

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
 Data File : BF125968.D
 Acq On : 27 Oct 2021 17:40
 Operator : JU/CG
 Sample : M4372-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4

Manual Integrations
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Quant Time: Oct 28 08:59:17 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 25 18:49:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	147571	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	401165	20.000	ng	# 0.00
39) Acenaphthene-d10	9.927	164	183446	20.000	ng	0.02
64) Phenanthrene-d10	11.404	188	348804	20.000	ng	# 0.01
76) Chrysene-d12	14.015	240	374631	20.000	ng	#-0.02
86) Perylene-d12	15.480	264	410933	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1068459	107.846	ng	-0.01
7) Phenol-d6	6.481	99	1327192	97.669	ng	-0.01
23) Nitrobenzene-d5	7.422	82	894689	115.199	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	188719	118.010	ng	0.02
45) 2-Fluorobiphenyl	9.239	172	892337	86.022	ng	0.00
79) Terphenyl-d14	12.968	244	1056065	46.110	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.175	128	117010	5.736	ng	# 45
37) 2-Methylnaphthalene	8.880	142	1687904	128.555	ng	93
38) 1-Methylnaphthalene	8.980	142	1380701	108.955	ng	90
49) Acenaphthylene	9.792	152	165213	10.796	ng	# 1
52) Acenaphthene	9.957	154	266951	26.843	ng	# 80
55) Dibenzofuran	10.127	168	252076	16.970	ng	# 22
58) Fluorene	10.474	166	521940	56.979	ng	# 88
71) Phenanthrene	11.433	178	1609175	88.909	ng	# 93
72) Anthracene	11.480	178	153202	8.478	ng	# 76
75) Fluoranthene	12.604	202	309051	16.938	ng	94
78) Pyrene	12.827	202	427393m	12.259	ng	
81) Benzo(a)anthracene	14.004	228	159282	6.317	ng	96
83) Chrysene	14.039	228	160493m	6.291	ng	
87) Indeno(1,2,3-cd)pyrene	16.921	276	87728	2.963	ng	95
88) Benzo(b)fluoranthene	15.051	252	199888m	7.369	ng	
89) Benzo(k)fluoranthene	15.074	252	58160m	2.232	ng	
90) Benzo(a)pyrene	15.409	252	157824	7.208	ng	99
92) Benzo(g,h,i)perylene	17.356	276	83679	3.340	ng	92

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

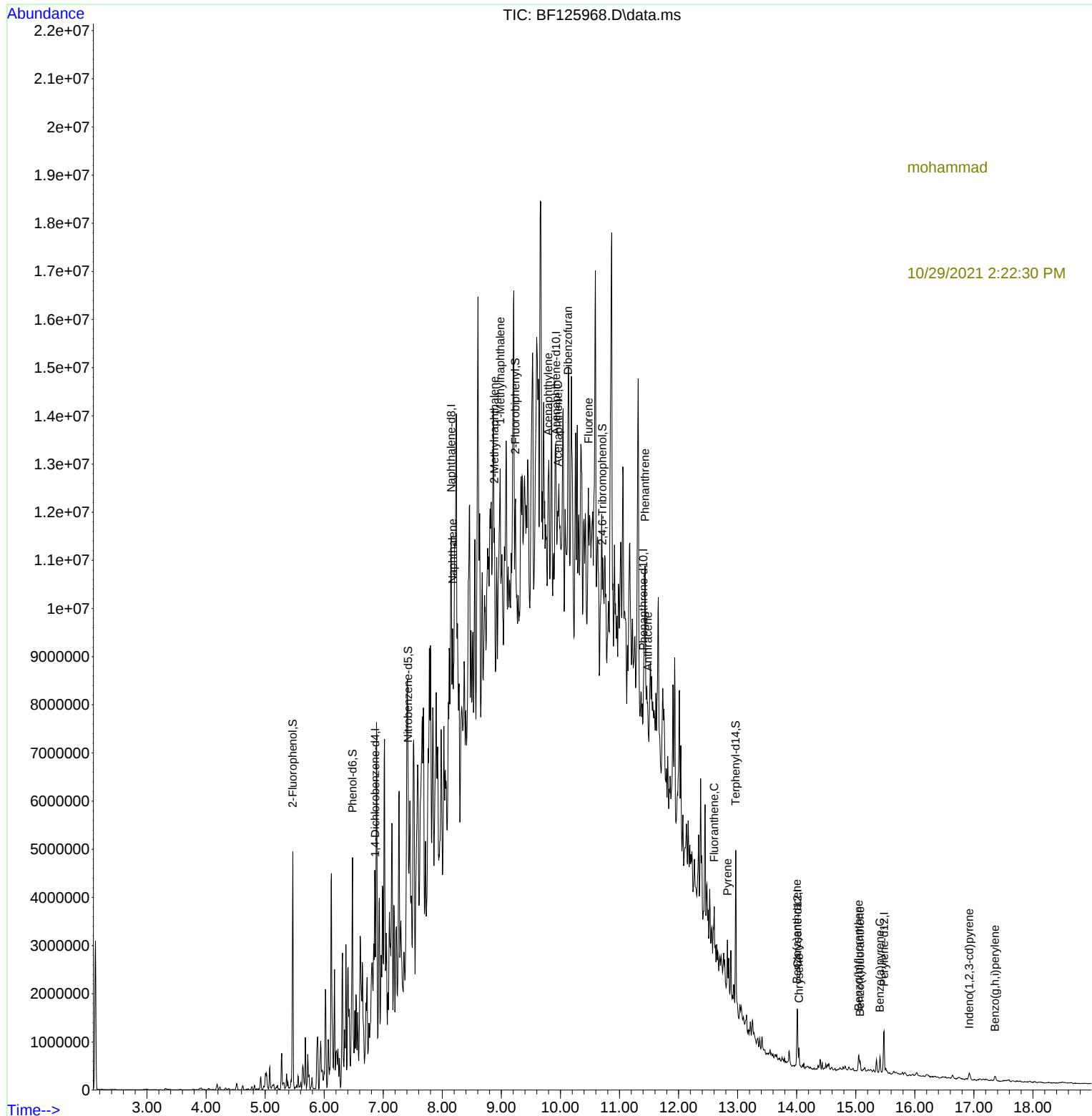
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125968.D
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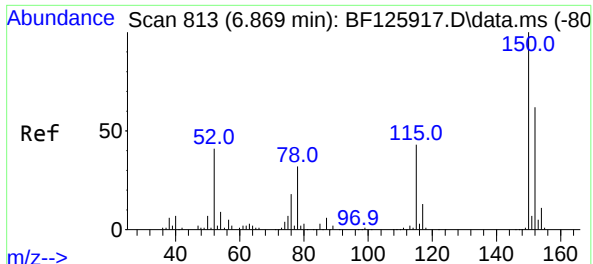
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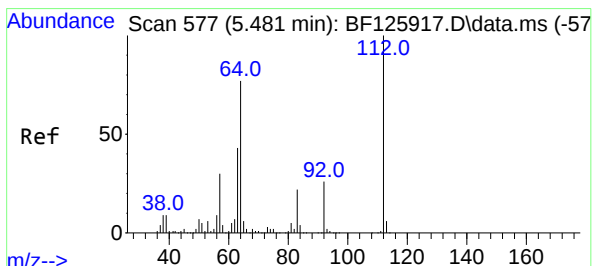
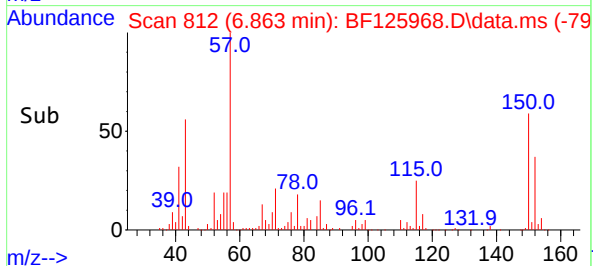
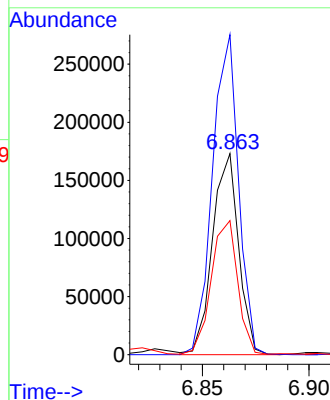
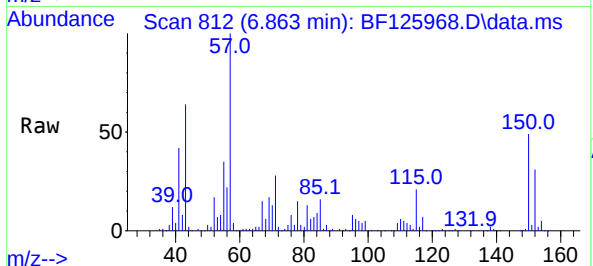
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:152 Resp: 147571
Ion Ratio Lower Upper
152 100
150 159.1 117.6 176.4
115 66.7 47.1 70.7

Instrument :
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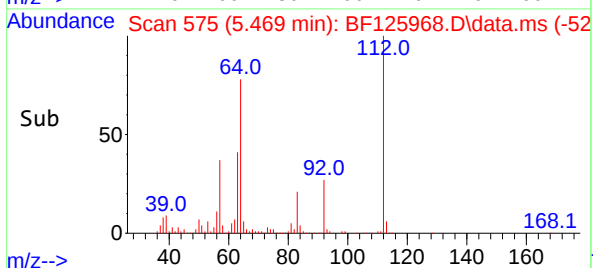
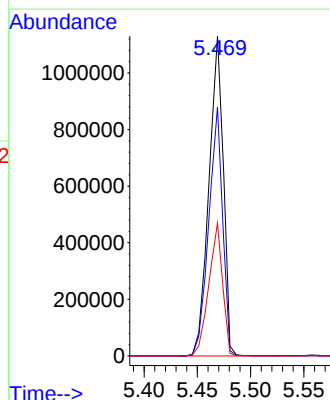
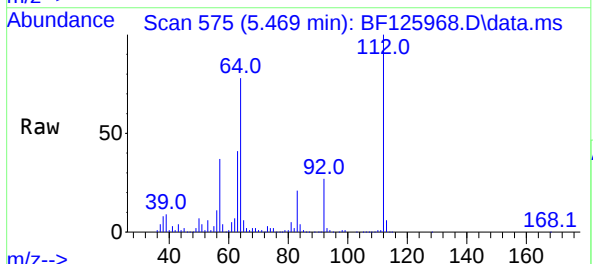
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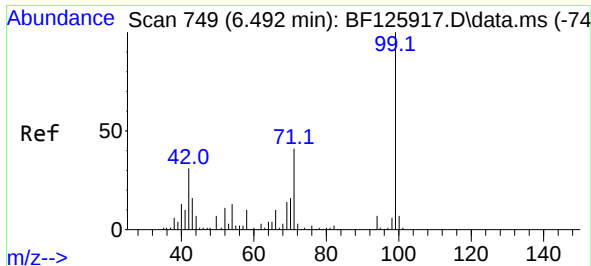
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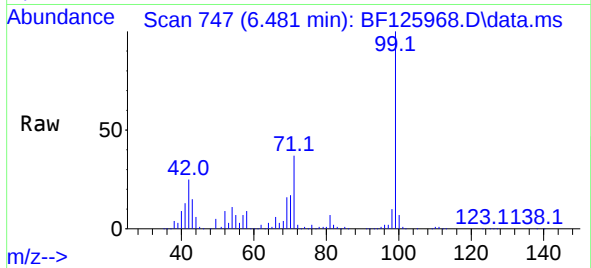
#5
2-Fluorophenol
Concen: 107.846 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.012 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:112 Resp: 1068459
Ion Ratio Lower Upper
112 100
64 77.7 44.2 66.2#
63 41.5 26.2 39.2#



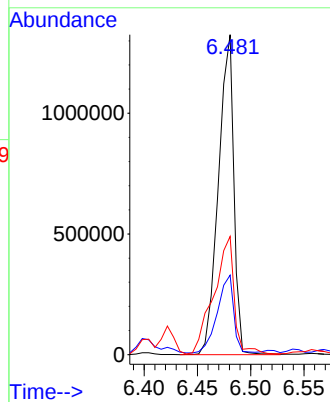


#7
Phenol-d6
Concen: 97.669 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40



Tgt Ion: 99 Resp: 1327192

Ion	Ratio	Lower	Upper
99	100		
42	24.8	23.5	35.3
71	37.0	25.6	38.4



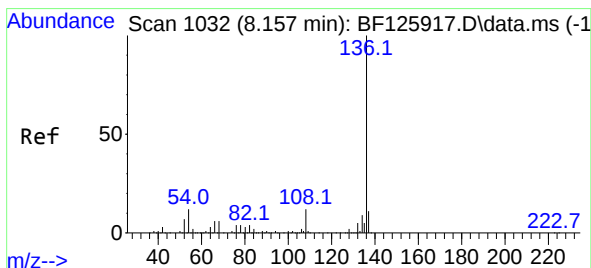
Instrument :
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ClientSampled :
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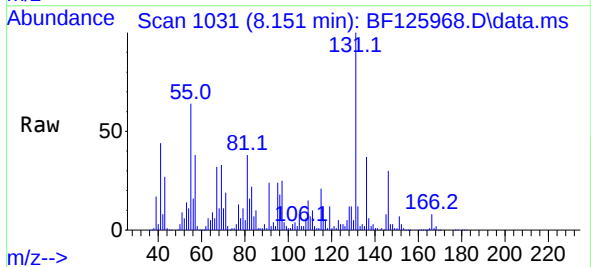
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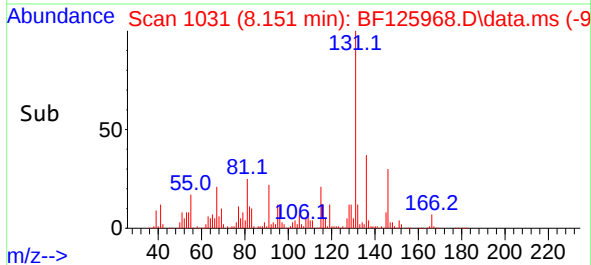
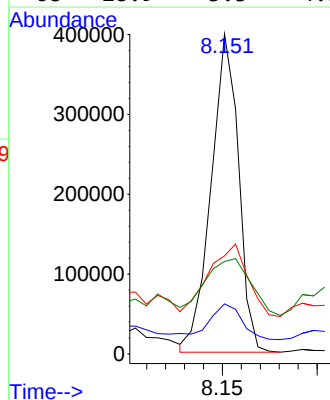


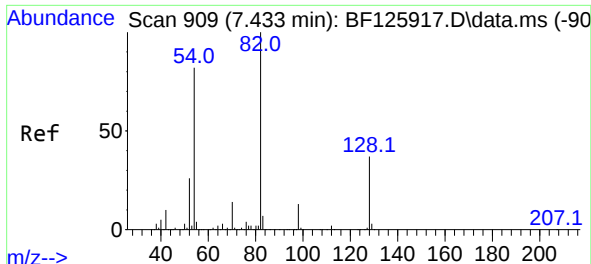
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40



Tgt Ion: 136 Resp: 401165

Ion	Ratio	Lower	Upper
136	100		
137	15.7	9.8	14.6#
54	30.6	6.4	9.6#
68	28.9	3.3	4.9#





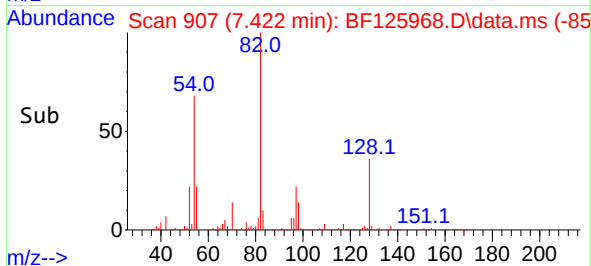
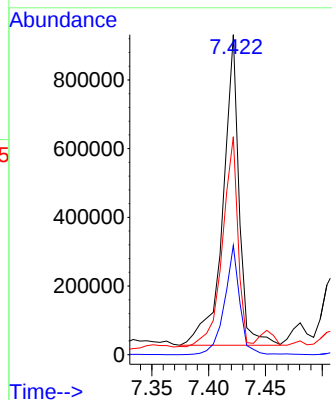
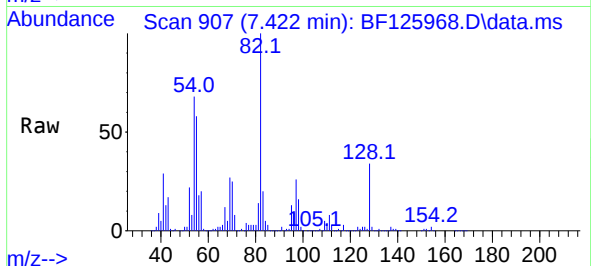
#23
Nitrobenzene-d5
Concen: 115.199 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion: 82 Resp: 894689
Ion Ratio Lower Upper
82 100
128 34.2 40.6 60.8#
54 68.1 49.6 74.4

Instrument :
BNA_F
ClientSampled :
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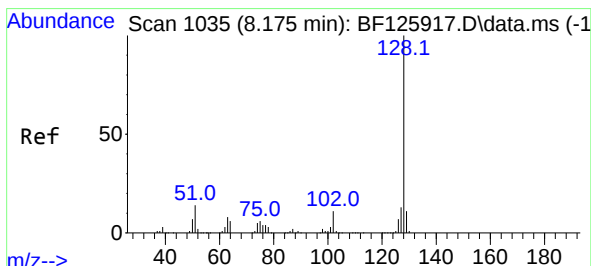
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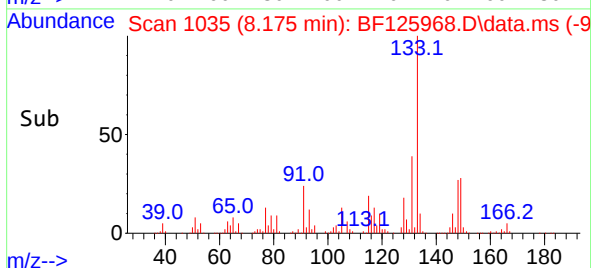
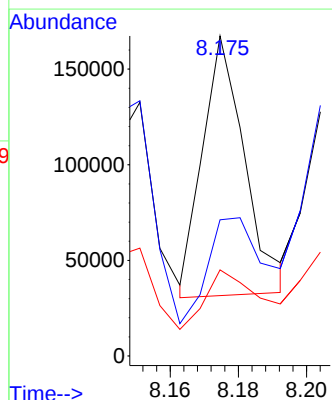
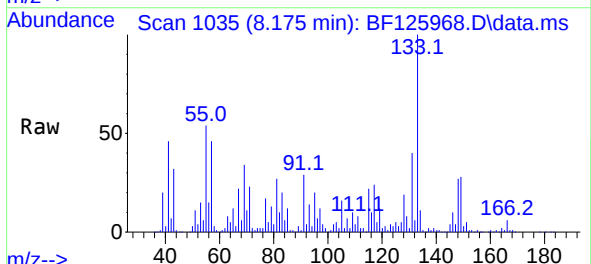
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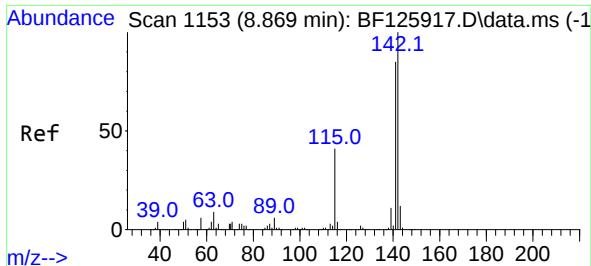
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#31
Naphthalene
Concen: 5.736 ng
RT: 8.175 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:128 Resp: 117010
Ion Ratio Lower Upper
128 100
129 42.6 9.4 14.0#
127 26.9 10.9 16.3#





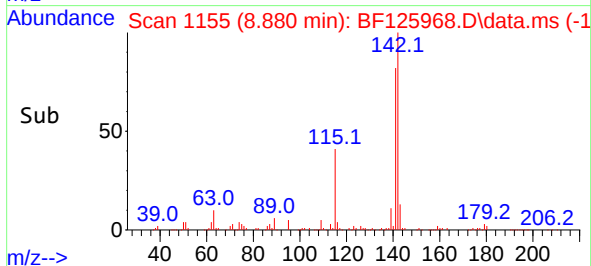
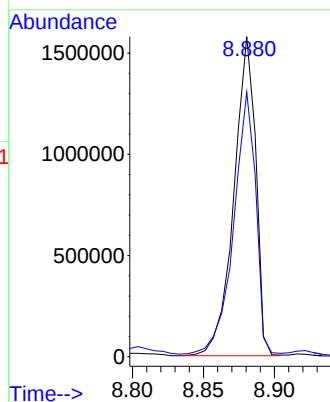
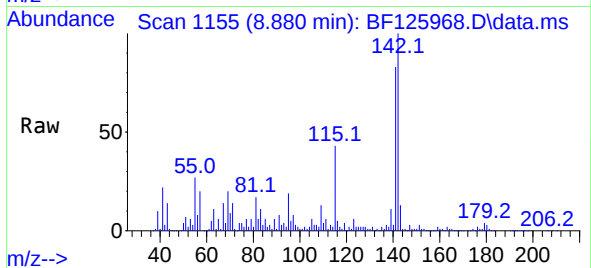
#37
2-Methylnaphthalene
Concen: 128.555 ng
RT: 8.880 min Scan# 1155
Delta R.T. 0.012 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:142 Resp: 1687904
Ion Ratio Lower Upper
142 100
141 82.7 71.2 106.8

Instrument :
BNA_F
ClientSampled :
SB-4

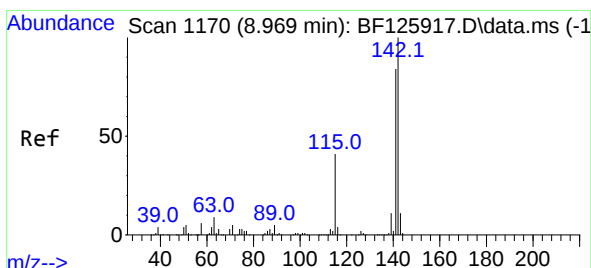
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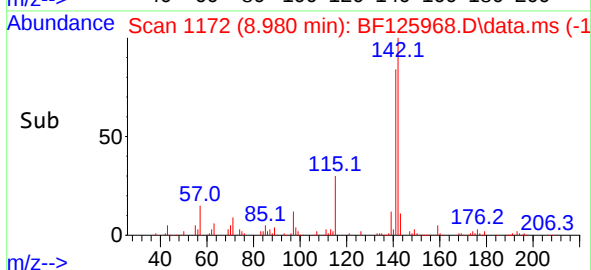
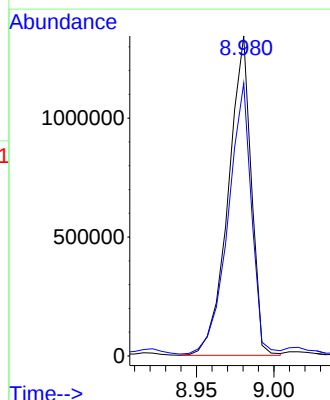
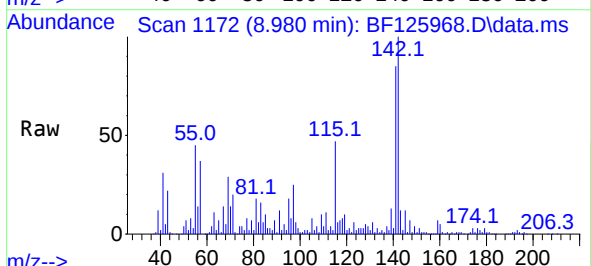
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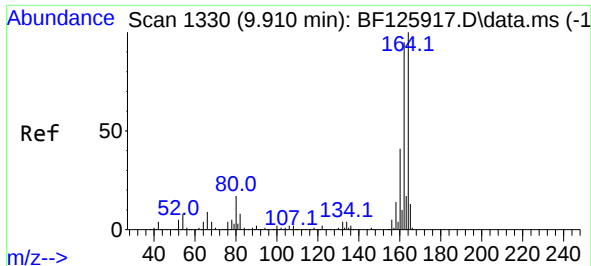
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#38
1-Methylnaphthalene
Concen: 108.955 ng
RT: 8.980 min Scan# 1172
Delta R.T. 0.012 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:142 Resp: 1380701
Ion Ratio Lower Upper
142 100
141 85.2 76.0 114.0





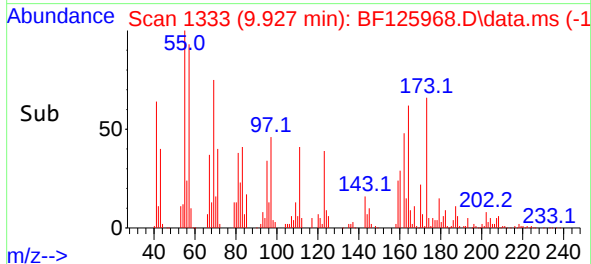
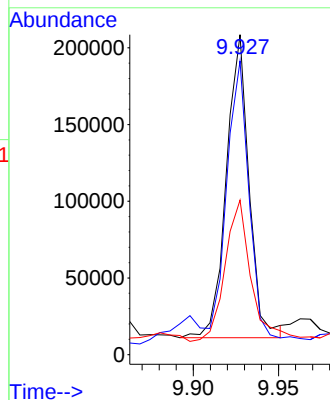
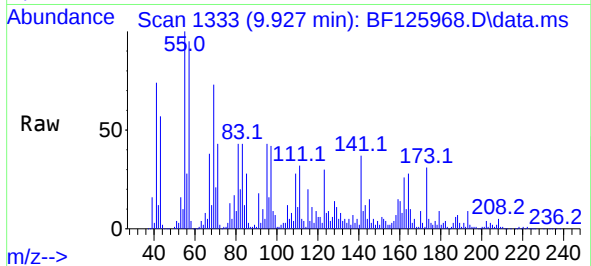
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1333
Delta R.T. 0.017 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:164 Resp: 183446
Ion Ratio Lower Upper
164 100
162 91.8 81.3 121.9
160 48.3 38.0 57.0

Instrument :
BNA_F
ClientSampled :
SB-4

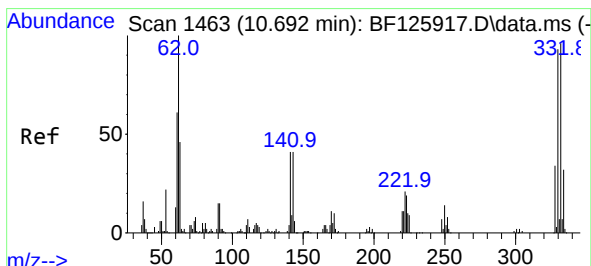
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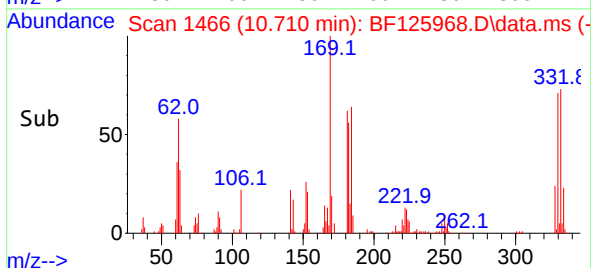
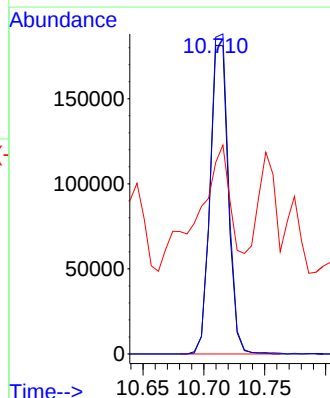
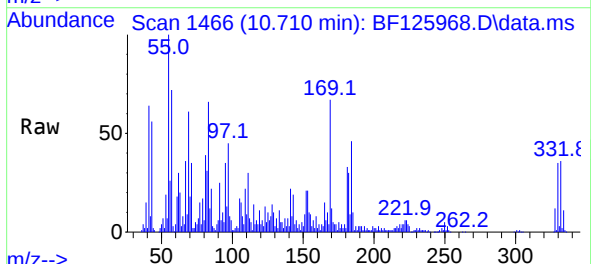
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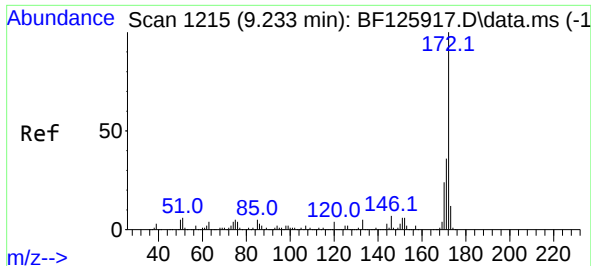
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#42
2,4,6-Tribromophenol
Concen: 118.010 ng
RT: 10.710 min Scan# 1466
Delta R.T. 0.018 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:330 Resp: 188719
Ion Ratio Lower Upper
330 100
332 103.9 76.2 114.4
141 73.5 44.6 66.8#





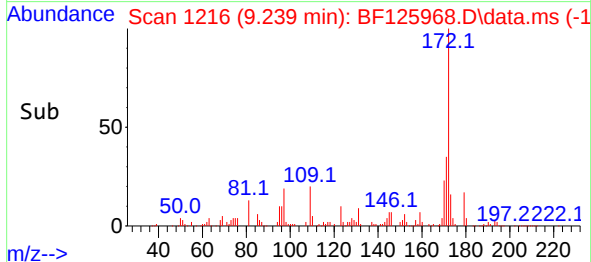
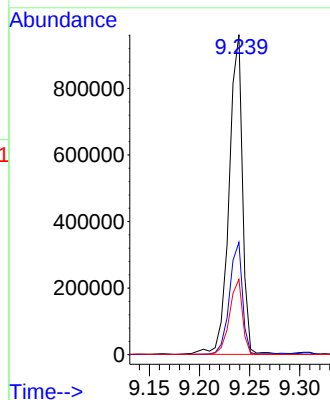
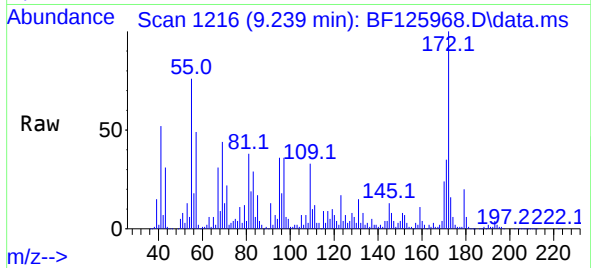
#45
2-Fluorobiphenyl
Concen: 86.022 ng
RT: 9.239 min Scan# 1216
Delta R.T. 0.006 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:172 Resp: 892337
Ion Ratio Lower Upper
172 100
171 35.1 26.5 39.7
170 23.5 18.8 28.2

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SB-4

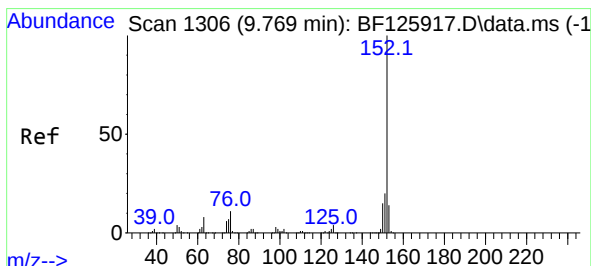
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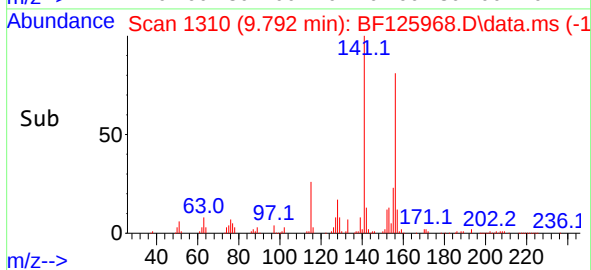
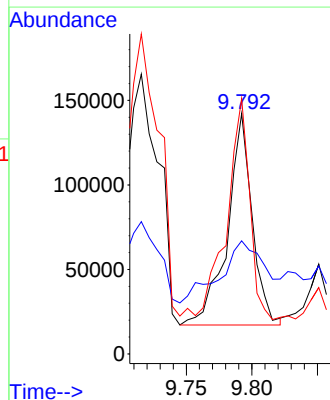
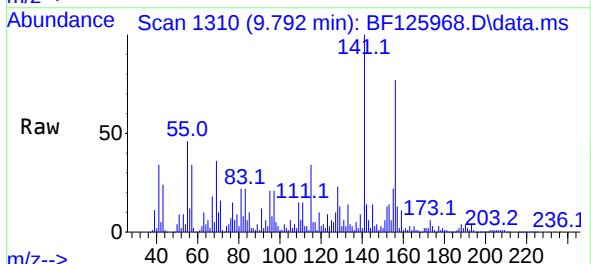
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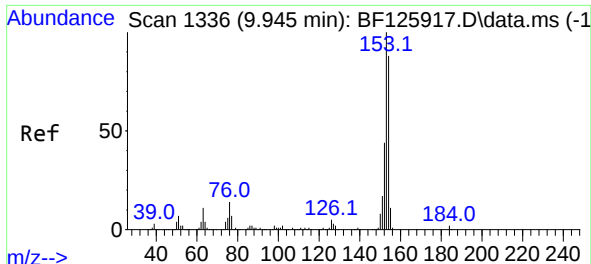
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#49
Acenaphthylene
Concen: 10.796 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.024 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:152 Resp: 165213
Ion Ratio Lower Upper
152 100
151 47.1 15.7 23.5#
153 106.3 9.8 14.8#





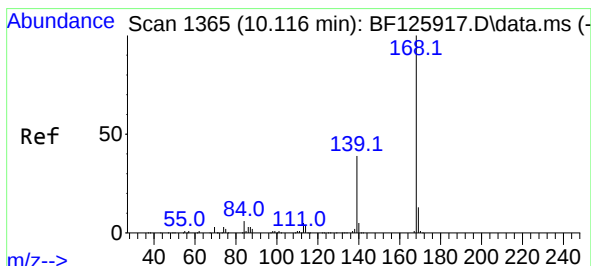
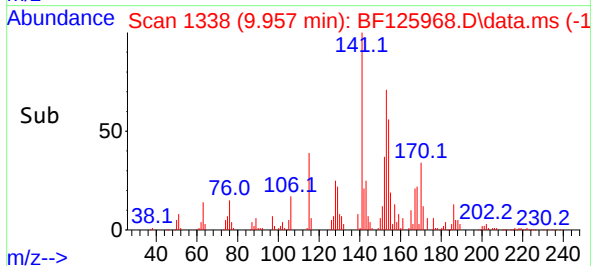
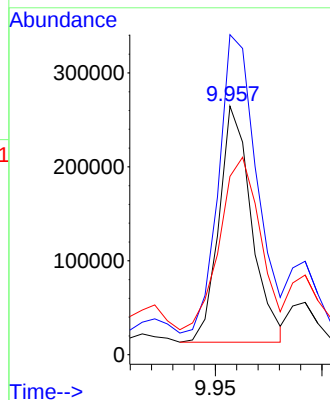
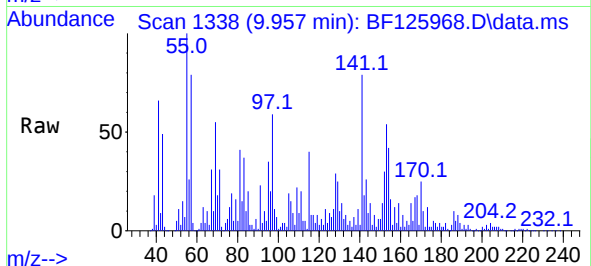
#52
Acenaphthene
Concen: 26.843 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.012 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:154 Resp: 266951
Ion Ratio Lower Upper
154 100
153 128.8 89.4 134.2
152 71.7 40.5 60.7#

Instrument :
BNA_F
ClientSampled :
SB-4

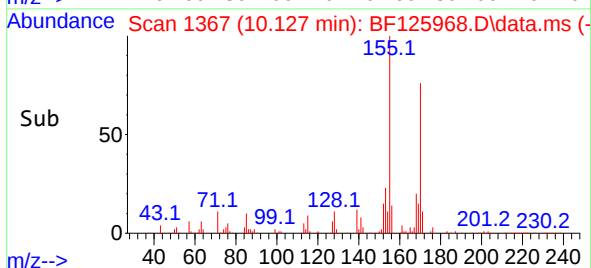
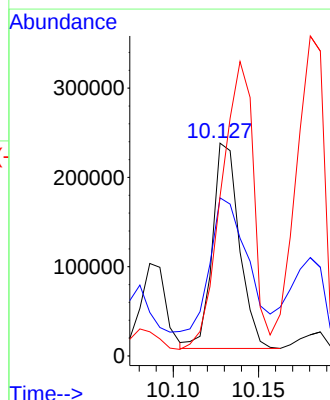
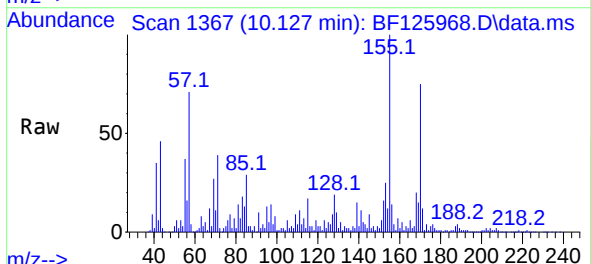
Manual Integrations
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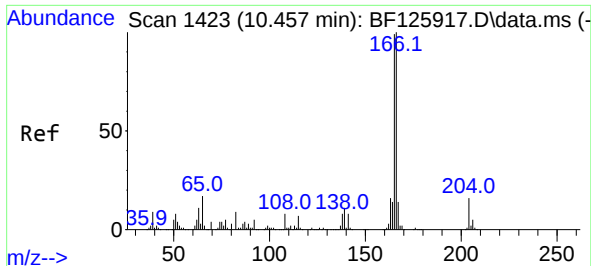
mohammad
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#55
Dibenzofuran
Concen: 16.970 ng
RT: 10.127 min Scan# 1367
Delta R.T. 0.012 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:168 Resp: 252076
Ion Ratio Lower Upper
168 100
139 74.3 32.7 49.1#
169 75.0 11.2 16.8#





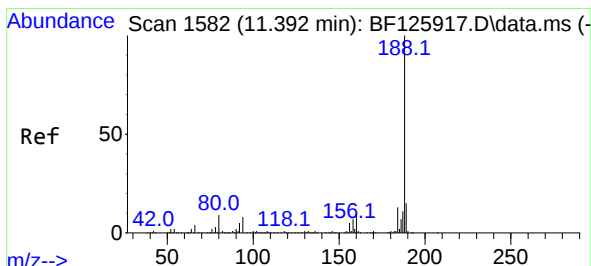
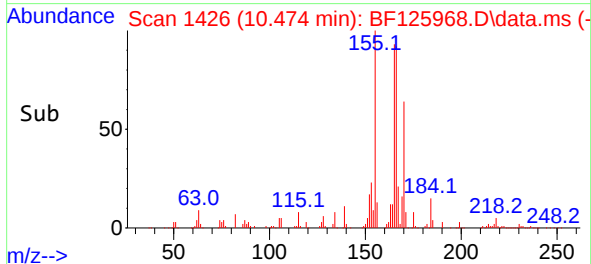
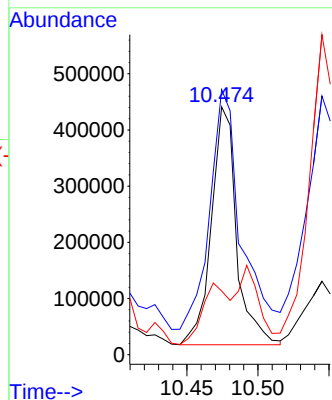
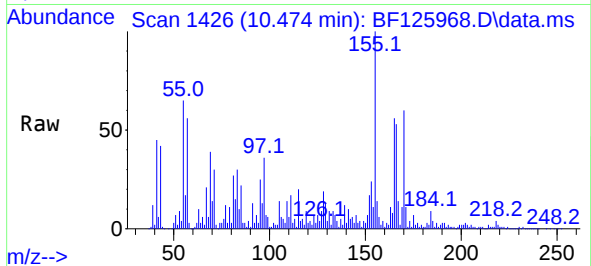
#58
Fluorene
Concen: 56.979 ng
RT: 10.474 min Scan# 1426
Delta R.T. 0.017 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:166 Resp: 521940
Ion Ratio Lower Upper
166 100
165 106.9 78.1 117.1
167 25.7 11.1 16.7#

Instrument :
BNA_F
ClientSampled :
SB-4

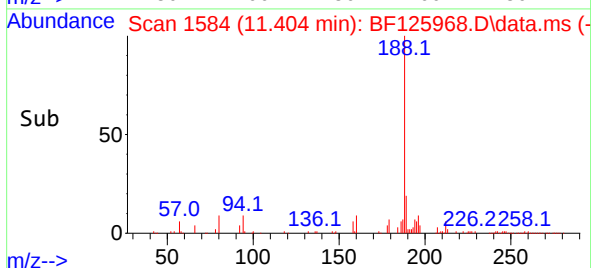
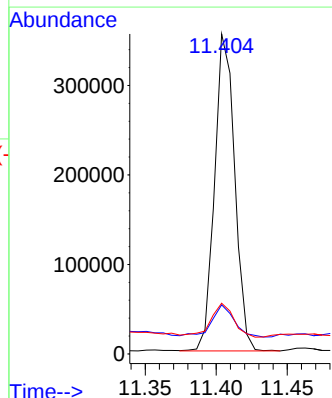
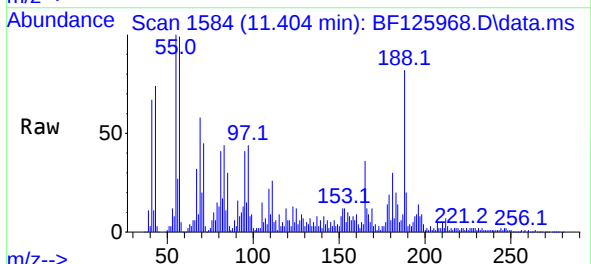
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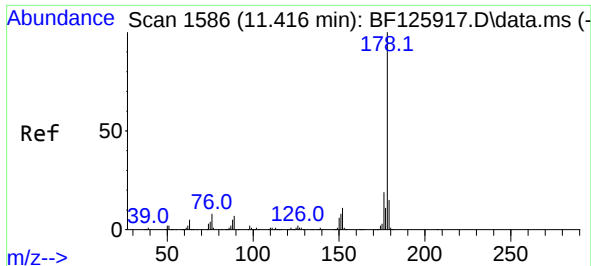
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.012 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:188 Resp: 348804
Ion Ratio Lower Upper
188 100
94 15.3 6.7 10.1#
80 15.8 7.5 11.3#





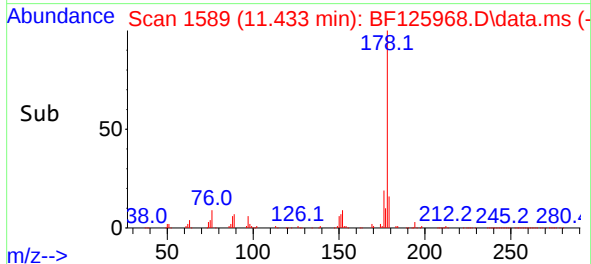
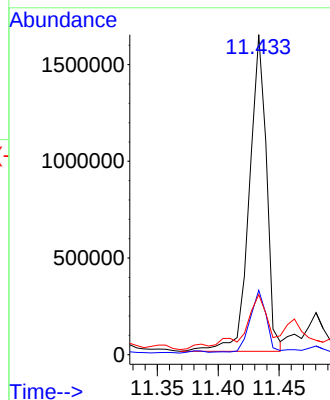
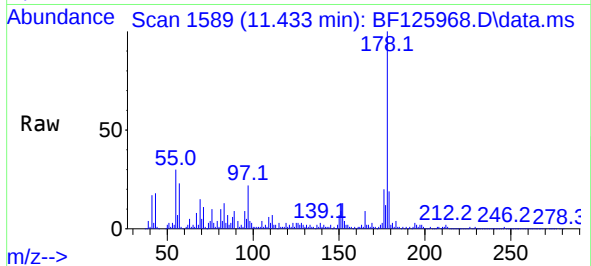
#71
Phenanthrene
Concen: 88.909 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.018 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:178 Resp: 1609175
Ion Ratio Lower Upper
178 100
176 20.1 14.7 22.1
179 18.8 11.5 17.3#

Instrument :
BNA_F
ClientSampled :
SB-4

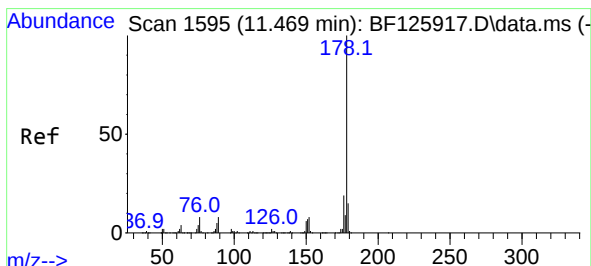
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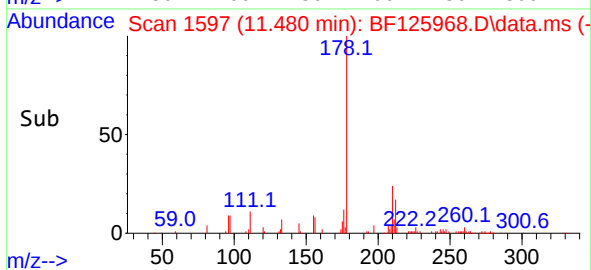
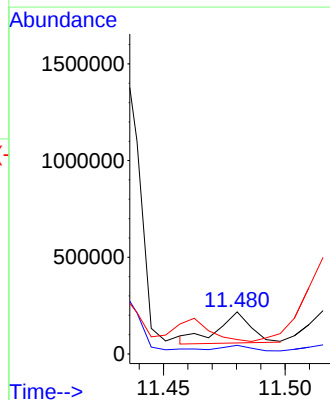
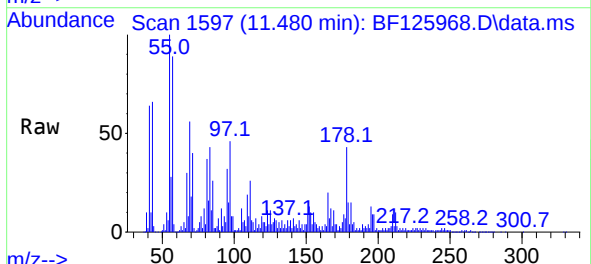
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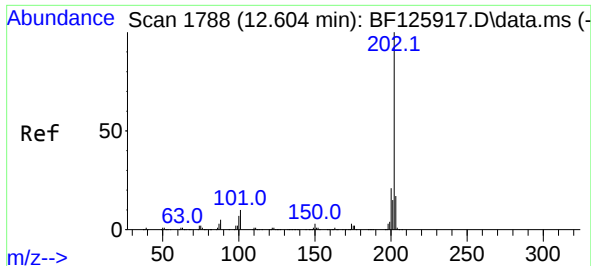
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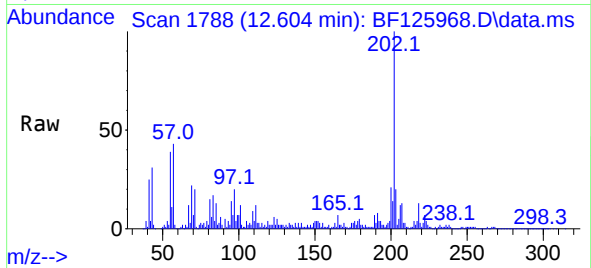
#72
Anthracene
Concen: 8.478 ng
RT: 11.480 min Scan# 1597
Delta R.T. 0.012 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:178 Resp: 153202
Ion Ratio Lower Upper
178 100
176 20.6 14.3 21.5
179 34.2 12.2 18.4#

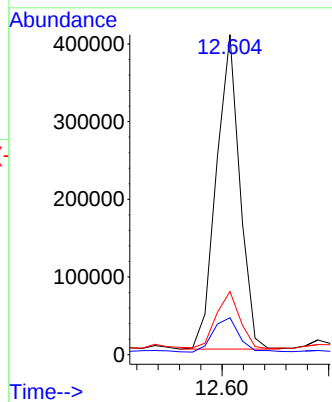
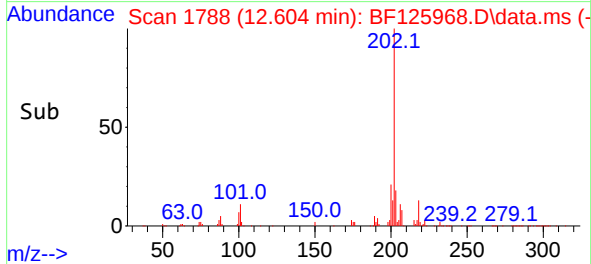




#75
Fluoranthene
Concen: 16.938 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40



Tgt Ion:202 Resp: 309051
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.7
203 19.8 0.0 36.3



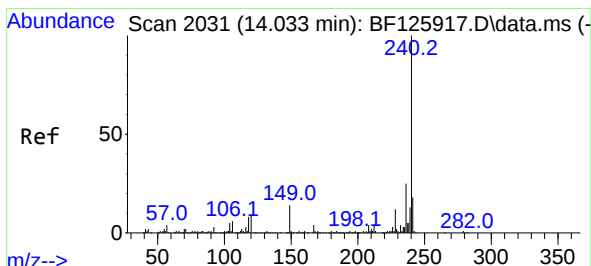
Instrument :
BNA_F
ClientSampleId :
SB-4

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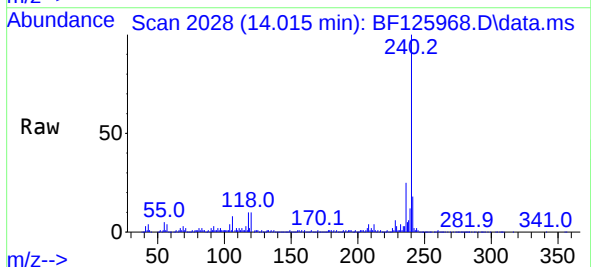
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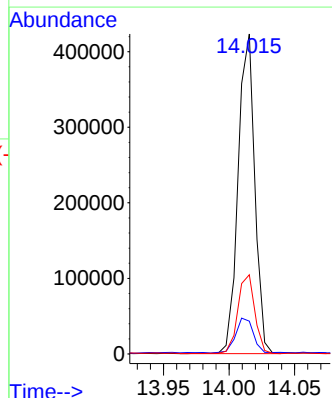
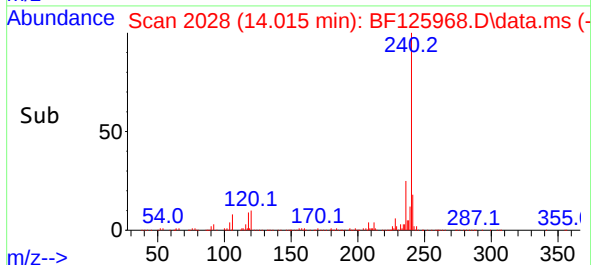
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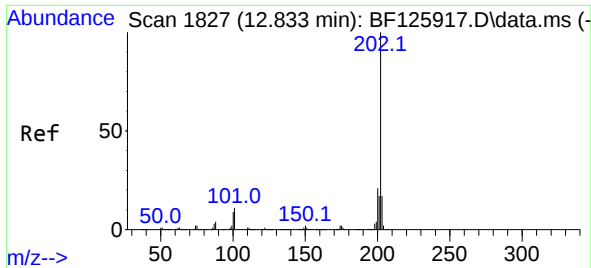


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.018 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40



Tgt Ion:240 Resp: 374631
Ion Ratio Lower Upper
240 100
120 10.3 10.8 16.2#
236 24.7 21.6 32.4





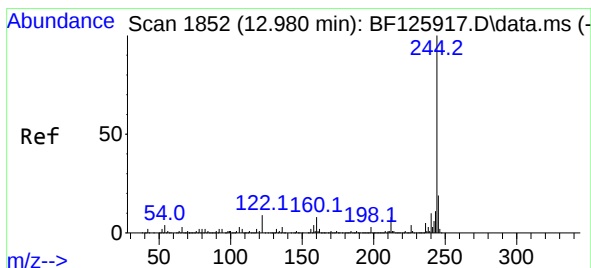
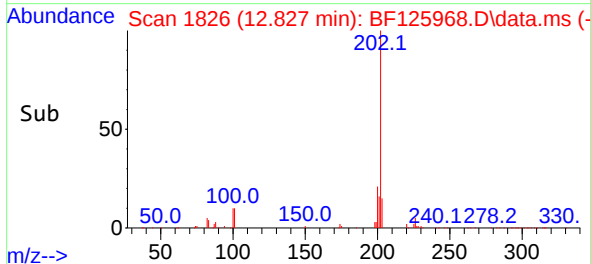
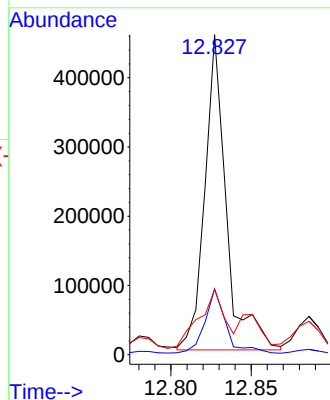
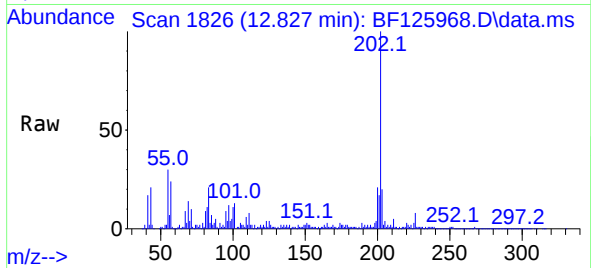
#78
Pyrene
Concen: 12.259 ng m
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:202 Resp: 427393
Ion Ratio Lower Upper
202 100
200 20.5 15.3 22.9
203 20.4 13.4 20.0#

Instrument :
BNA_F
ClientSampled :
SB-4

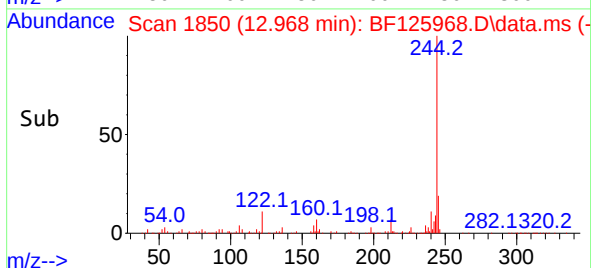
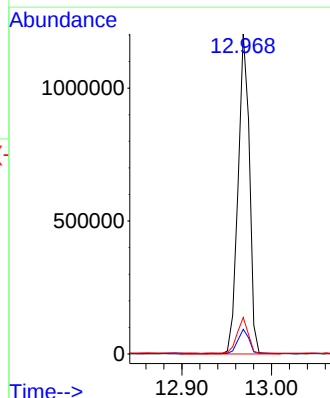
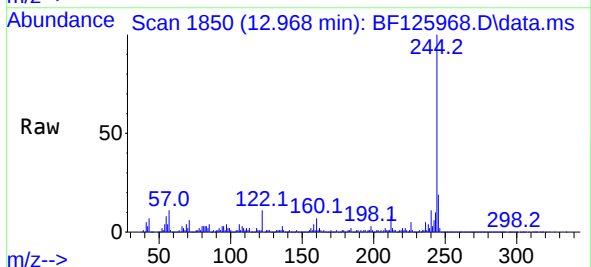
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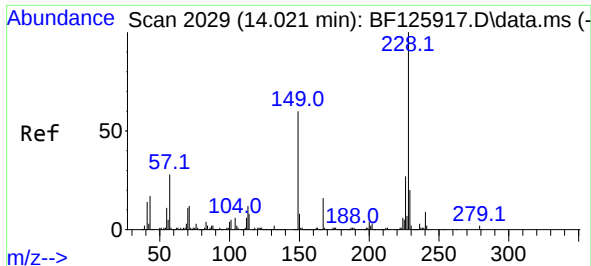
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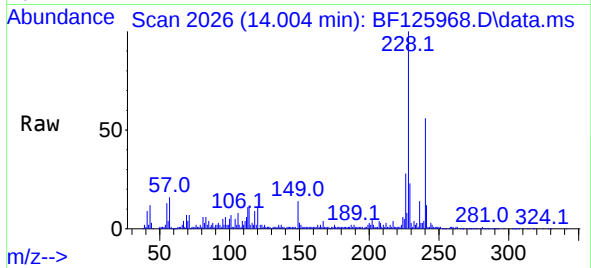
#79
Terphenyl-d14
Concen: 46.110 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:244 Resp: 1056065
Ion Ratio Lower Upper
244 100
212 7.7 5.9 8.9
122 11.4 9.0 13.4

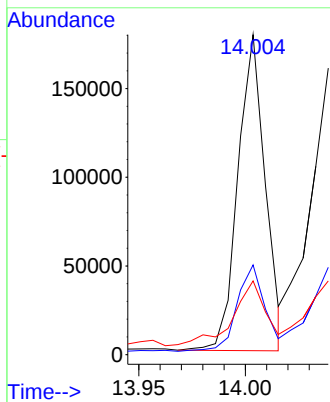
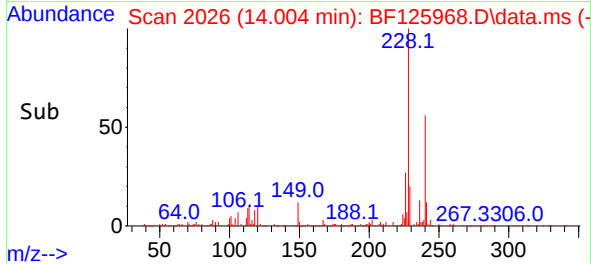




#81
Benzo(a)anthracene
Concen: 6.317 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.018 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40



Tgt Ion:228 Resp: 159282
Ion Ratio Lower Upper
228 100
226 28.1 21.6 32.4
229 23.1 15.6 23.4



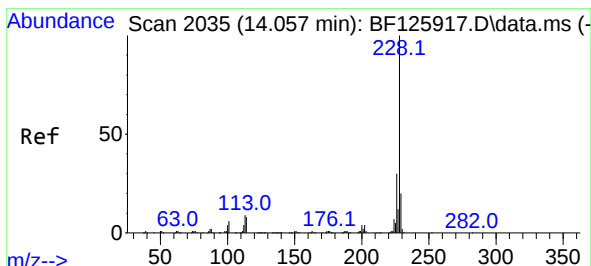
Instrument :
BNA_F
ClientSampled :
SB-4

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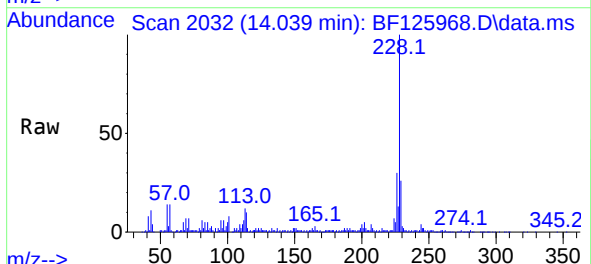
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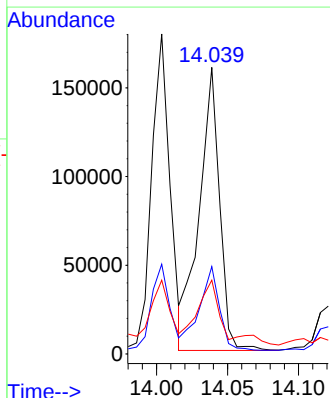
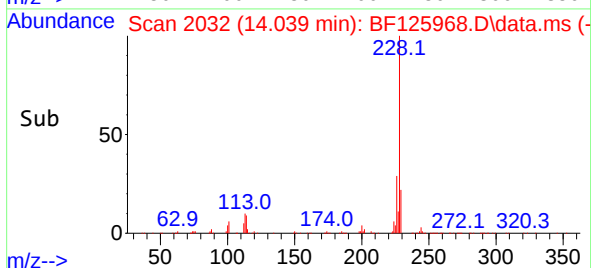
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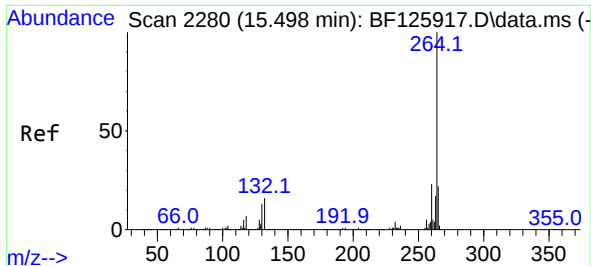


#83
Chrysene
Concen: 6.291 ng m
RT: 14.039 min Scan# 2032
Delta R.T. -0.018 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40



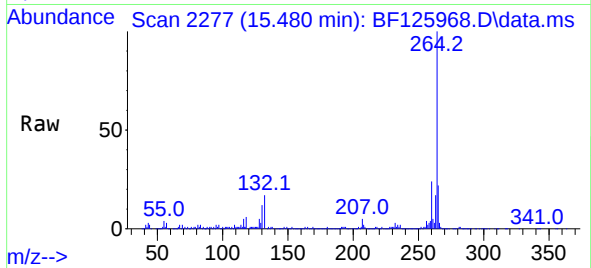
Tgt Ion:228 Resp: 160493
Ion Ratio Lower Upper
228 100
226 30.5 22.6 34.0
229 25.7 15.9 23.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.018 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

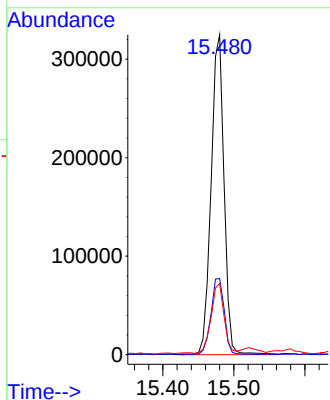
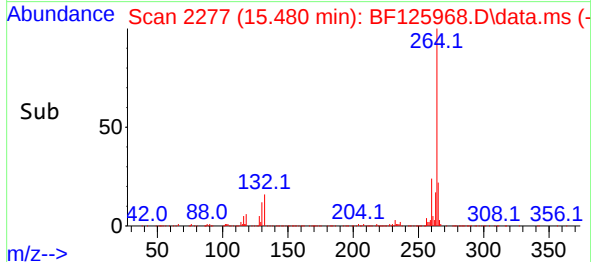
Instrument :
BNA_F
ClientSampled :
SB-4



Tgt Ion:264 Resp: 410933
Ion Ratio Lower Upper
264 100
260 23.8 19.6 29.4
265 22.3 17.2 25.8

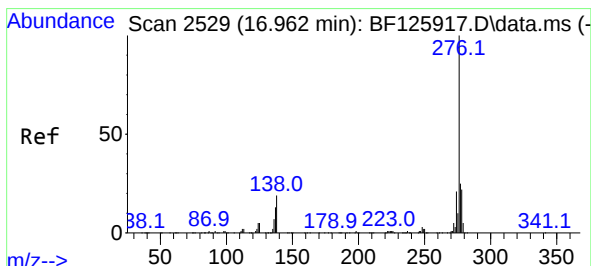
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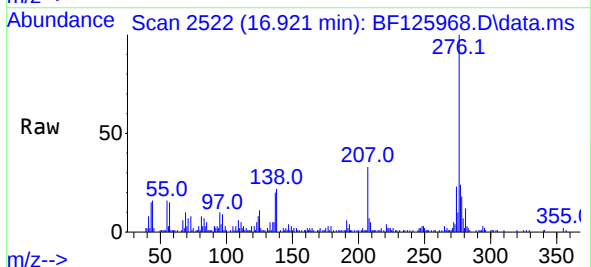


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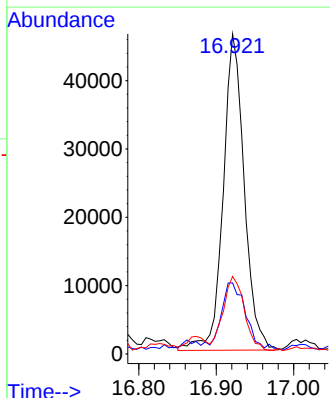
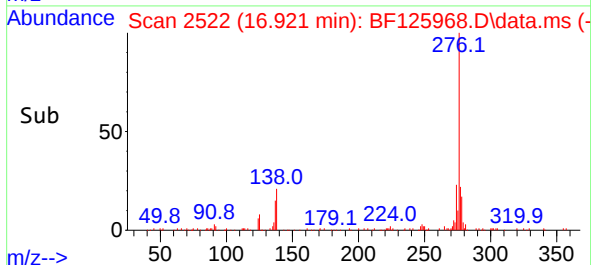
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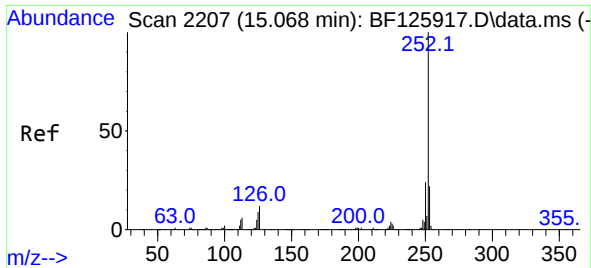


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.963 ng
RT: 16.921 min Scan# 2522
Delta R.T. -0.041 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40



Tgt Ion:276 Resp: 87728
Ion Ratio Lower Upper
276 100
138 25.3 24.1 36.1
277 23.9 18.8 28.2





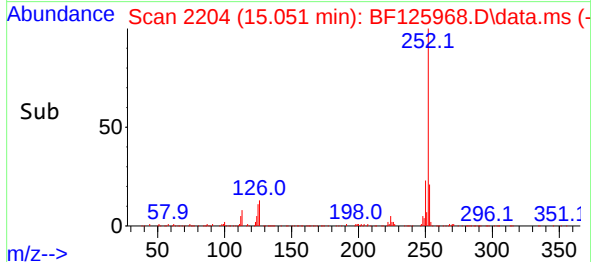
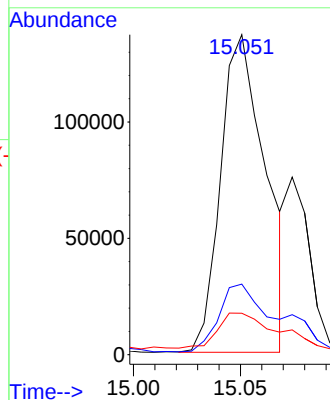
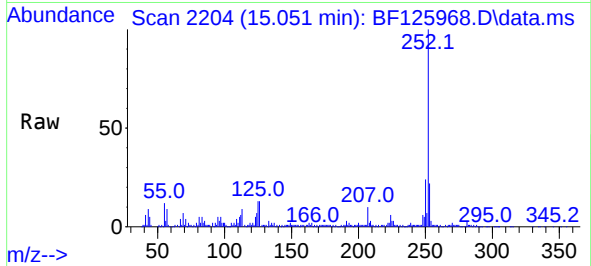
#88
Benzo(b)fluoranthene
Concen: 7.369 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.018 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

Tgt Ion:252 Resp: 199888
Ion Ratio Lower Upper
252 100
253 22.0 16.8 25.2
125 12.9 9.8 14.8

Instrument :
BNA_F
ClientSampled :
SB-4

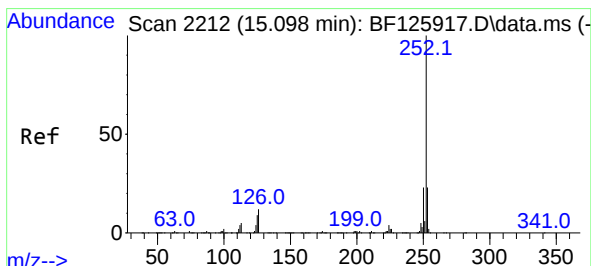
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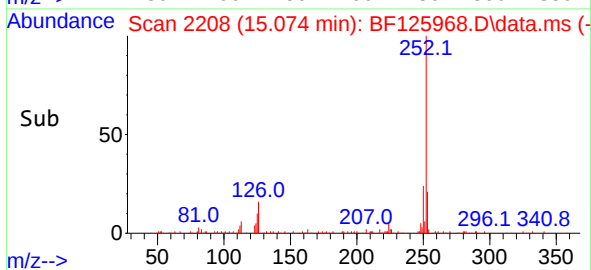
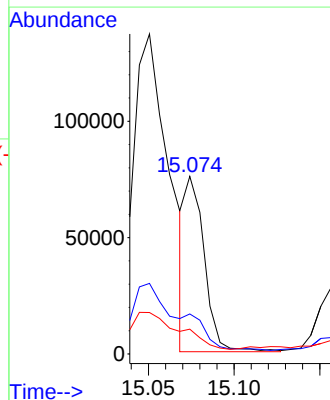
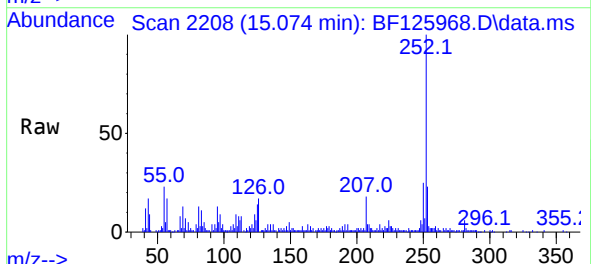
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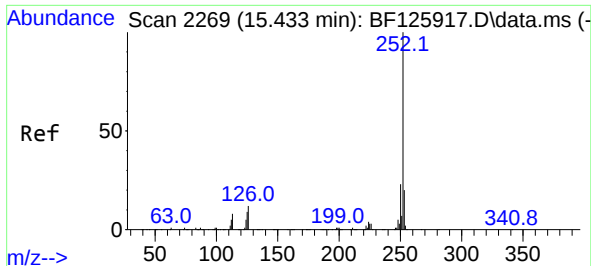
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#89
Benzo(k)fluoranthene
Concen: 2.232 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.024 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

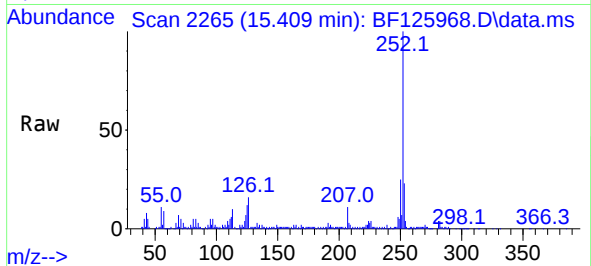
Tgt Ion:252 Resp: 58160
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 13.9 7.2 10.8#





#90
Benzo(a)pyrene
Concen: 7.208 ng
RT: 15.409 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40

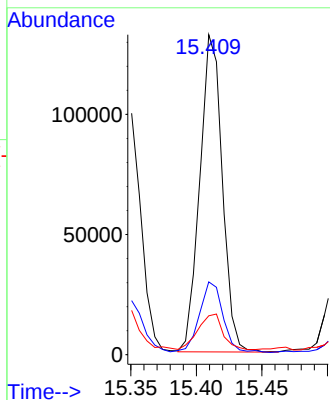
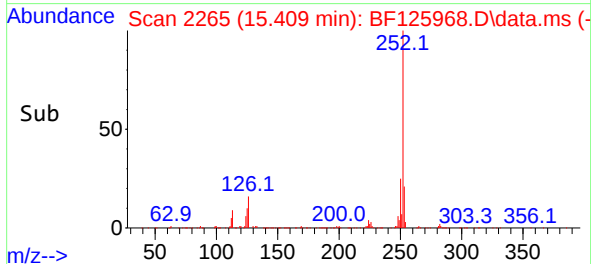
Instrument :
BNA_F
ClientSampleId :
SB-4



Tgt Ion:252 Resp: 157824
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 12.2 9.9 14.9

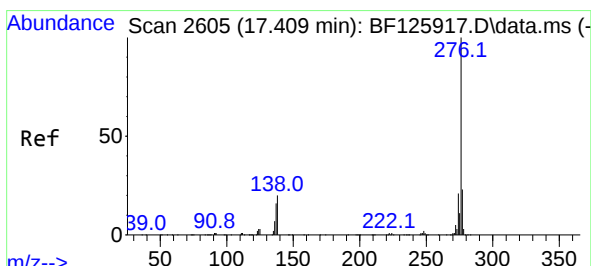
Manual Integrations
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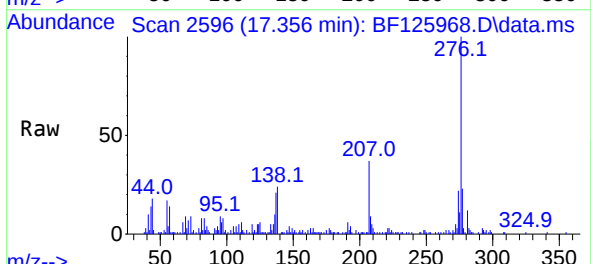


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#92
Benzo(g,h,i)perylene
Concen: 3.340 ng
RT: 17.356 min Scan# 2596
Delta R.T. -0.053 min
Lab File: BF125968.D
Acq: 27 Oct 2021 17:40



Tgt Ion:276 Resp: 83679
Ion Ratio Lower Upper
276 100
277 23.1 22.0 33.0
138 24.3 22.2 33.4

