

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021121\
 Data File : BF123188.D
 Acq On : 11 Feb 2021 16:31
 Operator : JU/CG
 Sample : M1380-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-WC-C-002

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mohammad
 2/12/2021 11:24:00 AM

Quant Time: Feb 11 17:15:13 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 14:10:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	132302	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	517542	20.00	ng	0.00
39) Acenaphthene-d10	9.922	164	280930	20.00	ng	0.00
64) Phenanthrene-d10	11.416	188	523705	20.00	ng	0.00
76) Chrysene-d12	14.068	240	385104	20.00	ng	0.00
86) Perylene-d12	15.551	264	353871	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	15378	1.79	ng	0.00
7) Phenol-d6	6.498	99	232542	20.00	ng	-0.01
23) Nitrobenzene-d5	7.439	82	564062	54.85	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	124	0.04	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1081177	57.21	ng	0.00
79) Terphenyl-d14	13.010	244	1232961	62.90	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.692	82	62503	3.32	ng	98
31) Naphthalene	8.187	128	378117	13.32	ng	99
37) 2-Methylnaphthalene	8.881	142	87211	4.63	ng	100
38) 1-Methylnaphthalene	8.981	142	42093	2.36	ng	97
52) Acenaphthene	9.957	154	150553	8.30	ng	98
55) Dibenzofuran	10.128	168	195214	7.40	ng	98
58) Fluorene	10.475	166	246504	11.69	ng	97
71) Phenanthrene	11.445	178	2029246	62.39	ng	100
72) Anthracene	11.492	178	573039	18.37	ng	98
73) Carbazole	11.645	167	316535	10.93	ng	98
75) Fluoranthene	12.639	202	1995859	61.39	ng	99
78) Pyrene	12.869	202	1568669	53.96	ng	99
81) Benzo(a)anthracene	14.057	228	861465	33.05	ng	99
83) Chrysene	14.092	228	697011	26.72	ng	96
87) Indeno(1,2,3-cd)pyrene	17.039	276	310304	13.17	ng	93
88) Benzo(b)fluoranthene	15.115	252	752419m	29.46	ng	
89) Benzo(k)fluoranthene	15.139	252	251235m	10.59	ng	
90) Benzo(a)pyrene	15.486	252	502146	22.38	ng	98
91) Dibenzo(a,h)anthracene	17.051	278	92164	4.75	ng	92
92) Benzo(g,h,i)perylene	17.492	276	267124	14.21	ng	99

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

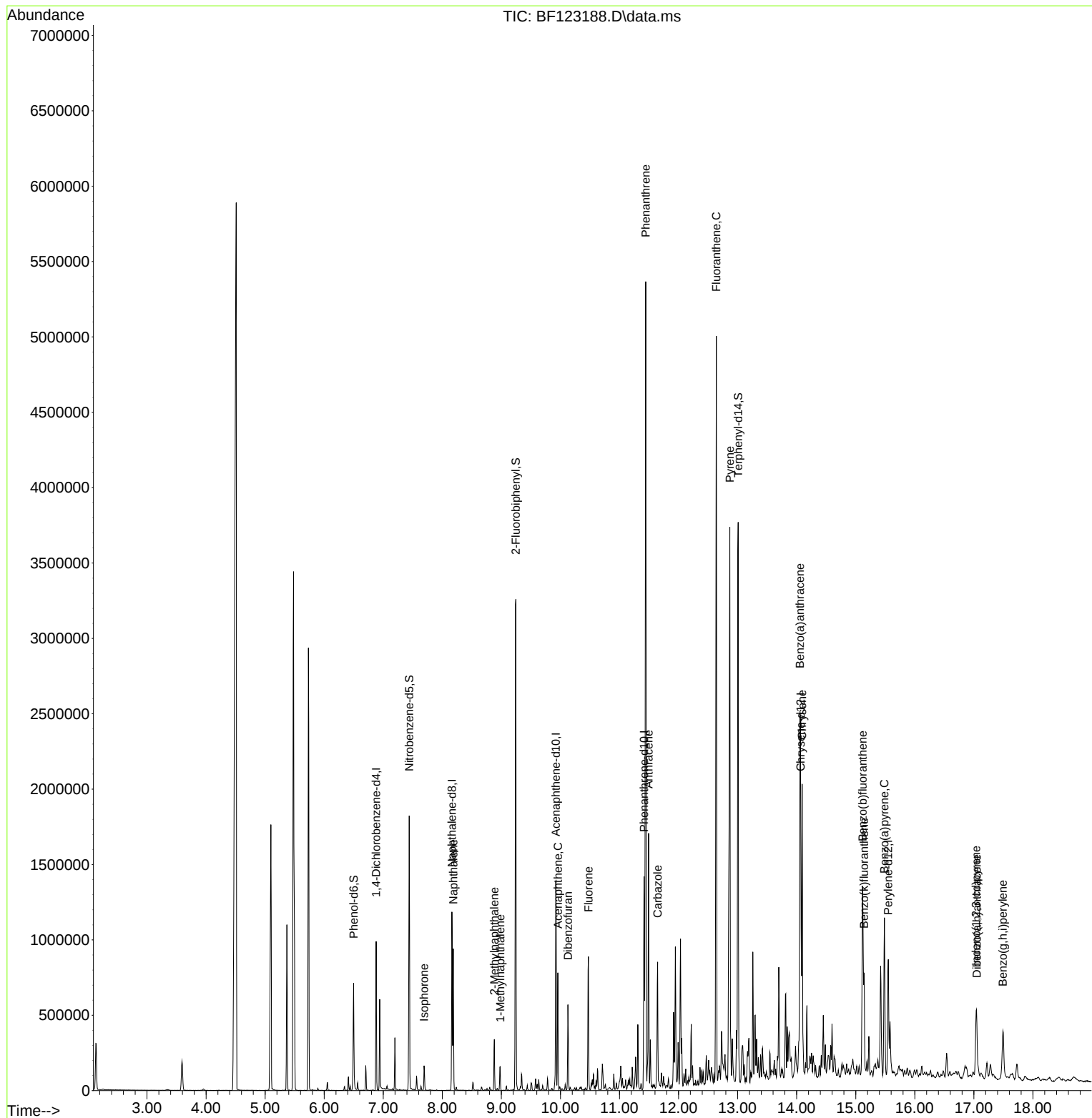
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021121\
Data File : BF123188.D
Acq On : 11 Feb 2021 16:31
Operator : JU/CG
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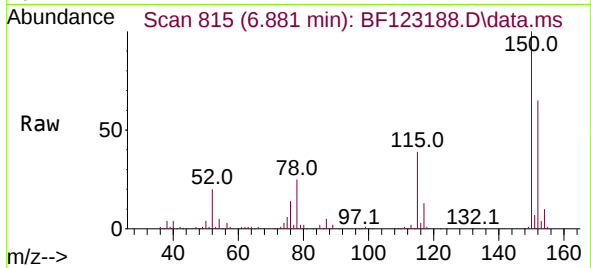
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Quant Time: Feb 11 17:15:13 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 11 14:10:38 2021
Response via : Initial Calibration

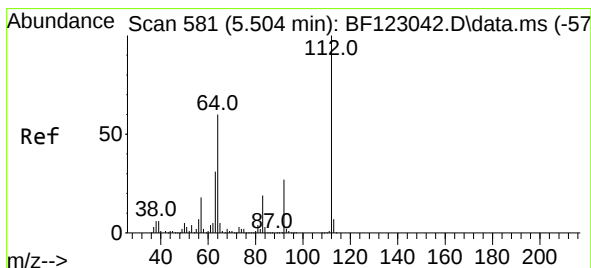
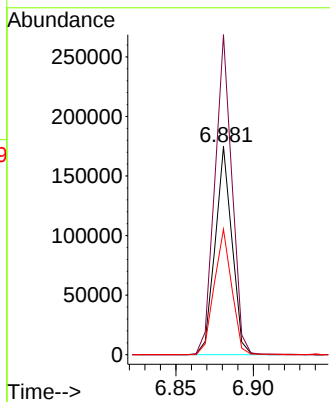
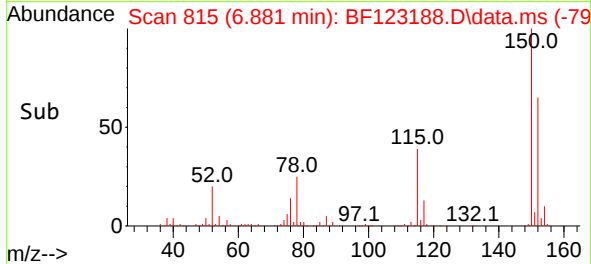




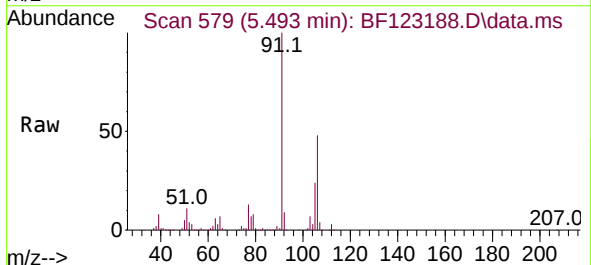
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.881 min Scan# 815
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31



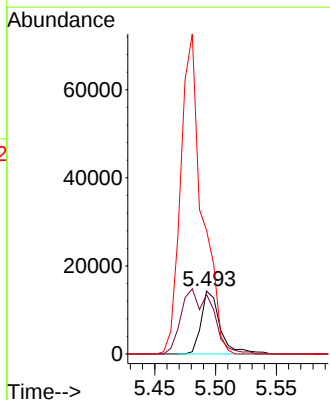
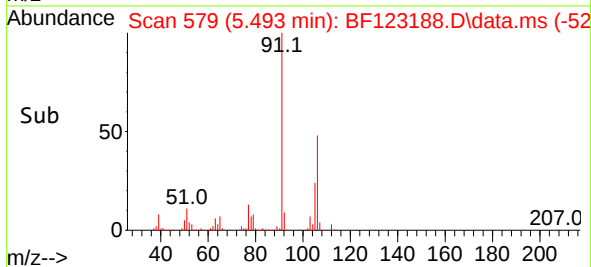
Tgt Ion:152 Resp: 132302
Ion Ratio Lower Upper
152 100
150 153.7 125.8 188.6
115 60.2 49.3 73.9



#5
2-Fluorophenol
Concen: 1.79 ng
RT: 5.493 min Scan# 579
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31



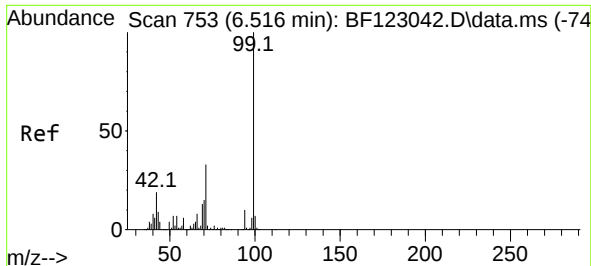
Tgt Ion:112 Resp: 15378
Ion Ratio Lower Upper
112 100
64 94.2 46.9 70.3#
63 196.7 24.5 36.7#



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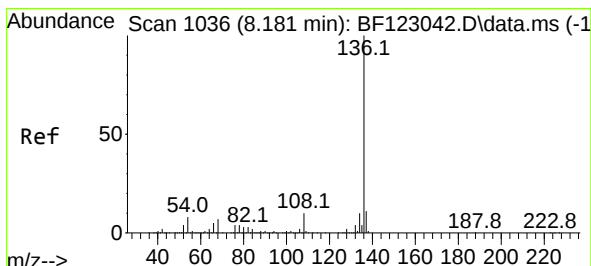
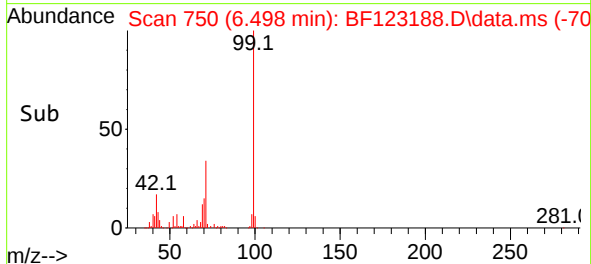
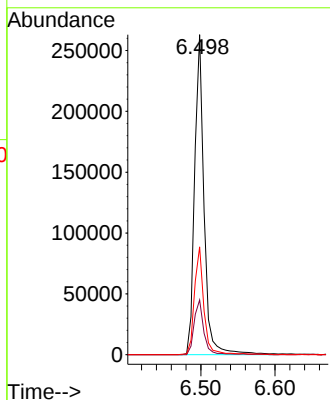
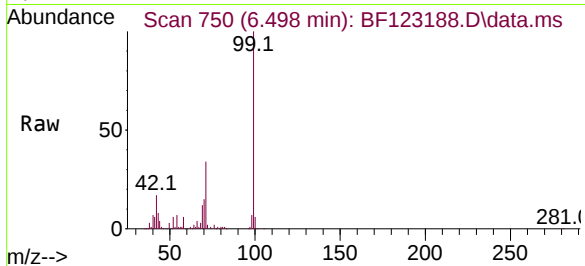
#7
Phenol-d6
Concen: 20.00 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

Tgt Ion:	99	Resp:	232542
Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.8	20.6
71	33.7	26.9	40.3

Instrument :
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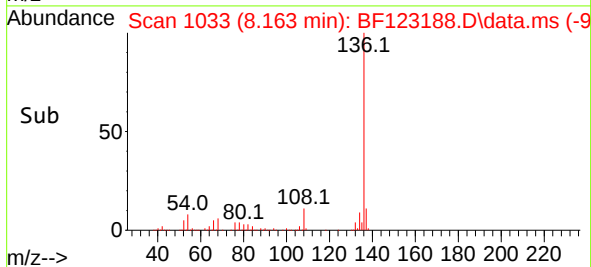
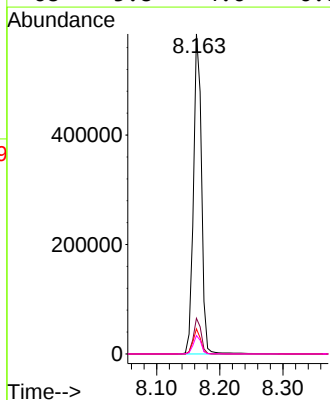
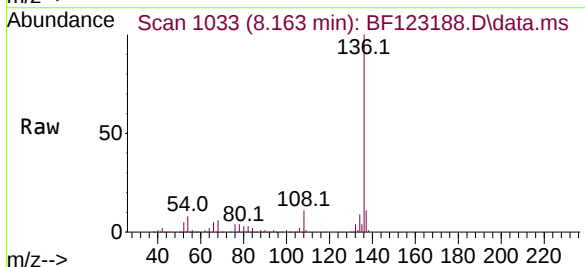
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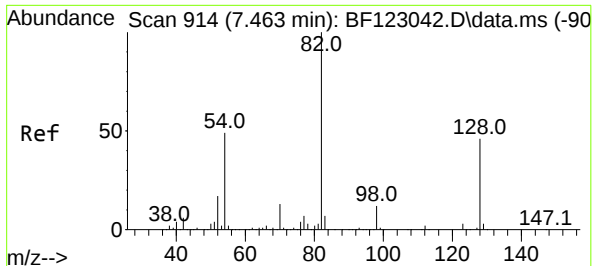
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

Tgt Ion:	136	Resp:	517542
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.9	5.5	8.3
68	5.8	4.6	6.8





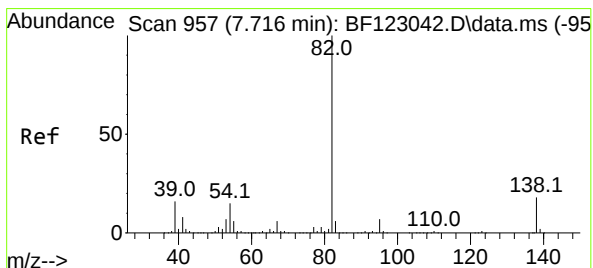
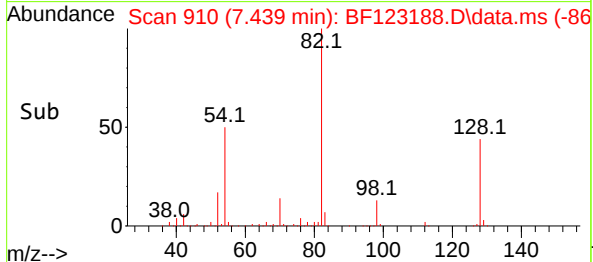
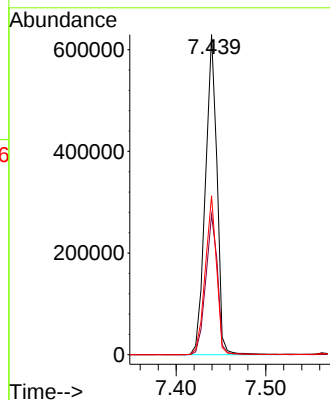
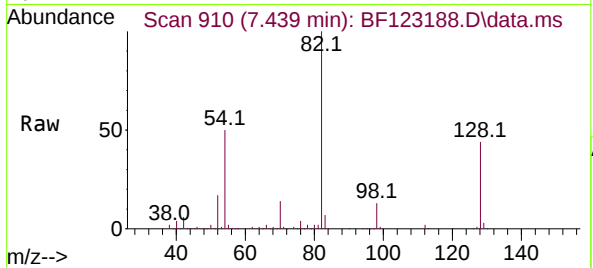
#23
Nitrobenzene-d5
Concen: 54.85 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

Tgt Ion: 82 Resp: 564062
Ion Ratio Lower Upper
82 100
128 43.8 37.0 55.4
54 49.7 38.4 57.6

Instrument :
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ClientSampleId :
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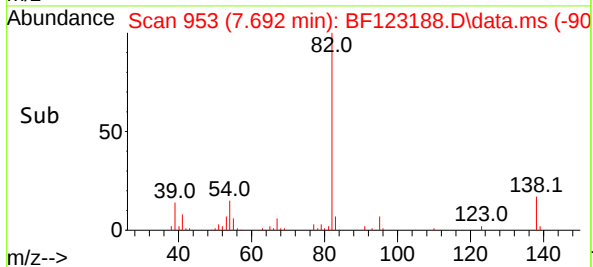
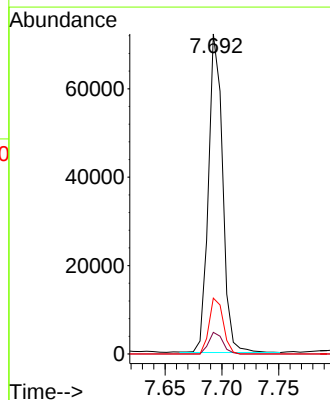
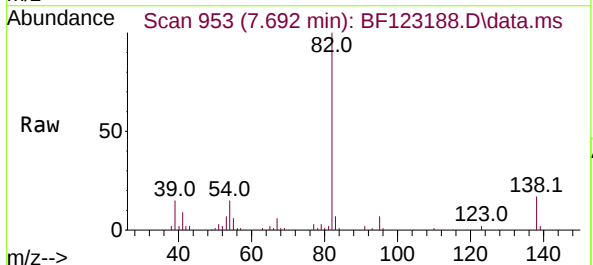
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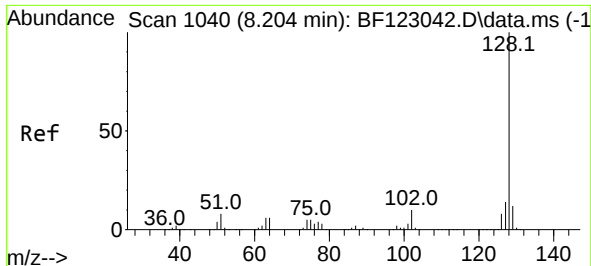
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#25
Isophorone
Concen: 3.32 ng
RT: 7.692 min Scan# 953
Delta R.T. -0.012 min
Lab File: BF123188.D
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Tgt Ion: 82 Resp: 62503
Ion Ratio Lower Upper
82 100
95 6.7 5.8 8.6
138 17.5 14.6 21.8





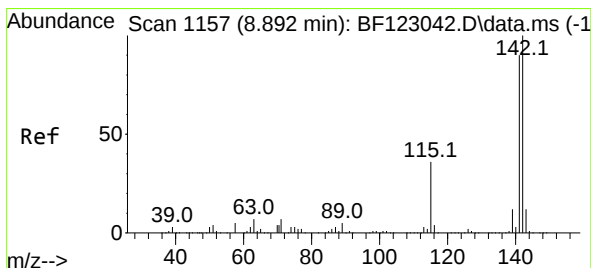
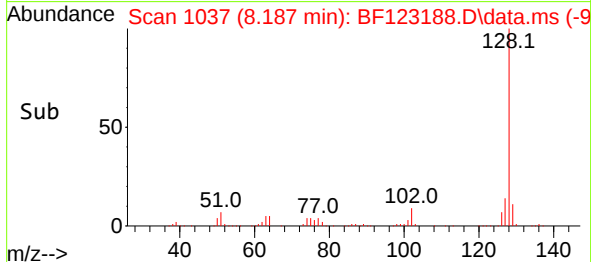
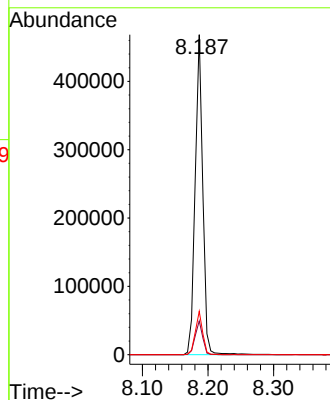
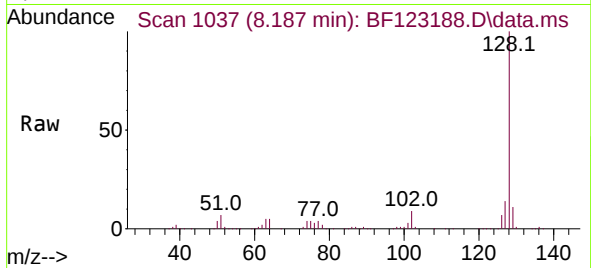
#31
Naphthalene
Concen: 13.32 ng
RT: 8.187 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

Tgt Ion:128 Resp: 378117
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.6
127 13.5 10.7 16.1

Instrument :
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ClientSampleId :
PM-WC-C-002

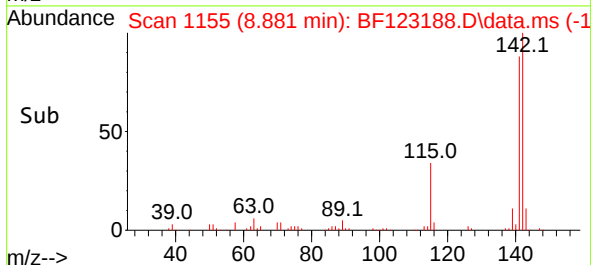
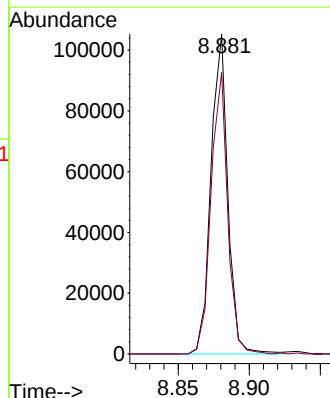
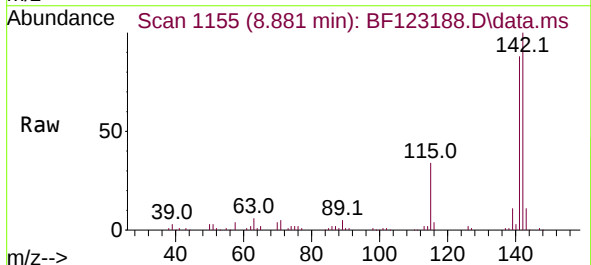
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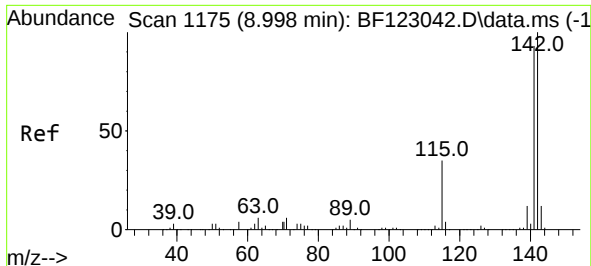
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#37
2-Methylnaphthalene
Concen: 4.63 ng
RT: 8.881 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

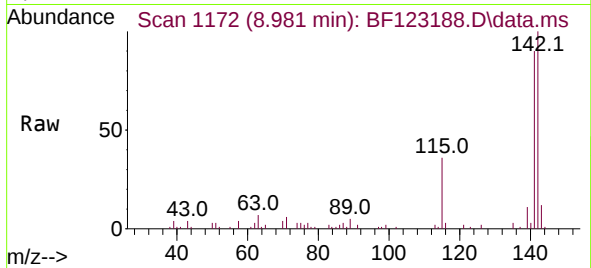
Tgt Ion:142 Resp: 87211
Ion Ratio Lower Upper
142 100
141 88.0 70.6 106.0





#38
1-Methylnaphthalene
Concen: 2.36 ng
RT: 8.981 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

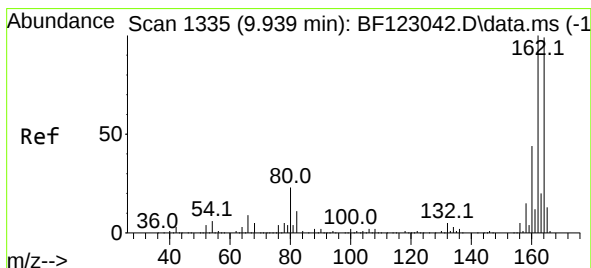
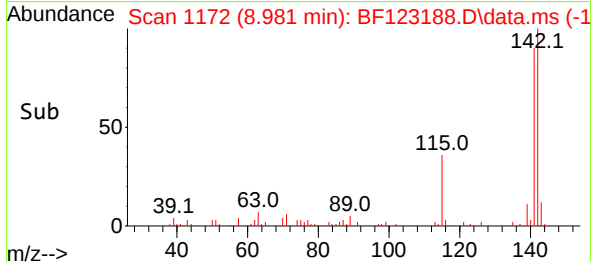
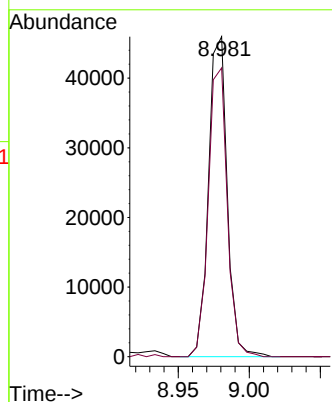
Instrument :
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Tgt Ion:142 Resp: 42093
Ion Ratio Lower Upper
142 100
141 90.3 74.5 111.7

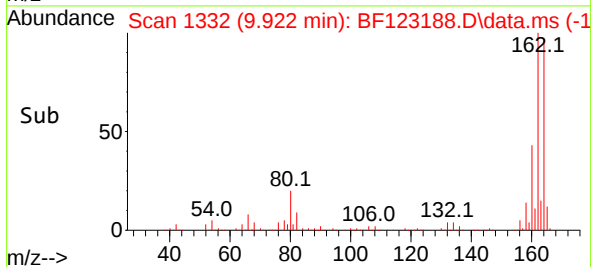
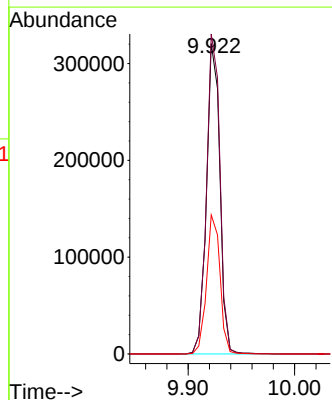
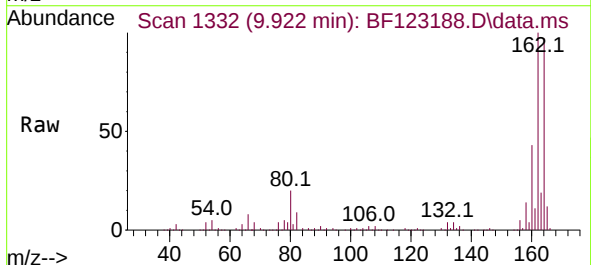
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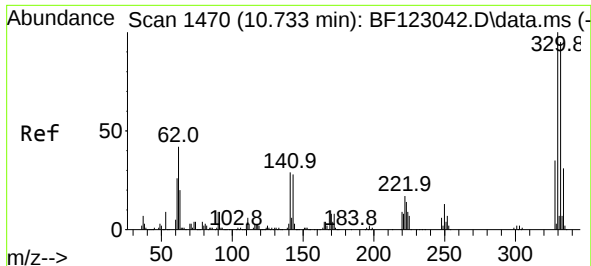
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

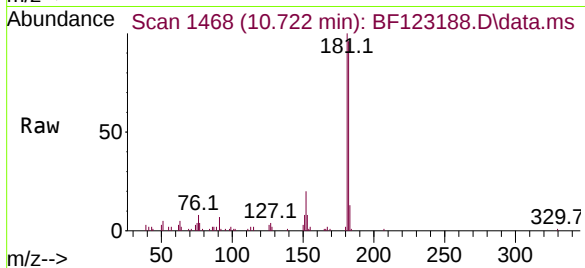
Tgt Ion:164 Resp: 280930
Ion Ratio Lower Upper
164 100
162 103.1 80.8 121.2
160 44.8 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 0.04 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

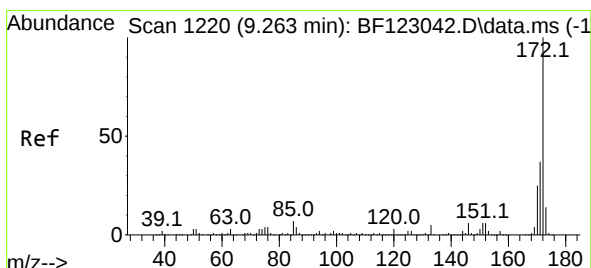
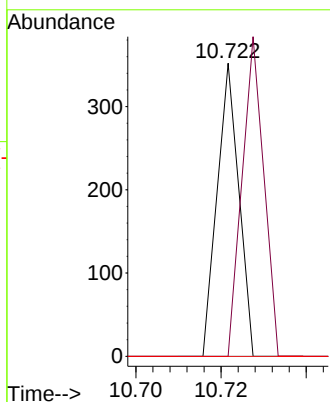
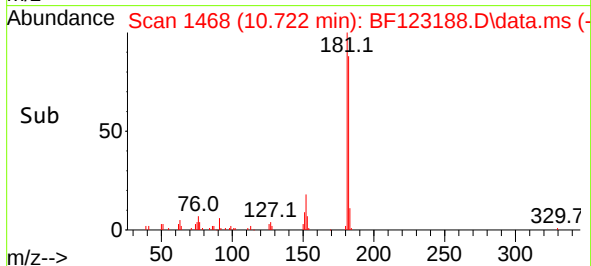
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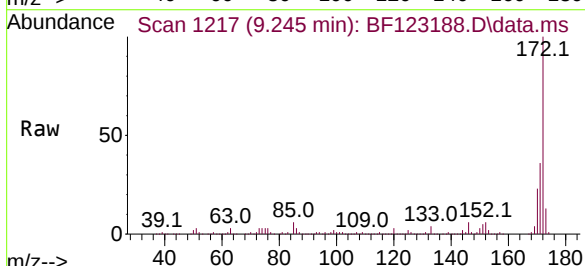
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Ion Ratio Lower Upper
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332 108.9 77.5 116.3
141 0.0 23.8 35.8#

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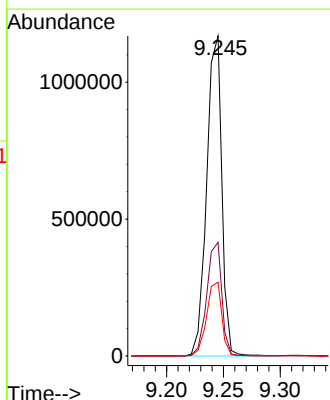
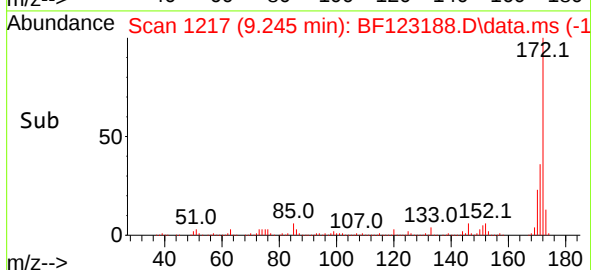
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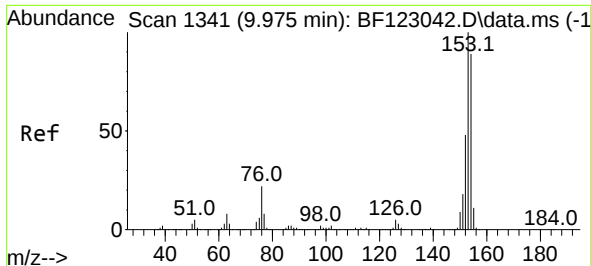


#45
2-Fluorobiphenyl
Concen: 57.21 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.000 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31



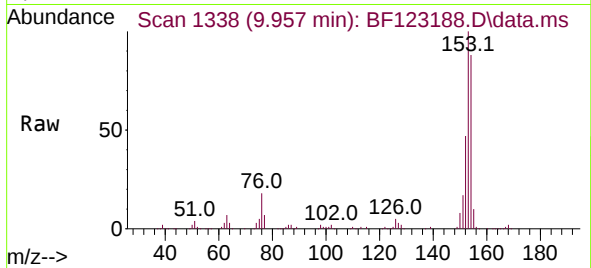
Tgt Ion: 172 Resp: 1081177
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.1 19.5 29.3





#52
Acenaphthene
Concen: 8.30 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

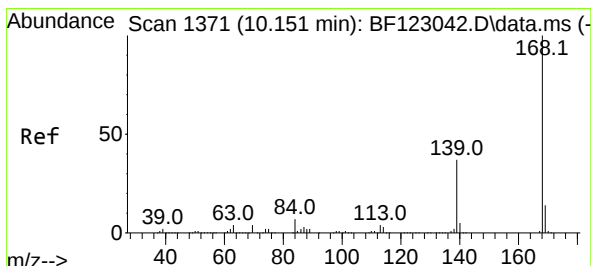
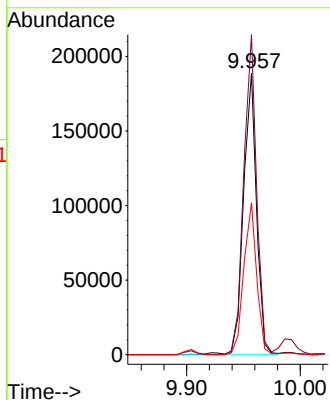
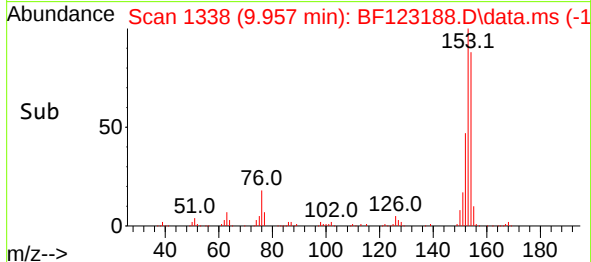
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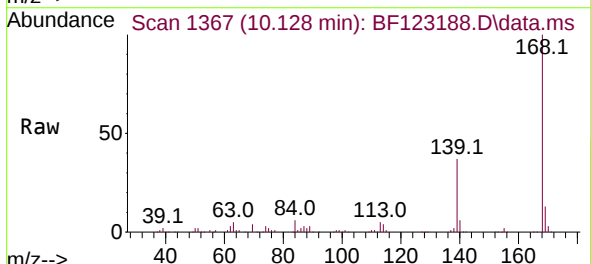
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Ion Ratio Lower Upper
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152 53.9 42.7 64.1

Manual Integrations
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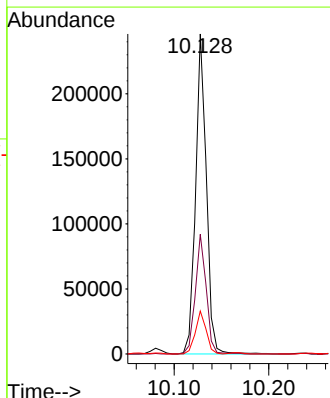
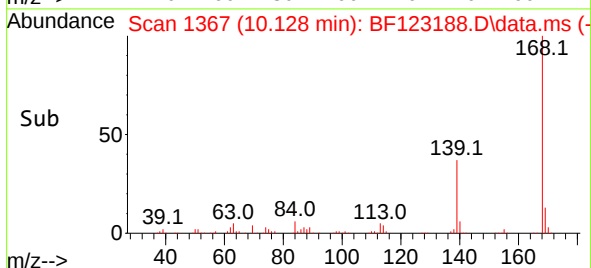
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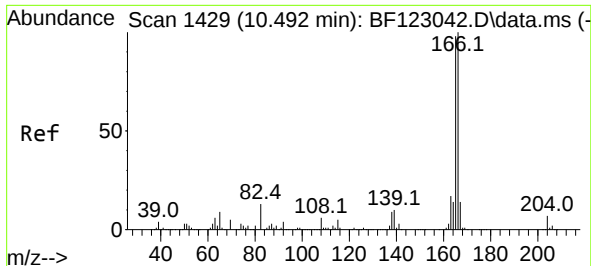


#55
Dibenzofuran
Concen: 7.40 ng
RT: 10.128 min Scan# 1367
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31



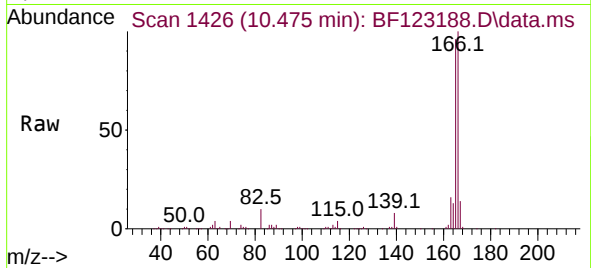
Tgt Ion:168 Resp: 195214
Ion Ratio Lower Upper
168 100
139 37.4 31.3 46.9
169 13.4 11.2 16.8





#58
Fluorene
Concen: 11.69 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

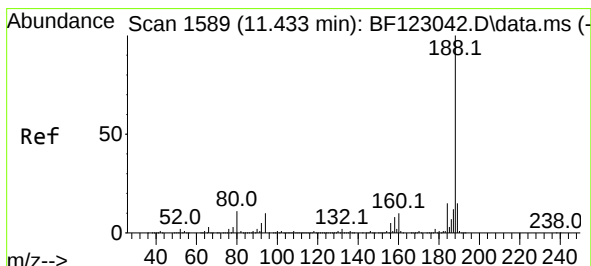
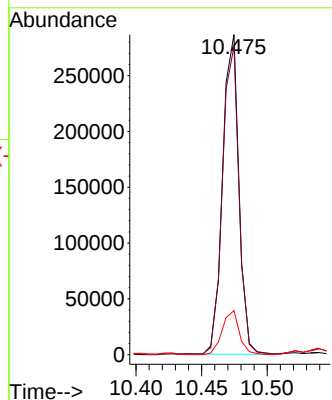
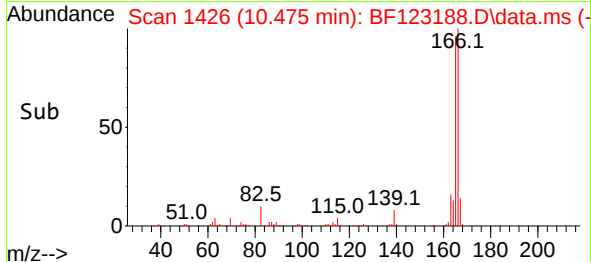
Instrument :
BNA_F
ClientSampleId :
PM-WC-C-002



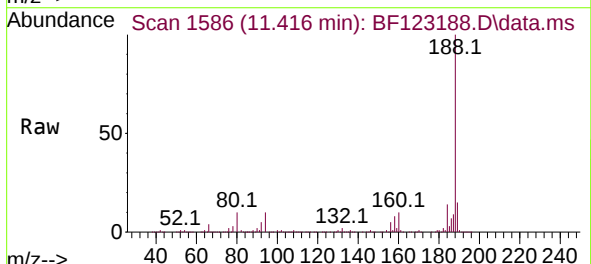
Tgt Ion:166 Resp: 246504
Ion Ratio Lower Upper
166 100
165 96.3 79.4 119.0
167 13.8 10.9 16.3

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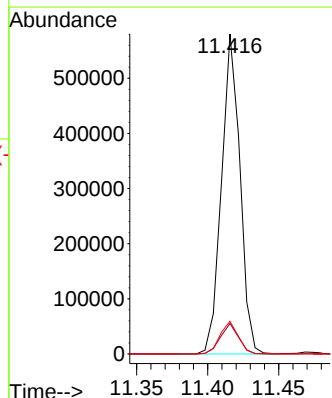
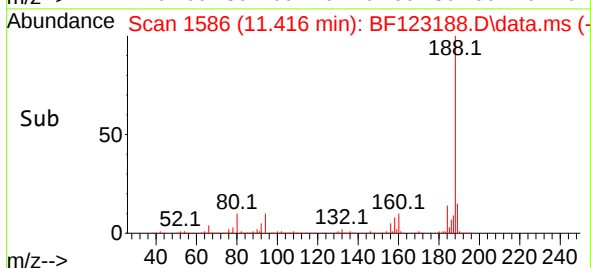
mohammad
2/12/2021 11:24:00 AM

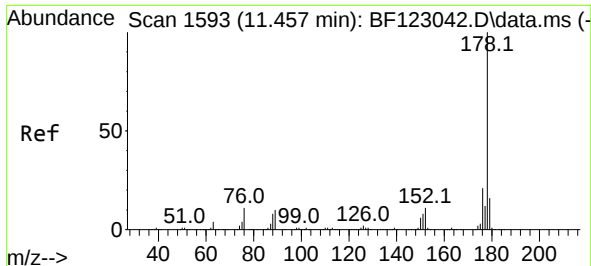


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31



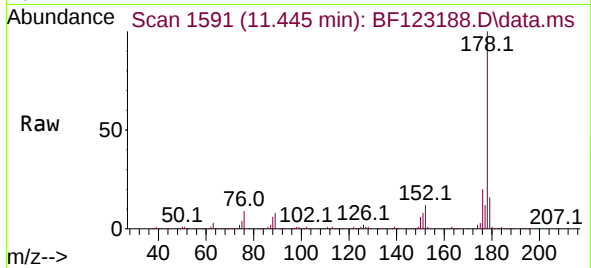
Tgt Ion:188 Resp: 523705
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 10.2 8.2 12.4





#71
Phenanthrene
Concen: 62.39 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

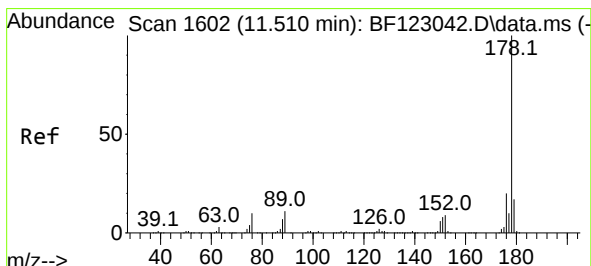
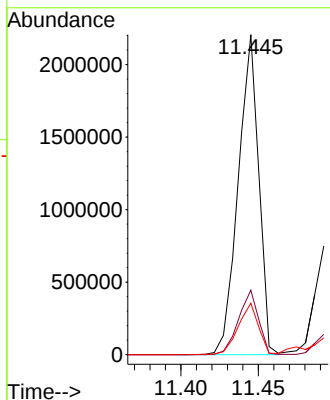
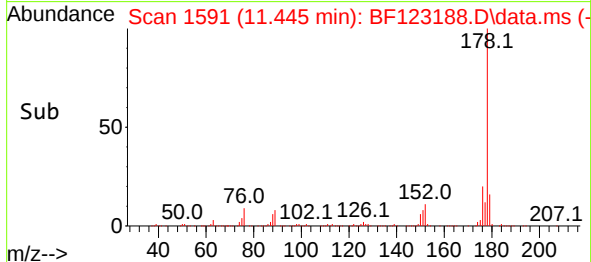
Instrument :
BNA_F
ClientSampleId :
PM-WC-C-002



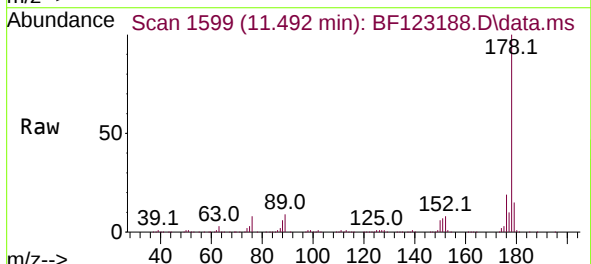
Tgt Ion:178 Resp: 2029246
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.2
179 16.1 12.7 19.1

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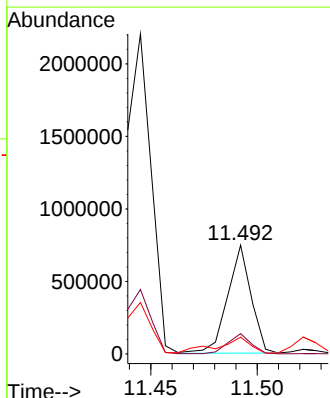
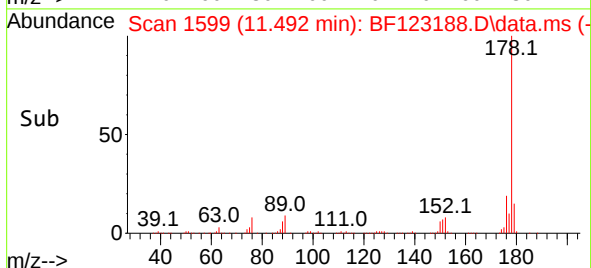
mohammad
2/12/2021 11:24:00 AM

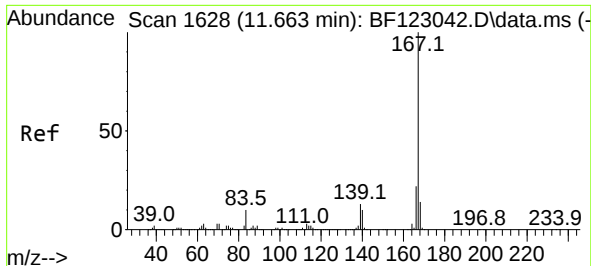


#72
Anthracene
Concen: 18.37 ng
RT: 11.492 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31



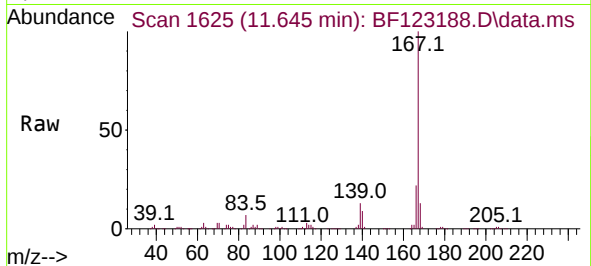
Tgt Ion:178 Resp: 573039
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.4 12.8 19.2





#73
 Carbazole
 Concen: 10.93 ng
 RT: 11.645 min Scan# 1625
 Delta R.T. -0.006 min
 Lab File: BF123188.D
 Acq: 11 Feb 2021 16:31

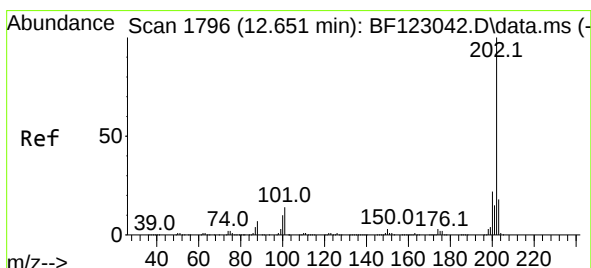
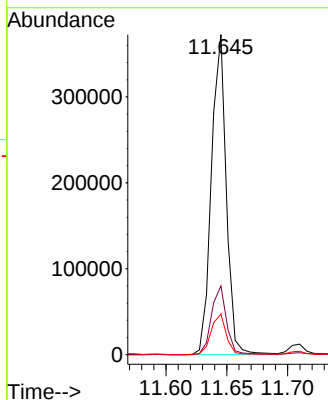
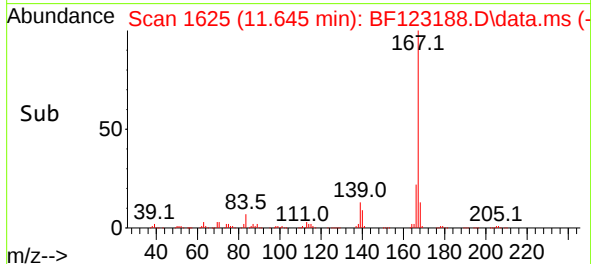
Instrument :
 BNA_F
 ClientSampleId :
 PM-WC-C-002



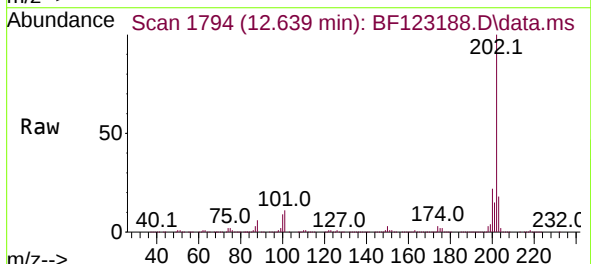
Tgt Ion:167 Resp: 316535
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.0 27.0
 139 12.7 10.9 16.3

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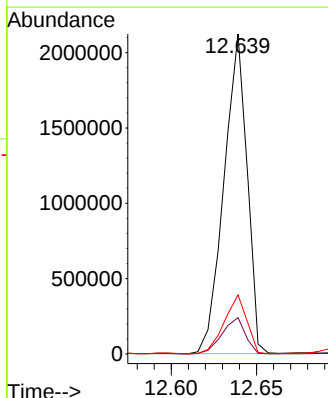
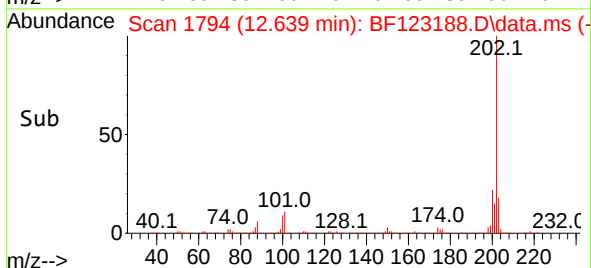
mohammad
 2/12/2021 11:24:00 AM

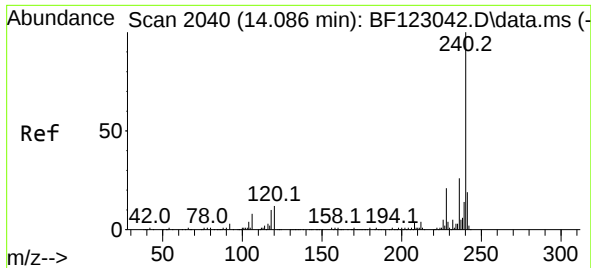


#75
 Fluoranthene
 Concen: 61.39 ng
 RT: 12.639 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: BF123188.D
 Acq: 11 Feb 2021 16:31



Tgt Ion:202 Resp: 1995859
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 32.2
 203 18.5 0.0 38.1





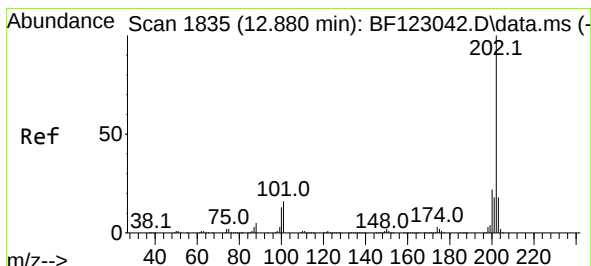
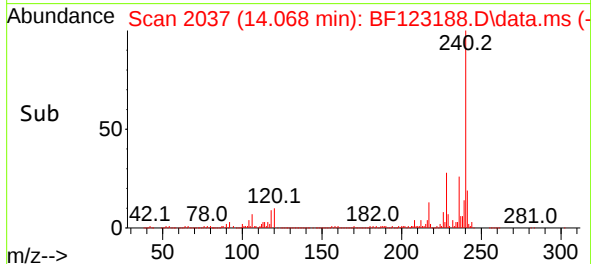
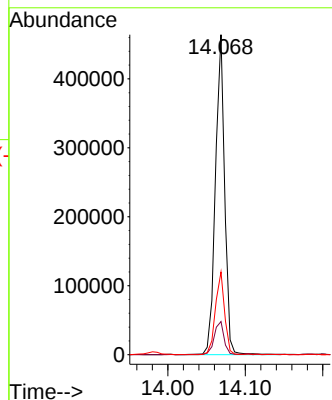
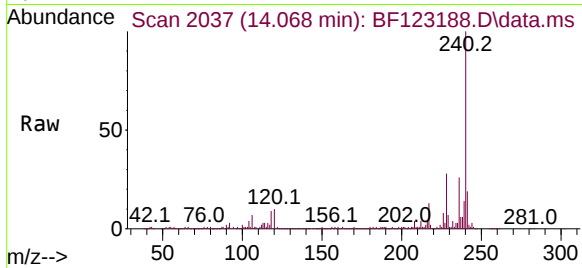
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

Tgt Ion:240 Resp: 385104
Ion Ratio Lower Upper
240 100
120 10.4 8.6 12.8
236 25.9 20.3 30.5

Instrument :
BNA_F
ClientSampleId :
PM-WC-C-002

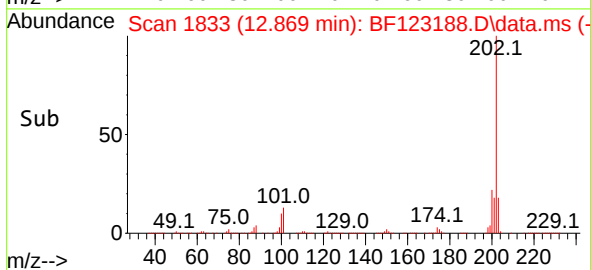
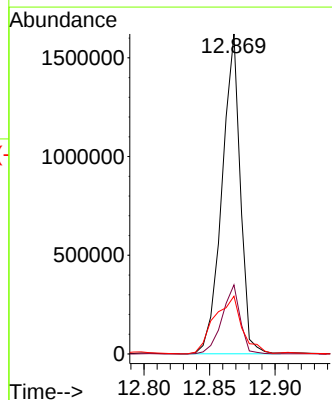
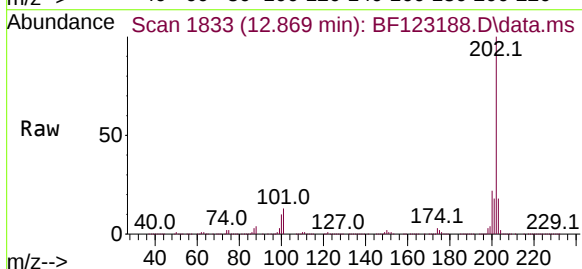
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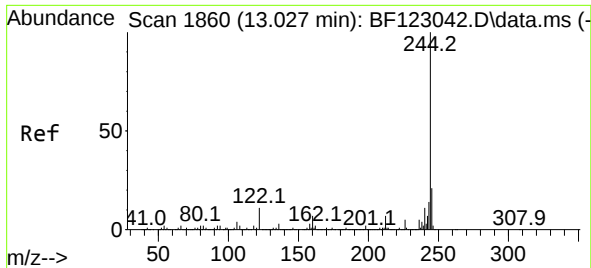
mohammad
2/12/2021 11:24:00 AM



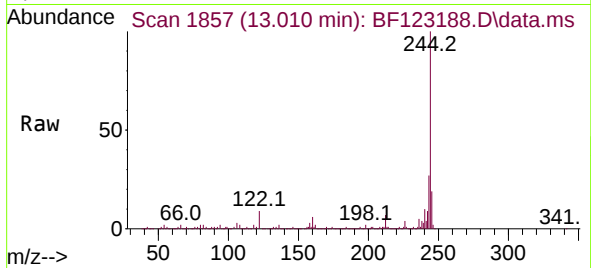
#78
Pyrene
Concen: 53.96 ng
RT: 12.869 min Scan# 1833
Delta R.T. -0.000 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

Tgt Ion:202 Resp: 1568669
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 18.1 14.6 21.8





#79
 Terphenyl-d14
 Concen: 62.90 ng
 RT: 13.010 min Scan# 1857
 Delta R.T. -0.000 min
 Lab File: BF123188.D
 Acq: 11 Feb 2021 16:31

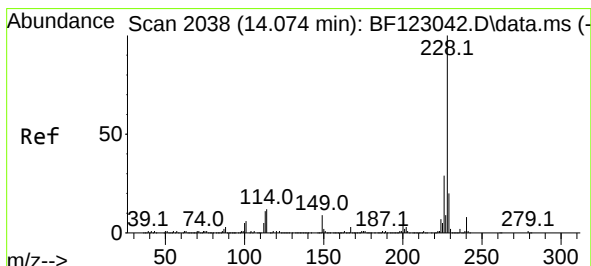
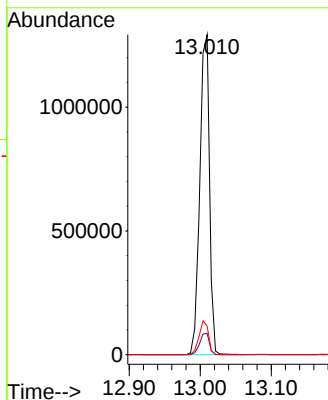
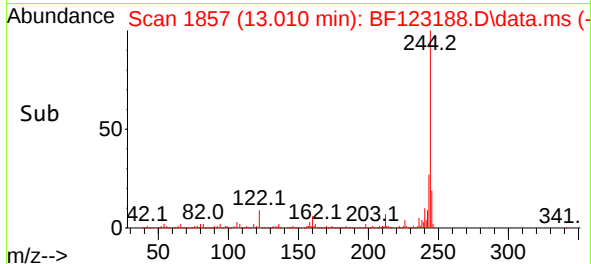


Tgt Ion:244 Resp: 1232961
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 8.9 8.3 12.5

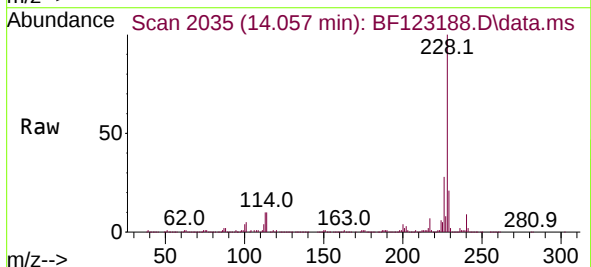
Instrument :
 BNA_F
 ClientSampleId :
 PM-WC-C-002

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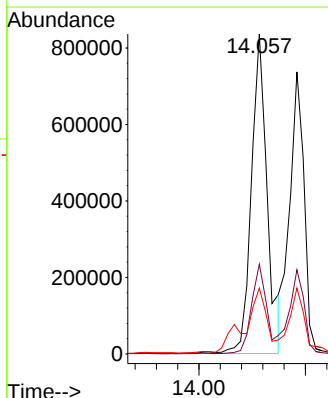
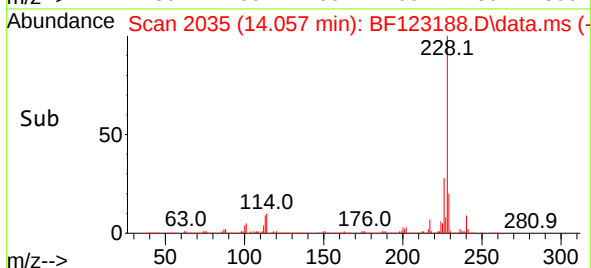
mohammad
 2/12/2021 11:24:00 AM

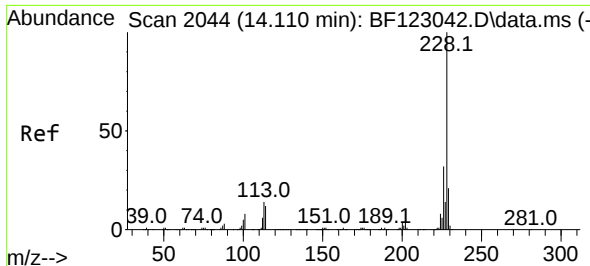


#81
 Benzo(a)anthracene
 Concen: 33.05 ng
 RT: 14.057 min Scan# 2035
 Delta R.T. -0.006 min
 Lab File: BF123188.D
 Acq: 11 Feb 2021 16:31

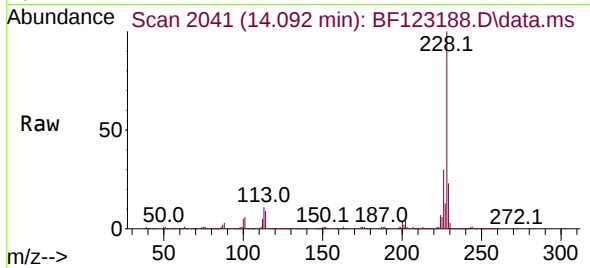


Tgt Ion:228 Resp: 861465
 Ion Ratio Lower Upper
 228 100
 226 28.0 23.0 34.4
 229 20.6 16.6 24.8





#83
Chrysene
Concen: 26.72 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

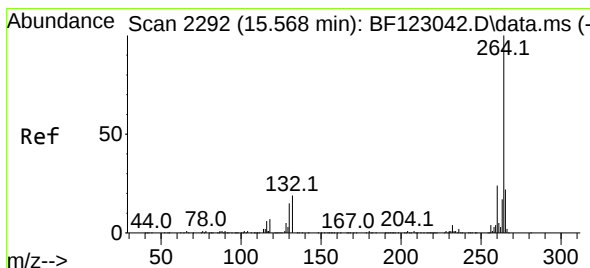
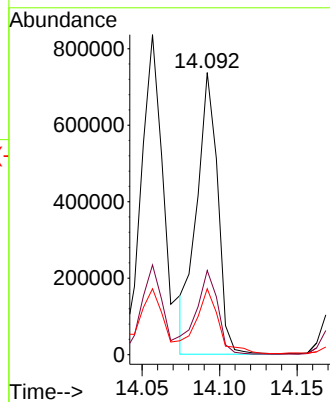
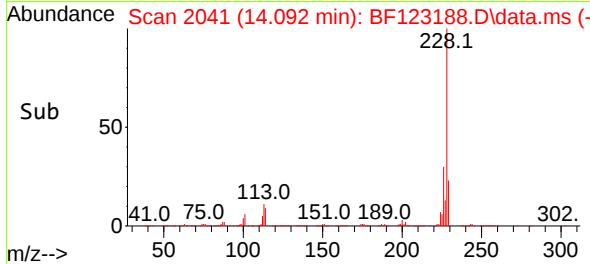


Tgt Ion:228 Resp: 697011
Ion Ratio Lower Upper
228 100
226 29.8 24.6 36.8
229 23.4 15.8 23.6

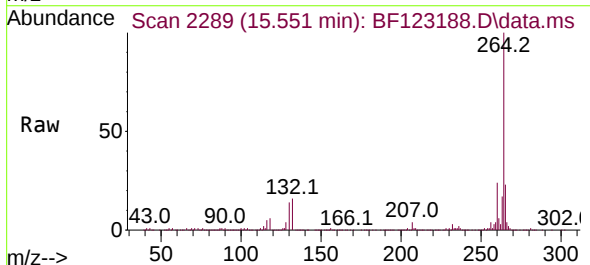
Instrument :
BNA_F
ClientSampleId :
PM-WC-C-002

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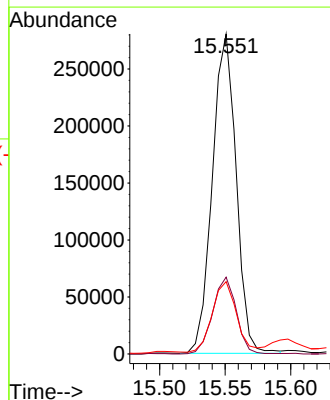
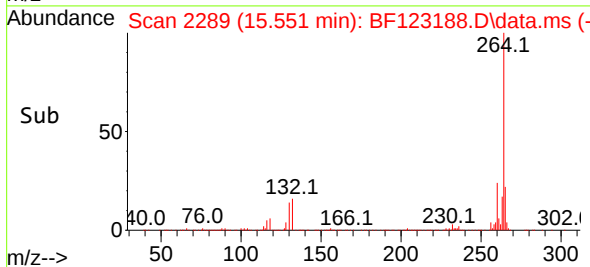
mohammad
2/12/2021 11:24:00 AM

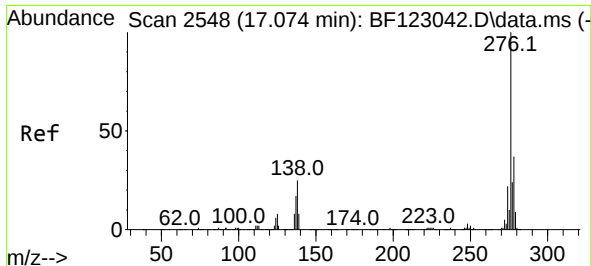


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.551 min Scan# 2289
Delta R.T. -0.000 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

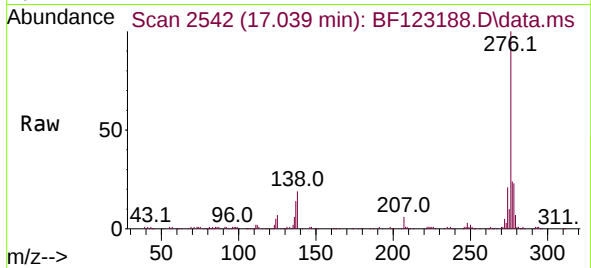


Tgt Ion:264 Resp: 353871
Ion Ratio Lower Upper
264 100
260 24.0 18.6 28.0
265 22.6 17.0 25.6

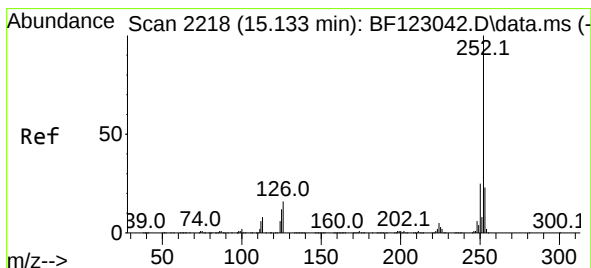
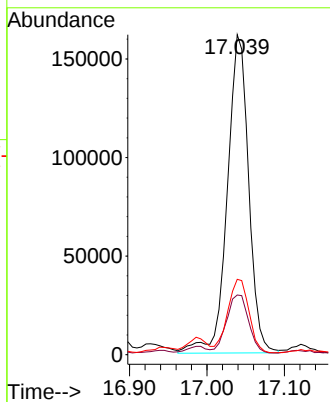
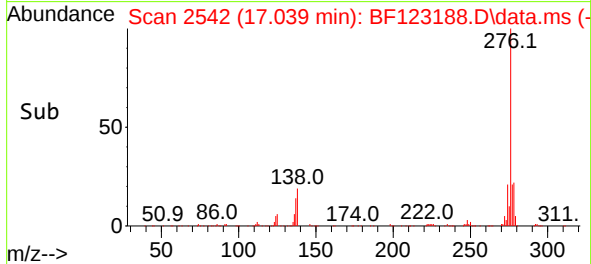




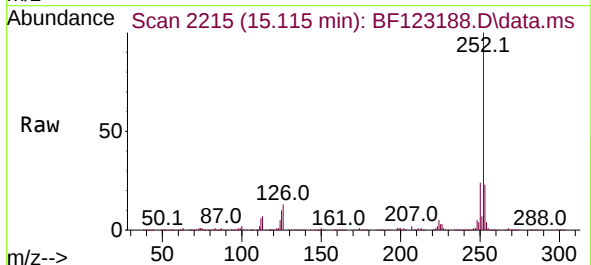
#87
Indeno(1,2,3-cd)pyrene
Concen: 13.17 ng
RT: 17.039 min Scan# 2542
Delta R.T. -0.018 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31



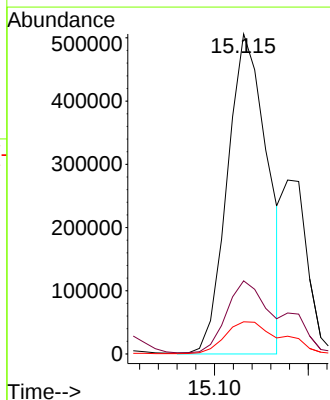
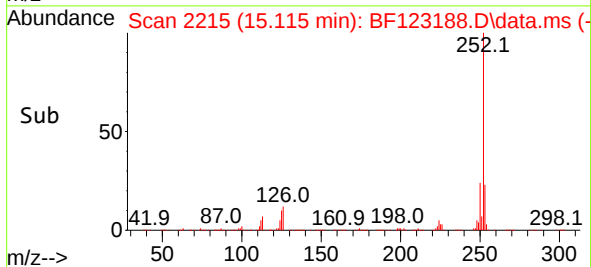
Tgt Ion:276 Resp: 310304
Ion Ratio Lower Upper
276 100
138 18.8 18.7 28.1
277 23.1 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 29.46 ng m
RT: 15.115 min Scan# 2215
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31



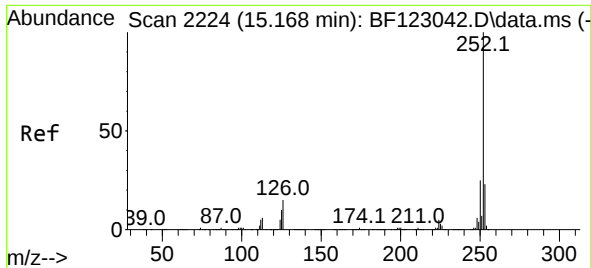
Tgt Ion:252 Resp: 752419
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 10.0 8.1 12.1



Instrument :
BNA_F
ClientSampleId :
PM-WC-C-002

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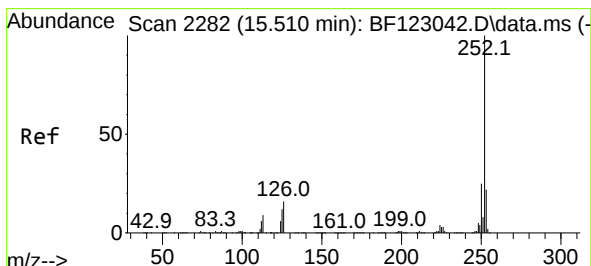
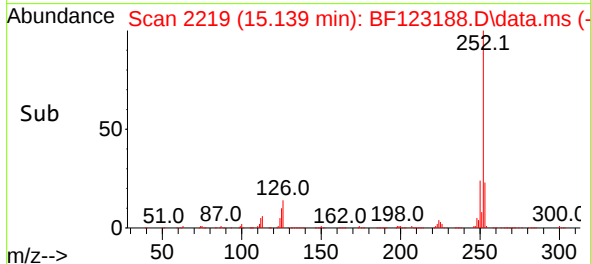
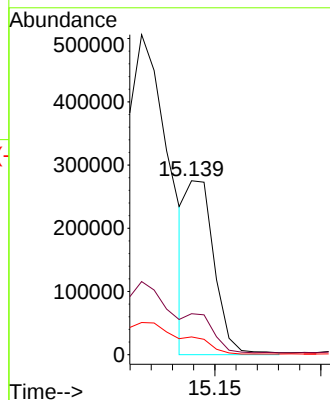
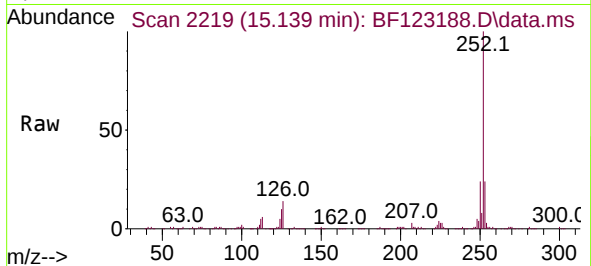
#89
Benzo(k)fluoranthene
Concen: 10.59 ng m
RT: 15.139 min Scan# 2219
Delta R.T. -0.012 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

Tgt Ion:252 Resp: 251235
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 10.3 8.4 12.6

Instrument :
BNA_F
ClientSampleId :
PM-WC-C-002

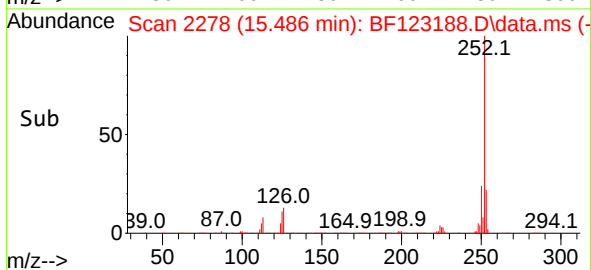
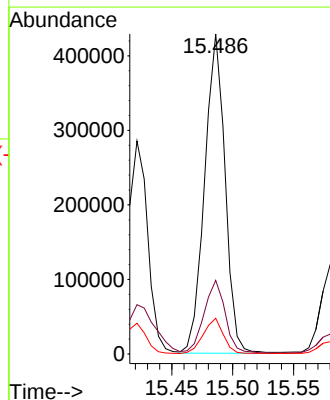
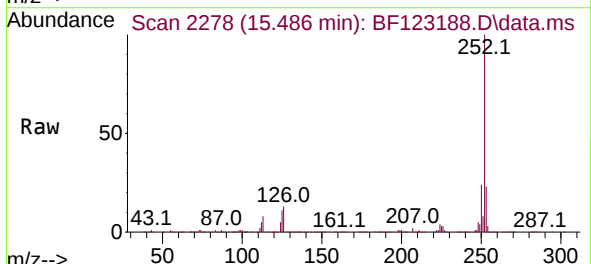
Manual Integrations
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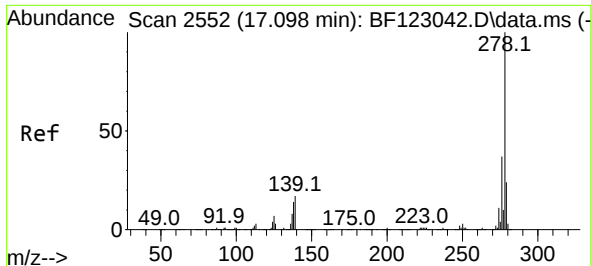
mohammad
2/12/2021 11:24:00 AM



#90
Benzo(a)pyrene
Concen: 22.38 ng
RT: 15.486 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

Tgt Ion:252 Resp: 502146
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 11.2 8.6 12.8





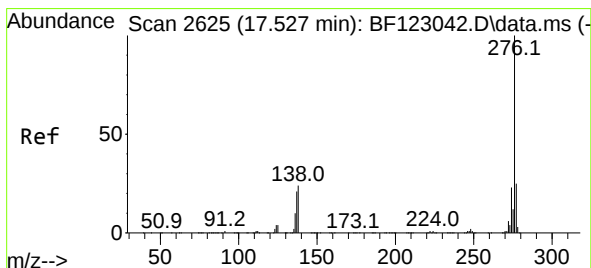
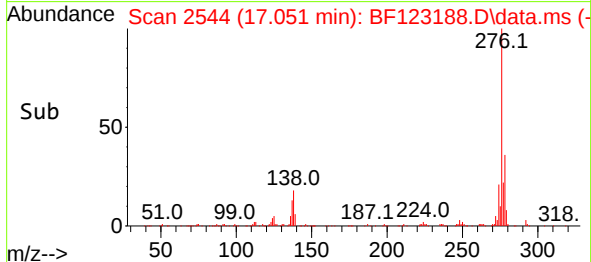
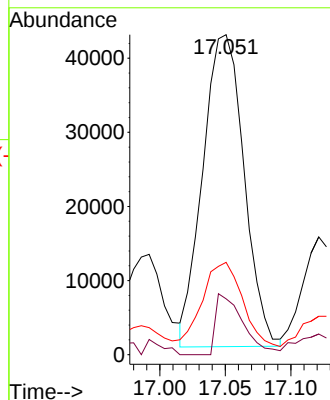
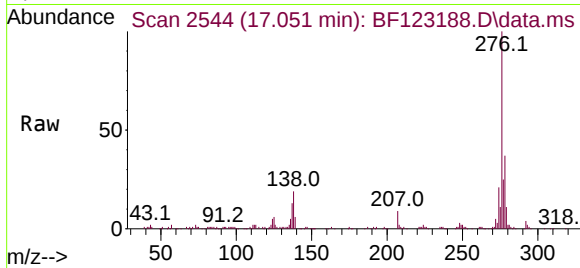
#91
Dibenzo(a,h)anthracene
Concen: 4.75 ng
RT: 17.051 min Scan# 2544
Delta R.T. -0.024 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

Tgt Ion:	278	Resp:	92164
Ion Ratio	Lower	Upper	
278	100		
139	17.4	12.0	18.0
279	28.8	19.4	29.2

Instrument :
BNA_F
ClientSampleId :
PM-WC-C-002

Manual Integrations
APPROVED

mohammad
2/12/2021 11:24:00 AM



#92
Benzo(g,h,i)perylene
Concen: 14.21 ng
RT: 17.492 min Scan# 2619
Delta R.T. -0.018 min
Lab File: BF123188.D
Acq: 11 Feb 2021 16:31

Tgt Ion:	276	Resp:	267124
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.3	28.9
138	21.3	16.6	24.8

