

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
 Data File : BF125890.D
 Acq On : 18 Oct 2021 22:01
 Operator : JU/CG
 Sample : M4249-07 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-(S)

Manual Integrations
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Quant Time: Oct 19 09:09:13 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 18 12:43:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	178256	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	704632	20.00	ng	# 0.00
39) Acenaphthene-d10	9.857	164	326059	20.00	ng	0.00
64) Phenanthrene-d10	11.339	188	519896	20.00	ng	# 0.00
76) Chrysene-d12	13.986	240	358430	20.00	ng	0.01
86) Perylene-d12	15.433	264	286338	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	491457	45.04	ng	0.00
7) Phenol-d6	6.445	99	578052	41.15	ng	-0.01
23) Nitrobenzene-d5	7.381	82	324479	28.62	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	126330	39.24	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	650337	34.40	ng	0.00
79) Terphenyl-d14	12.921	244	613200	26.06	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	182767	5.36	ng	98
37) 2-Methylnaphthalene	8.816	142	129845	5.88	ng	97
38) 1-Methylnaphthalene	8.916	142	167903	7.84	ng	96
46) 1,1'-Biphenyl	9.275	154	49162	2.05	ng	98
49) Acenaphthylene	9.716	152	260868	9.15	ng	# 96
52) Acenaphthene	9.886	154	150496	8.45	ng	98
55) Dibenzofuran	10.057	168	142891	5.36	ng	# 89
58) Fluorene	10.404	166	370954	18.99	ng	100
71) Phenanthrene	11.375	178	2850603	102.48	ng	94
72) Anthracene	11.416	178	635071	22.86	ng	99
73) Carbazole	11.569	167	76543	2.96	ng	97
75) Fluoranthene	12.569	202	3411468	135.92	ng	94
78) Pyrene	12.798	202	3870293	106.29	ng	# 90
81) Benzo(a)anthracene	13.974	228	2134347	91.78	ng	93
83) Chrysene	14.016	228	1892370	82.33	ng	95
87) Indeno(1,2,3-cd)pyrene	16.874	276	621232	28.43	ng	94
88) Benzo(b)fluoranthene	15.021	252	1660127m	102.69	ng	
89) Benzo(k)fluoranthene	15.039	252	559314m	33.70	ng	
90) Benzo(a)pyrene	15.374	252	1218355	85.11	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	176801	9.81	ng	96
92) Benzo(g,h,i)perylene	17.309	276	603630	32.79	ng	93

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

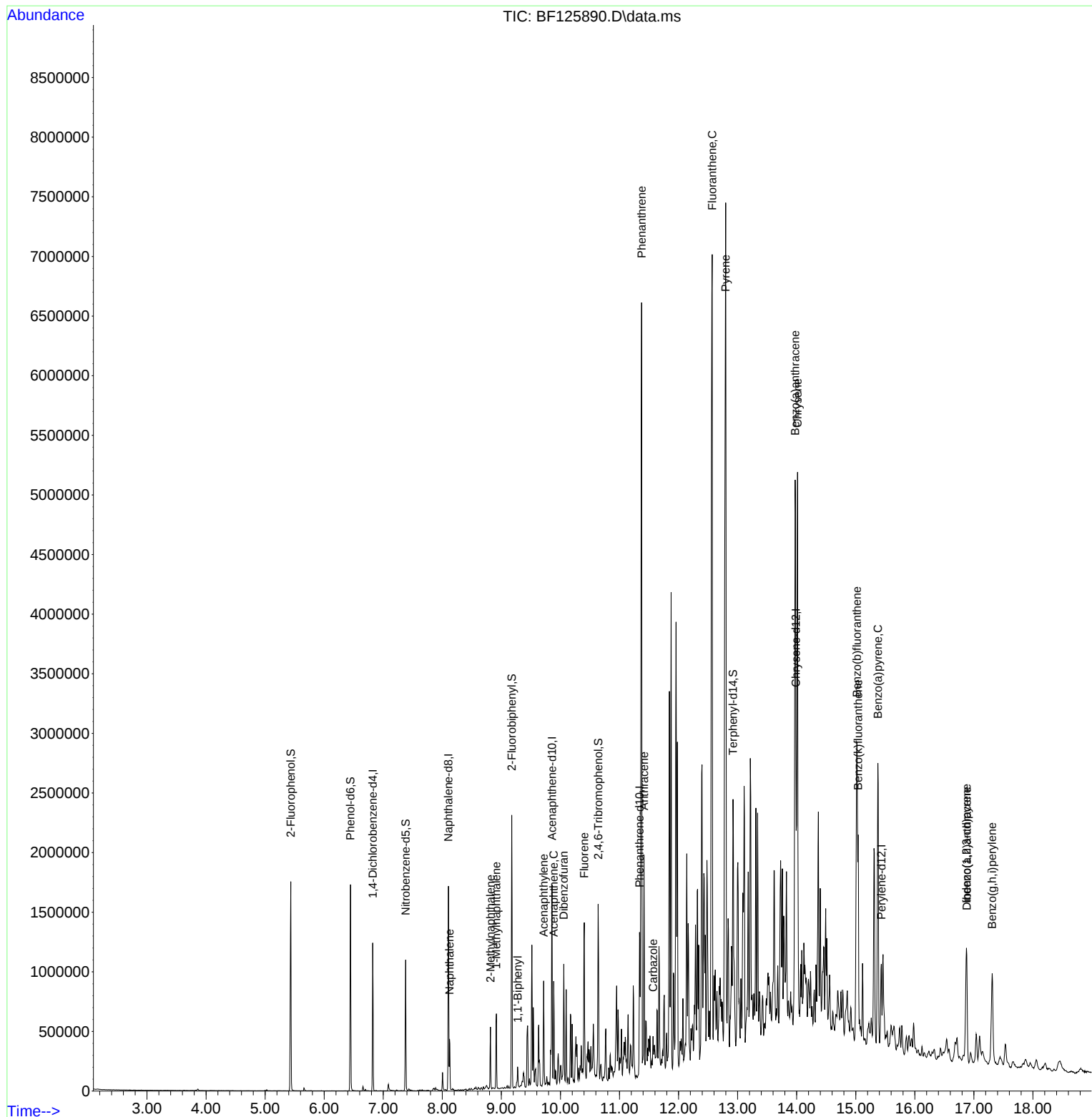
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125890.D
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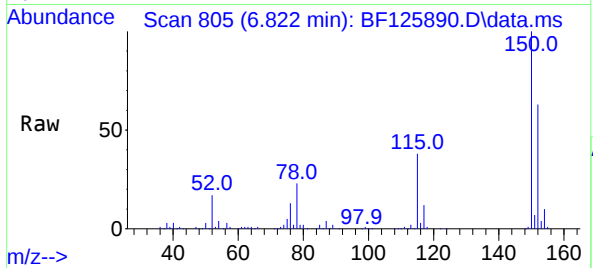
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Quant Time: Oct 19 09:09:13 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 18 12:43:03 2021
Response via : Initial Calibration

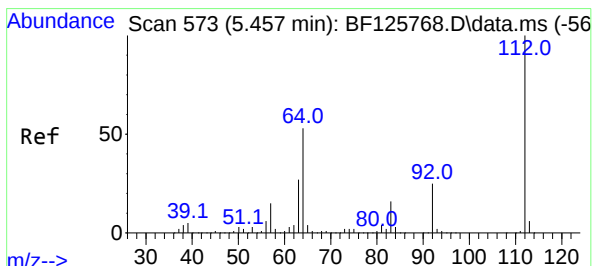
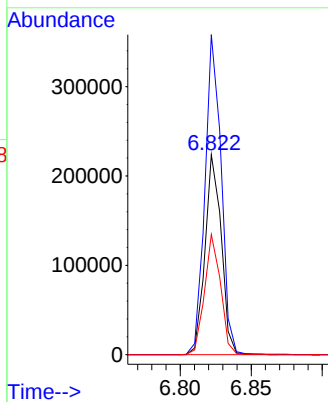
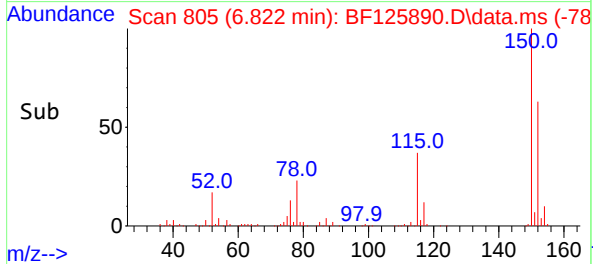




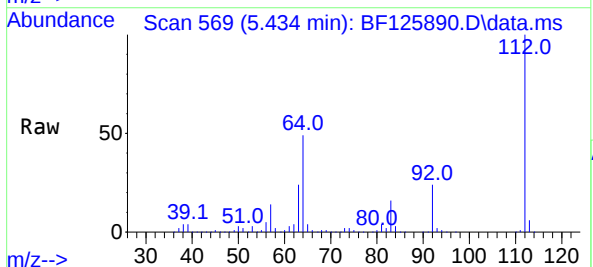
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01



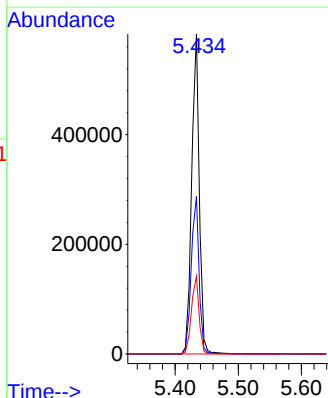
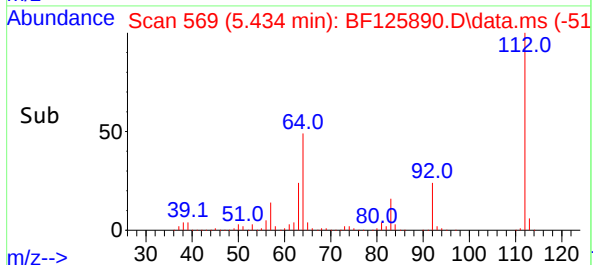
Tgt Ion:152 Resp: 178256
Ion Ratio Lower Upper
152 100
150 159.9 117.6 176.4
115 60.1 47.1 70.7



#5
2-Fluorophenol
Concen: 45.04 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01



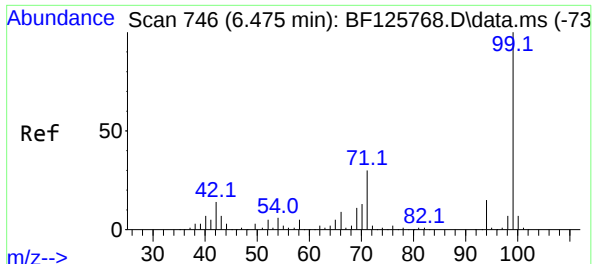
Tgt Ion:112 Resp: 491457
Ion Ratio Lower Upper
112 100
64 49.2 44.2 66.2
63 24.3 26.2 39.2#



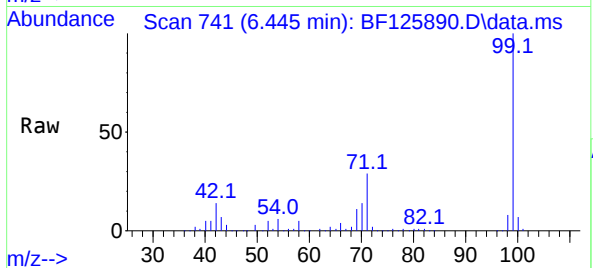
Instrument :
BNA_F
ClientSampled :
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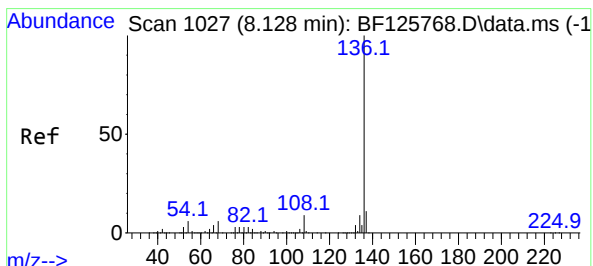
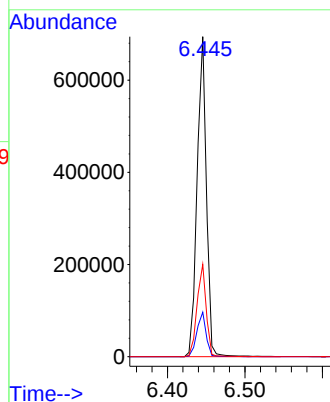
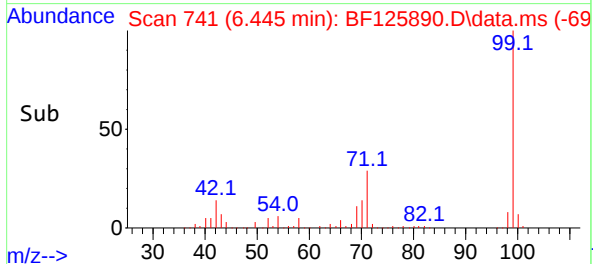
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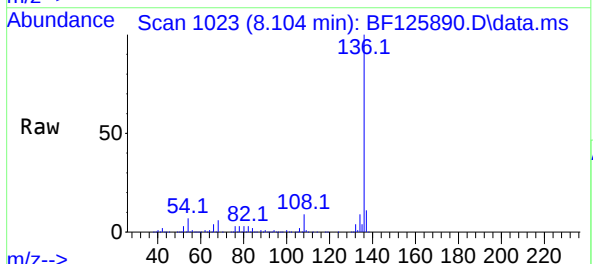
#7
Phenol-d6
Concen: 41.15 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01



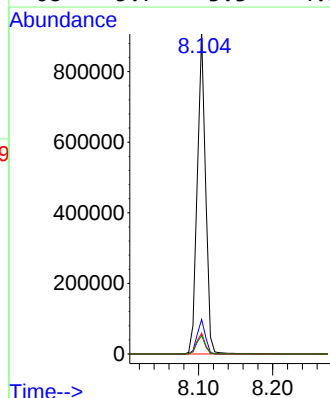
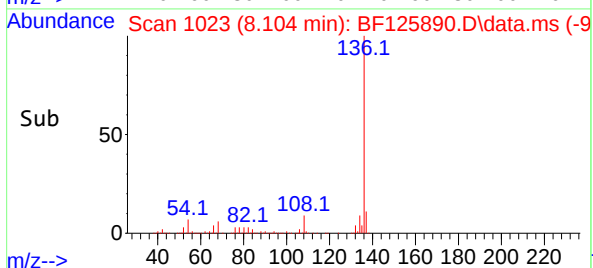
Tgt Ion: 99 Resp: 578052
Ion Ratio Lower Upper
99 100
42 13.9 23.5 35.3#
71 28.8 25.6 38.4



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01



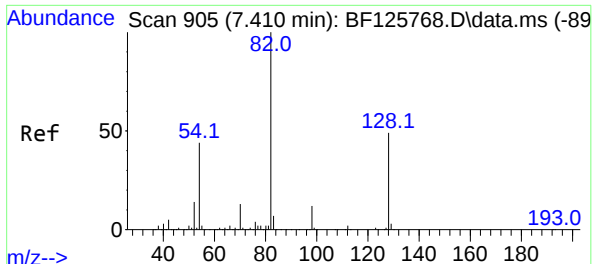
Tgt Ion: 136 Resp: 704632
Ion Ratio Lower Upper
136 100
137 10.8 9.8 14.6
54 6.5 6.4 9.6
68 5.7 3.3 4.9#



Instrument :
BNA_F
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#23

Nitrobenzene-d5

Concen: 28.62 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF125890.D

Acq: 18 Oct 2021 22:01

Tgt Ion: 82 Resp: 324479

Ion Ratio Lower Upper

82 100

128 49.5 40.6 60.8

54 42.4 49.6 74.4#

Instrument :

BNA_F

ClientSampled :

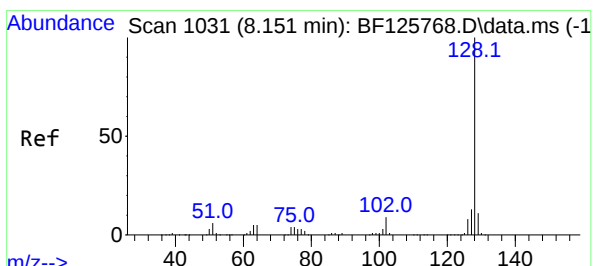
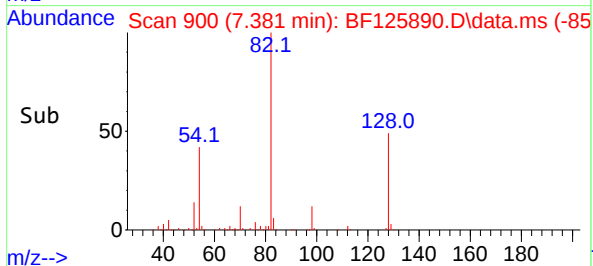
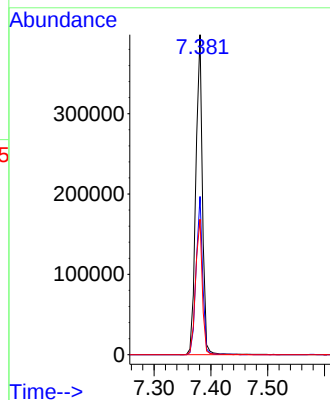
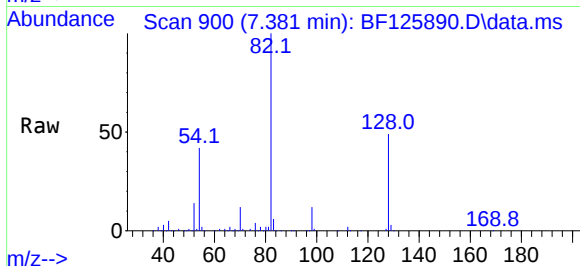
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#31

Naphthalene

Concen: 5.36 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF125890.D

Acq: 18 Oct 2021 22:01

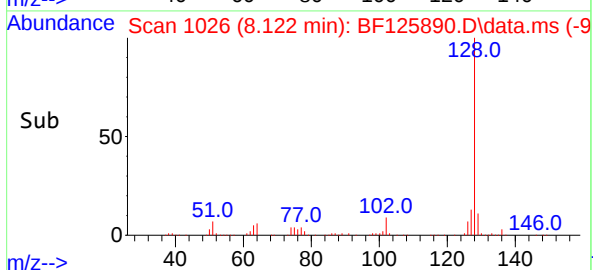
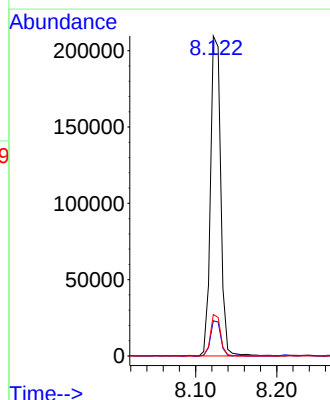
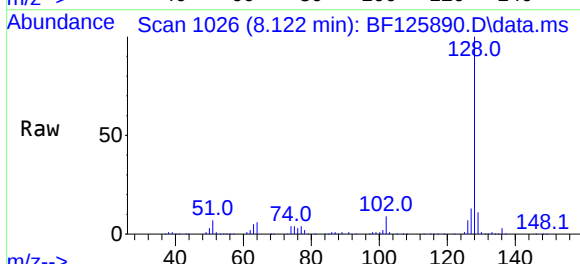
Tgt Ion:128 Resp: 182767

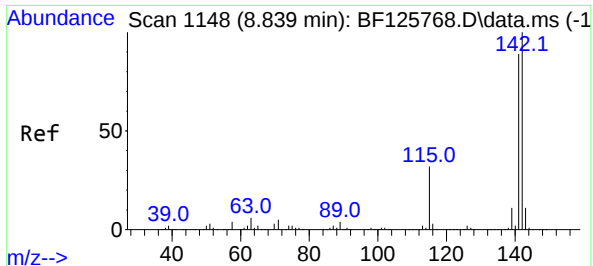
Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.0

127 13.0 10.9 16.3





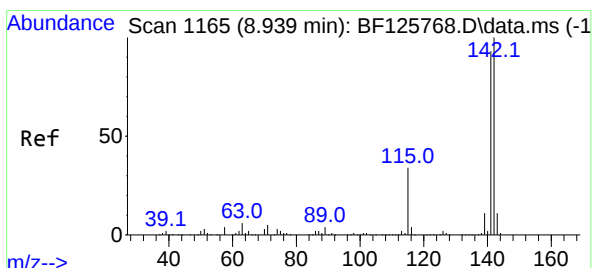
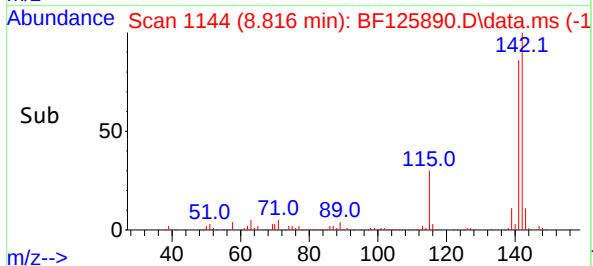
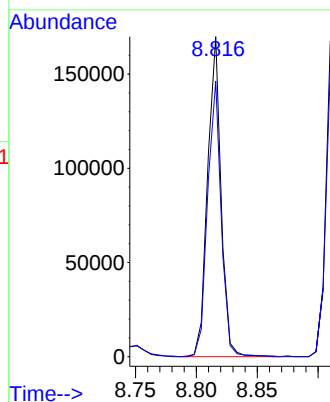
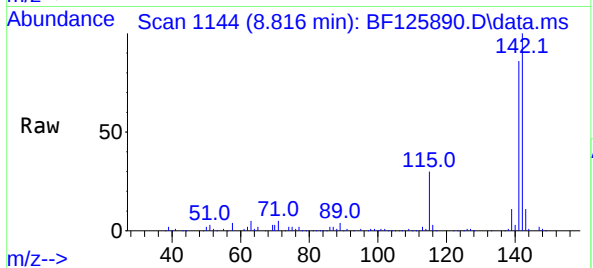
#37
2-Methylnaphthalene
Concen: 5.88 ng
RT: 8.816 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Instrument :
BNA_F
ClientSampled :
TP2-(S)

Tgt Ion:142 Resp: 129845
Ion Ratio Lower Upper
142 100
141 86.2 71.2 106.8

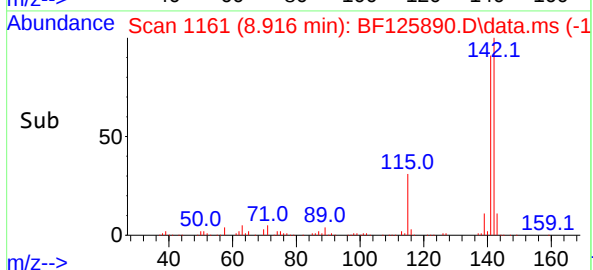
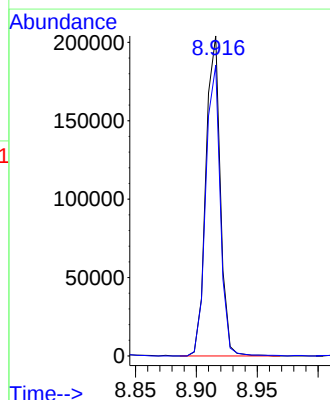
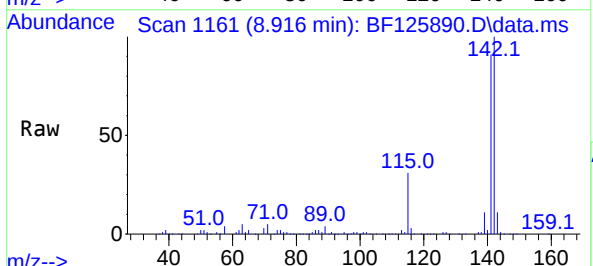
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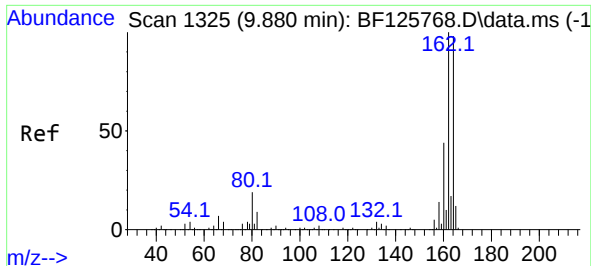
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#38
1-Methylnaphthalene
Concen: 7.84 ng
RT: 8.916 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:142 Resp: 167903
Ion Ratio Lower Upper
142 100
141 90.8 76.0 114.0





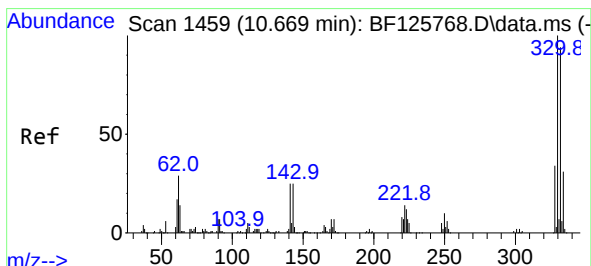
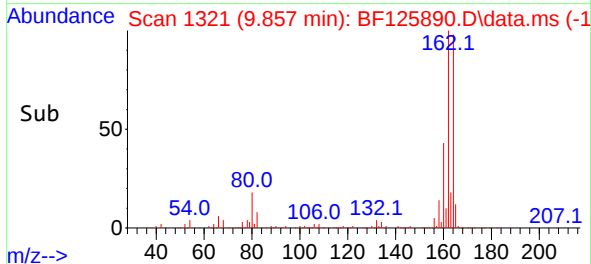
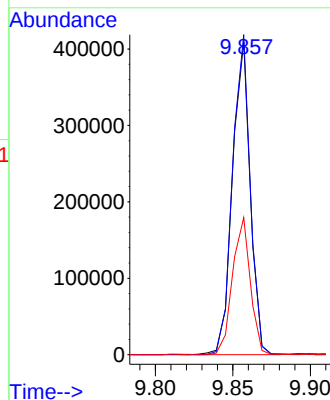
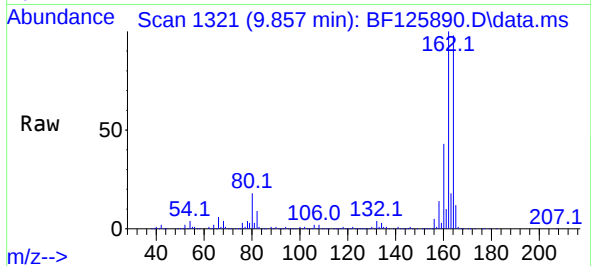
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:164 Resp: 326059
Ion Ratio Lower Upper
164 100
162 102.2 81.3 121.9
160 43.8 38.0 57.0

Instrument :
BNA_F
ClientSampled :
TP2-(S)

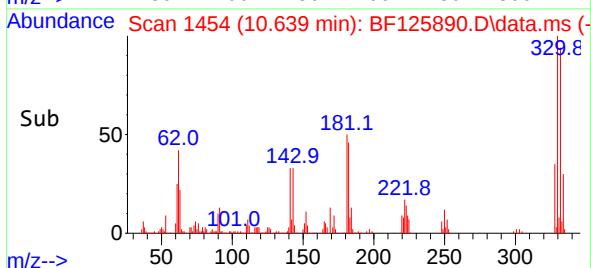
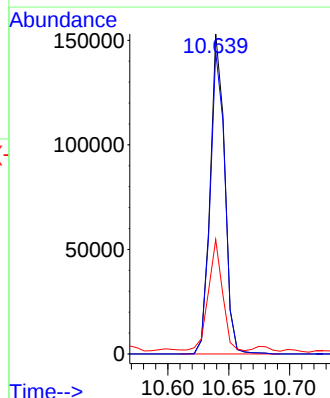
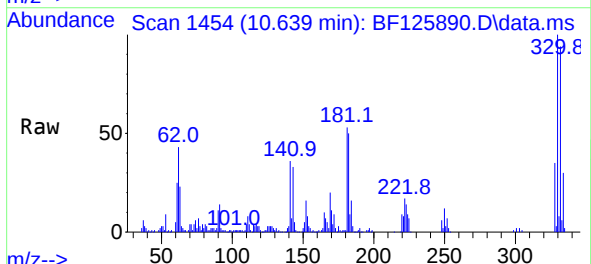
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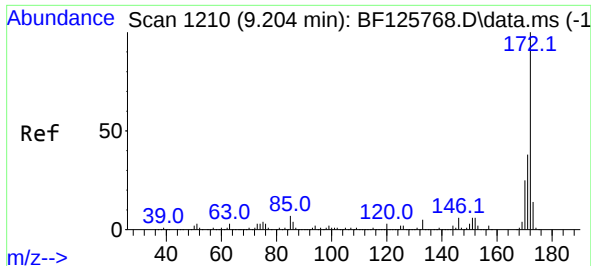
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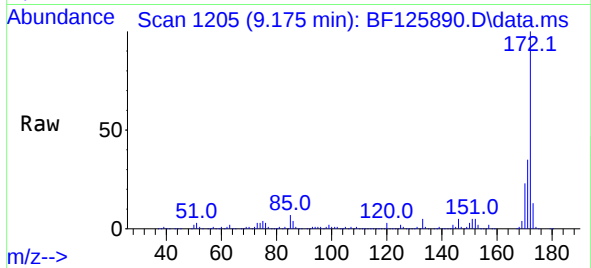
#42
2,4,6-Tribromophenol
Concen: 39.24 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:330 Resp: 126330
Ion Ratio Lower Upper
330 100
332 96.1 76.2 114.4
141 34.1 44.6 66.8#

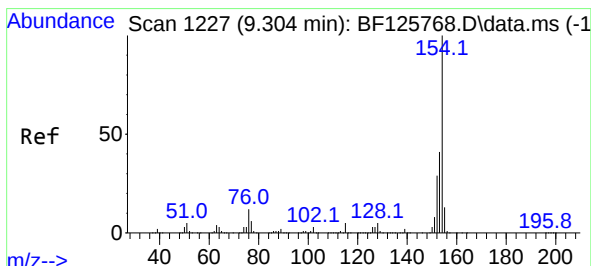
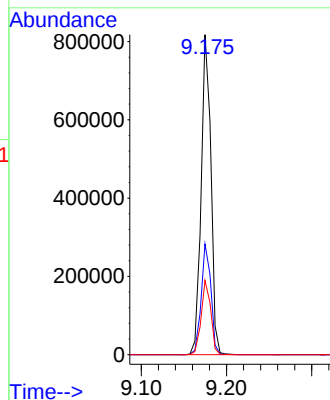
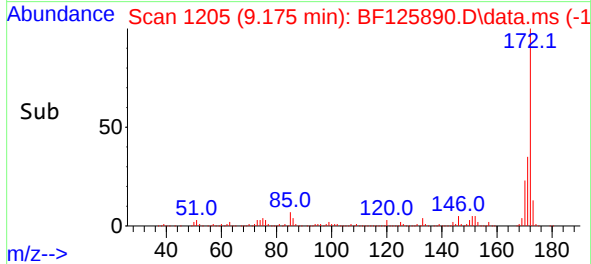




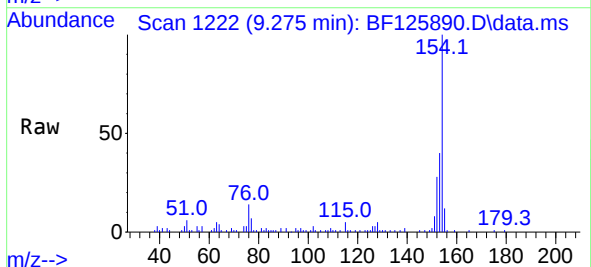
#45
2-Fluorobiphenyl
Concen: 34.40 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01



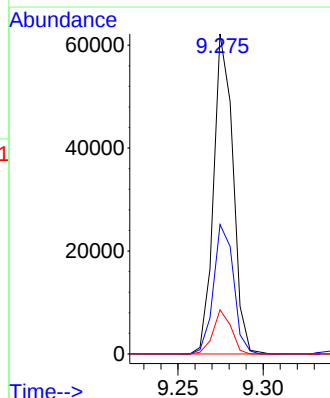
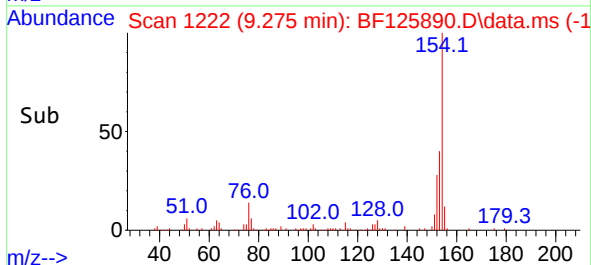
Tgt Ion:172 Resp: 650337
Ion Ratio Lower Upper
172 100
171 34.6 26.5 39.7
170 23.2 18.8 28.2



#46
1,1'-Biphenyl
Concen: 2.05 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01



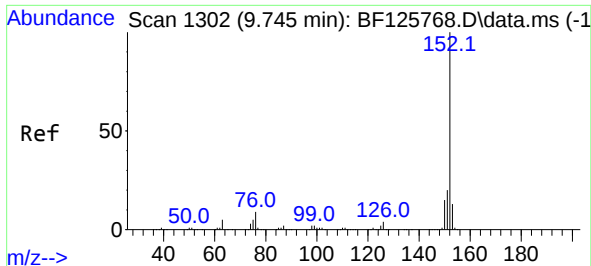
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Ion Ratio Lower Upper
154 100
153 40.4 20.0 60.0
76 13.8 0.0 30.3



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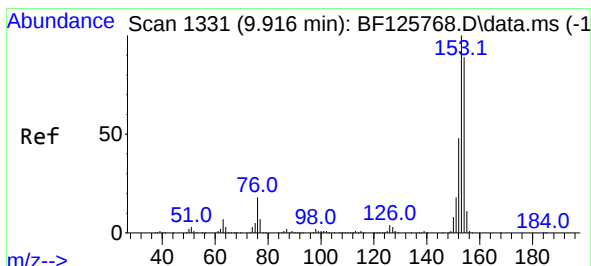
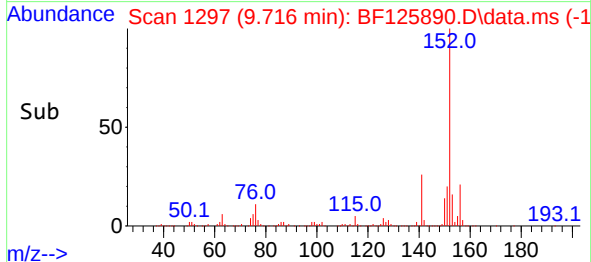
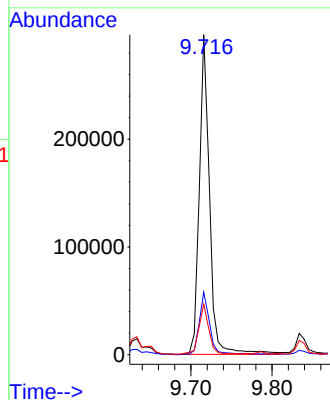
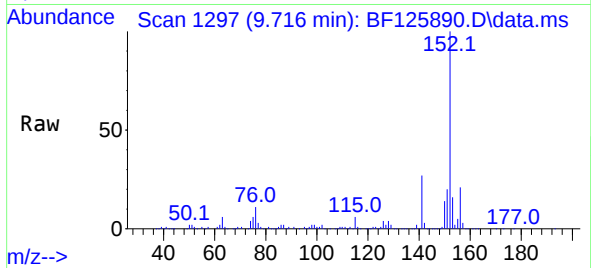
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Acenaphthylene
Concen: 9.15 ng
RT: 9.716 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:152 Resp: 260868
Ion Ratio Lower Upper
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151 19.6 15.7 23.5
153 15.8 9.8 14.8#

Instrument :
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TP2-(S)

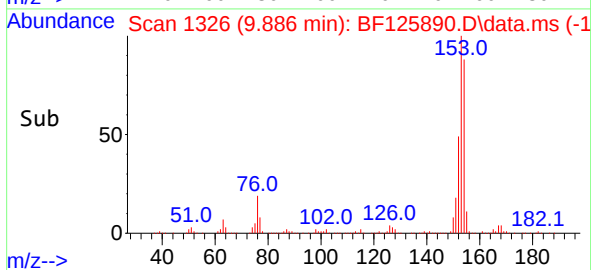
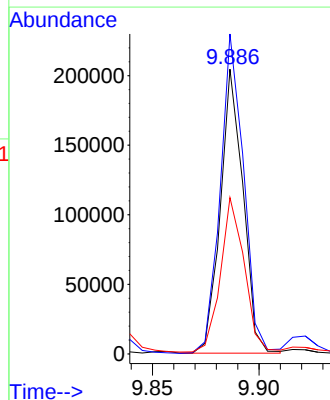
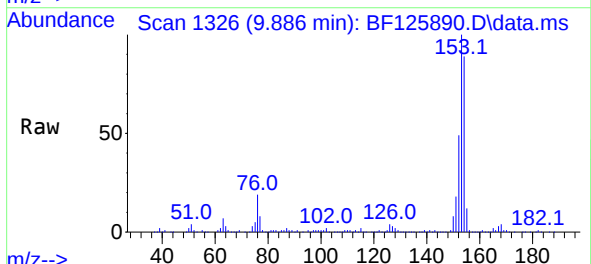
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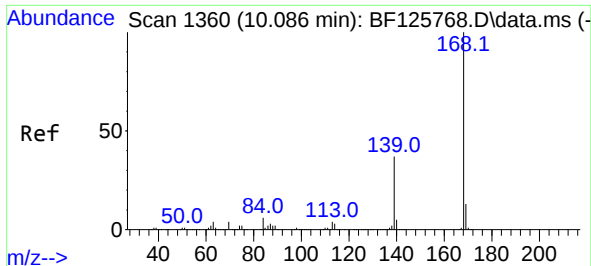
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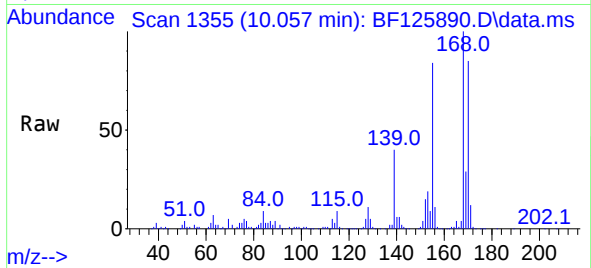
#52
Acenaphthene
Concen: 8.45 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:154 Resp: 150496
Ion Ratio Lower Upper
154 100
153 112.4 89.4 134.2
152 54.9 40.5 60.7

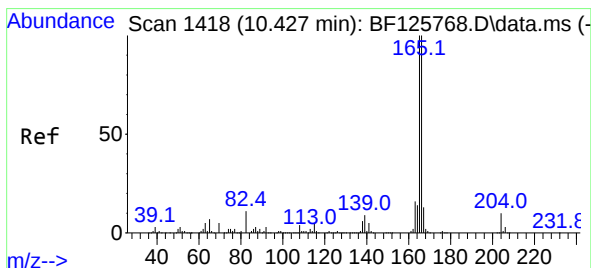
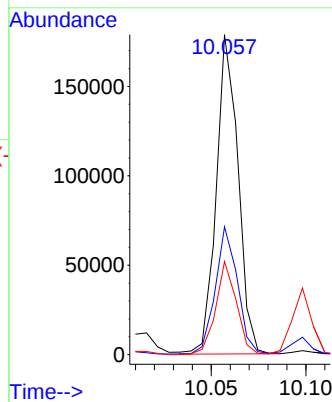
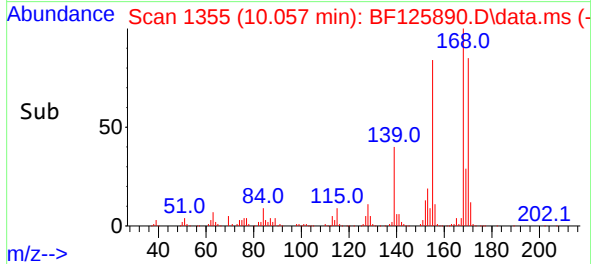




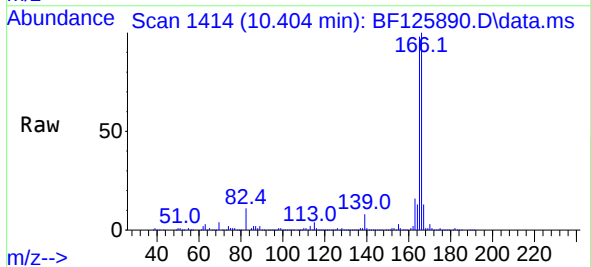
#55
Dibenzenofuran
Concen: 5.36 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01



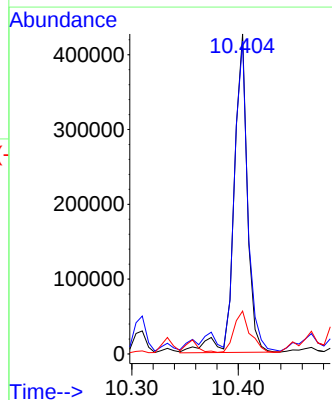
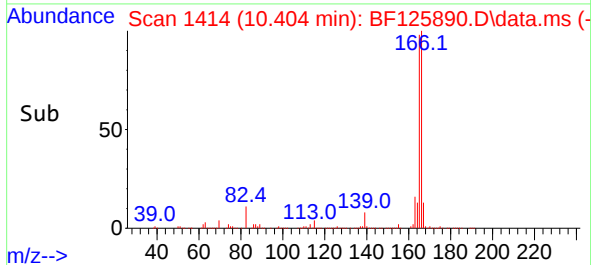
Tgt Ion:168 Resp: 142891
Ion Ratio Lower Upper
168 100
139 39.9 32.7 49.1
169 29.1 11.2 16.8#



#58
Fluorene
Concen: 18.99 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01



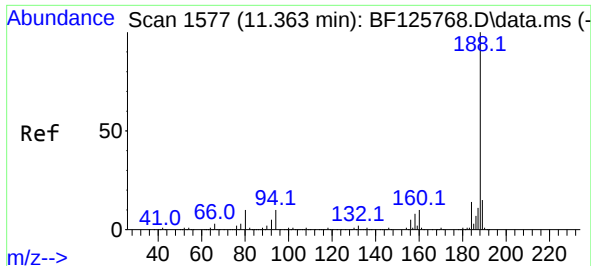
Tgt Ion:166 Resp: 370954
Ion Ratio Lower Upper
166 100
165 97.8 78.1 117.1
167 13.4 11.1 16.7



Instrument :
BNA_F
ClientSampled :
TP2-(S)

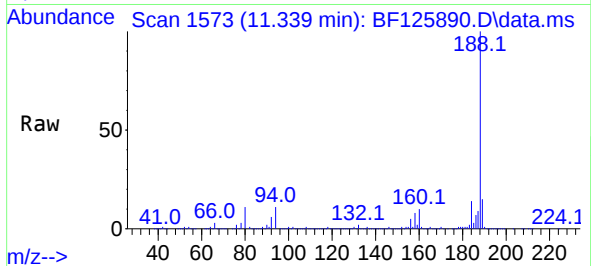
Manual Integrations
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

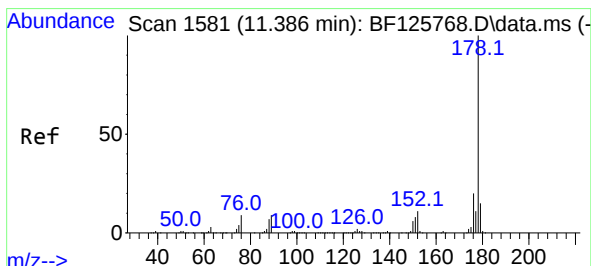
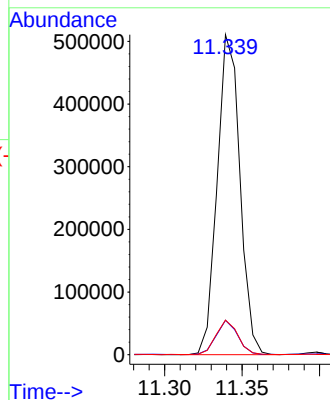
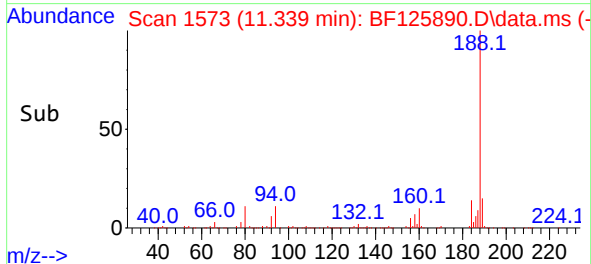
Instrument :
BNA_F
ClientSampled :
TP2-(S)



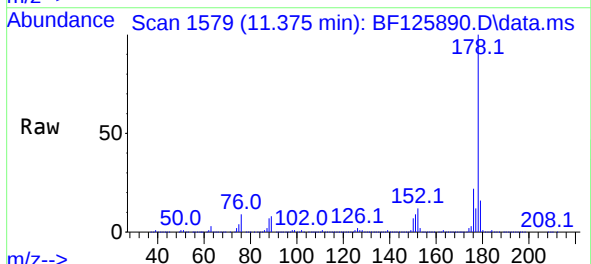
Tgt Ion:188 Resp: 519896
Ion Ratio Lower Upper
188 100
94 10.7 6.7 10.1#
80 10.8 7.5 11.3

Manual Integrations
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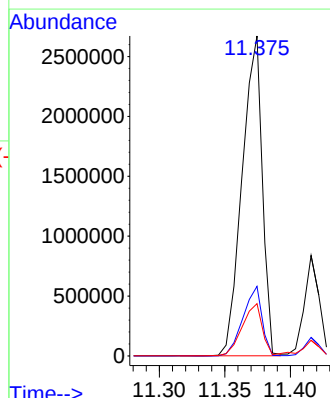
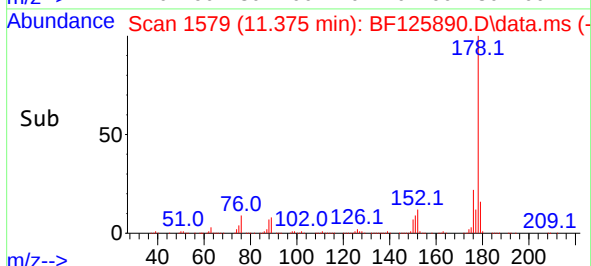
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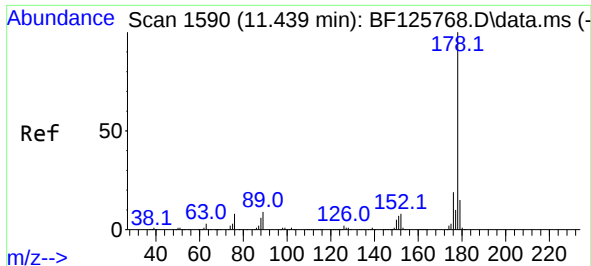


#71
Phenanthrene
Concen: 102.48 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01



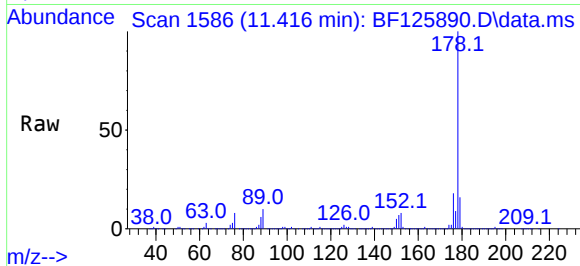
Tgt Ion:178 Resp: 2850603
Ion Ratio Lower Upper
178 100
176 21.7 14.7 22.1
179 16.3 11.5 17.3





#72
 Anthracene
 Concen: 22.86 ng
 RT: 11.416 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF125890.D
 Acq: 18 Oct 2021 22:01

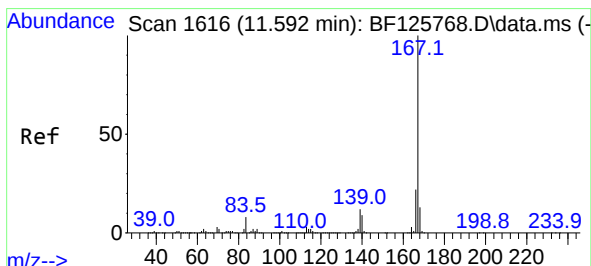
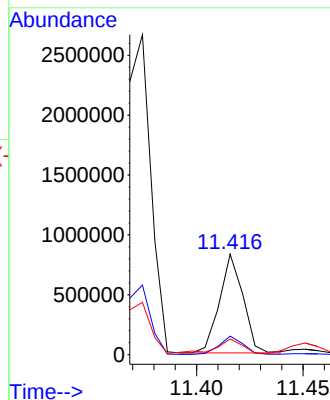
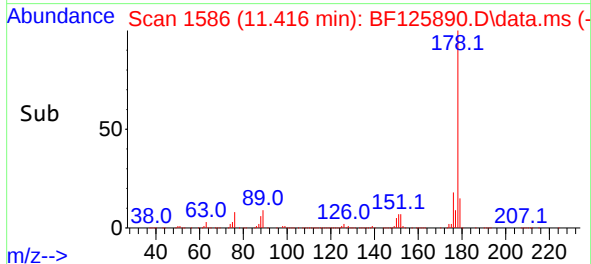
Instrument :
 BNA_F
 ClientSampled :
 TP2-(S)



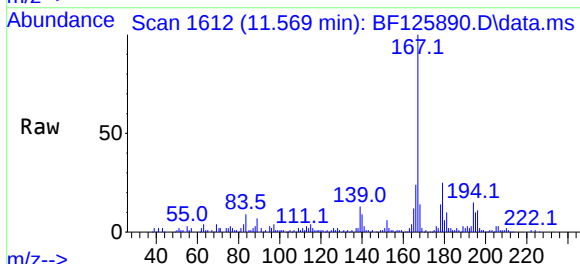
Tgt Ion:178 Resp: 635071
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.3 21.5
 179 15.5 12.2 18.4

Manual Integrations
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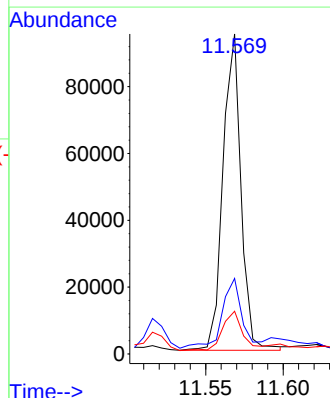
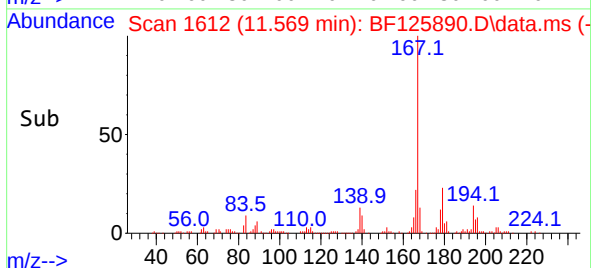
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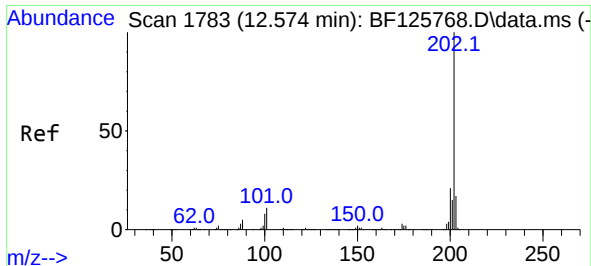


#73
 Carbazole
 Concen: 2.96 ng
 RT: 11.569 min Scan# 1612
 Delta R.T. 0.000 min
 Lab File: BF125890.D
 Acq: 18 Oct 2021 22:01



Tgt Ion:167 Resp: 76543
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.4 26.0
 139 13.4 11.0 16.4





#75
Fluoranthene
Concen: 135.92 ng
RT: 12.569 min Scan# 1782
Delta R.T. 0.018 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

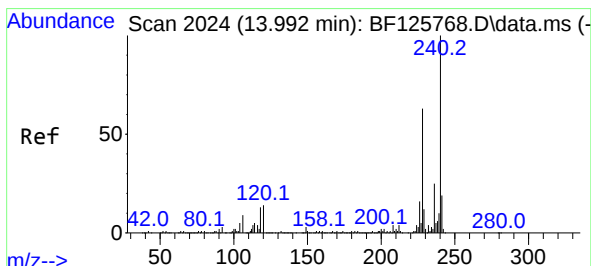
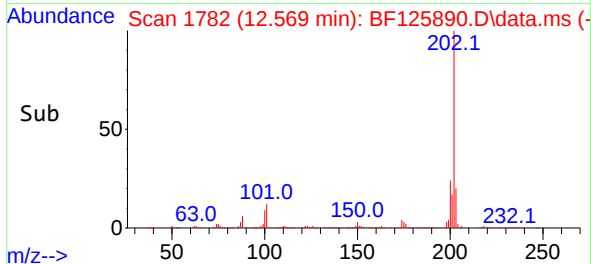
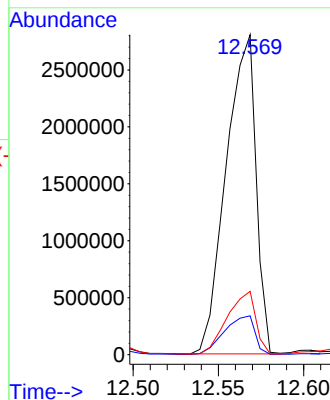
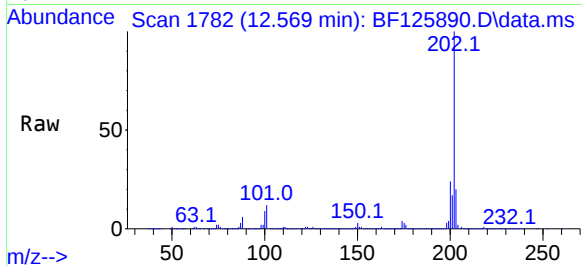
Tgt Ion:202 Resp: 3411468

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	30.7
203	19.8	0.0	36.3

Instrument :
BNA_F
ClientSampled :
TP2-(S)

Manual Integrations
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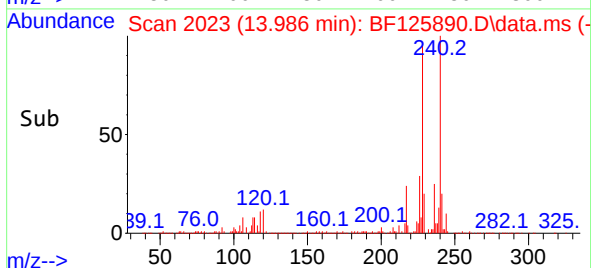
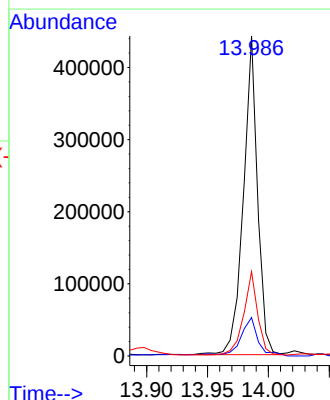
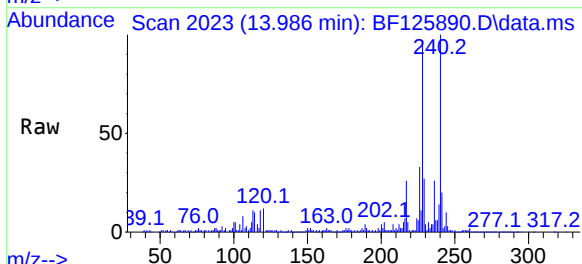
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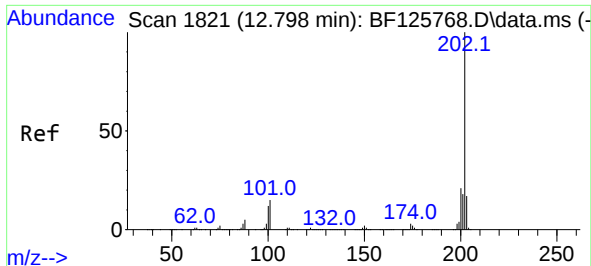


#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:240 Resp: 358430

Ion	Ratio	Lower	Upper
240	100		
120	12.0	10.8	16.2
236	26.3	21.6	32.4





#78
Pyrene
Concen: 106.29 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.018 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

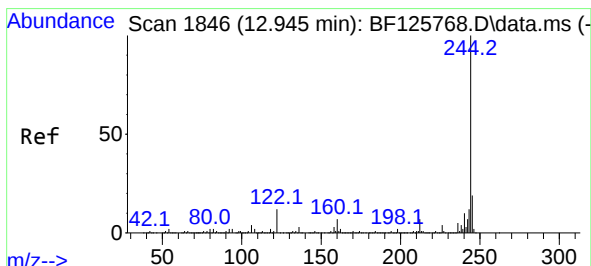
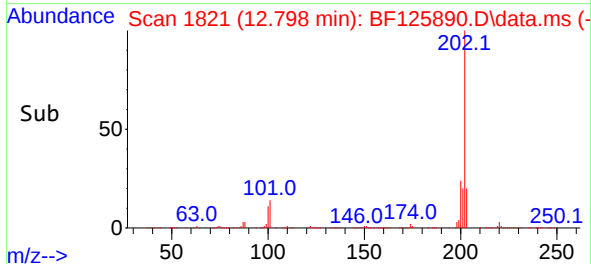
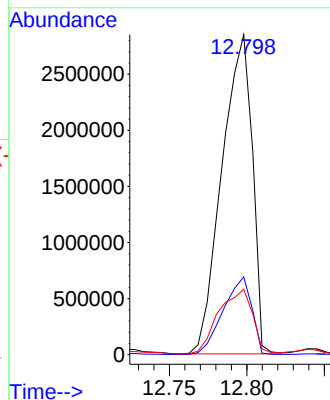
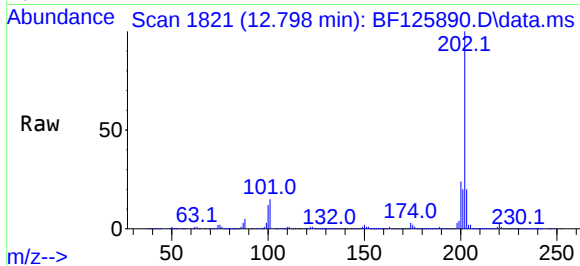
Tgt Ion:202 Resp: 3870293

Ion	Ratio	Lower	Upper
202	100		
200	24.3	15.3	22.9#
203	20.4	13.4	20.0#

Instrument :
BNA_F
ClientSampleId :
TP2-(S)

Manual Integrations
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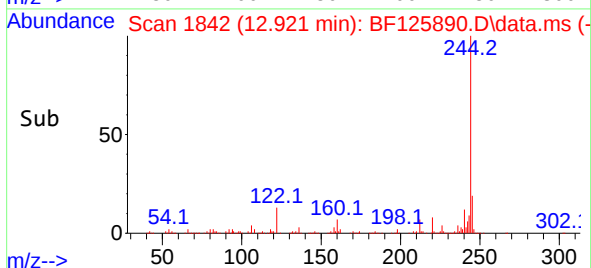
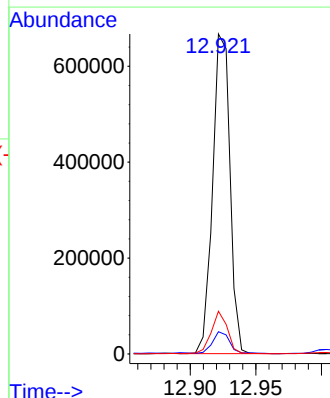
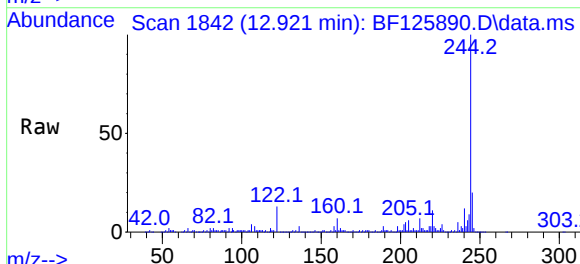
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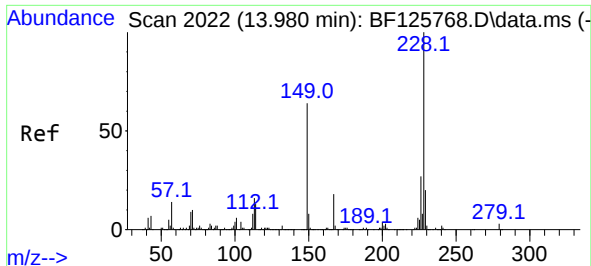


#79
Terphenyl-d14
Concen: 26.06 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:244 Resp: 613200

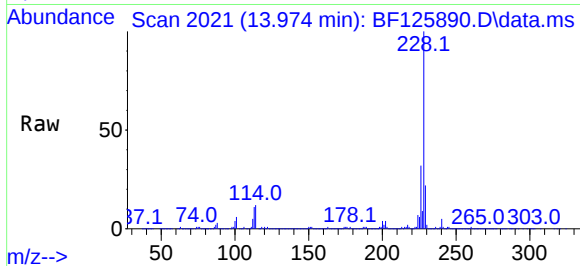
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	13.4	9.0	13.4





#81
Benzo(a)anthracene
Concen: 91.78 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

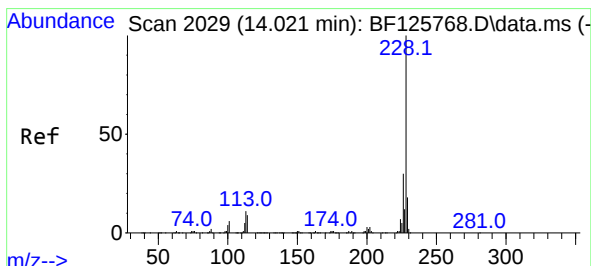
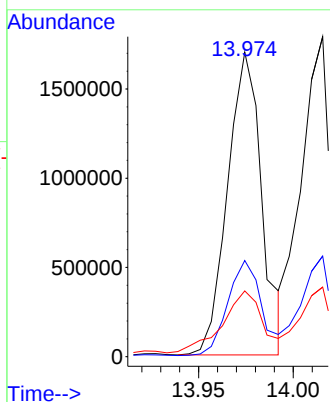
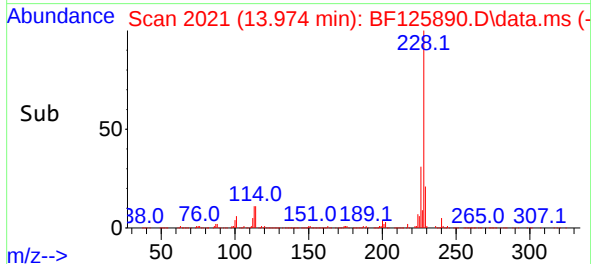
Instrument :
BNA_F
ClientSampled :
TP2-(S)



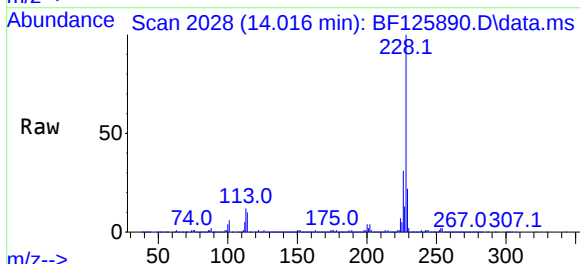
Tgt Ion:228 Resp: 2134347
Ion Ratio Lower Upper
228 100
226 31.6 21.6 32.4
229 21.6 15.6 23.4

Manual Integrations
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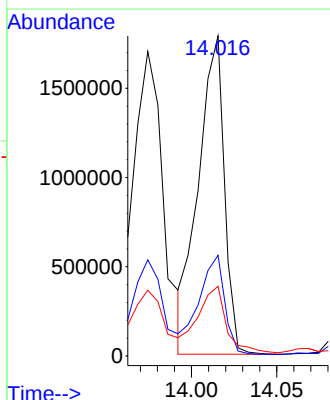
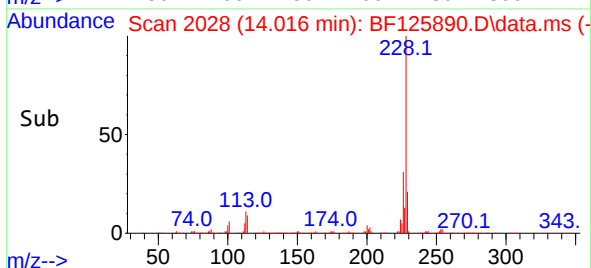
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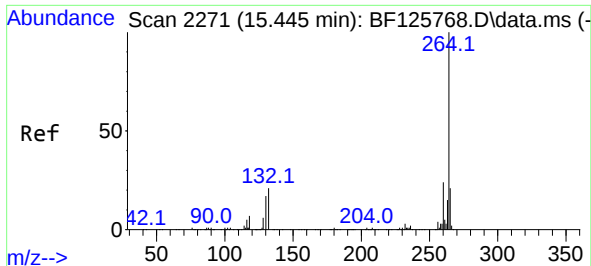


#83
Chrysene
Concen: 82.33 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01



Tgt Ion:228 Resp: 1892370
Ion Ratio Lower Upper
228 100
226 31.4 22.6 34.0
229 21.8 15.9 23.9





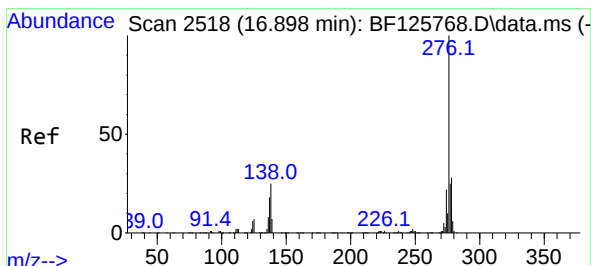
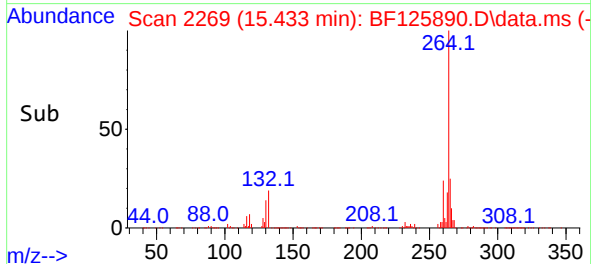
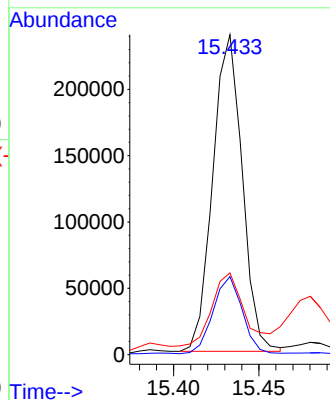
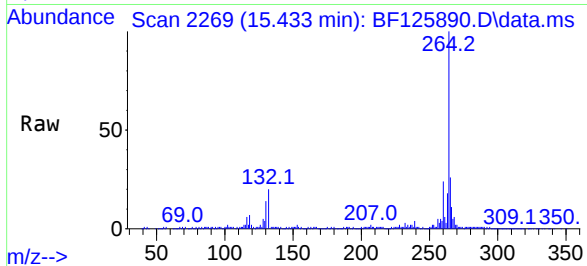
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion: 264 Resp: 286338
Ion Ratio Lower Upper
264 100
260 24.4 19.6 29.4
265 25.6 17.2 25.8

Instrument :
BNA_F
ClientSampled :
TP2-(S)

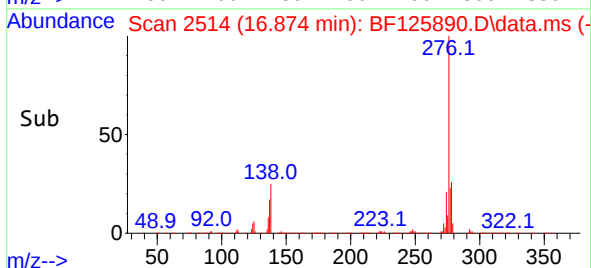
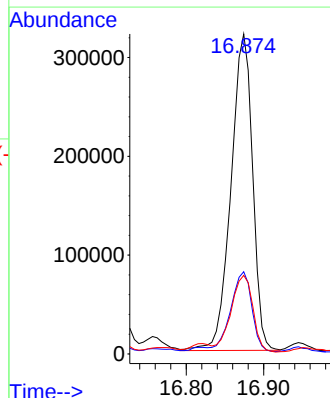
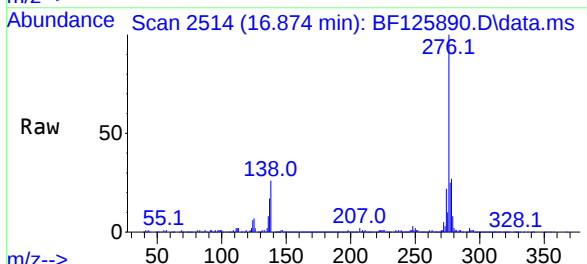
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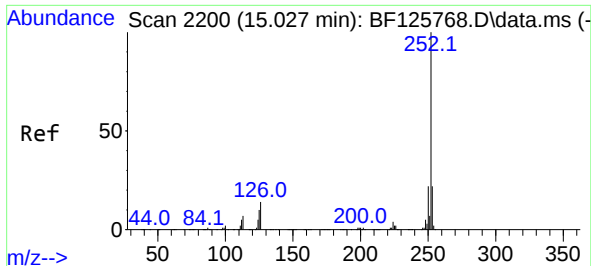
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#87
Indeno(1,2,3-cd)pyrene
Concen: 28.43 ng
RT: 16.874 min Scan# 2514
Delta R.T. 0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion: 276 Resp: 621232
Ion Ratio Lower Upper
276 100
138 25.6 24.1 36.1
277 24.6 18.8 28.2





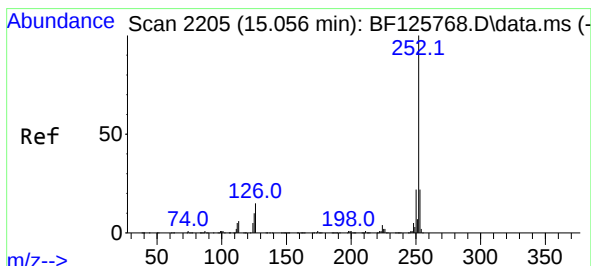
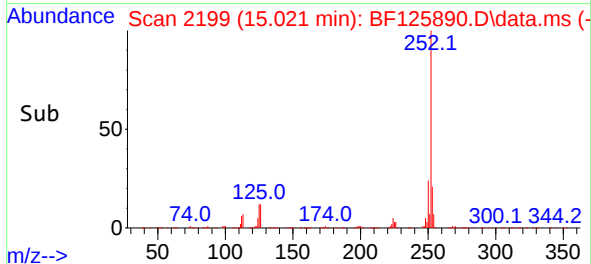
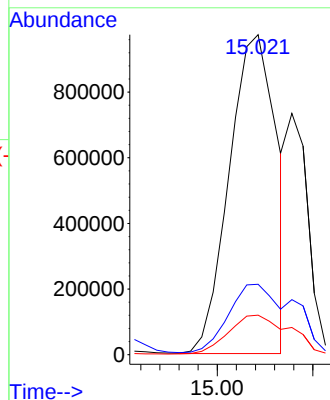
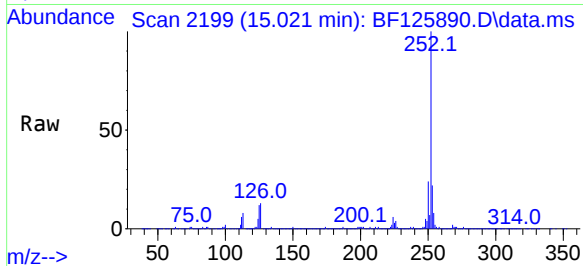
#88
Benzo(b)fluoranthene
Concen: 102.69 ng m
RT: 15.021 min Scan# 2199
Delta R.T. 0.018 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:252 Resp: 1660127
Ion Ratio Lower Upper
252 100
253 22.0 16.8 25.2
125 12.3 9.8 14.8

Instrument :
BNA_F
ClientSampled :
TP2-(S)

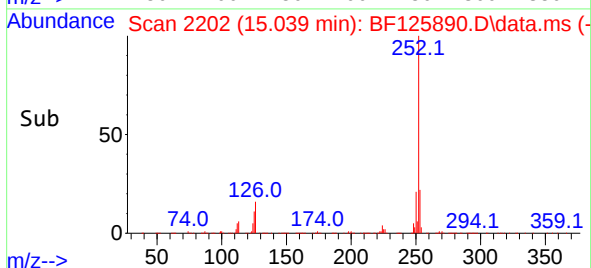
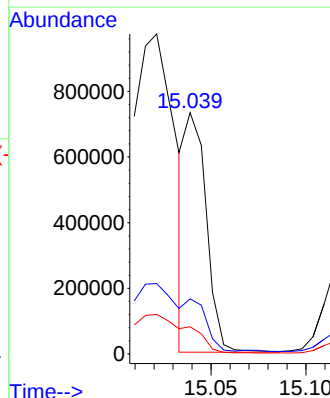
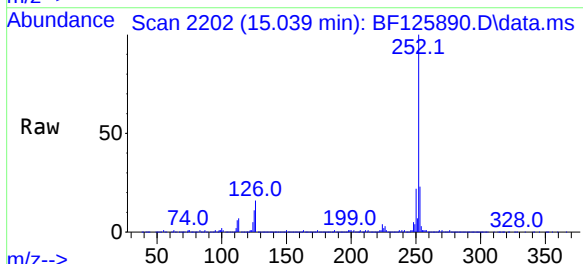
Manual Integrations
APPROVED

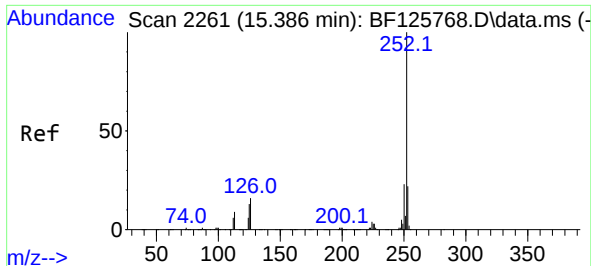
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#89
Benzo(k)fluoranthene
Concen: 33.70 ng m
RT: 15.039 min Scan# 2202
Delta R.T. 0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:252 Resp: 559314
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 11.3 7.2 10.8#





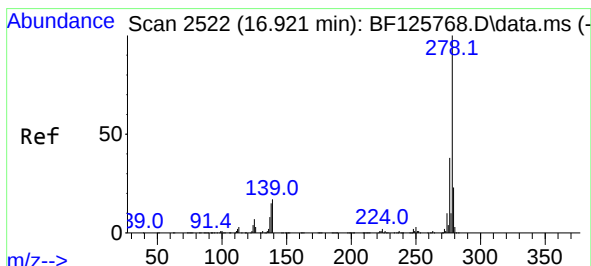
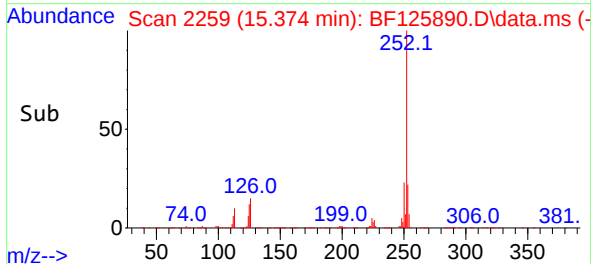
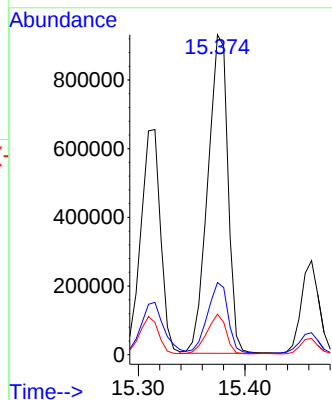
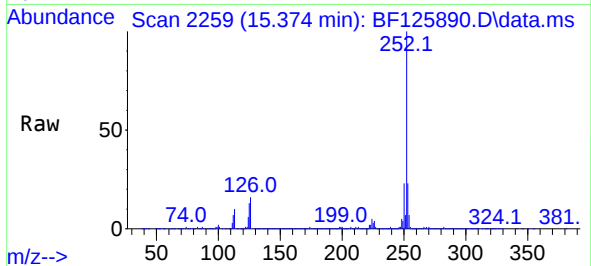
#90
Benzo(a)pyrene
Concen: 85.11 ng
RT: 15.374 min Scan# 2259
Delta R.T. 0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:252 Resp: 1218355
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 12.7 9.9 14.9

Instrument :
BNA_F
ClientSampled :
TP2-(S)

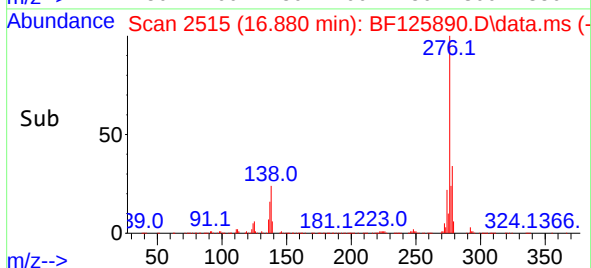
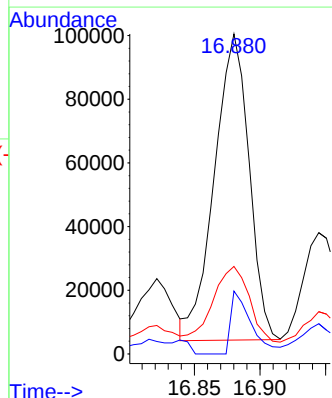
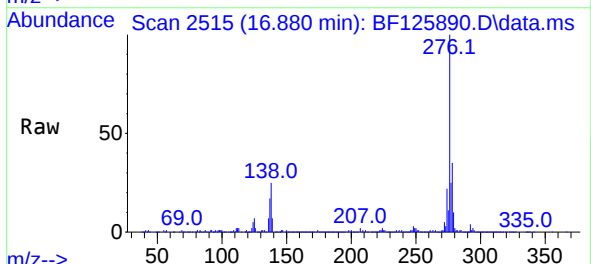
Manual Integrations
APPROVED

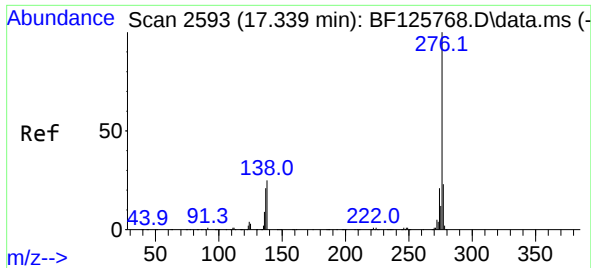
mohammad
10/19/2021 12:10:04 PM



#91
Dibenzo(a,h)anthracene
Concen: 9.81 ng
RT: 16.880 min Scan# 2515
Delta R.T. 0.000 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:278 Resp: 176801
Ion Ratio Lower Upper
278 100
139 19.6 14.9 22.3
279 27.4 19.7 29.5





#92
Benzo(g,h,i)perylene
Concen: 32.79 ng
RT: 17.309 min Scan# 2588
Delta R.T. 0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:276 Resp: 603630
Ion Ratio Lower Upper
276 100
277 23.7 22.0 33.0
138 24.5 22.2 33.4

Instrument :
BNA_F
ClientSampled :
TP2-(S)

Manual Integrations
APPROVED

mohammad
10/19/2021 12:10:04 PM

