

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030321\
 Data File : BF123365.D
 Acq On : 3 Mar 2021 20:20
 Operator : JU/CG
 Sample : M1539-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 4

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030221

Manual Integrations
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Quant Time: Mar 03 23:54:47 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 03 13:18:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	422523	80.00	ng	0.01
21) Naphthalene-d8	8.133	136	1699074	80.00	ng	# 0.00
39) Acenaphthene-d10	9.892	164	851429	80.00	ng	0.00
64) Phenanthrene-d10	11.392	188	1516056	80.00	ng	0.01
76) Chrysene-d12	14.057	240	1314464	80.00	ng	0.02
86) Perylene-d12	15.551	264	1243846	80.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	2487055	338.90	ng	0.11
7) Phenol-d6	6.534	99	3396194	340.65	ng	0.05
23) Nitrobenzene-d5	7.422	82	2380815	256.58	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	828797	382.39	ng	0.02
45) 2-Fluorobiphenyl	9.216	172	3549332	239.52	ng	0.00
79) Terphenyl-d14	13.004	244	3427798	200.58	ng	0.04
Target Compounds						Qvalue
10) Phenol	6.539	94	92057	8.47	ng	85
31) Naphthalene	8.151	128	74051	3.18	ng	97
37) 2-Methylnaphthalene	8.845	142	43038	2.78	ng	95
38) 1-Methylnaphthalene	8.945	142	30984	2.14	ng	94
49) Acenaphthylene	9.751	152	76062	3.60	ng	# 91
50) Dimethylphthalate	9.604	163	94217	5.92	ng	# 94
52) Acenaphthene	9.922	154	51452	3.53	ng	94
55) Dibenzofuran	10.098	168	42347	2.15	ng	# 70
58) Fluorene	10.439	166	59082	3.81	ng	# 95
71) Phenanthrene	11.410	178	516770	23.06	ng	99
72) Anthracene	11.463	178	159916	7.15	ng	98
73) Carbazole	11.621	167	58371	2.77	ng	# 88
75) Fluoranthene	12.615	202	920949	38.77	ng	98
78) Pyrene	12.845	202	921093	35.90	ng	99
81) Benzo(a)anthracene	14.045	228	527659	23.63	ng	96
83) Chrysene	14.080	228	517174	23.58	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	328791	15.30	ng	94
88) Benzo(b)fluoranthene	15.104	252	709675m	32.49	ng	
89) Benzo(k)fluoranthene	15.127	252	191986m	9.70	ng	
90) Benzo(a)pyrene	15.474	252	485946	24.95	ng	# 93
91) Dibenzo(a,h)anthracene	17.051	278	88116	4.78	ng	# 75
92) Benzo(g,h,i)perylene	17.503	276	318560	18.76	ng	97

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

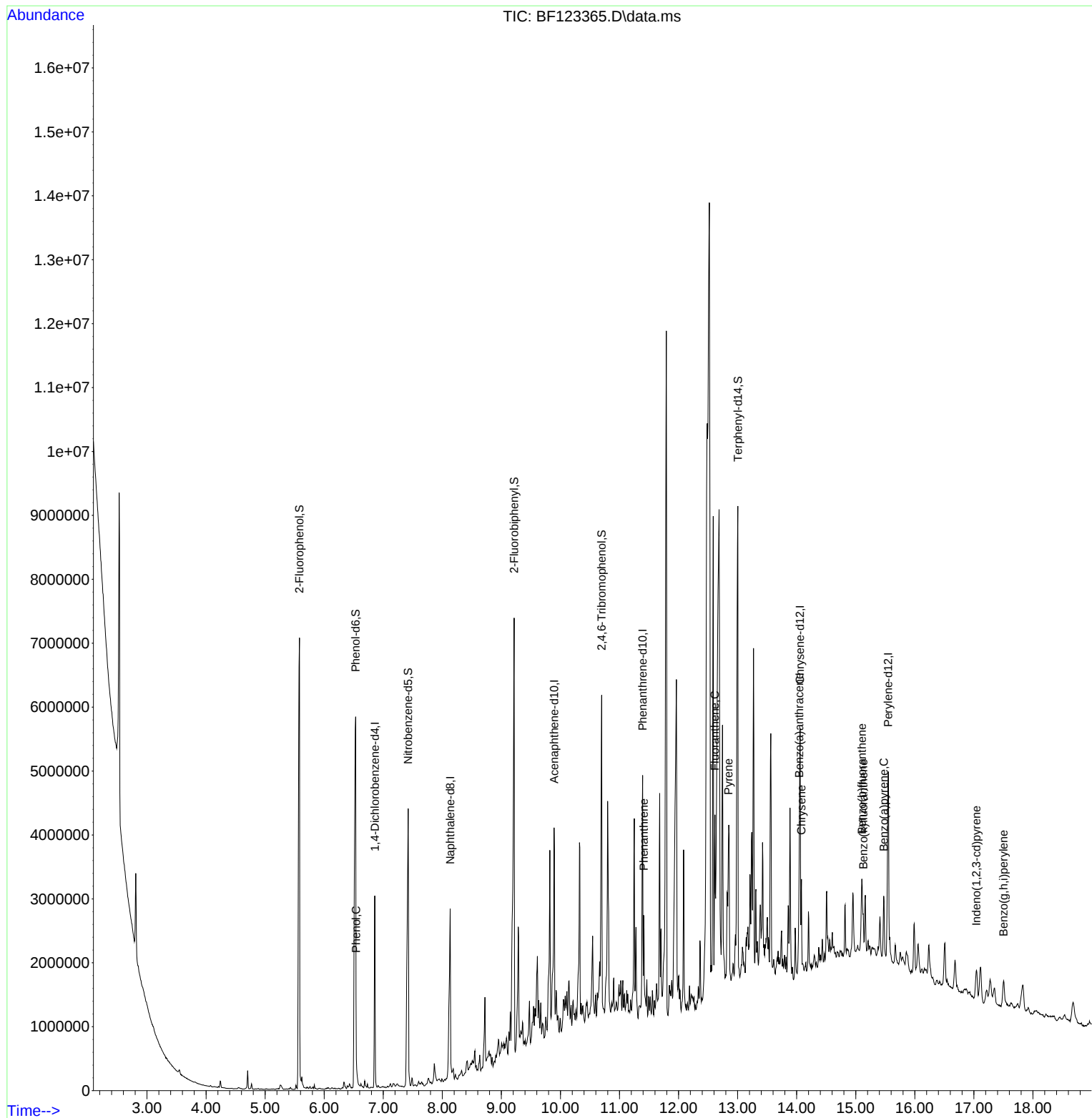
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030321\
Data File : BF123365.D
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Operator : JU/CG
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ALS Vial : 14 Sample Multiplier: 4

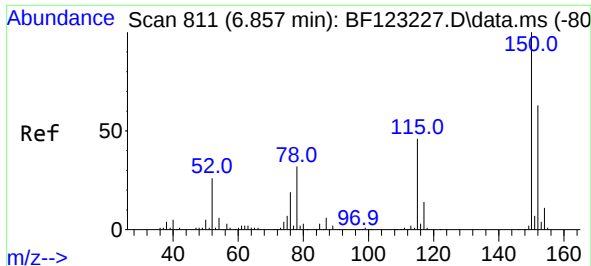
Instrument :
BNA_F
ClientSampleID :
JC-02-030221

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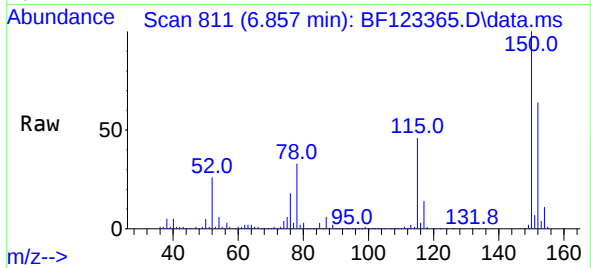
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
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QLast Update : Wed Mar 03 13:18:24 2021
Response via : Initial Calibration

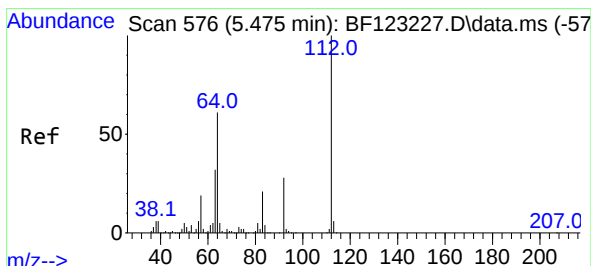
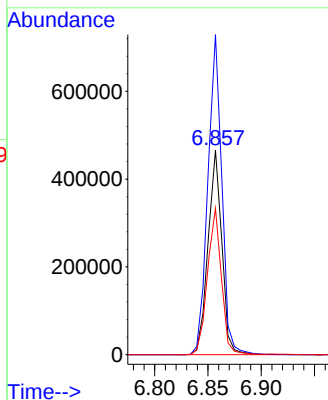
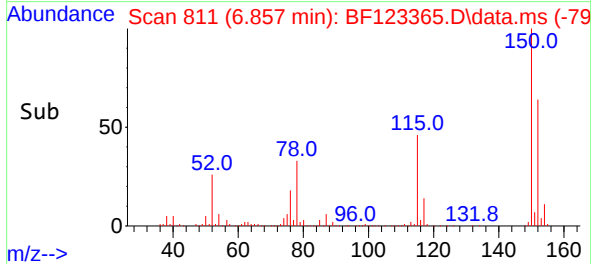




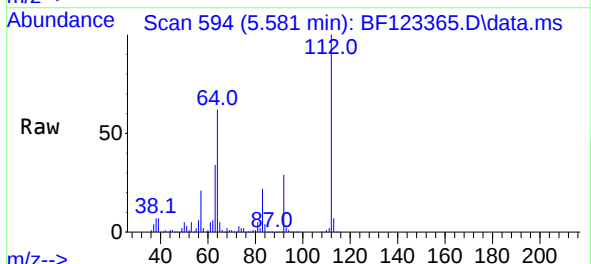
#1
1,4-Dichlorobenzene-d4
Concen: 80.00 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.012 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



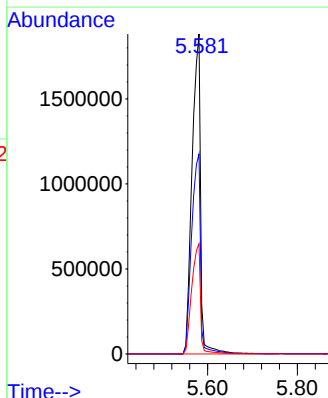
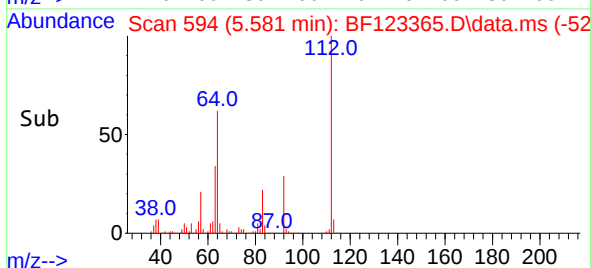
Tgt Ion:152 Resp: 422523
Ion Ratio Lower Upper
152 100
150 156.4 125.8 188.6
115 71.6 49.3 73.9



#5
2-Fluorophenol
Concen: 338.90 ng
RT: 5.581 min Scan# 594
Delta R.T. 0.112 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



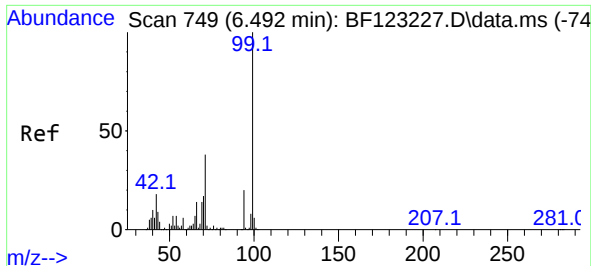
Tgt Ion:112 Resp: 2487055
Ion Ratio Lower Upper
112 100
64 62.5 46.9 70.3
63 34.5 24.5 36.7



Instrument :
BNA_F
ClientSampled :
JC-02-030221

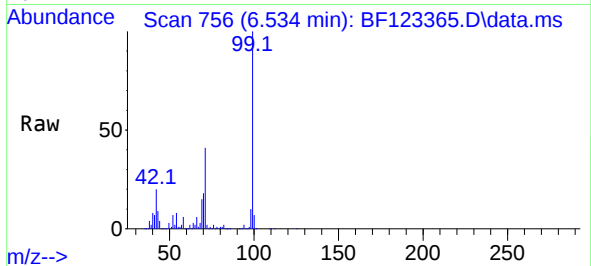
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#7
Phenol-d6
Concen: 340.65 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.047 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

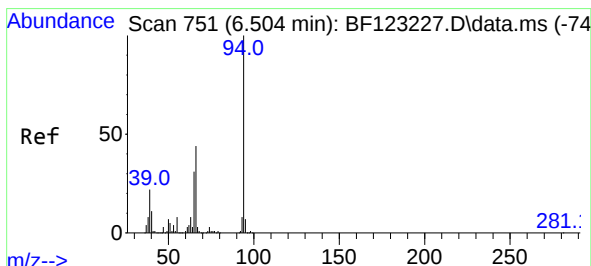
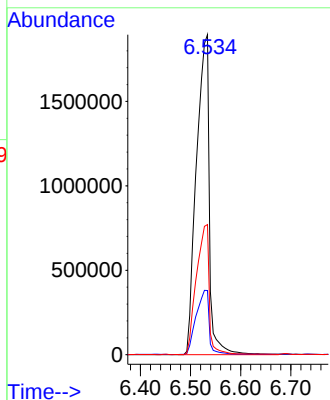
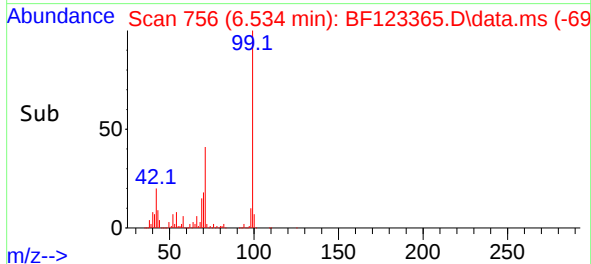
Instrument :
BNA_F
ClientSampleId :
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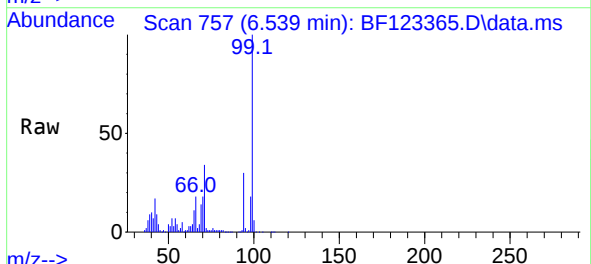
Tgt Ion: 99 Resp: 3396194
Ion Ratio Lower Upper
99 100
42 20.1 13.8 20.6
71 40.7 26.9 40.3#

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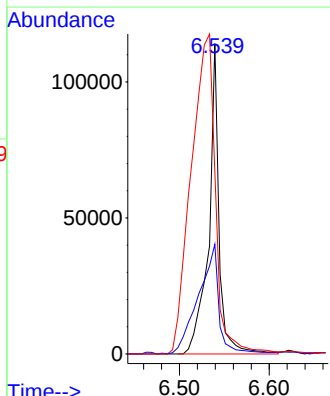
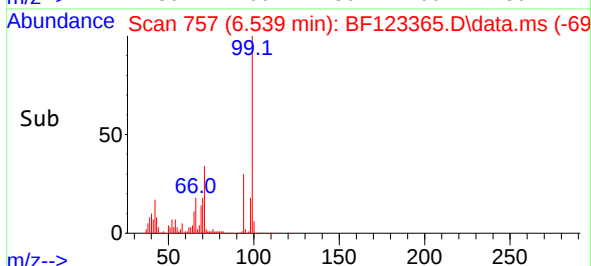
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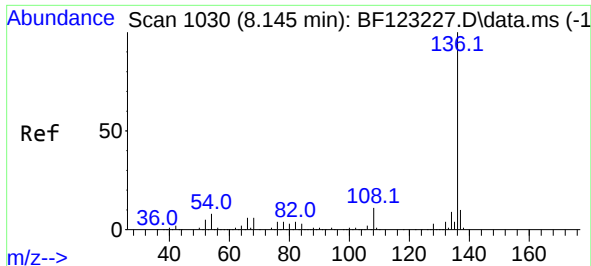


#10
Phenol
Concen: 8.47 ng
RT: 6.539 min Scan# 757
Delta R.T. 0.041 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



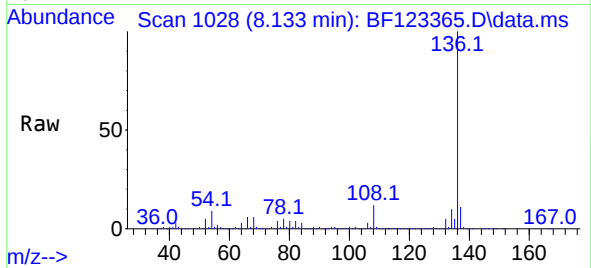
Tgt Ion: 94 Resp: 92057
Ion Ratio Lower Upper
94 100
65 35.4 11.2 51.2
66 58.8 25.8 65.8





#21
Naphthalene-d8
Concen: 80.00 ng
RT: 8.133 min Scan# 1028
Delta R.T. 0.006 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Instrument :
BNA_F
ClientSampleId :
JC-02-030221

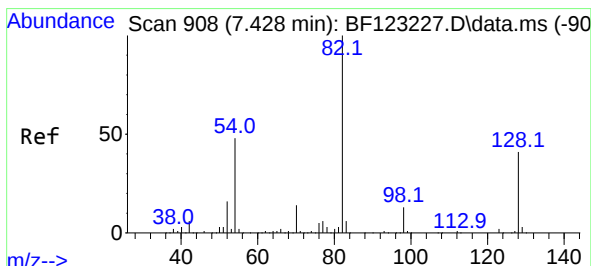
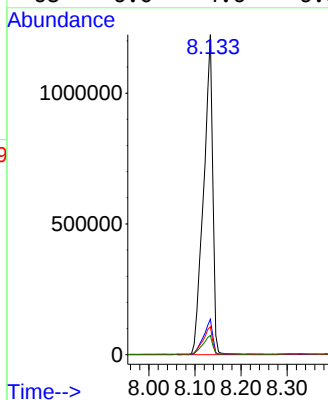
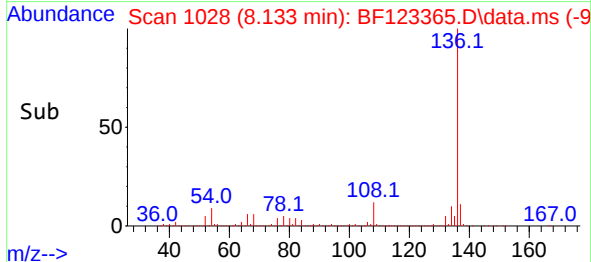


Tgt Ion:136 Resp: 1699074

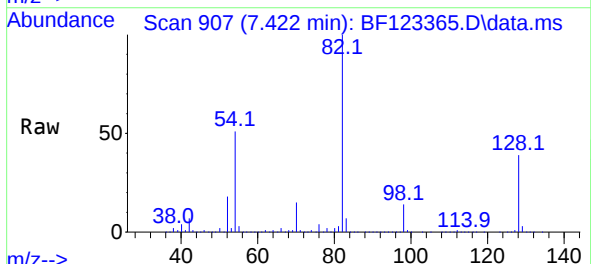
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.7	5.5	8.3#
68	6.0	4.6	6.8

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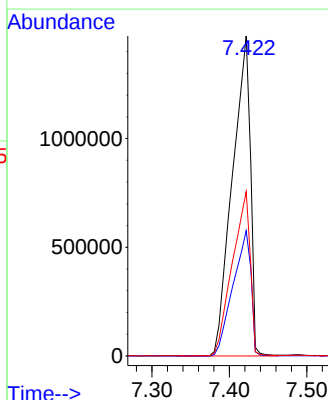
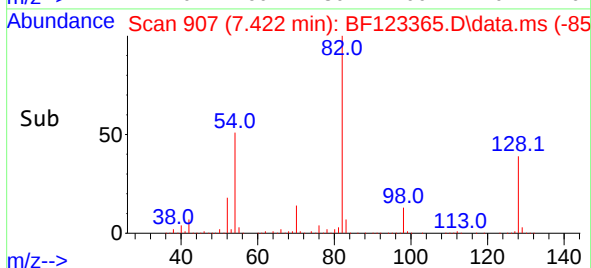


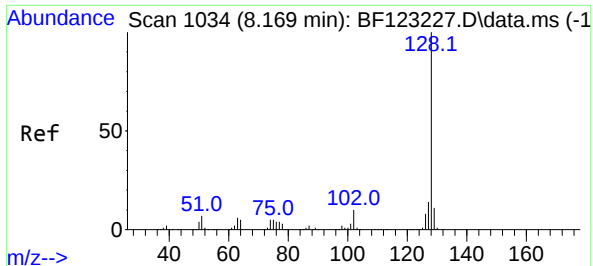
#23
Nitrobenzene-d5
Concen: 256.58 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.006 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



Tgt Ion: 82 Resp: 2380815

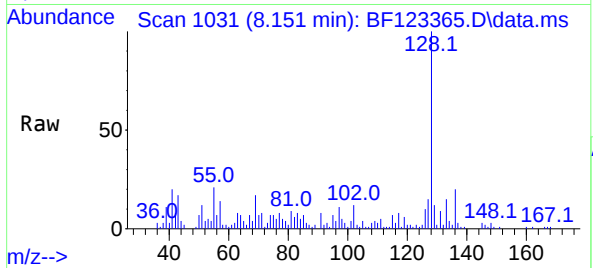
Ion	Ratio	Lower	Upper
82	100		
128	39.2	37.0	55.4
54	51.4	38.4	57.6





#31
Naphthalene
Concen: 3.18 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

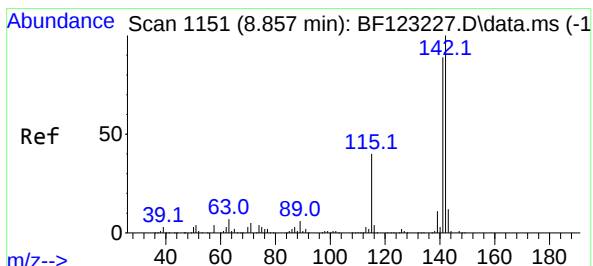
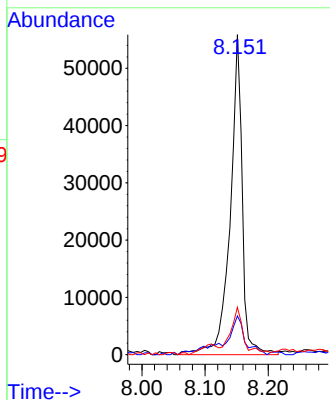
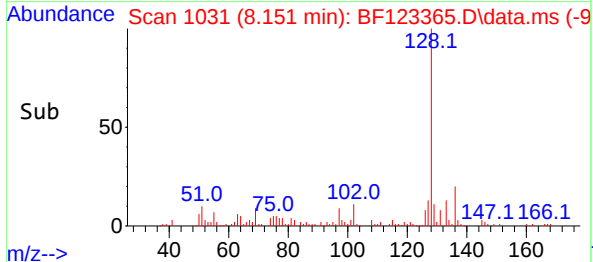
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BNA_F
ClientSampleId :
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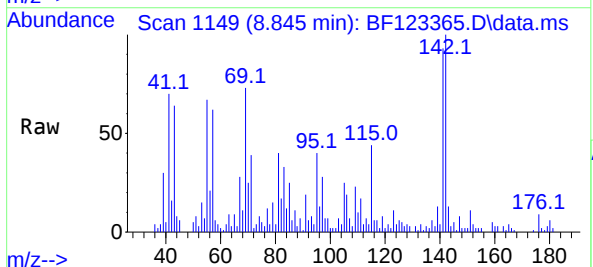
Tgt Ion:128 Resp: 74051
Ion Ratio Lower Upper
128 100
129 12.1 9.0 13.6
127 14.8 10.7 16.1

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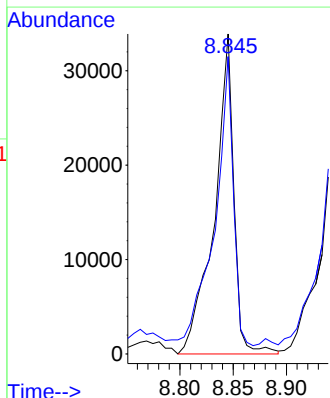
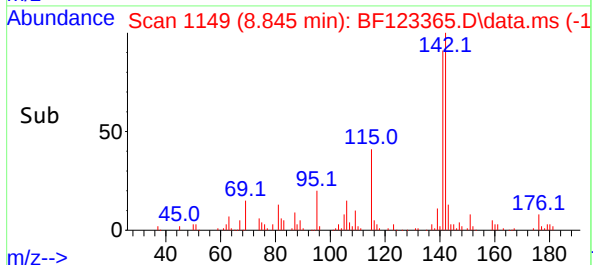
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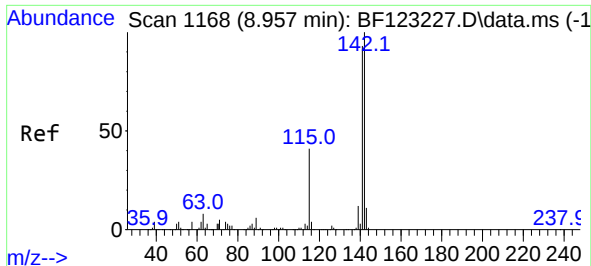


#37
2-Methylnaphthalene
Concen: 2.78 ng
RT: 8.845 min Scan# 1149
Delta R.T. -0.000 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



Tgt Ion:142 Resp: 43038
Ion Ratio Lower Upper
142 100
141 93.0 70.6 106.0





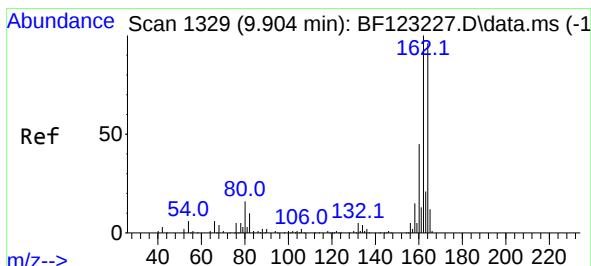
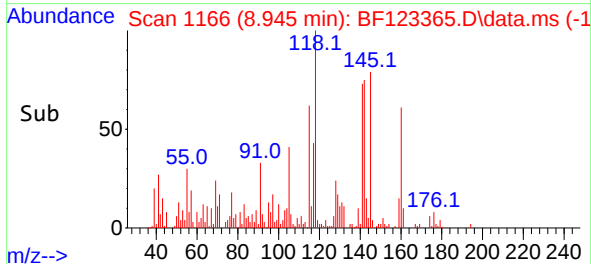
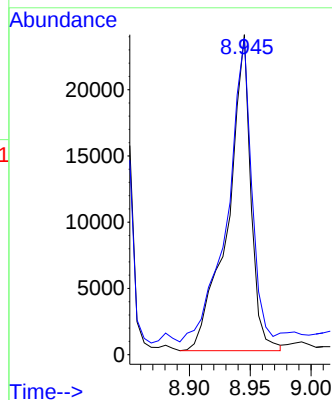
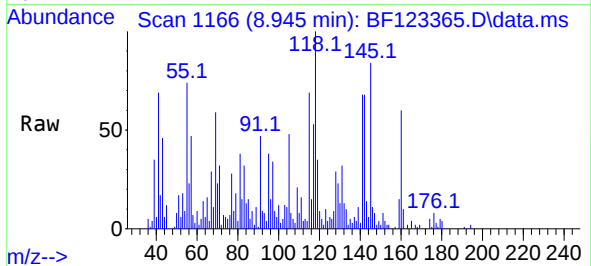
#38
1-Methylnaphthalene
Concen: 2.14 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.000 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:142 Resp: 30984
Ion Ratio Lower Upper
142 100
141 98.9 74.5 111.7

Instrument :
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ClientSampleId :
JC-02-030221

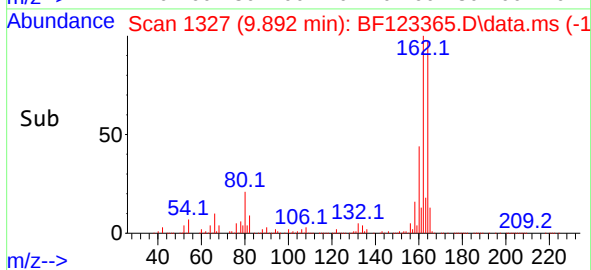
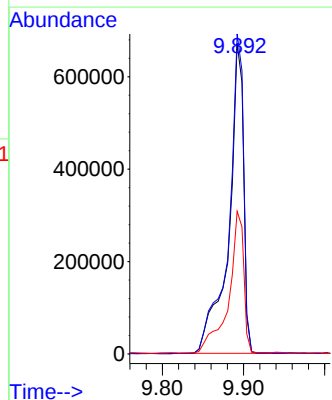
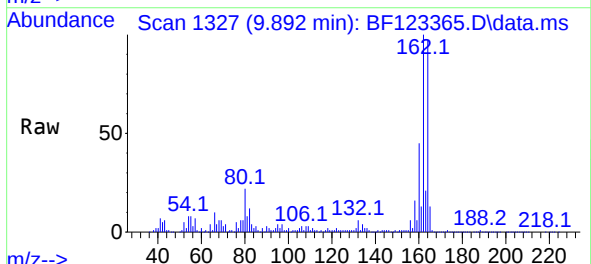
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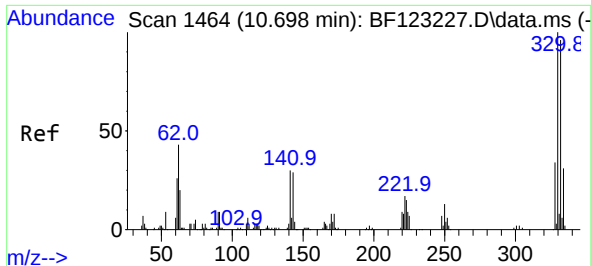
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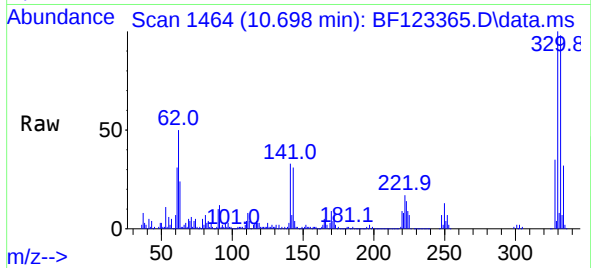
#39
Acenaphthene-d10
Concen: 80.00 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:164 Resp: 851429
Ion Ratio Lower Upper
164 100
162 103.0 80.8 121.2
160 46.0 35.4 53.0

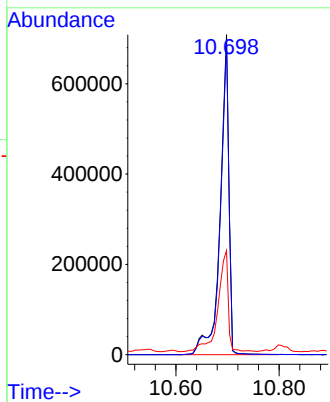
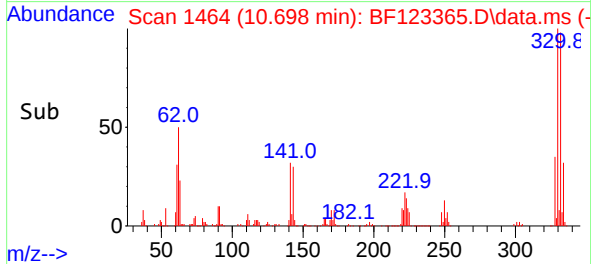




#42
2,4,6-Tribromophenol
Concen: 382.39 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.017 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



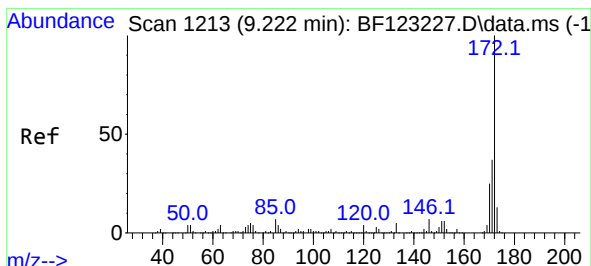
Tgt Ion: 330 Resp: 828797
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 36.9 23.8 35.8#



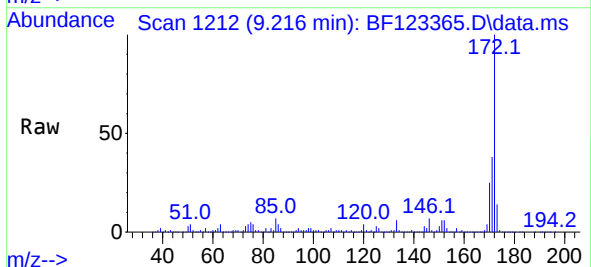
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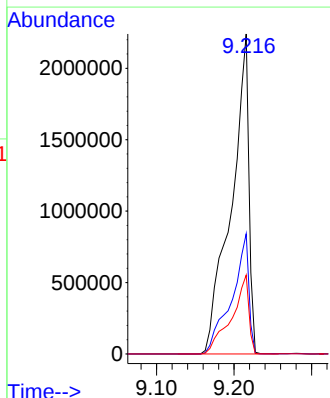
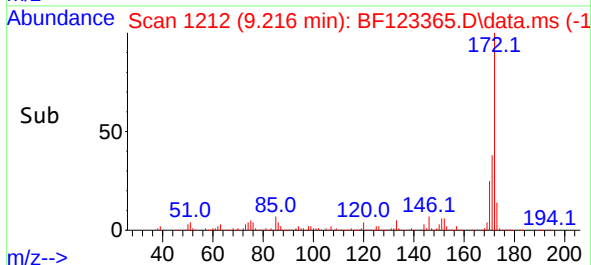
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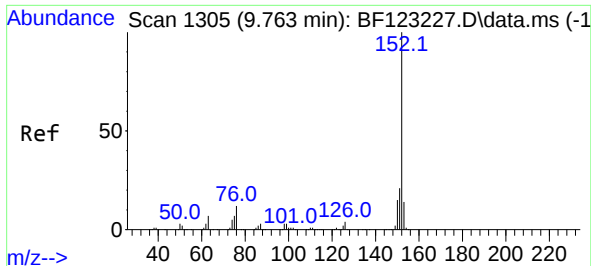


#45
2-Fluorobiphenyl
Concen: 239.52 ng
RT: 9.216 min Scan# 1212
Delta R.T. 0.006 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



Tgt Ion: 172 Resp: 3549332
Ion Ratio Lower Upper
172 100
171 37.5 29.6 44.4
170 24.7 19.5 29.3





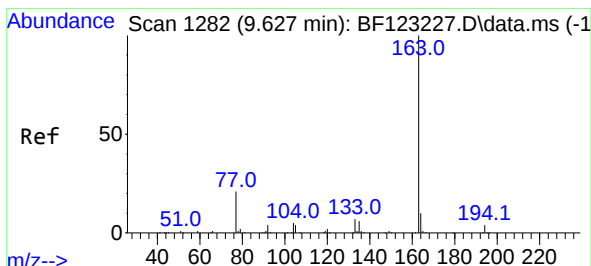
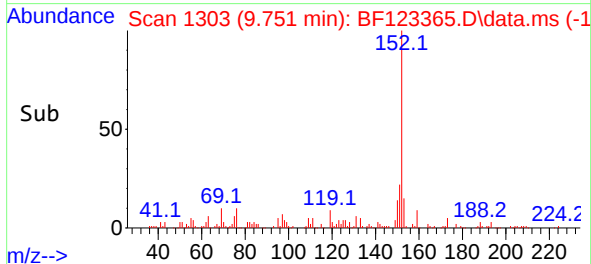
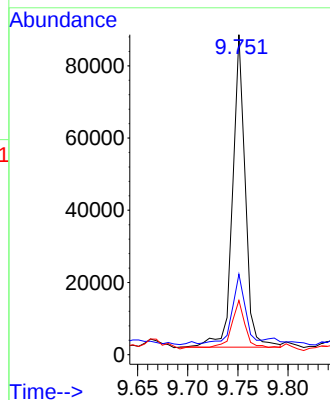
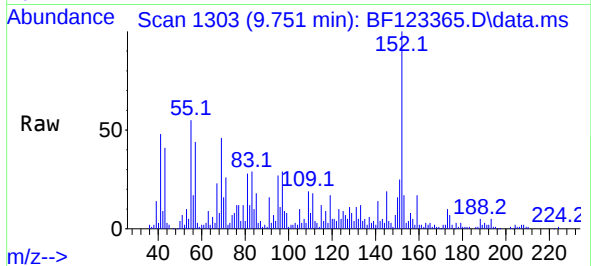
#49
Acenaphthylene
Concen: 3.60 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:152 Resp: 76062
Ion Ratio Lower Upper
152 100
151 25.1 16.6 25.0#
153 17.0 10.9 16.3#

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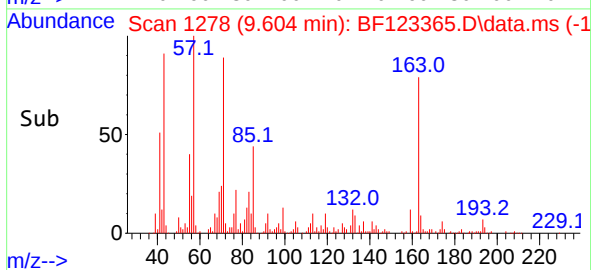
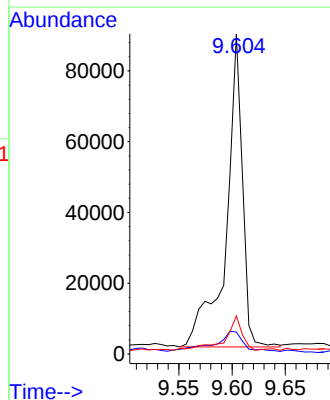
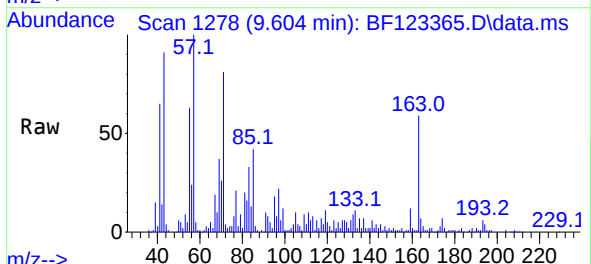
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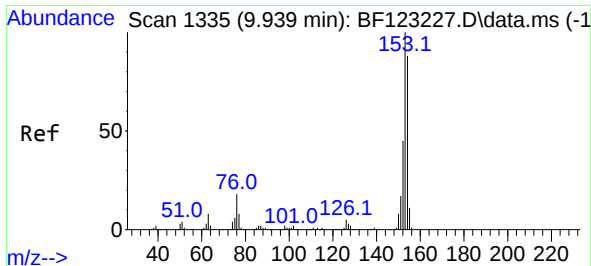
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#50
Dimethylphthalate
Concen: 5.92 ng
RT: 9.604 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:163 Resp: 94217
Ion Ratio Lower Upper
163 100
194 6.8 3.4 5.0#
164 11.9 8.1 12.1





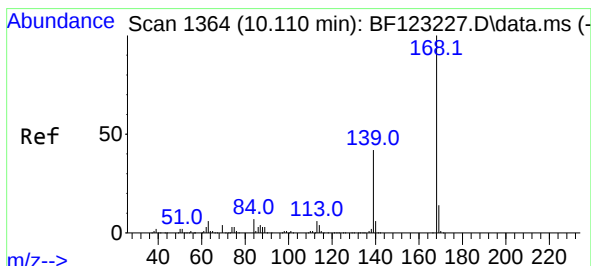
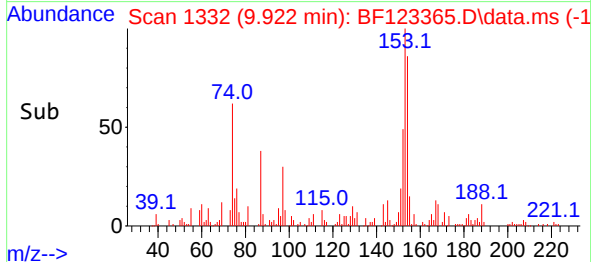
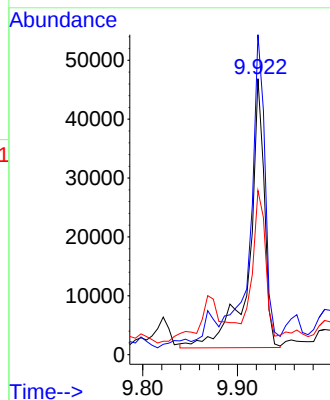
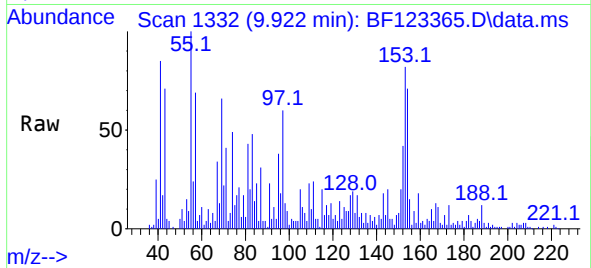
#52
Acenaphthene
Concen: 3.53 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:154 Resp: 51452
Ion Ratio Lower Upper
154 100
153 115.9 89.0 133.6
152 59.5 42.7 64.1

Instrument :
BNA_F
ClientSampleId :
JC-02-030221

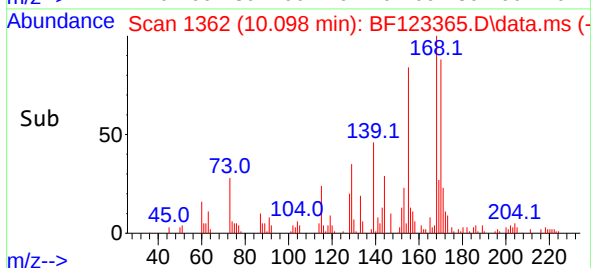
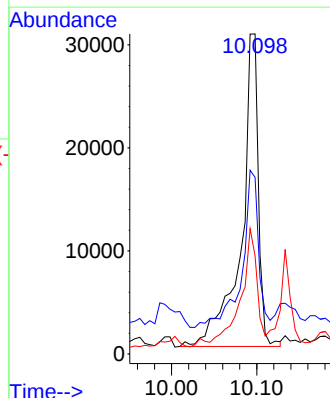
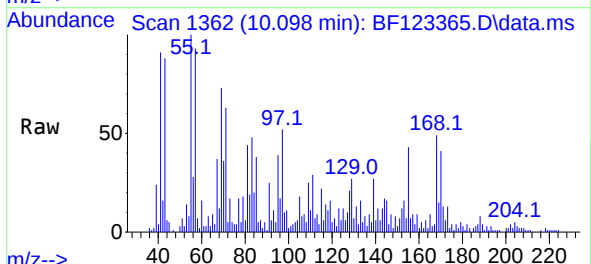
Manual Integrations
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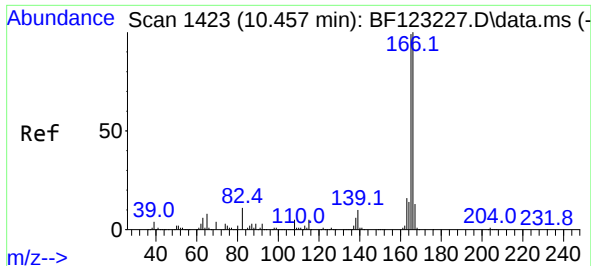
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#55
Dibenzofuran
Concen: 2.15 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.000 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

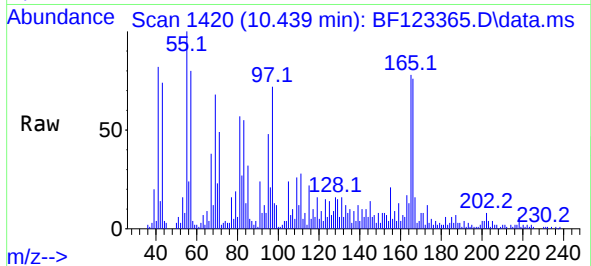
Tgt Ion:168 Resp: 42347
Ion Ratio Lower Upper
168 100
139 55.2 31.3 46.9#
169 30.6 11.2 16.8#





#58
Fluorene
Concen: 3.81 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

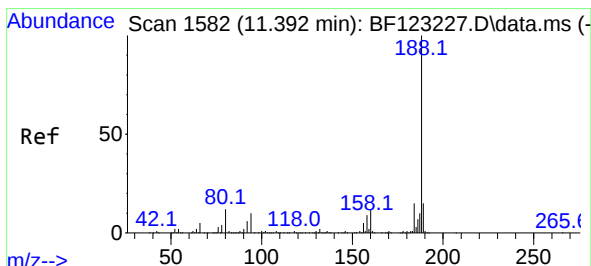
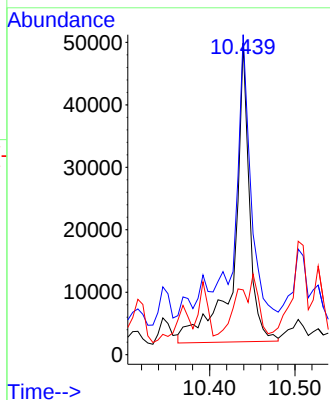
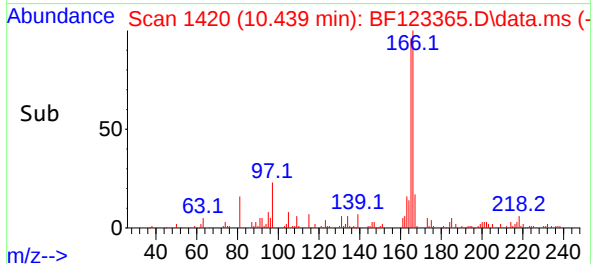
Instrument :
BNA_F
ClientSampleId :
JC-02-030221



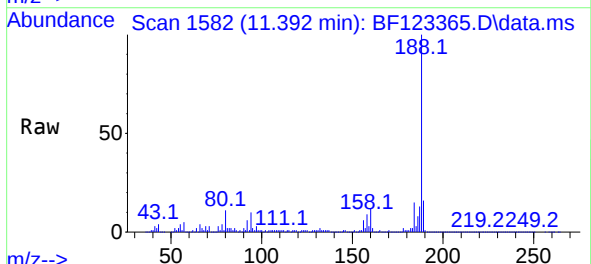
Tgt Ion:166 Resp: 59082
Ion Ratio Lower Upper
166 100
165 102.7 79.4 119.0
167 20.8 10.9 16.3#

Manual Integrations
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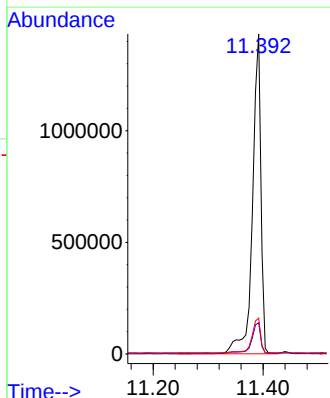
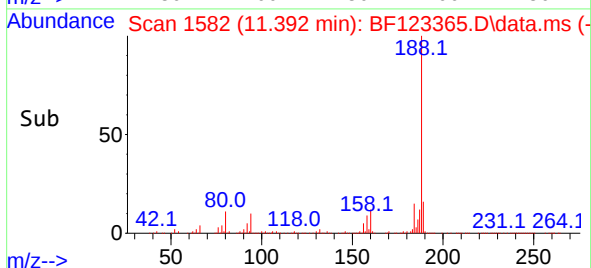
mohammad
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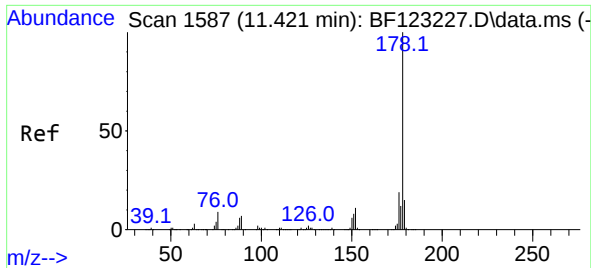


#64
Phenanthrene-d10
Concen: 80.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.012 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

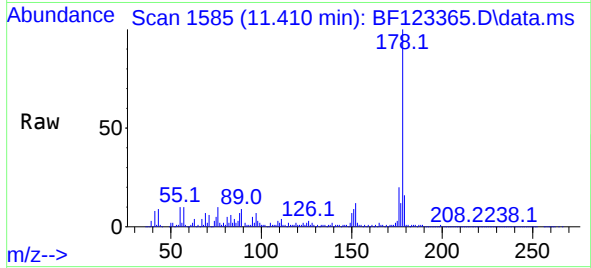


Tgt Ion:188 Resp: 1516056
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 11.2 8.2 12.4

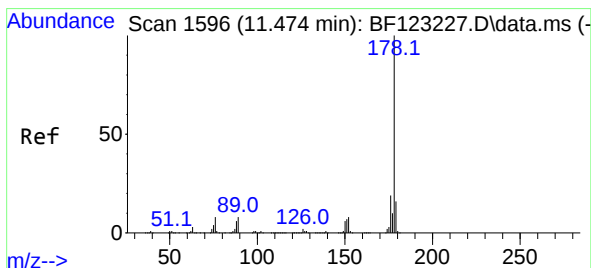
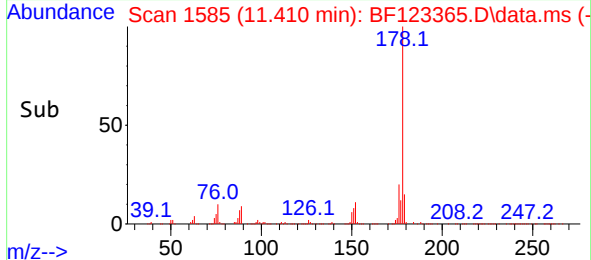
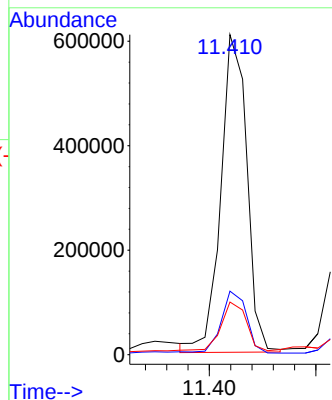




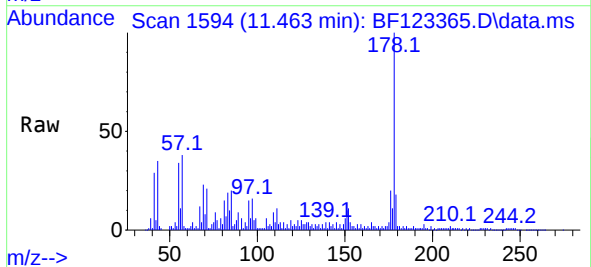
#71
Phenanthrene
Concen: 23.06 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



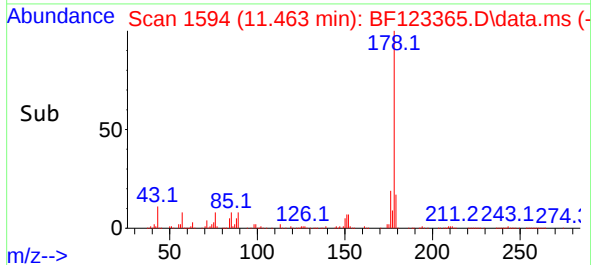
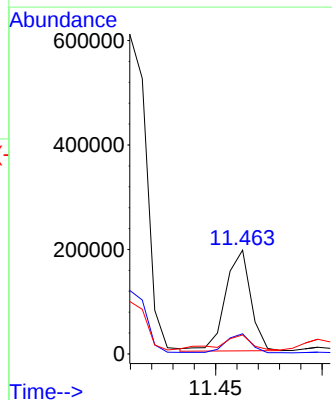
Tgt Ion:178 Resp: 516770
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.2
179 16.4 12.7 19.1



#72
Anthracene
Concen: 7.15 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.006 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



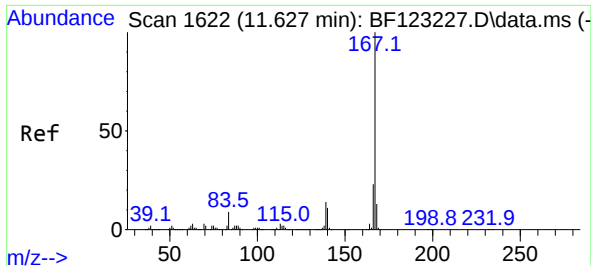
Tgt Ion:178 Resp: 159916
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 18.3 12.8 19.2



Instrument :
BNA_F
ClientSampled :
JC-02-030221

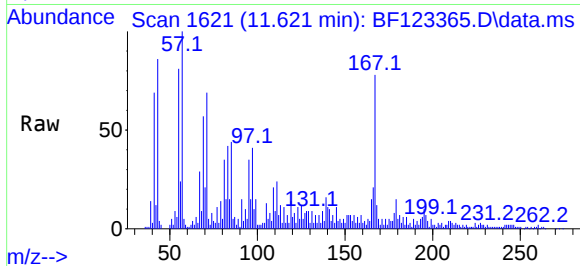
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#73
 Carbazole
 Concen: 2.77 ng
 RT: 11.621 min Scan# 1621
 Delta R.T. 0.012 min
 Lab File: BF123365.D
 Acq: 3 Mar 2021 20:20

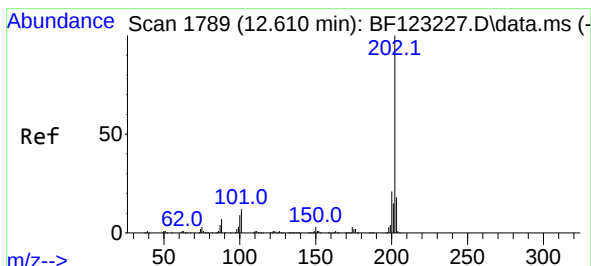
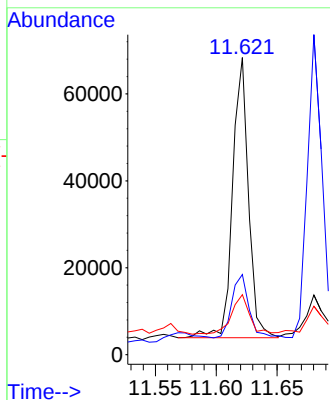
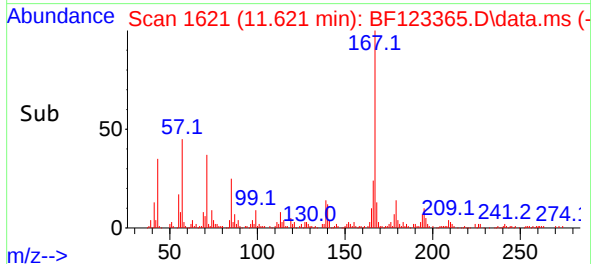
Instrument :
 BNA_F
 ClientSampled :
 JC-02-030221



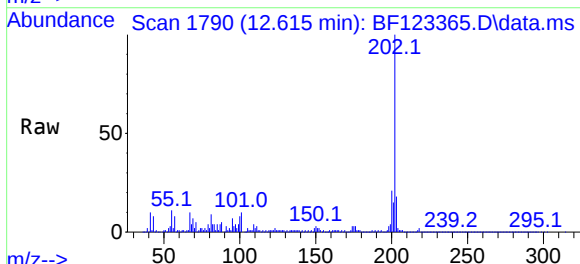
Tgt Ion:167 Resp: 58371
 Ion Ratio Lower Upper
 167 100
 166 27.0 18.0 27.0
 139 20.2 10.9 16.3#

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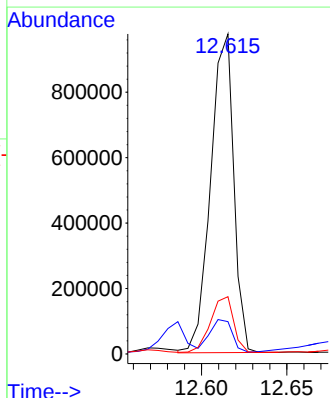
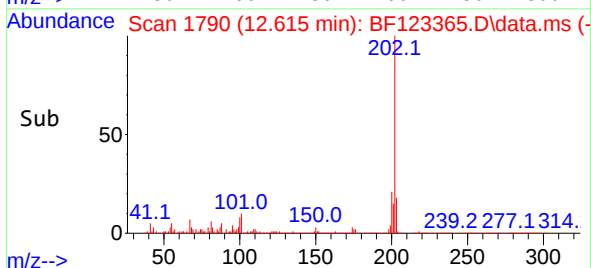
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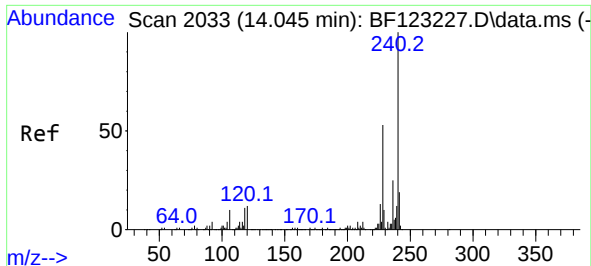


#75
 Fluoranthene
 Concen: 38.77 ng
 RT: 12.615 min Scan# 1790
 Delta R.T. 0.017 min
 Lab File: BF123365.D
 Acq: 3 Mar 2021 20:20



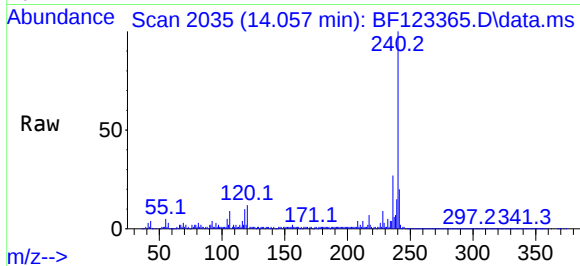
Tgt Ion:202 Resp: 920949
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 32.2
 203 17.9 0.0 38.1





#76
Chrysene-d12
Concen: 80.00 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.023 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

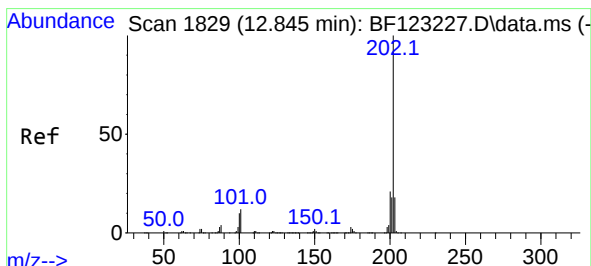
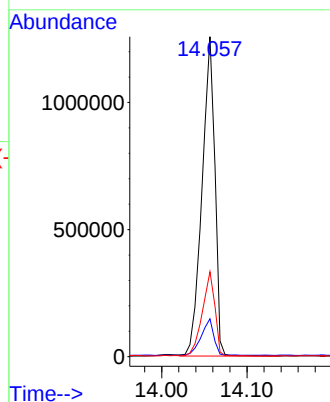
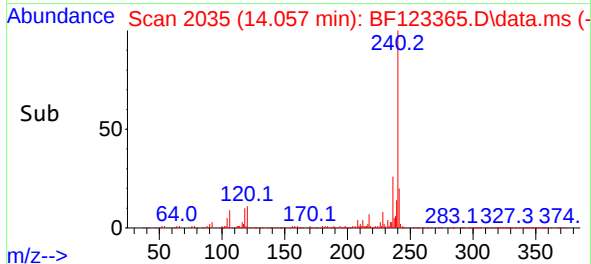
Instrument :
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ClientSampleId :
JC-02-030221



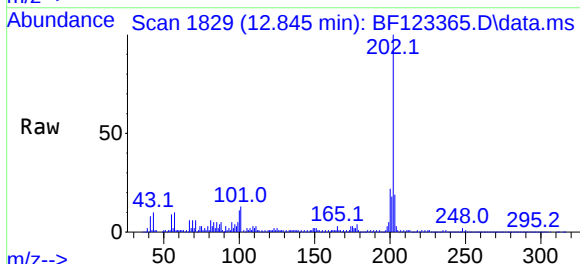
Tgt Ion:240 Resp: 1314464
Ion Ratio Lower Upper
240 100
120 11.8 8.6 12.8
236 26.6 20.3 30.5

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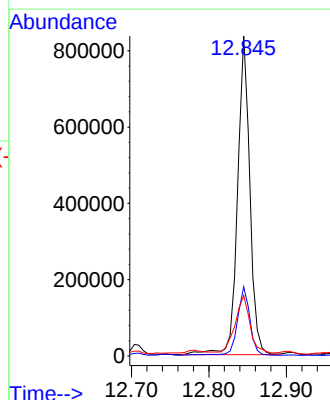
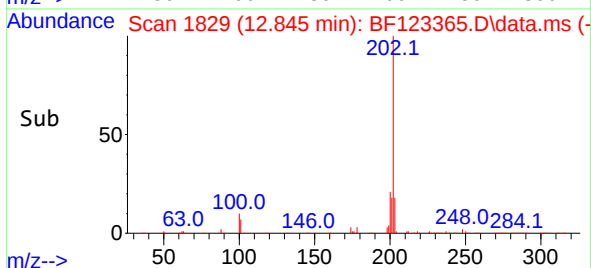
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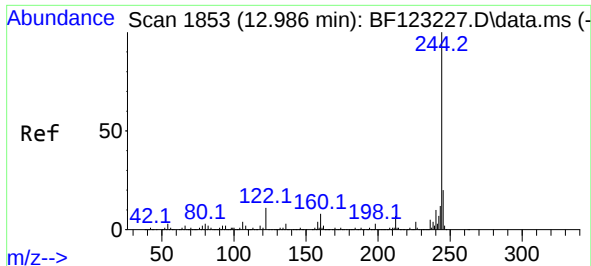


#78
Pyrene
Concen: 35.90 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.017 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



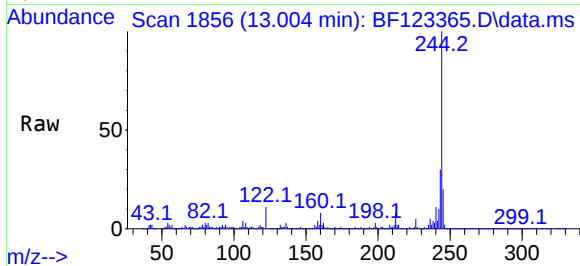
Tgt Ion:202 Resp: 921093
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 18.9 14.6 21.8





#79
Terphenyl-d14
Concen: 200.58 ng
RT: 13.004 min Scan# 1856
Delta R.T. 0.035 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

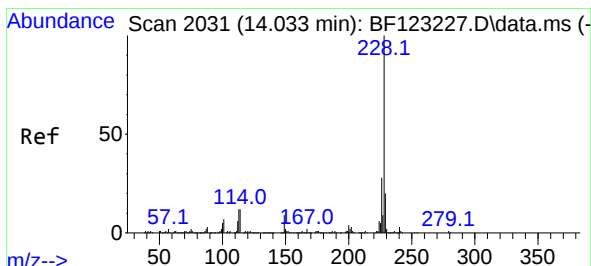
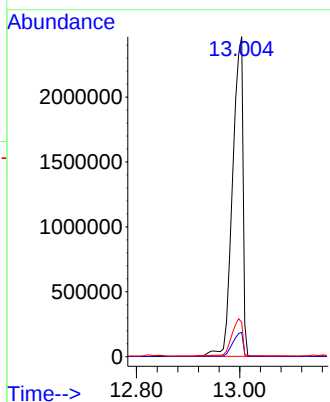
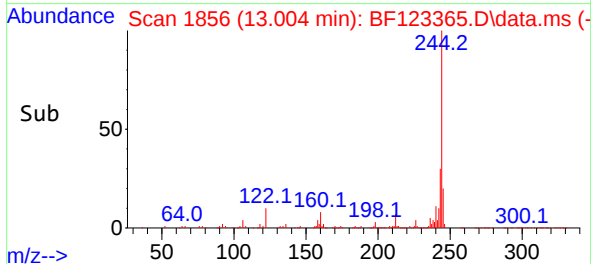
Instrument :
BNA_F
ClientSampled :
JC-02-030221



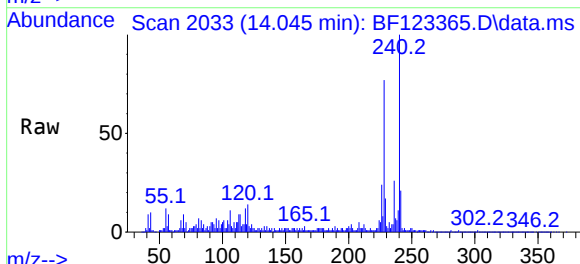
Tgt Ion:244 Resp: 3427798
Ion Ratio Lower Upper
244 100
212 7.6 5.7 8.5
122 10.8 8.3 12.5

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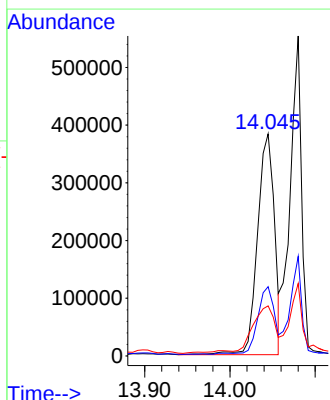
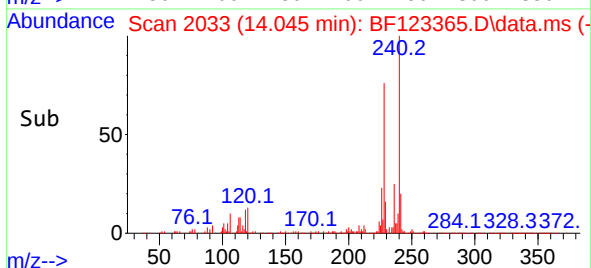
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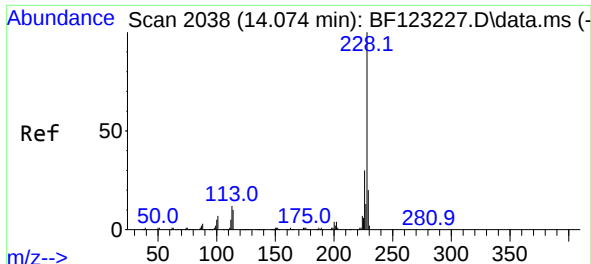


#81
Benzo(a)anthracene
Concen: 23.63 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.023 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

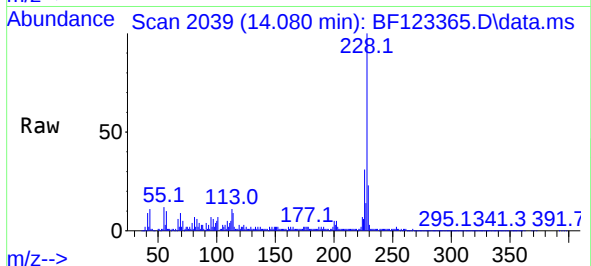


Tgt Ion:228 Resp: 527659
Ion Ratio Lower Upper
228 100
226 31.2 23.0 34.4
229 22.5 16.6 24.8

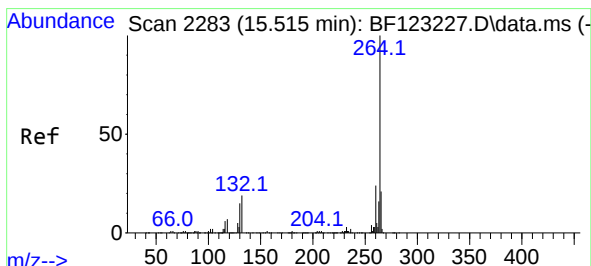
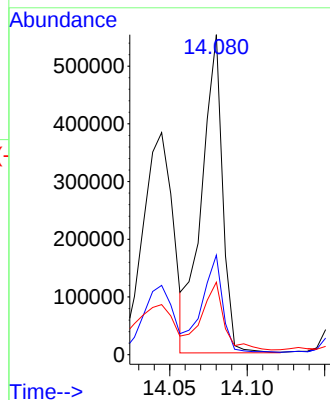
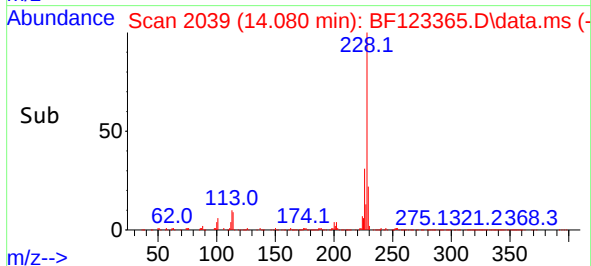




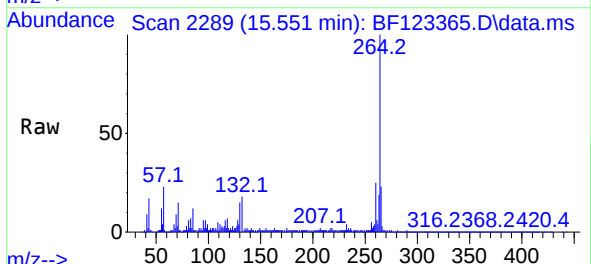
#83
Chrysene
Concen: 23.58 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.023 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



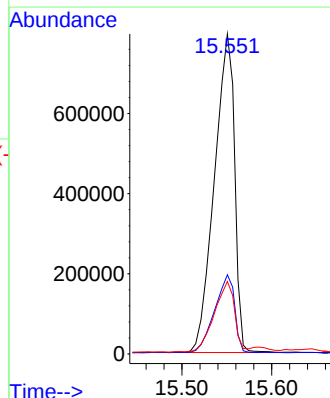
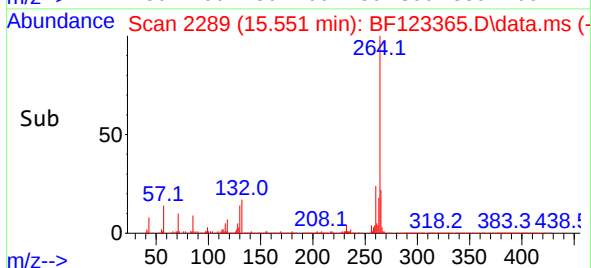
Tgt Ion:228 Resp: 517174
Ion Ratio Lower Upper
228 100
226 31.1 24.6 36.8
229 22.6 15.8 23.6



#86
Perylene-d12
Concen: 80.00 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.053 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



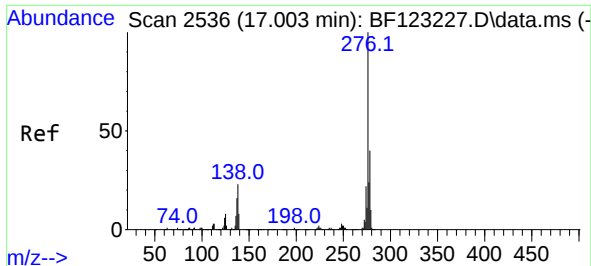
Tgt Ion:264 Resp: 1243846
Ion Ratio Lower Upper
264 100
260 24.8 18.6 28.0
265 22.6 17.0 25.6



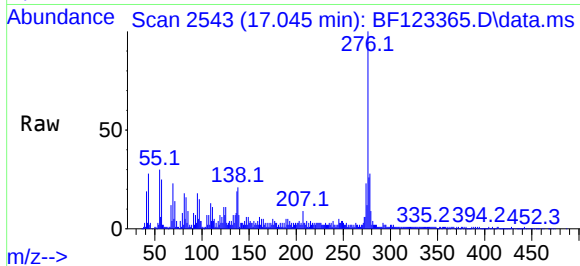
Instrument :
BNA_F
ClientSampleId :
JC-02-030221

Manual Integrations
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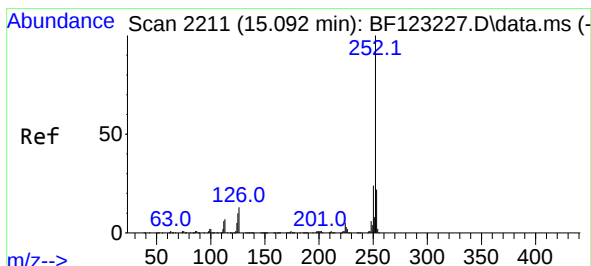
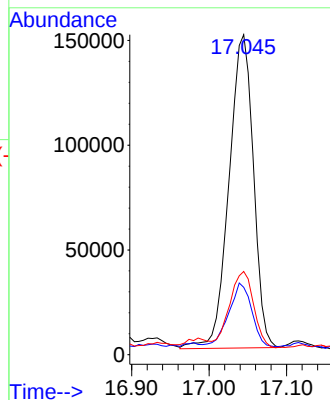
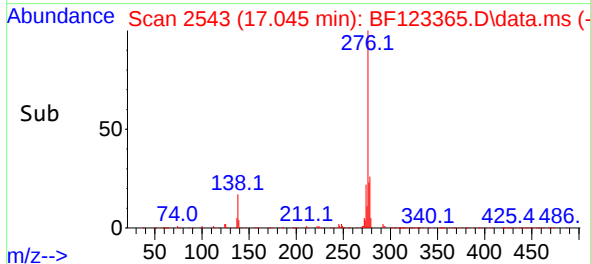
mohammad
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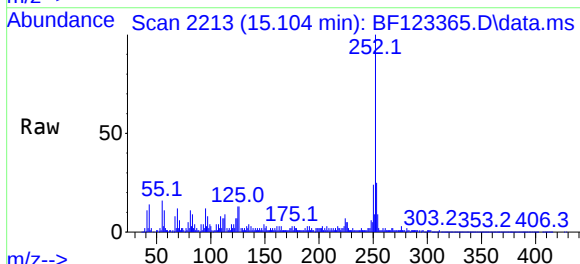
#87
Indeno(1,2,3-cd)pyrene
Concen: 15.30 ng
RT: 17.045 min Scan# 2543
Delta R.T. 0.065 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



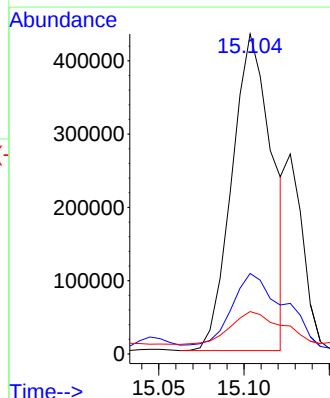
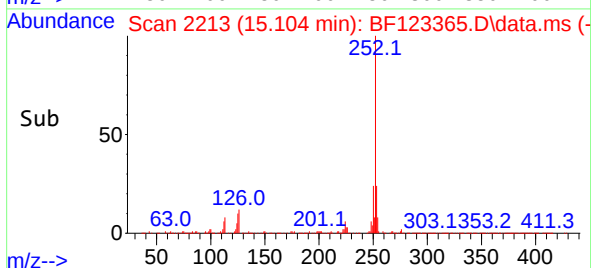
Tgt Ion: 276 Resp: 328791
Ion Ratio Lower Upper
276 100
138 19.0 18.7 28.1
277 24.1 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 32.49 ng m
RT: 15.104 min Scan# 2213
Delta R.T. 0.029 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



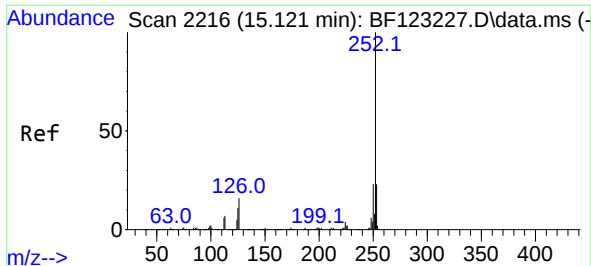
Tgt Ion: 252 Resp: 709675
Ion Ratio Lower Upper
252 100
253 25.1 18.3 27.5
125 13.3 8.1 12.1#



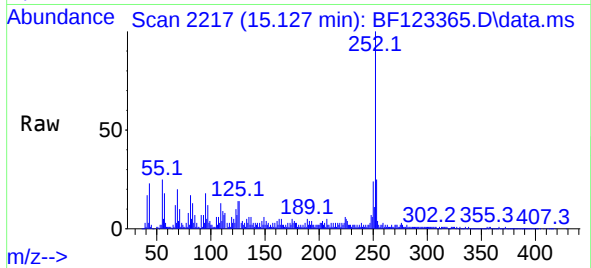
Instrument :
BNA_F
ClientSampled :
JC-02-030221

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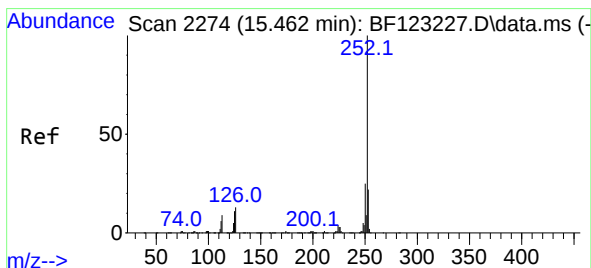
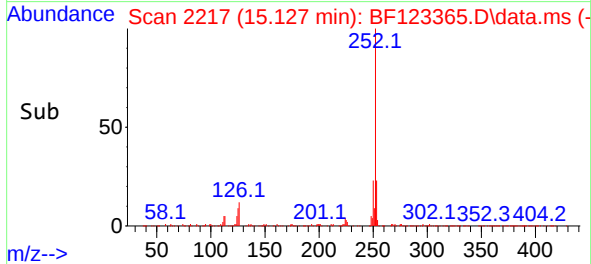
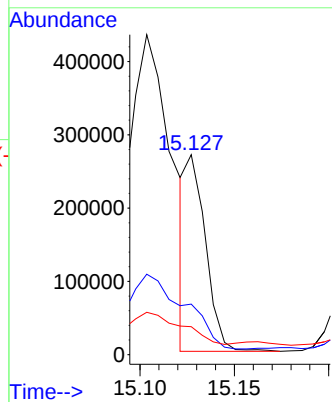
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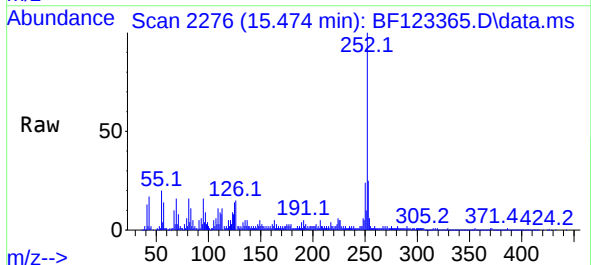
#89
Benzo(k)fluoranthene
Concen: 9.70 ng m
RT: 15.127 min Scan# 2217
Delta R.T. 0.023 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



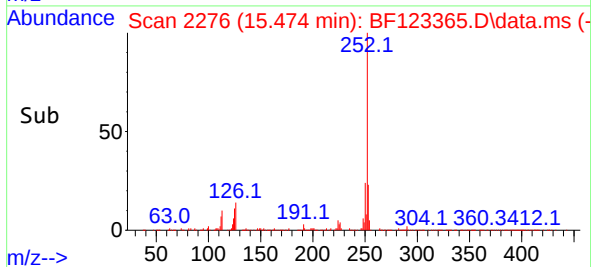
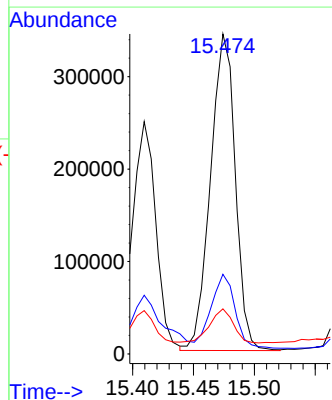
Tgt Ion:252 Resp: 191986
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.8
125 14.0 8.4 12.6#



#90
Benzo(a)pyrene
Concen: 24.95 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.035 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20



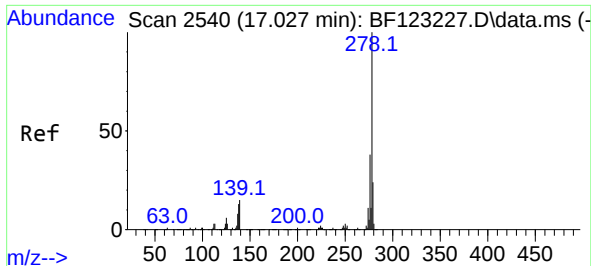
Tgt Ion:252 Resp: 485946
Ion Ratio Lower Upper
252 100
253 24.9 17.5 26.3
125 14.1 8.6 12.8#



Instrument :
BNA_F
ClientSampleId :
JC-02-030221

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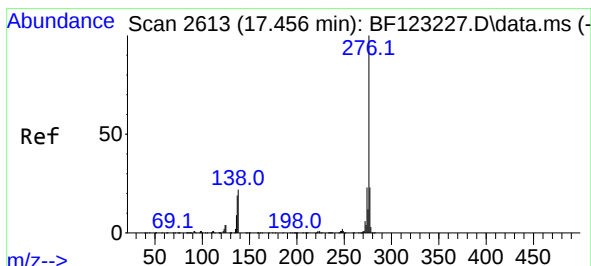
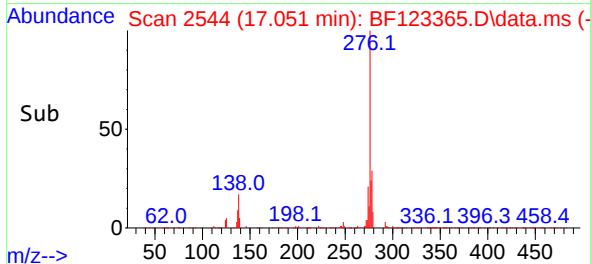
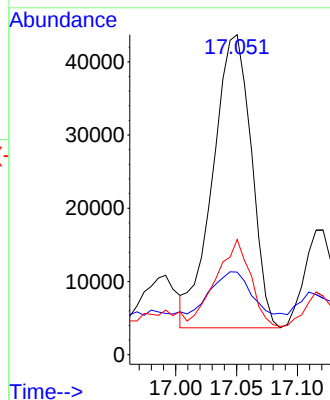
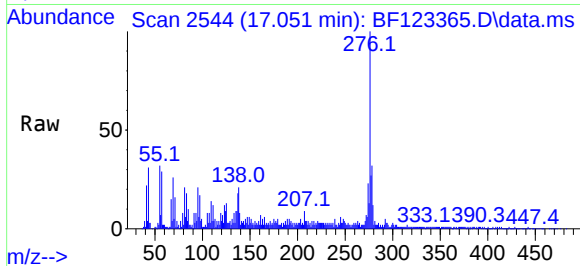
#91
Dibenzo(a,h)anthracene
Concen: 4.78 ng
RT: 17.051 min Scan# 2544
Delta R.T. 0.053 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:278 Resp: 88116
Ion Ratio Lower Upper
278 100
139 25.8 12.0 18.0#
279 36.0 19.4 29.2#

Instrument :
BNA_F
ClientSampled :
JC-02-030221

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 18.76 ng
RT: 17.503 min Scan# 2621
Delta R.T. 0.076 min
Lab File: BF123365.D
Acq: 3 Mar 2021 20:20

Tgt Ion:276 Resp: 318560
Ion Ratio Lower Upper
276 100
277 25.8 19.3 28.9
138 22.2 16.6 24.8

