

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
 Data File : BF123436.D
 Acq On : 24 Mar 2021 13:31
 Operator : JU/CG
 Sample : M1751-01 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-031921

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Quant Time: Mar 24 13:58:49 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	255230	20.00	ng	0.00
21) Naphthalene-d8	8.198	136	965880	20.00	ng	# 0.00
39) Acenaphthene-d10	9.957	164	515104	20.00	ng	0.00
64) Phenanthrene-d10	11.457	188	750463	20.00	ng	0.00
76) Chrysene-d12	14.110	240	400328	20.00	ng	0.00
86) Perylene-d12	15.615	264	504837	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	278589	17.86	ng	-0.01
7) Phenol-d6	6.522	99	352946	16.99	ng	-0.02
23) Nitrobenzene-d5	7.469	82	223128	12.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.745	330	81412	14.14	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	401593	11.14	ng	0.00
79) Terphenyl-d14	13.039	244	265526	11.24	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.222	128	2210798	42.57	ng	99
37) 2-Methylnaphthalene	8.910	142	430008	12.08	ng	99
38) 1-Methylnaphthalene	9.010	142	214263	6.41	ng	99
46) 1,1'-Biphenyl	9.375	154	152621	3.84	ng	97
52) Acenaphthene	9.998	154	1679686	53.12	ng	98
55) Dibenzo(furan	10.169	168	1862764	40.98	ng	98
58) Fluorene	10.516	166	2336609	68.09	ng	98
71) Phenanthrene	11.504	178	8964166	216.08	ng	93
72) Anthracene	11.545	178	3504470	83.98	ng	98
73) Carbazole	11.680	167	1668118	42.31	ng	99
75) Fluoranthene	12.686	202	6765959	150.62	ng	97
78) Pyrene	12.916	202	5356956	155.12	ng	96
81) Benzo(a)anthracene	14.098	228	2633327	100.50	ng	99
83) Chrysene	14.139	228	2084845	77.07	ng	96
87) Indeno(1,2,3-cd)pyrene	17.145	276	1330866	42.42	ng	96
88) Benzo(b)fluoranthene	15.180	252	2911406m	83.59	ng	
89) Benzo(k)fluoranthene	15.204	252	1053989m	32.01	ng	
90) Benzo(a)pyrene	15.563	252	2314574	76.99	ng	97
91) Dibenzo(a,h)anthracene	17.157	278	312490	11.73	ng	98
92) Benzo(g,h,i)perylene	17.609	276	1119688	42.00	ng	98

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

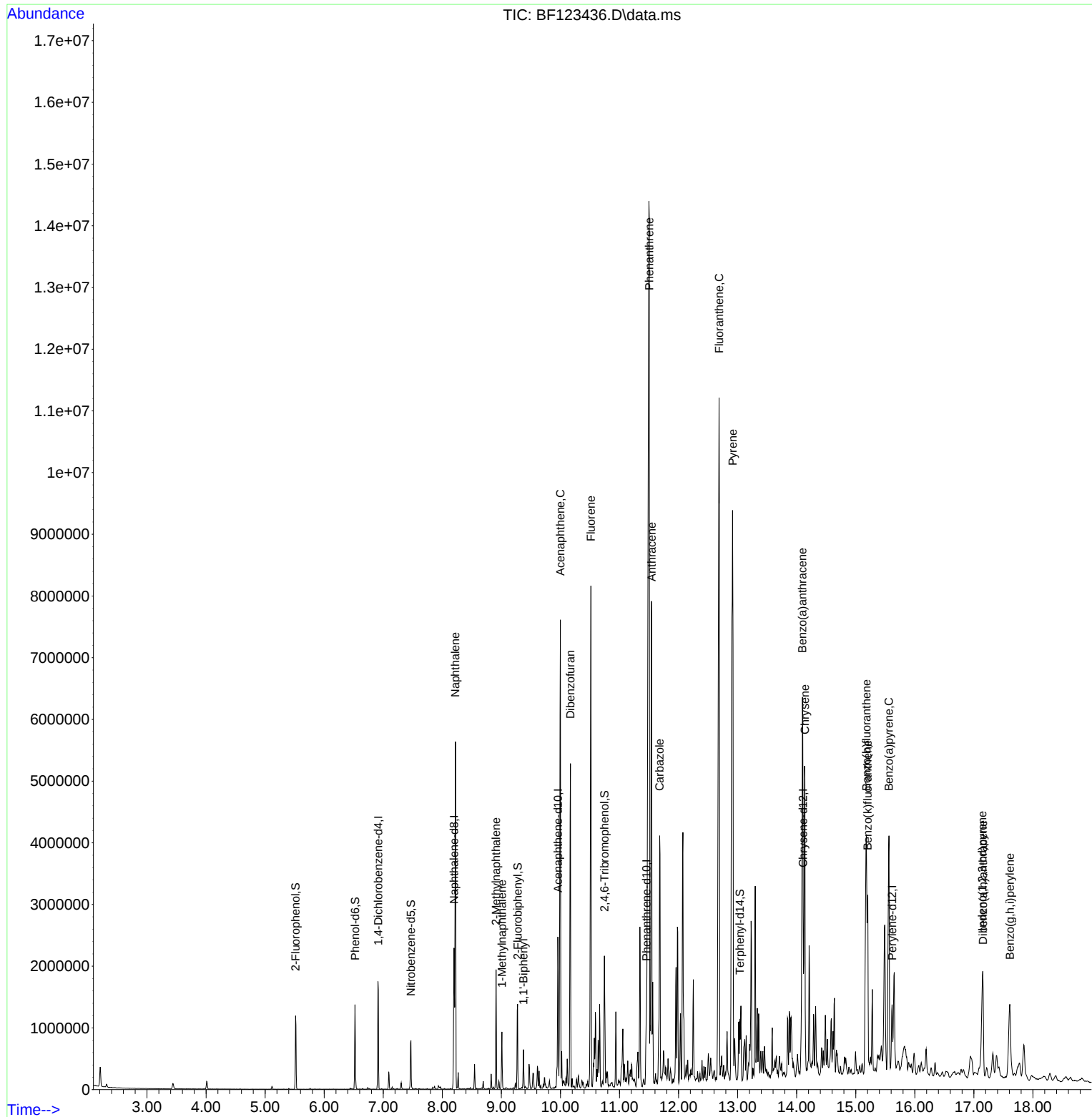
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Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
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Misc :
ALS Vial : 4 Sample Multiplier: 1

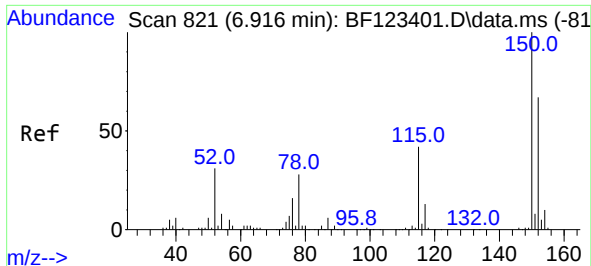
Instrument :
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ClientSampleId :
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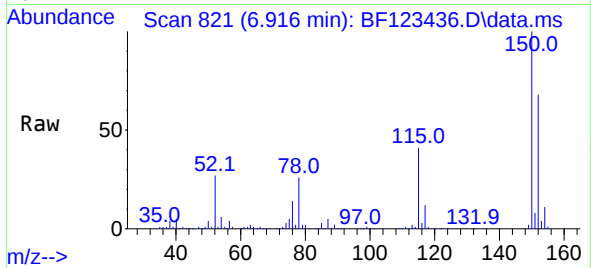
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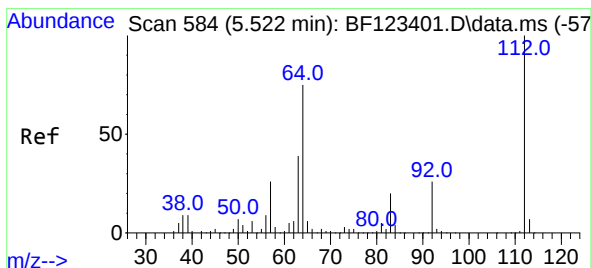
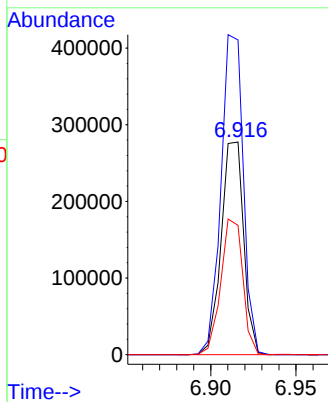
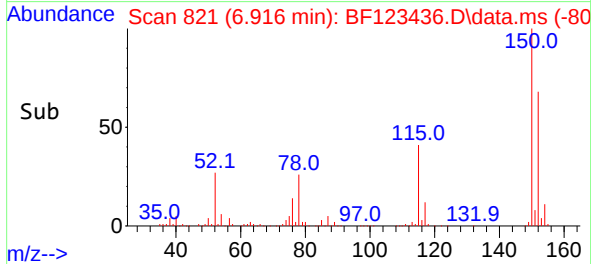




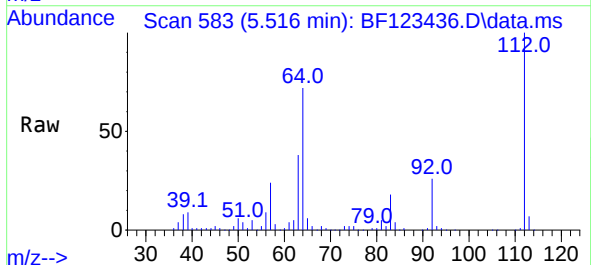
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1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.916 min Scan# 821
Delta R.T. 0.000 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31



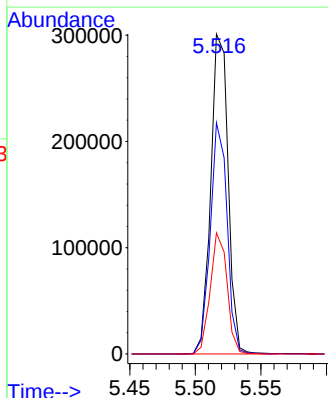
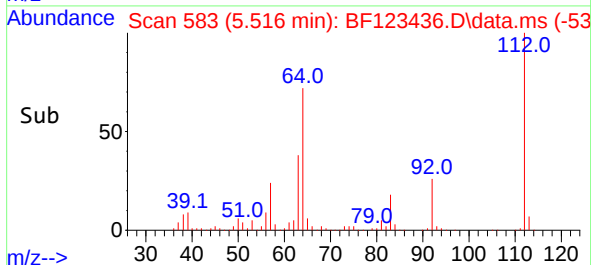
Tgt Ion:152 Resp: 255230
Ion Ratio Lower Upper
152 100
150 148.0 125.8 188.6
115 60.8 49.3 73.9



#5
2-Fluorophenol
Concen: 17.86 ng
RT: 5.516 min Scan# 583
Delta R.T. -0.012 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31



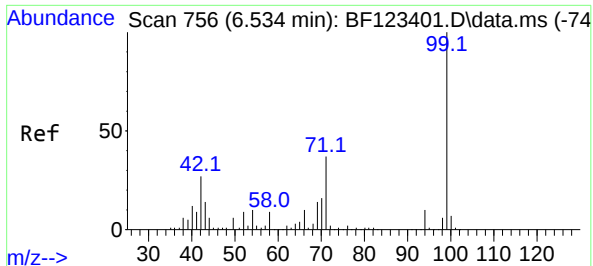
Tgt Ion:112 Resp: 278589
Ion Ratio Lower Upper
112 100
64 72.2 46.9 70.3#
63 37.8 24.5 36.7#



Instrument :
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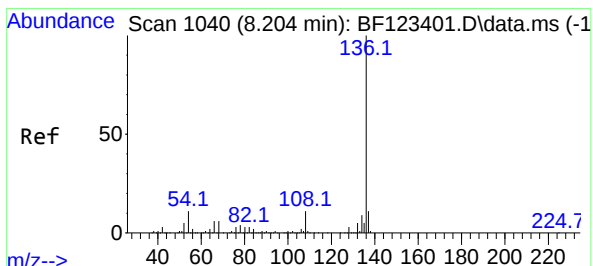
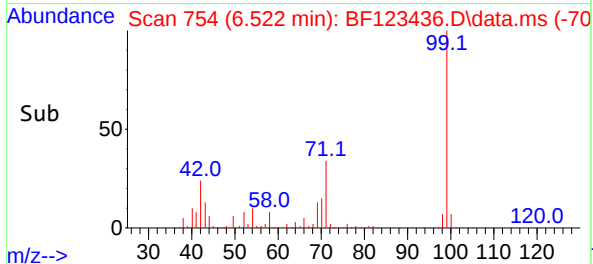
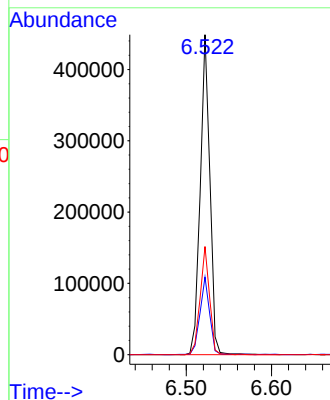
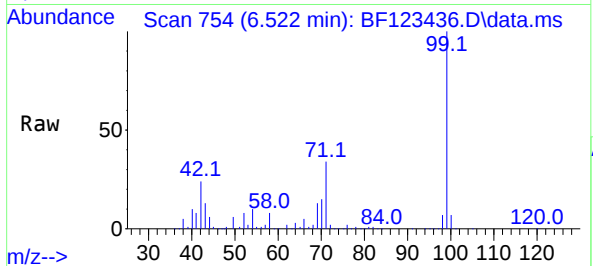
#7
Phenol-d6
Concen: 16.99 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.018 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

Tgt Ion: 99 Resp: 352946
Ion Ratio Lower Upper
99 100
42 24.2 13.8 20.6#
71 33.8 26.9 40.3

Instrument :
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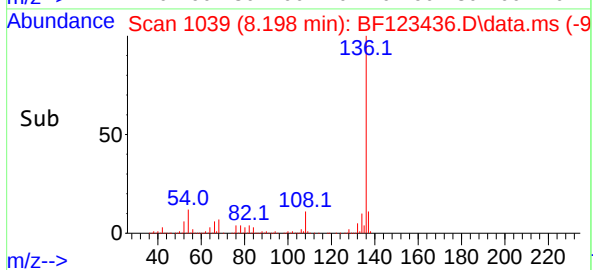
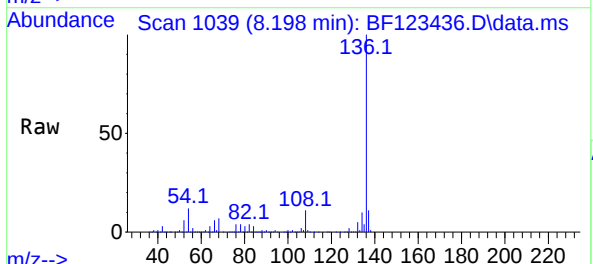
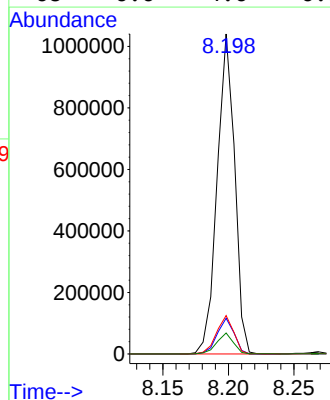
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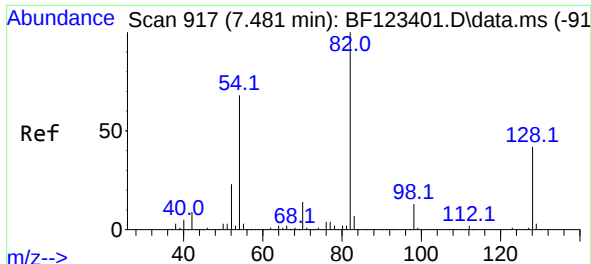
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

Tgt Ion: 136 Resp: 965880
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 12.0 5.5 8.3#
68 6.6 4.6 6.8





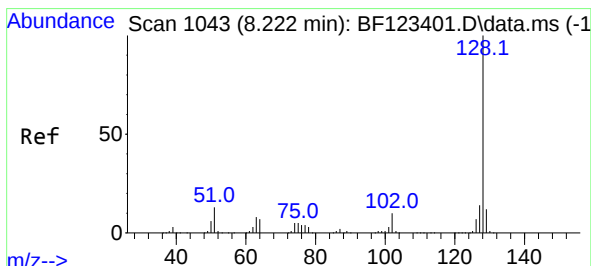
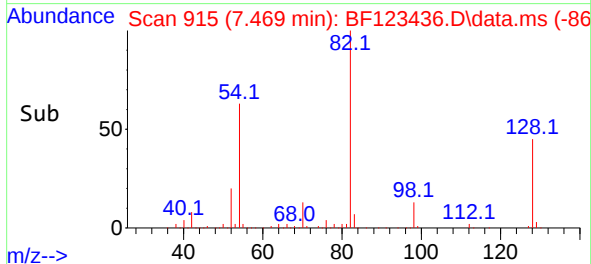
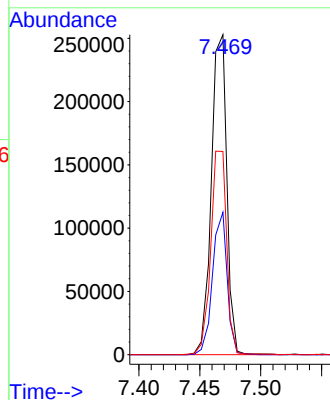
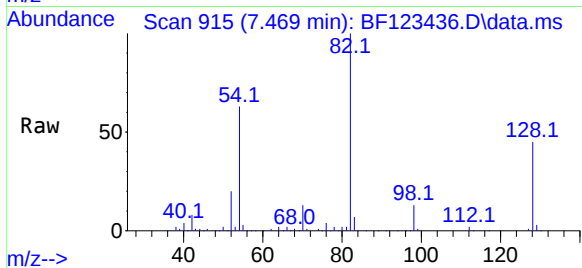
#23
Nitrobenzene-d5
Concen: 12.47 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.012 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

Tgt Ion: 82 Resp: 223128
Ion Ratio Lower Upper
82 100
128 44.5 37.0 55.4
54 63.5 38.4 57.6#

Instrument :
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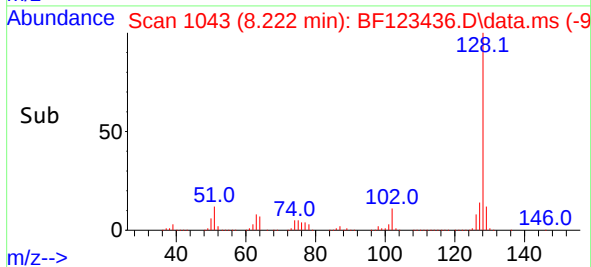
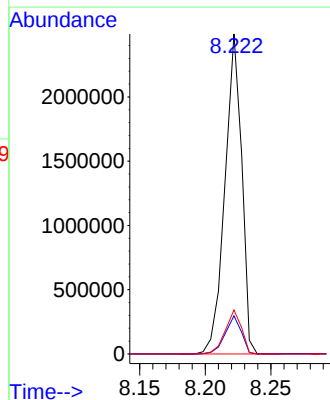
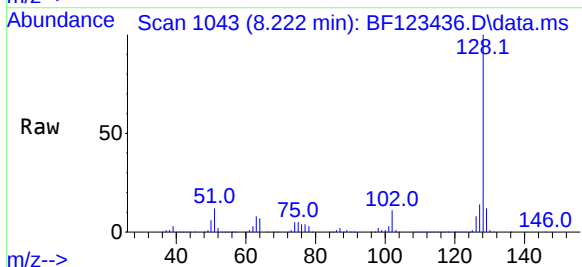
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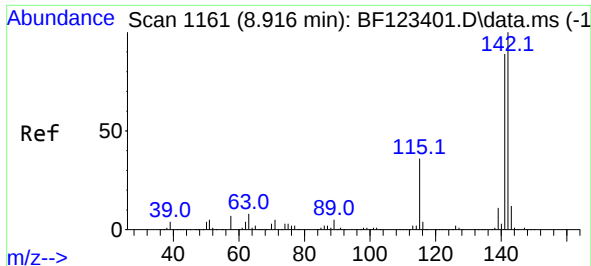
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#31
Naphthalene
Concen: 42.57 ng
RT: 8.222 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

Tgt Ion: 128 Resp: 2210798
Ion Ratio Lower Upper
128 100
129 11.9 9.0 13.6
127 13.7 10.7 16.1





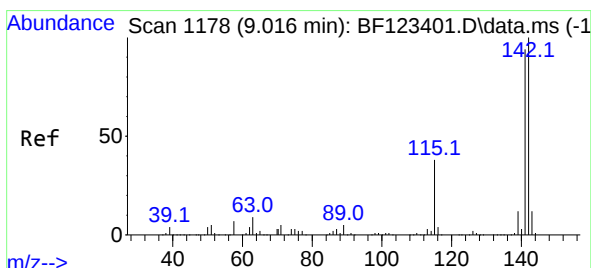
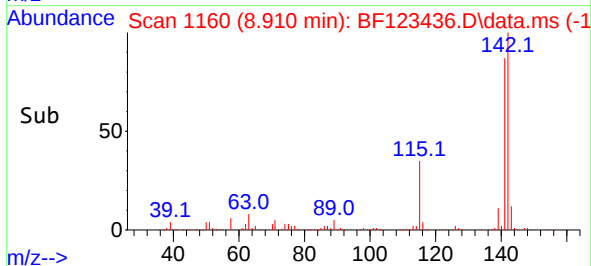
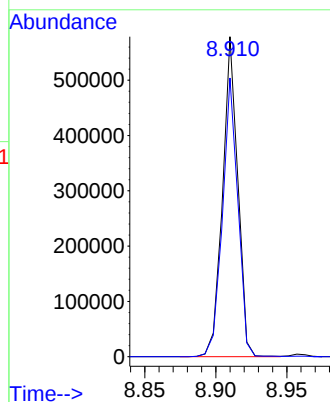
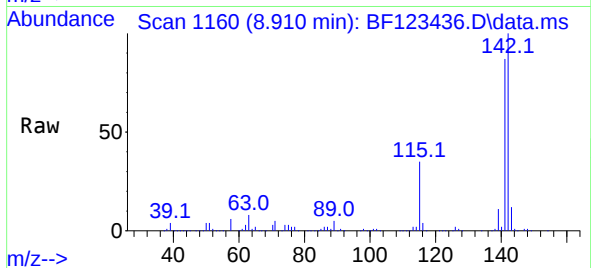
#37
2-Methylnaphthalene
Concen: 12.08 ng
RT: 8.910 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

Tgt Ion:142 Resp: 430008
Ion Ratio Lower Upper
142 100
141 87.1 70.6 106.0

Instrument :
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ClientSampled :
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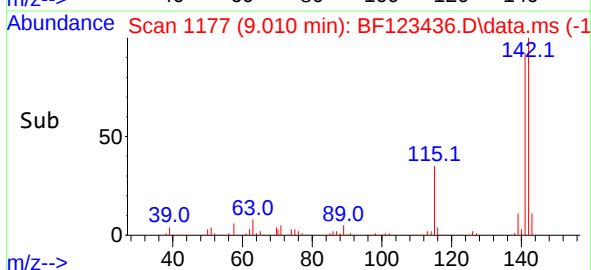
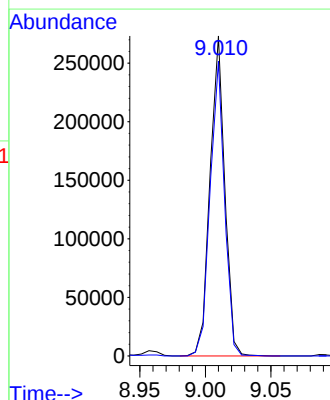
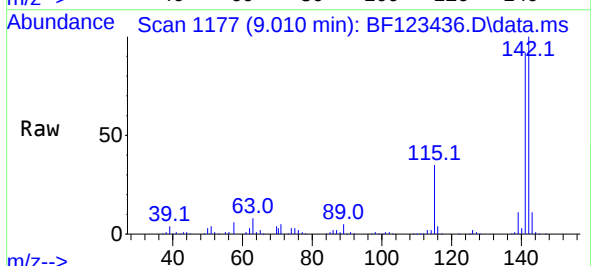
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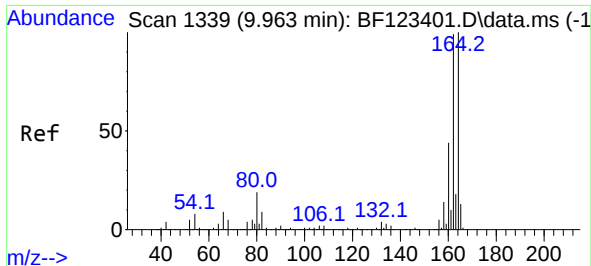
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#38
1-Methylnaphthalene
Concen: 6.41 ng
RT: 9.010 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

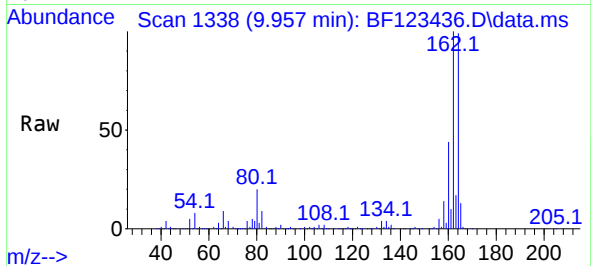
Tgt Ion:142 Resp: 214263
Ion Ratio Lower Upper
142 100
141 92.1 74.5 111.7





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

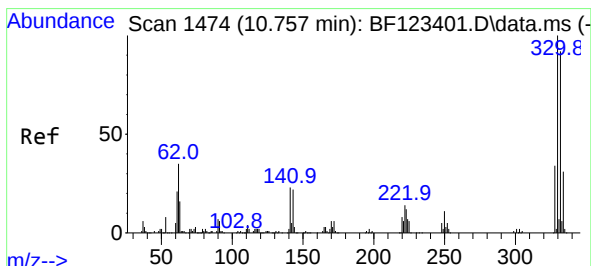
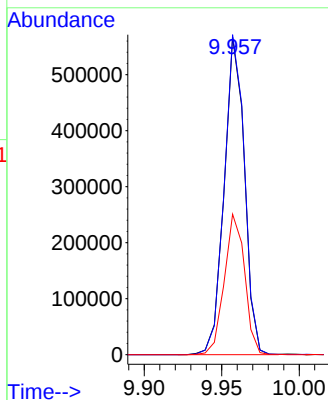
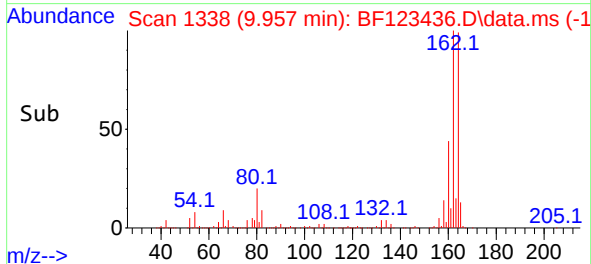
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ClientSampleId :
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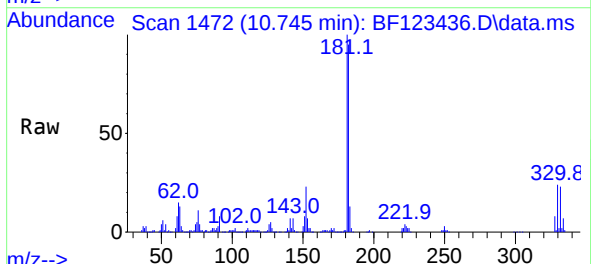
Tgt Ion:164 Resp: 515104
Ion Ratio Lower Upper
164 100
162 100.8 80.8 121.2
160 44.3 35.4 53.0

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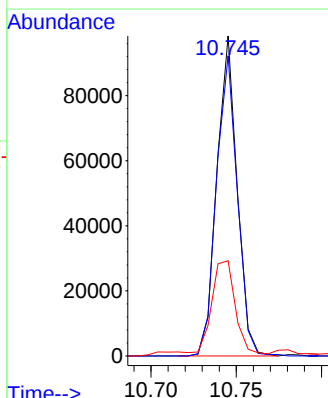
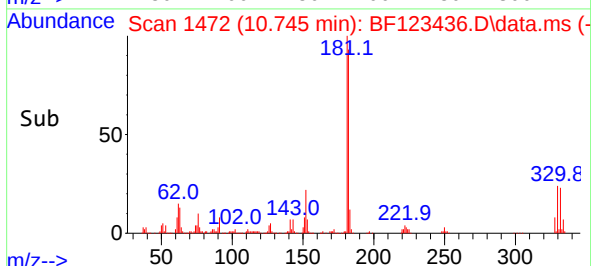
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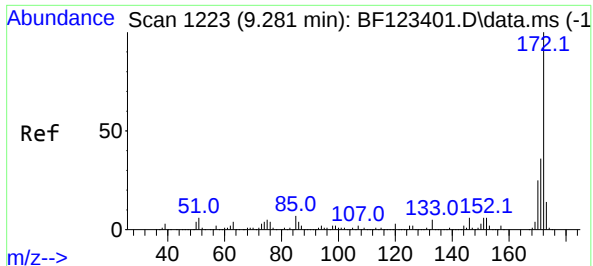


#42
2,4,6-Tribromophenol
Concen: 14.14 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.012 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31



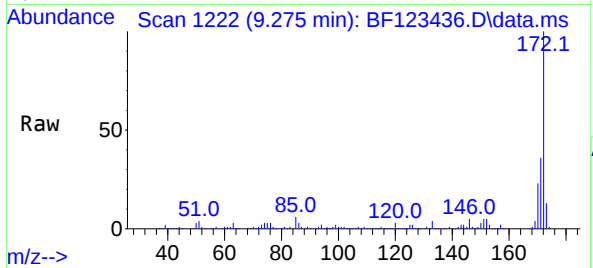
Tgt Ion:330 Resp: 81412
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 34.1 23.8 35.8





#45
2-Fluorobiphenyl
Concen: 11.14 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

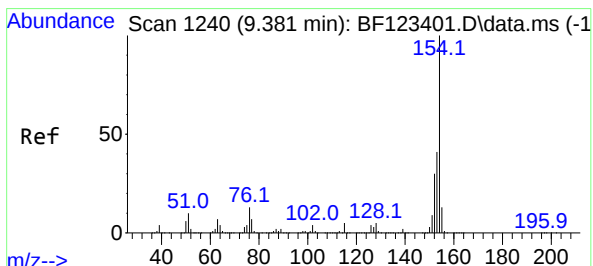
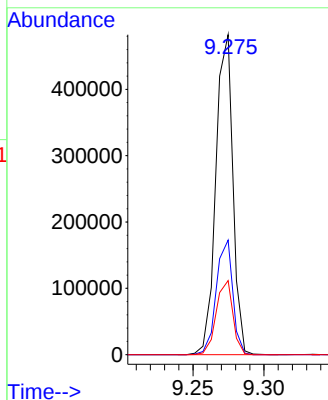
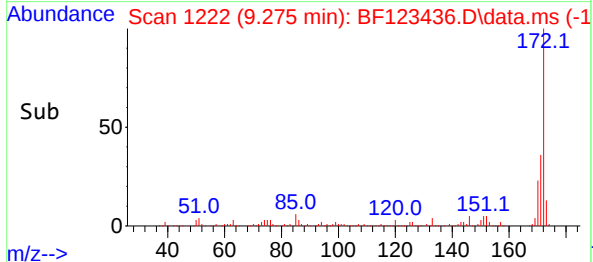
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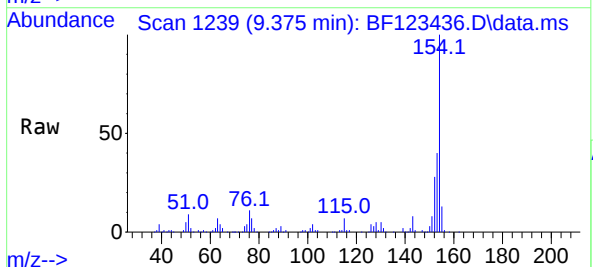
Tgt Ion:172 Resp: 401593
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.1 19.5 29.3

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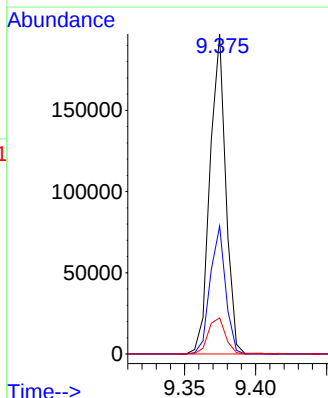
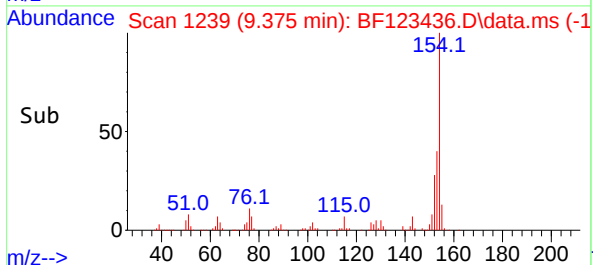
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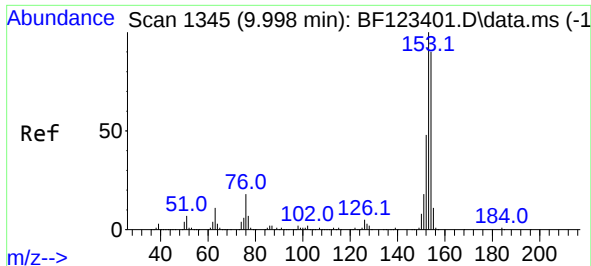


#46
1,1'-Biphenyl
Concen: 3.84 ng
RT: 9.375 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

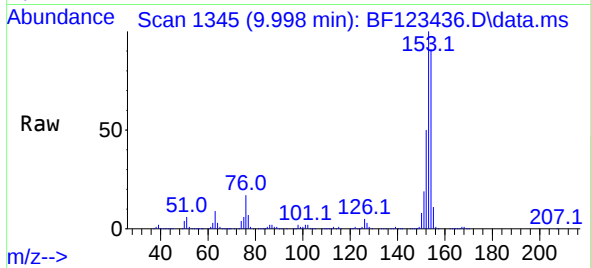


Tgt Ion:154 Resp: 152621
Ion Ratio Lower Upper
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153 40.0 21.8 61.8
76 11.3 0.0 33.4

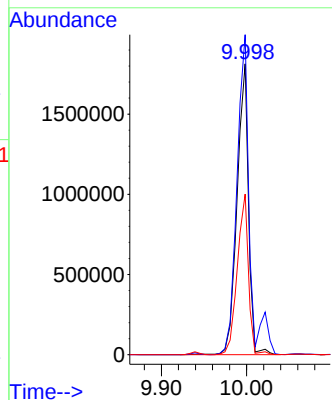




#52
Acenaphthene
Concen: 53.12 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31



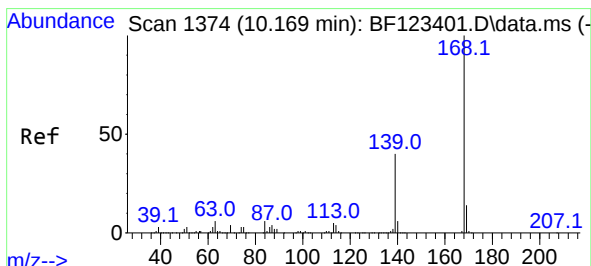
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153 110.0 89.0 133.6
152 55.2 42.7 64.1



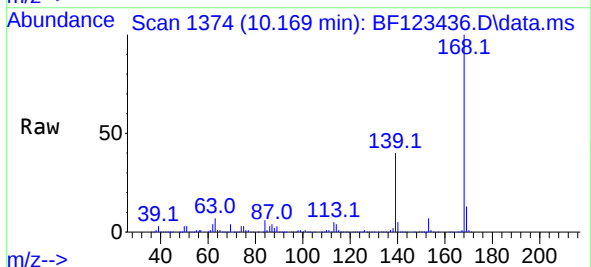
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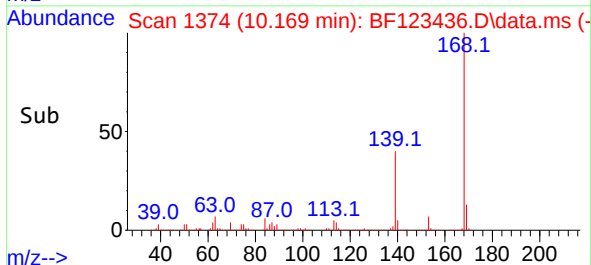
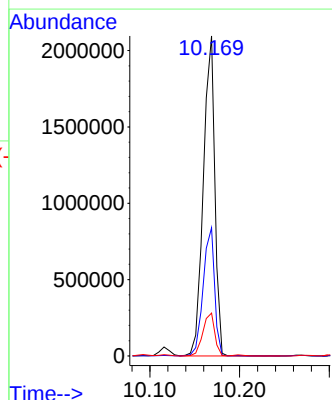
mohammad
3/25/2021 11:50:12 AM

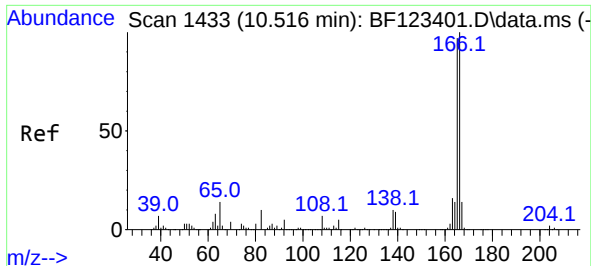


#55
Dibenzofuran
Concen: 40.98 ng
RT: 10.169 min Scan# 1374
Delta R.T. -0.000 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31



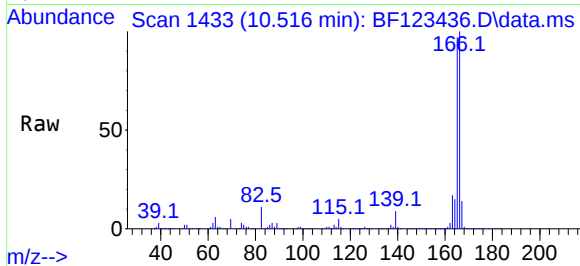
Tgt Ion:168 Resp: 1862764
Ion Ratio Lower Upper
168 100
139 40.1 31.3 46.9
169 13.4 11.2 16.8





#58
Fluorene
Concen: 68.09 ng
RT: 10.516 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

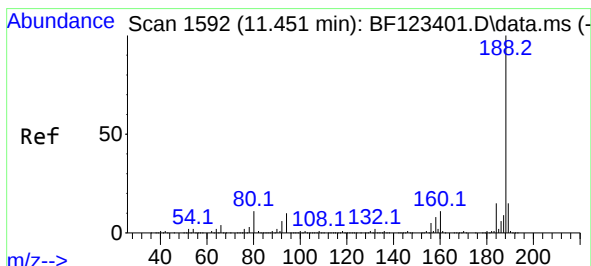
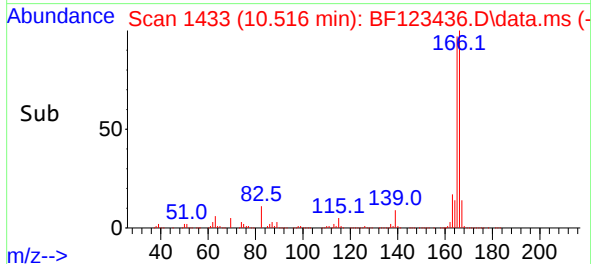
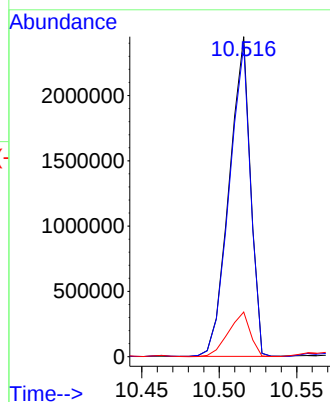
Instrument :
BNA_F
ClientSampleId :
BU-03-031921



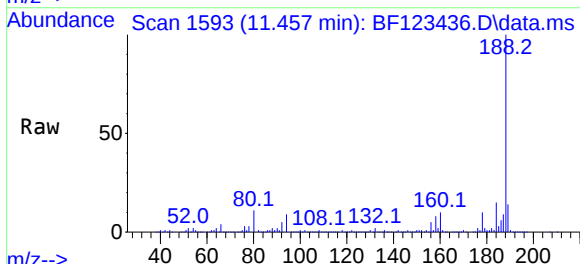
Tgt Ion:166 Resp: 2336609
Ion Ratio Lower Upper
166 100
165 97.3 79.4 119.0
167 13.9 10.9 16.3

Manual Integrations
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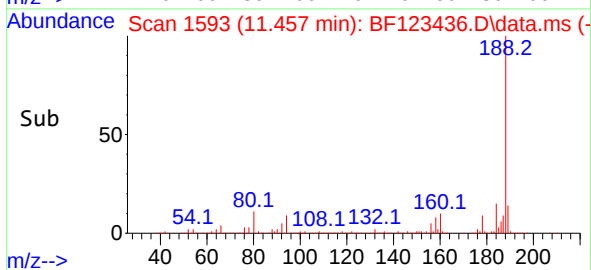
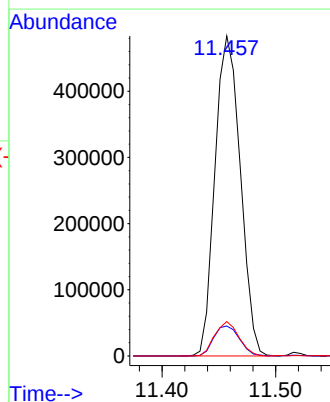
mohammad
3/25/2021 11:50:12 AM

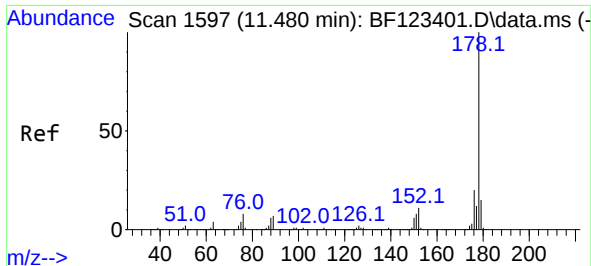


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.457 min Scan# 1593
Delta R.T. 0.006 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31



Tgt Ion:188 Resp: 750463
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.8 8.2 12.4





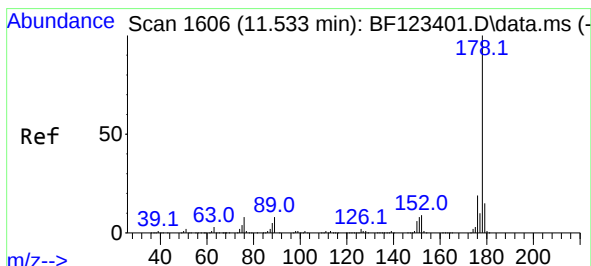
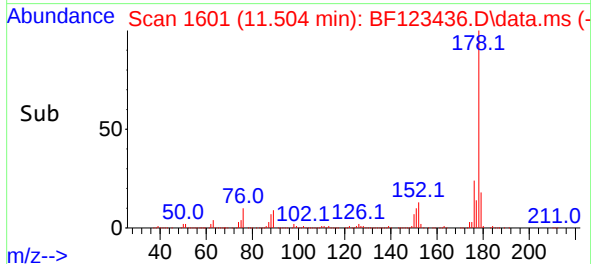
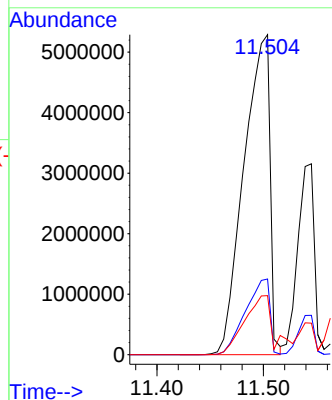
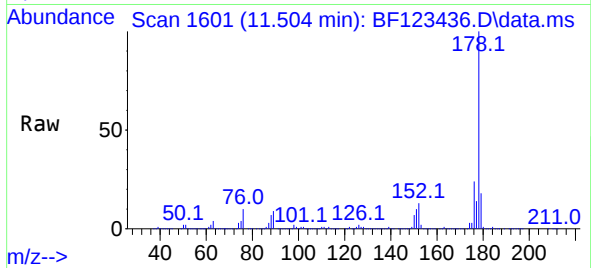
#71
Phenanthrene
Concen: 216.08 ng
RT: 11.504 min Scan# 1601
Delta R.T. 0.024 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

Tgt Ion:178 Resp: 8964166
Ion Ratio Lower Upper
178 100
176 23.6 16.2 24.2
179 18.4 12.7 19.1

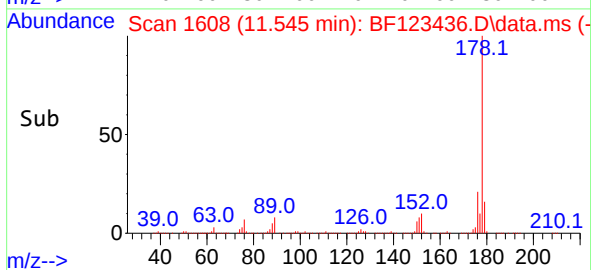
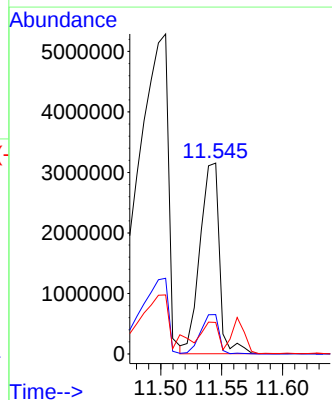
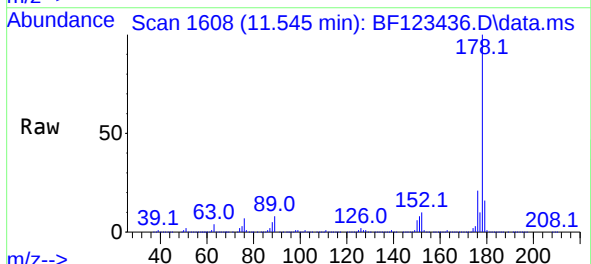
Manual Integrations
APPROVED

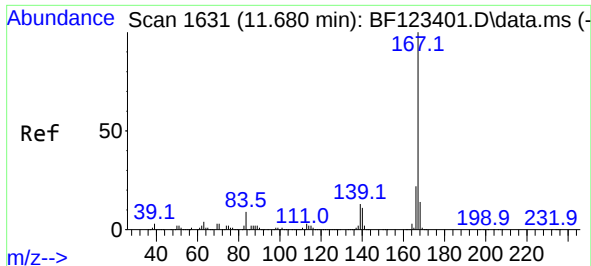
mohammad
3/25/2021 11:50:12 AM



#72
Anthracene
Concen: 83.98 ng
RT: 11.545 min Scan# 1608
Delta R.T. 0.012 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

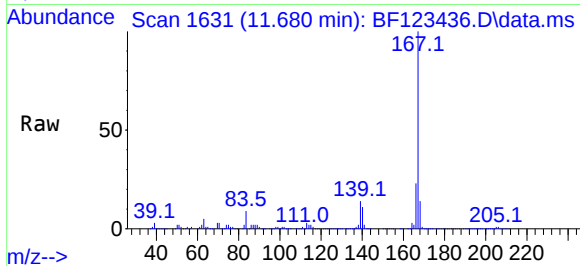
Tgt Ion:178 Resp: 3504470
Ion Ratio Lower Upper
178 100
176 20.6 15.6 23.4
179 16.5 12.8 19.2





#73
 Carbazole
 Concen: 42.31 ng
 RT: 11.680 min Scan# 1631
 Delta R.T. -0.006 min
 Lab File: BF123436.D
 Acq: 24 Mar 2021 13:31

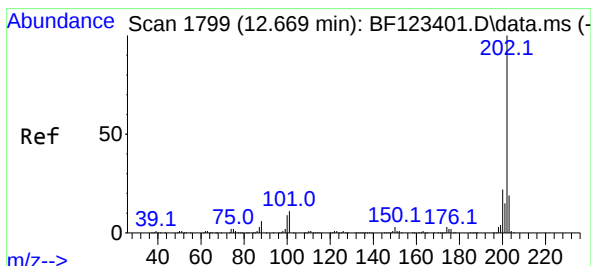
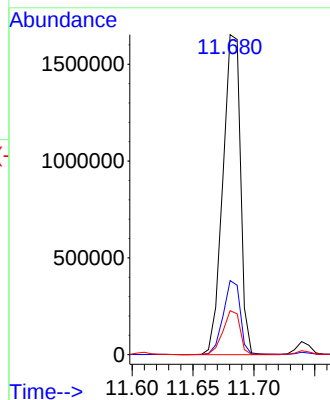
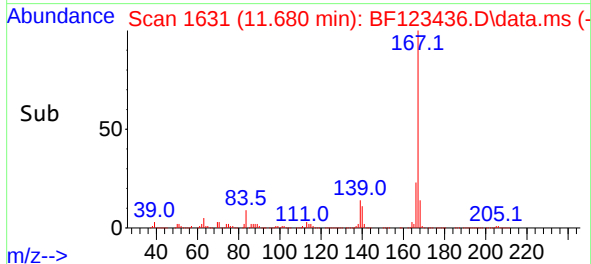
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-031921



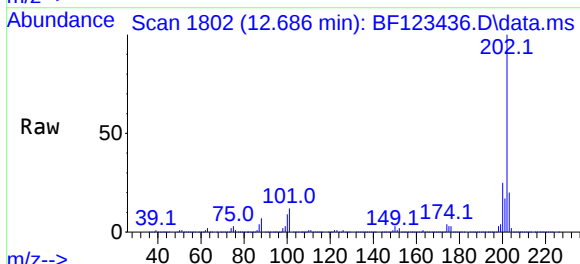
Tgt Ion:167 Resp: 1668118
 Ion Ratio Lower Upper
 167 100
 166 23.2 18.0 27.0
 139 13.8 10.9 16.3

Manual Integrations
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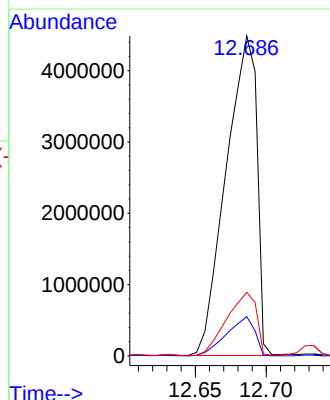
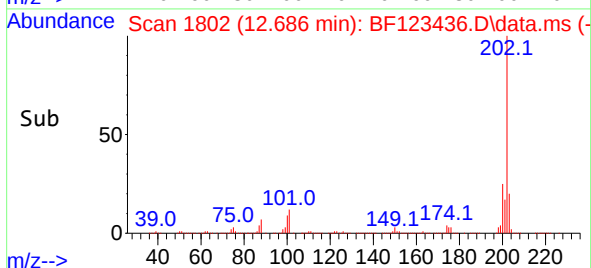
mohammad
 3/25/2021 11:50:12 AM

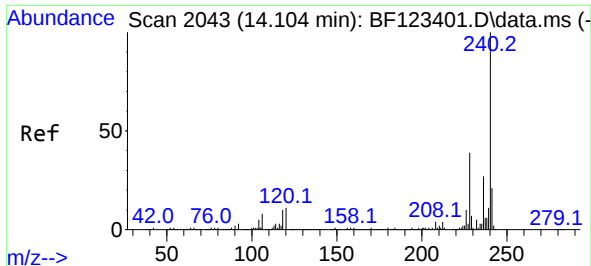


#75
 Fluoranthene
 Concen: 150.62 ng
 RT: 12.686 min Scan# 1802
 Delta R.T. 0.012 min
 Lab File: BF123436.D
 Acq: 24 Mar 2021 13:31



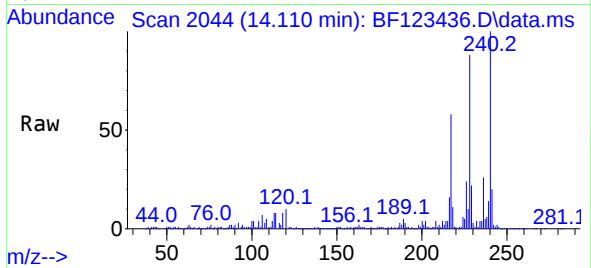
Tgt Ion:202 Resp: 6765959
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 32.2
 203 19.9 0.0 38.1





#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.000 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

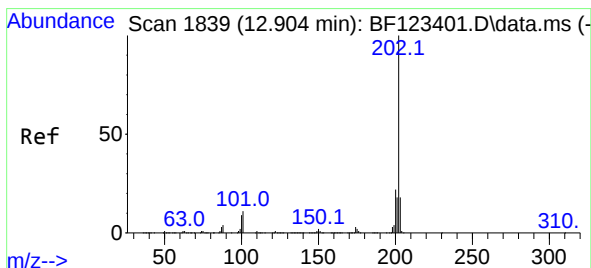
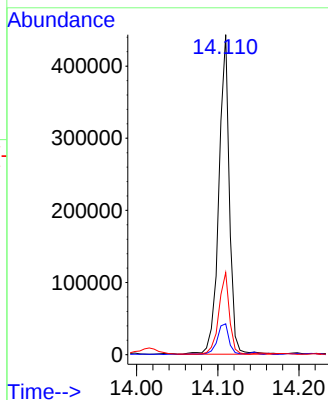
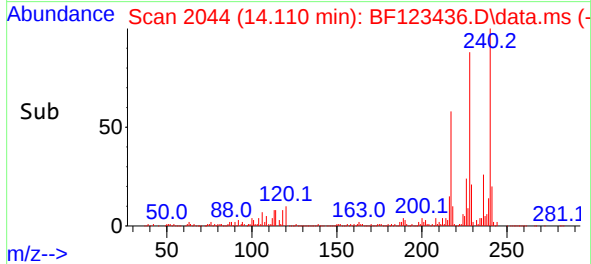
Instrument :
BNA_F
ClientSampleId :
BU-03-031921



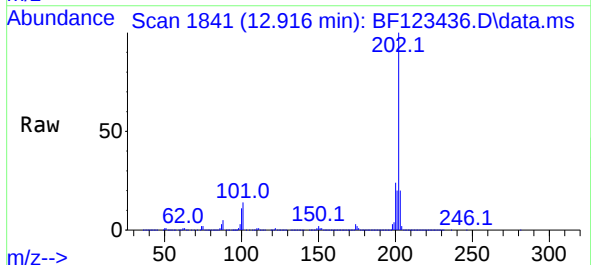
Tgt Ion:240 Resp: 400328
Ion Ratio Lower Upper
240 100
120 9.6 8.6 12.8
236 25.7 20.3 30.5

Manual Integrations
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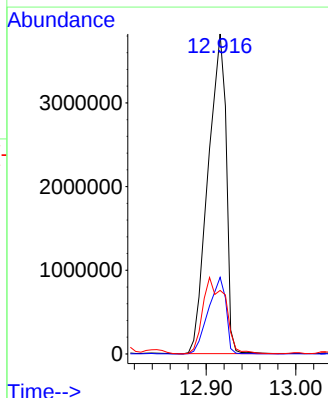
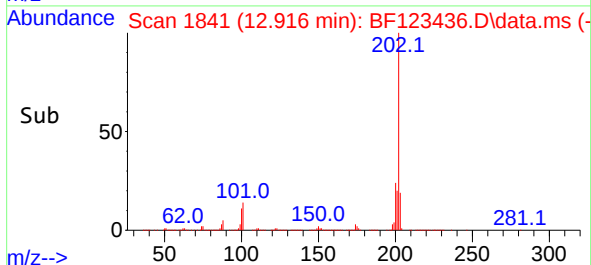
mohammad
3/25/2021 11:50:12 AM

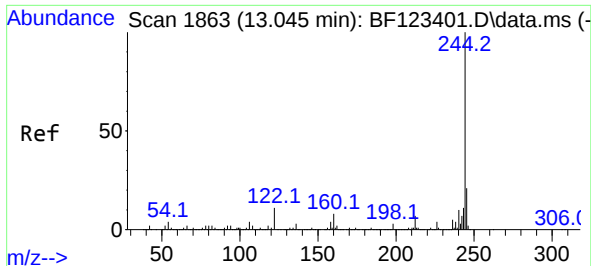


#78
Pyrene
Concen: 155.12 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.012 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31



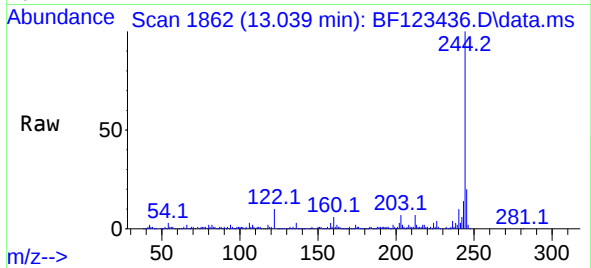
Tgt Ion:202 Resp: 5356956
Ion Ratio Lower Upper
202 100
200 24.0 17.6 26.4
203 19.9 14.6 21.8





#79
Terphenyl-d14
Concen: 11.24 ng
RT: 13.039 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

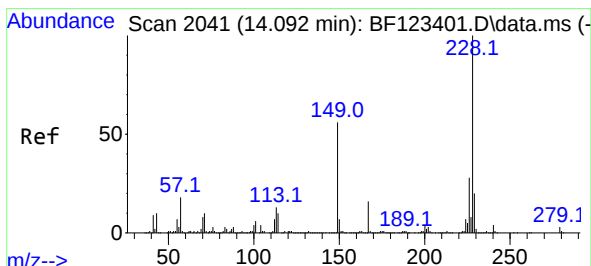
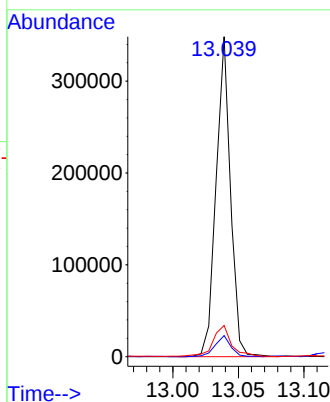
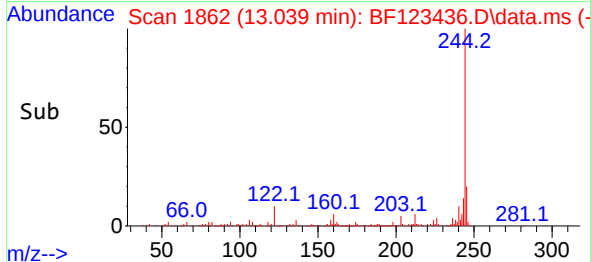
Instrument :
BNA_F
ClientSampleId :
BU-03-031921



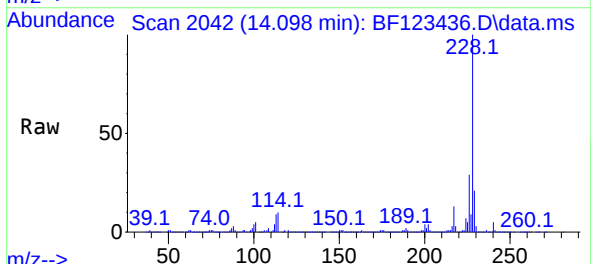
Tgt Ion:244 Resp: 265526
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 9.8 8.3 12.5

Manual Integrations
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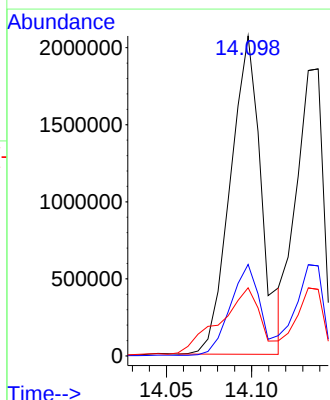
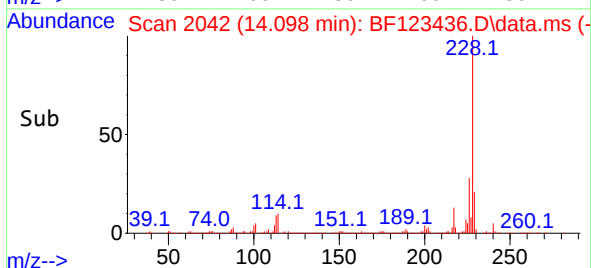
mohammad
3/25/2021 11:50:12 AM

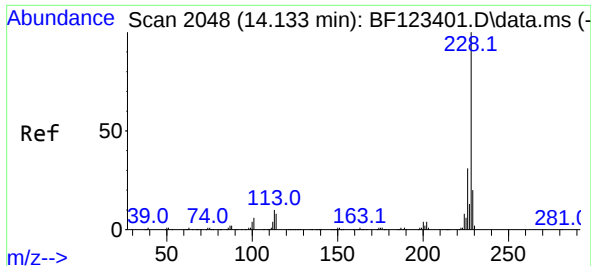


#81
Benzo(a)anthracene
Concen: 100.50 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31



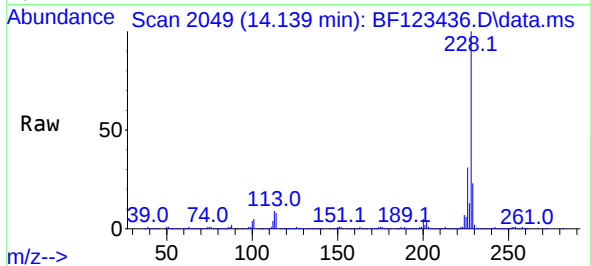
Tgt Ion:228 Resp: 2633327
Ion Ratio Lower Upper
228 100
226 28.6 23.0 34.4
229 21.3 16.6 24.8





#83
Chrysene
Concen: 77.07 ng
RT: 14.139 min Scan# 2049
Delta R.T. 0.006 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

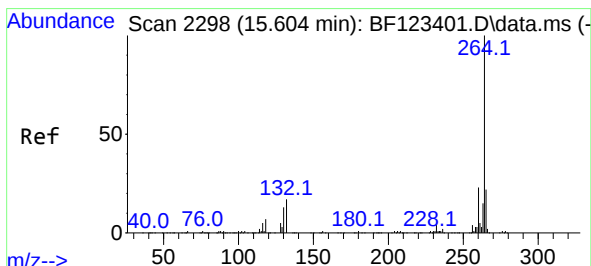
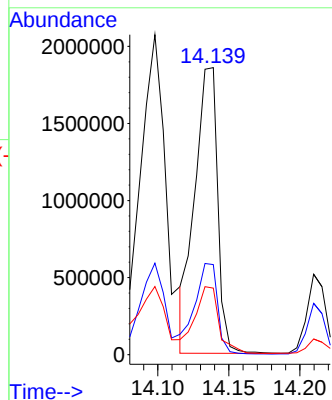
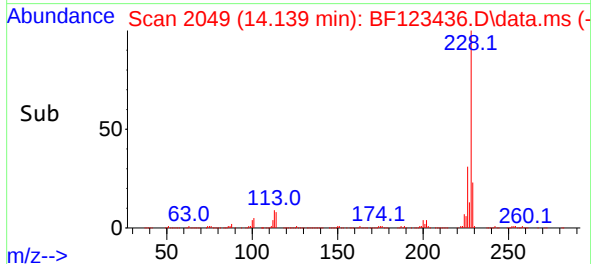
Instrument :
BNA_F
ClientSampleId :
BU-03-031921



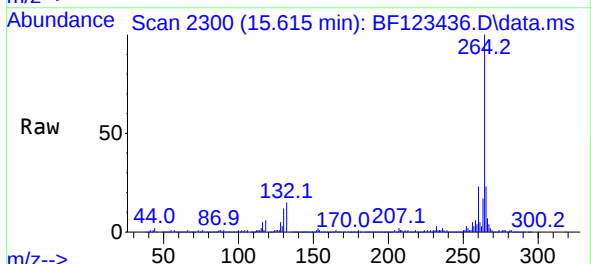
Tgt Ion:228 Resp: 2084845
Ion Ratio Lower Upper
228 100
226 31.4 24.6 36.8
229 23.2 15.8 23.6

Manual Integrations
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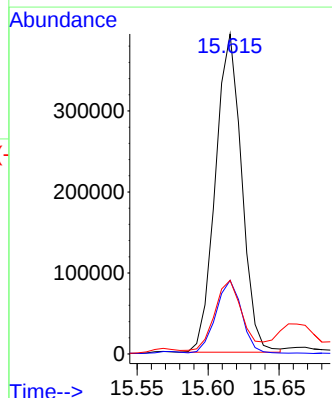
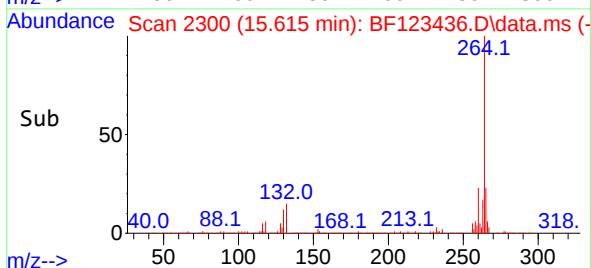
mohammad
3/25/2021 11:50:12 AM

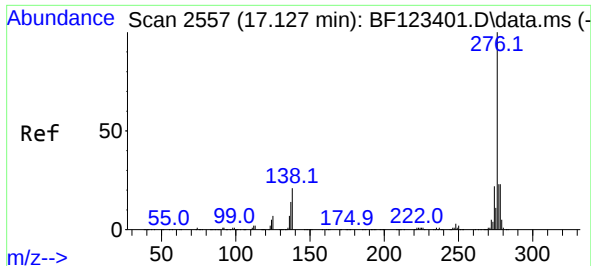


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.615 min Scan# 2300
Delta R.T. 0.006 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31



Tgt Ion:264 Resp: 504837
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 23.0 17.0 25.6





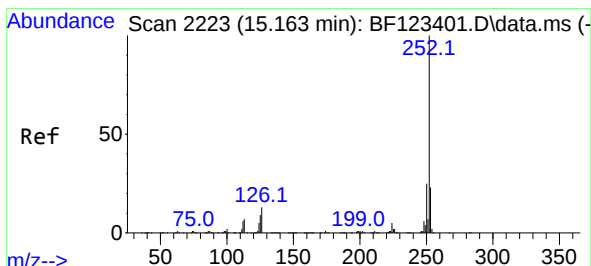
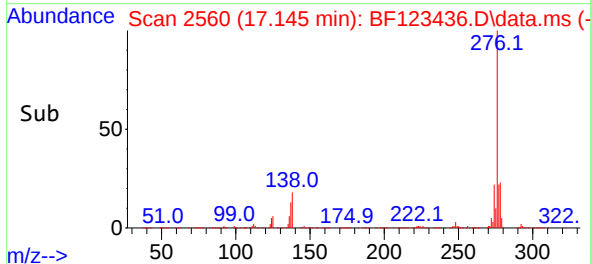
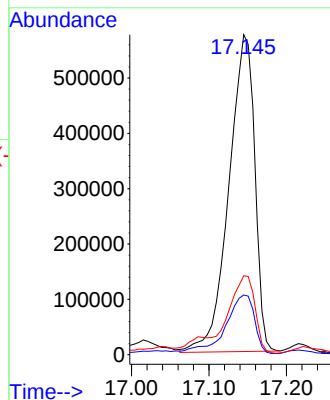
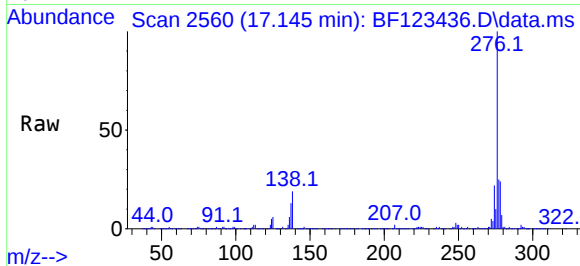
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.42 ng
RT: 17.145 min Scan# 2560
Delta R.T. 0.012 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

Tgt Ion:276 Resp: 1330866
Ion Ratio Lower Upper
276 100
138 20.6 18.7 28.1
277 24.3 20.2 30.4

Instrument :
BNA_F
ClientSampled :
BU-03-031921

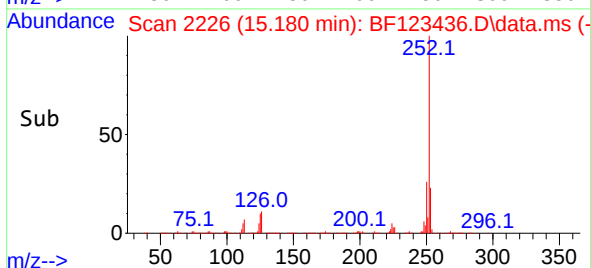
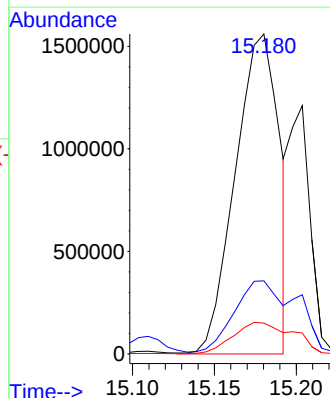
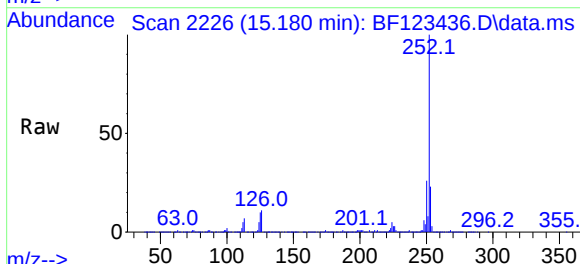
Manual Integrations
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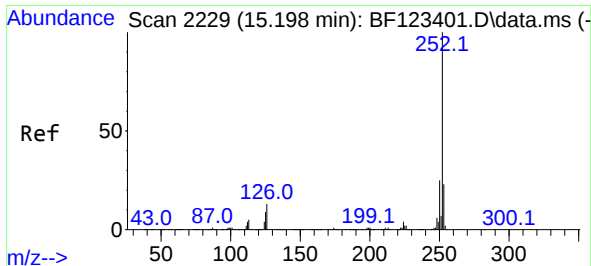
mohammad
3/25/2021 11:50:12 AM



#88
Benzo(b)fluoranthene
Concen: 83.59 ng m
RT: 15.180 min Scan# 2226
Delta R.T. 0.012 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

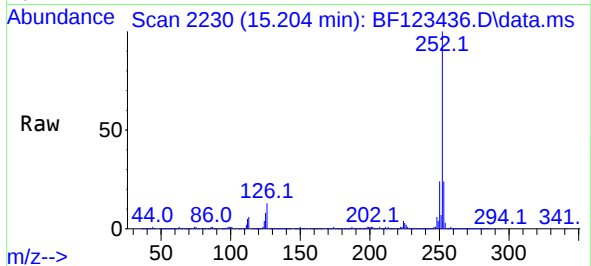
Tgt Ion:252 Resp: 2911406
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 9.7 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 32.01 ng m
RT: 15.204 min Scan# 2230
Delta R.T. 0.006 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

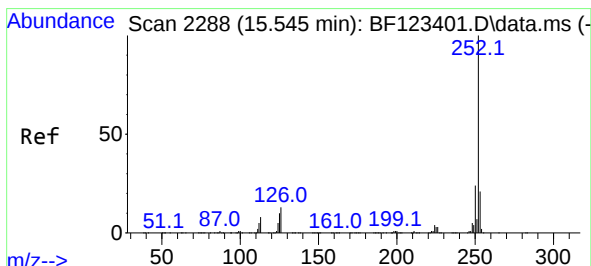
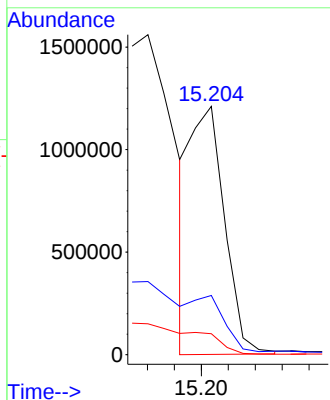
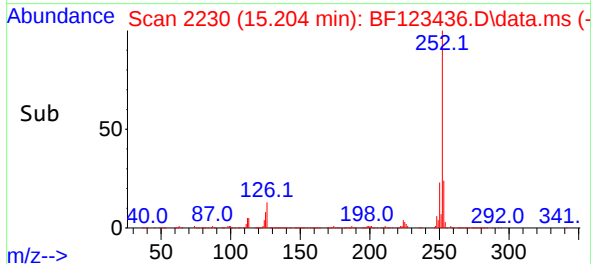
Instrument :
BNA_F
ClientSampleId :
BU-03-031921



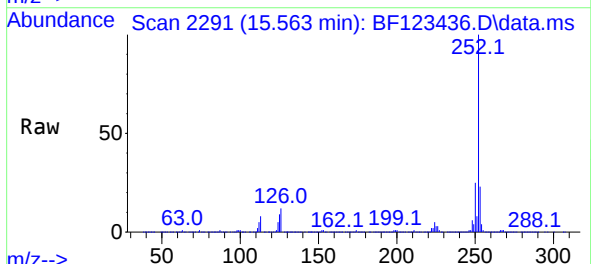
Tgt Ion:252 Resp: 1053989
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 8.5 8.4 12.6

Manual Integrations
APPROVED

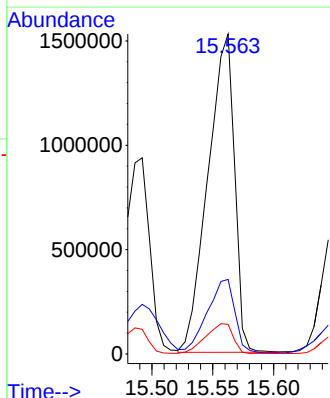
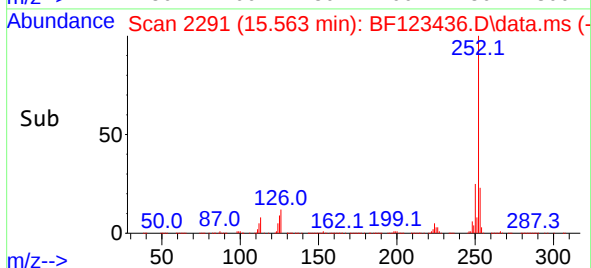
mohammad
3/25/2021 11:50:12 AM

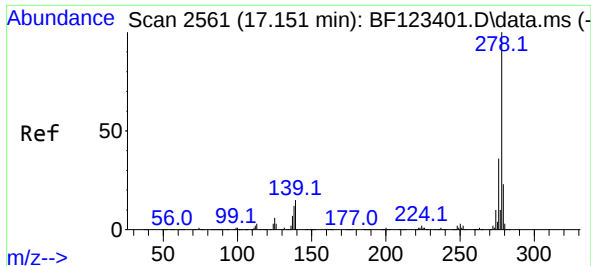


#90
Benzo(a)pyrene
Concen: 76.99 ng
RT: 15.563 min Scan# 2291
Delta R.T. 0.018 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31

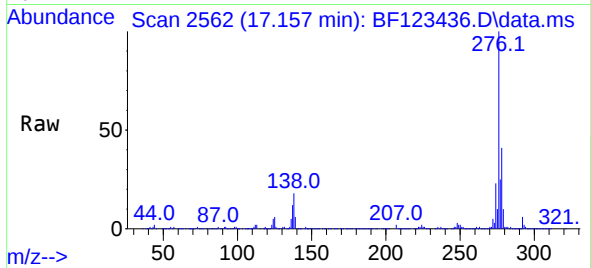


Tgt Ion:252 Resp: 2314574
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 9.3 8.6 12.8

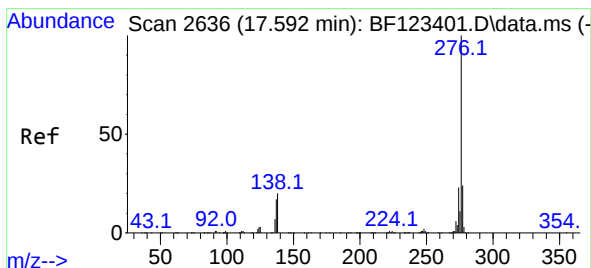
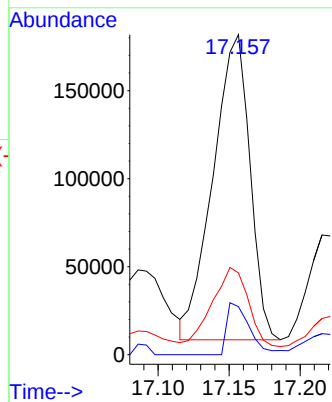
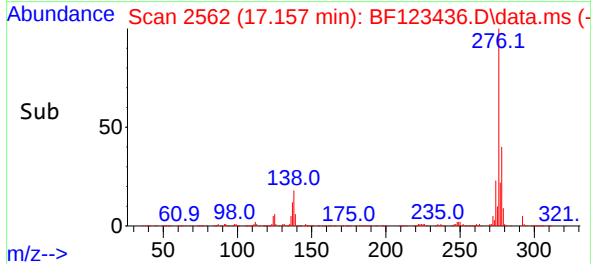




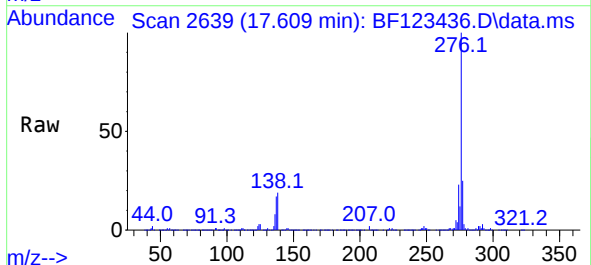
#91
Dibenzo(a,h)anthracene
Concen: 11.73 ng
RT: 17.157 min Scan# 2562
Delta R.T. -0.000 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31



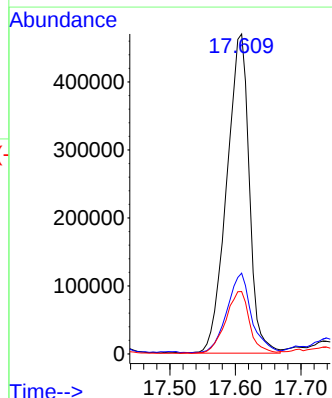
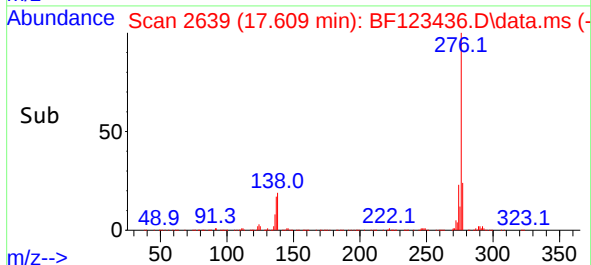
Tgt Ion:278 Resp: 312490
Ion Ratio Lower Upper
278 100
139 15.0 12.0 18.0
279 25.5 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 42.00 ng
RT: 17.609 min Scan# 2639
Delta R.T. 0.012 min
Lab File: BF123436.D
Acq: 24 Mar 2021 13:31



Tgt Ion:276 Resp: 1119688
Ion Ratio Lower Upper
276 100
277 25.2 19.3 28.9
138 19.5 16.6 24.8



Instrument :
BNA_F
ClientSampleId :
BU-03-031921

Manual Integrations
APPROVED

mohammad
3/25/2021 11:50:12 AM