

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
 Data File : BF123450.D
 Acq On : 24 Mar 2021 21:02
 Operator : JU/CG
 Sample : M1730-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8A

Manual Integrations
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Quant Time: Mar 25 00:41:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 24 12:51:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	211207	20.00	ng	0.00
21) Naphthalene-d8	8.198	136	743948	20.00	ng	# 0.00
39) Acenaphthene-d10	9.957	164	356022	20.00	ng	0.00
64) Phenanthrene-d10	11.451	188	496727	20.00	ng	0.00
76) Chrysene-d12	14.110	240	377047	20.00	ng	0.00
86) Perylene-d12	15.615	264	407268	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1113949	86.28	ng	0.00
7) Phenol-d6	6.540	99	1387171	80.71	ng	0.00
23) Nitrobenzene-d5	7.475	82	917102	66.53	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	295635	74.27	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	1298600	52.11	ng	0.00
79) Terphenyl-d14	13.045	244	870395	39.12	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.545	94	38319	2.17	ng	87
31) Naphthalene	8.222	128	697983	17.45	ng	99
37) 2-Methylnaphthalene	8.910	142	330999	12.07	ng	100
38) 1-Methylnaphthalene	9.010	142	308686	11.99	ng	98
46) 1,1'-Biphenyl	9.375	154	65864	2.40	ng	98
50) Dimethylphthalate	9.669	163	57307	2.27	ng	# 94
52) Acenaphthene	9.992	154	299905	13.72	ng	97
55) Dibenzofuran	10.163	168	217735	6.93	ng	# 96
58) Fluorene	10.510	166	328888	13.87	ng	97
71) Phenanthrene	11.480	178	2847974	103.72	ng	98
72) Anthracene	11.528	178	494959	17.92	ng	98
73) Carbazole	11.675	167	258440	9.90	ng	98
75) Fluoranthene	12.686	202	2535903	85.29	ng	98
78) Pyrene	12.910	202	2380790	73.20	ng	99
81) Benzo(a)anthracene	14.098	228	1261699	51.12	ng	99
83) Chrysene	14.133	228	1288924	50.59	ng	97
87) Indeno(1,2,3-cd)pyrene	17.139	276	438972	17.34	ng	94
88) Benzo(b)fluoranthene	15.174	252	1361858m	48.47	ng	
89) Benzo(k)fluoranthene	15.198	252	429896m	16.19	ng	
90) Benzo(a)pyrene	15.557	252	964600	39.77	ng	98
91) Dibenzo(a,h)anthracene	17.151	278	130166	6.06	ng	97
92) Benzo(g,h,i)perylene	17.598	276	353877	16.45	ng	99

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

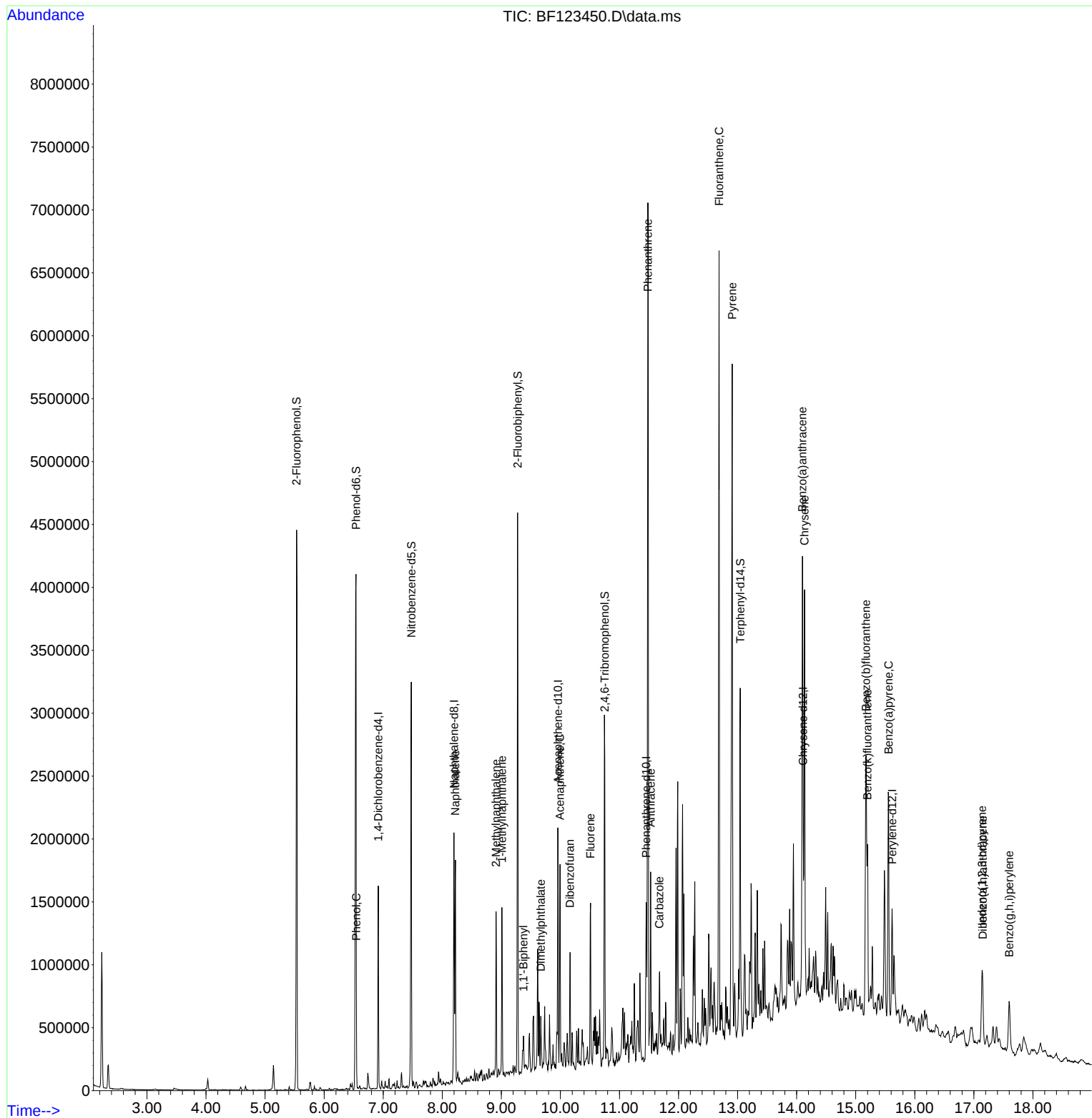
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123450.D
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Operator : JU/CG
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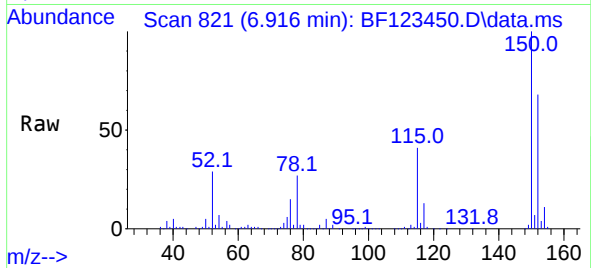
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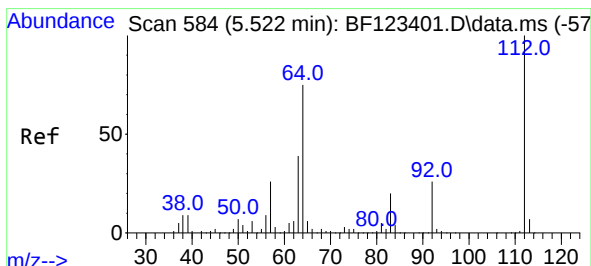
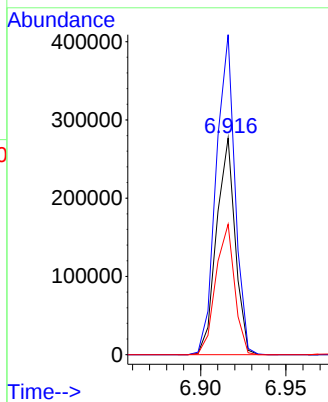
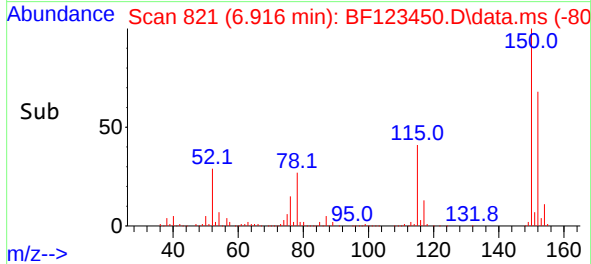




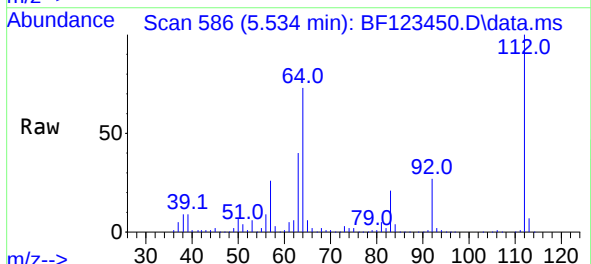
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1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.916 min Scan# 821
Delta R.T. 0.000 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02



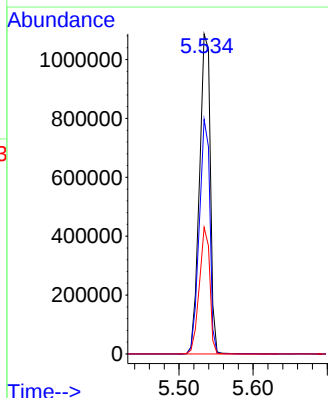
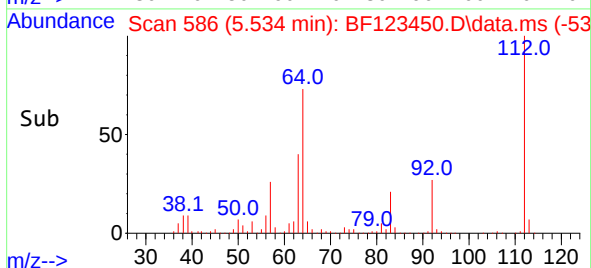
Tgt Ion:152 Resp: 211207
Ion Ratio Lower Upper
152 100
150 147.7 125.8 188.6
115 60.2 49.3 73.9



#5
2-Fluorophenol
Concen: 86.28 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02



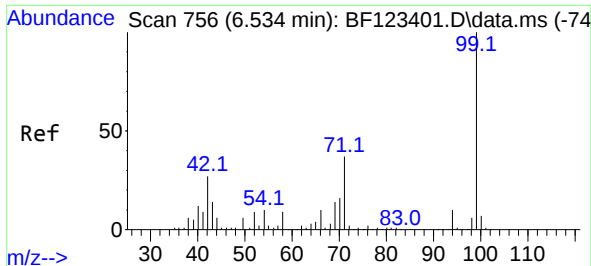
Tgt Ion:112 Resp: 1113949
Ion Ratio Lower Upper
112 100
64 73.3 46.9 70.3#
63 39.6 24.5 36.7#



Instrument :
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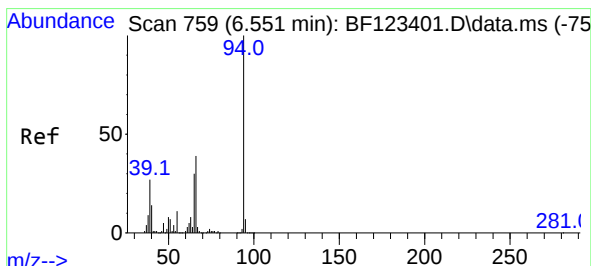
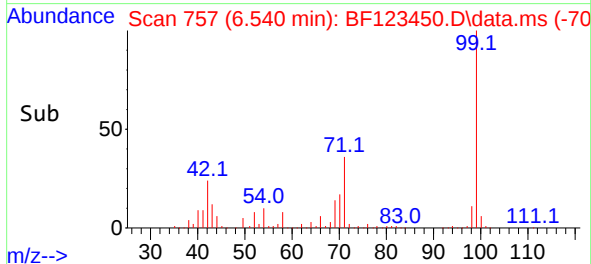
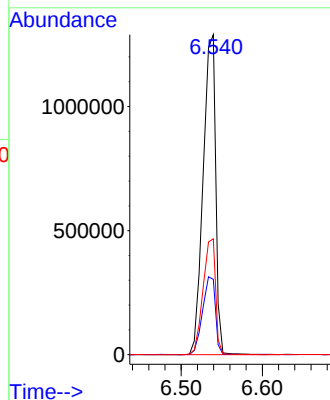
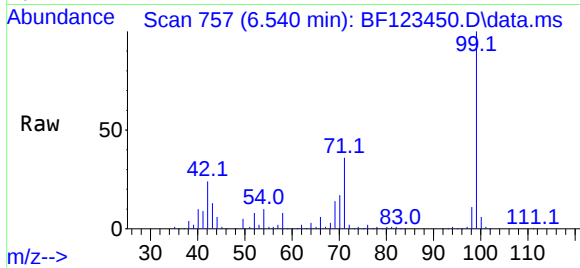
#7
Phenol-d6
Concen: 80.71 ng
RT: 6.540 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

Tgt Ion: 99 Resp: 1387171
Ion Ratio Lower Upper
99 100
42 23.5 13.8 20.6#
71 36.2 26.9 40.3

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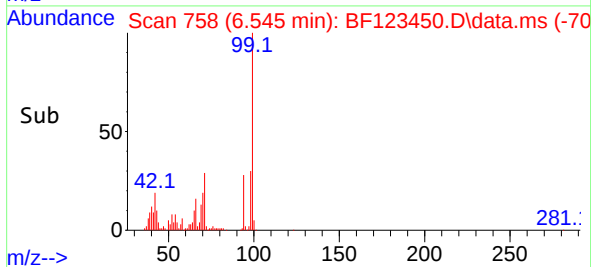
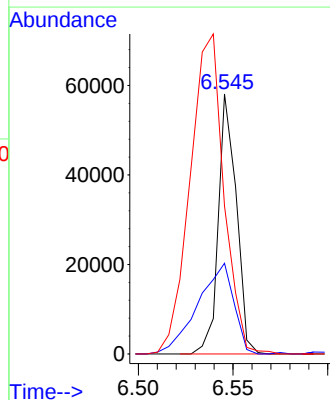
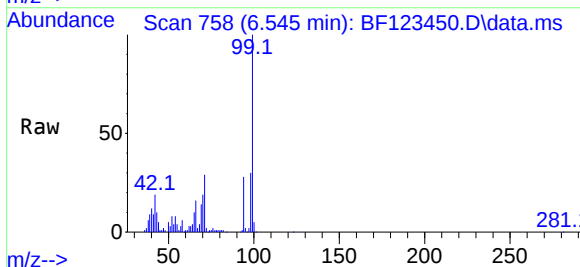
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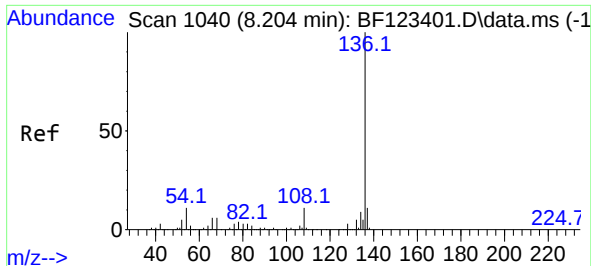
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#10
Phenol
Concen: 2.17 ng
RT: 6.545 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

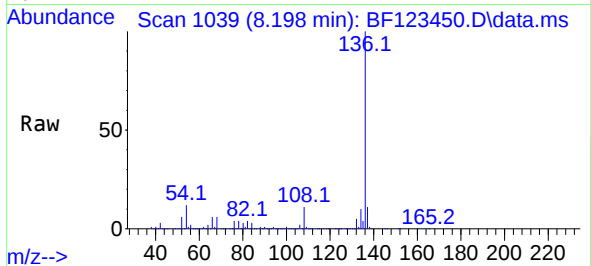
Tgt Ion: 94 Resp: 38319
Ion Ratio Lower Upper
94 100
65 34.9 11.2 51.2
66 56.9 25.8 65.8





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

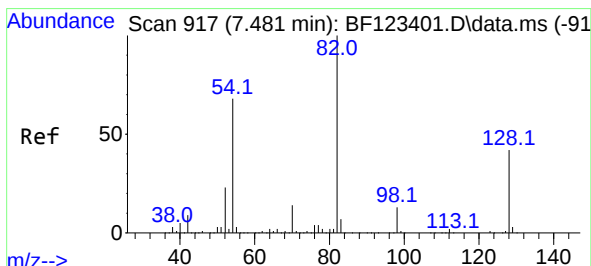
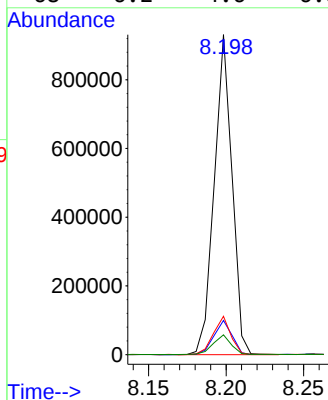
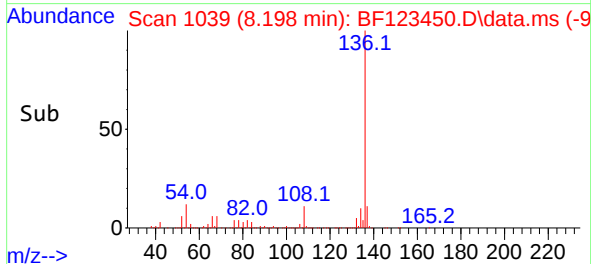
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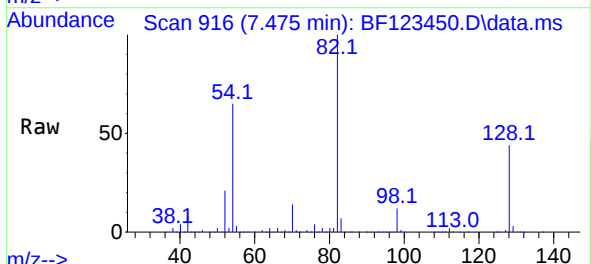
Tgt Ion:136 Resp: 743948
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 12.0 5.5 8.3#
68 6.2 4.6 6.8

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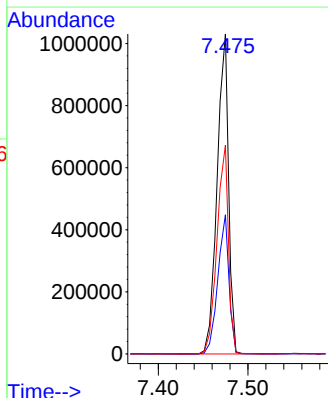
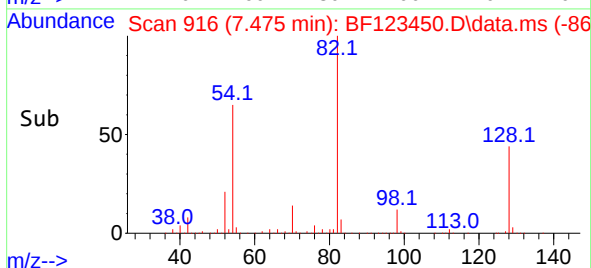
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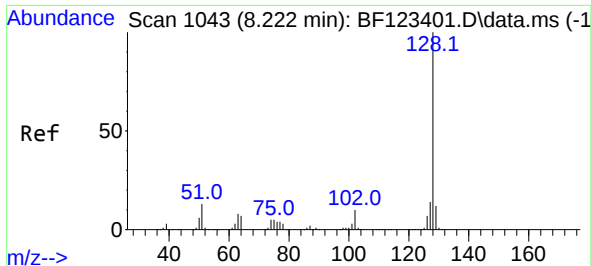


#23
Nitrobenzene-d5
Concen: 66.53 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02



Tgt Ion: 82 Resp: 917102
Ion Ratio Lower Upper
82 100
128 43.5 37.0 55.4
54 65.2 38.4 57.6#





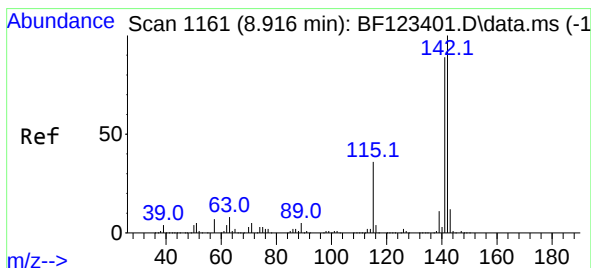
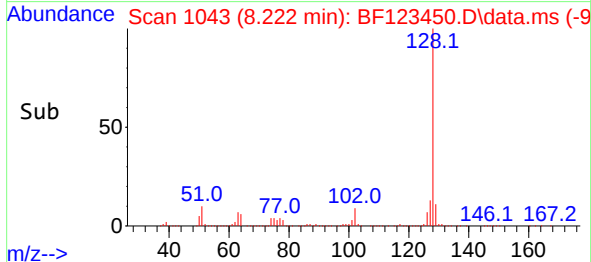
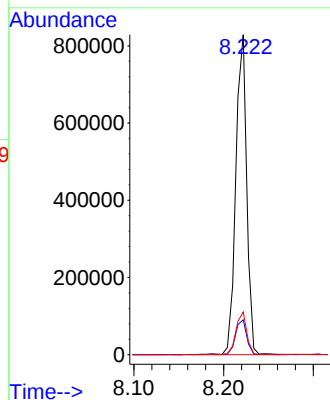
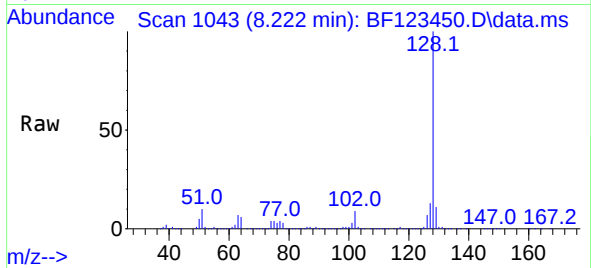
#31
Naphthalene
Concen: 17.45 ng
RT: 8.222 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

Tgt Ion:128 Resp: 697983
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 13.4 10.7 16.1

Instrument :
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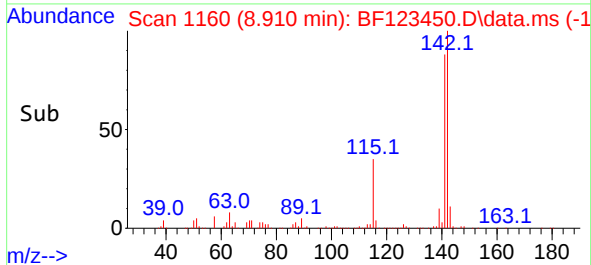
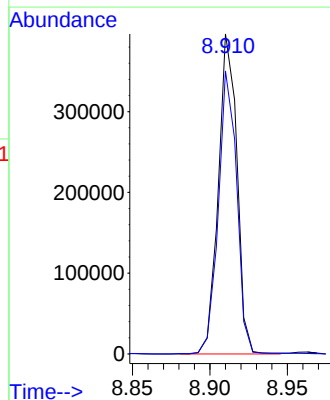
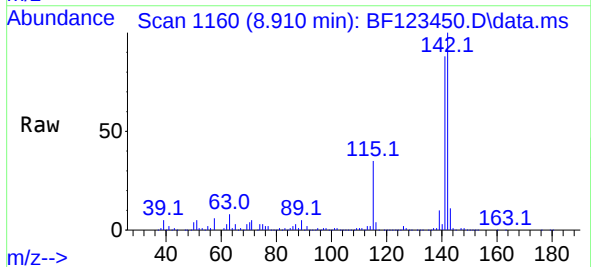
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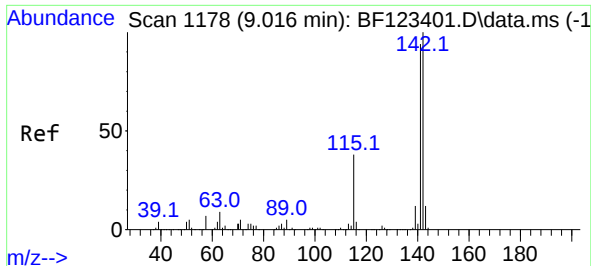
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#37
2-Methylnaphthalene
Concen: 12.07 ng
RT: 8.910 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

Tgt Ion:142 Resp: 330999
Ion Ratio Lower Upper
142 100
141 88.5 70.6 106.0





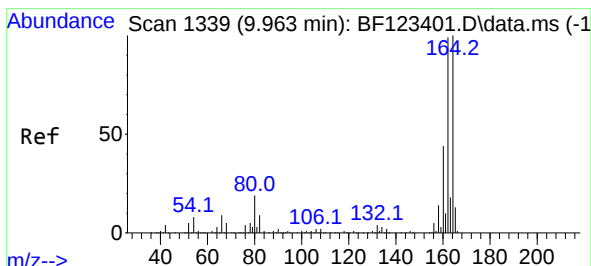
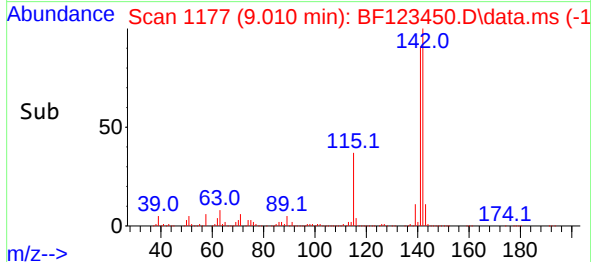
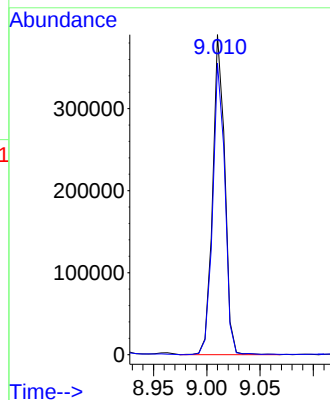
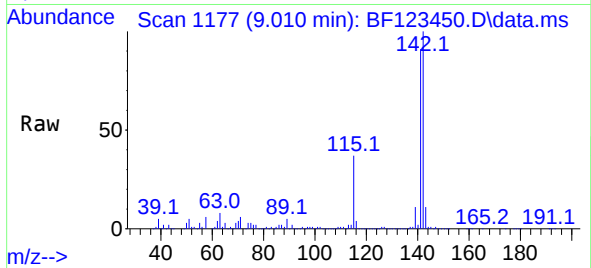
#38
1-Methylnaphthalene
Concen: 11.99 ng
RT: 9.010 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

Tgt Ion:142 Resp: 308686
Ion Ratio Lower Upper
142 100
141 91.1 74.5 111.7

Instrument :
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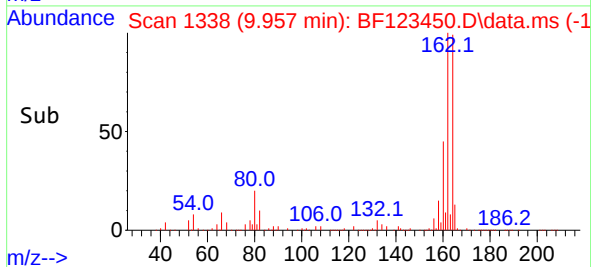
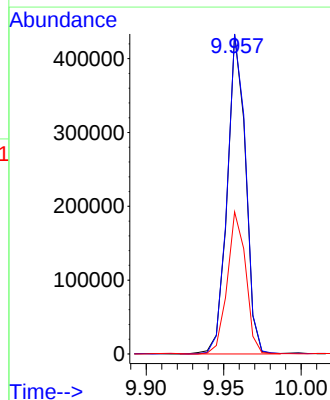
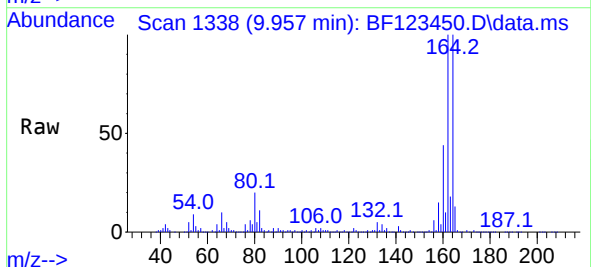
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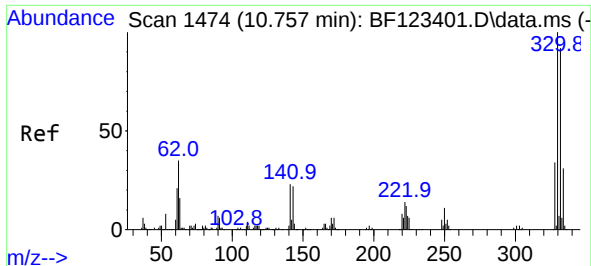
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

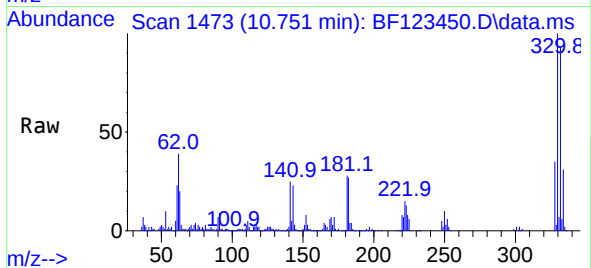
Tgt Ion:164 Resp: 356022
Ion Ratio Lower Upper
164 100
162 99.8 80.8 121.2
160 44.4 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 74.27 ng
RT: 10.751 min Scan# 1473
Delta R.T. -0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

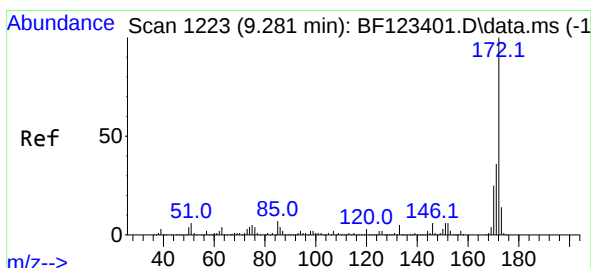
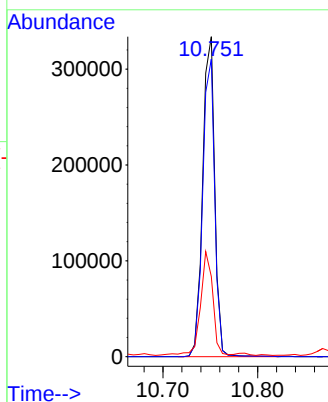
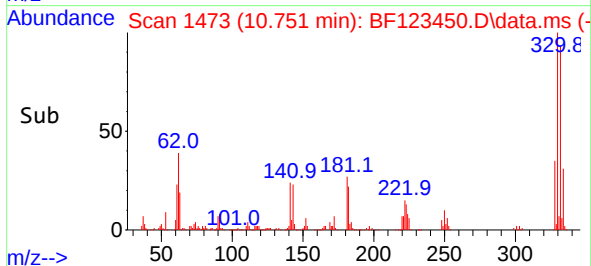
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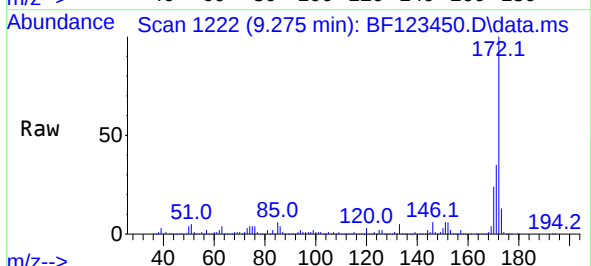
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Ion Ratio Lower Upper
330 100
332 93.4 77.5 116.3
141 33.0 23.8 35.8

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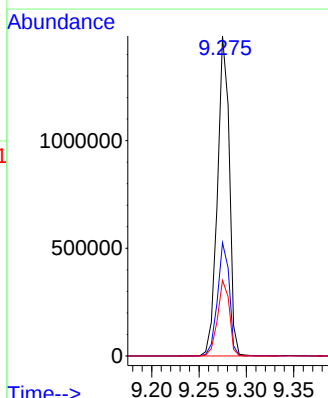
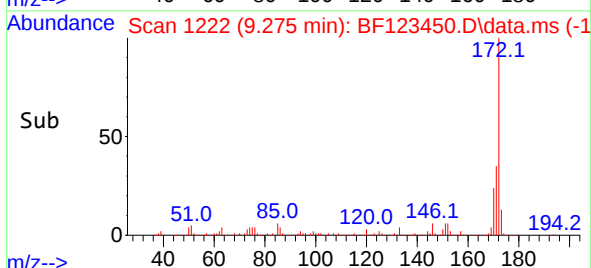
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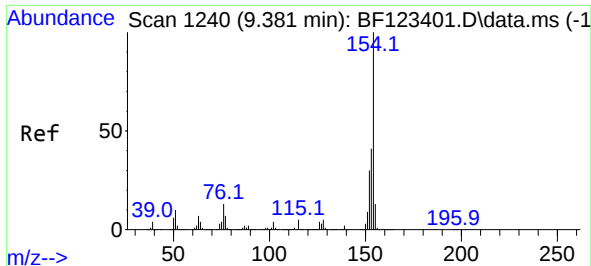


#45
2-Fluorobiphenyl
Concen: 52.11 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02



Tgt Ion:172 Resp: 1298600
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 23.6 19.5 29.3





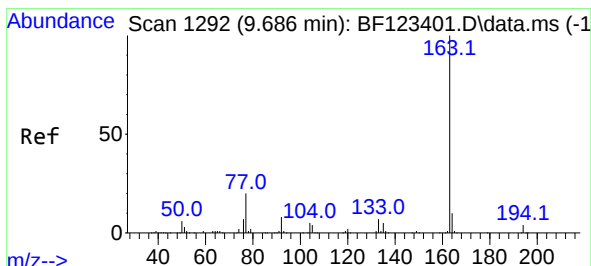
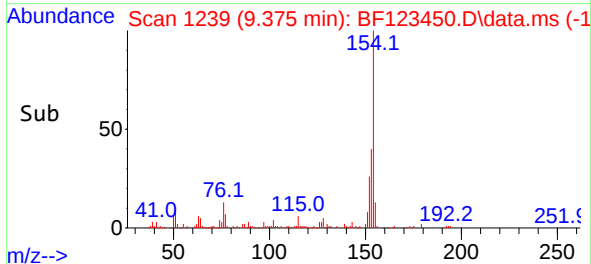
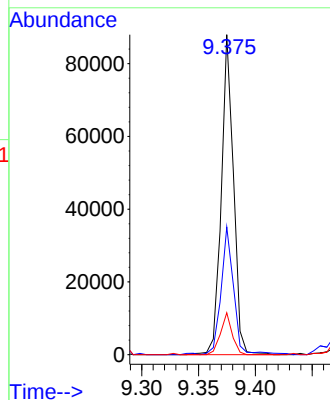
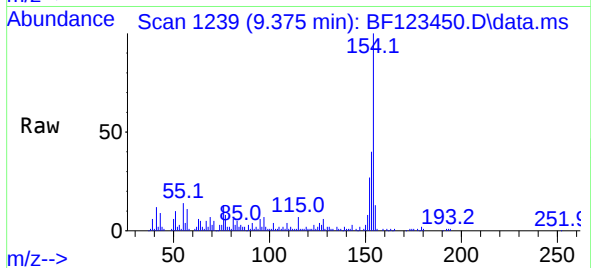
#46
1,1'-Biphenyl
Concen: 2.40 ng
RT: 9.375 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

Tgt Ion:154 Resp: 65864
Ion Ratio Lower Upper
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153 39.9 21.8 61.8
76 13.1 0.0 33.4

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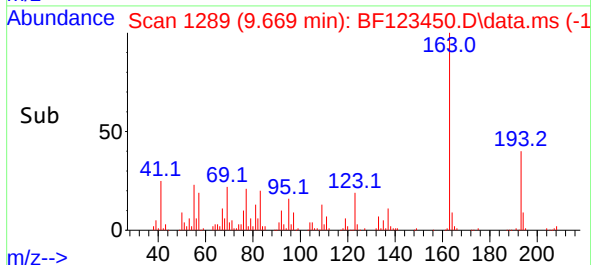
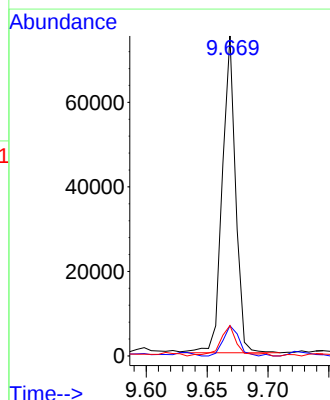
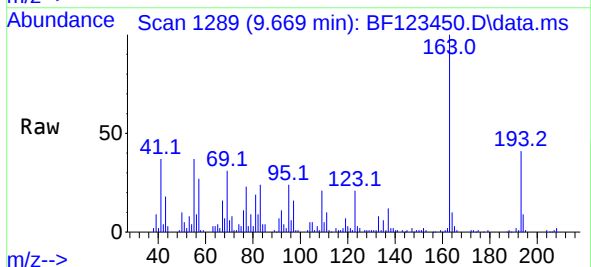
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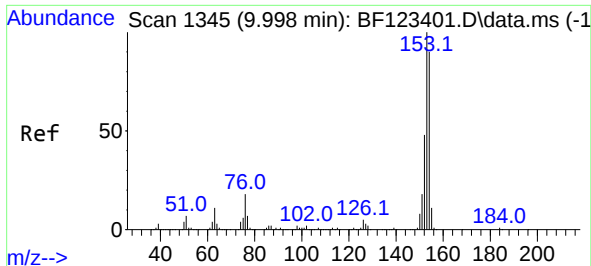
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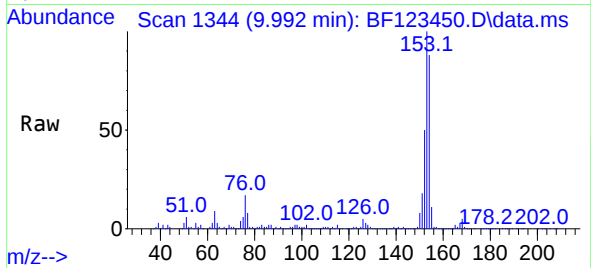
#50
Dimethylphthalate
Concen: 2.27 ng
RT: 9.669 min Scan# 1289
Delta R.T. -0.018 min
Lab File: BF123450.D
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Tgt Ion:163 Resp: 57307
Ion Ratio Lower Upper
163 100
194 9.5 3.4 5.0#
164 9.5 8.1 12.1

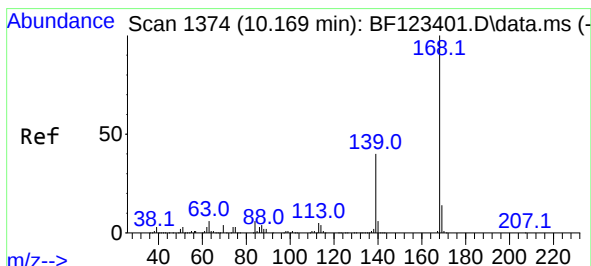
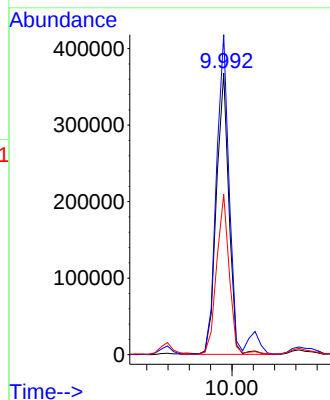
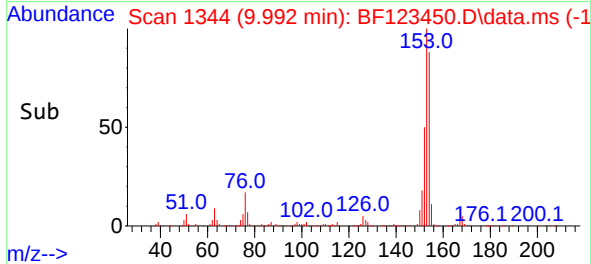




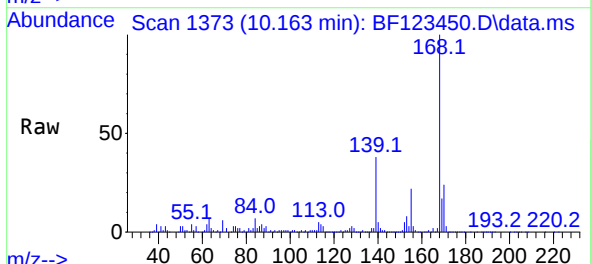
#52
Acenaphthene
Concen: 13.72 ng
RT: 9.992 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02



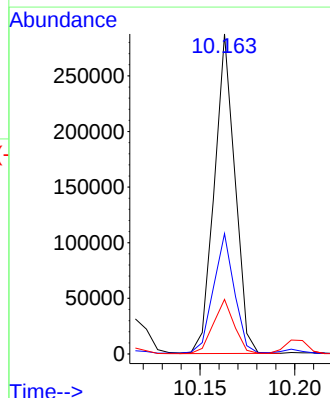
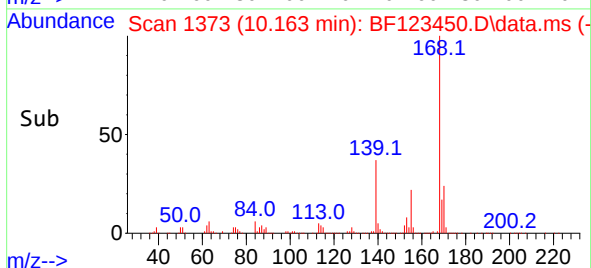
Tgt Ion:154 Resp: 299905
Ion Ratio Lower Upper
154 100
153 113.6 89.0 133.6
152 56.9 42.7 64.1



#55
Dibenzofuran
Concen: 6.93 ng
RT: 10.163 min Scan# 1373
Delta R.T. -0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02



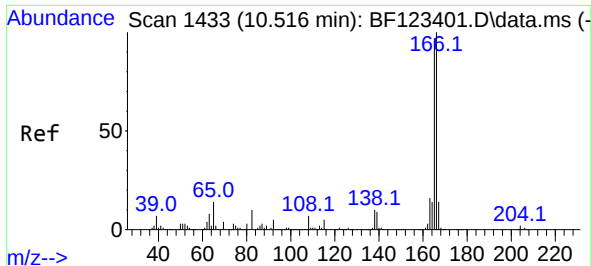
Tgt Ion:168 Resp: 217735
Ion Ratio Lower Upper
168 100
139 37.6 31.3 46.9
169 17.0 11.2 16.8#



Instrument :
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ClientSampled :
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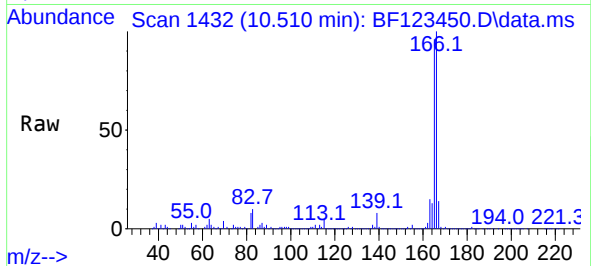
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#58
Fluorene
Concen: 13.87 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

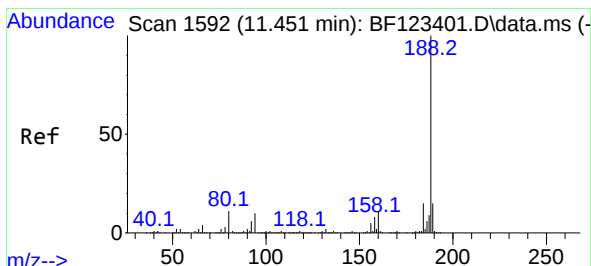
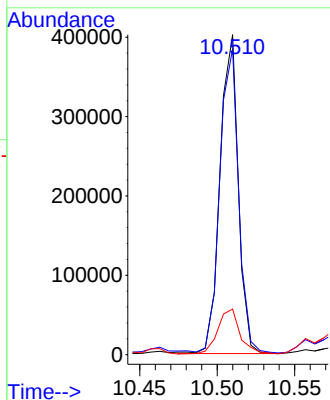
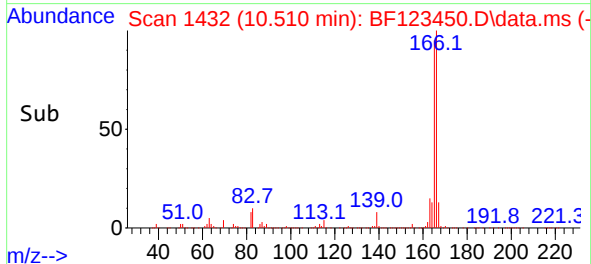
Instrument :
BNA_F
ClientSampled :
TP-8A



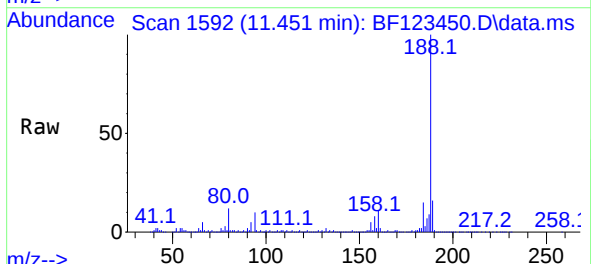
Tgt Ion:166 Resp: 328888
Ion Ratio Lower Upper
166 100
165 95.6 79.4 119.0
167 14.2 10.9 16.3

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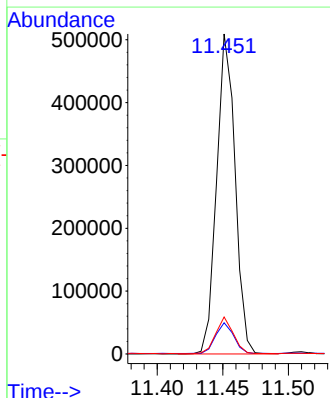
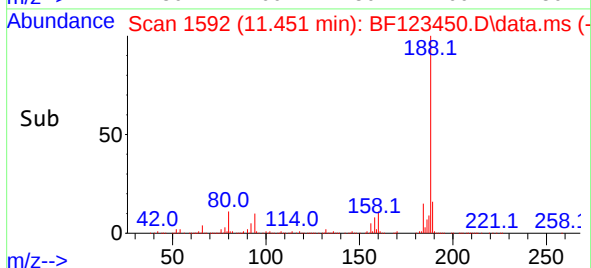
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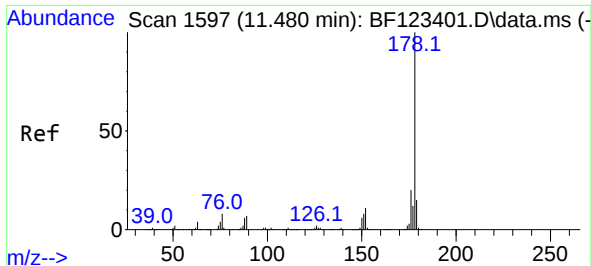


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

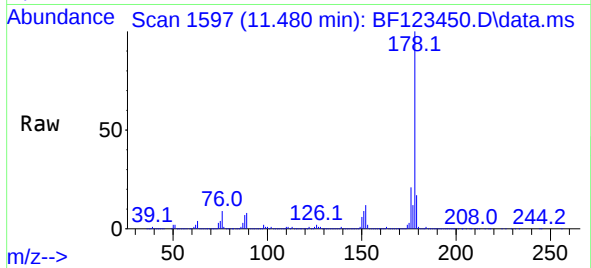


Tgt Ion:188 Resp: 496727
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 11.5 8.2 12.4



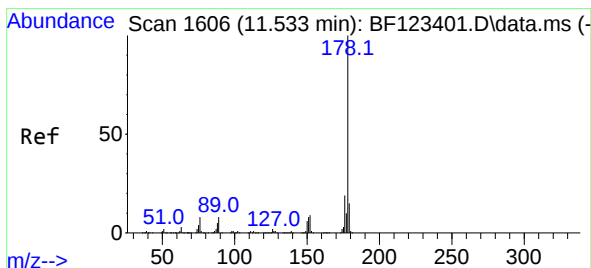
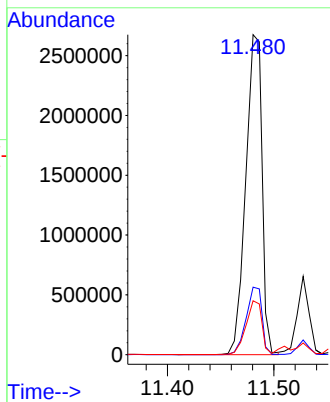
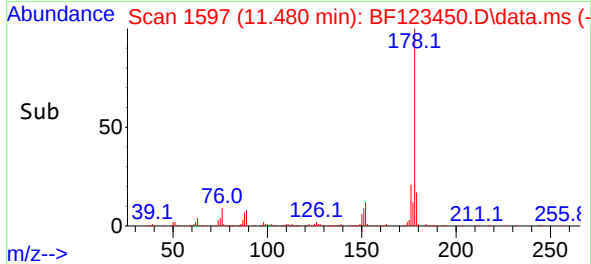


#71
Phenanthrene
Concen: 103.72 ng
RT: 11.480 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

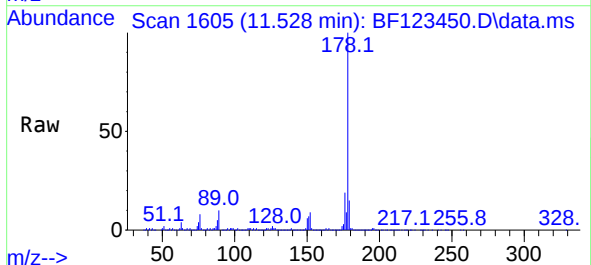


Tgt Ion:178 Resp: 2847974

Ion	Ratio	Lower	Upper
178	100		
176	21.1	16.2	24.2
179	16.8	12.7	19.1

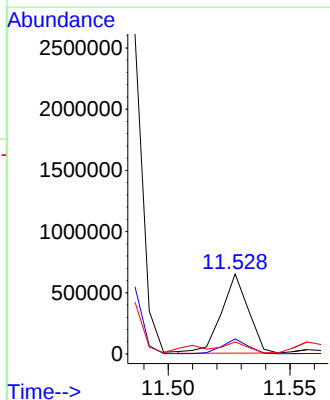
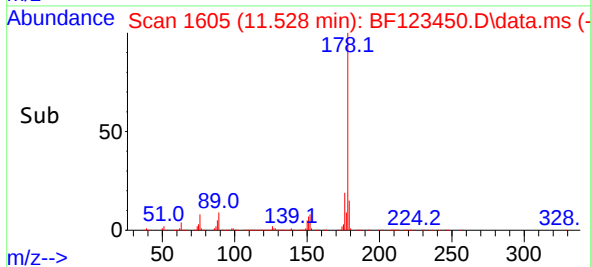


#72
Anthracene
Concen: 17.92 ng
RT: 11.528 min Scan# 1605
Delta R.T. -0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02



Tgt Ion:178 Resp: 494959

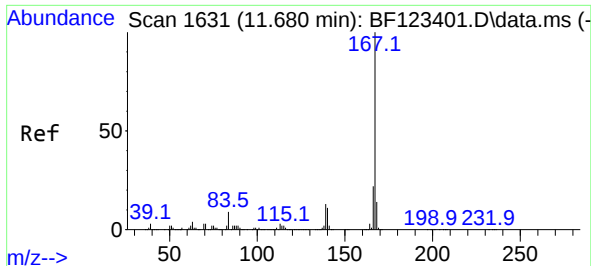
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	15.0	12.8	19.2



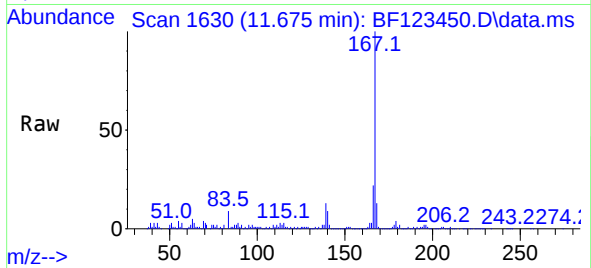
Instrument :
BNA_F
ClientSampleId :
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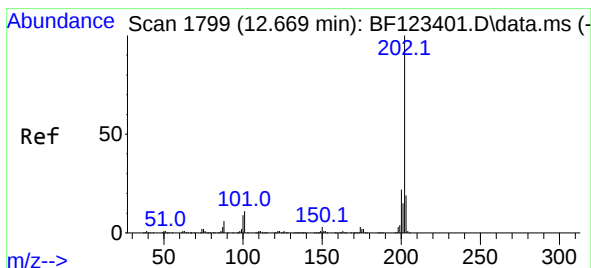
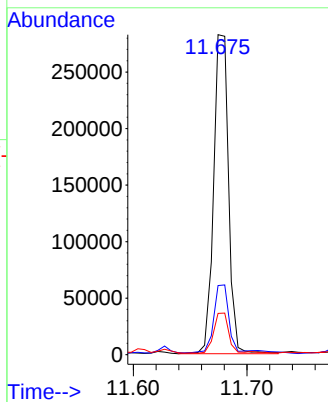
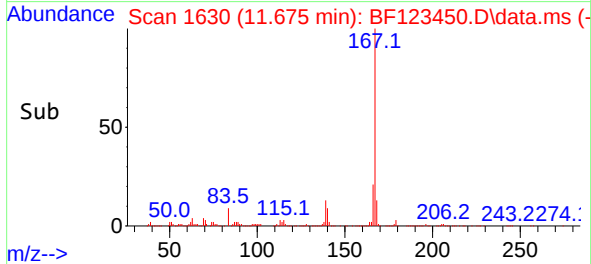


#73
 Carbazole
 Concen: 9.90 ng
 RT: 11.675 min Scan# 1630
 Delta R.T. -0.012 min
 Lab File: BF123450.D
 Acq: 24 Mar 2021 21:02

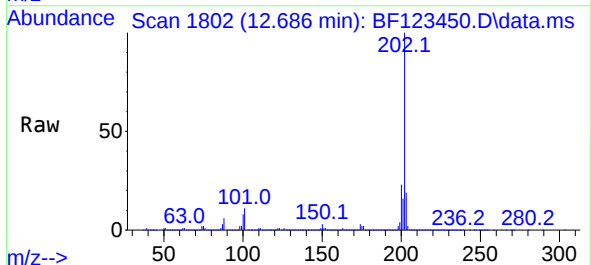


Tgt Ion:167 Resp: 258440

Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.0	27.0
139	12.9	10.9	16.3

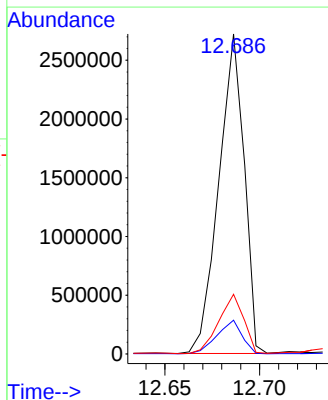
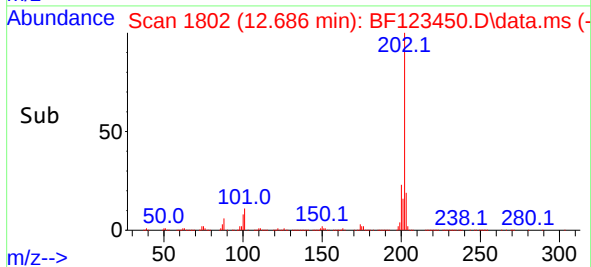


#75
 Fluoranthene
 Concen: 85.29 ng
 RT: 12.686 min Scan# 1802
 Delta R.T. 0.012 min
 Lab File: BF123450.D
 Acq: 24 Mar 2021 21:02



Tgt Ion:202 Resp: 2535903

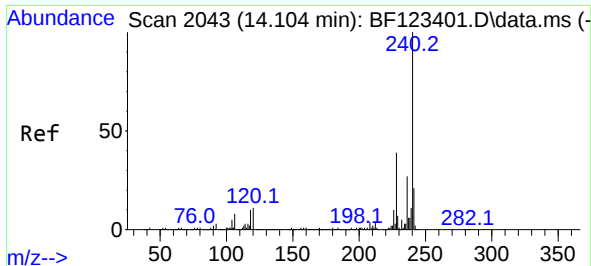
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	32.2
203	18.7	0.0	38.1



Instrument :
 BNA_F
 ClientSampleId :
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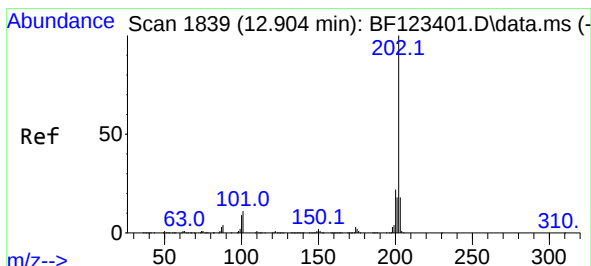
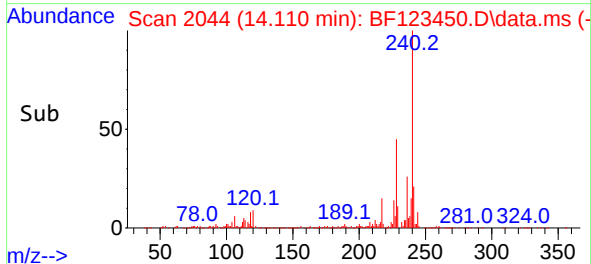
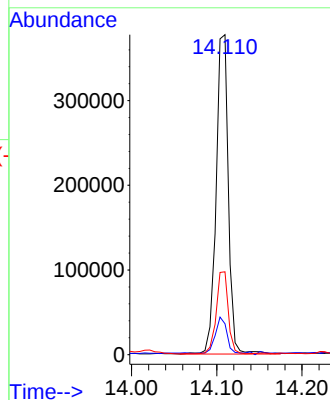
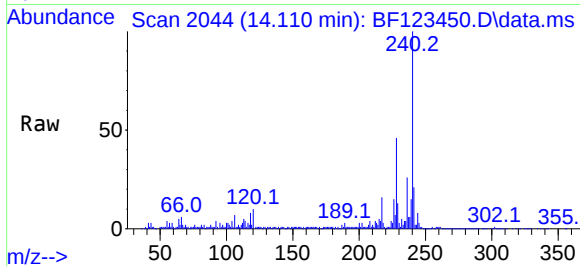
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.110 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

Tgt Ion:240 Resp: 377047
Ion Ratio Lower Upper
240 100
120 9.7 8.6 12.8
236 25.9 20.3 30.5

Instrument :
BNA_F
ClientSampled :
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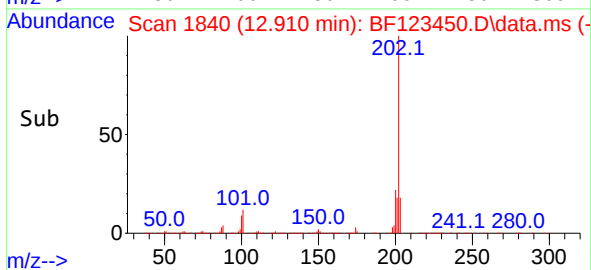
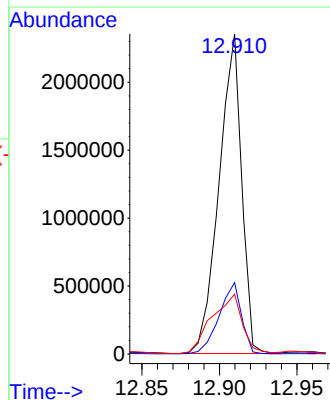
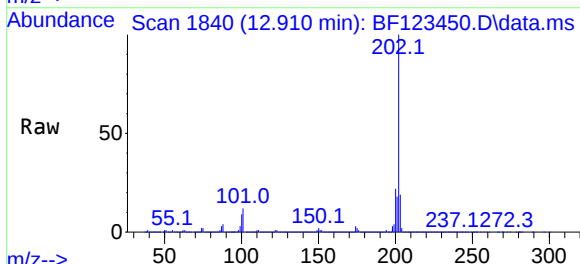
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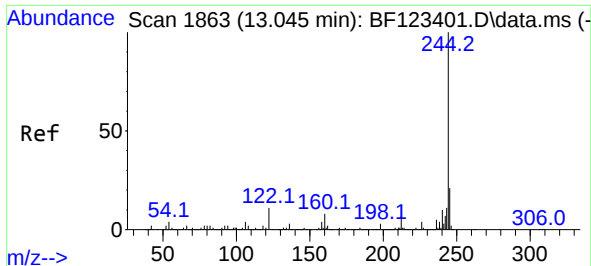
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#78
Pyrene
Concen: 73.20 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

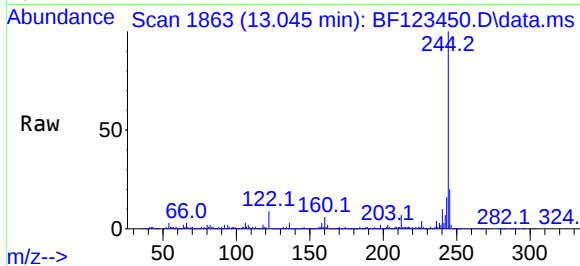
Tgt Ion:202 Resp: 2380790
Ion Ratio Lower Upper
202 100
200 22.3 17.6 26.4
203 18.7 14.6 21.8





#79
Terphenyl-d14
Concen: 39.12 ng
RT: 13.045 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

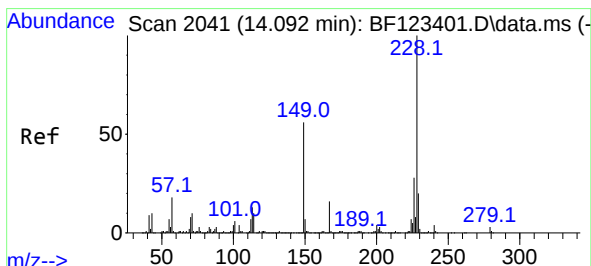
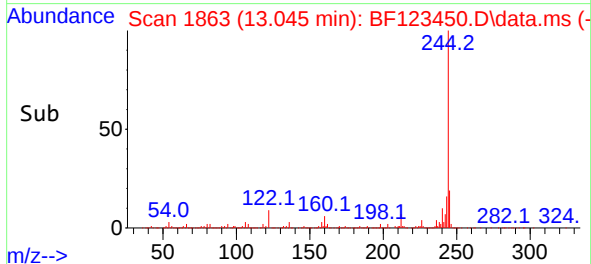
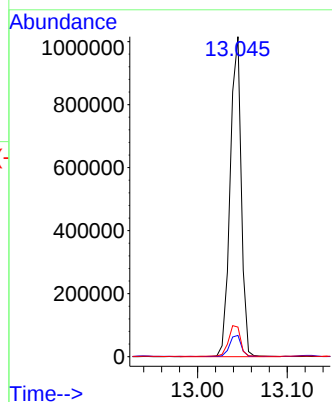
Instrument :
BNA_F
ClientSampled :
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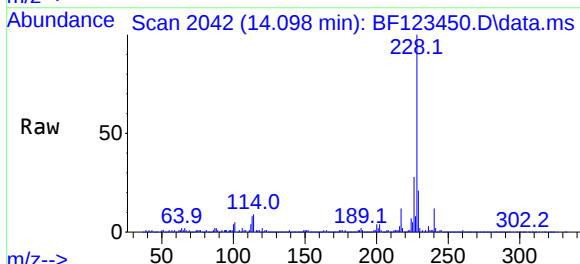
Tgt Ion:244 Resp: 870395
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 9.2 8.3 12.5

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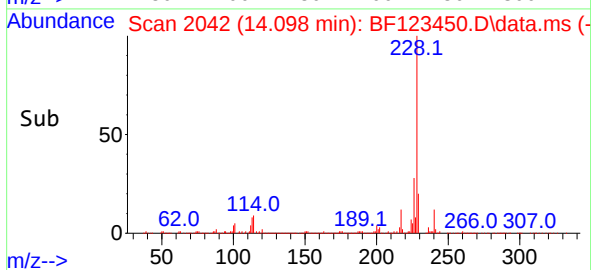
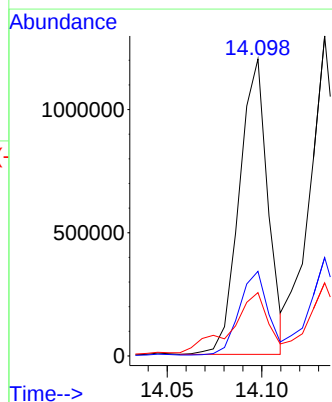
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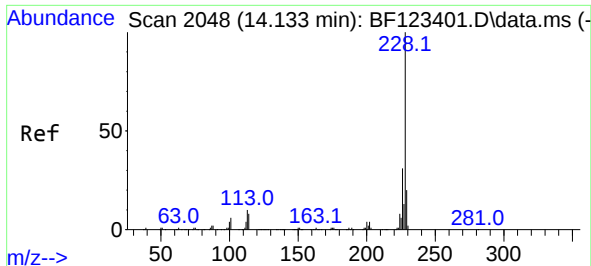


#81
Benzo(a)anthracene
Concen: 51.12 ng
RT: 14.098 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

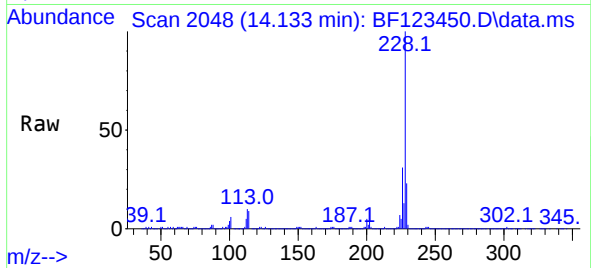


Tgt Ion:228 Resp: 1261699
Ion Ratio Lower Upper
228 100
226 28.5 23.0 34.4
229 21.3 16.6 24.8



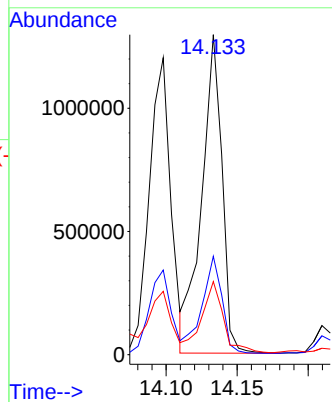
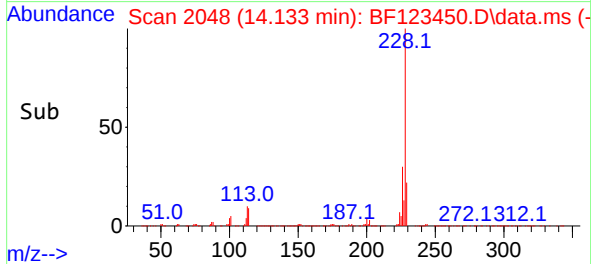


#83
Chrysene
Concen: 50.59 ng
RT: 14.133 min Scan# 2048
Delta R.T. 0.000 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02



Tgt Ion:228 Resp: 1288924

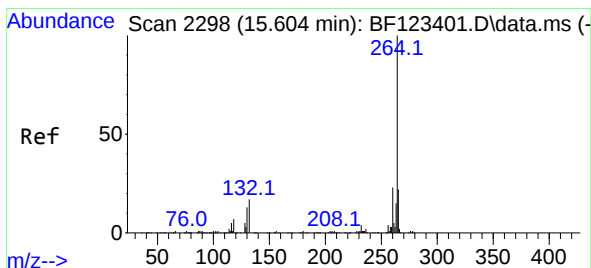
Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	36.8
229	22.9	15.8	23.6



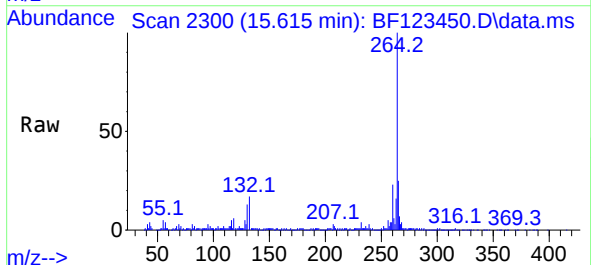
Instrument :
BNA_F
ClientSampleId :
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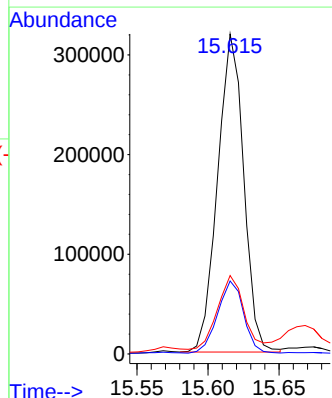
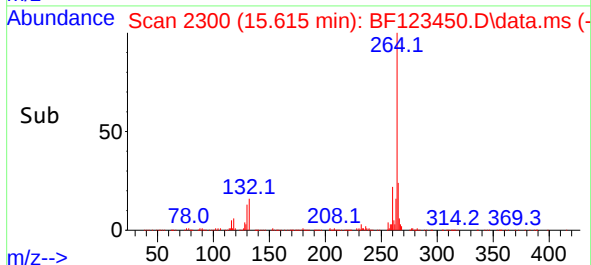


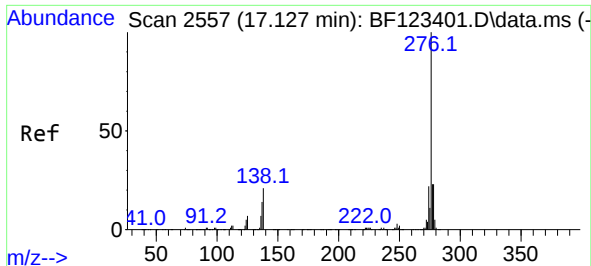
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.615 min Scan# 2300
Delta R.T. 0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02



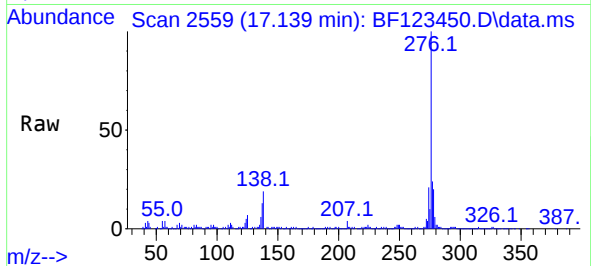
Tgt Ion:264 Resp: 407268

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.6	28.0
265	24.5	17.0	25.6

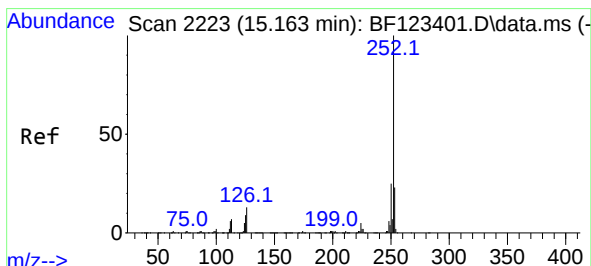
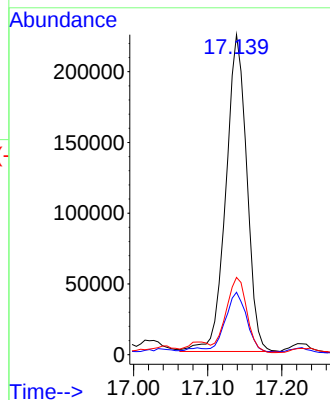
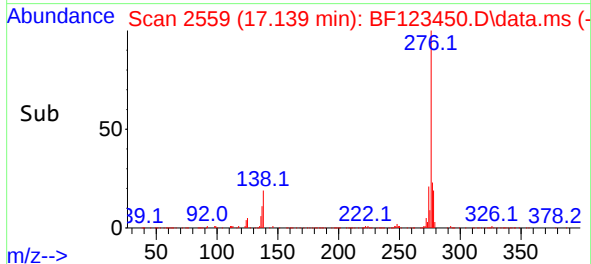




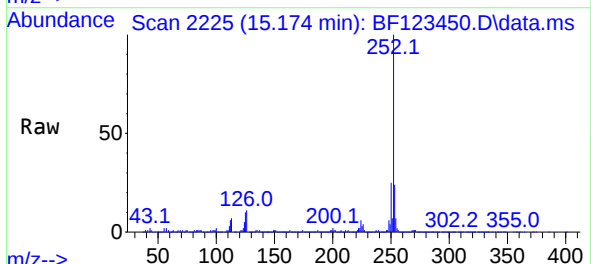
#87
Indeno(1,2,3-cd)pyrene
Concen: 17.34 ng
RT: 17.139 min Scan# 2559
Delta R.T. 0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02



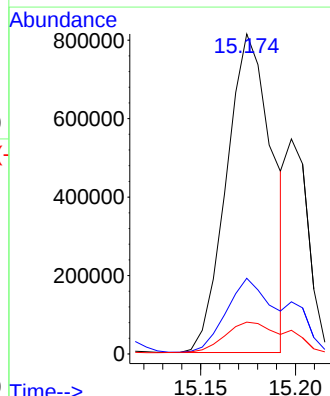
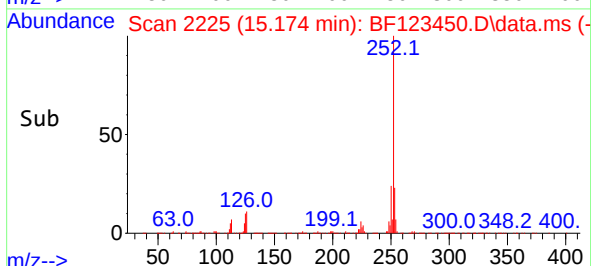
Tgt Ion: 276 Resp: 438972
Ion Ratio Lower Upper
276 100
138 19.2 18.7 28.1
277 23.6 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 48.47 ng m
RT: 15.174 min Scan# 2225
Delta R.T. 0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02



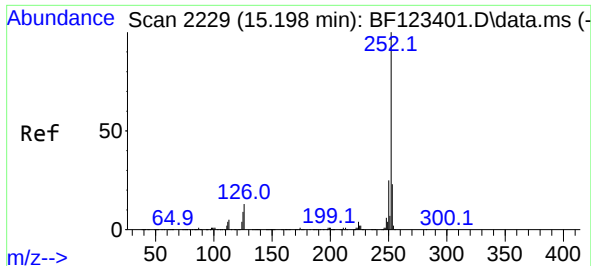
Tgt Ion: 252 Resp: 1361858
Ion Ratio Lower Upper
252 100
253 23.6 18.3 27.5
125 10.0 8.1 12.1



Instrument :
BNA_F
ClientSampled :
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#89

Benzo(k)fluoranthene

Concen: 16.19 ng m

RT: 15.198 min Scan# 2229

Delta R.T. 0.000 min

Lab File: BF123450.D

Acq: 24 Mar 2021 21:02

Tgt Ion:	252	Resp:	429896
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.8	26.8
125	11.0	8.4	12.6

Instrument :

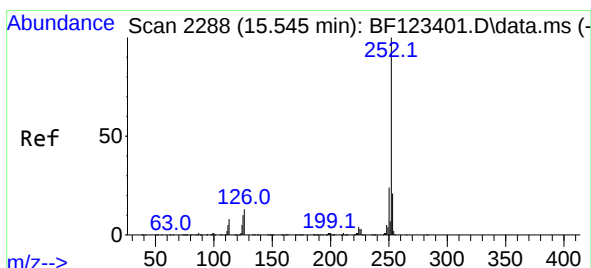
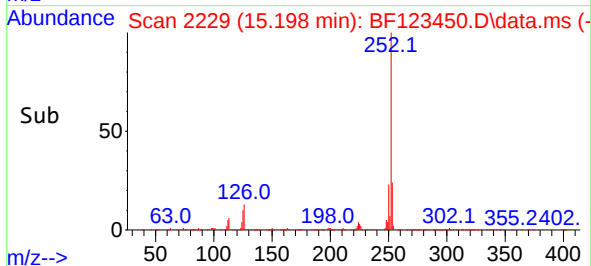
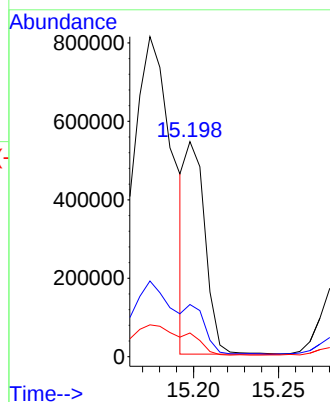
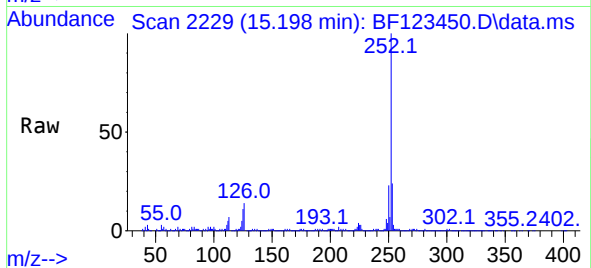
BNA_F

ClientSampled :

TP-8A

Manual Integrations
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mohammad
3/25/2021 11:50:27 AM



#90

Benzo(a)pyrene

Concen: 39.77 ng

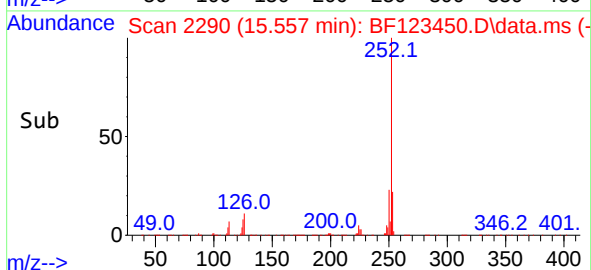
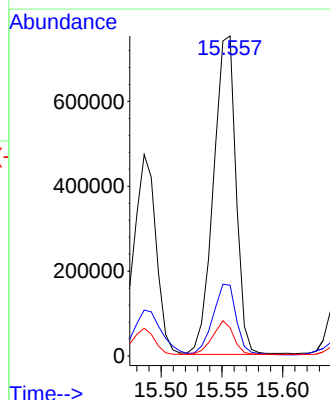
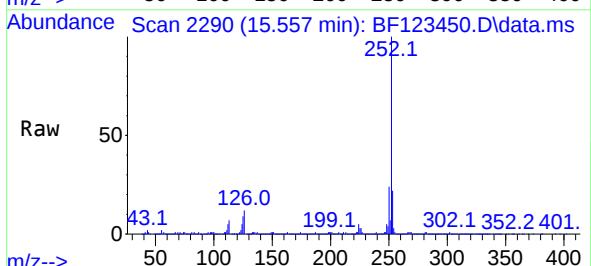
RT: 15.557 min Scan# 2290

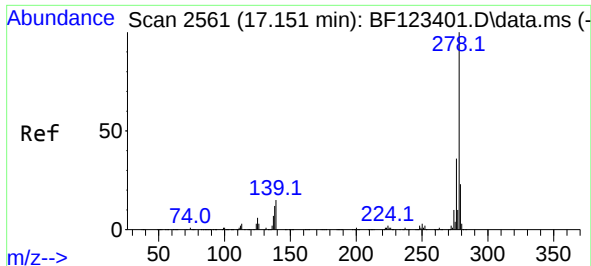
Delta R.T. 0.012 min

Lab File: BF123450.D

Acq: 24 Mar 2021 21:02

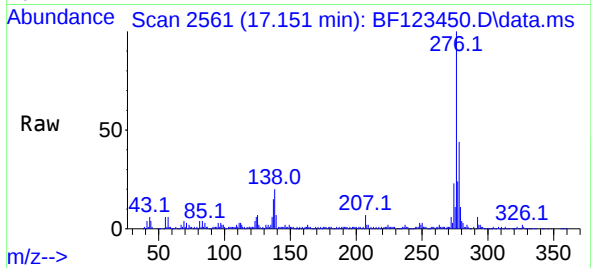
Tgt Ion:	252	Resp:	964600
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.5	26.3
125	8.8	8.6	12.8





#91
Dibenzo(a,h)anthracene
Concen: 6.06 ng
RT: 17.151 min Scan# 2561
Delta R.T. -0.006 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02

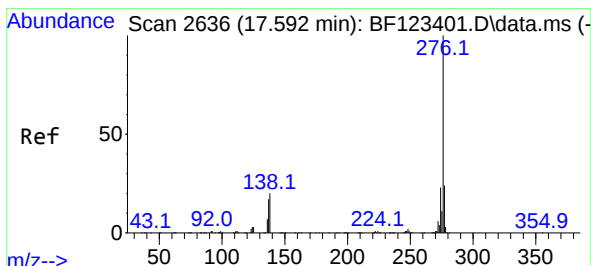
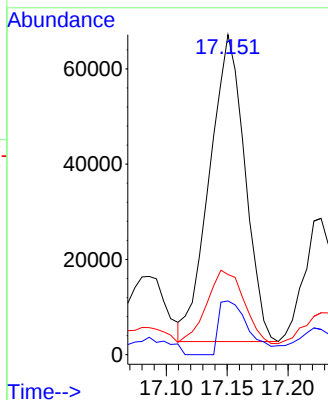
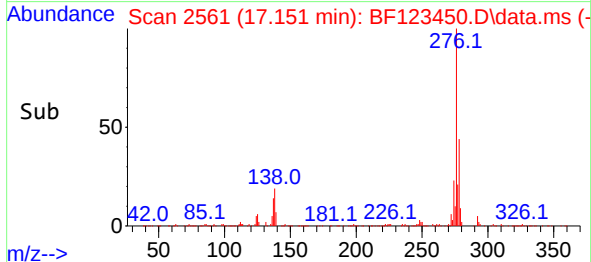
Instrument :
BNA_F
ClientSampled :
TP-8A



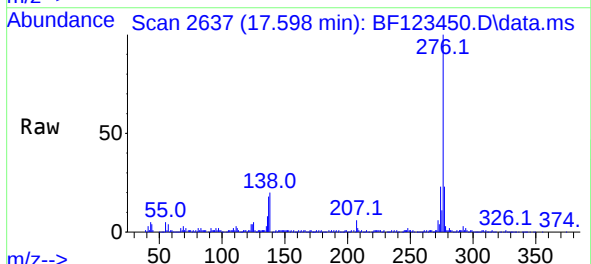
Tgt Ion:278 Resp: 130166
Ion Ratio Lower Upper
278 100
139 16.8 12.0 18.0
279 25.0 19.4 29.2

Manual Integrations
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mohammad
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#92
Benzo(g,h,i)perylene
Concen: 16.45 ng
RT: 17.598 min Scan# 2637
Delta R.T. 0.000 min
Lab File: BF123450.D
Acq: 24 Mar 2021 21:02



Tgt Ion:276 Resp: 353877
Ion Ratio Lower Upper
276 100
277 23.4 19.3 28.9
138 20.1 16.6 24.8

