

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
 Data File : BF123438.D
 Acq On : 24 Mar 2021 14:36
 Operator : JU/CG
 Sample : M1751-01DL 25X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-031921DL

Manual Integrations
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 3/25/2021 11:50:17 AM

Quant Time: Mar 24 15:00:32 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	6.910	152	242746	20.00	ng	0.00
21) Naphthalene-d8	8.198	136	898281	20.00	ng	# 0.00
39) Acenaphthene-d10	9.957	164	484547	20.00	ng	0.00
64) Phenanthrene-d10	11.451	188	759592	20.00	ng	0.00
76) Chrysene-d12	14.098	240	395929	20.00	ng	-0.01
86) Perylene-d12	15.604	264	478801	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	51943	3.50	ng	-0.01
7) Phenol-d6	6.522	99	67203	3.40	ng	-0.02
23) Nitrobenzene-d5	7.463	82	39711	2.39	ng	-0.02
42) 2,4,6-Tribromophenol	10.745	330	14879	2.75	ng	-0.01
45) 2-Fluorobiphenyl	9.269	172	79447	2.34	ng	-0.01
79) Terphenyl-d14	13.033	244	57693	2.47	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.216	128	514520	10.65	ng	99
37) 2-Methylnaphthalene	8.910	142	85249	2.57	ng	100
52) Acenaphthene	9.992	154	399288	13.42	ng	99
55) Dibenzofuran	10.163	168	437565	10.23	ng	98
58) Fluorene	10.504	166	578323	17.91	ng	98
71) Phenanthrene	11.480	178	2556092	60.87	ng	99
72) Anthracene	11.527	178	884204	20.93	ng	98
73) Carbazole	11.675	167	386673	9.69	ng	98
75) Fluoranthene	12.669	202	1812326	39.86	ng	98
78) Pyrene	12.898	202	1387371	40.62	ng	99
81) Benzo(a)anthracene	14.086	228	566939	21.88	ng	98
83) Chrysene	14.121	228	469173	17.54	ng	96
87) Indeno(1,2,3-cd)pyrene	17.121	276	304020	10.22	ng	93
88) Benzo(b)fluoranthene	15.163	252	606333m	18.36	ng	
89) Benzo(k)fluoranthene	15.186	252	245336m	7.86	ng	
90) Benzo(a)pyrene	15.539	252	504889	17.71	ng	98
91) Dibenzo(a,h)anthracene	17.133	278	72033	2.85	ng	95
92) Benzo(g,h,i)perylene	17.580	276	259617	10.27	ng	97

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

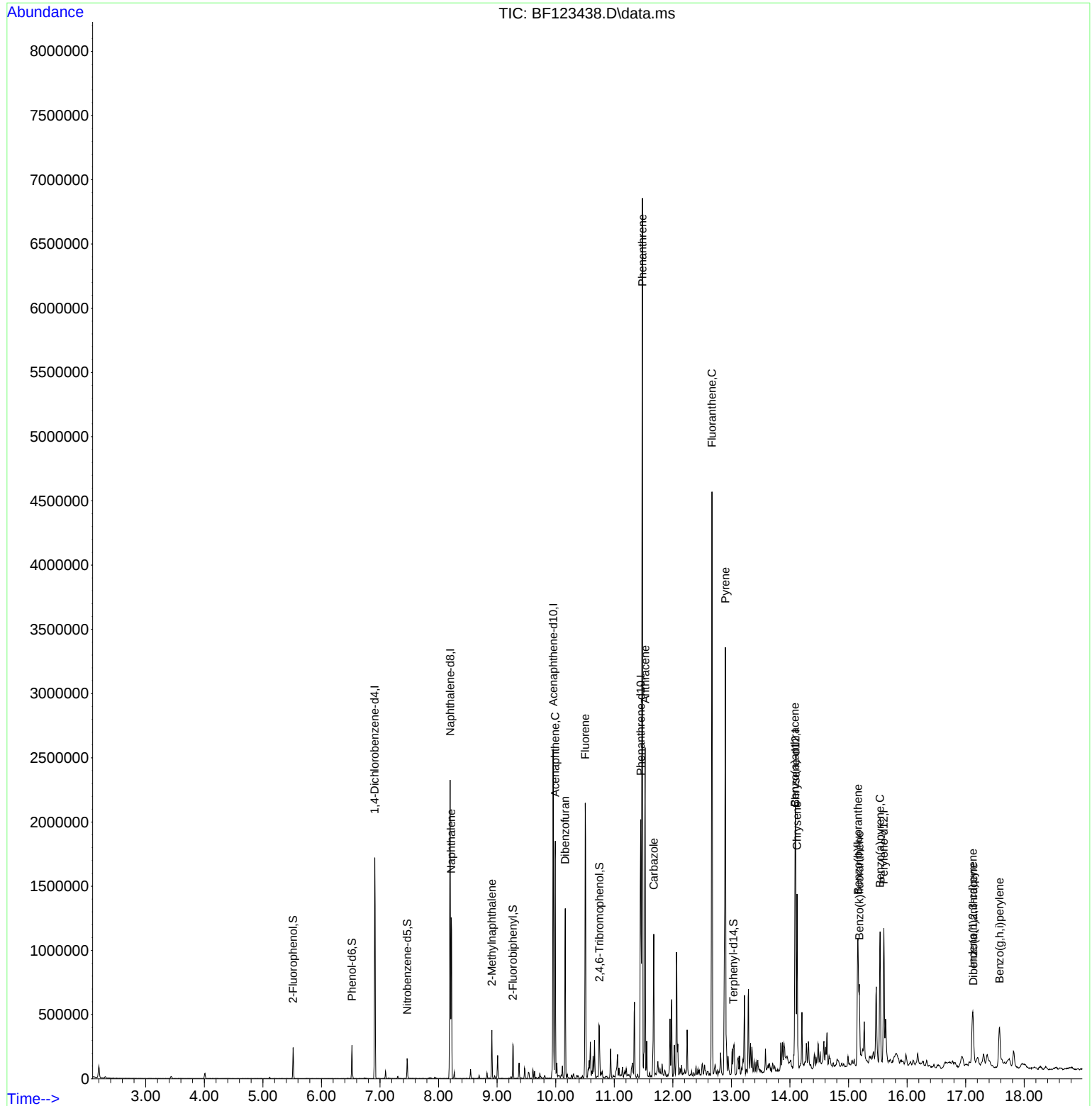
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
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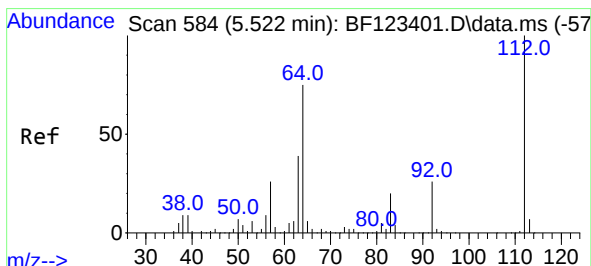
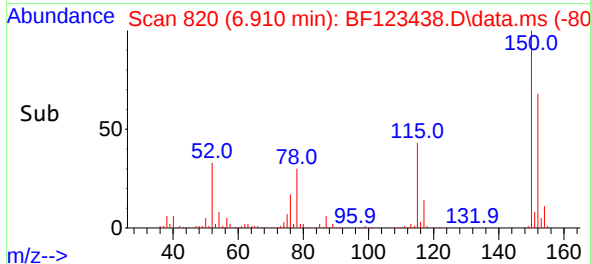
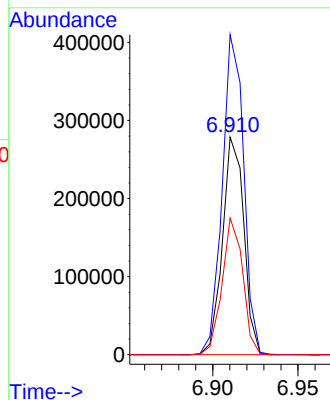
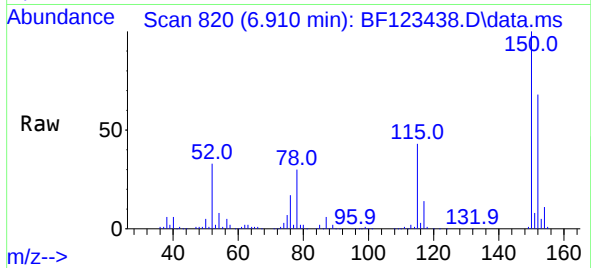
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1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.910 min Scan# 820
Delta R.T. -0.006 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36

Tgt Ion:152 Resp: 242746
Ion Ratio Lower Upper
152 100
150 147.0 125.8 188.6
115 62.8 49.3 73.9

Instrument :
BNA_F
ClientSampleID :
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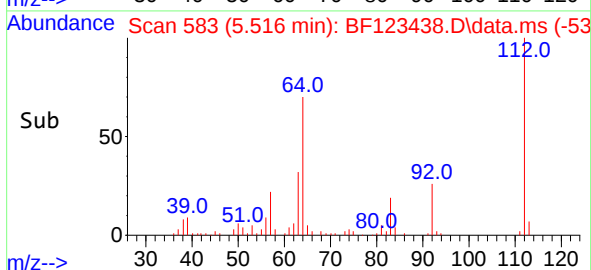
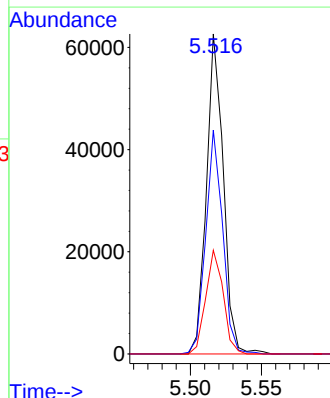
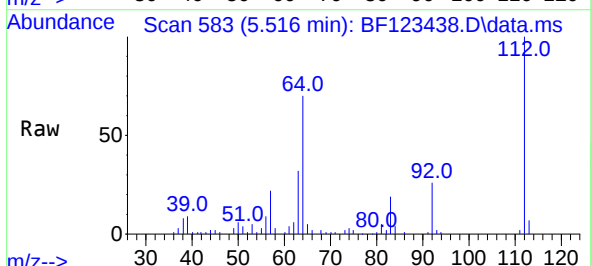
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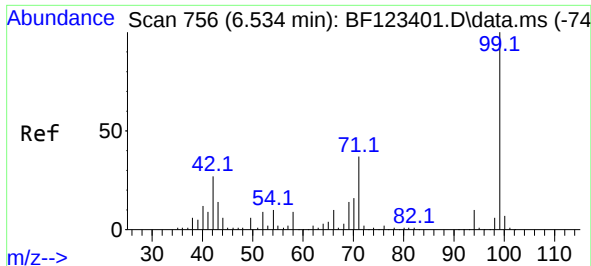
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#5
2-Fluorophenol
Concen: 3.50 ng
RT: 5.516 min Scan# 583
Delta R.T. -0.012 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36

Tgt Ion:112 Resp: 51943
Ion Ratio Lower Upper
112 100
64 70.0 46.9 70.3
63 32.4 24.5 36.7





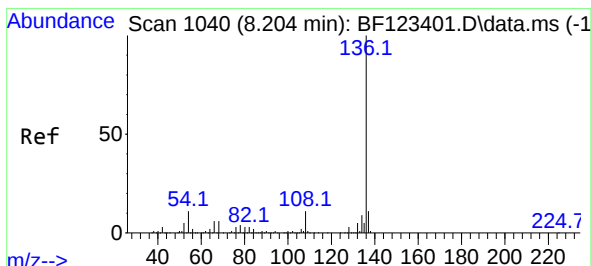
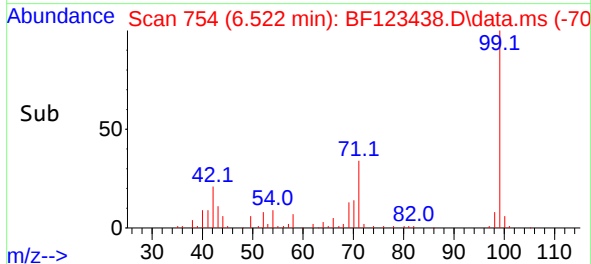
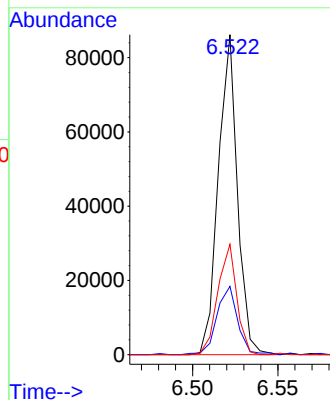
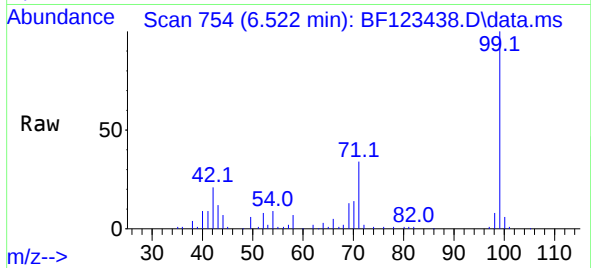
#7
Phenol-d6
Concen: 3.40 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.018 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36

Tgt Ion: 99 Resp: 67203
Ion Ratio Lower Upper
99 100
42 21.3 13.8 20.6#
71 34.5 26.9 40.3

Instrument :
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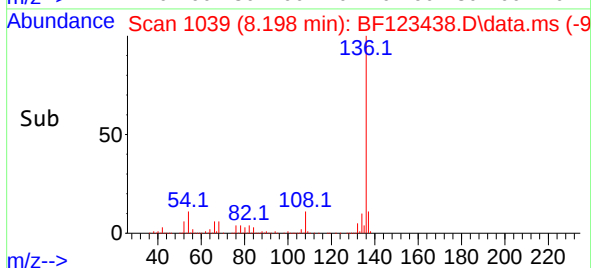
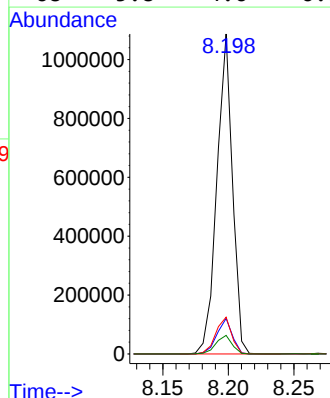
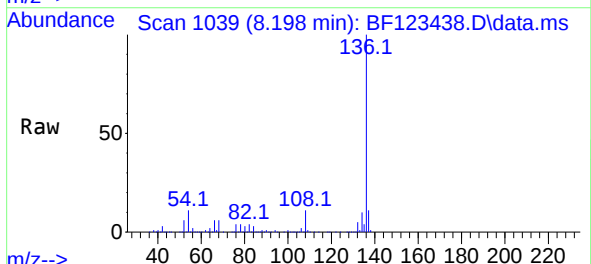
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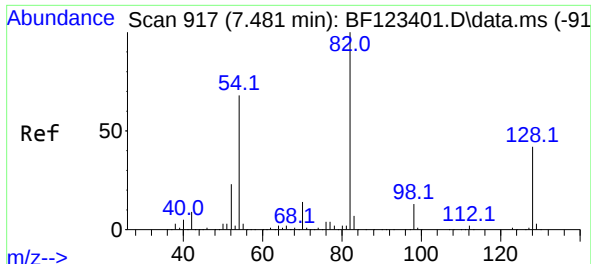
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36

Tgt Ion: 136 Resp: 898281
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 11.5 5.5 8.3#
68 5.8 4.6 6.8





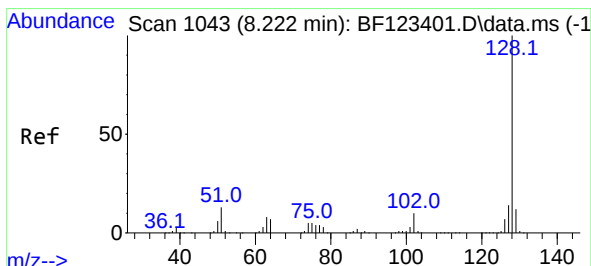
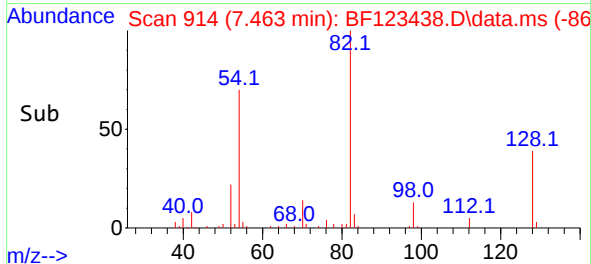
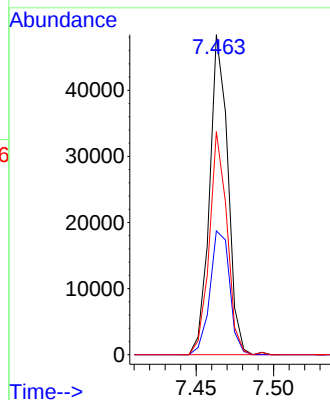
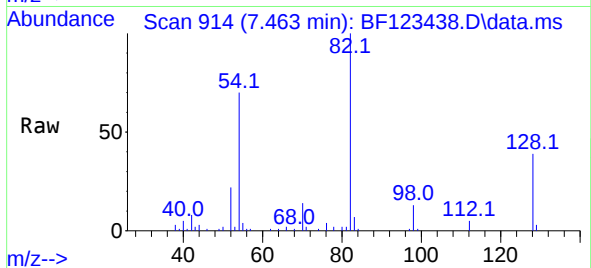
#23
Nitrobenzene-d5
Concen: 2.39 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.018 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36

Tgt Ion: 82 Resp: 39711
Ion Ratio Lower Upper
82 100
128 38.7 37.0 55.4
54 69.7 38.4 57.6#

Instrument :
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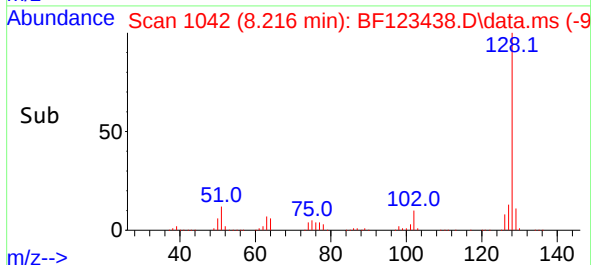
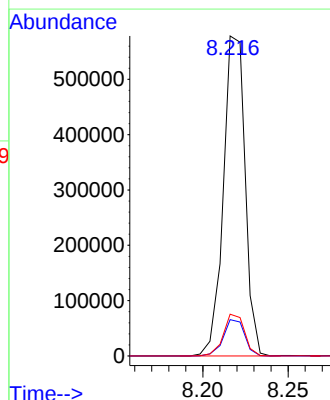
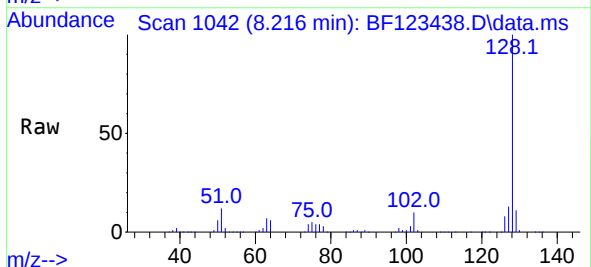
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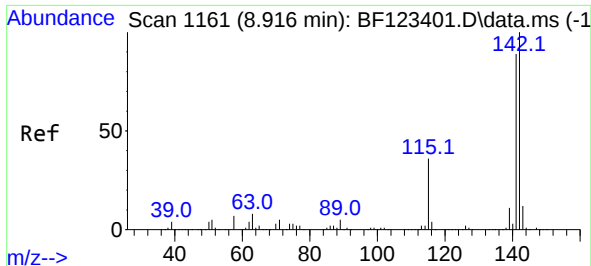
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#31
Naphthalene
Concen: 10.65 ng
RT: 8.216 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36

Tgt Ion: 128 Resp: 514520
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.0 10.7 16.1





#37

2-Methylnaphthalene

Concen: 2.57 ng

RT: 8.910 min Scan# 1160

Delta R.T. -0.006 min

Lab File: BF123438.D

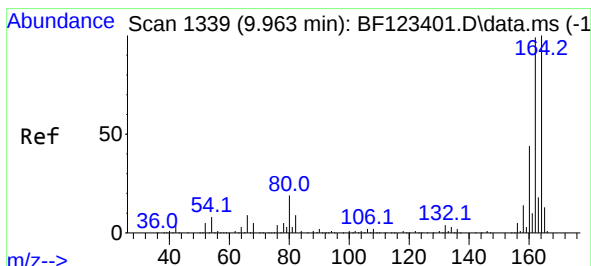
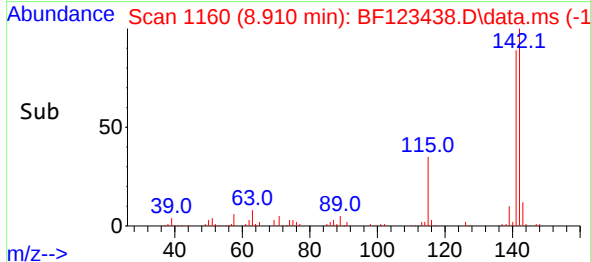
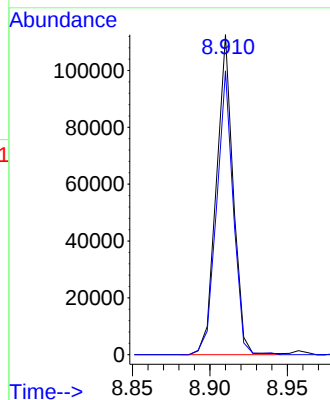
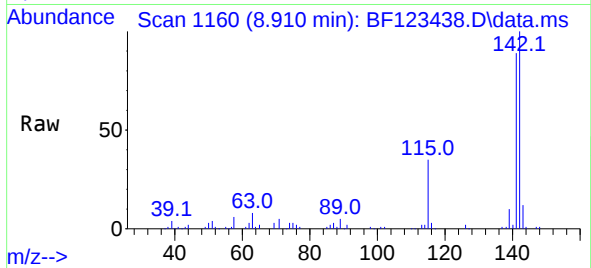
Acq: 24 Mar 2021 14:36

Tgt Ion:142 Resp: 85249

Ion Ratio Lower Upper

142 100

141 88.7 70.6 106.0



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.957 min Scan# 1338

Delta R.T. -0.006 min

Lab File: BF123438.D

Acq: 24 Mar 2021 14:36

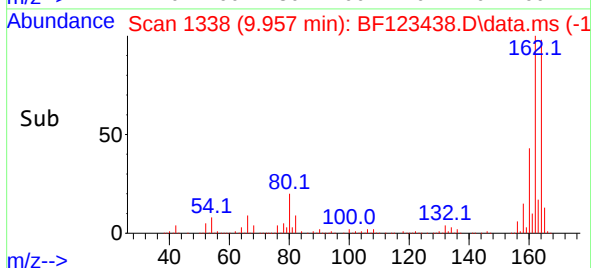
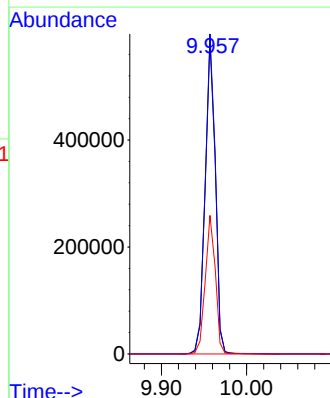
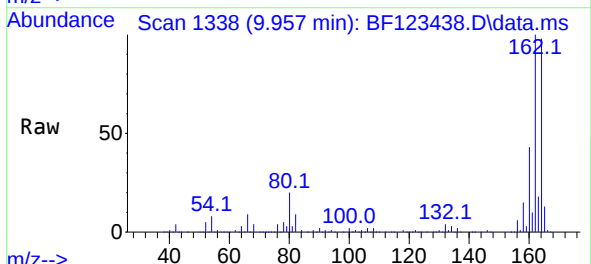
Tgt Ion:164 Resp: 484547

Ion Ratio Lower Upper

164 100

162 102.1 80.8 121.2

160 44.2 35.4 53.0



Instrument :

BNA_F

ClientSampleId :

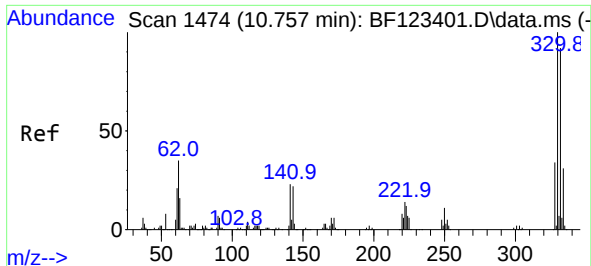
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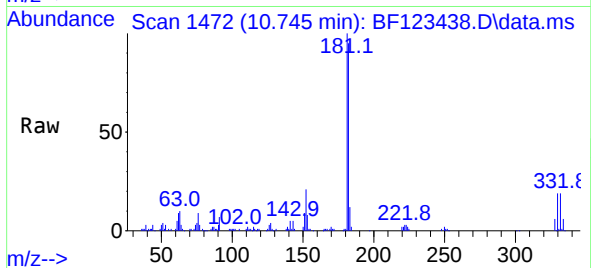
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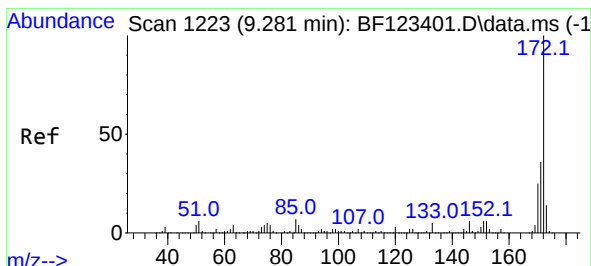
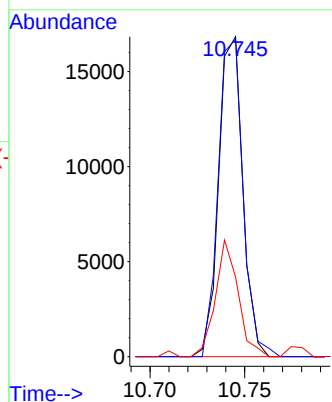
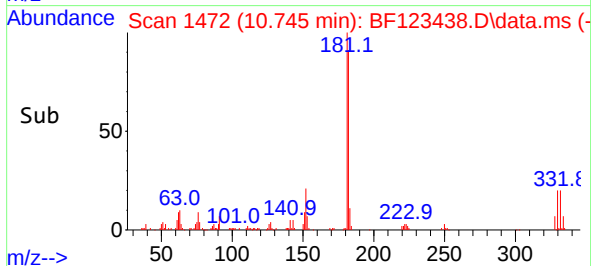
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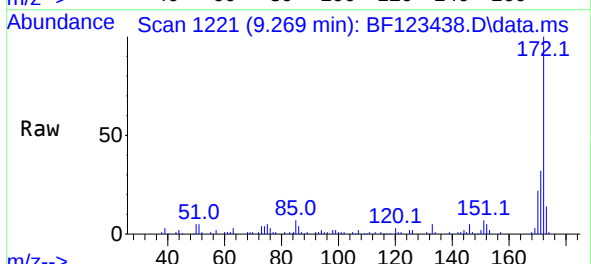
#42
2,4,6-Tribromophenol
Concen: 2.75 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.012 min
Lab File: BF123438.D
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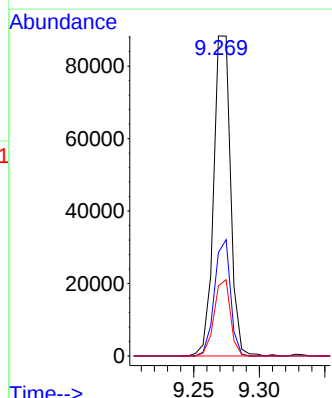
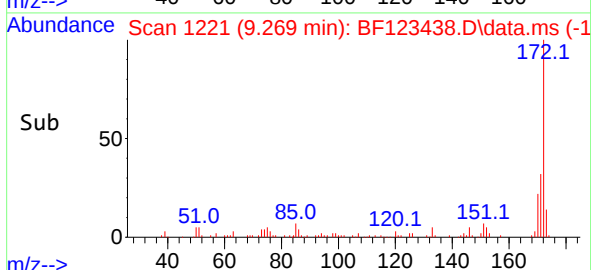
Tgt Ion: 330 Resp: 14879
Ion Ratio Lower Upper
330 100
332 102.1 77.5 116.3
141 34.4 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 2.34 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.012 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36



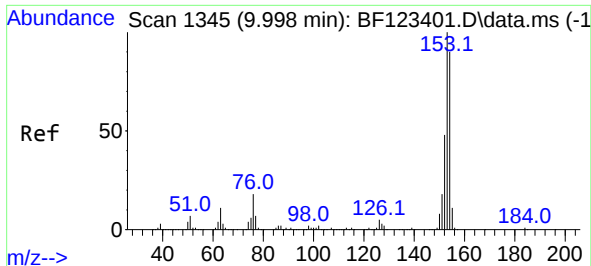
Tgt Ion: 172 Resp: 79447
Ion Ratio Lower Upper
172 100
171 32.4 29.6 44.4
170 21.9 19.5 29.3



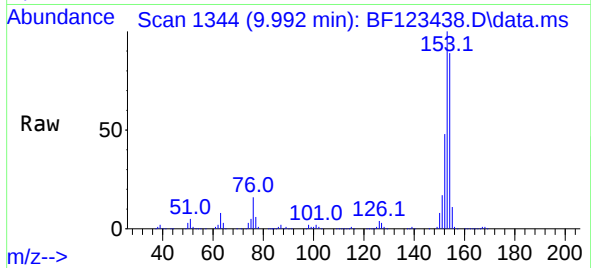
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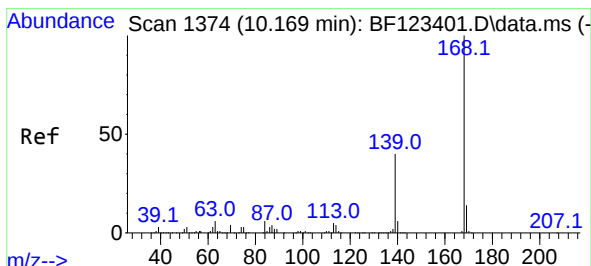
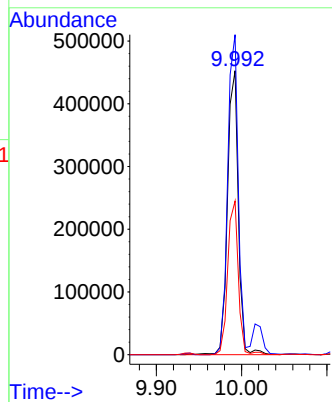
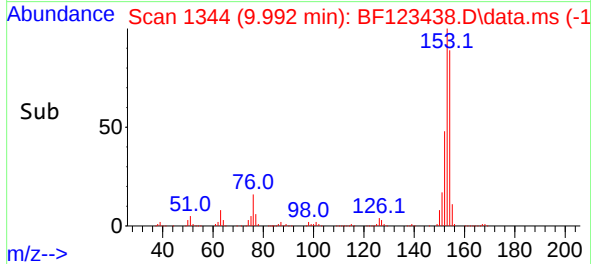
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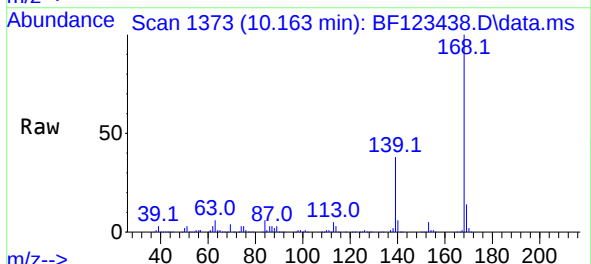
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Acenaphthene
Concen: 13.42 ng
RT: 9.992 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36



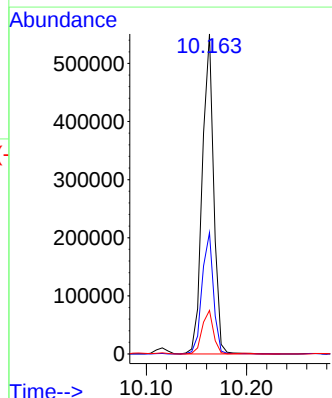
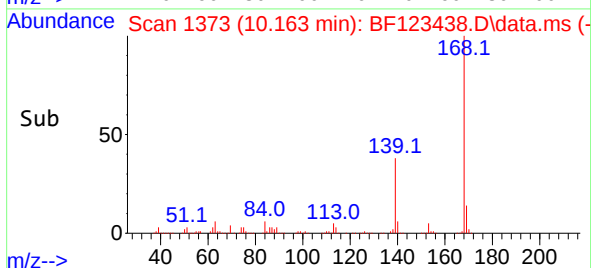
Tgt Ion:154 Resp: 399288
Ion Ratio Lower Upper
154 100
153 112.7 89.0 133.6
152 54.1 42.7 64.1



#55
Dibenzofuran
Concen: 10.23 ng
RT: 10.163 min Scan# 1373
Delta R.T. -0.006 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36



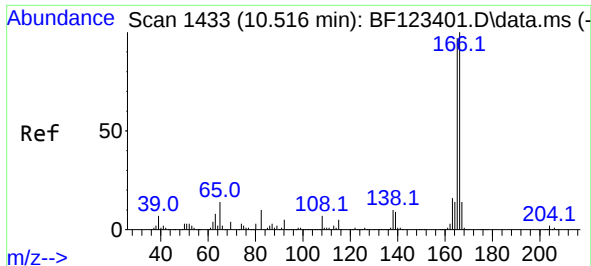
Tgt Ion:168 Resp: 437565
Ion Ratio Lower Upper
168 100
139 37.9 31.3 46.9
169 13.6 11.2 16.8



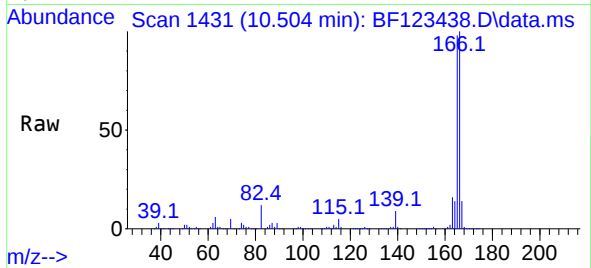
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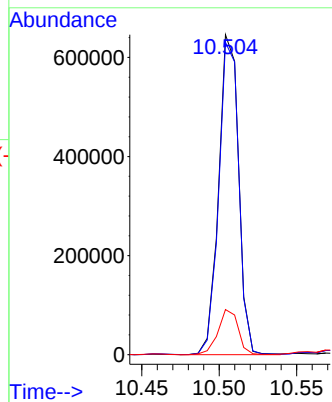
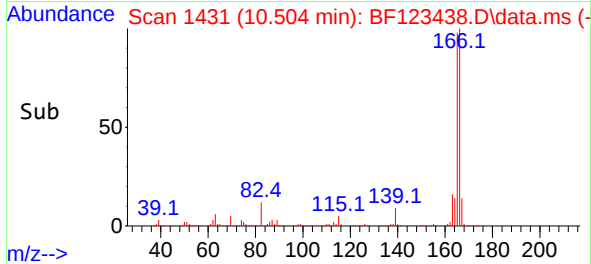
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#58
Fluorene
Concen: 17.91 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36



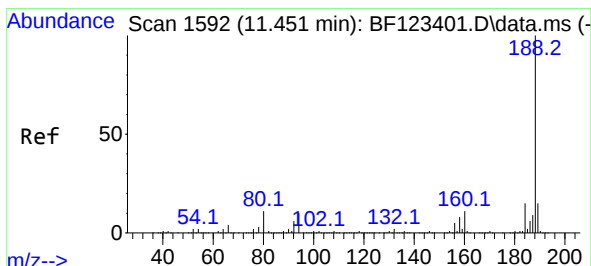
Tgt Ion:166 Resp: 578323
Ion Ratio Lower Upper
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165 97.6 79.4 119.0
167 14.1 10.9 16.3



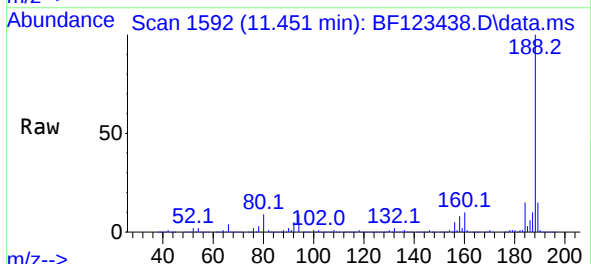
Instrument :
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ClientSampleId :
BU-03-031921DL

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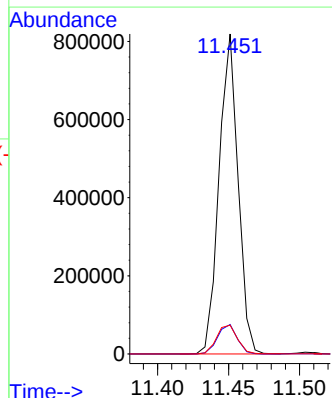
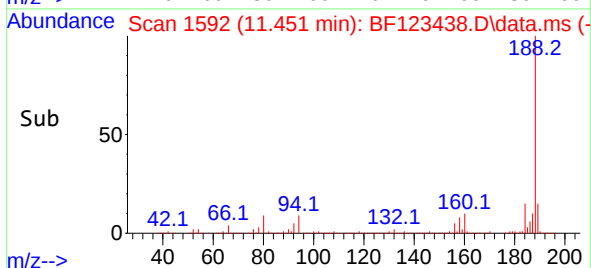
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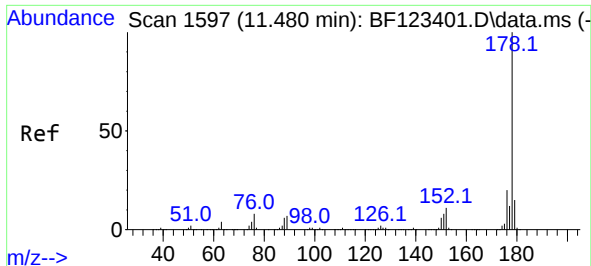


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36



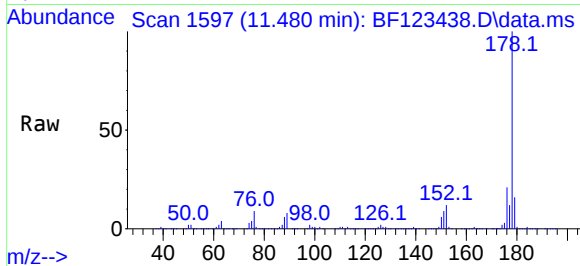
Tgt Ion:188 Resp: 759592
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.2
80 9.0 8.2 12.4





#71
Phenanthrene
Concen: 60.87 ng
RT: 11.480 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36

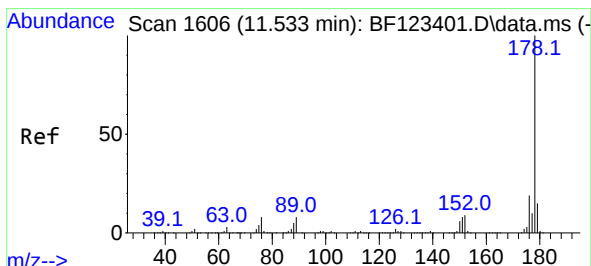
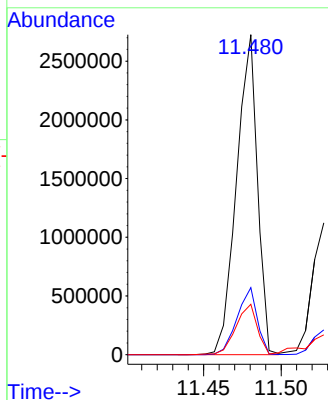
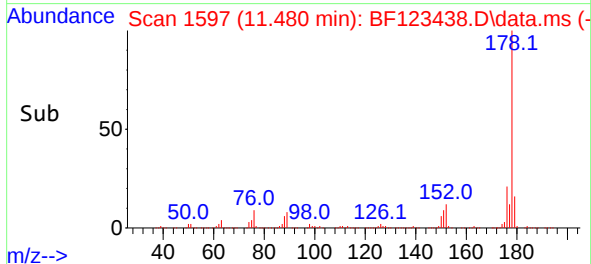
Instrument :
BNA_F
ClientSampleId :
BU-03-031921DL



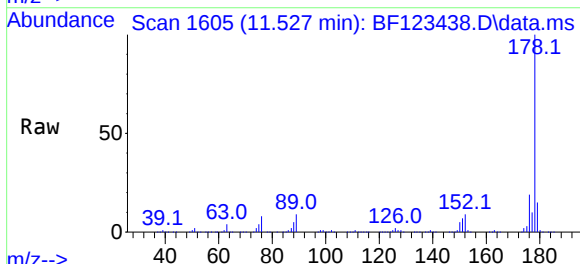
Tgt Ion:178 Resp: 2556092
Ion Ratio Lower Upper
178 100
176 20.9 16.2 24.2
179 15.8 12.7 19.1

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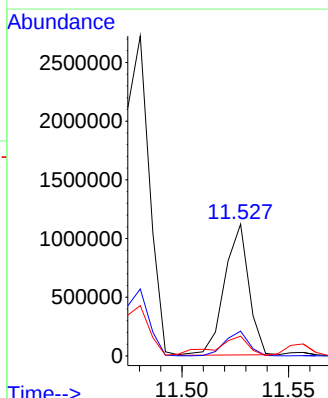
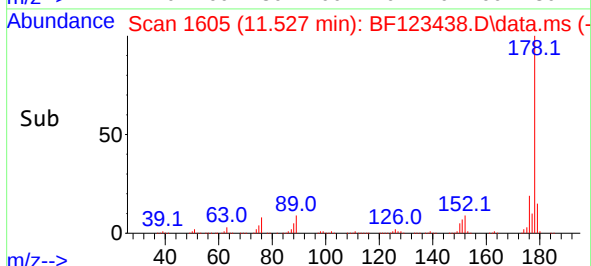
mohammad
3/25/2021 11:50:17 AM

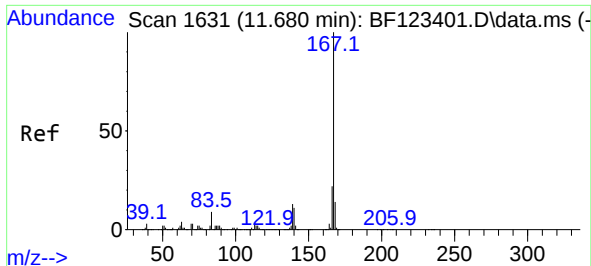


#72
Anthracene
Concen: 20.93 ng
RT: 11.527 min Scan# 1605
Delta R.T. -0.006 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36

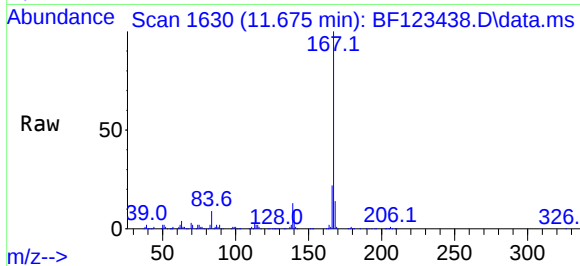


Tgt Ion:178 Resp: 884204
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.1 12.8 19.2

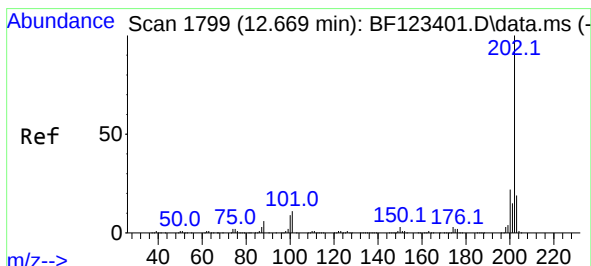
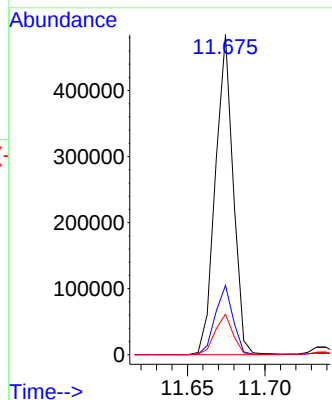
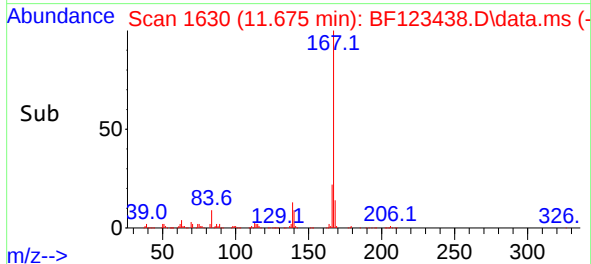




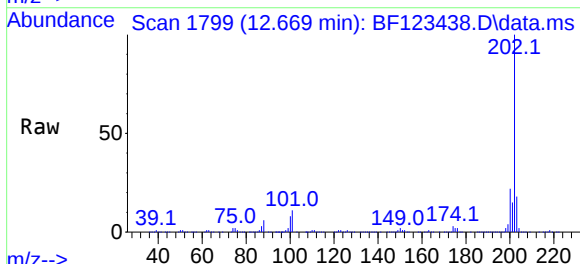
#73
 Carbazole
 Concen: 9.69 ng
 RT: 11.675 min Scan# 1630
 Delta R.T. -0.012 min
 Lab File: BF123438.D
 Acq: 24 Mar 2021 14:36



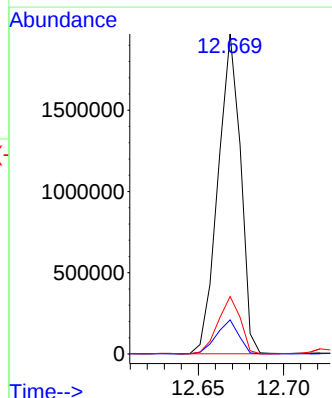
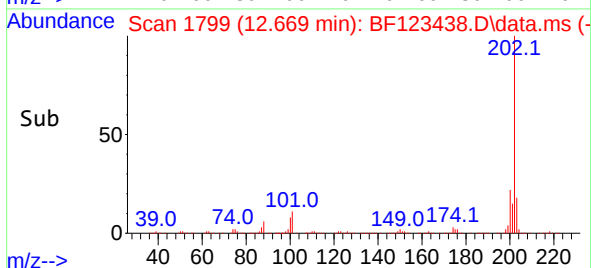
Tgt Ion:167 Resp: 386673
 Ion Ratio Lower Upper
 167 100
 166 21.7 18.0 27.0
 139 12.6 10.9 16.3



#75
 Fluoranthene
 Concen: 39.86 ng
 RT: 12.669 min Scan# 1799
 Delta R.T. -0.006 min
 Lab File: BF123438.D
 Acq: 24 Mar 2021 14:36



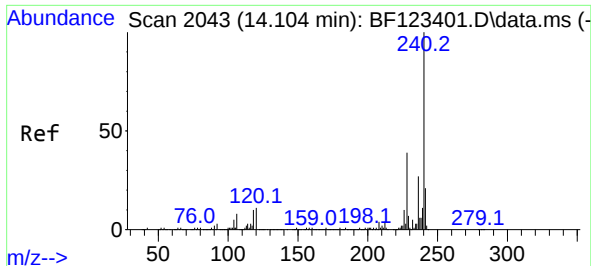
Tgt Ion:202 Resp: 1812326
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 32.2
 203 18.0 0.0 38.1



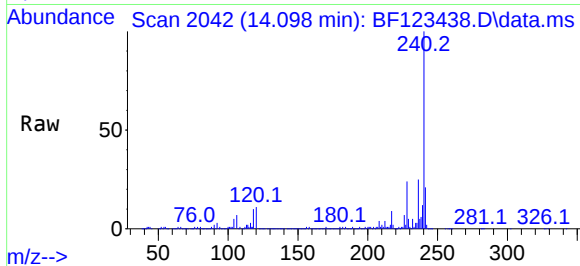
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-031921DL

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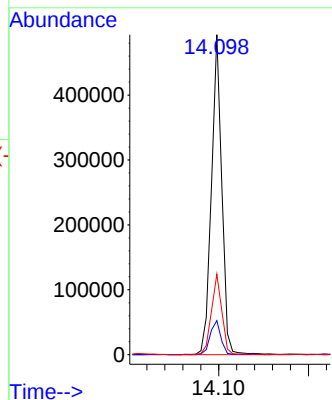
mohammad
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.012 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36



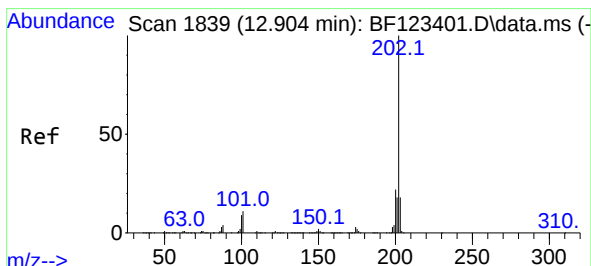
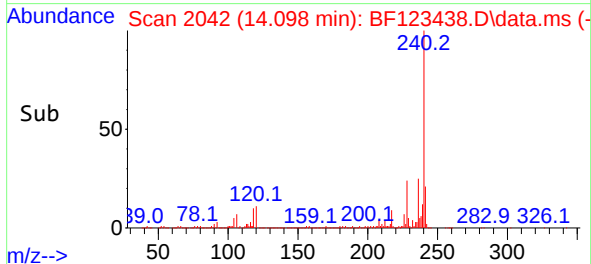
Tgt Ion:240 Resp: 395929
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 25.1 20.3 30.5



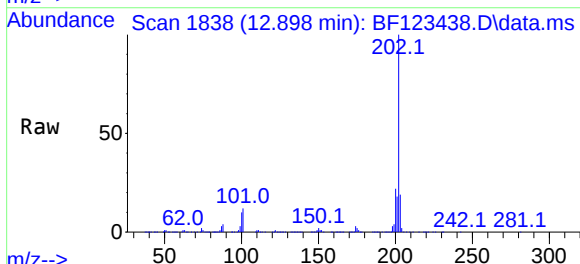
Instrument :
BNA_F
ClientSampleId :
BU-03-031921DL

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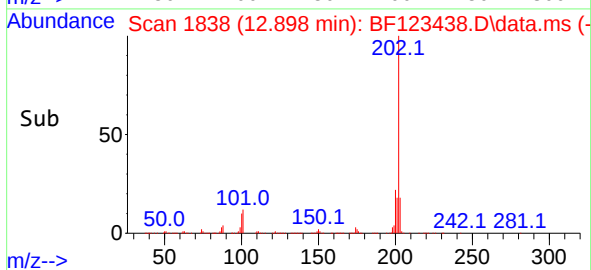
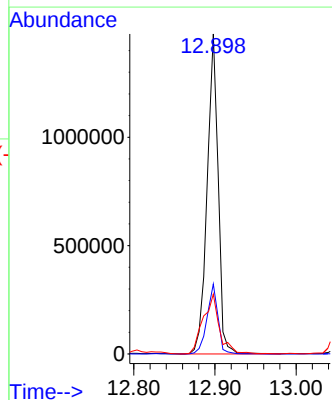
mohammad
3/25/2021 11:50:17 AM

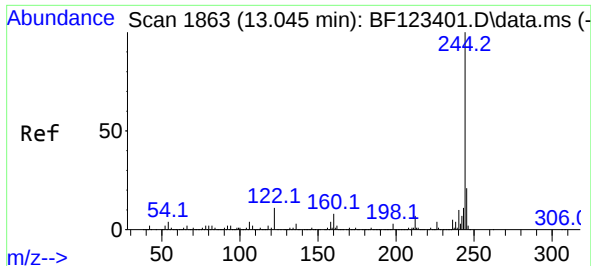


#78
Pyrene
Concen: 40.62 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36



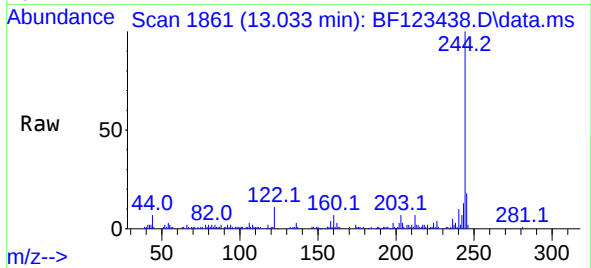
Tgt Ion:202 Resp: 1387371
Ion Ratio Lower Upper
202 100
200 21.8 17.6 26.4
203 18.7 14.6 21.8





#79
Terphenyl-d14
Concen: 2.47 ng
RT: 13.033 min Scan# 1861
Delta R.T. -0.018 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36

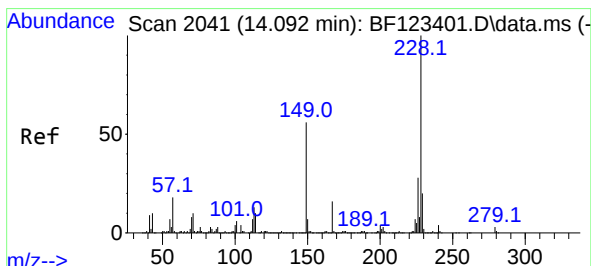
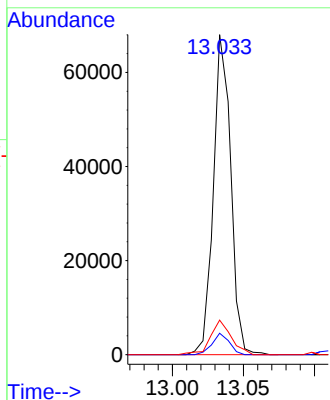
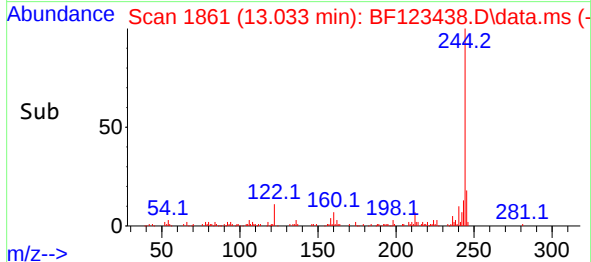
Instrument :
BNA_F
ClientSampleId :
BU-03-031921DL



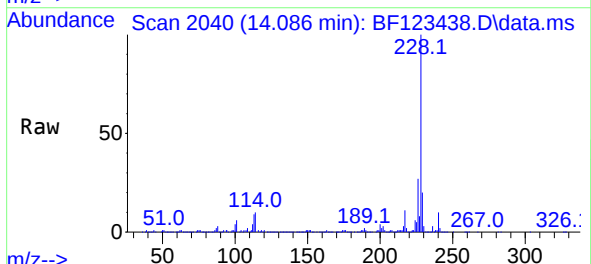
Tgt Ion:244 Resp: 57693
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 10.8 8.3 12.5

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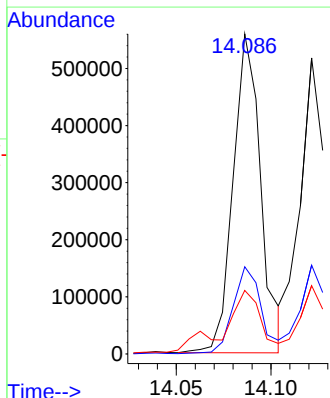
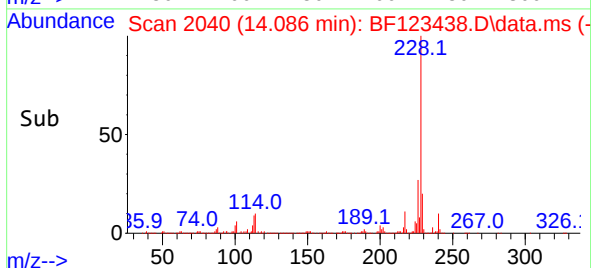
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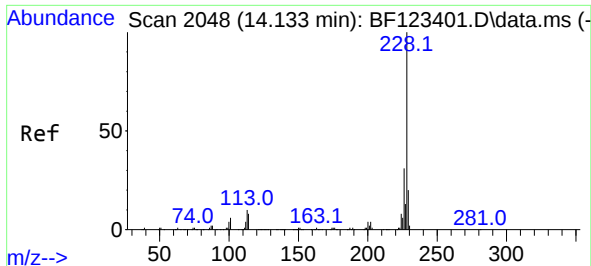


#81
Benzo(a)anthracene
Concen: 21.88 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.012 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36



Tgt Ion:228 Resp: 566939
Ion Ratio Lower Upper
228 100
226 27.2 23.0 34.4
229 19.8 16.6 24.8





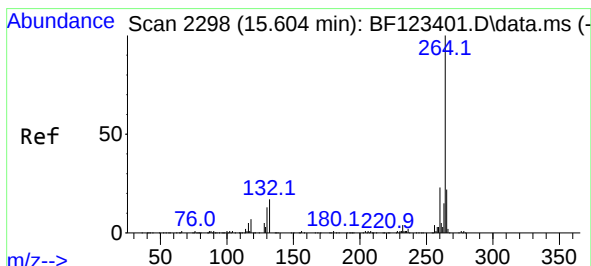
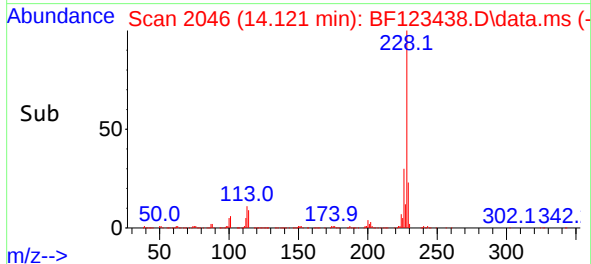
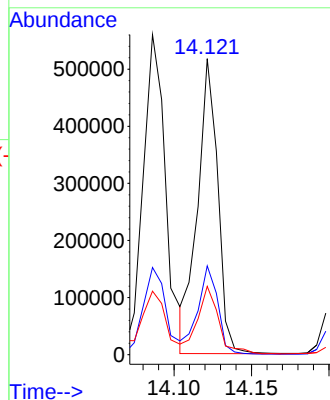
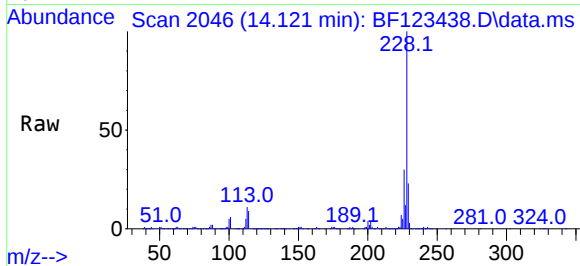
#83
Chrysene
Concen: 17.54 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.012 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36

Tgt Ion:228 Resp: 469173
Ion Ratio Lower Upper
228 100
226 30.0 24.6 36.8
229 23.1 15.8 23.6

Instrument :
BNA_F
ClientSampleId :
BU-03-031921DL

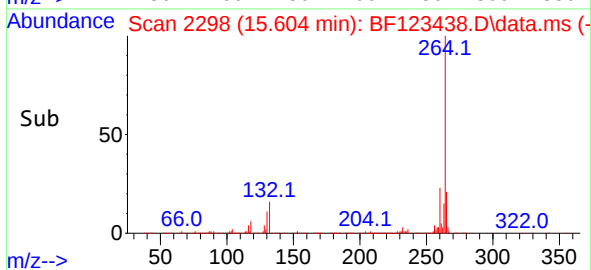
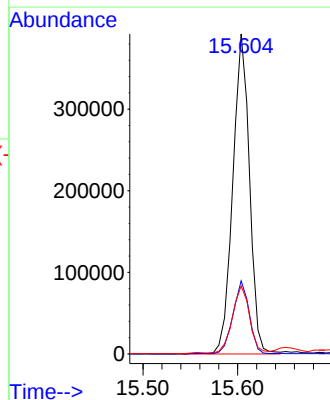
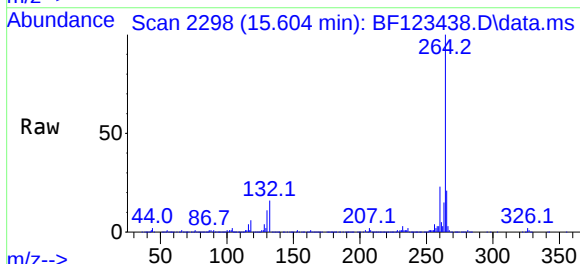
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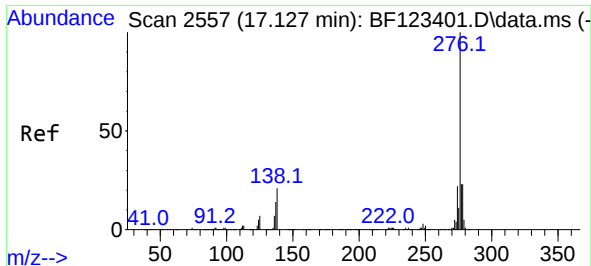
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.604 min Scan# 2298
Delta R.T. -0.006 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36

Tgt Ion:264 Resp: 478801
Ion Ratio Lower Upper
264 100
260 22.9 18.6 28.0
265 21.2 17.0 25.6





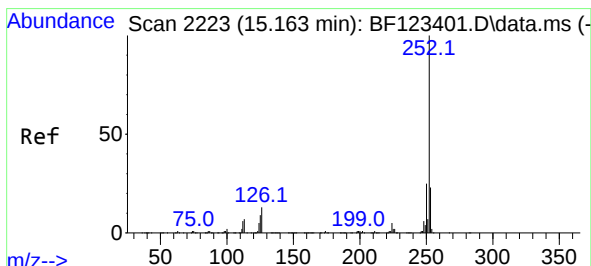
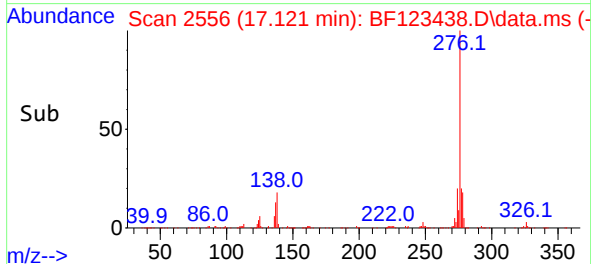
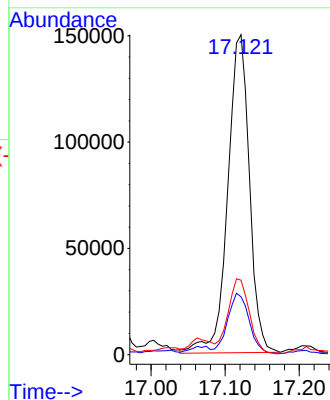
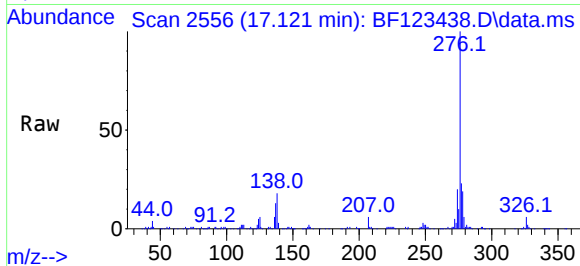
#87
Indeno(1,2,3-cd)pyrene
Concen: 10.22 ng
RT: 17.121 min Scan# 2556
Delta R.T. -0.012 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36

Tgt Ion: 276 Resp: 304020
Ion Ratio Lower Upper
276 100
138 18.8 18.7 28.1
277 23.1 20.2 30.4

Instrument :
BNA_F
ClientSampleId :
BU-03-031921DL

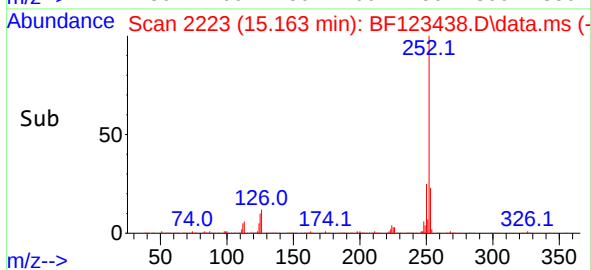
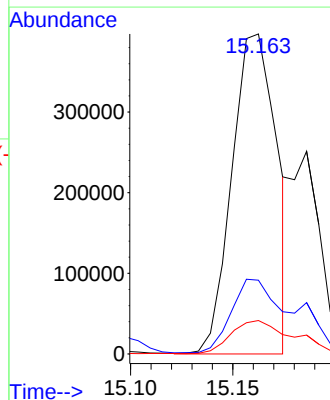
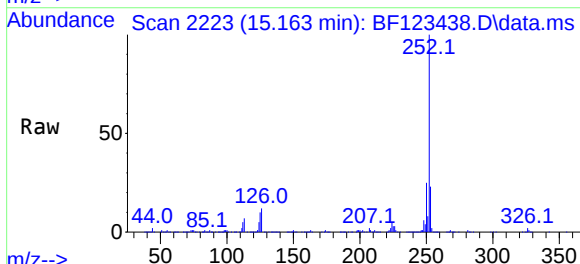
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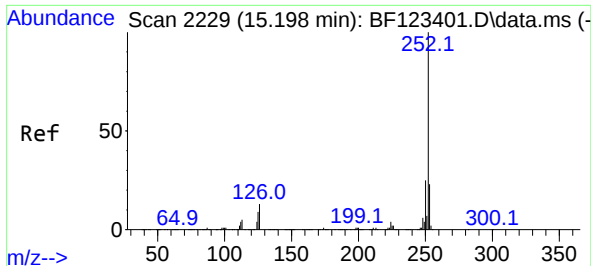
mohammad
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#88
Benzo(b)fluoranthene
Concen: 18.36 ng m
RT: 15.163 min Scan# 2223
Delta R.T. -0.006 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36

Tgt Ion: 252 Resp: 606333
Ion Ratio Lower Upper
252 100
253 23.1 18.3 27.5
125 10.5 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 7.86 ng m

RT: 15.186 min Scan# 2227

Delta R.T. -0.012 min

Lab File: BF123438.D

Acq: 24 Mar 2021 14:36

Tgt Ion:	252	Resp:	245336
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.8	26.8
125	9.4	8.4	12.6

Instrument :

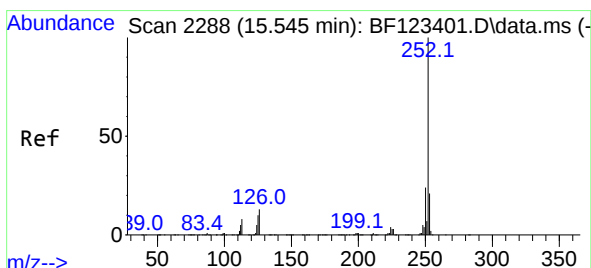
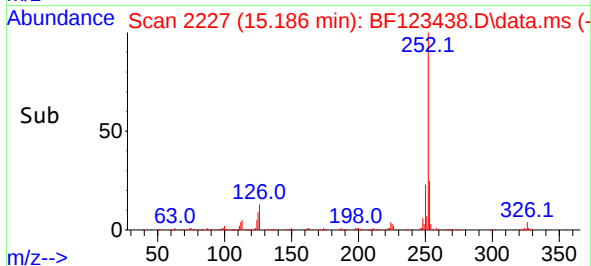
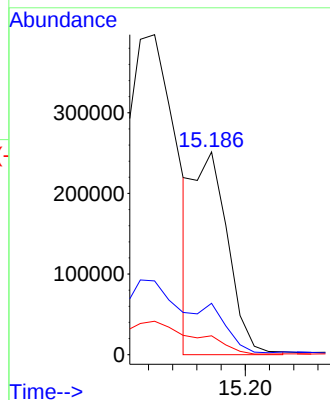
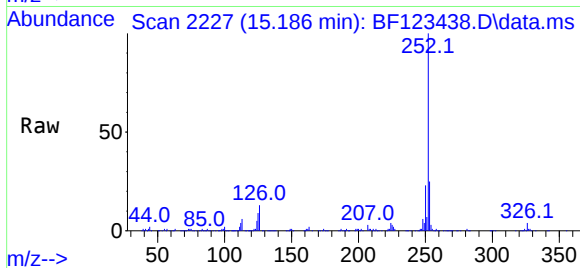
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ClientSampleId :

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#90

Benzo(a)pyrene

Concen: 17.71 ng

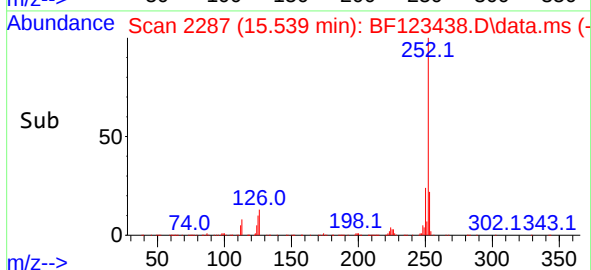
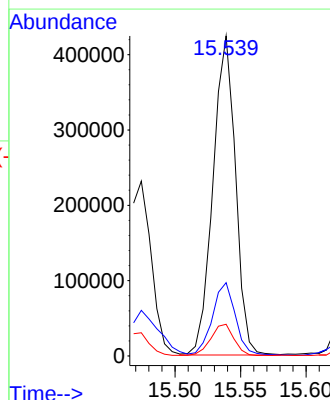
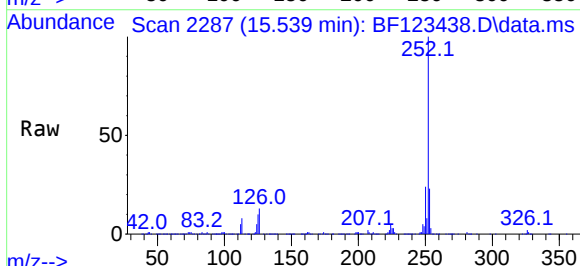
RT: 15.539 min Scan# 2287

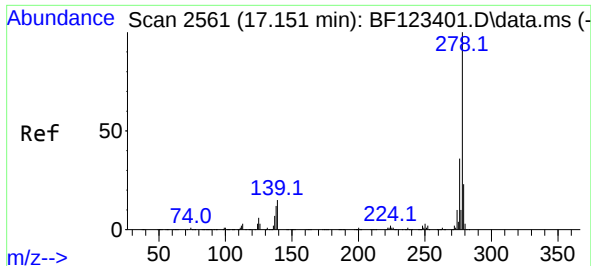
Delta R.T. -0.006 min

Lab File: BF123438.D

Acq: 24 Mar 2021 14:36

Tgt Ion:	252	Resp:	504889
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	9.9	8.6	12.8





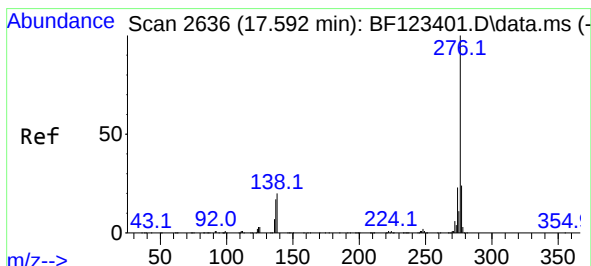
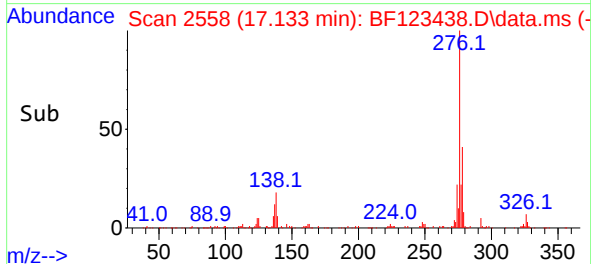
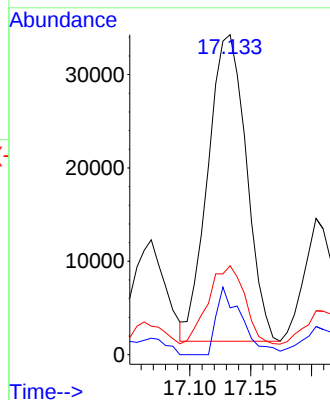
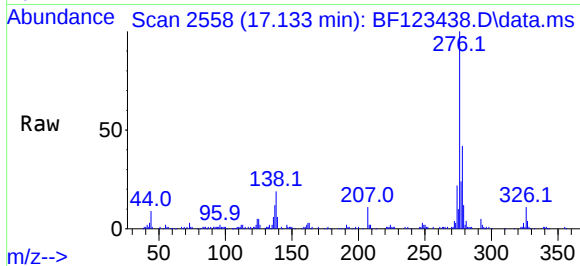
#91
Dibenzo(a,h)anthracene
Concen: 2.85 ng
RT: 17.133 min Scan# 2558
Delta R.T. -0.024 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36

Tgt Ion: 278 Resp: 72033
Ion Ratio Lower Upper
278 100
139 14.7 12.0 18.0
279 27.8 19.4 29.2

Instrument :
BNA_F
ClientSampleId :
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#92
Benzo(g,h,i)perylene
Concen: 10.27 ng
RT: 17.580 min Scan# 2634
Delta R.T. -0.018 min
Lab File: BF123438.D
Acq: 24 Mar 2021 14:36

Tgt Ion: 276 Resp: 259617
Ion Ratio Lower Upper
276 100
277 22.8 19.3 28.9
138 19.5 16.6 24.8

