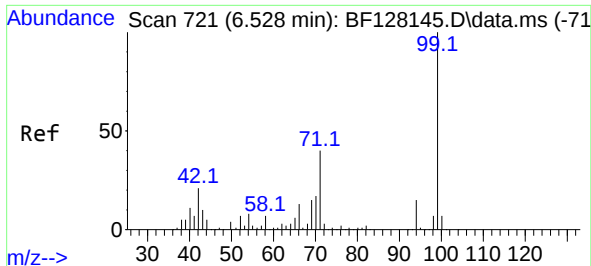


#5
2-Fluorophenol
Concen: 108.520 ng
RT: 5.516 min Scan# 549
Delta R.T. -0.000 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50



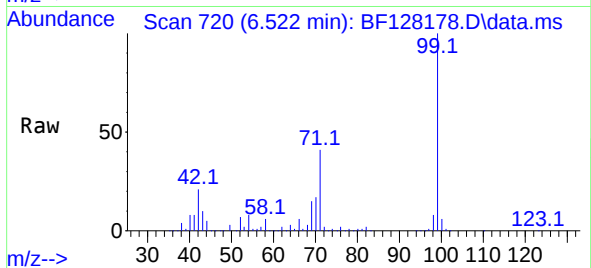
Tgt Ion:112 Resp: 521990
Ion Ratio Lower Upper
112 100
64 66.7 49.5 74.3
63 37.6 26.3 39.5





#7
Phenol-d6
Concen: 107.467 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

Instrument :
BNA_F
ClientSampleId :
TP-2



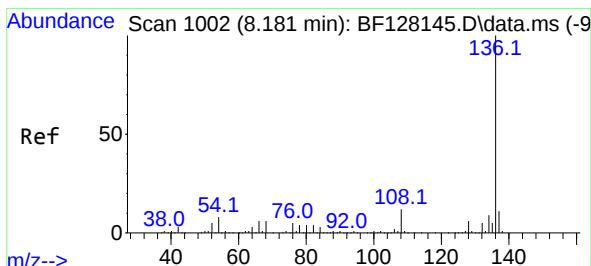
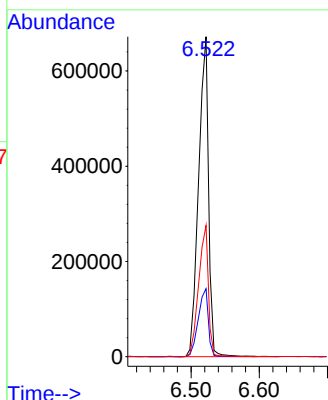
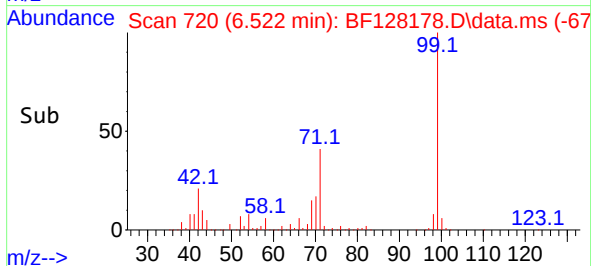
Tgt Ion: 99 Resp: 68371
Ion Ratio Lower Upper
99 100
42 21.3 16.6 24.8
71 41.0 30.0 45.0

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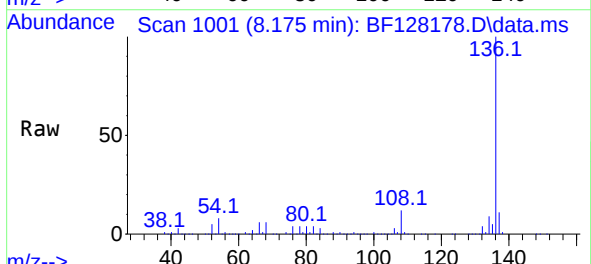
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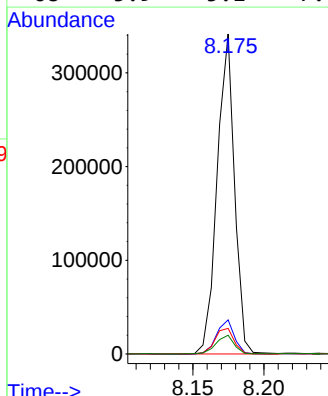
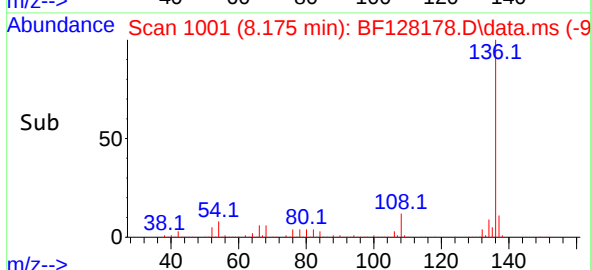
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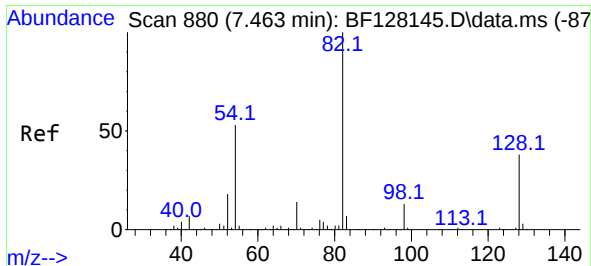


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50



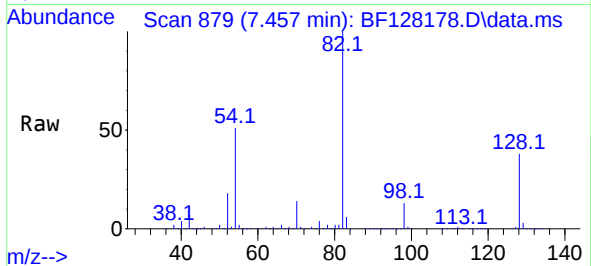
Tgt Ion:136 Resp: 289700
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.0 6.8 10.2
68 5.9 5.1 7.7





#23
Nitrobenzene-d5
Concen: 76.061 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

Instrument :
BNA_F
ClientSampleId :
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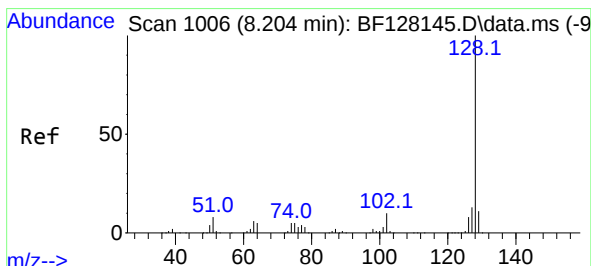
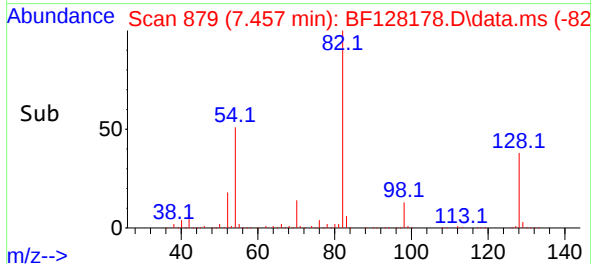
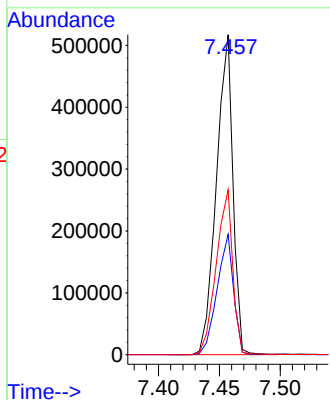
Tgt Ion: 82 Resp: 48970
Ion Ratio Lower Upper
82 100
128 37.6 30.0 45.0
54 51.5 41.3 61.9

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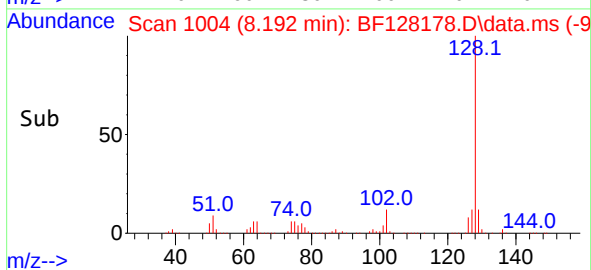
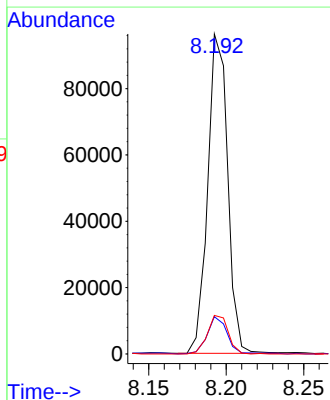
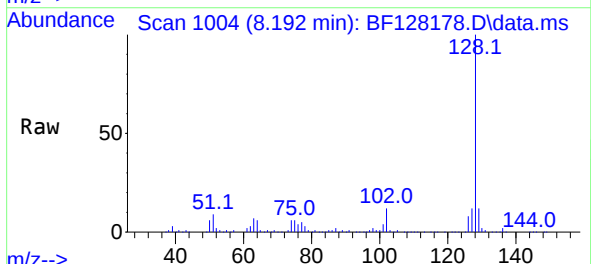
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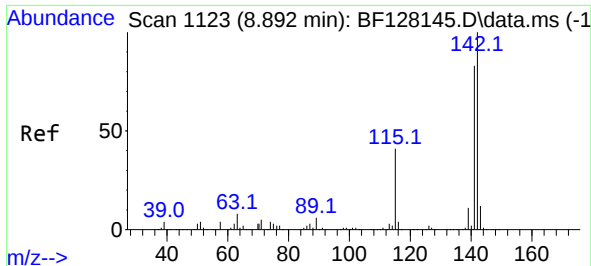
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#31
Naphthalene
Concen: 6.024 ng
RT: 8.192 min Scan# 1004
Delta R.T. -0.012 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

Tgt Ion:128 Resp: 86188
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.4
127 12.1 10.6 16.0





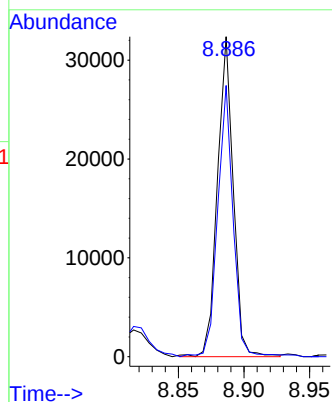
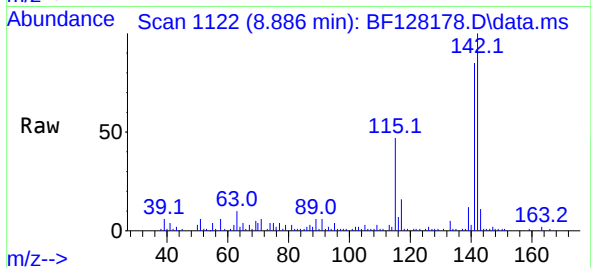
#37
2-Methylnaphthalene
Concen: 2.806 ng
RT: 8.886 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:142 Resp: 27069
Ion Ratio Lower Upper
142 100
141 84.8 67.4 101.2

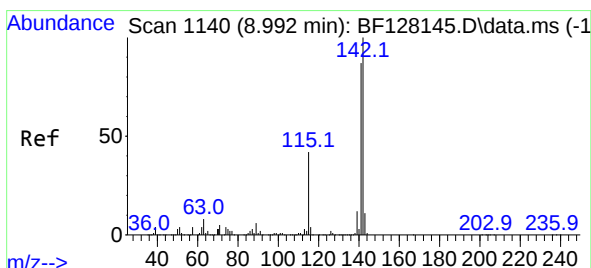
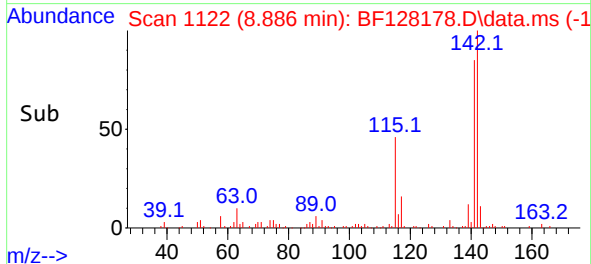
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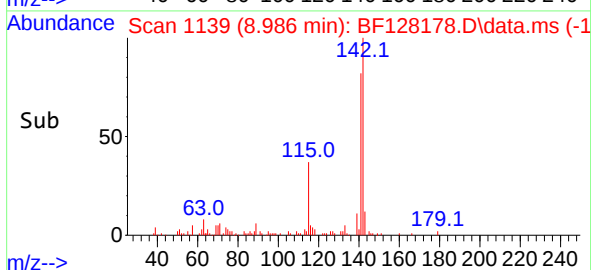
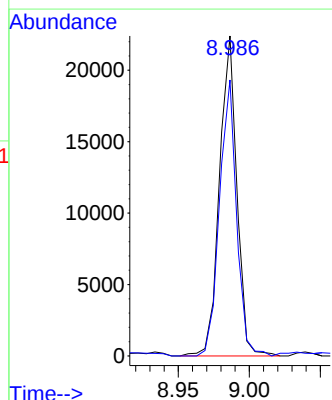
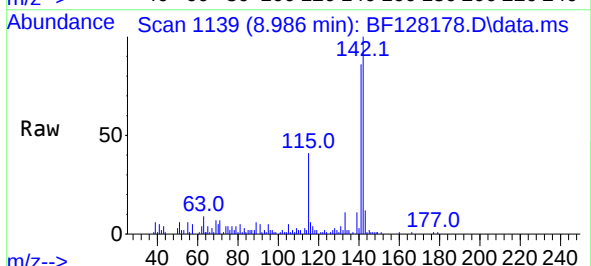
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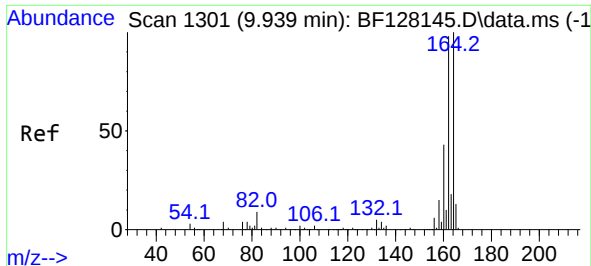
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#38
1-Methylnaphthalene
Concen: 2.057 ng
RT: 8.986 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

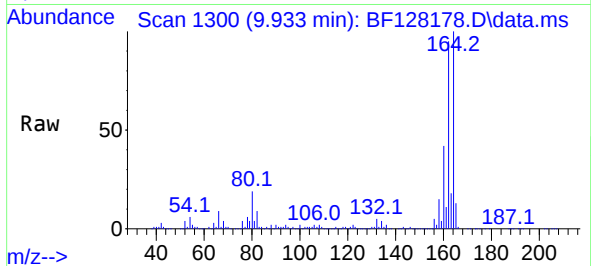
Tgt Ion:142 Resp: 19053
Ion Ratio Lower Upper
142 100
141 86.3 70.1 105.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

Instrument :
BNA_F
ClientSampleId :
TP-2



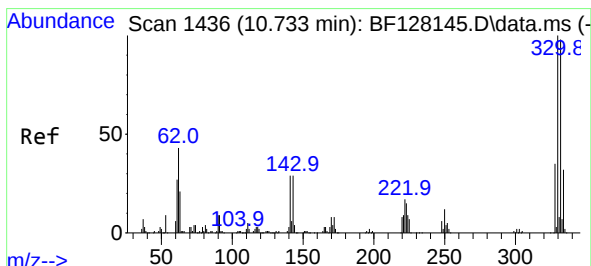
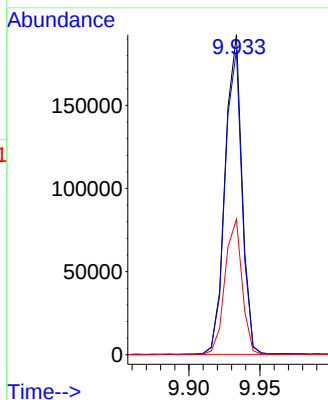
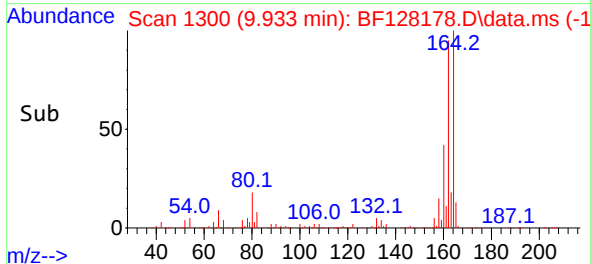
Tgt Ion:164 Resp: 159154
Ion Ratio Lower Upper
164 100
162 95.1 76.0 114.0
160 42.3 34.8 52.2

Manual Integrations
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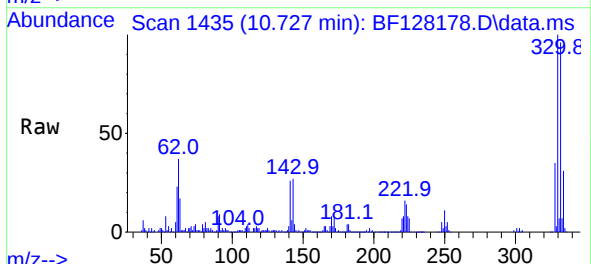
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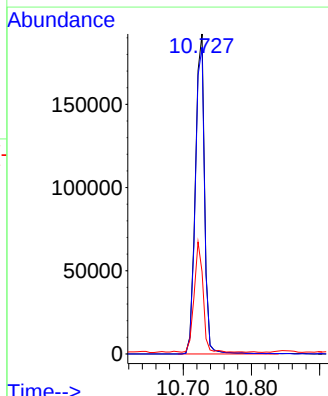
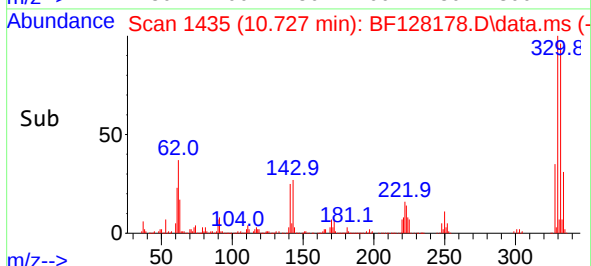
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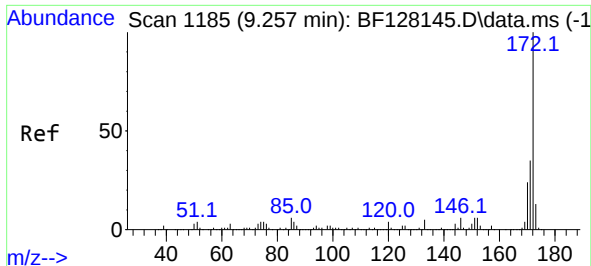


#42
2,4,6-Tribromophenol
Concen: 97.856 ng
RT: 10.727 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50



Tgt Ion:330 Resp: 178616
Ion Ratio Lower Upper
330 100
332 96.8 79.0 118.4
141 32.9 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 71.354 ng

RT: 9.251 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF128178.D

Acq: 10 May 2022 23:50

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:172 Resp: 72578

Ion Ratio Lower Upper

172 100

171 34.4 28.6 42.8

170 23.3 19.1 28.7

Manual Integrations

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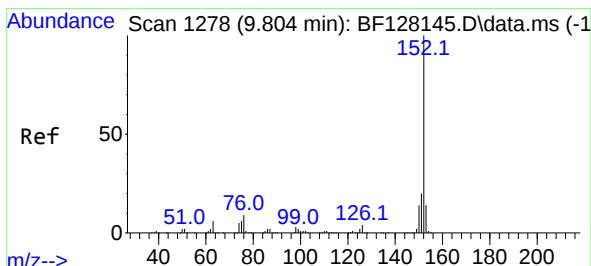
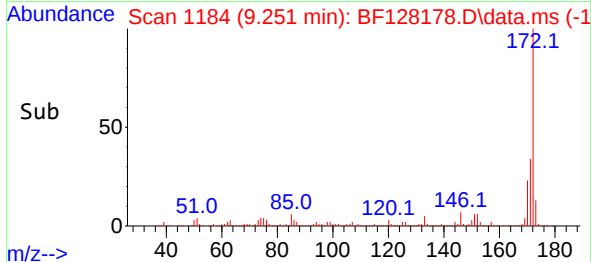
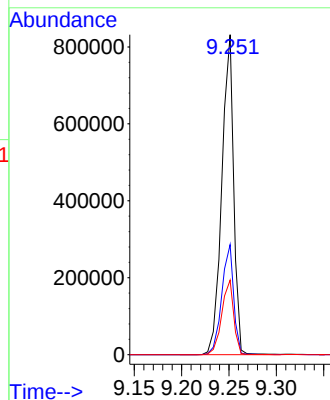
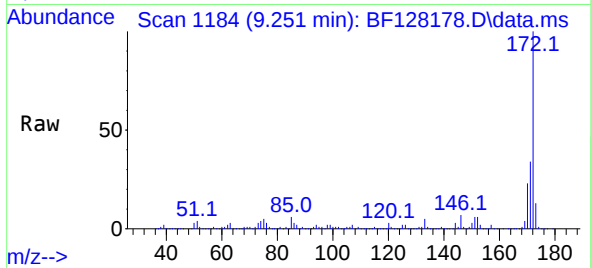
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Upadhyay

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#49

Acenaphthylene

Concen: 7.207 ng

RT: 9.792 min Scan# 1276

Delta R.T. -0.012 min

Lab File: BF128178.D

Acq: 10 May 2022 23:50

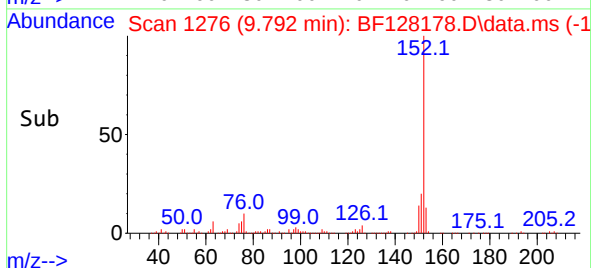
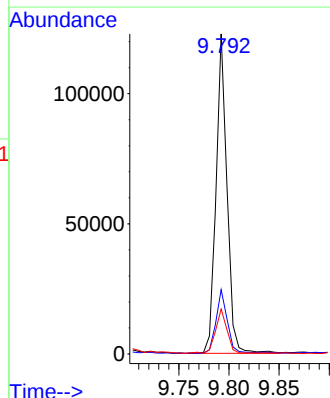
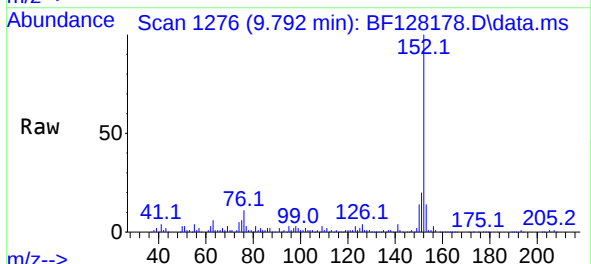
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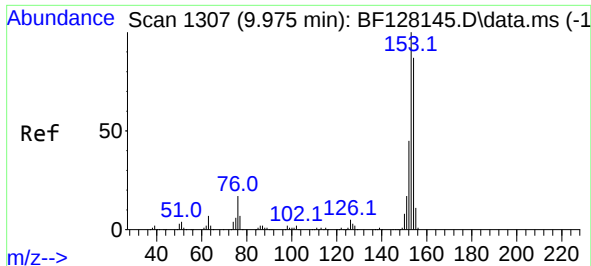
Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

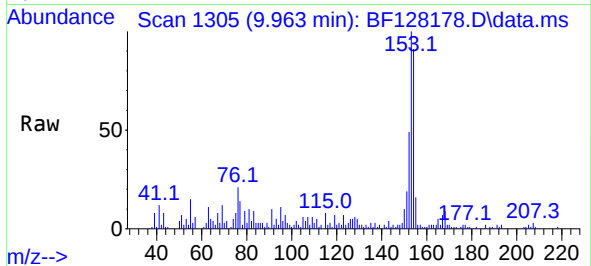
153 14.0 11.2 16.8





#52
Acenaphthene
Concen: 2.132 ng
RT: 9.963 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

Instrument :
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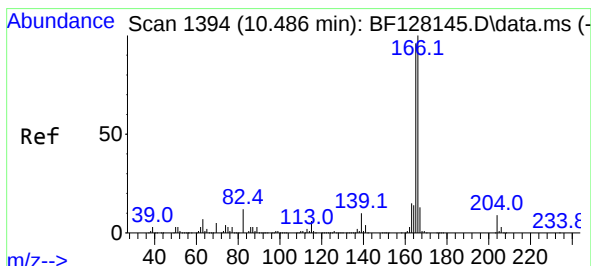
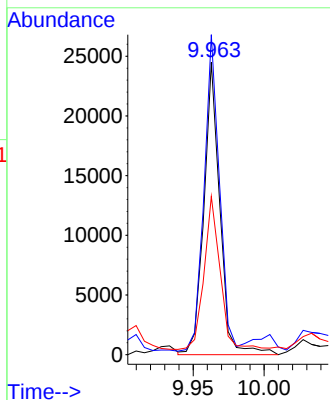
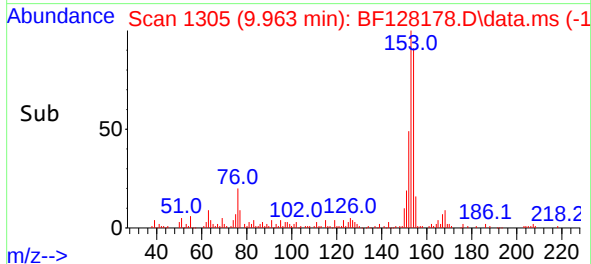
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Ion Ratio Lower Upper
154 100
153 109.4 90.5 135.7
152 54.1 41.0 61.6

Manual Integrations
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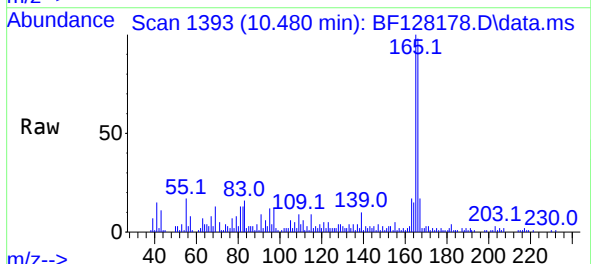
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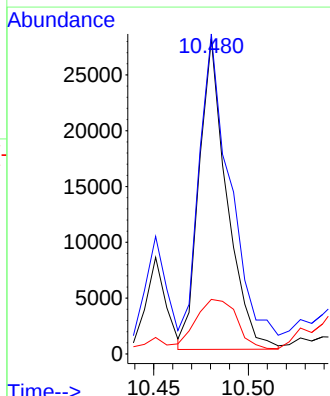
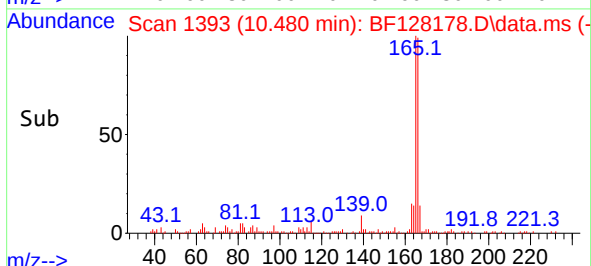
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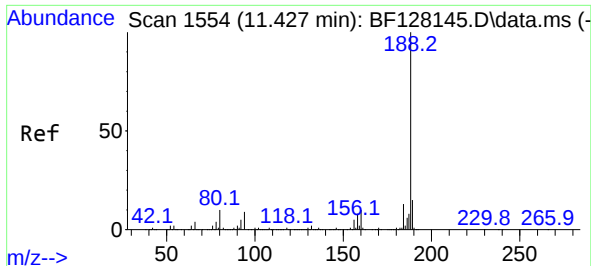


#58
Fluorene
Concen: 2.852 ng
RT: 10.480 min Scan# 1393
Delta R.T. -0.006 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50



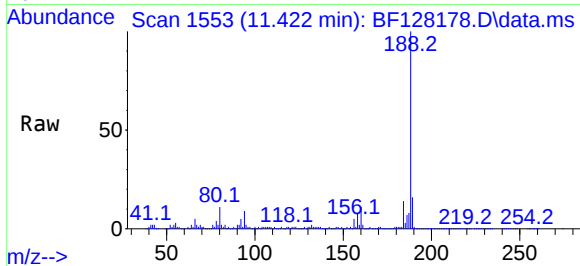
Tgt Ion:166 Resp: 28401
Ion Ratio Lower Upper
166 100
165 101.6 78.6 117.8
167 17.3 10.5 15.7#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

Instrument :
BNA_F
ClientSampleId :
TP-2



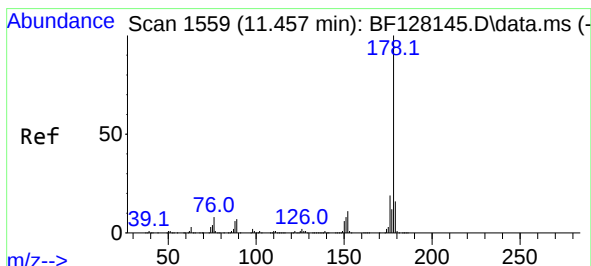
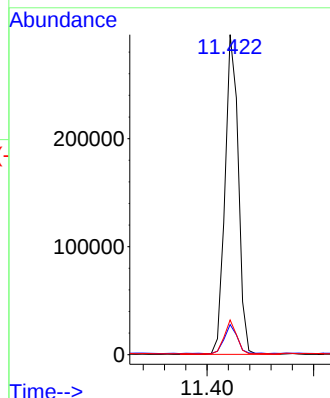
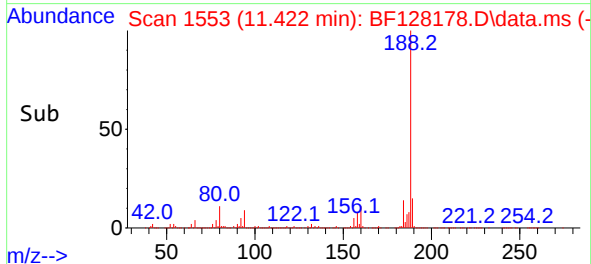
Tgt Ion:188 Resp: 255673
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.9 8.9 13.3

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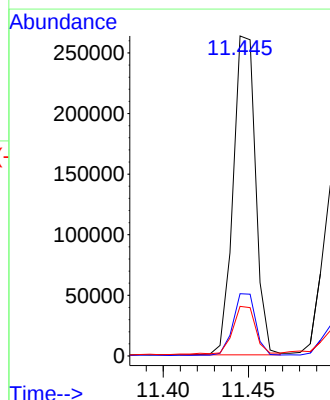
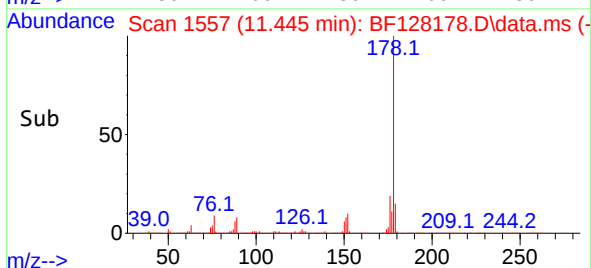
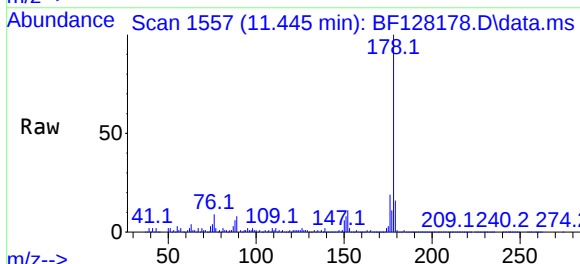
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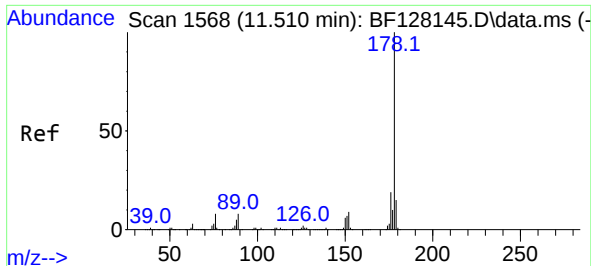
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#71
Phenanthrene
Concen: 18.891 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.012 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

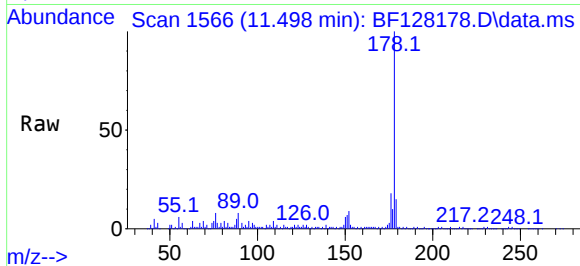
Tgt Ion:178 Resp: 240494
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.5 12.6 19.0





#72
 Anthracene
 Concen: 8.444 ng
 RT: 11.498 min Scan# 1568
 Delta R.T. -0.012 min
 Lab File: BF128178.D
 Acq: 10 May 2022 23:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-2



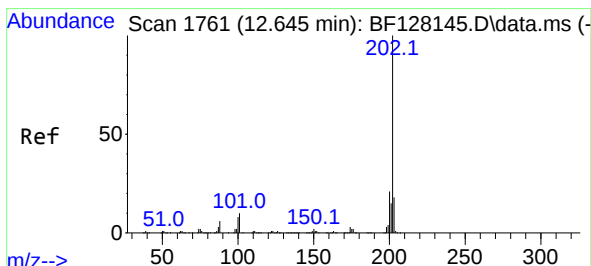
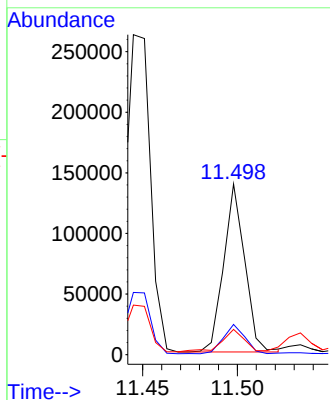
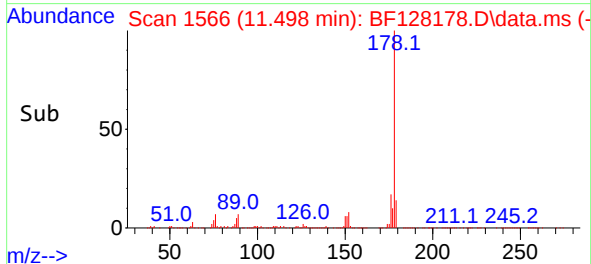
Tgt Ion:178 Resp: 107329
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.0 22.6
 179 14.9 12.4 18.6

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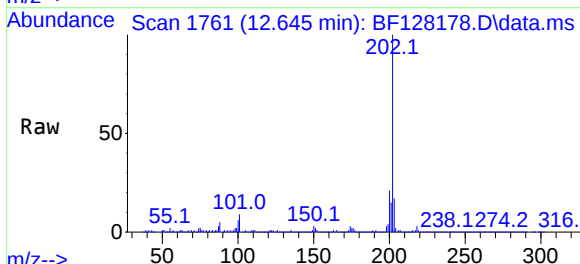
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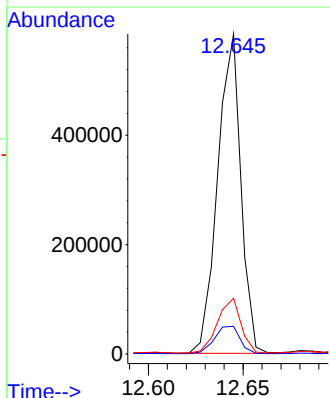
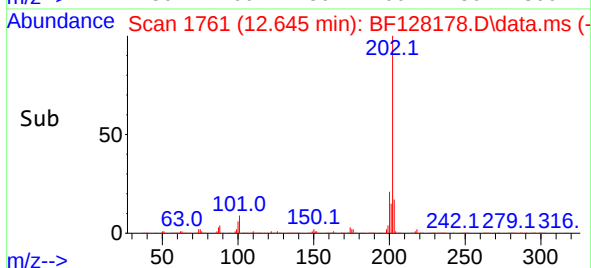
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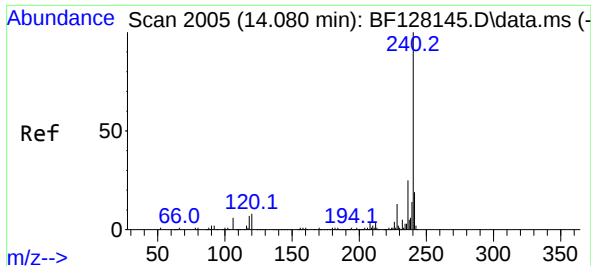


#75
 Fluoranthene
 Concen: 36.068 ng
 RT: 12.645 min Scan# 1761
 Delta R.T. -0.000 min
 Lab File: BF128178.D
 Acq: 10 May 2022 23:50



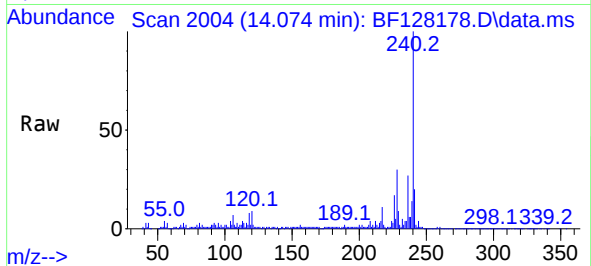
Tgt Ion:202 Resp: 497826
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 31.6
 203 17.4 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

Instrument :
BNA_F
ClientSampleId :
TP-2



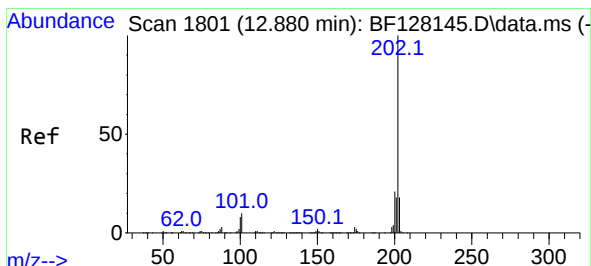
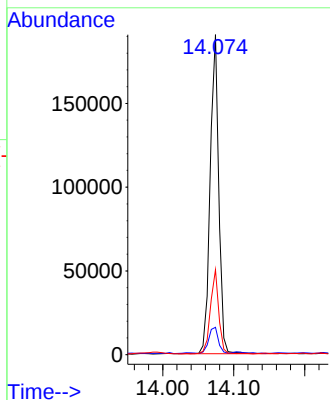
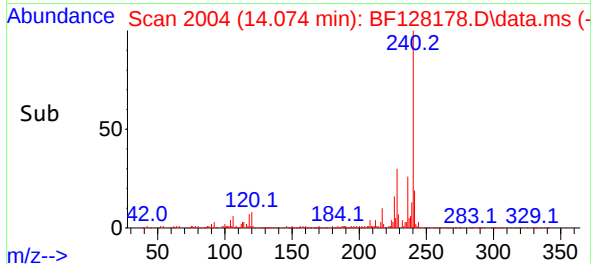
Tgt Ion:240 Resp: 160979
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.6
236 26.6 20.3 30.5

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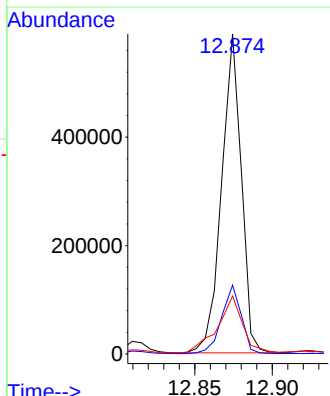
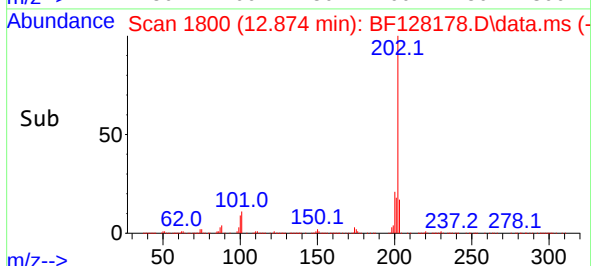
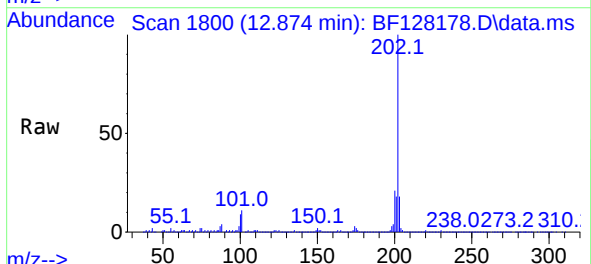
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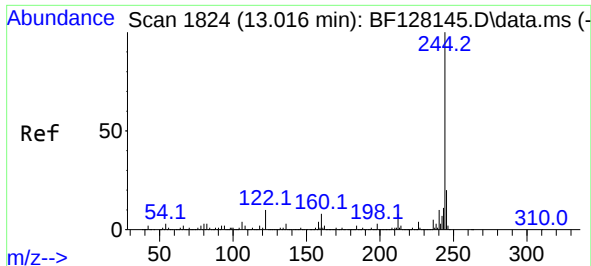
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#78
Pyrene
Concen: 44.565 ng
RT: 12.874 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

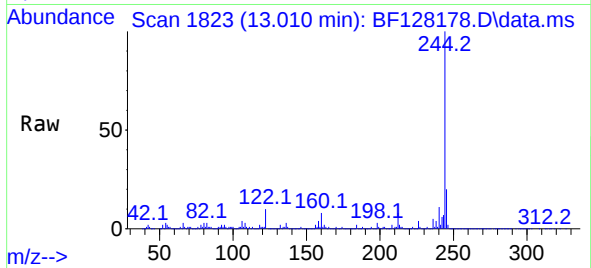
Tgt Ion:202 Resp: 520176
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 18.1 14.0 21.0





#79
 Terphenyl-d14
 Concen: 66.053 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128178.D
 Acq: 10 May 2022 23:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-2



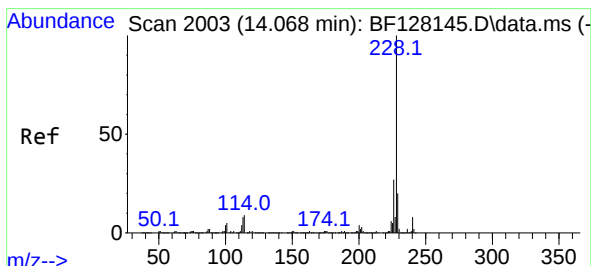
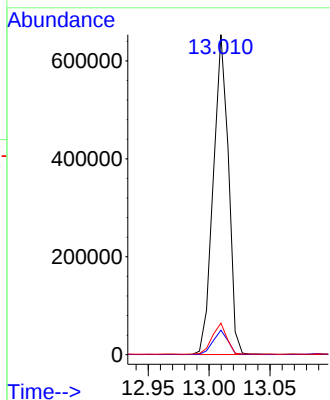
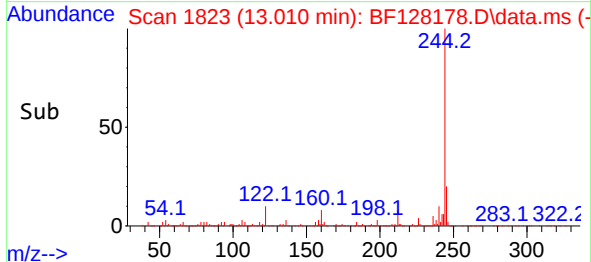
Tgt Ion:244 Resp: 566669
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.4
 122 9.8 8.6 12.8

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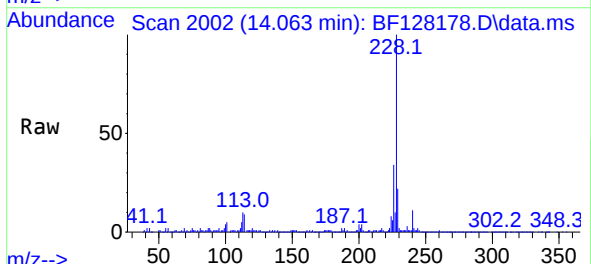
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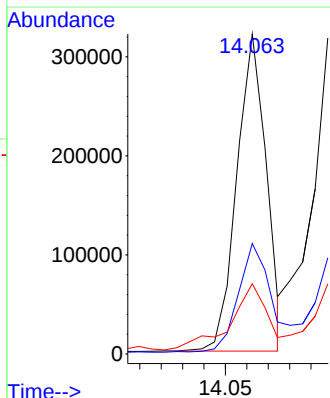
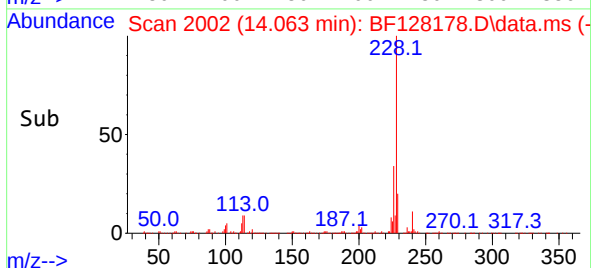
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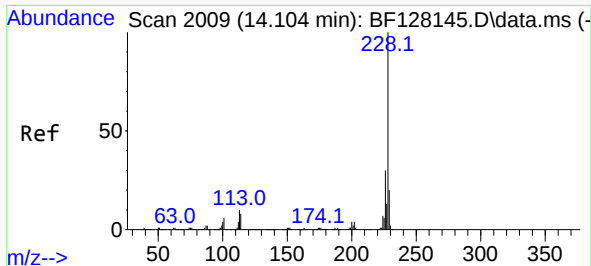


#81
 Benzo(a)anthracene
 Concen: 29.936 ng m
 RT: 14.063 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: BF128178.D
 Acq: 10 May 2022 23:50



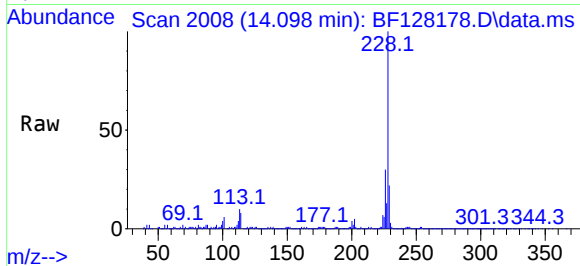
Tgt Ion:228 Resp: 307806
 Ion Ratio Lower Upper
 228 100
 226 34.5 21.7 32.5#
 229 21.9 15.4 23.2





#83
Chrysene
Concen: 31.483 ng m
RT: 14.098 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

Instrument :
BNA_F
ClientSampleId :
TP-2



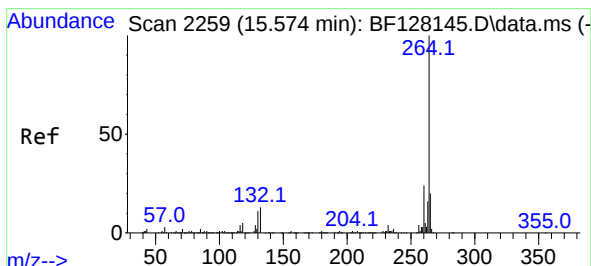
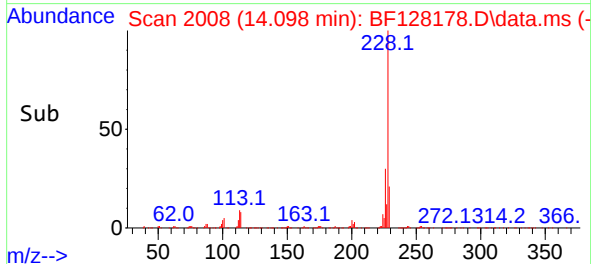
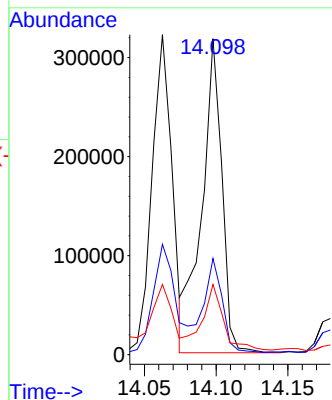
Tgt Ion:228 Resp: 30887
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 22.2 15.8 23.8

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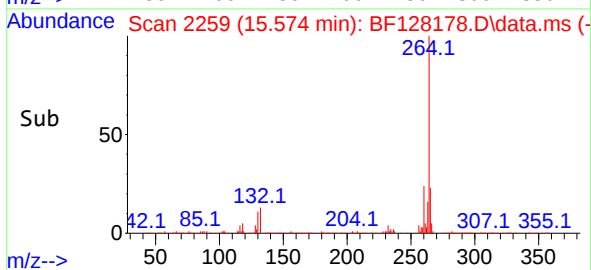
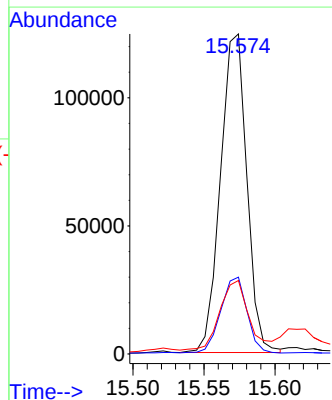
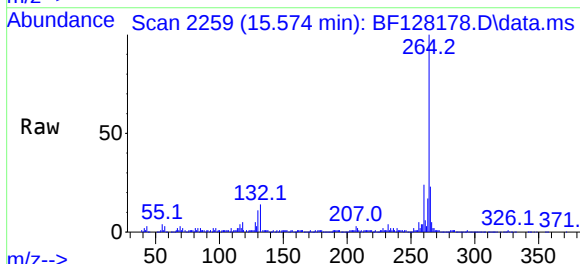
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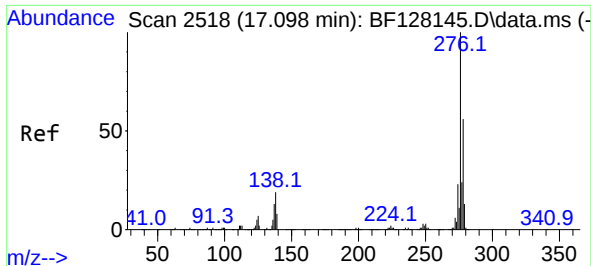
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2259
Delta R.T. -0.000 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

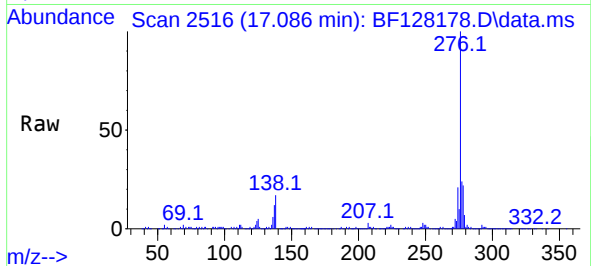
Tgt Ion:264 Resp: 160429
Ion Ratio Lower Upper
264 100
260 24.0 20.1 30.1
265 23.0 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 20.092 ng m
RT: 17.086 min Scan# 2518
Delta R.T. -0.012 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

Instrument :
BNA_F
ClientSampleId :
TP-2



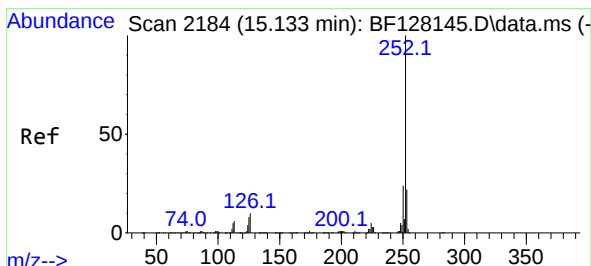
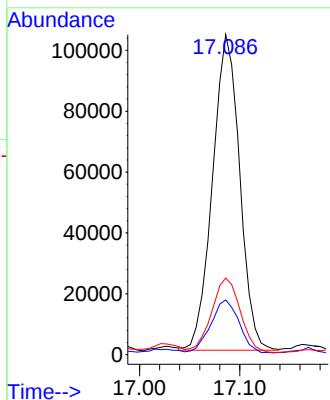
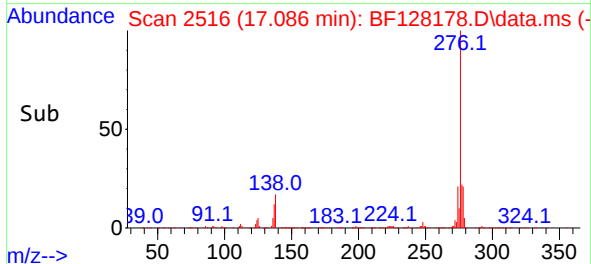
Tgt Ion:276 Resp: 194990
Ion Ratio Lower Upper
276 100
138 4.0 19.0 28.4
277 4.9 20.1 30.1

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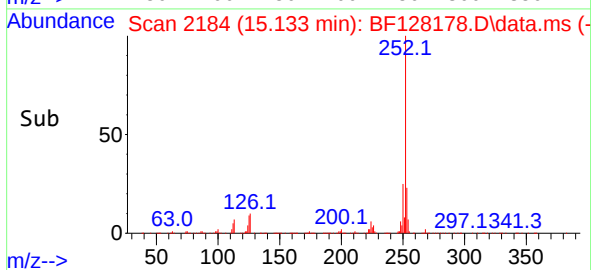
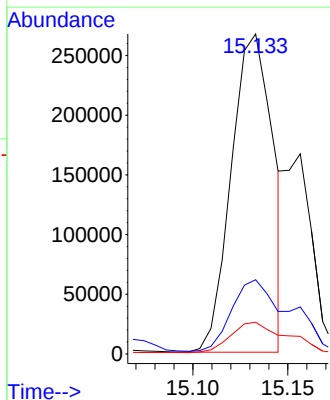
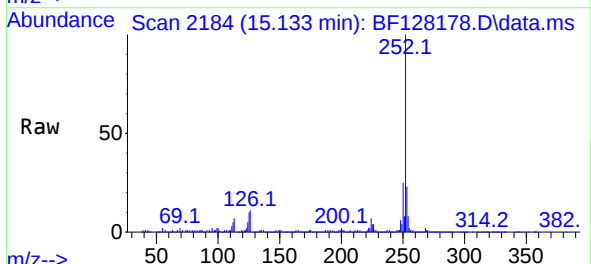
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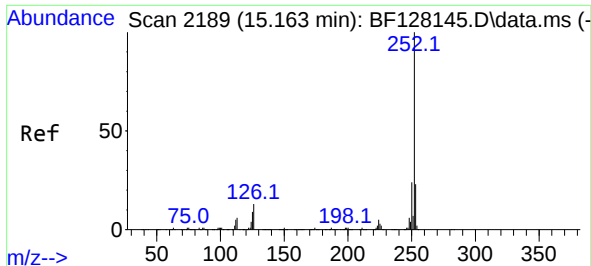
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#88
Benzo(b)fluoranthene
Concen: 40.986 ng m
RT: 15.133 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

Tgt Ion:252 Resp: 407598
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 9.9 7.4 11.2





#89
Benzo(k)fluoranthene
Concen: 16.321 ng m
RT: 15.157 min Scan# 2189
Delta R.T. -0.006 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

Instrument :
BNA_F
ClientSampleId :
TP-2

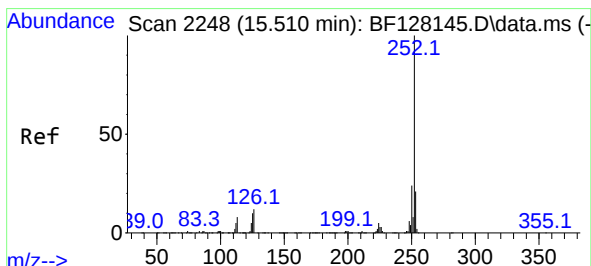
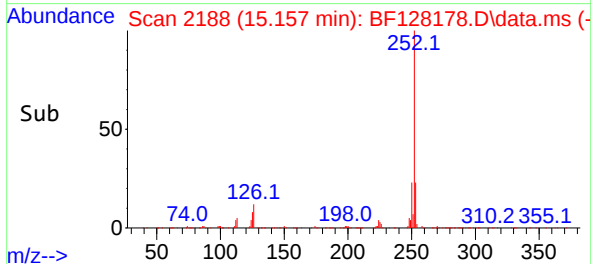
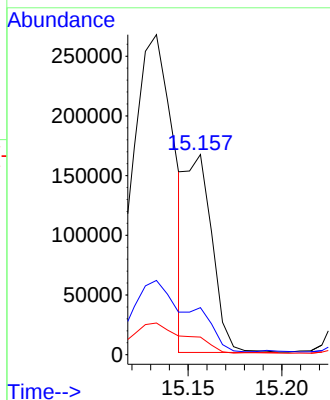
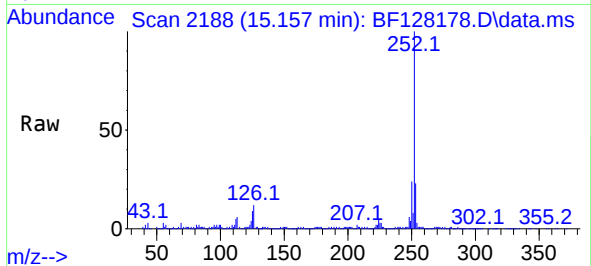
Tgt Ion:252 Resp: 160219
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 8.8 6.8 10.2

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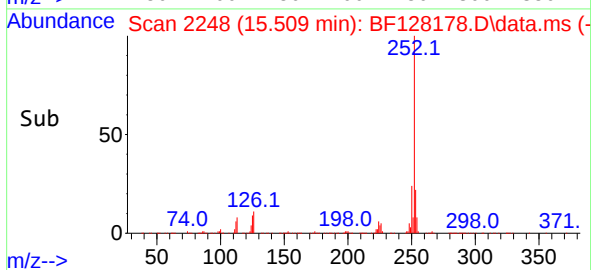
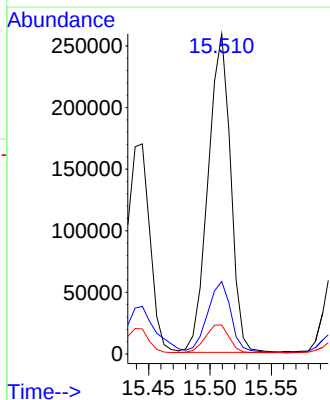
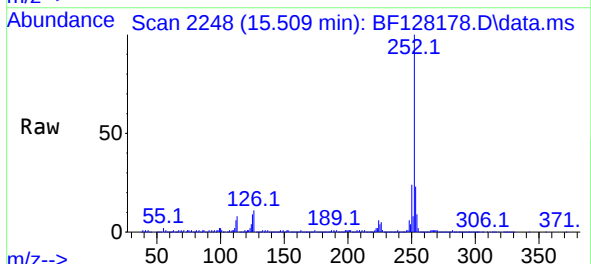
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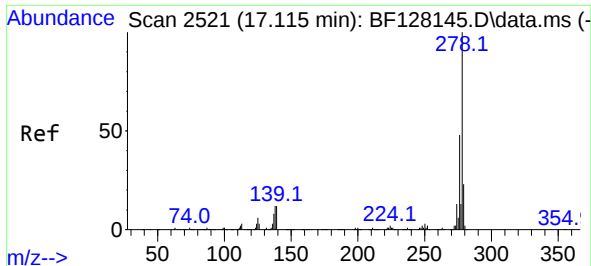
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#90
Benzo(a)pyrene
Concen: 41.157 ng m
RT: 15.509 min Scan# 2248
Delta R.T. -0.000 min
Lab File: BF128178.D
Acq: 10 May 2022 23:50

Tgt Ion:252 Resp: 330438
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 9.0 9.2 13.8#





#91

Dibenzo(a,h)anthracene

Concen: 6.983 ng m

RT: 17.098 min Scan# 2518

Delta R.T. -0.018 min

Lab File: BF128178.D

Acq: 10 May 2022 23:50

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:278 Resp: 54860

Ion Ratio Lower Upper

278 100

139 16.3 12.6 19.0

279 28.7 18.9 28.3

Manual Integrations

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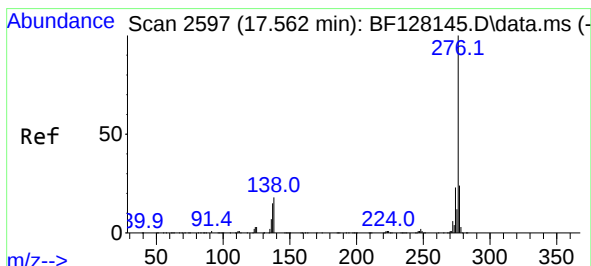
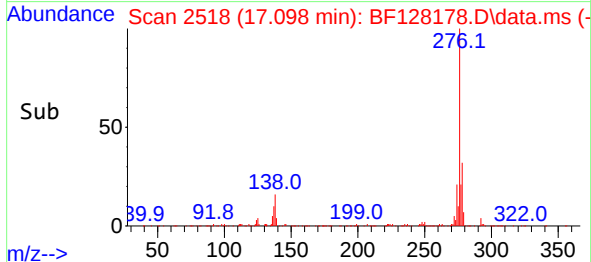
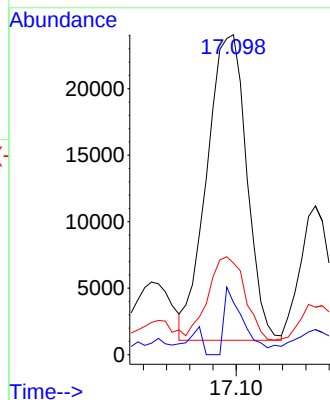
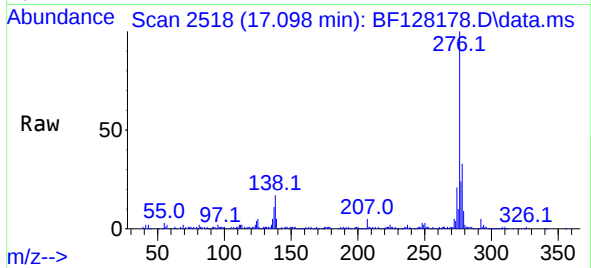
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#92

Benzo(g,h,i)perylene

Concen: 23.506 ng

RT: 17.551 min Scan# 2595

Delta R.T. -0.012 min

Lab File: BF128178.D

Acq: 10 May 2022 23:50

Tgt Ion:276 Resp: 186991

Ion Ratio Lower Upper

276 100

277 22.3 18.8 28.2

138 18.5 16.2 24.2

