

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
 Data File : BF124006.D
 Acq On : 20 May 2021 13:31
 Operator : JU/CG
 Sample : M2457-02 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Manual Integrations
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Quant Time: May 20 14:23:27 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	52945	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	224126	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	137801	20.00	ng	0.00
64) Phenanthrene-d10	11.439	188	238483	20.00	ng	0.01
76) Chrysene-d12	14.092	240	153968	20.00	ng	0.02
86) Perylene-d12	15.586	264	126054	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	157064	41.65	ng	0.00
7) Phenol-d6	6.522	99	212198	43.38	ng	0.00
23) Nitrobenzene-d5	7.463	82	153220	29.45	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	70500	42.60	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	275865	24.64	ng	0.00
79) Terphenyl-d14	13.021	244	242637	23.87	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.210	128	194586	14.67	ng	97
37) 2-Methylnaphthalene	8.898	142	57494	6.40	ng	98
38) 1-Methylnaphthalene	8.998	142	50882	6.07	ng	98
52) Acenaphthene	9.980	154	171547	17.59	ng	94
55) Dibenzofuran	10.151	168	211554	15.11	ng	95
58) Fluorene	10.492	166	214335	20.31	ng	93
71) Phenanthrene	11.480	178	3212404	212.54	ng	100
72) Anthracene	11.522	178	849832	55.49	ng	99
73) Carbazole	11.663	167	303739	22.67	ng	98
75) Fluoranthene	12.674	202	2943330	188.07	ng	98
78) Pyrene	12.904	202	2330838	170.52	ng	98
81) Benzo(a)anthracene	14.080	228	1082835	97.24	ng	99
83) Chrysene	14.121	228	854260	79.76	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	279738	28.74	ng	98
88) Benzo(b)fluoranthene	15.157	252	965443m	99.01	ng	
89) Benzo(k)fluoranthene	15.174	252	283953m	31.95	ng	
90) Benzo(a)pyrene	15.527	252	623858	74.01	ng	# 97
91) Dibenzo(a,h)anthracene	17.104	278	75696m	9.23	ng	
92) Benzo(g,h,i)perylene	17.556	276	233474	28.40	ng	# 95

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

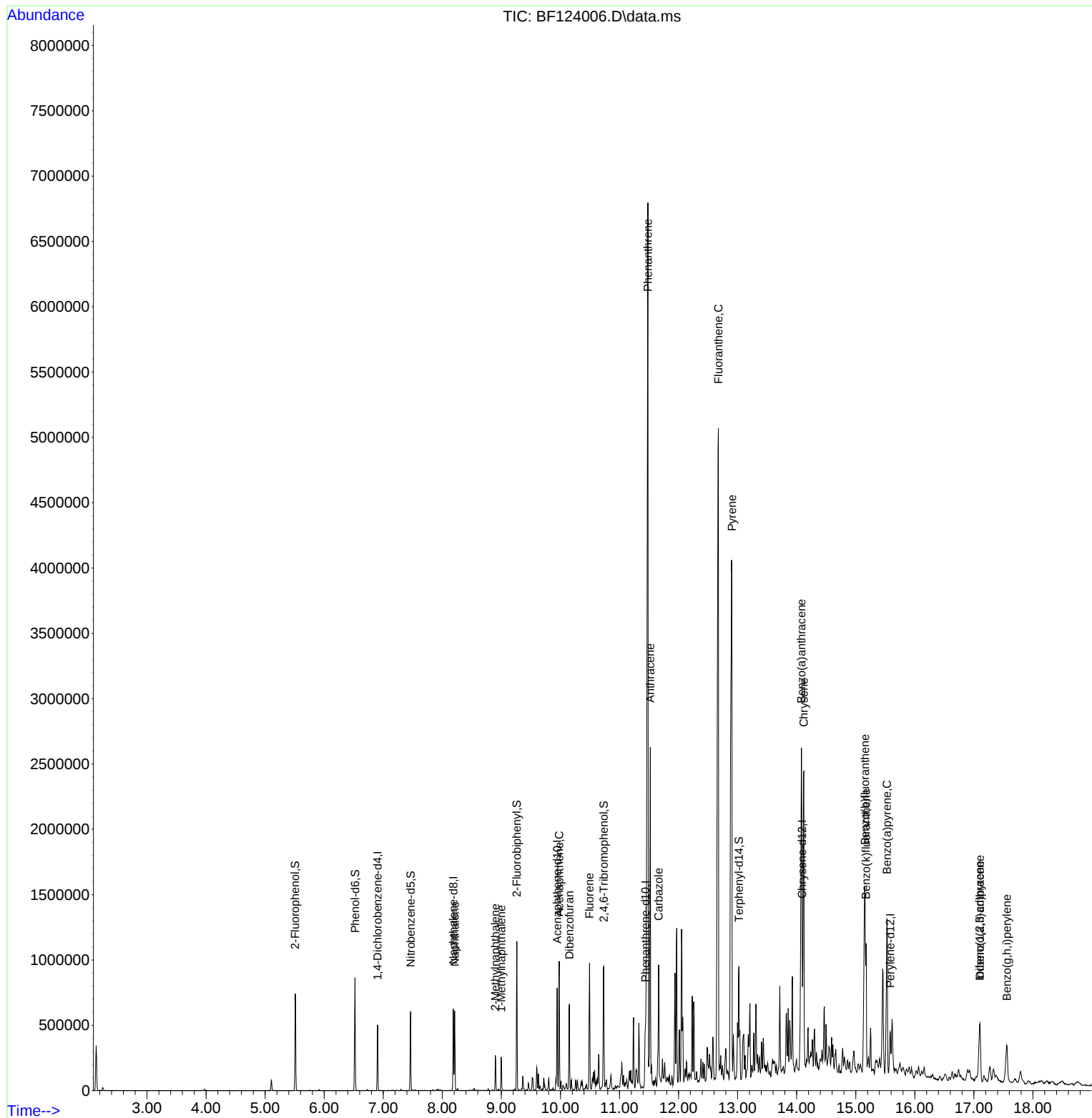
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
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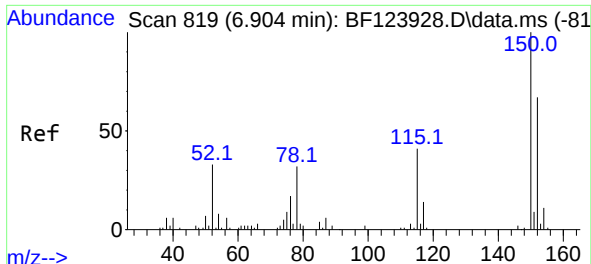
Instrument :
BNA_F
ClientSampled :
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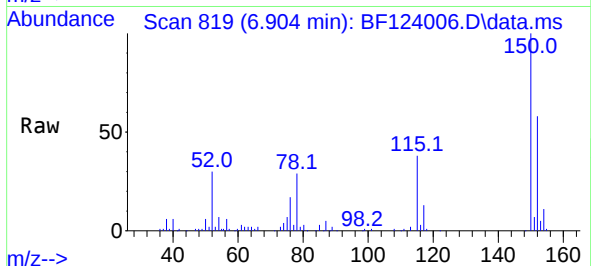
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Quant Time: May 20 14:23:27 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 19:05:57 2021
Response via : Initial Calibration

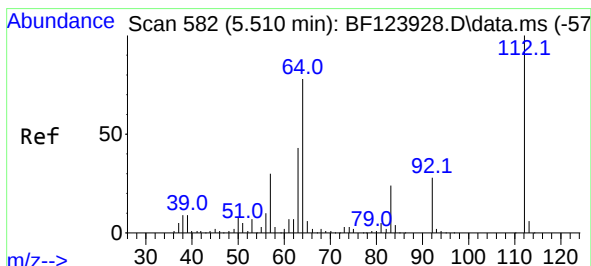
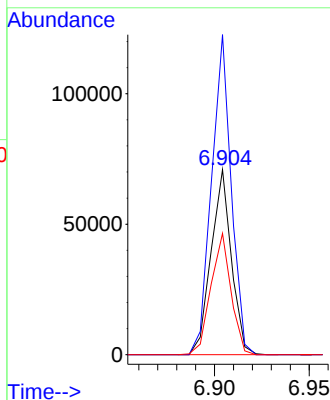
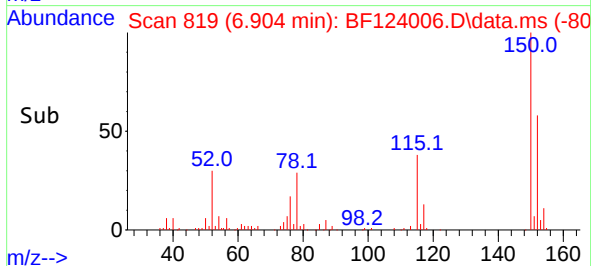




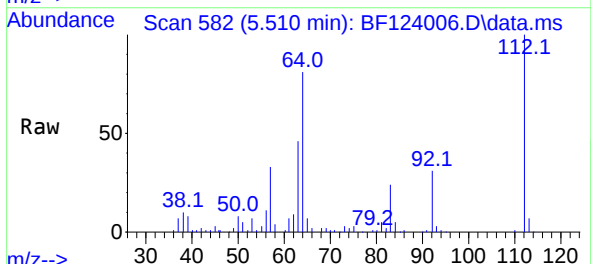
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31



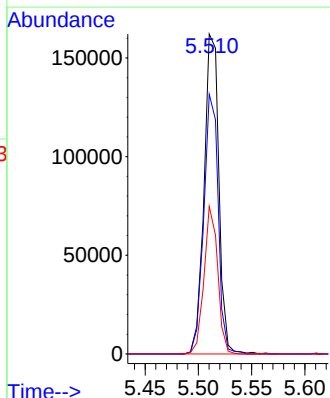
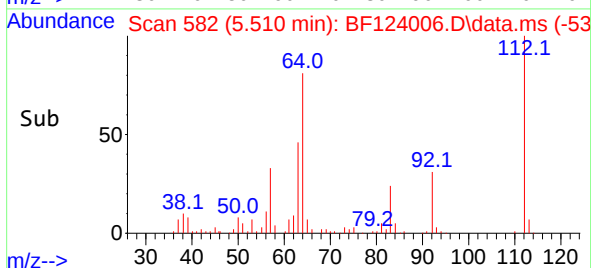
Tgt Ion:152 Resp: 52945
Ion Ratio Lower Upper
152 100
150 172.8 127.0 190.6
115 65.5 54.3 81.5



#5
2-Fluorophenol
Concen: 41.65 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31



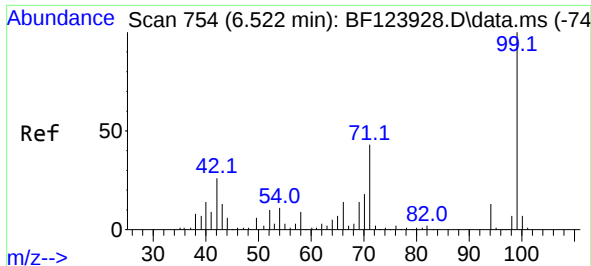
Tgt Ion:112 Resp: 157064
Ion Ratio Lower Upper
112 100
64 81.2 61.4 92.0
63 46.1 33.0 49.4



Instrument :
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ClientSampled :
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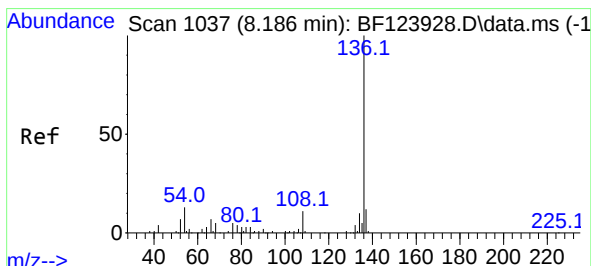
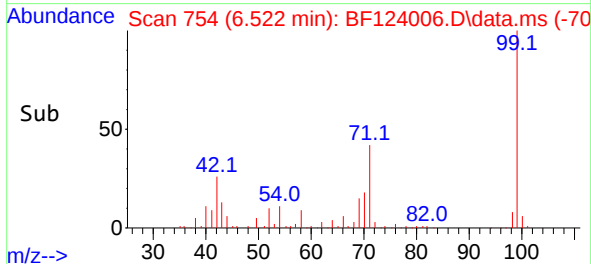
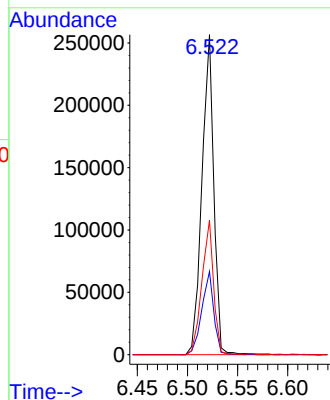
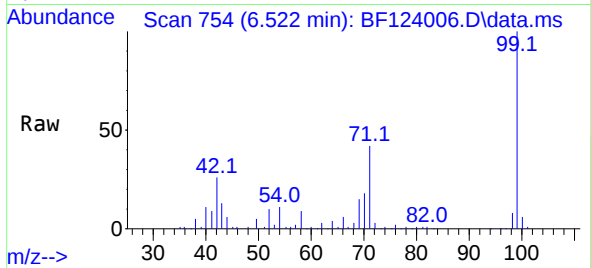
#7
Phenol-d6
Concen: 43.38 ng
RT: 6.522 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:	99	Resp:	212198
Ion	Ratio	Lower	Upper
99	100		
42	26.0	19.8	29.8
71	42.0	31.1	46.7

Instrument :
BNA_F
ClientSampleId :
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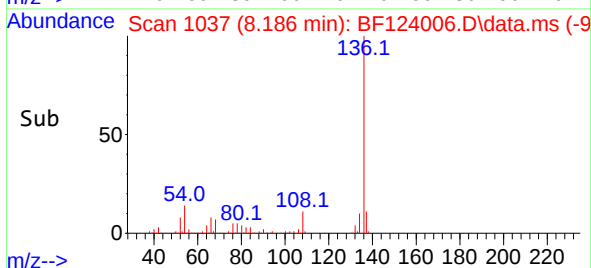
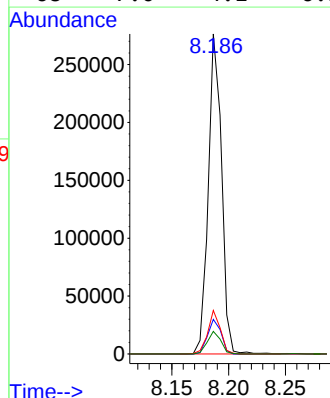
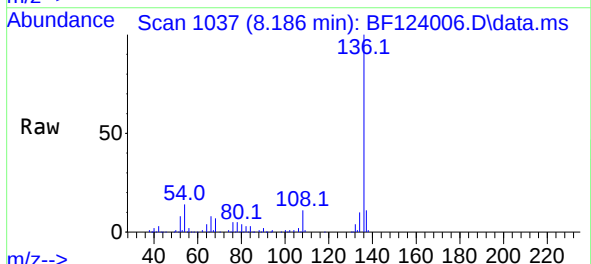
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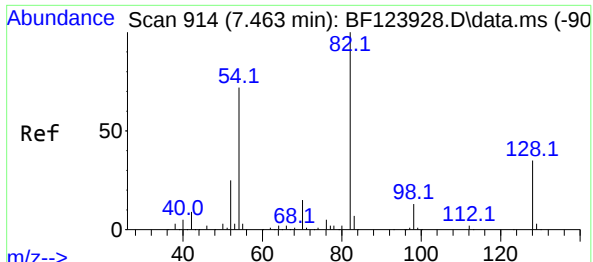
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:	136	Resp:	224126
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	13.6	9.8	14.6
68	7.0	4.1	6.1





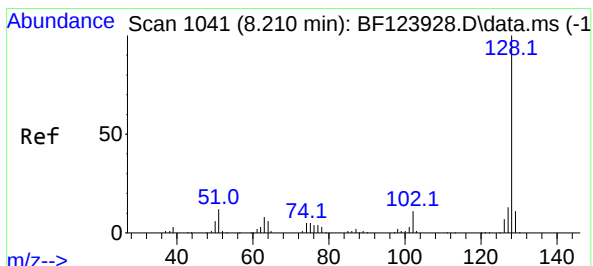
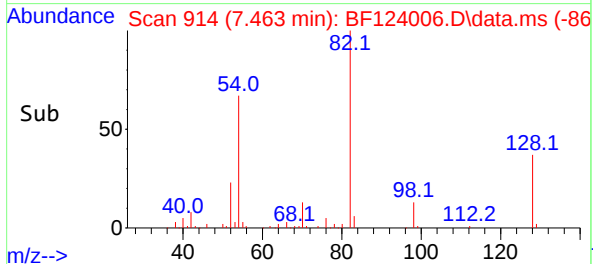
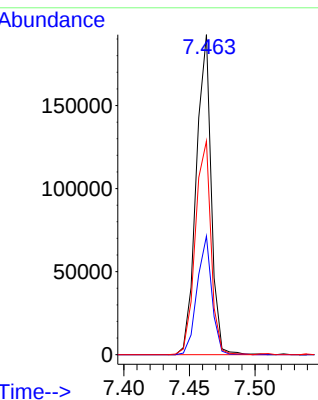
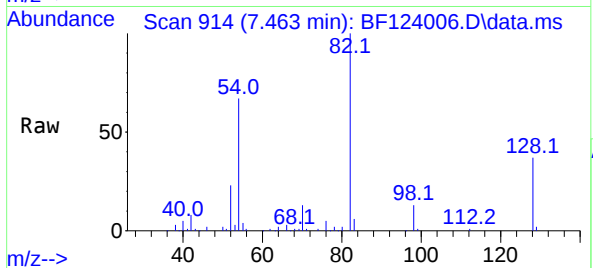
#23
Nitrobenzene-d5
Concen: 29.45 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion: 82 Resp: 153220
Ion Ratio Lower Upper
82 100
128 37.1 29.4 44.2
54 66.8 54.1 81.1

Instrument :
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ClientSampled :
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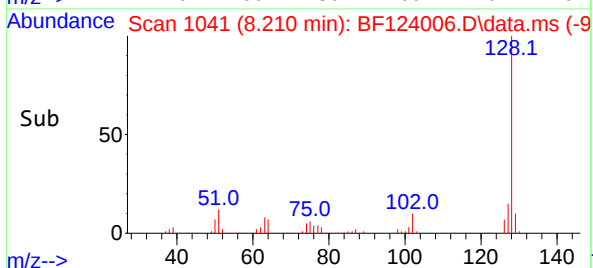
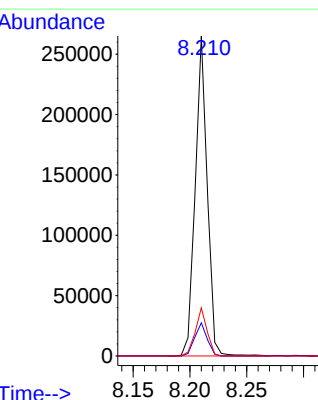
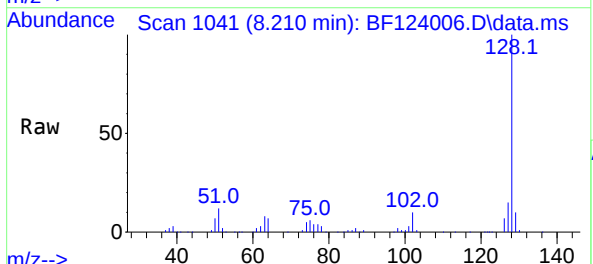
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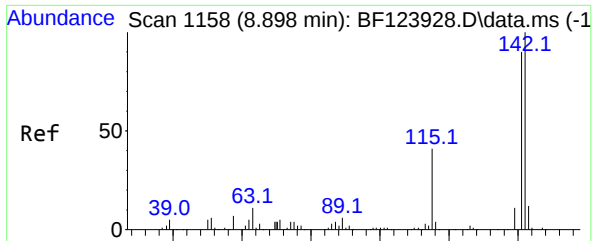
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#31
Naphthalene
Concen: 14.67 ng
RT: 8.210 min Scan# 1041
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion: 128 Resp: 194586
Ion Ratio Lower Upper
128 100
129 10.3 8.9 13.3
127 15.1 10.8 16.2





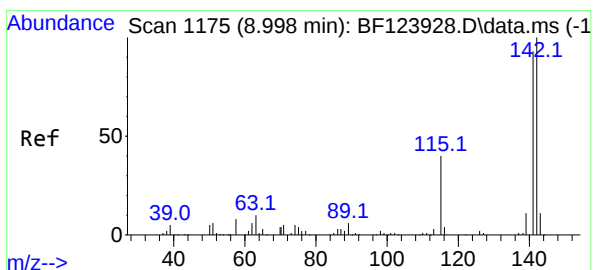
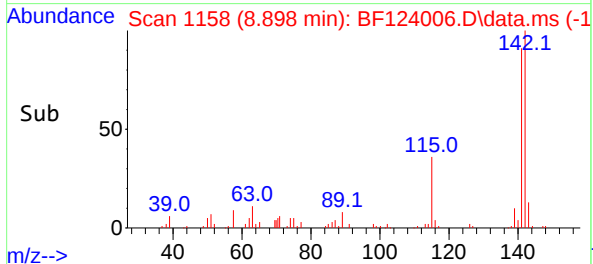
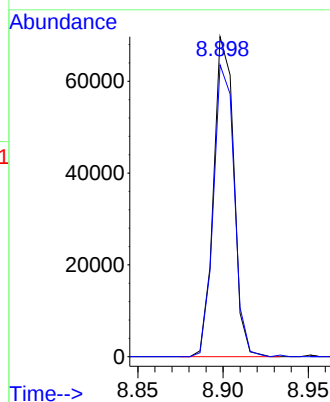
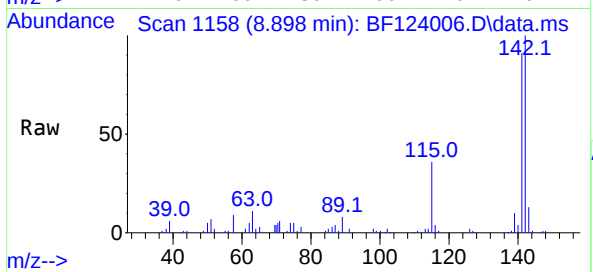
#37
2-Methylnaphthalene
Concen: 6.40 ng
RT: 8.898 min Scan# 1158
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:142 Resp: 57494
Ion Ratio Lower Upper
142 100
141 91.2 71.8 107.6

Instrument :
BNA_F
ClientSampled :
TP-4

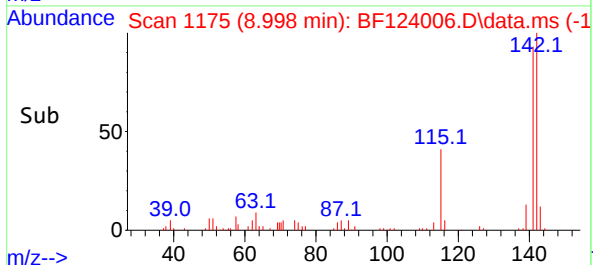
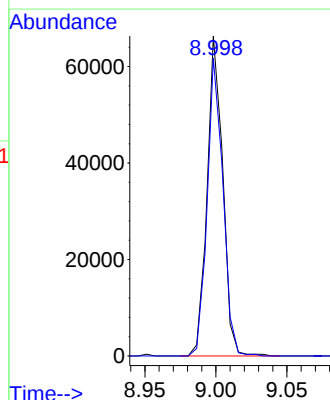
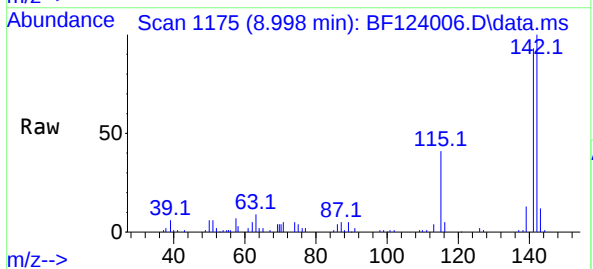
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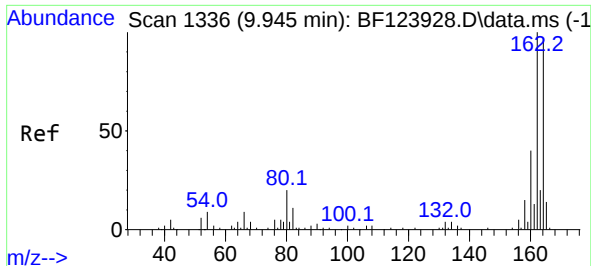
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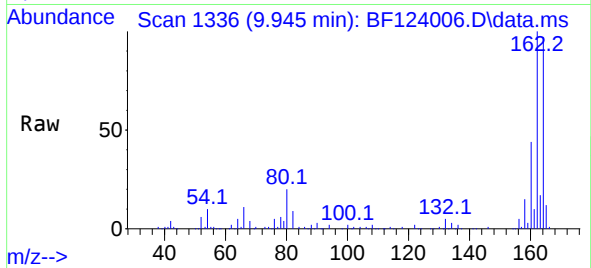
#38
1-Methylnaphthalene
Concen: 6.07 ng
RT: 8.998 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:142 Resp: 50882
Ion Ratio Lower Upper
142 100
141 93.1 72.8 109.2

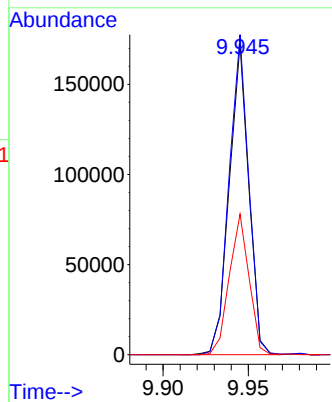
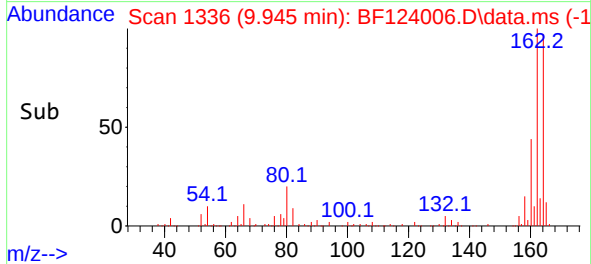




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31



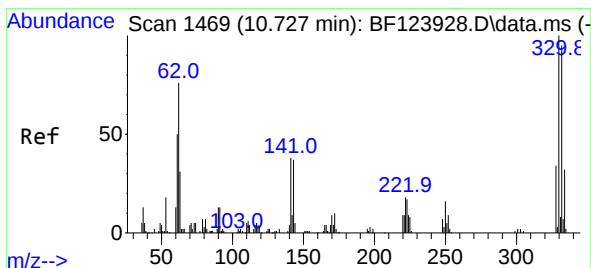
Tgt Ion:164 Resp: 137801
Ion Ratio Lower Upper
164 100
162 102.8 80.7 121.1
160 45.2 37.3 55.9



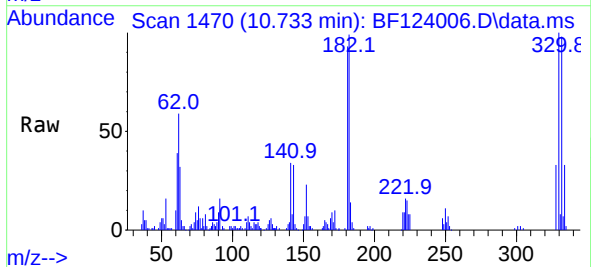
Instrument :
BNA_F
ClientSampled :
TP-4

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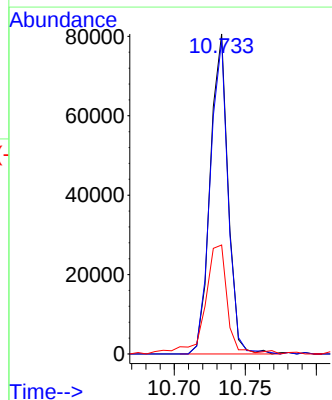
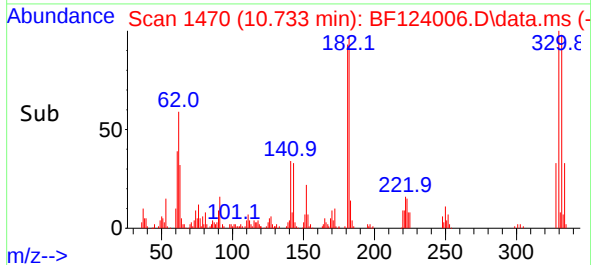
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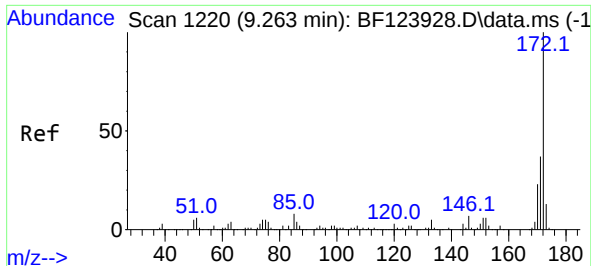


#42
2,4,6-Tribromophenol
Concen: 42.60 ng
RT: 10.733 min Scan# 1470
Delta R.T. 0.006 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31



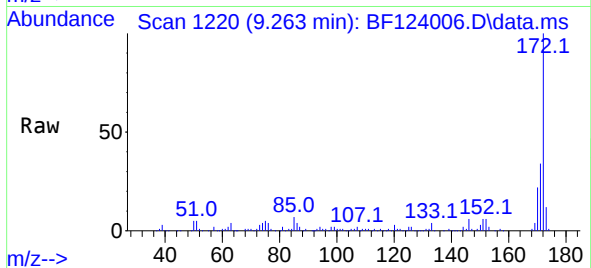
Tgt Ion:330 Resp: 70500
Ion Ratio Lower Upper
330 100
332 98.3 77.1 115.7
141 43.2 27.9 41.9#





#45
2-Fluorobiphenyl
Concen: 24.64 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

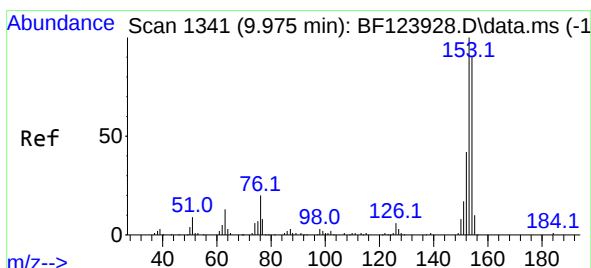
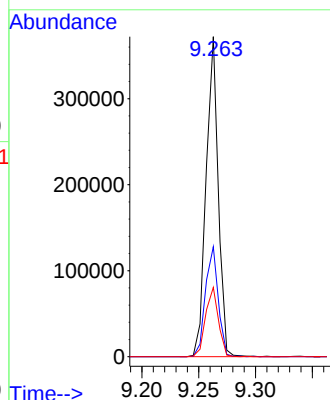
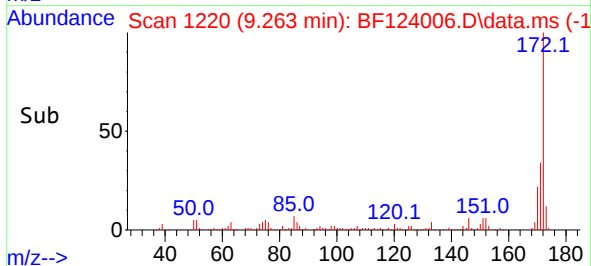
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BNA_F
ClientSampled :
TP-4



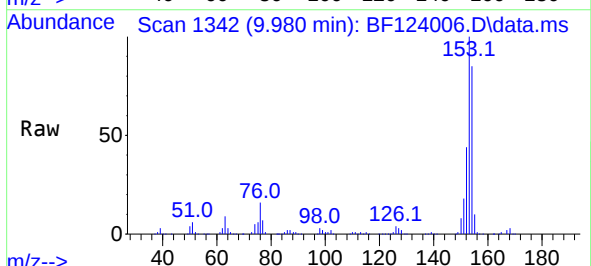
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Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 21.6 19.2 28.8

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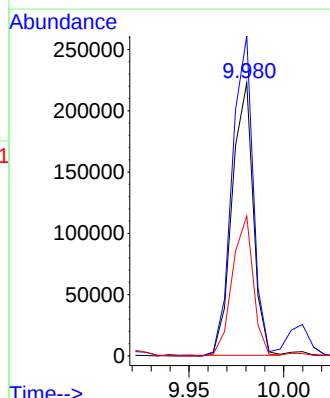
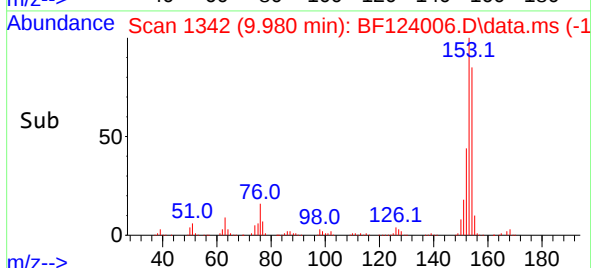
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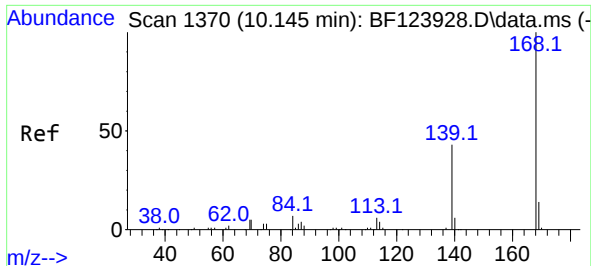


#52
Acenaphthene
Concen: 17.59 ng
RT: 9.980 min Scan# 1342
Delta R.T. 0.006 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31



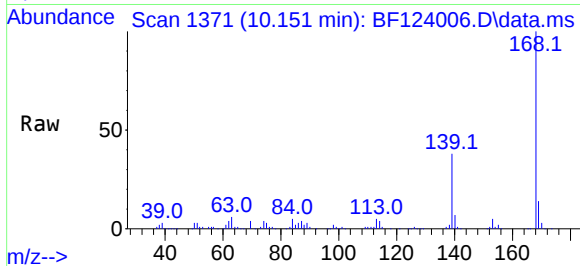
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Ion Ratio Lower Upper
154 100
153 117.1 88.1 132.1
152 51.2 43.4 65.0





#55
Dibenzenofuran
Concen: 15.11 ng
RT: 10.151 min Scan# 1371
Delta R.T. 0.006 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

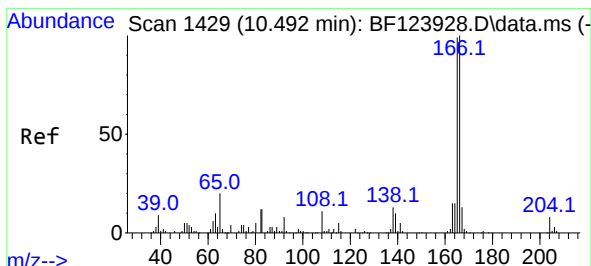
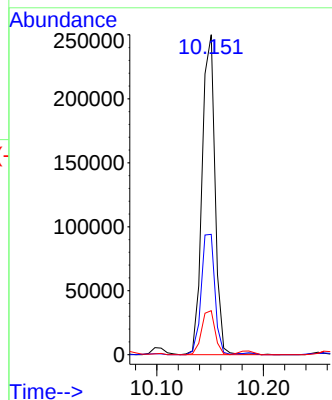
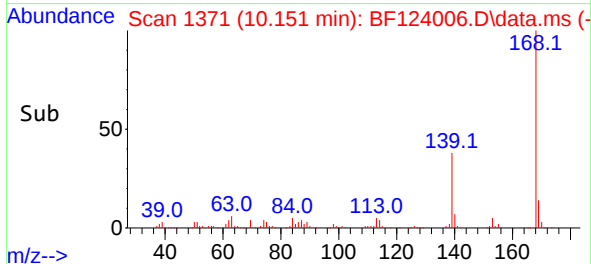
Instrument :
BNA_F
ClientSampled :
TP-4



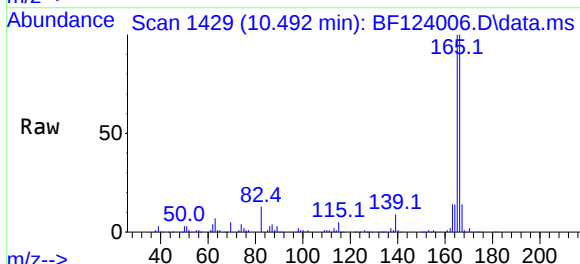
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Ion Ratio Lower Upper
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139 37.6 33.2 49.8
169 13.8 10.8 16.2

Manual Integrations
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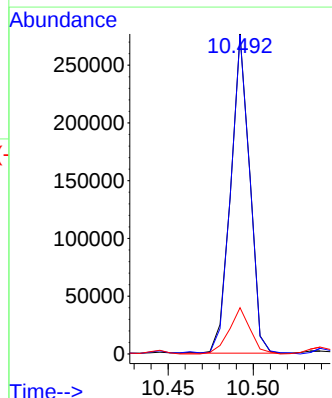
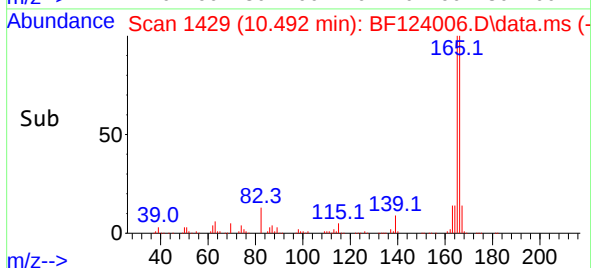
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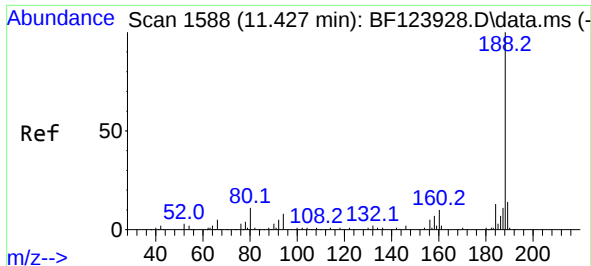


#58
Fluorene
Concen: 20.31 ng
RT: 10.492 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31



Tgt Ion:166 Resp: 214335
Ion Ratio Lower Upper
166 100
165 99.7 73.5 110.3
167 14.5 10.7 16.1





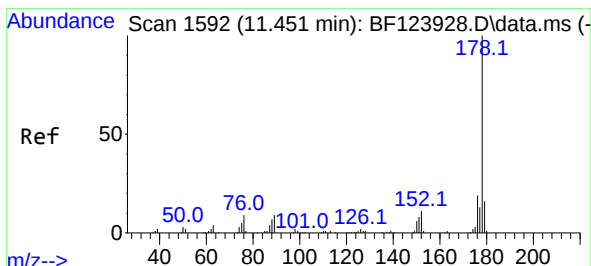
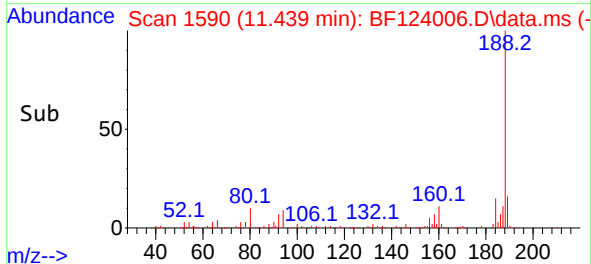
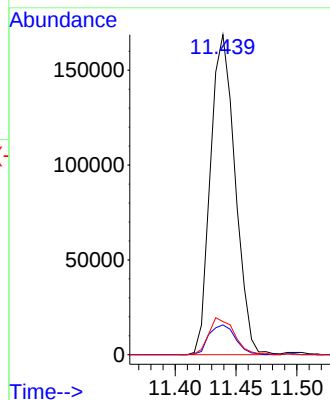
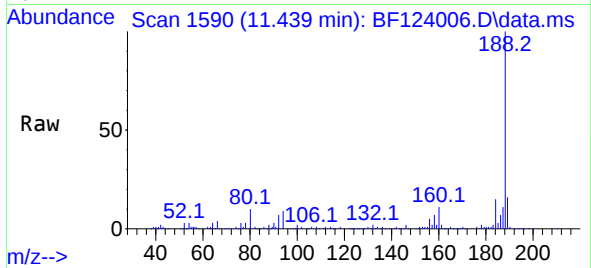
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.012 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Instrument :
BNA_F
ClientSampled :
TP-4

Tgt Ion:188 Resp: 238483
Ion Ratio Lower Upper
188 100
94 9.3 6.9 10.3
80 10.3 8.2 12.2

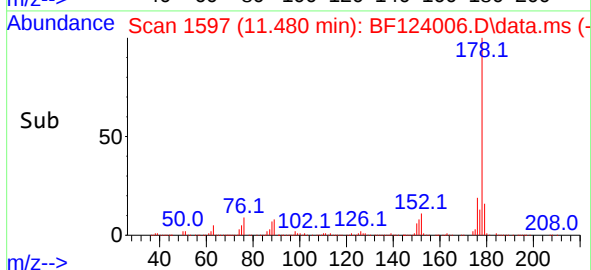
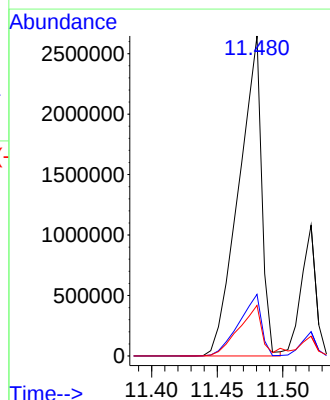
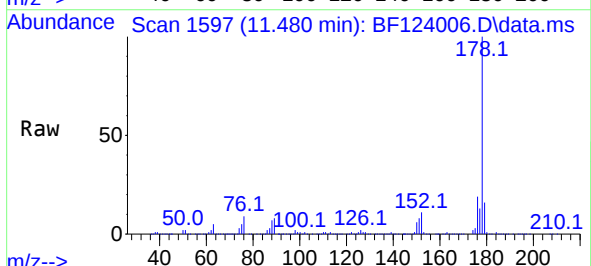
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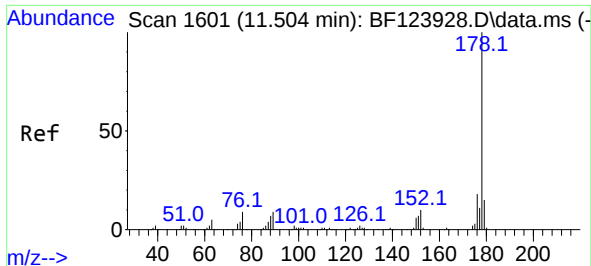
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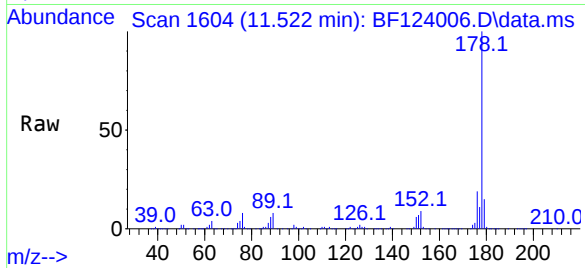
#71
Phenanthrene
Concen: 212.54 ng
RT: 11.480 min Scan# 1597
Delta R.T. 0.029 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:178 Resp: 3212404
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.8 12.5 18.7

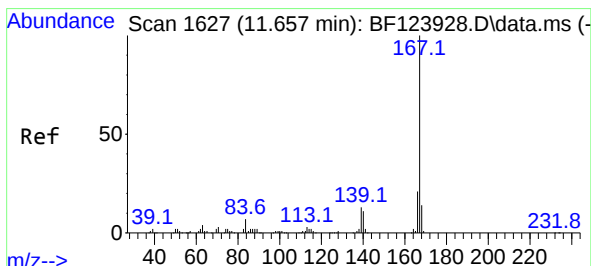
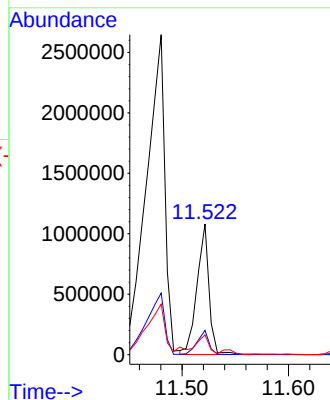
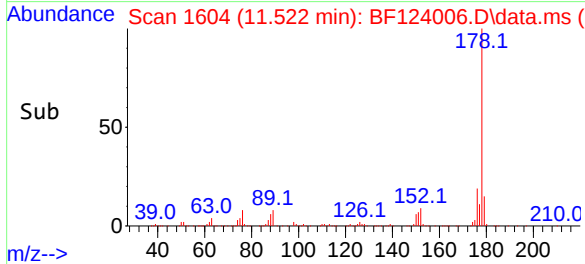




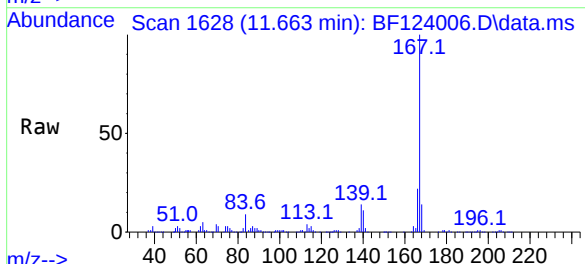
#72
 Anthracene
 Concen: 55.49 ng
 RT: 11.522 min Scan# 1604
 Delta R.T. 0.018 min
 Lab File: BF124006.D
 Acq: 20 May 2021 13:31



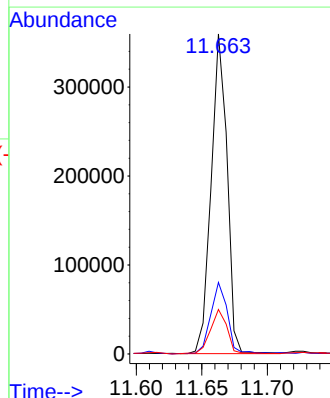
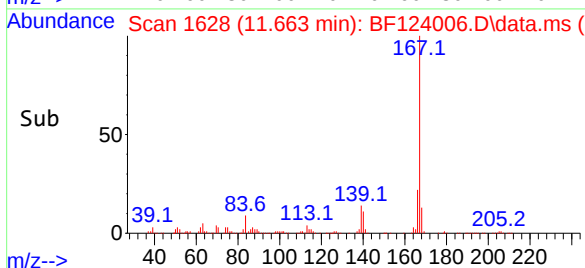
Tgt Ion:178 Resp: 849832
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.0
 179 15.2 12.6 18.8



#73
 Carbazole
 Concen: 22.67 ng
 RT: 11.663 min Scan# 1628
 Delta R.T. 0.006 min
 Lab File: BF124006.D
 Acq: 20 May 2021 13:31



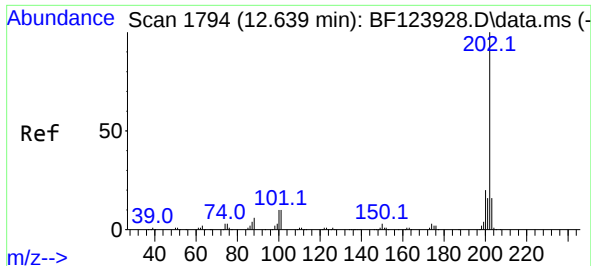
Tgt Ion:167 Resp: 303739
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.0 25.6
 139 13.9 10.4 15.6



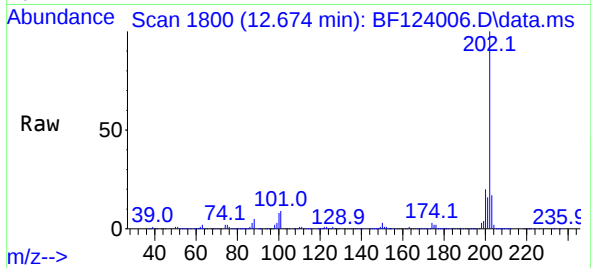
Instrument :
 BNA_F
 ClientSampled :
 TP-4

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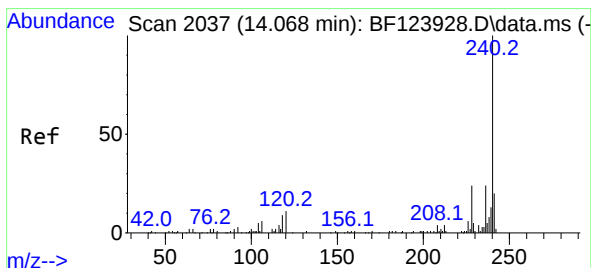
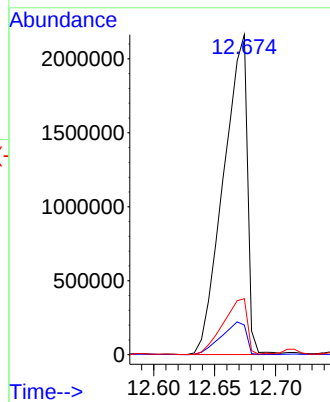
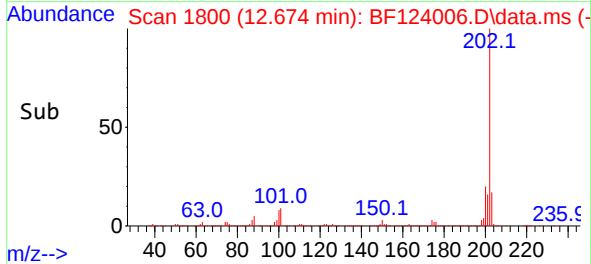
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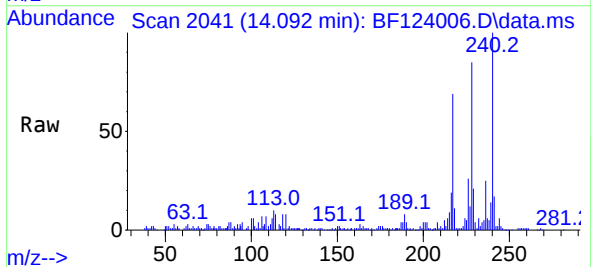
#75
Fluoranthene
Concen: 188.07 ng
RT: 12.674 min Scan# 1800
Delta R.T. 0.035 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31



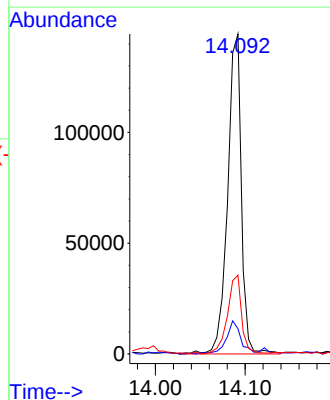
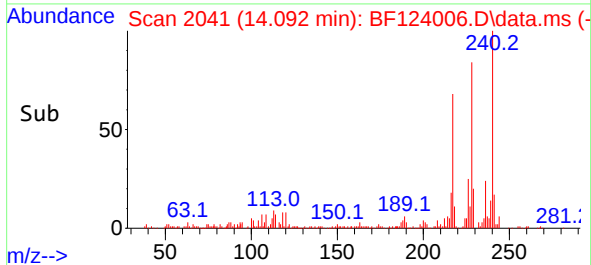
Tgt Ion:202 Resp: 2943330
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.9
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.092 min Scan# 2041
Delta R.T. 0.024 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31



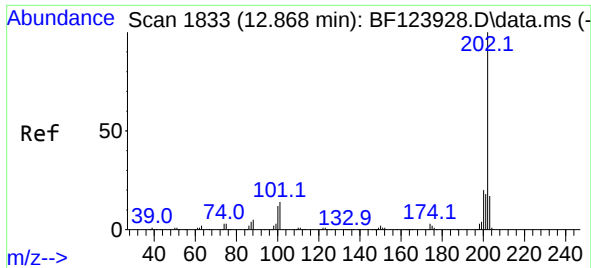
Tgt Ion:240 Resp: 153968
Ion Ratio Lower Upper
240 100
120 7.9 7.2 10.8
236 24.6 19.0 28.4



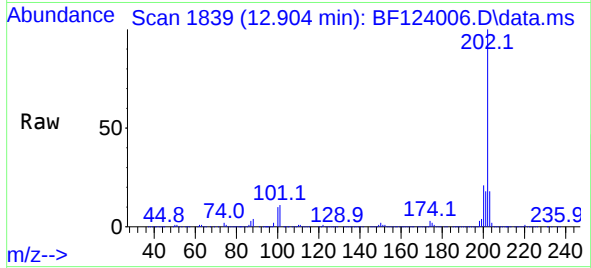
Instrument :
BNA_F
ClientSampled :
TP-4

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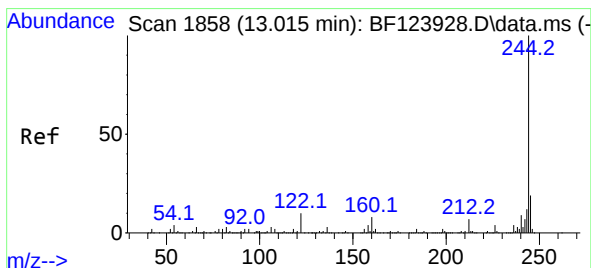
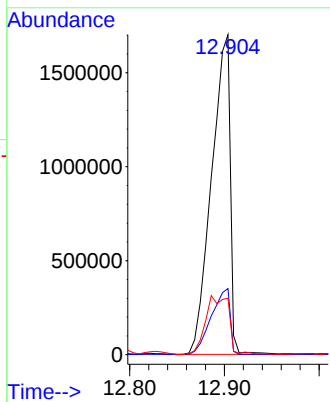
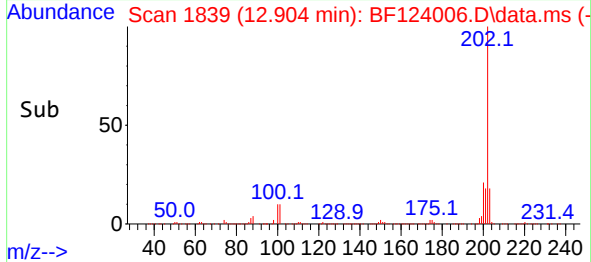
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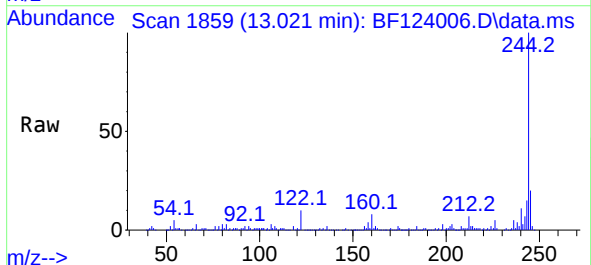
#78
Pyrene
Concen: 170.52 ng
RT: 12.904 min Scan# 1839
Delta R.T. 0.035 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31



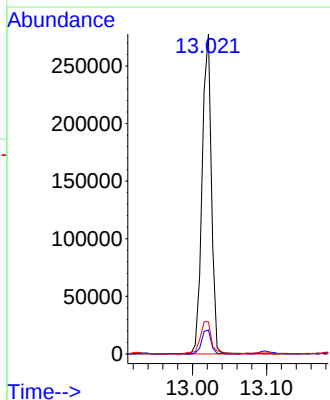
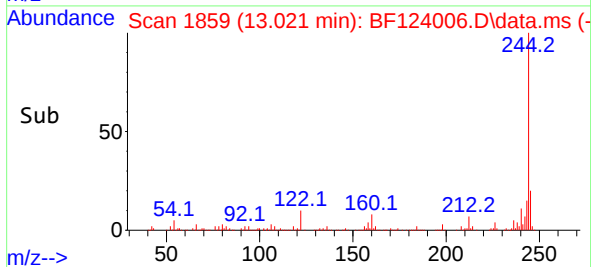
Tgt Ion:202 Resp: 2330838
Ion Ratio Lower Upper
202 100
200 20.6 16.1 24.1
203 17.7 14.8 22.2



#79
Terphenyl-d14
Concen: 23.87 ng
RT: 13.021 min Scan# 1859
Delta R.T. 0.006 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31



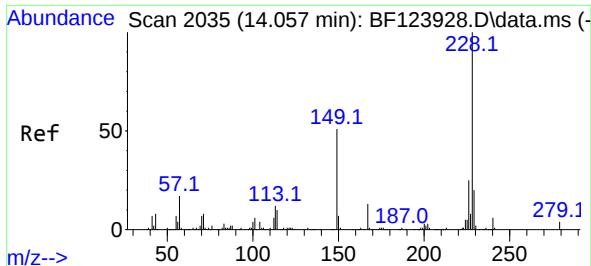
Tgt Ion:244 Resp: 242637
Ion Ratio Lower Upper
244 100
212 7.5 5.7 8.5
122 10.1 9.7 14.5



Instrument :
BNA_F
ClientSampled :
TP-4

Manual Integrations
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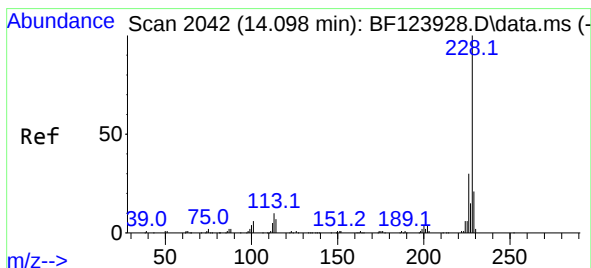
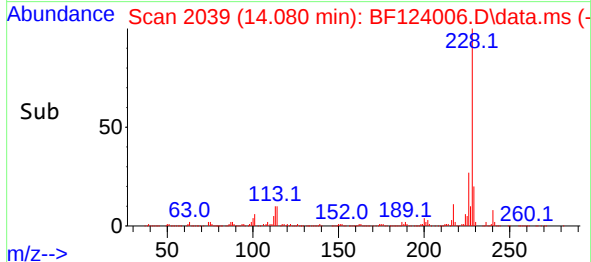
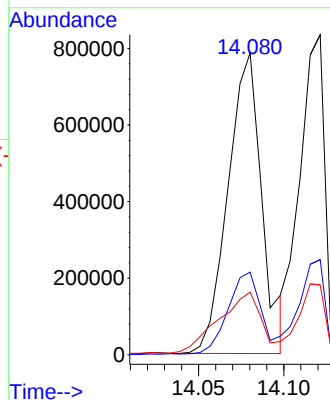
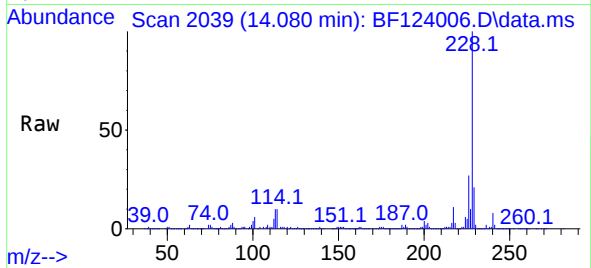
#81
Benzo(a)anthracene
Concen: 97.24 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.024 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:228 Resp: 1082835
Ion Ratio Lower Upper
228 100
226 27.3 22.4 33.6
229 20.7 16.0 24.0

Instrument :
BNA_F
ClientSampled :
TP-4

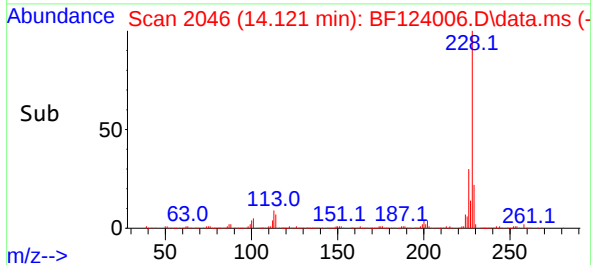
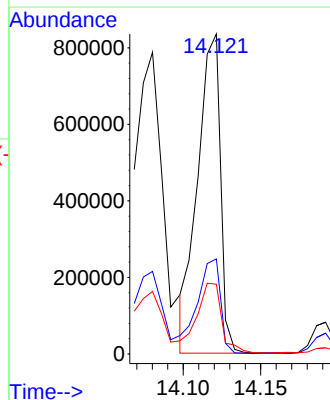
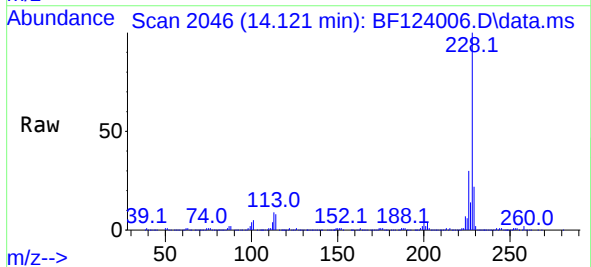
Manual Integrations
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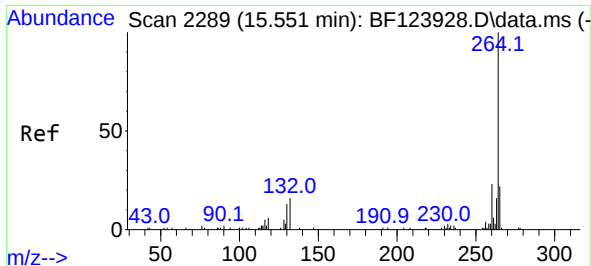
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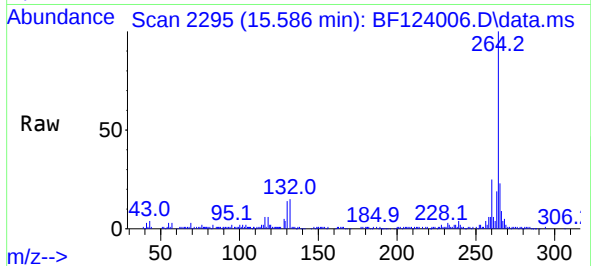
#83
Chrysene
Concen: 79.76 ng
RT: 14.121 min Scan# 2046
Delta R.T. 0.024 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:228 Resp: 854260
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 21.8 16.2 24.2

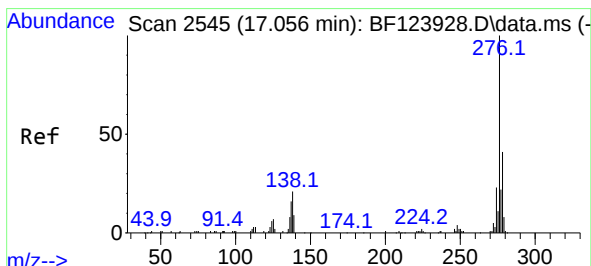
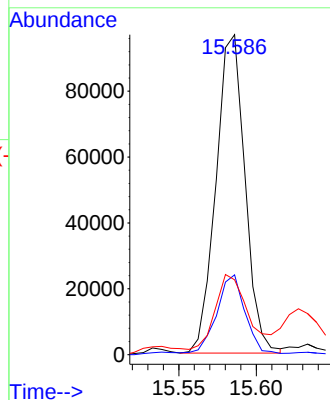
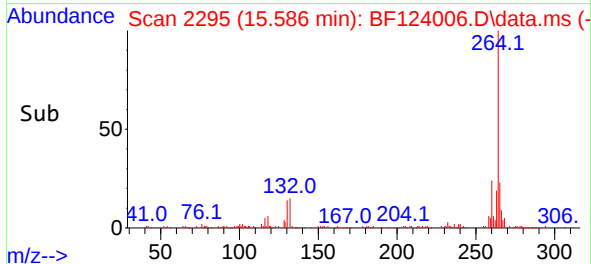




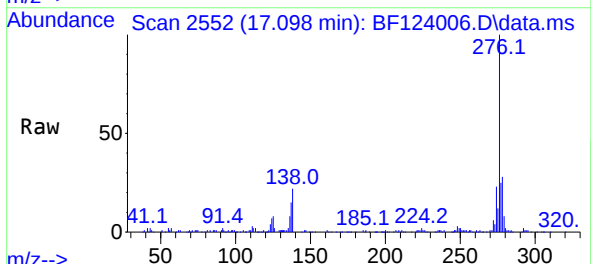
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.586 min Scan# 2295
Delta R.T. 0.035 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31



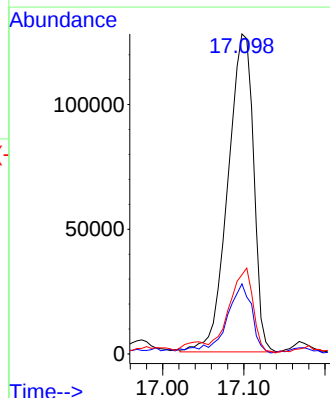
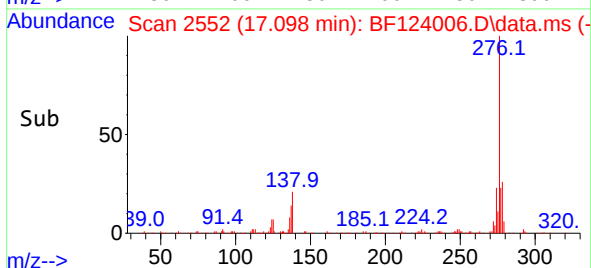
Tgt Ion: 264 Resp: 126054
Ion Ratio Lower Upper
264 100
260 24.9 18.7 28.1
265 23.4 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 28.74 ng
RT: 17.098 min Scan# 2552
Delta R.T. 0.041 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31



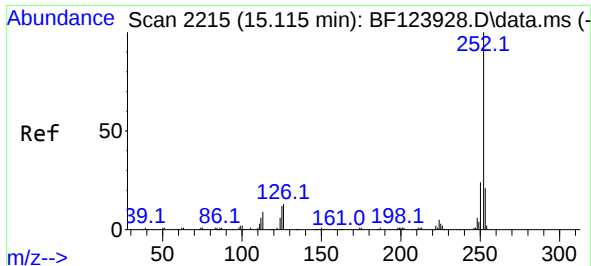
Tgt Ion: 276 Resp: 279738
Ion Ratio Lower Upper
276 100
138 21.7 16.2 24.2
277 24.7 20.1 30.1



Instrument :
BNA_F
ClientSampled :
TP-4

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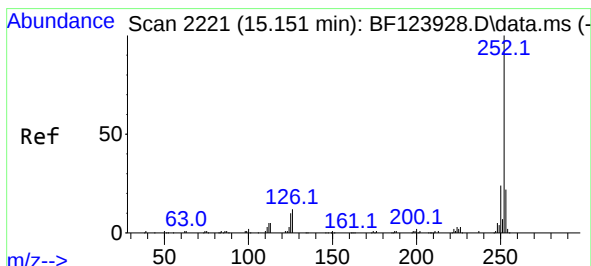
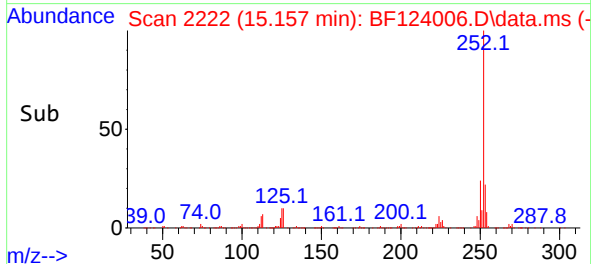
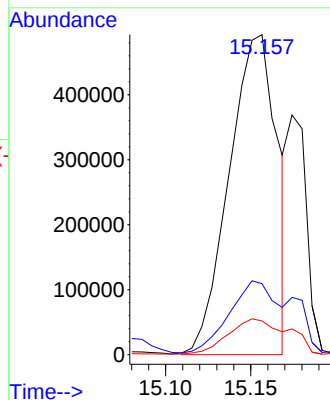
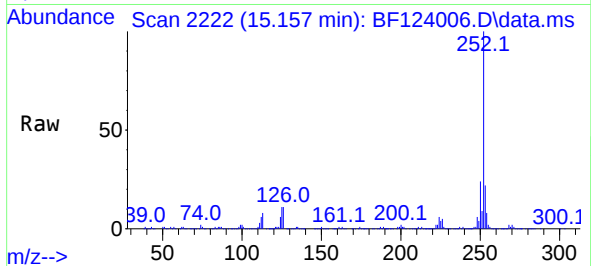
#88
Benzo(b)fluoranthene
Concen: 99.01 ng m
RT: 15.157 min Scan# 2222
Delta R.T. 0.041 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:252 Resp: 965443
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 10.6 6.2 9.4#

Instrument :
BNA_F
ClientSampled :
TP-4

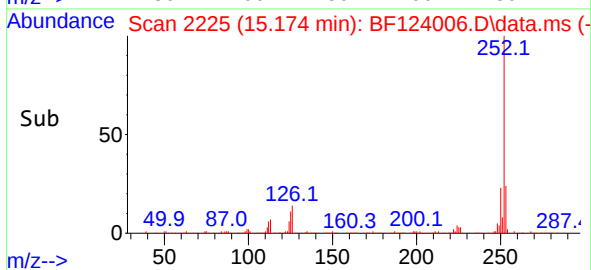
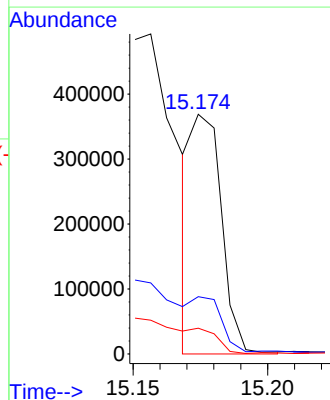
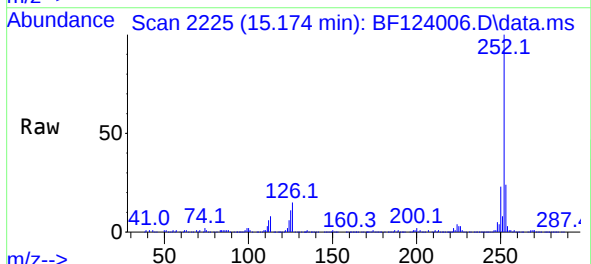
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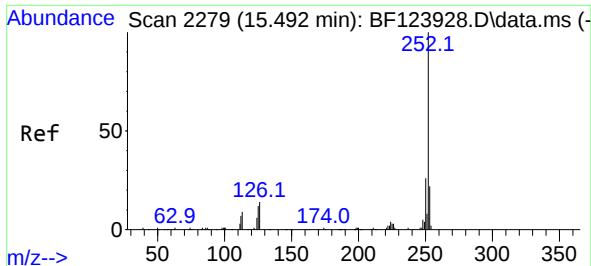
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#89
Benzo(k)fluoranthene
Concen: 31.95 ng m
RT: 15.174 min Scan# 2225
Delta R.T. 0.024 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:252 Resp: 283953
Ion Ratio Lower Upper
252 100
253 23.9 17.9 26.9
125 10.7 7.0 10.6#





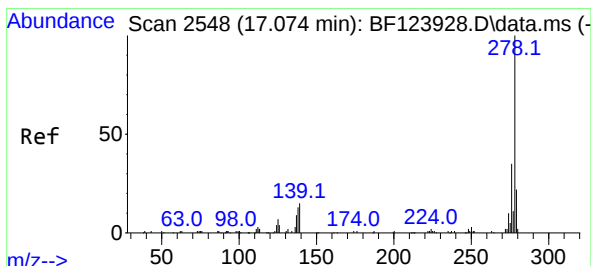
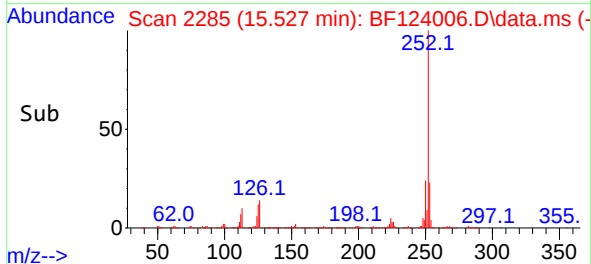
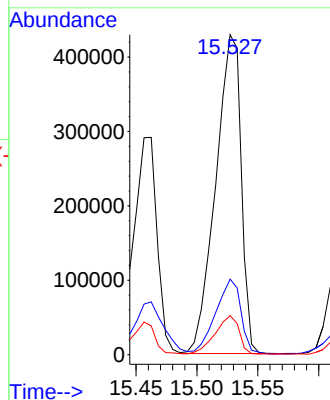
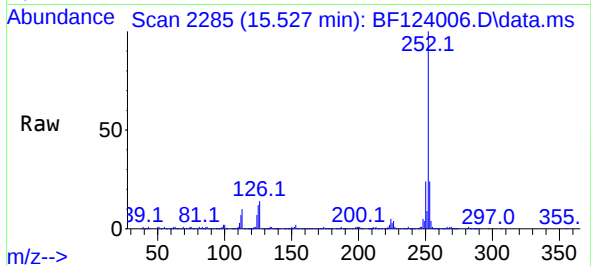
#90
Benzo(a)pyrene
Concen: 74.01 ng
RT: 15.527 min Scan# 2285
Delta R.T. 0.035 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:252 Resp: 623858
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 12.2 8.0 12.0#

Instrument :
BNA_F
ClientSampled :
TP-4

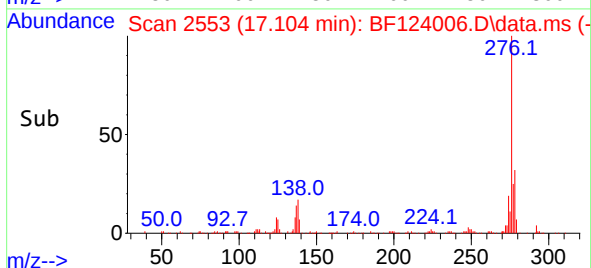
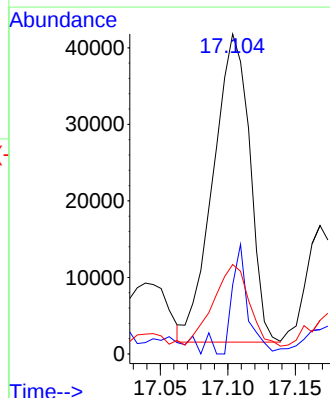
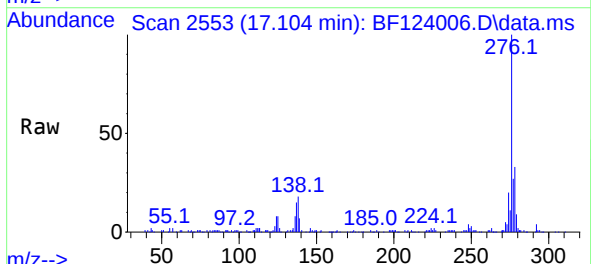
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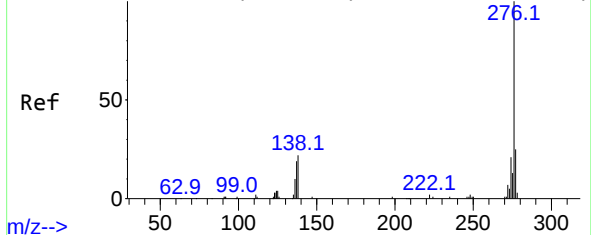


#91
Dibenzo(a,h)anthracene
Concen: 9.23 ng m
RT: 17.104 min Scan# 2553
Delta R.T. 0.029 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

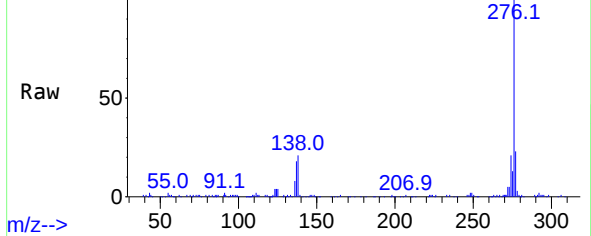
Tgt Ion:278 Resp: 75696
Ion Ratio Lower Upper
278 100
139 21.6 10.2 15.2#
279 28.0 19.4 29.0



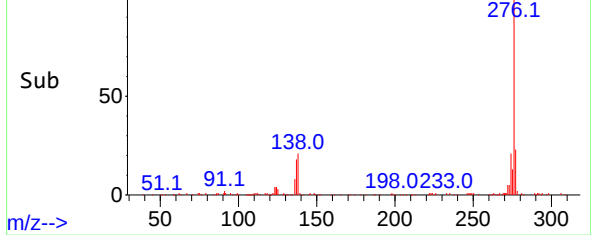
Abundance Scan 2622 (17.509 min): BF123928.D\data.ms (-



m/z--> Abundance Scan 2630 (17.556 min): BF124006.D\data.ms



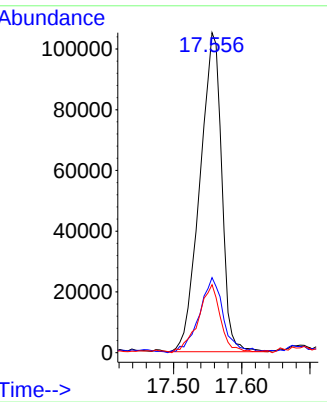
m/z--> Abundance Scan 2630 (17.556 min): BF124006.D\data.ms (-



m/z-->

#92
Benzo(g,h,i)perylene
Concen: 28.40 ng
RT: 17.556 min Scan# 2630
Delta R.T. 0.047 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:	276	Resp:	233474
Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.2	27.2
138	21.3	13.8	20.6



Instrument :
BNA_F
ClientSampled :
TP-4

Manual Integrations
APPROVED

mohammad
5/21/2021 3:21:37 PM