

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
 Data File : BF125218.D
 Acq On : 25 Aug 2021 19:48
 Operator : JU/CG
 Sample : M3467-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-8-(309.00)

Manual Integrations
 APPROVED

mohammad

Quant Time: Aug 26 01:36:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 24 12:39:21 2021
 Response via : Initial Calibration

8/26/2021 11:40:03 AM

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	220104	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	799411	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	379558	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	603298	20.000	ng	0.00
76) Chrysene-d12	14.080	240	462760	20.000	ng	0.00
86) Perylene-d12	15.586	264	538321	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1040598	71.559	ng	0.00
7) Phenol-d6	6.533	99	1347448	71.646	ng	0.00
23) Nitrobenzene-d5	7.475	82	937363	59.032	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	279896	73.874	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	1346095	49.428	ng	0.00
79) Terphenyl-d14	13.021	244	963802	33.180	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.216	128	116182	2.838	ng	99
37) 2-Methylnaphthalene	8.904	142	77899	2.879	ng	98
49) Acenaphthylene	9.810	152	196041	5.410	ng	99
55) Dibenzofuran	10.151	168	143576	4.441	ng	94
58) Fluorene	10.498	166	48810	2.042	ng	97
71) Phenanthrene	11.463	178	292999	8.814	ng	99
72) Anthracene	11.510	178	282034	8.608	ng	99
73) Carbazole	11.663	167	149122	4.980	ng	98
75) Fluoranthene	12.651	202	1181384	35.817	ng	96
78) Pyrene	12.880	202	1107487	27.899	ng	97
81) Benzo(a)anthracene	14.068	228	688357m	20.645	ng	
83) Chrysene	14.109	228	1015373	30.793	ng	96
87) Indeno(1,2,3-cd)pyrene	17.098	276	605916m	15.624	ng	
88) Benzo(b)fluoranthene	15.151	252	2160712m	54.940	ng	
89) Benzo(k)fluoranthene	15.174	252	675417m	18.404	ng	
90) Benzo(a)pyrene	15.521	252	768409	22.119	ng	97
91) Dibenzo(a,h)anthracene	17.103	278	168664	5.031	ng	96
92) Benzo(g,h,i)perylene	17.556	276	470276m	14.549	ng	

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

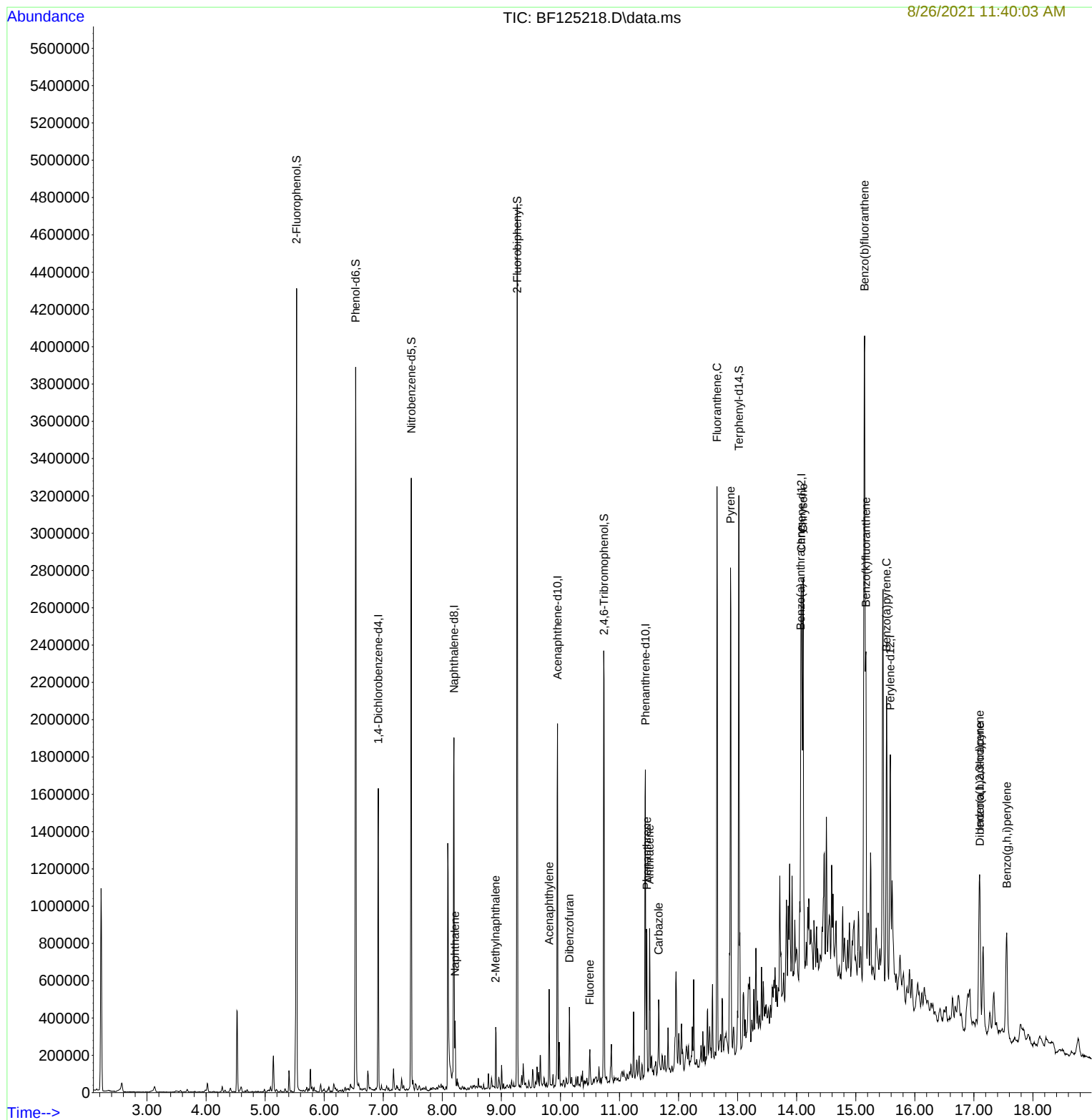
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

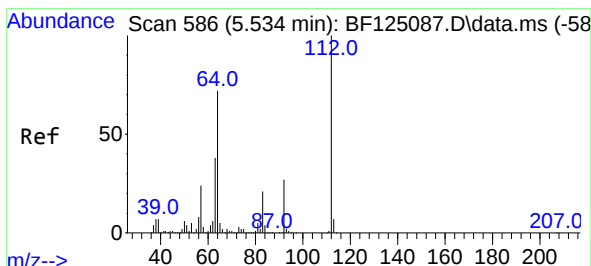
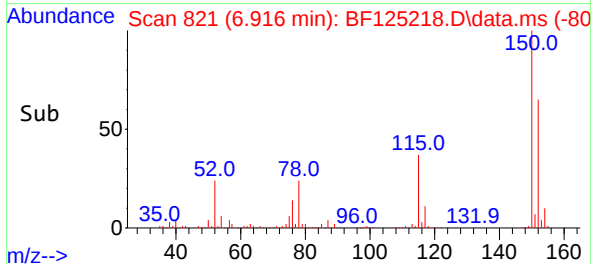
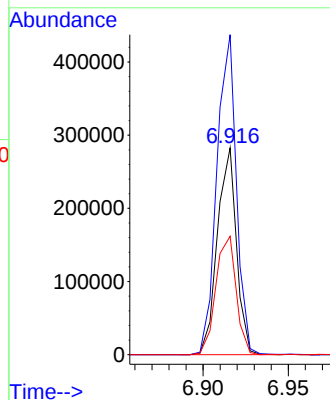
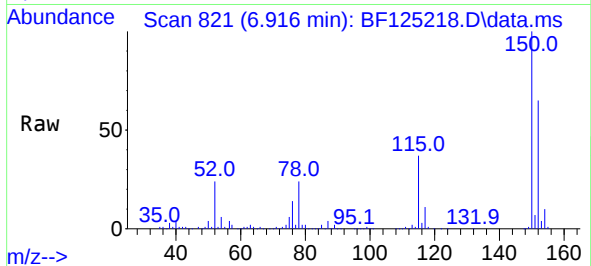
Tgt Ion:152 Resp: 220104
Ion Ratio Lower Upper
152 100
150 154.7 117.6 176.4
115 57.2 47.1 70.7

Instrument :
BNA_F
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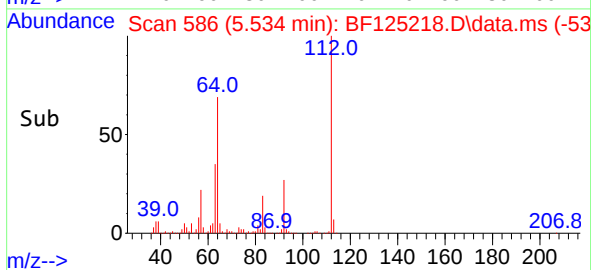
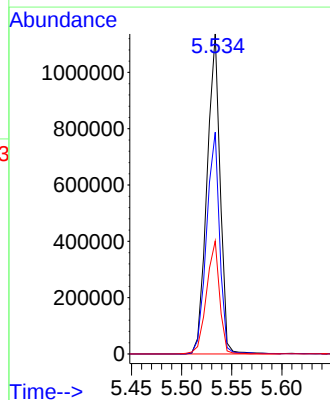
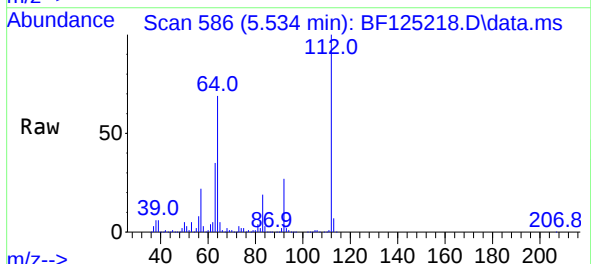
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#5
2-Fluorophenol
Concen: 71.559 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

Tgt Ion:112 Resp: 1040598
Ion Ratio Lower Upper
112 100
64 69.3 44.2 66.2#
63 35.3 26.2 39.2





#7
Phenol-d6
Concen: 71.646 ng
RT: 6.533 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

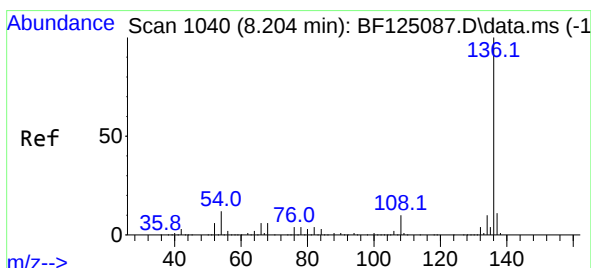
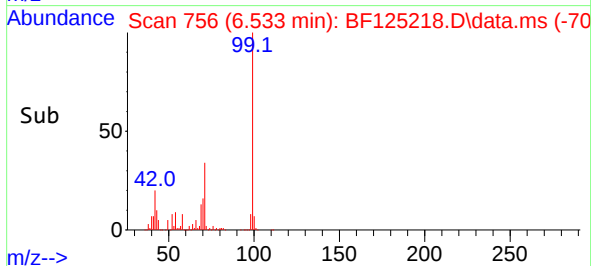
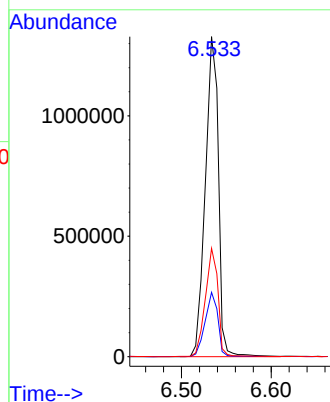
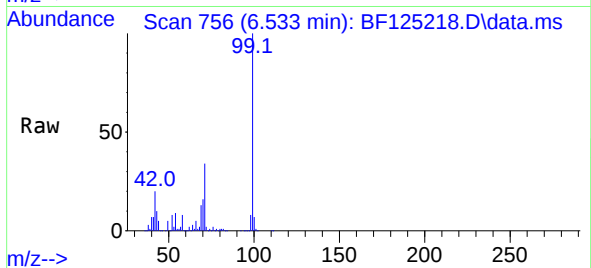
Tgt Ion: 99 Resp: 1347448
Ion Ratio Lower Upper
99 100
42 20.1 23.5 35.3#
71 33.8 25.6 38.4

Instrument :
BNA_F
ClientSampleId :
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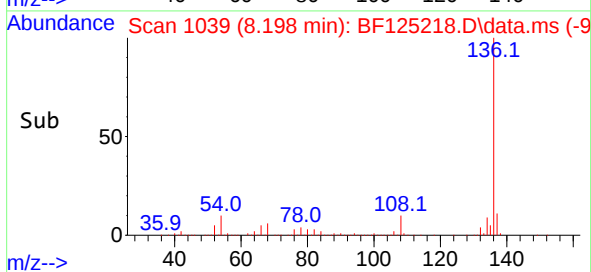
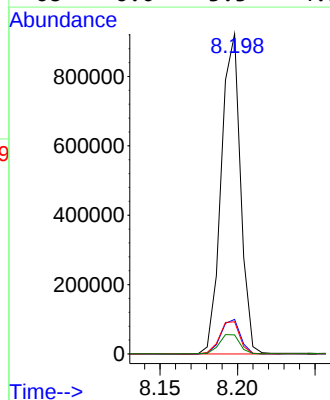
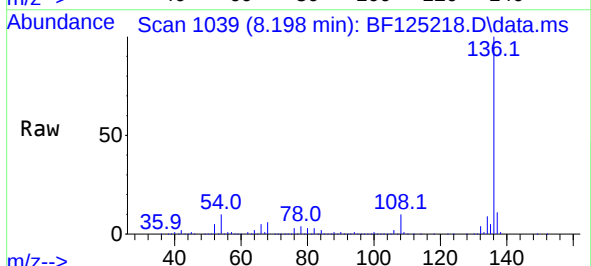
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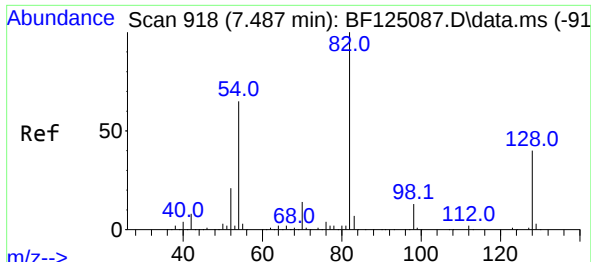
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

Tgt Ion: 136 Resp: 799411
Ion Ratio Lower Upper
136 100
137 10.8 9.8 14.6
54 10.0 6.4 9.6#
68 6.0 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 59.032 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

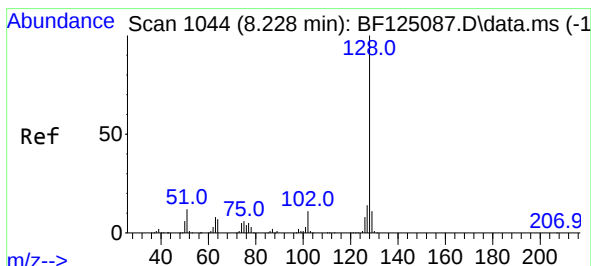
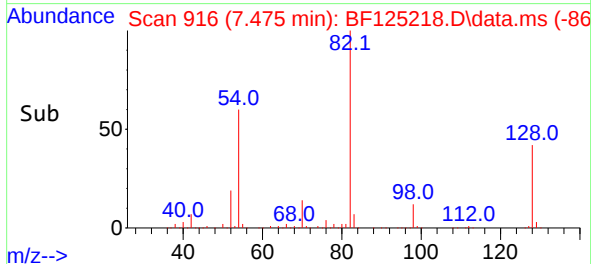
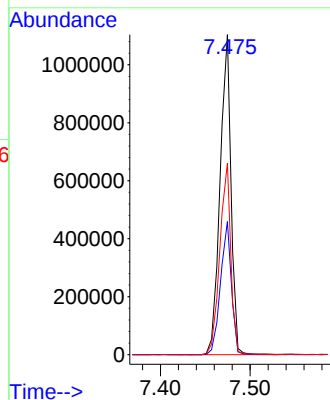
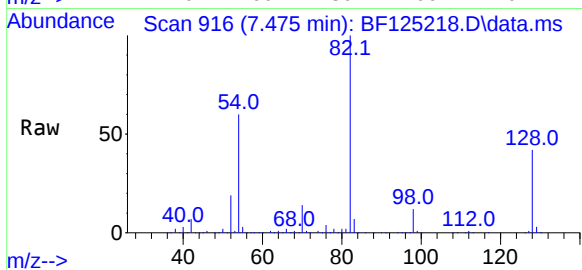
Tgt Ion: 82 Resp: 937363
Ion Ratio Lower Upper
82 100
128 41.6 40.6 60.8
54 59.9 49.6 74.4

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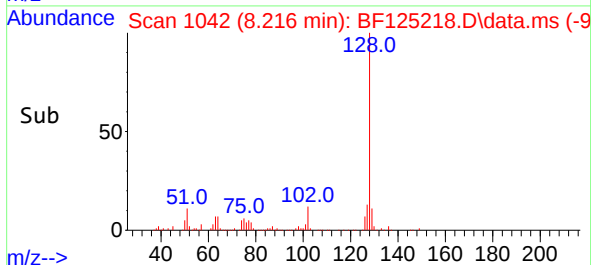
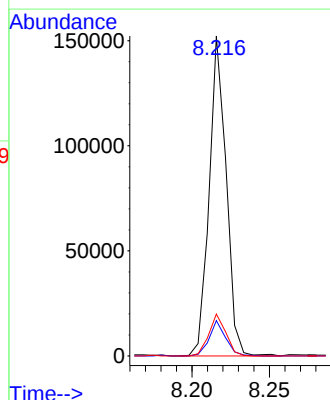
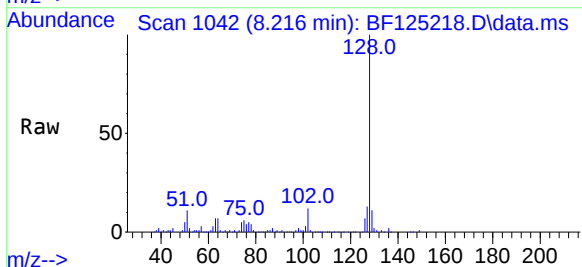
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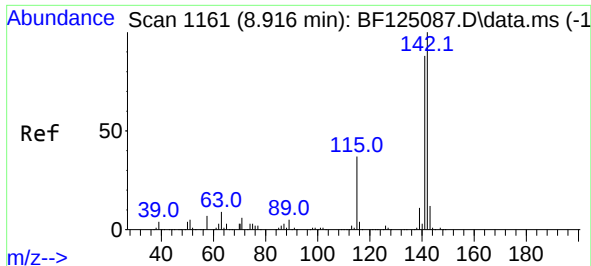
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#31
Naphthalene
Concen: 2.838 ng
RT: 8.216 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

Tgt Ion: 128 Resp: 116182
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.0
127 13.1 10.9 16.3





#37
2-Methylnaphthalene
Concen: 2.879 ng
RT: 8.904 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

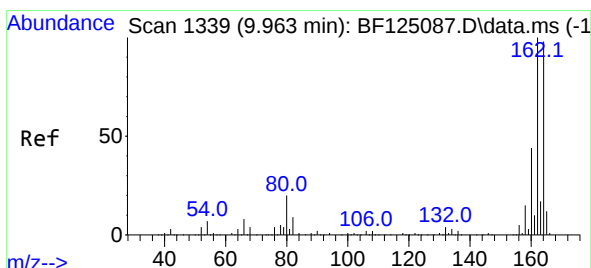
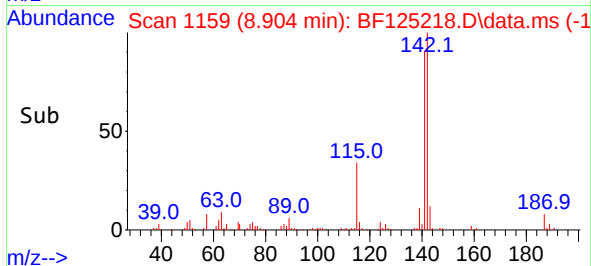
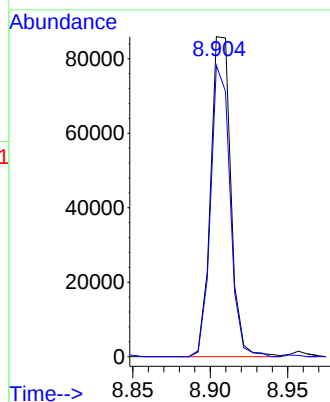
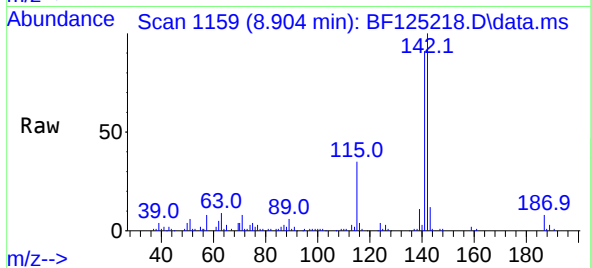
Tgt Ion:142 Resp: 77899
Ion Ratio Lower Upper
142 100
141 91.0 71.2 106.8

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BNA_F
ClientSampleId :
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Manual Integrations
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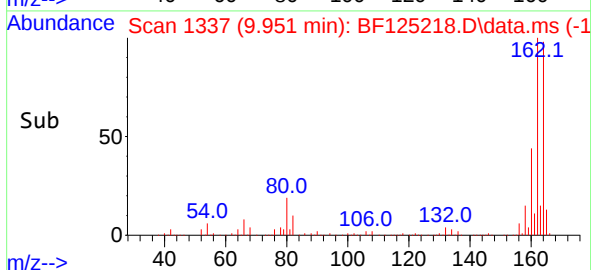
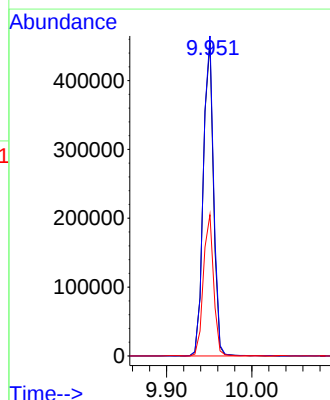
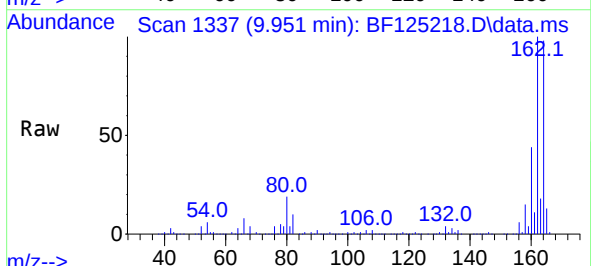
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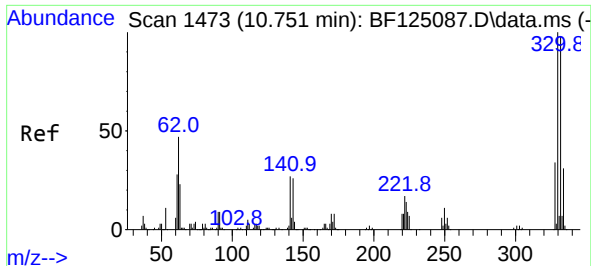
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

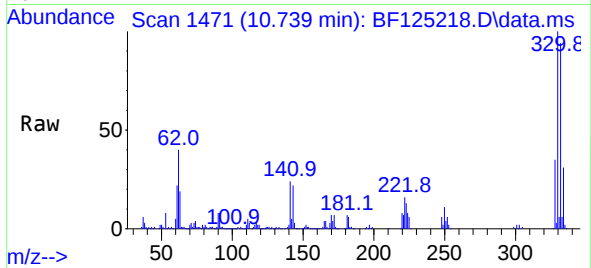
Tgt Ion:164 Resp: 379558
Ion Ratio Lower Upper
164 100
162 102.1 81.3 121.9
160 45.1 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 73.874 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

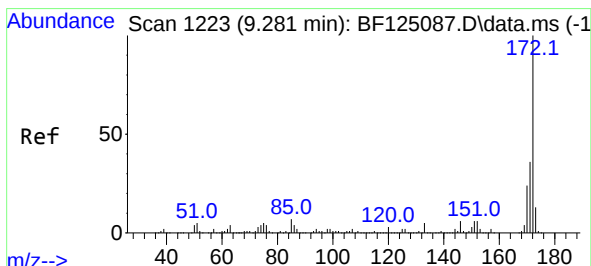
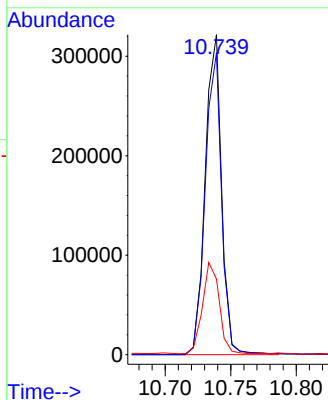
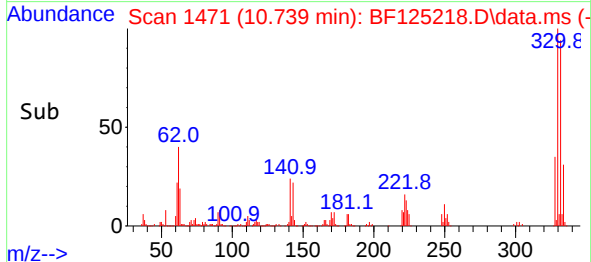


Tgt Ion:330 Resp: 279896
Ion Ratio Lower Upper
330 100
332 94.6 76.2 114.4
141 29.2 44.6 66.8#

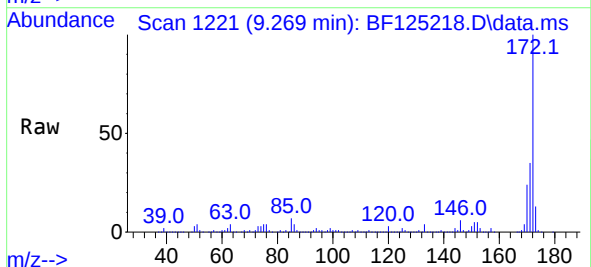
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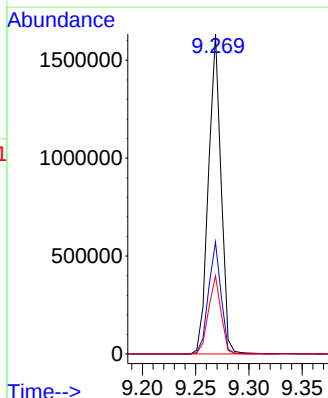
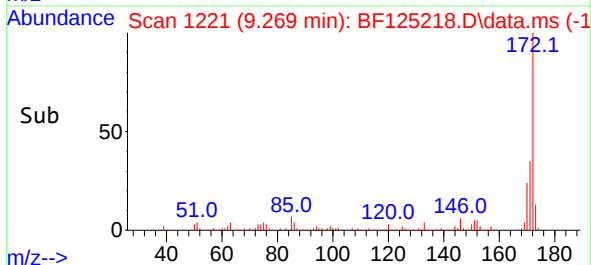
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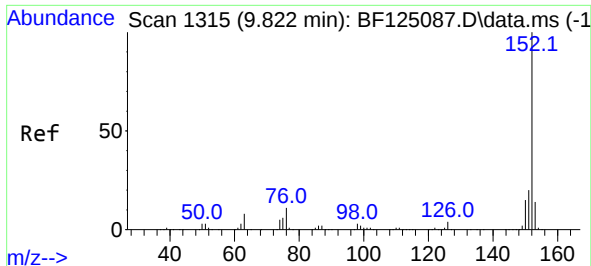


#45
2-Fluorobiphenyl
Concen: 49.428 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48



Tgt Ion:172 Resp: 1346095
Ion Ratio Lower Upper
172 100
171 35.0 26.5 39.7
170 24.5 18.8 28.2





#49
Acenaphthylene
Concen: 5.410 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

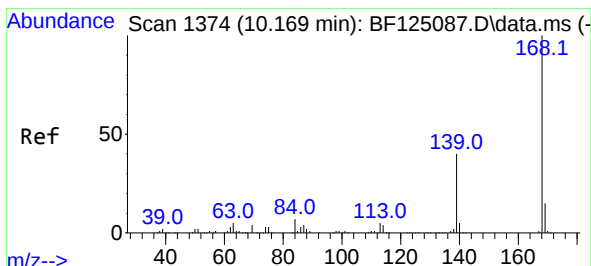
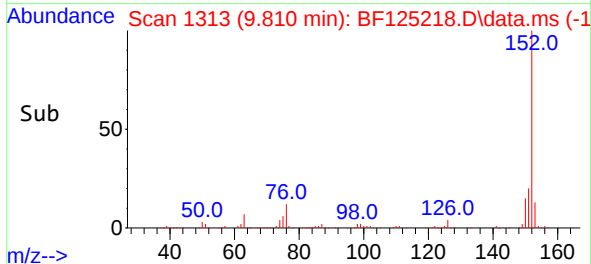
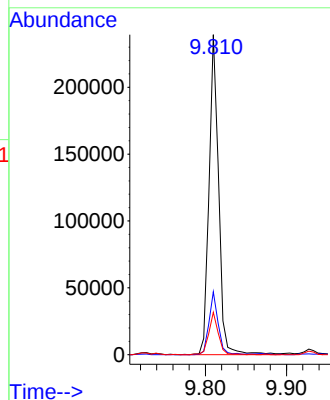
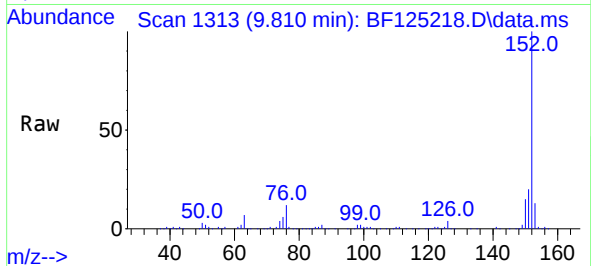
Tgt Ion:152 Resp: 196041
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.3 9.8 14.8

Instrument :
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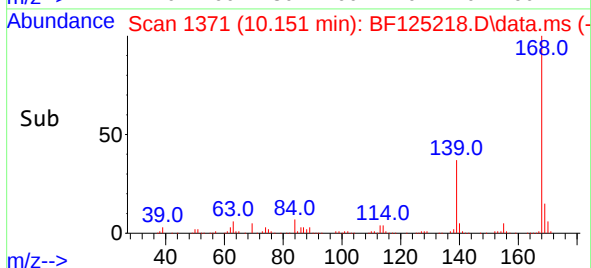
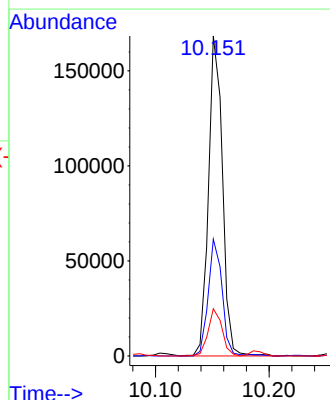
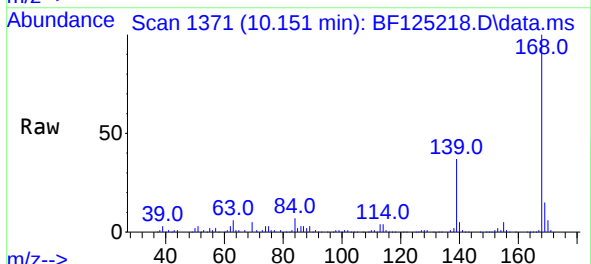
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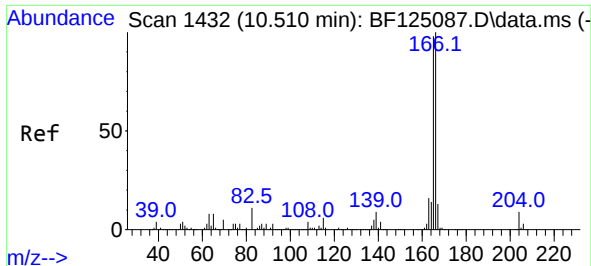
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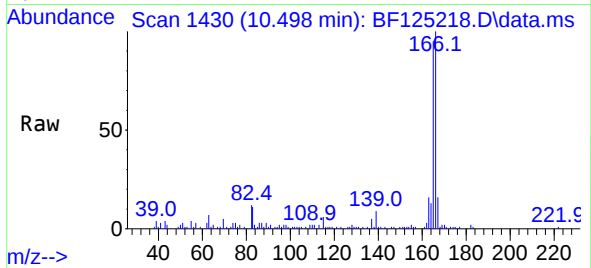
#55
Dibenzofuran
Concen: 4.441 ng
RT: 10.151 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

Tgt Ion:168 Resp: 143576
Ion Ratio Lower Upper
168 100
139 36.5 32.7 49.1
169 14.8 11.2 16.8

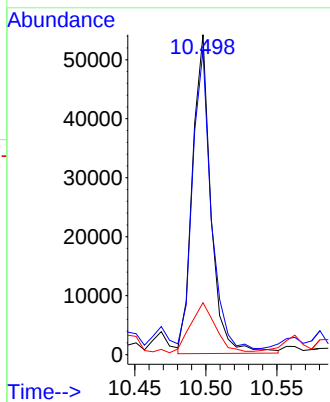
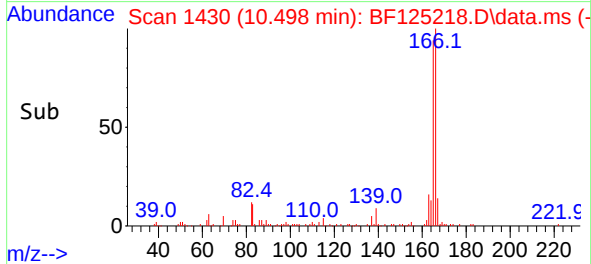




#58
Fluorene
Concen: 2.042 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48



Tgt Ion:166 Resp: 48810
Ion Ratio Lower Upper
166 100
165 95.0 78.1 117.1
167 16.3 11.1 16.7

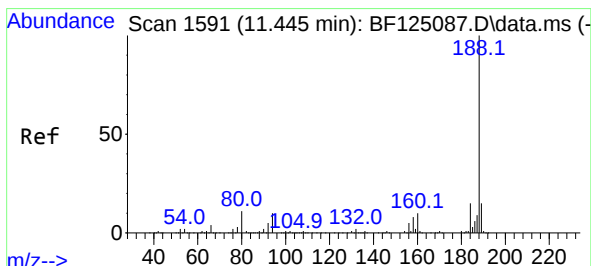


Instrument :
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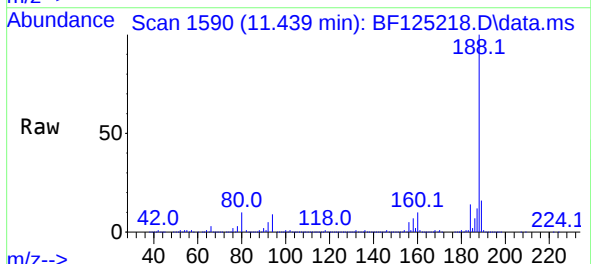
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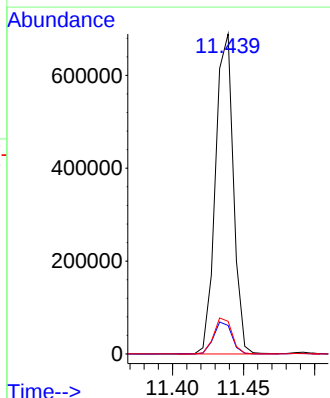
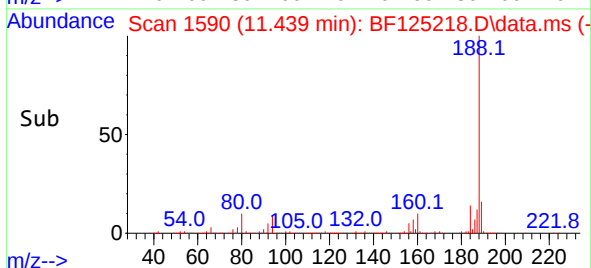
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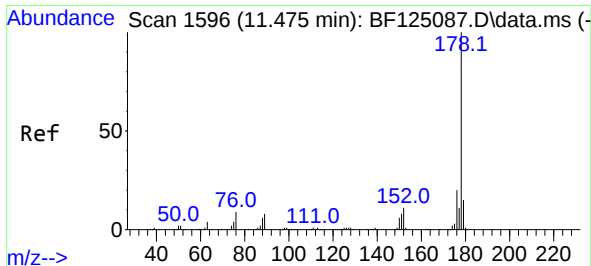


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48



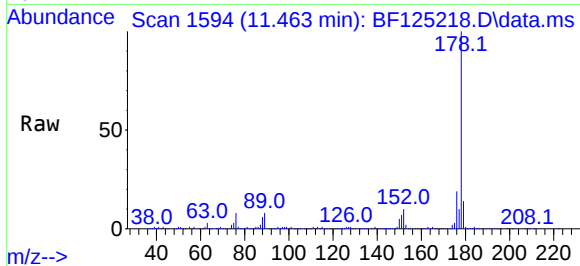
Tgt Ion:188 Resp: 603298
Ion Ratio Lower Upper
188 100
94 8.9 6.7 10.1
80 10.2 7.5 11.3





#71
Phenanthrene
Concen: 8.814 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

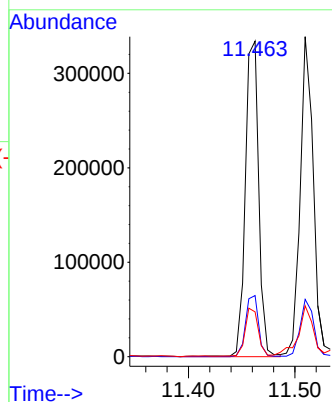
Instrument :
BNA_F
ClientSampleId :
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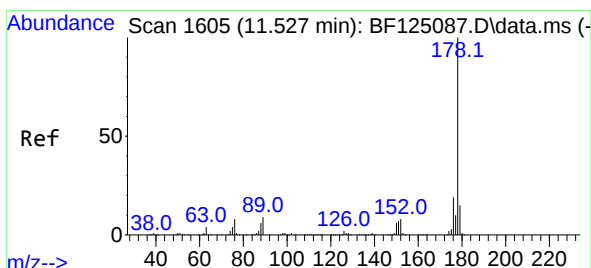
Tgt Ion:178 Resp: 292999
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 14.2 11.5 17.3

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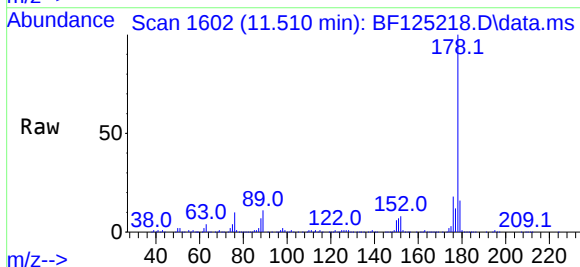
mohammad



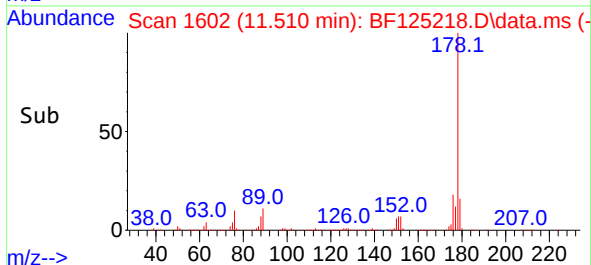
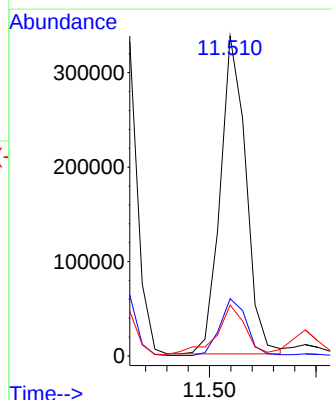
8/26/2021 11:40:03 AM

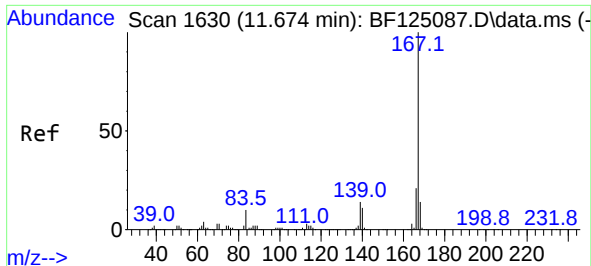


#72
Anthracene
Concen: 8.608 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.006 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48



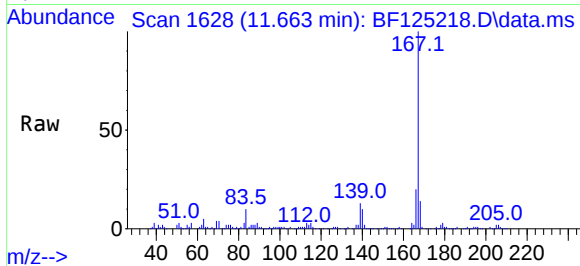
Tgt Ion:178 Resp: 282034
Ion Ratio Lower Upper
178 100
176 17.9 14.3 21.5
179 15.9 12.2 18.4





#73
 Carbazole
 Concen: 4.980 ng
 RT: 11.663 min Scan# 1628
 Delta R.T. -0.006 min
 Lab File: BF125218.D
 Acq: 25 Aug 2021 19:48

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-8-(309.00)

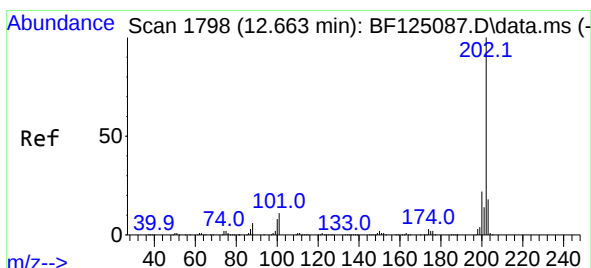
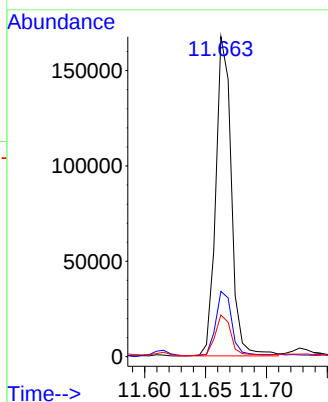
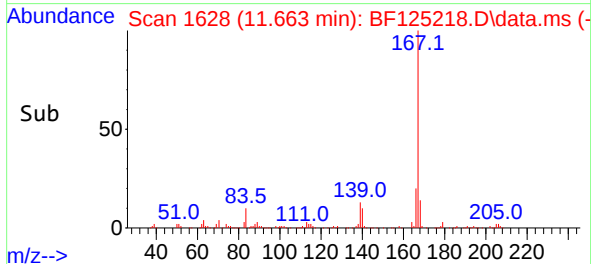


Tgt Ion:167 Resp: 149122
 Ion Ratio Lower Upper
 167 100
 166 20.4 17.4 26.0
 139 13.0 11.0 16.4

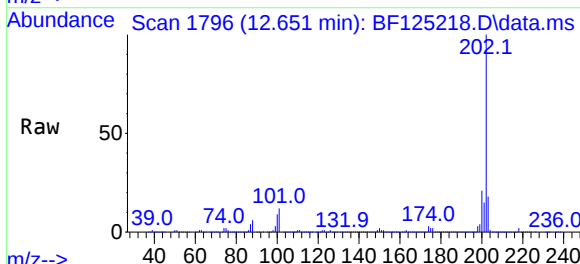
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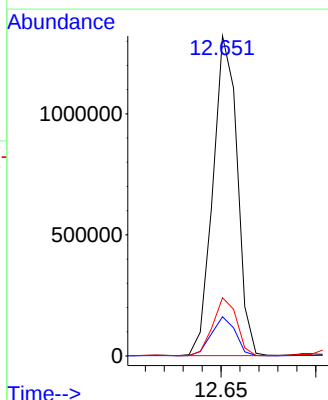
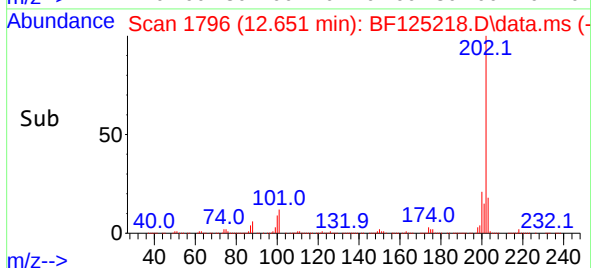
8/26/2021 11:40:03 AM

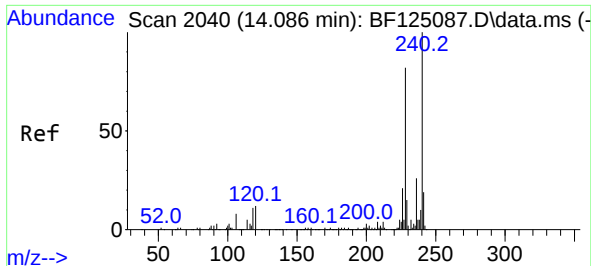


#75
 Fluoranthene
 Concen: 35.817 ng
 RT: 12.651 min Scan# 1796
 Delta R.T. -0.000 min
 Lab File: BF125218.D
 Acq: 25 Aug 2021 19:48



Tgt Ion:202 Resp: 1181384
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 30.7
 203 18.2 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

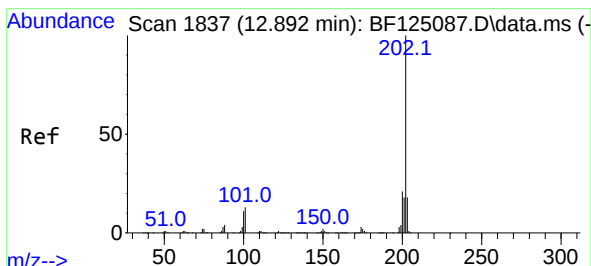
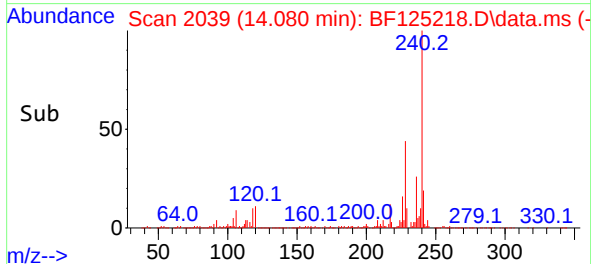
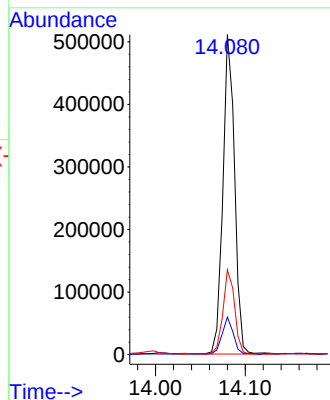
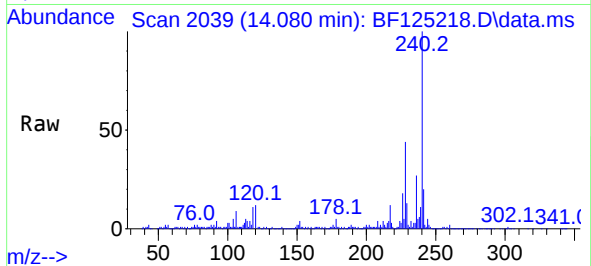
Tgt Ion:240 Resp: 462760
Ion Ratio Lower Upper
240 100
120 11.7 10.8 16.2
236 26.5 21.6 32.4

Instrument :
BNA_F
ClientSampleId :
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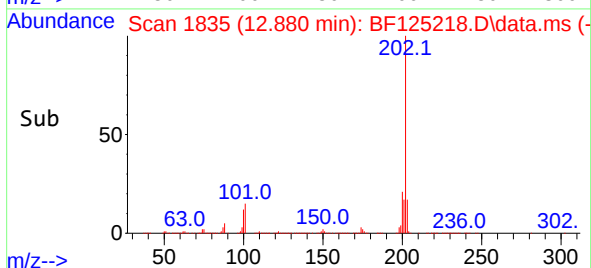
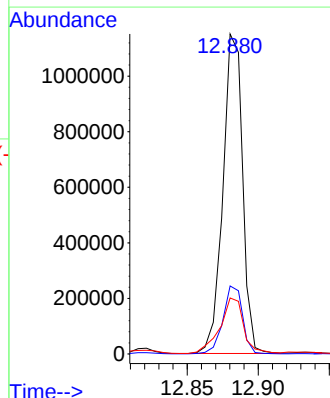
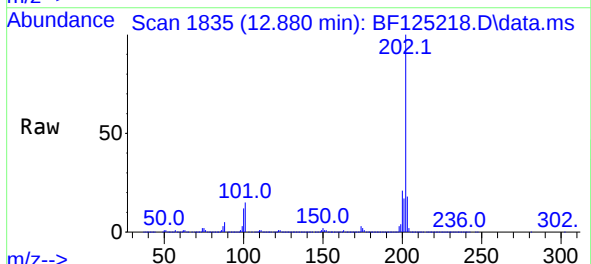
mohammad

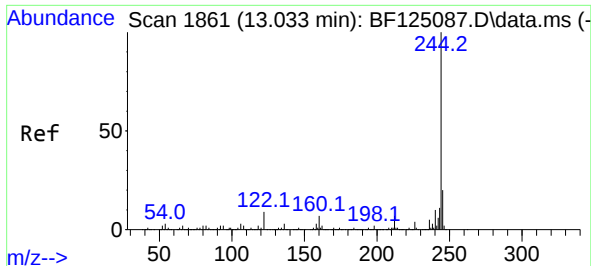
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#78
Pyrene
Concen: 27.899 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

Tgt Ion:202 Resp: 1107487
Ion Ratio Lower Upper
202 100
200 21.2 15.3 22.9
203 17.5 13.4 20.0





#79
Terphenyl-d14
Concen: 33.180 ng
RT: 13.021 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

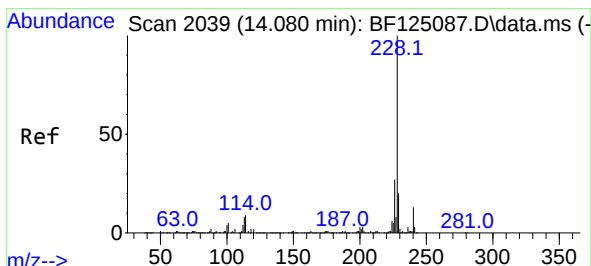
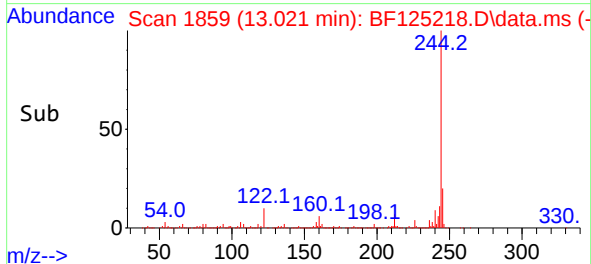
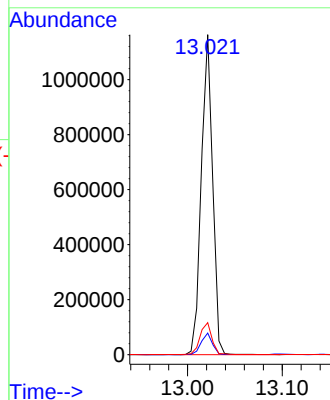
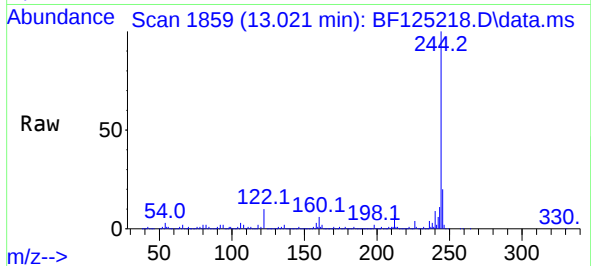
Tgt Ion:244 Resp: 963802
Ion Ratio Lower Upper
244 100
212 6.7 5.9 8.9
122 10.0 9.0 13.4

Instrument :
BNA_F
ClientSampleId :
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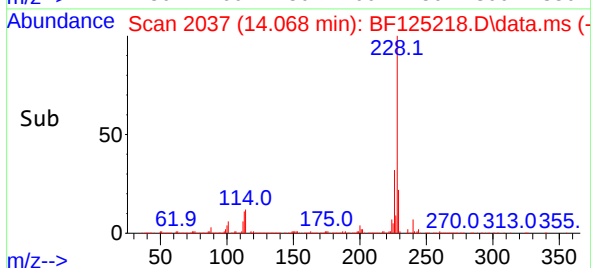
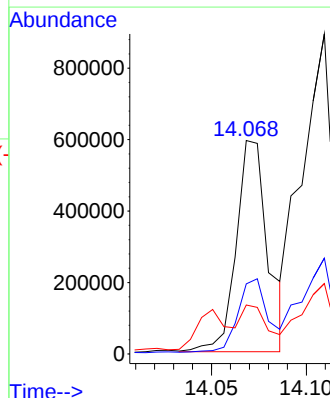
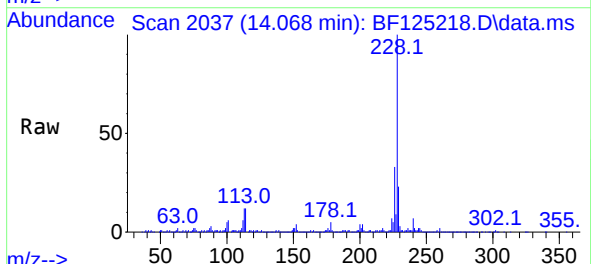
mohammad

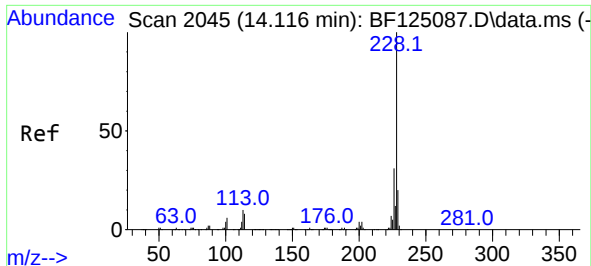
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#81
Benzo(a)anthracene
Concen: 20.645 ng m
RT: 14.068 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

Tgt Ion:228 Resp: 688357
Ion Ratio Lower Upper
228 100
226 32.8 21.6 32.4#
229 22.9 15.6 23.4





#83
Chrysene
Concen: 30.793 ng
RT: 14.109 min Scan# 2044
Delta R.T. -0.000 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

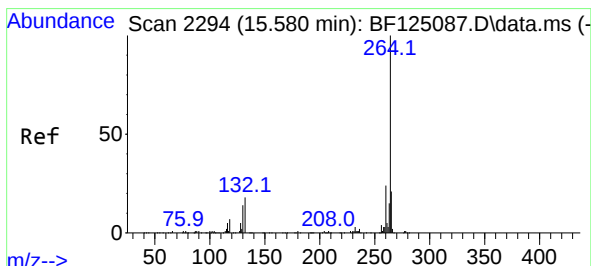
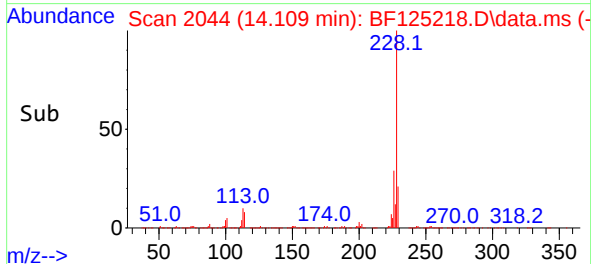
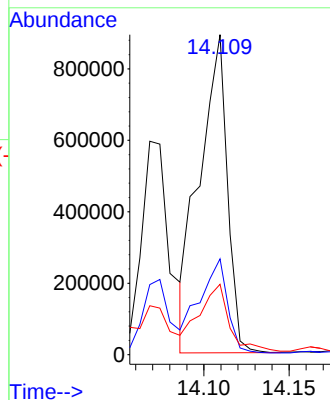
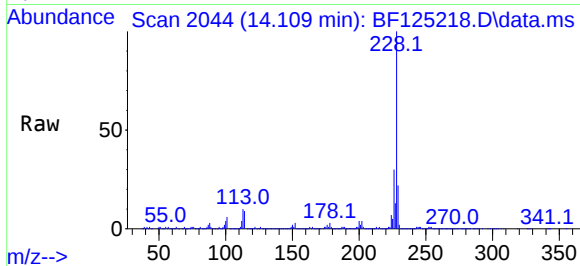
Tgt Ion:228 Resp: 1015373
Ion Ratio Lower Upper
228 100
226 29.9 22.6 34.0
229 22.0 15.9 23.9

Instrument :
BNA_F
ClientSampleId :
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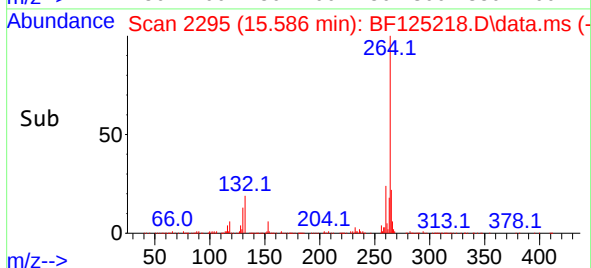
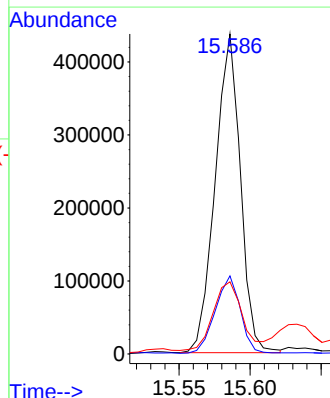
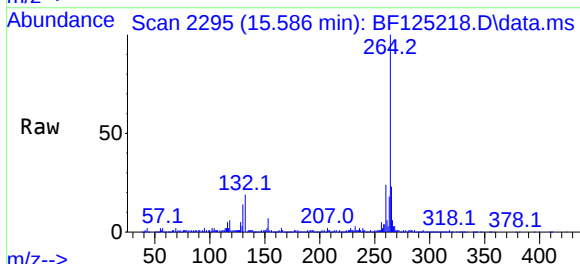
mohammad

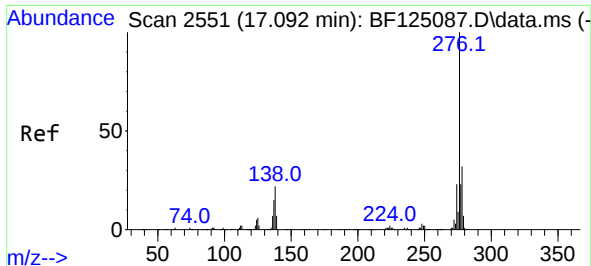
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2295
Delta R.T. 0.012 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

Tgt Ion:264 Resp: 538321
Ion Ratio Lower Upper
264 100
260 24.4 19.6 29.4
265 22.6 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 15.624 ng m
RT: 17.098 min Scan# 2552
Delta R.T. 0.006 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

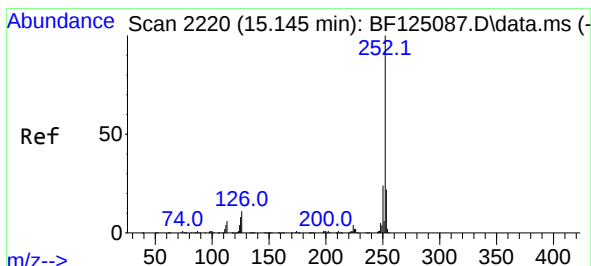
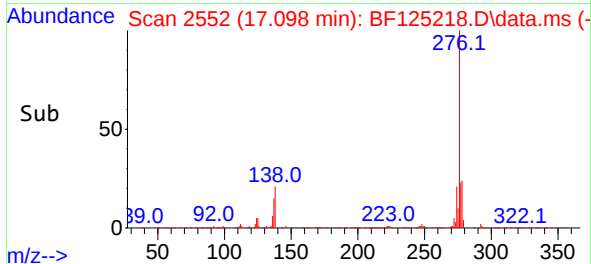
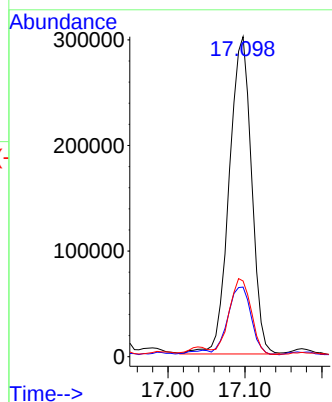
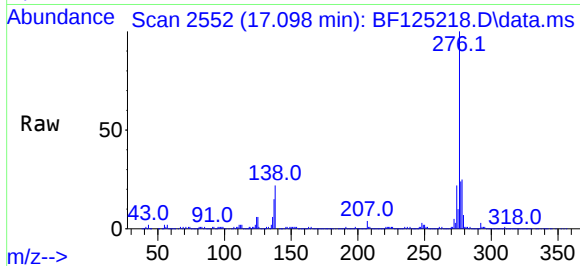
Tgt Ion:276 Resp: 605916
Ion Ratio Lower Upper
276 100
138 5.6 24.1 36.1#
277 5.8 18.8 28.2#

Instrument :
BNA_F
ClientSampleId :
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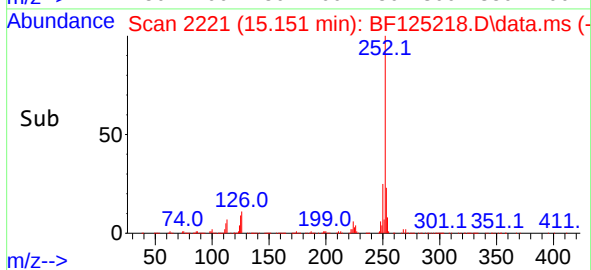
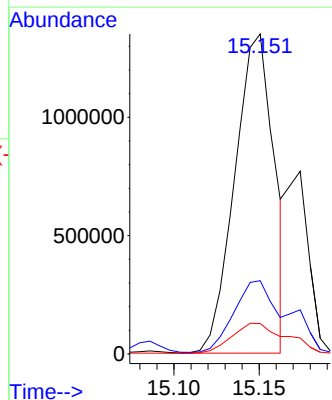
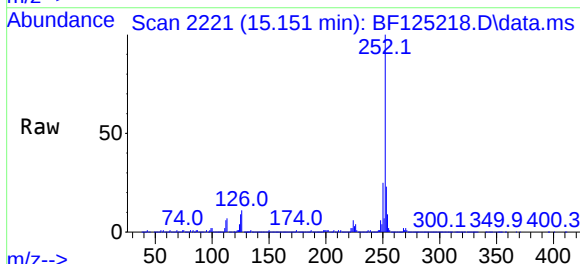
mohammad

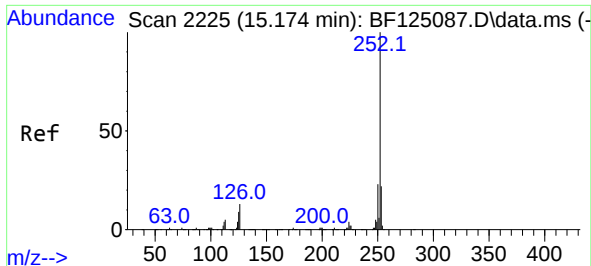
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#88
Benzo(b)fluoranthene
Concen: 54.940 ng m
RT: 15.151 min Scan# 2221
Delta R.T. 0.018 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

Tgt Ion:252 Resp: 2160712
Ion Ratio Lower Upper
252 100
253 22.9 16.8 25.2
125 9.5 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 18.404 ng m

RT: 15.174 min Scan# 2225

Delta R.T. 0.006 min

Lab File: BF125218.D

Acq: 25 Aug 2021 19:48

Tgt Ion:	252	Resp:	675417
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.8
125	8.7	7.2	10.8

Instrument :

BNA_F

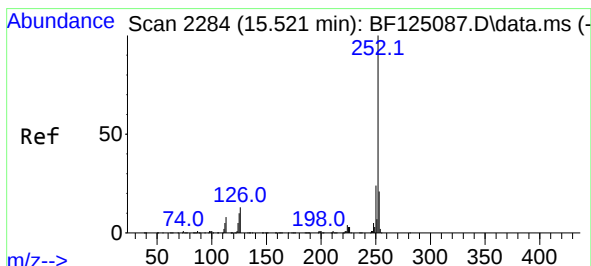
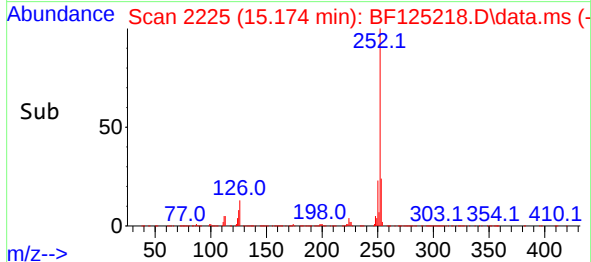
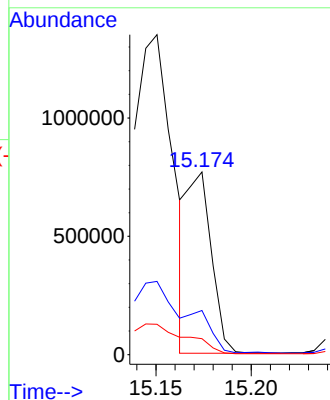
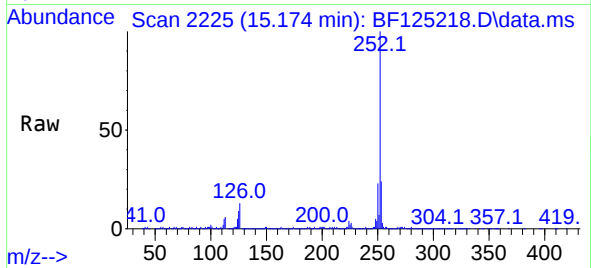
ClientSampleId :

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#90

Benzo(a)pyrene

Concen: 22.119 ng

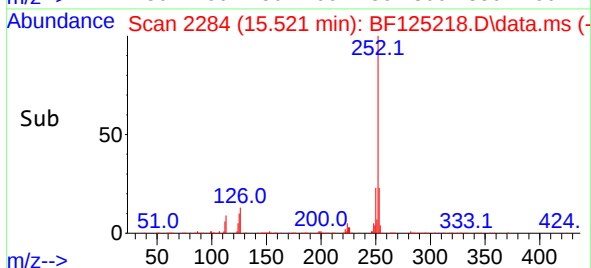
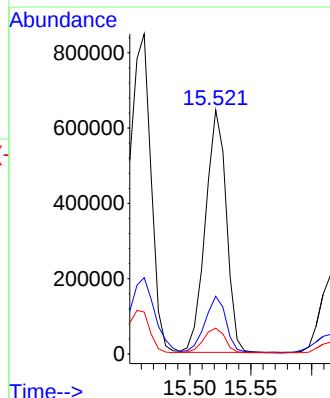
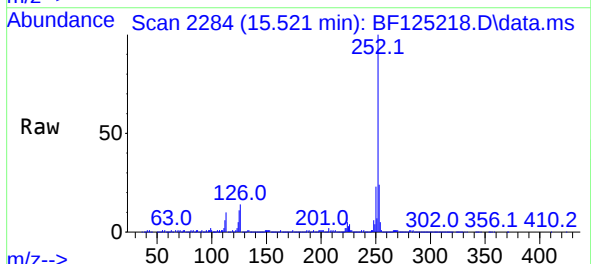
RT: 15.521 min Scan# 2284

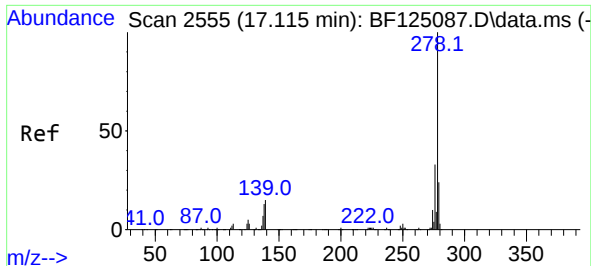
Delta R.T. 0.006 min

Lab File: BF125218.D

Acq: 25 Aug 2021 19:48

Tgt Ion:	252	Resp:	768409
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.4	27.6
125	10.6	9.9	14.9





#91
Dibenzo(a,h)anthracene
Concen: 5.031 ng
RT: 17.103 min Scan# 2553
Delta R.T. -0.006 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

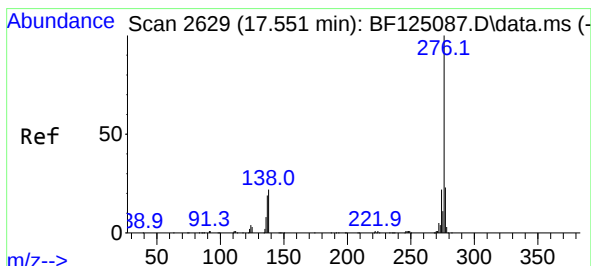
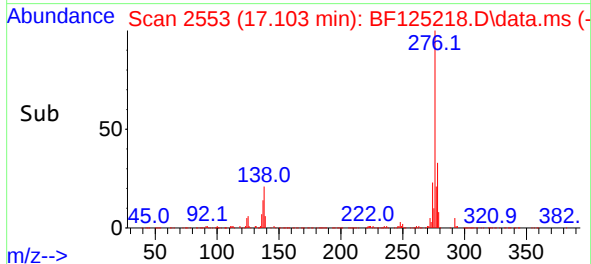
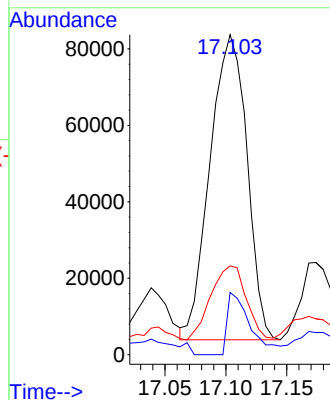
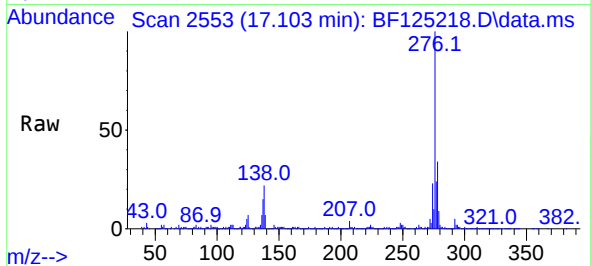
Tgt Ion:	278	Resp:	168664
Ion Ratio	Lower	Upper	
278	100		
139	19.4	14.9	22.3
279	27.7	19.7	29.5

Instrument :
BNA_F
ClientSampleId :
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#92
Benzo(g,h,i)perylene
Concen: 14.549 ng m
RT: 17.556 min Scan# 2630
Delta R.T. 0.006 min
Lab File: BF125218.D
Acq: 25 Aug 2021 19:48

Tgt Ion:	276	Resp:	470276
Ion Ratio	Lower	Upper	
276	100		
277	24.4	22.0	33.0
138	20.5	22.2	33.4#

