

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062521\
 Data File : BF124451.D
 Acq On : 25 Jun 2021 14:33
 Operator : JU/CG
 Sample : M2812-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 356-349DL

Manual Integrations
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Quant Time: Jun 25 15:34:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 25 13:23:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.704	152	35477	20.000	ng	0.00
21) Naphthalene-d8	7.986	136	129190	20.000	ng	# 0.00
39) Acenaphthene-d10	9.739	164	69350	20.000	ng	0.00
64) Phenanthrene-d10	11.222	188	104105	20.000	ng	# 0.00
76) Chrysene-d12	13.863	240	90759	20.000	ng	0.00
86) Perylene-d12	15.286	264	84644	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	13559	6.011	ng	0.00
7) Phenol-d6	6.357	99	16517	5.608	ng	0.00
23) Nitrobenzene-d5	7.269	82	12675	4.068	ng	-0.01
42) 2,4,6-Tribromophenol	10.527	330	3731	4.503	ng	0.00
45) 2-Fluorobiphenyl	9.057	172	22213	3.924	ng	-0.01
79) Terphenyl-d14	12.804	244	23040	3.802	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.010	128	276746	36.411	ng	99
37) 2-Methylnaphthalene	8.698	142	122696	22.812	ng	97
38) 1-Methylnaphthalene	8.798	142	67973	13.587	ng	94
46) 1,1'-Biphenyl	9.163	154	39398	6.684	ng	96
52) Acenaphthene	9.769	154	97343	21.997	ng	98
55) Dibenzofuran	9.945	168	127916	18.136	ng	97
58) Fluorene	10.286	166	122538	22.610	ng	97
71) Phenanthrene	11.251	178	394517	60.116	ng	98
72) Anthracene	11.298	178	141682	21.668	ng	98
73) Carbazole	11.457	167	27475	4.821	ng	98
75) Fluoranthene	12.439	202	174809	26.470	ng	95
78) Pyrene	12.663	202	133876	16.160	ng	99
81) Benzo(a)anthracene	13.851	228	42099	6.434	ng	95
83) Chrysene	13.892	228	37415m	5.770	ng	
88) Benzo(b)fluoranthene	14.886	252	33067m	5.155	ng	
89) Benzo(k)fluoranthene	14.910	252	17303m	2.949	ng	
90) Benzo(a)pyrene	15.233	252	26146	4.587	ng	98

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

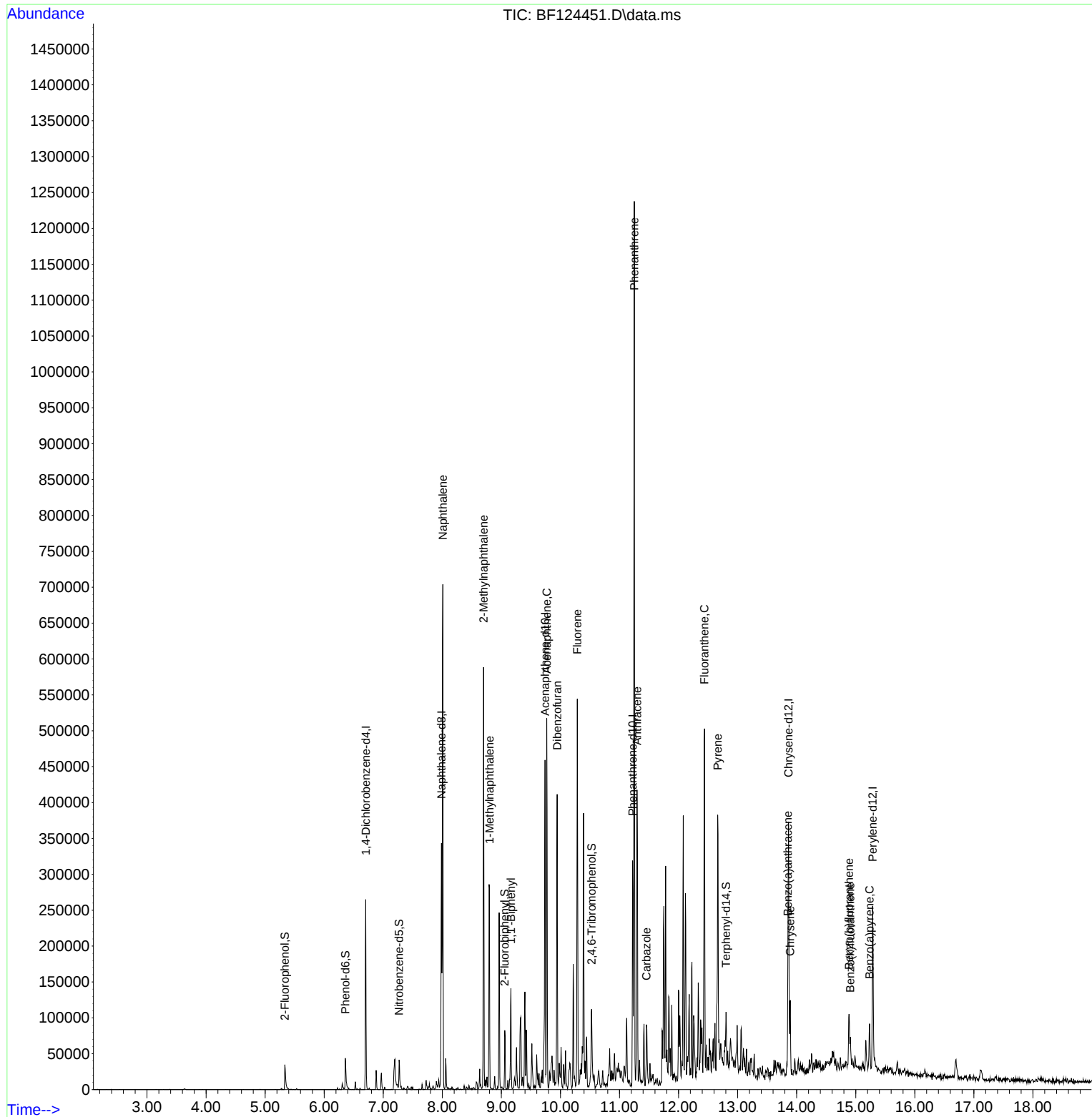
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062521\
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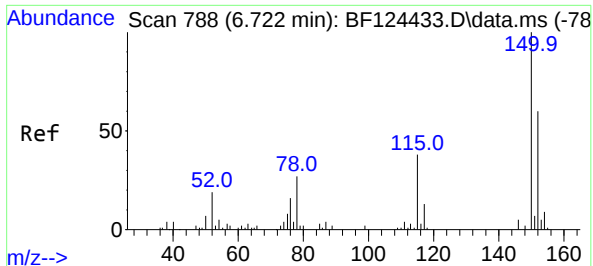
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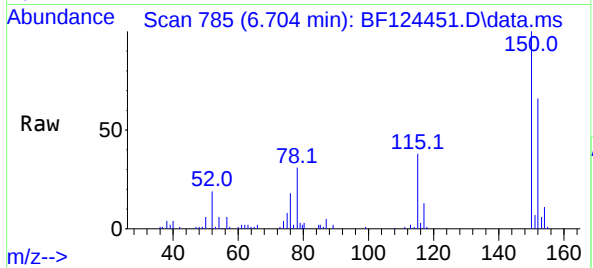
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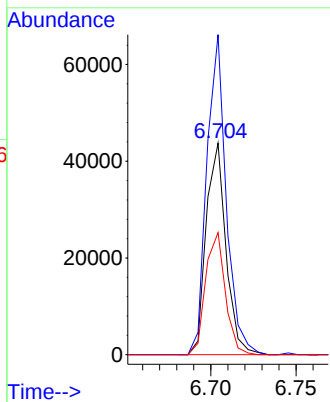
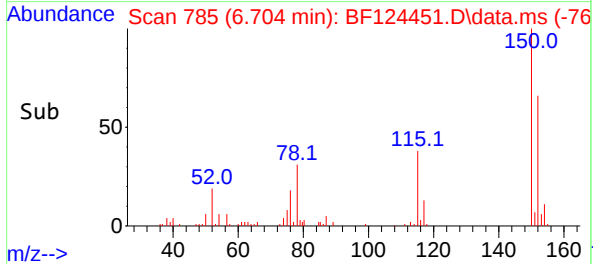




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.704 min Scan# 785
Delta R.T. 0.000 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33



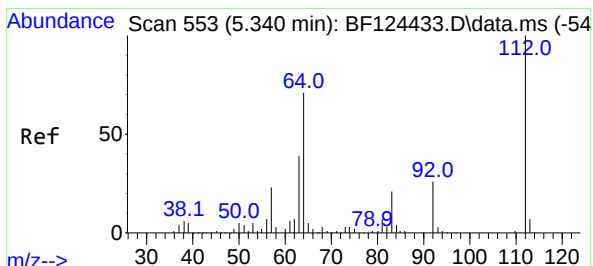
Tgt Ion:152 Resp: 35477
Ion Ratio Lower Upper
152 100
150 151.3 127.0 190.6
115 57.7 54.3 81.5



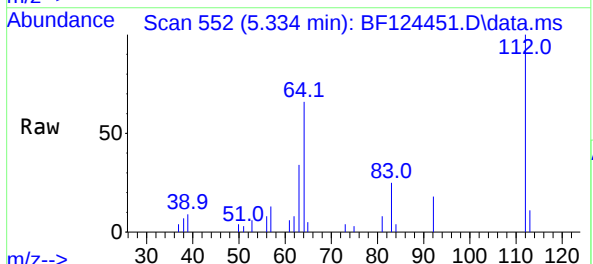
Instrument :
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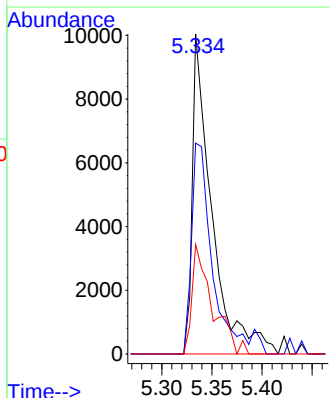
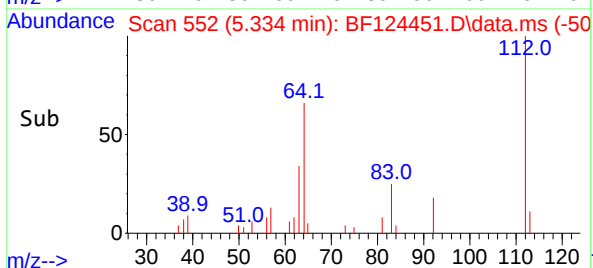
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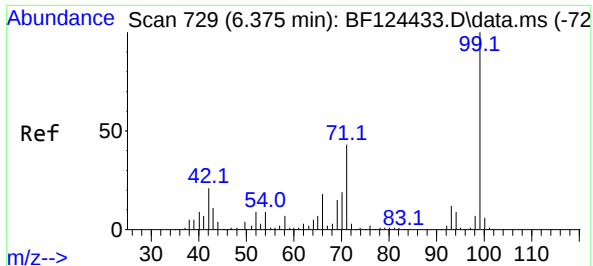


#5
2-Fluorophenol
Concen: 6.011 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33



Tgt Ion:112 Resp: 13559
Ion Ratio Lower Upper
112 100
64 65.9 61.4 92.0
63 34.2 33.0 49.4





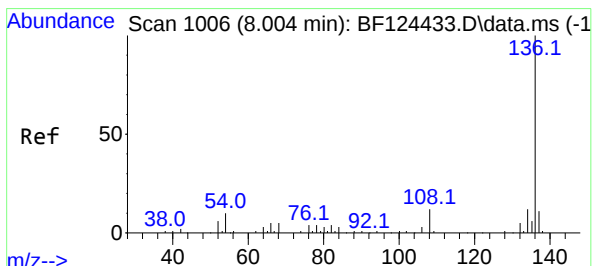
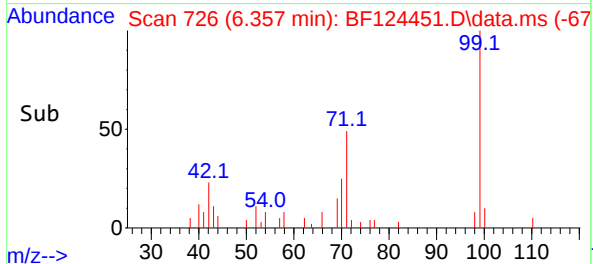
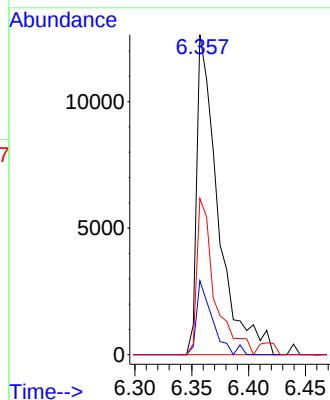
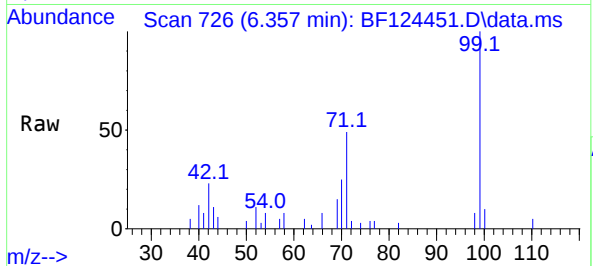
#7
Phenol-d6
Concen: 5.608 ng
RT: 6.357 min Scan# 726
Delta R.T. -0.006 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

Tgt Ion:	99	Resp:	16517
Ion	Ratio	Lower	Upper
99	100		
42	23.1	19.8	29.8
71	48.7	31.1	46.7#

Instrument :
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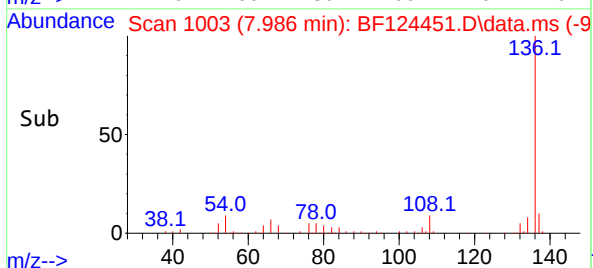
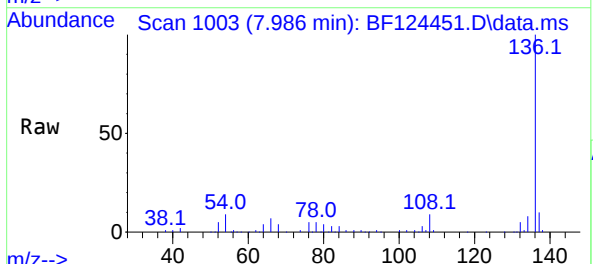
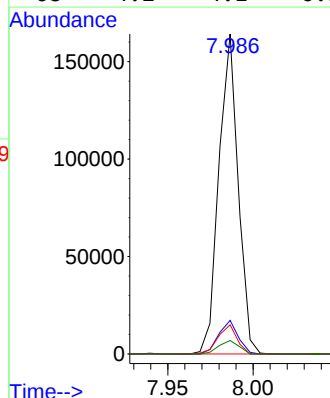
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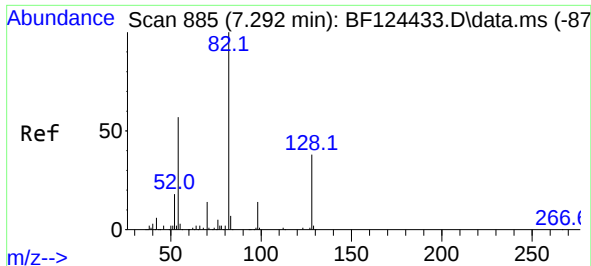
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.986 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

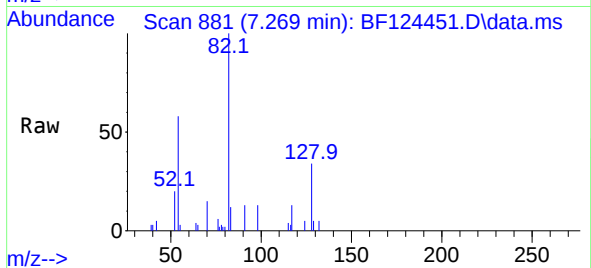
Tgt Ion:	136	Resp:	129190
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	9.1	9.8	14.6#
68	4.2	4.1	6.1





#23
Nitrobenzene-d5
Concen: 4.068 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

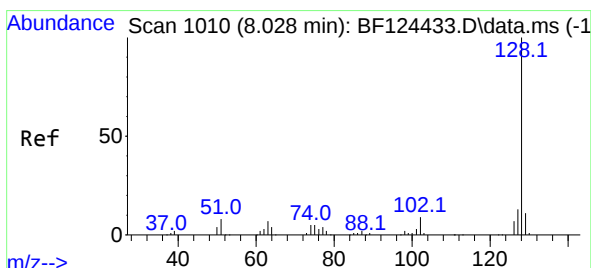
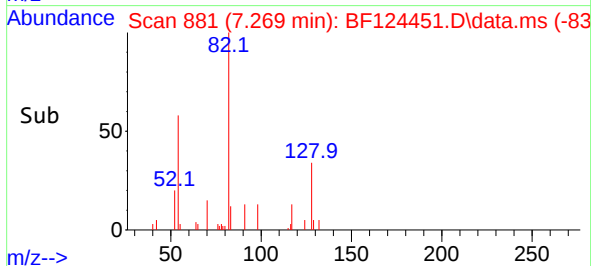
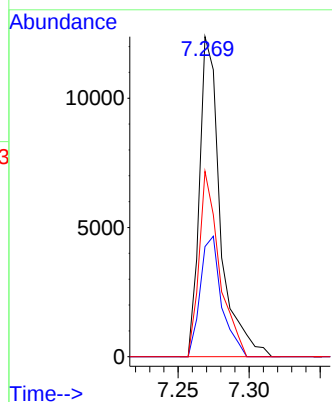
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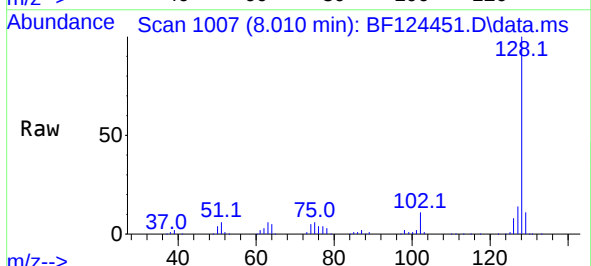
Tgt Ion: 82 Resp: 12675
Ion Ratio Lower Upper
82 100
128 34.4 29.4 44.2
54 57.9 54.1 81.1

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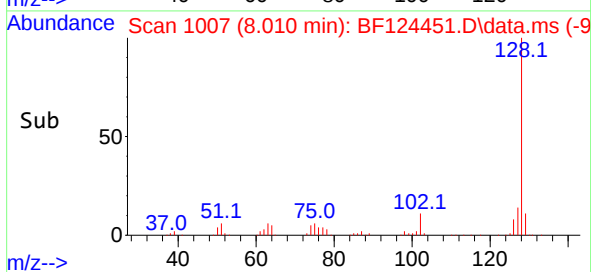
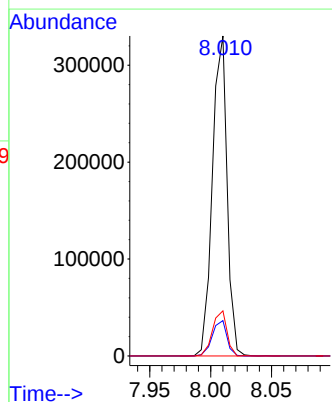
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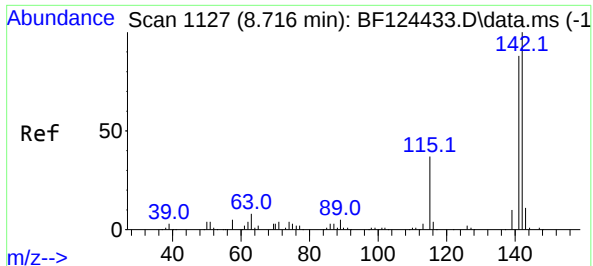


#31
Naphthalene
Concen: 36.411 ng
RT: 8.010 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33



Tgt Ion: 128 Resp: 276746
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 14.1 10.8 16.2





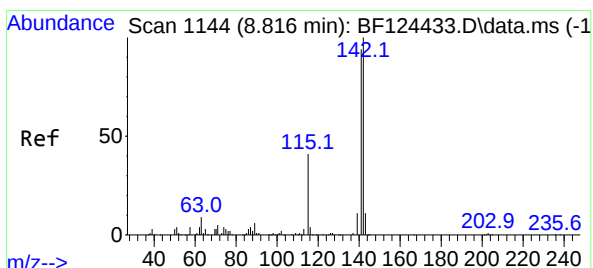
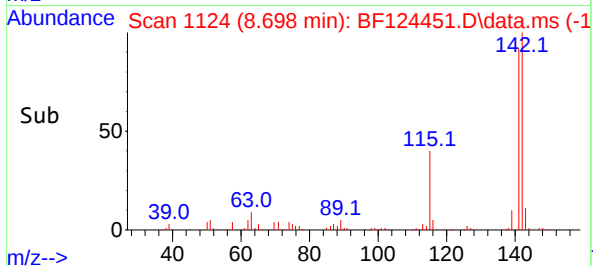
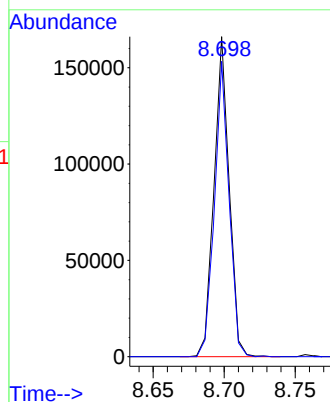
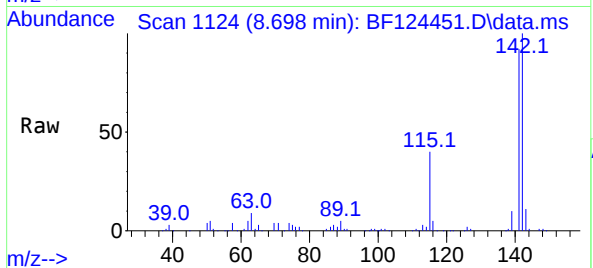
#37
2-Methylnaphthalene
Concen: 22.812 ng
RT: 8.698 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:142 Resp: 122696
Ion Ratio Lower Upper
142 100
141 92.3 71.8 107.6

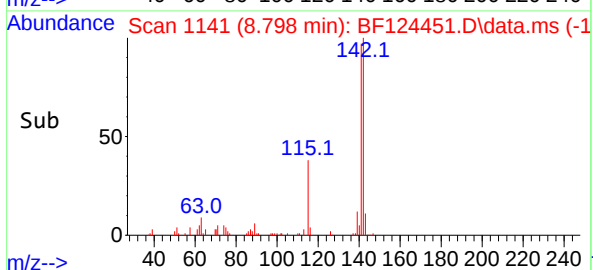
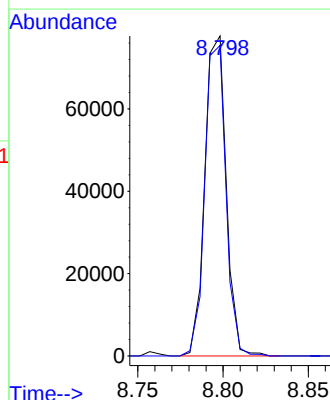
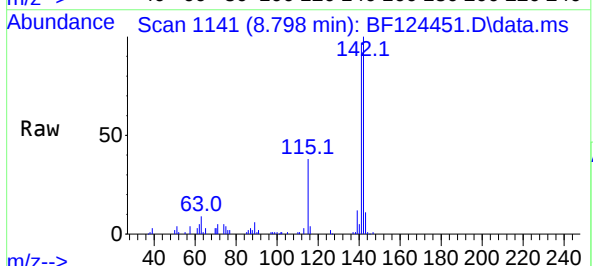
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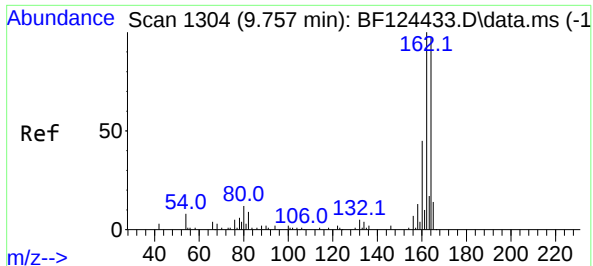
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#38
1-Methylnaphthalene
Concen: 13.587 ng
RT: 8.798 min Scan# 1141
Delta R.T. 0.000 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

Tgt Ion:142 Resp: 67973
Ion Ratio Lower Upper
142 100
141 97.1 72.8 109.2





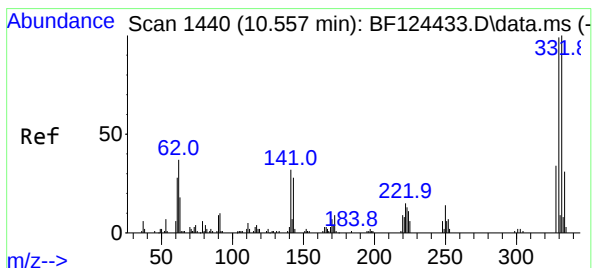
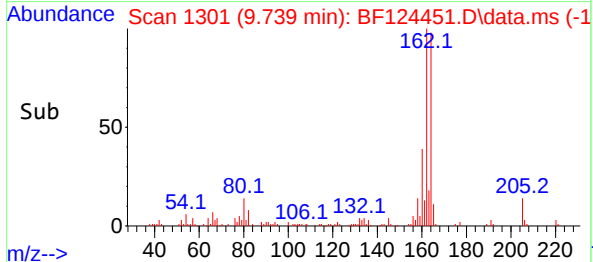
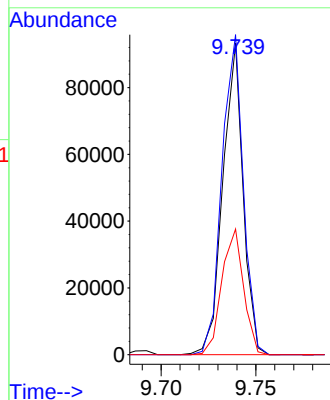
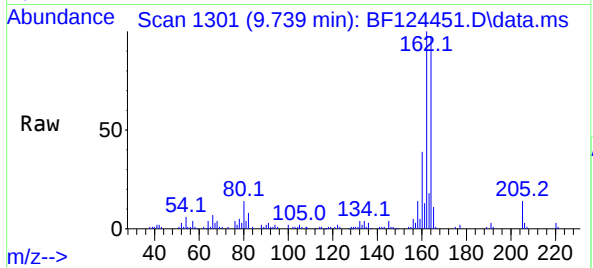
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.739 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

Tgt Ion:164 Resp: 69350
Ion Ratio Lower Upper
164 100
162 102.8 80.7 121.1
160 40.3 37.3 55.9

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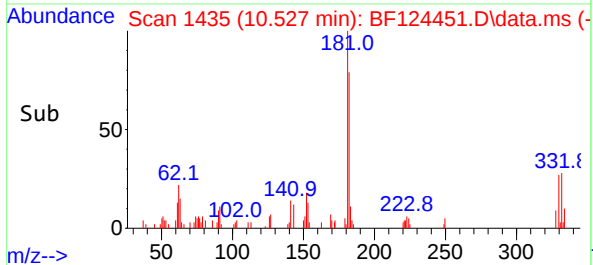
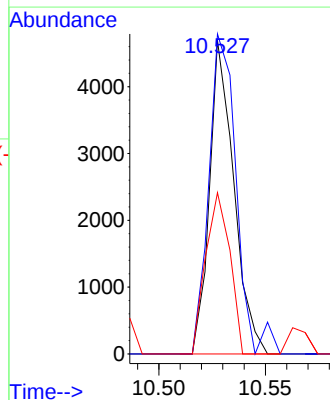
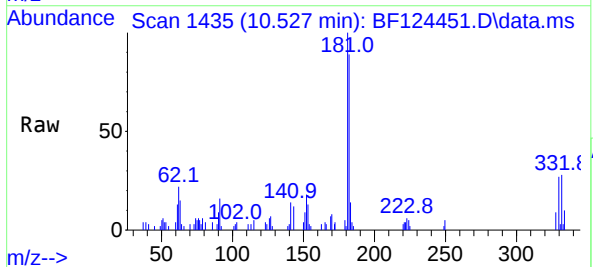
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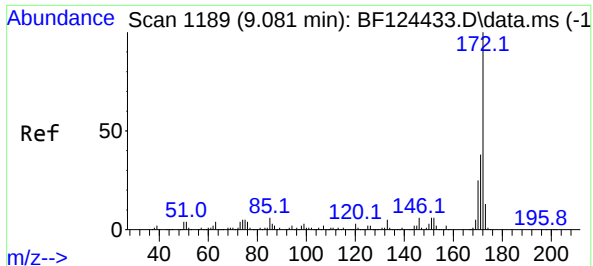
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#42
2,4,6-Tribromophenol
Concen: 4.503 ng
RT: 10.527 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

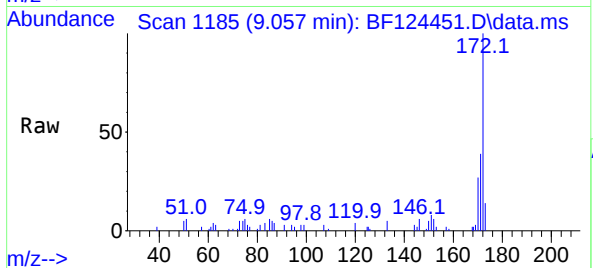
Tgt Ion:330 Resp: 3731
Ion Ratio Lower Upper
330 100
332 114.7 77.1 115.7
141 51.0 27.9 41.9#





#45
2-Fluorobiphenyl
Concen: 3.924 ng
RT: 9.057 min Scan# 1185
Delta R.T. -0.012 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

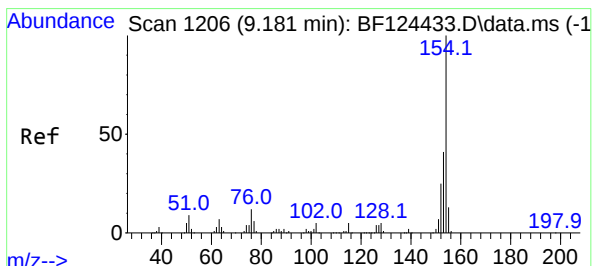
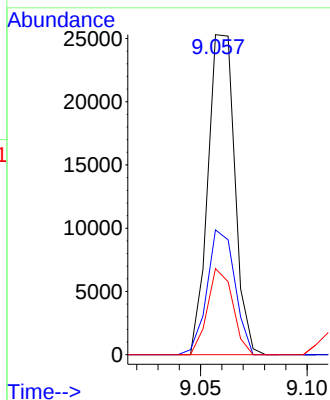
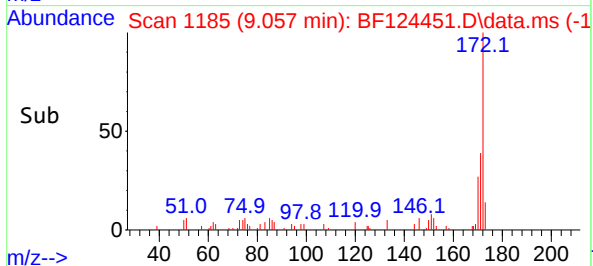
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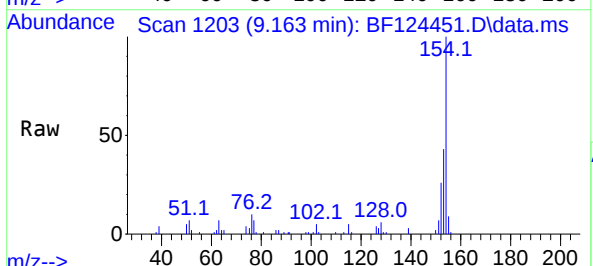
Tgt Ion:172 Resp: 22213
Ion Ratio Lower Upper
172 100
171 39.0 28.1 42.1
170 26.9 19.2 28.8

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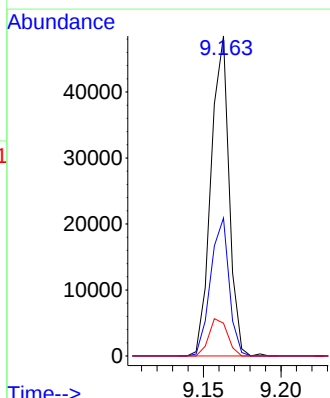
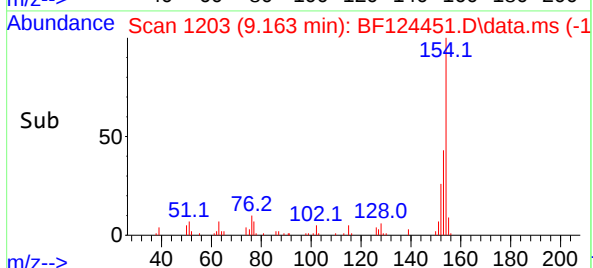
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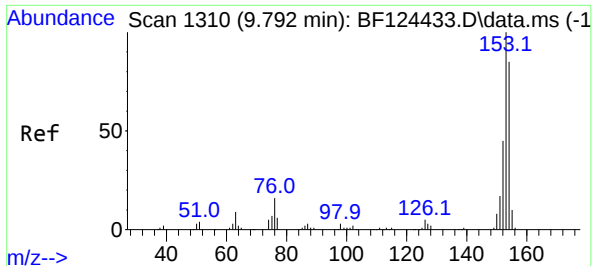


#46
1,1'-Biphenyl
Concen: 6.684 ng
RT: 9.163 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33



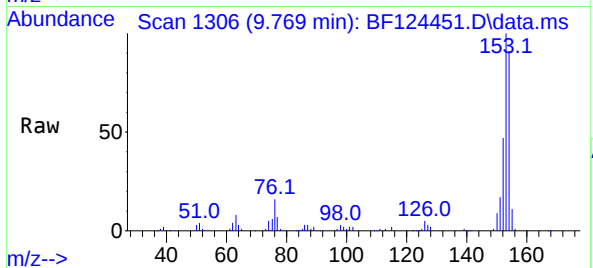
Tgt Ion:154 Resp: 39398
Ion Ratio Lower Upper
154 100
153 43.1 20.7 60.7
76 10.2 0.0 31.7





#52
Acenaphthene
Concen: 21.997 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

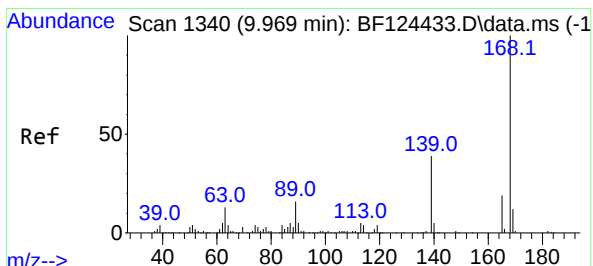
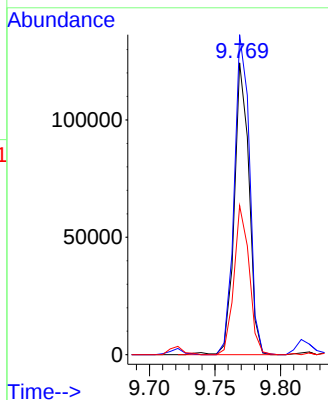
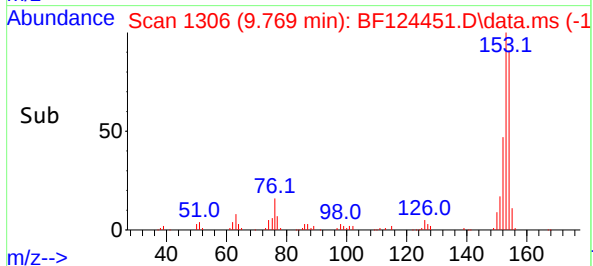
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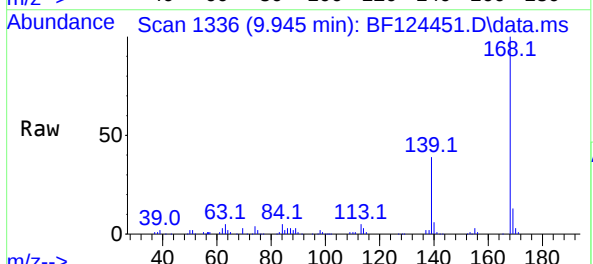
Tgt Ion:154 Resp: 97343
Ion Ratio Lower Upper
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153 109.6 88.1 132.1
152 51.0 43.4 65.0

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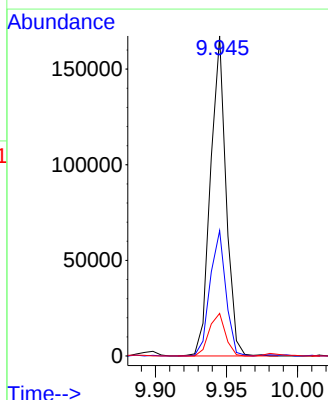
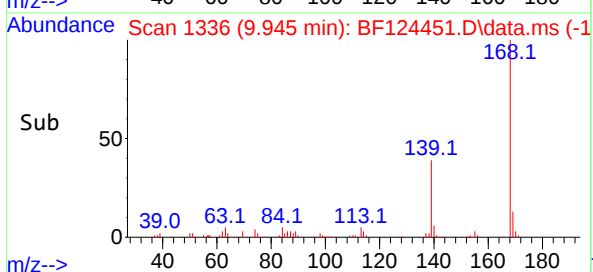
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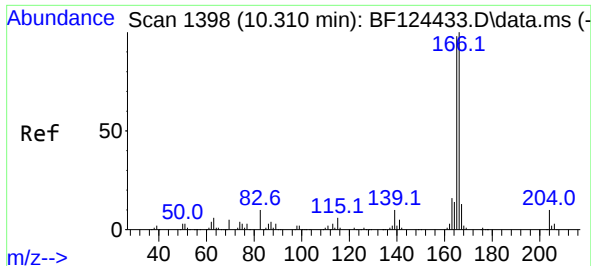


#55
Dibenzofuran
Concen: 18.136 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33



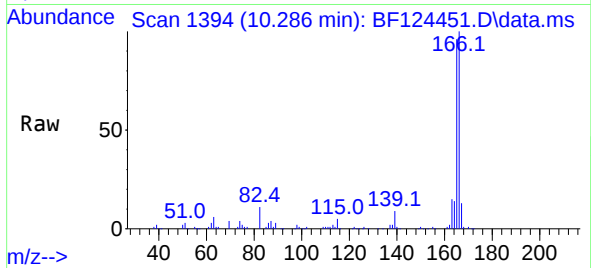
Tgt Ion:168 Resp: 127916
Ion Ratio Lower Upper
168 100
139 39.2 33.2 49.8
169 13.3 10.8 16.2





#58
Fluorene
Concen: 22.610 ng
RT: 10.286 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

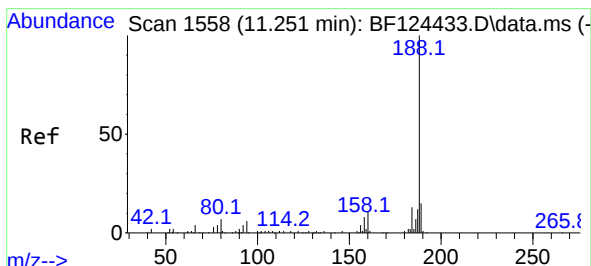
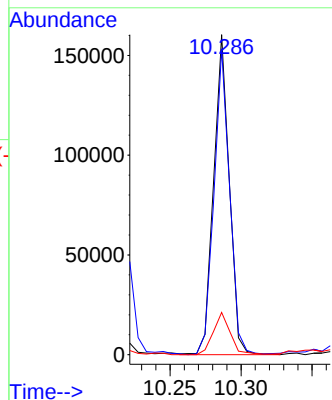
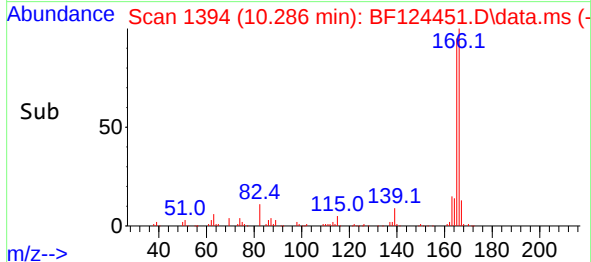
Instrument :
BNA_F
ClientSampleID :
356-349DL



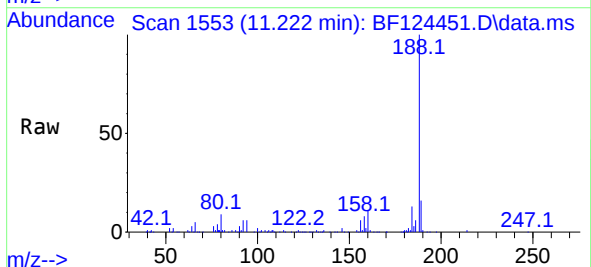
Tgt Ion:166 Resp: 122538
Ion Ratio Lower Upper
166 100
165 95.6 73.5 110.3
167 13.2 10.7 16.1

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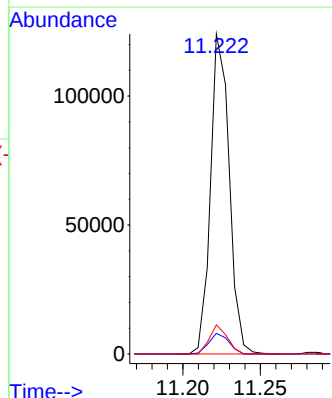
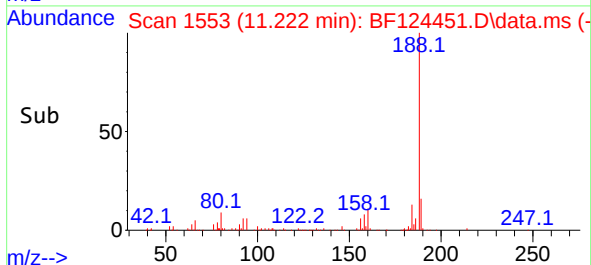
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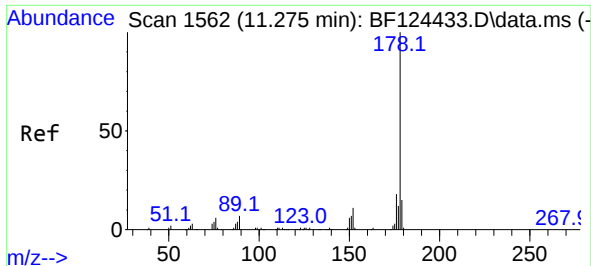


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.222 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33



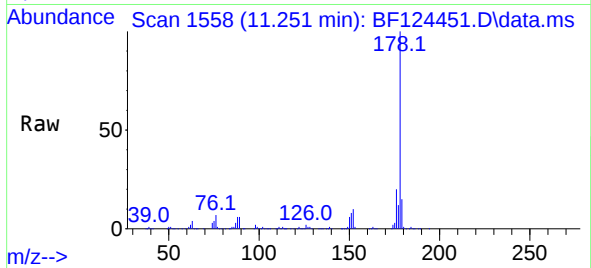
Tgt Ion:188 Resp: 104105
Ion Ratio Lower Upper
188 100
94 6.4 6.9 10.3#
80 9.1 8.2 12.2





#71
Phenanthrene
Concen: 60.116 ng
RT: 11.251 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

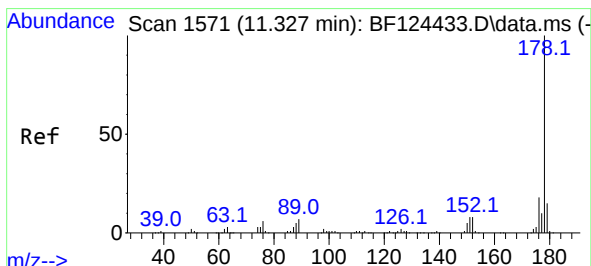
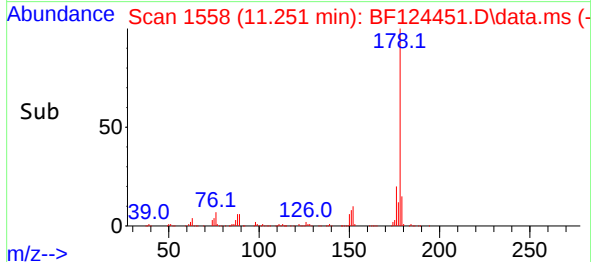
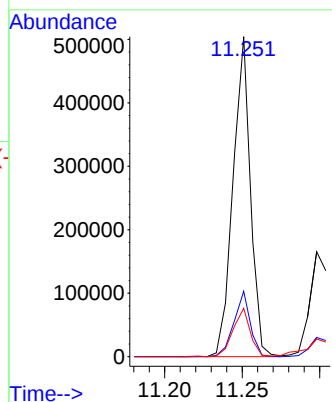
Instrument :
BNA_F
ClientSampleID :
356-349DL



Tgt Ion:178 Resp: 394517
Ion Ratio Lower Upper
178 100
176 20.5 15.6 23.4
179 15.1 12.5 18.7

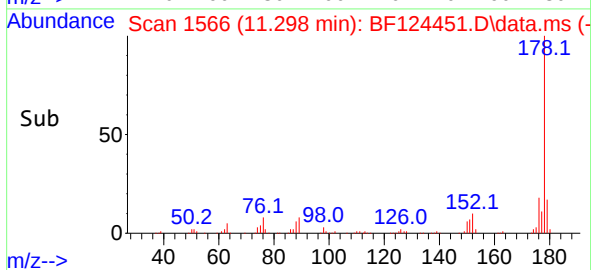
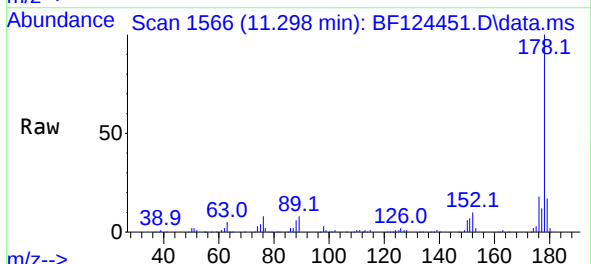
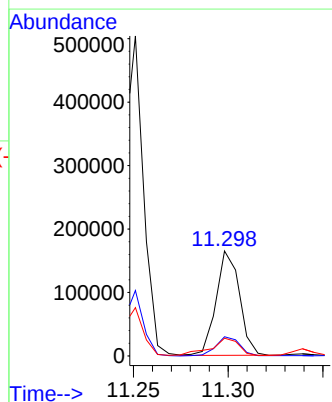
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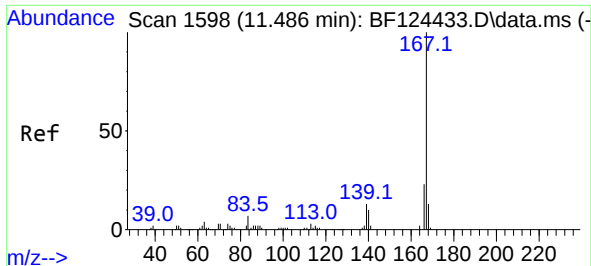
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#72
Anthracene
Concen: 21.668 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

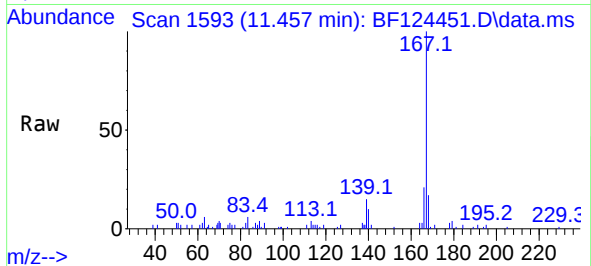
Tgt Ion:178 Resp: 141682
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 17.0 12.6 18.8





#73
Carbazole
Concen: 4.821 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

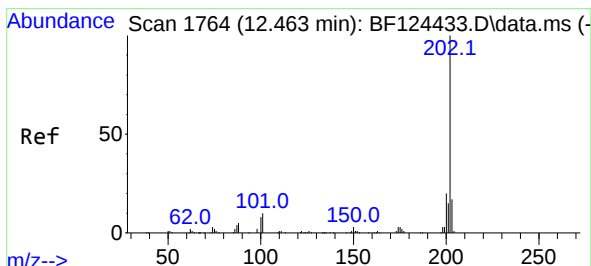
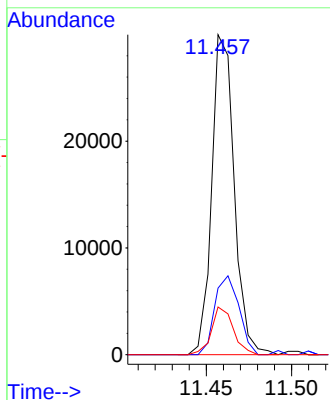
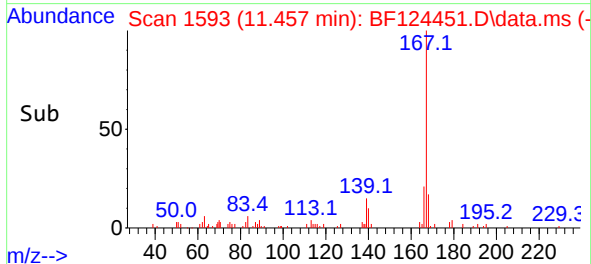
Instrument :
BNA_F
ClientSampleID :
356-349DL



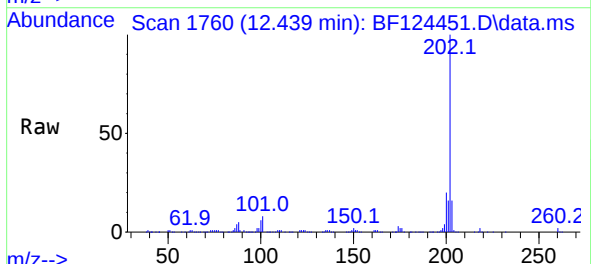
Tgt Ion:167 Resp: 27475
Ion Ratio Lower Upper
167 100
166 20.8 17.0 25.6
139 14.9 10.4 15.6

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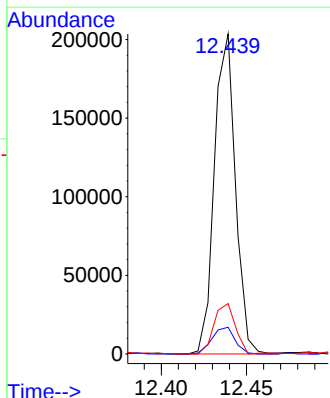
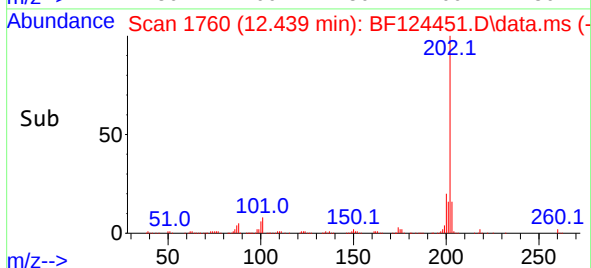
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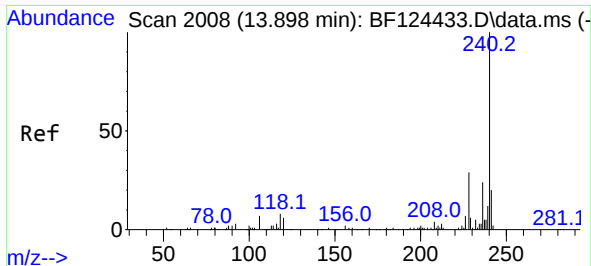


#75
Fluoranthene
Concen: 26.470 ng
RT: 12.439 min Scan# 1760
Delta R.T. 0.000 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33



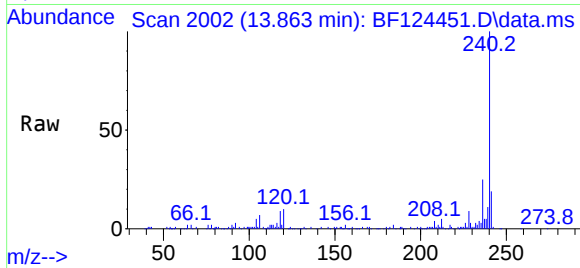
Tgt Ion:202 Resp: 174809
Ion Ratio Lower Upper
202 100
101 8.3 0.0 30.9
203 15.8 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

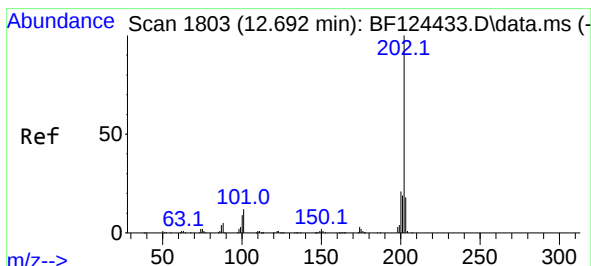
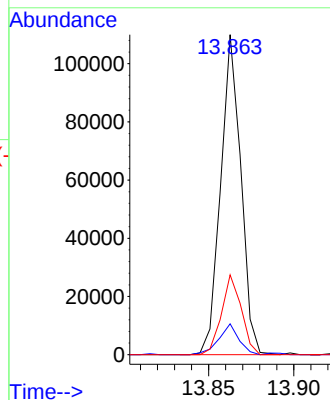
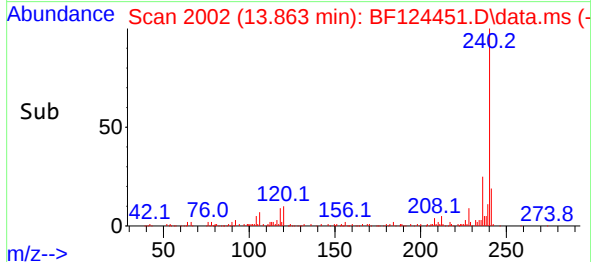
Instrument :
BNA_F
ClientSampleID :
356-349DL



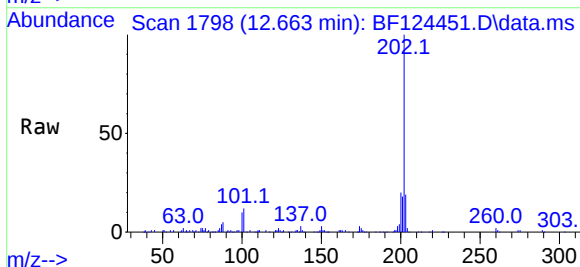
Tgt Ion:240 Resp: 90759
Ion Ratio Lower Upper
240 100
120 9.6 7.2 10.8
236 25.0 19.0 28.4

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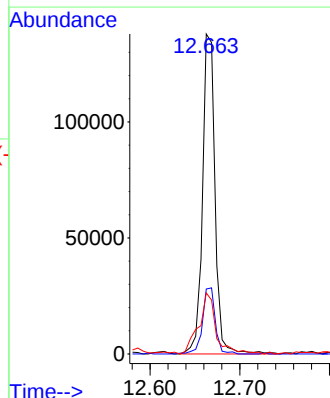
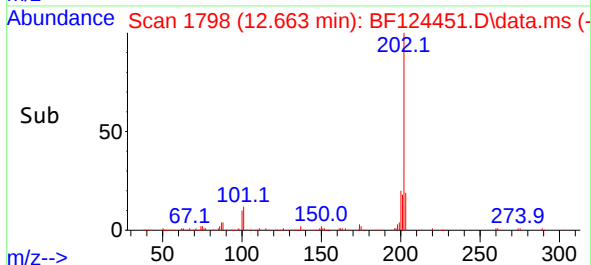
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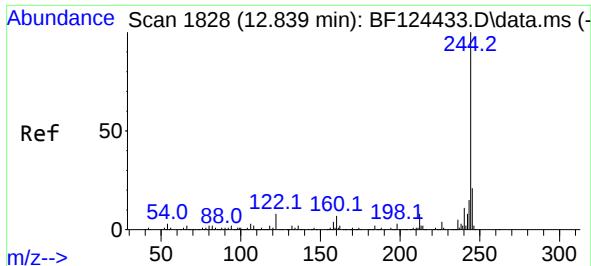


#78
Pyrene
Concen: 16.160 ng
RT: 12.663 min Scan# 1798
Delta R.T. -0.006 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33



Tgt Ion:202 Resp: 133876
Ion Ratio Lower Upper
202 100
200 20.3 16.1 24.1
203 19.1 14.8 22.2





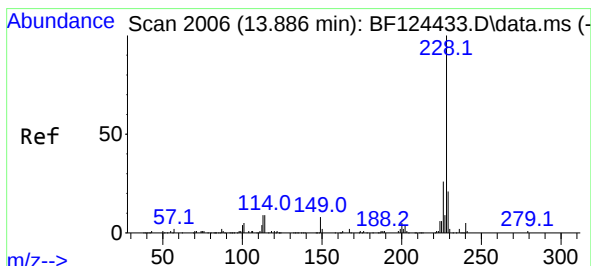
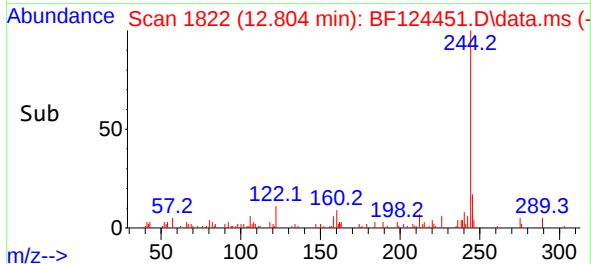
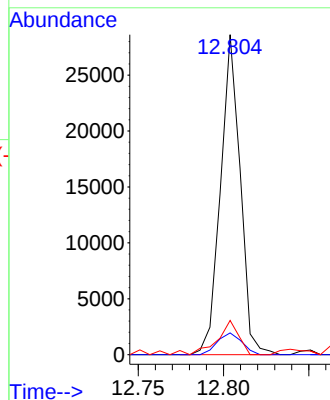
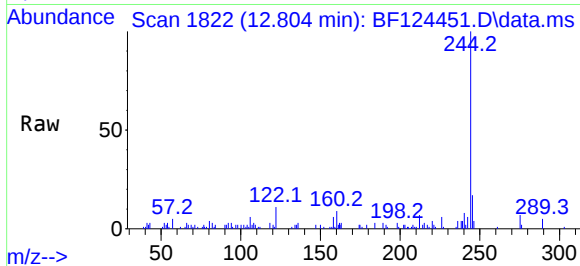
#79
Terphenyl-d14
Concen: 3.802 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

Tgt Ion:244	Resp:	23040
Ion Ratio	Lower	Upper
244	100	
212	6.8	5.7 8.5
122	10.7	9.7 14.5

Instrument :
BNA_F
ClientSampleId :
356-349DL

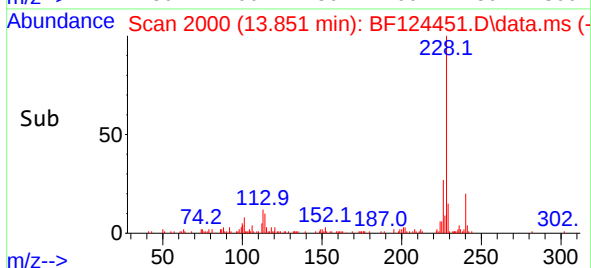
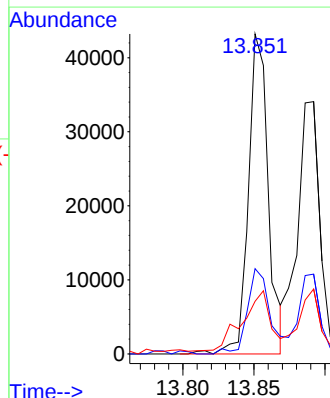
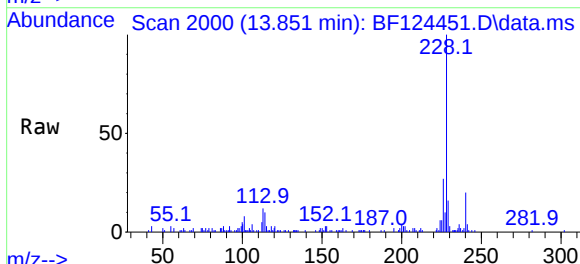
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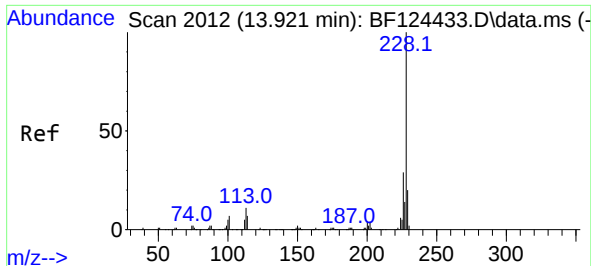
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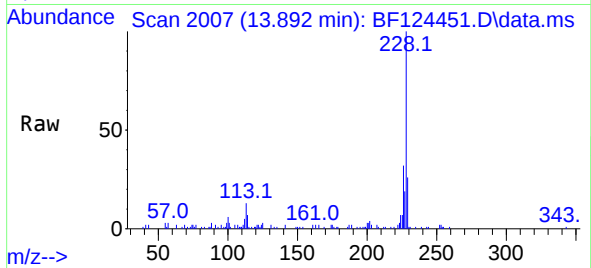
#81
Benzo(a)anthracene
Concen: 6.434 ng
RT: 13.851 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

Tgt Ion:228	Resp:	42099
Ion Ratio	Lower	Upper
228	100	
226	26.7	22.4 33.6
229	16.5	16.0 24.0

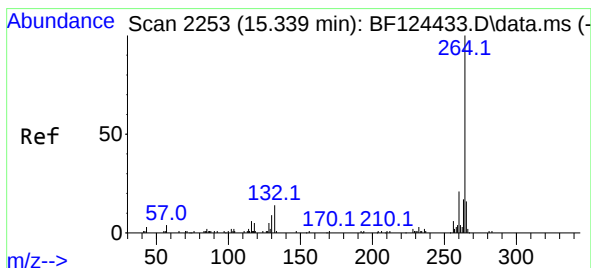
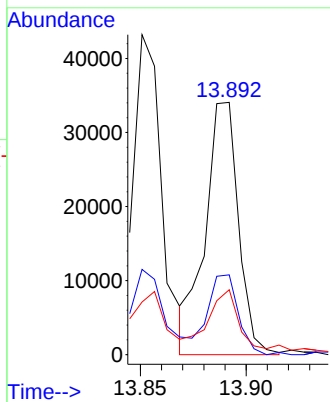
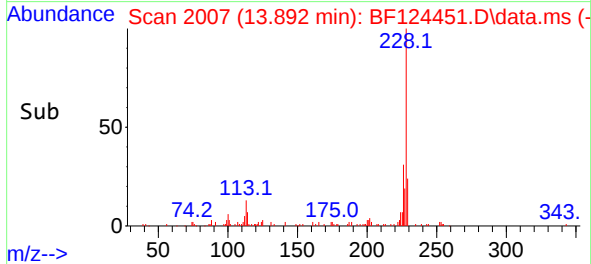




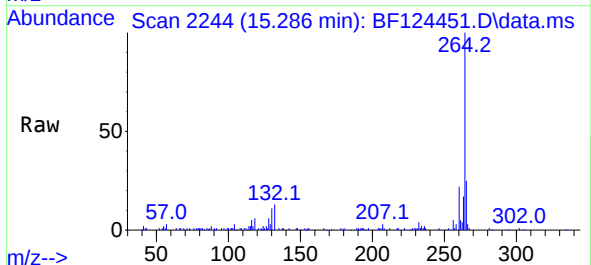
#83
Chrysene
Concen: 5.770 ng m
RT: 13.892 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33



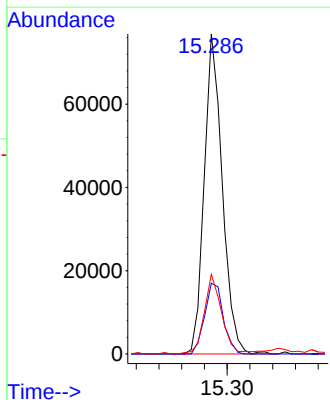
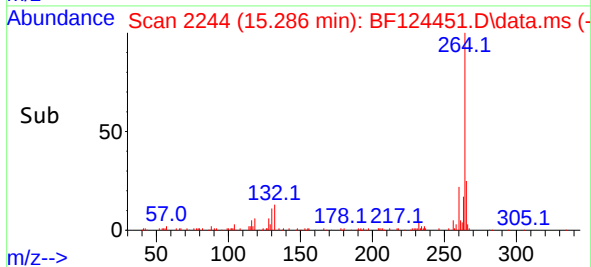
Tgt Ion:228 Resp: 37415
Ion Ratio Lower Upper
228 100
226 31.7 24.3 36.5
229 25.7 16.2 24.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.286 min Scan# 2244
Delta R.T. -0.006 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33



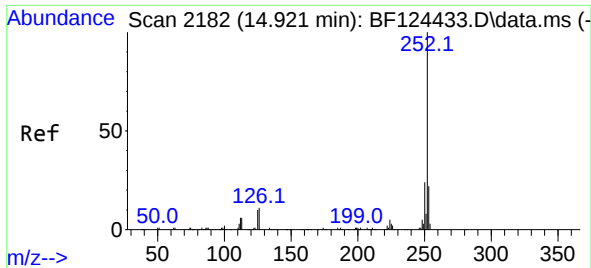
Tgt Ion:264 Resp: 84644
Ion Ratio Lower Upper
264 100
260 22.1 18.7 28.1
265 24.9 17.8 26.8



Instrument :
BNA_F
ClientSampleID :
356-349DL

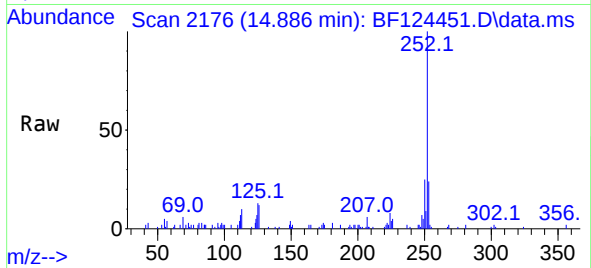
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#88
Benzo(b)fluoranthene
Concen: 5.155 ng m
RT: 14.886 min Scan# 2176
Delta R.T. 0.000 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

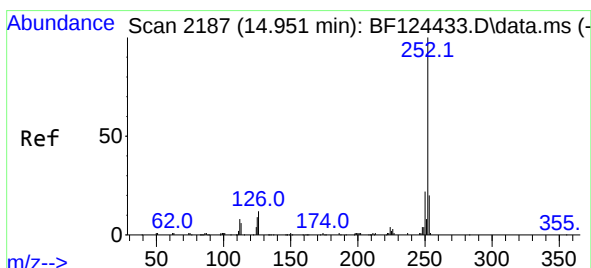
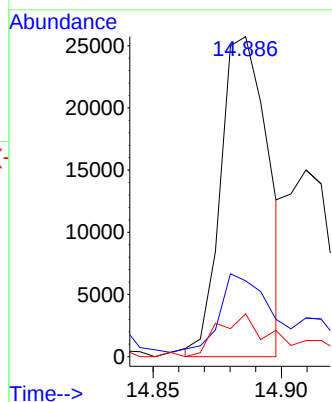
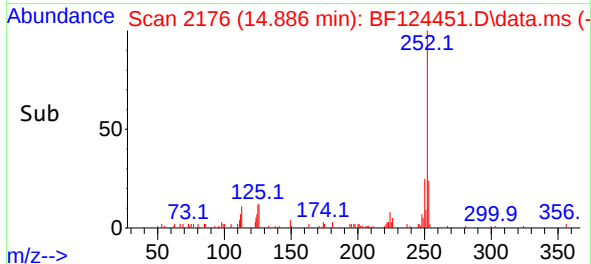
Instrument :
BNA_F
ClientSampleID :
356-349DL



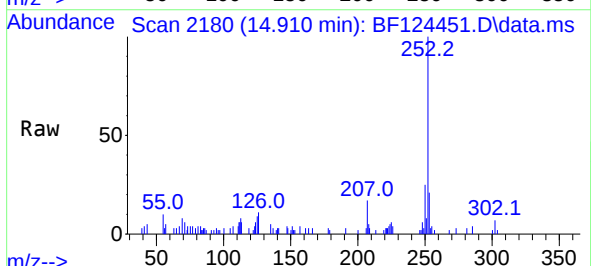
Tgt Ion:252 Resp: 33067
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 13.4 6.2 9.4#

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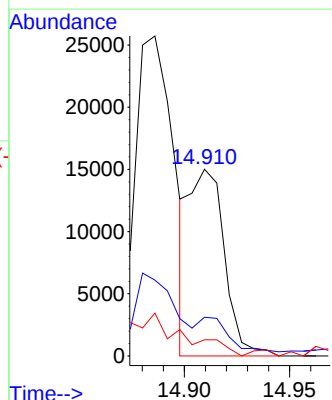
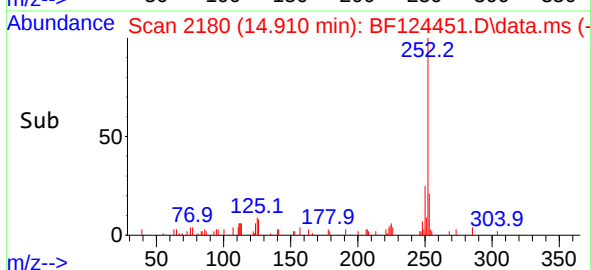
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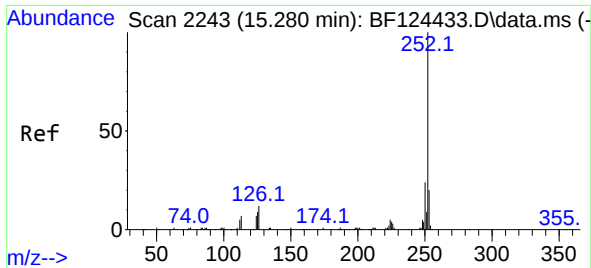


#89
Benzo(k)fluoranthene
Concen: 2.949 ng m
RT: 14.910 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33

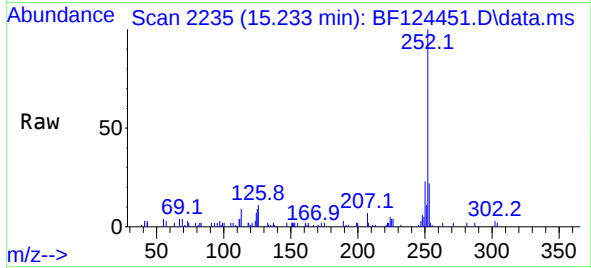


Tgt Ion:252 Resp: 17303
Ion Ratio Lower Upper
252 100
253 20.7 17.9 26.9
125 8.7 7.0 10.6

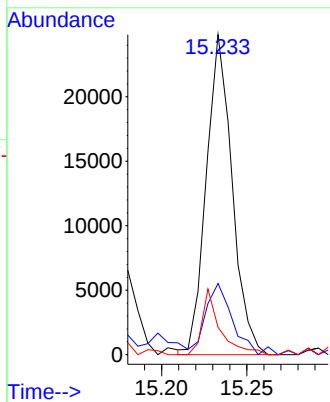
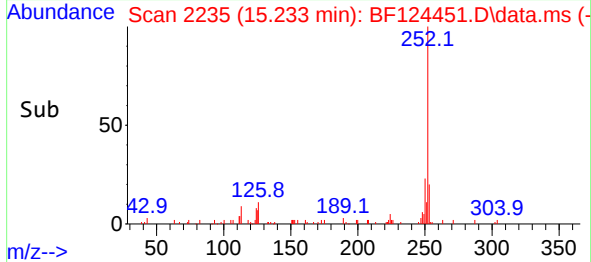




#90
Benzo(a)pyrene
Concen: 4.587 ng
RT: 15.233 min Scan# 2235
Delta R.T. 0.000 min
Lab File: BF124451.D
Acq: 25 Jun 2021 14:33



Tgt Ion:	252	Resp:	26146
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.4	27.6
125	8.5	8.0	12.0



Instrument :
BNA_F
ClientSampleId :
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