

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
 Data File : BF123669.D
 Acq On : 21 Apr 2021 16:13
 Operator : JU/CG
 Sample : M2077-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-20-14.5-15.0-DUP

Manual Integrations
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Quant Time: Apr 21 18:11:28 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 20 15:49:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	204471	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	770943	20.00	ng	# 0.00
39) Acenaphthene-d10	9.892	164	368194	20.00	ng	0.00
64) Phenanthrene-d10	11.380	188	651746	20.00	ng	0.00
76) Chrysene-d12	14.027	240	452925	20.00	ng	0.00
86) Perylene-d12	15.510	264	476362	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1211638	95.78	ng	0.00
7) Phenol-d6	6.481	99	1536369	87.64	ng	-0.01
23) Nitrobenzene-d5	7.410	82	1076211	64.17	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	378275	90.73	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1549874	62.75	ng	0.00
79) Terphenyl-d14	12.974	244	1282264	55.02	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.157	128	527438	13.28	ng	99
37) 2-Methylnaphthalene	8.851	142	439892	16.89	ng	98
38) 1-Methylnaphthalene	8.945	142	259162	10.52	ng	97
46) 1,1'-Biphenyl	9.310	154	84641	2.94	ng	97
50) Dimethylphthalate	9.604	163	66205	2.60	ng	99
52) Acenaphthene	9.928	154	287739	12.64	ng	97
55) Dibenzofuran	10.098	168	402791	12.34	ng	96
58) Fluorene	10.439	166	397282	15.48	ng	100
71) Phenanthrene	11.410	178	1351265	39.73	ng	100
72) Anthracene	11.457	178	166728	4.90	ng	97
73) Carbazole	11.610	167	133253	3.93	ng	99
75) Fluoranthene	12.610	202	718297	19.22	ng	98
78) Pyrene	12.827	202	501580	15.17	ng	99
81) Benzo(a)anthracene	14.016	228	125128	4.51	ng	95
83) Chrysene	14.051	228	104834	3.76	ng	97
88) Benzo(b)fluoranthene	15.074	252	100607m	2.99	ng	
90) Benzo(a)pyrene	15.445	252	69776	2.61	ng	# 96

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

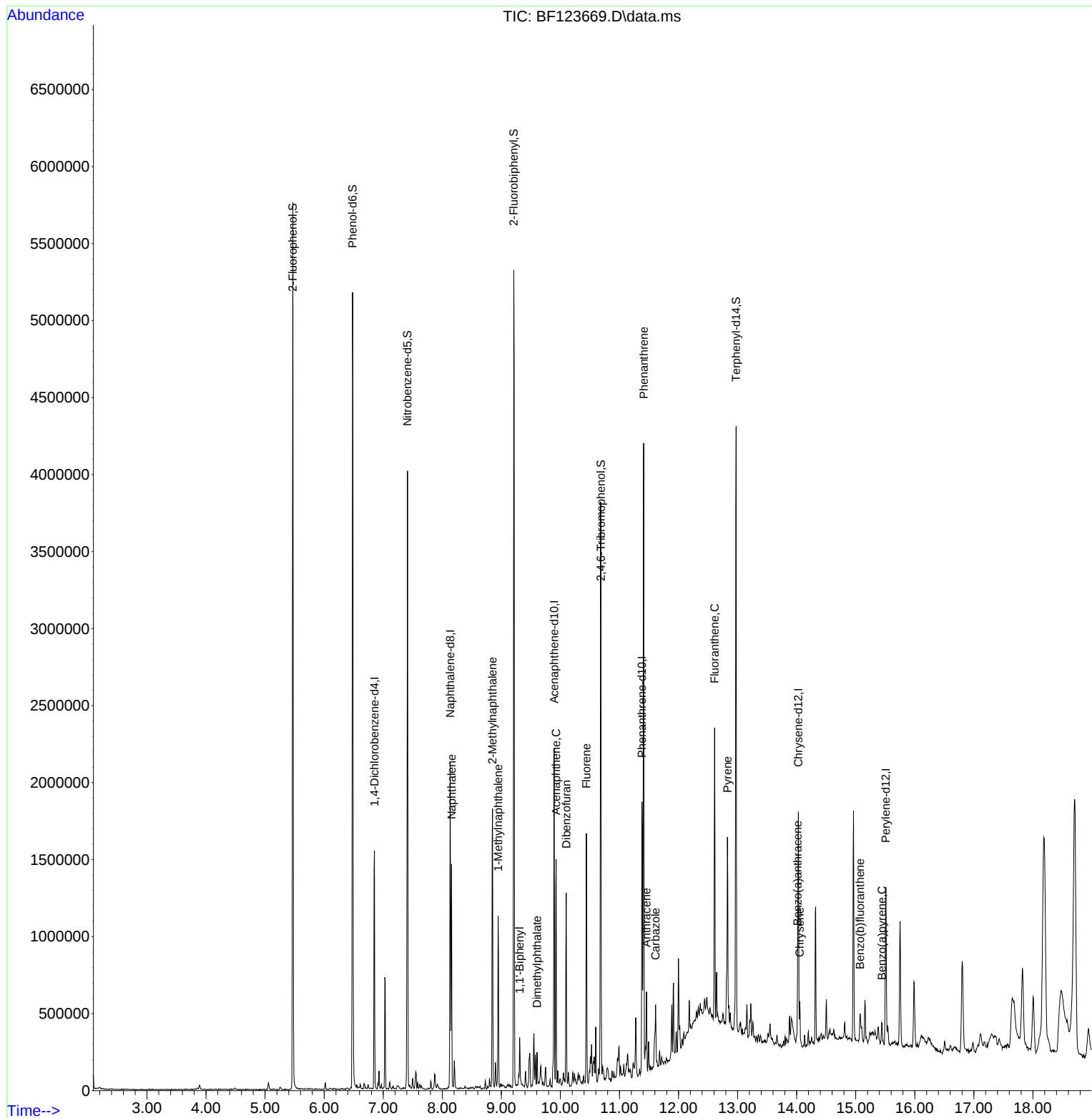
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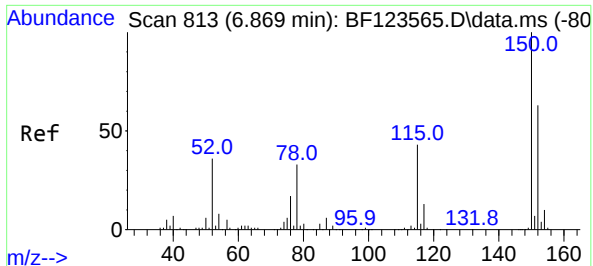
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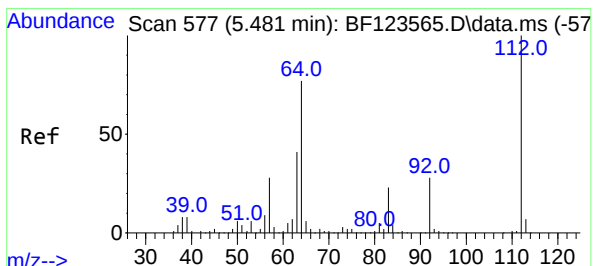
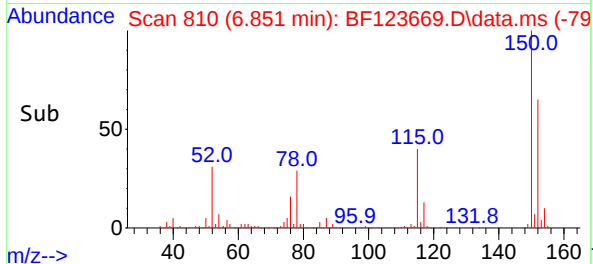
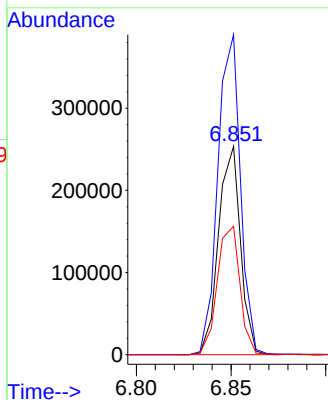
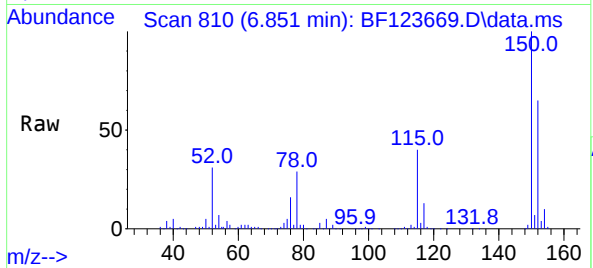
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:152 Resp: 204471
Ion Ratio Lower Upper
152 100
150 153.6 127.0 190.6
115 61.7 54.3 81.5

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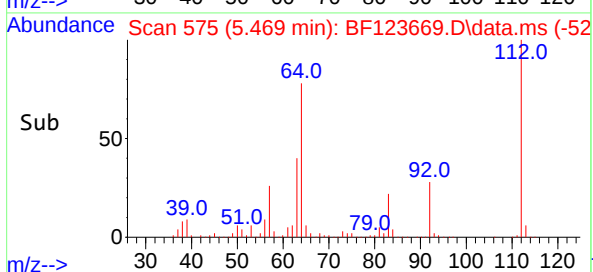
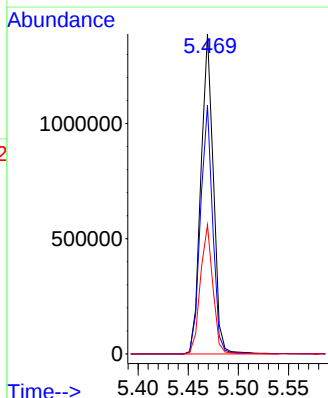
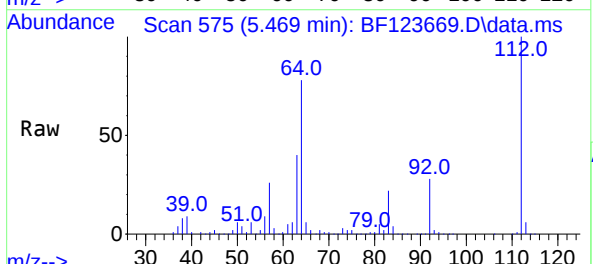
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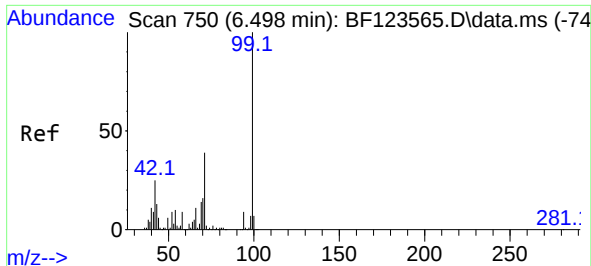
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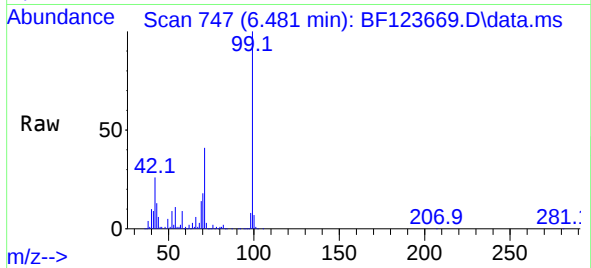
#5
2-Fluorophenol
Concen: 95.78 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:112 Resp: 1211638
Ion Ratio Lower Upper
112 100
64 77.7 61.4 92.0
63 40.4 33.0 49.4



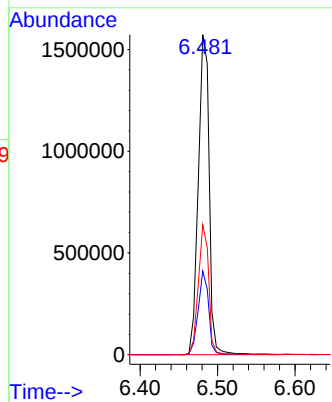


#7
Phenol-d6
Concen: 87.64 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13



Tgt Ion: 99 Resp: 1536369

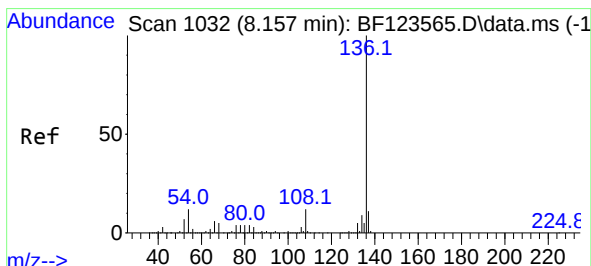
Ion	Ratio	Lower	Upper
99	100		
42	26.2	19.8	29.8
71	40.6	31.1	46.7



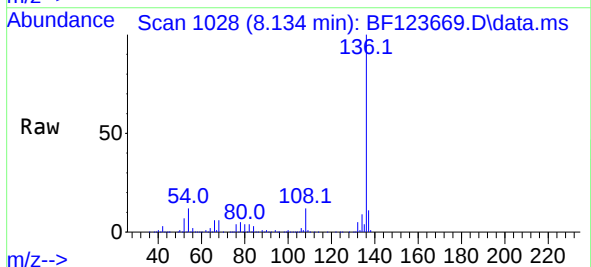
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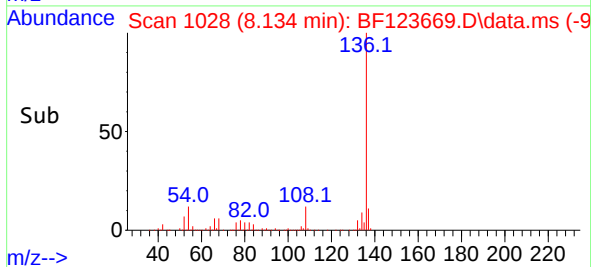
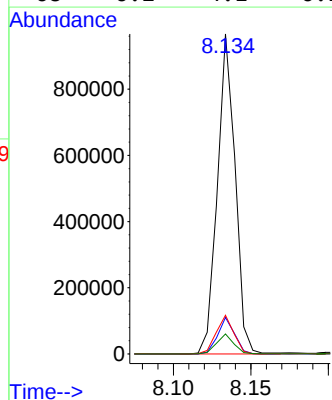


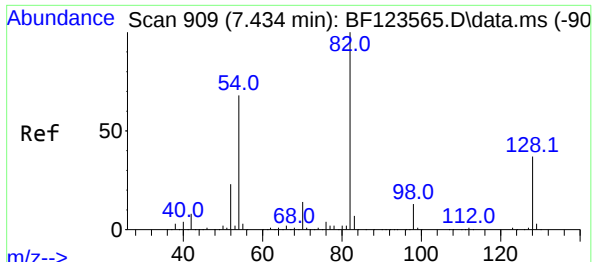
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13



Tgt Ion: 136 Resp: 770943

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	12.1	9.8	14.6
68	6.2	4.1	6.1





#23
Nitrobenzene-d5
Concen: 64.17 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

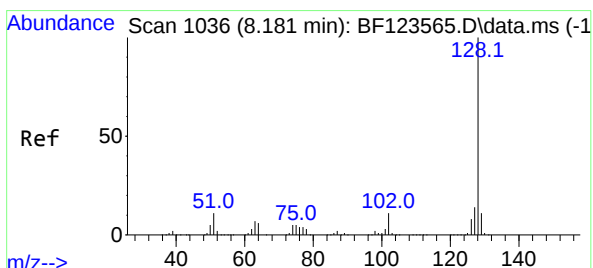
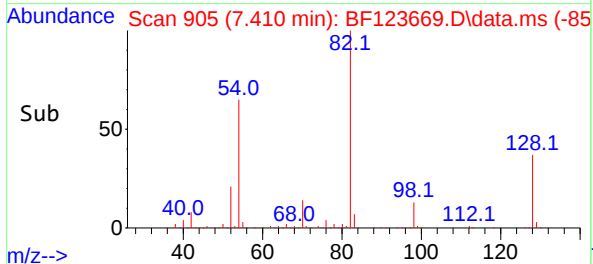
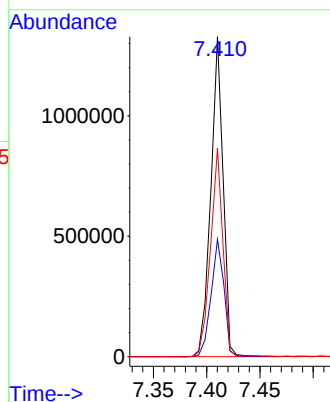
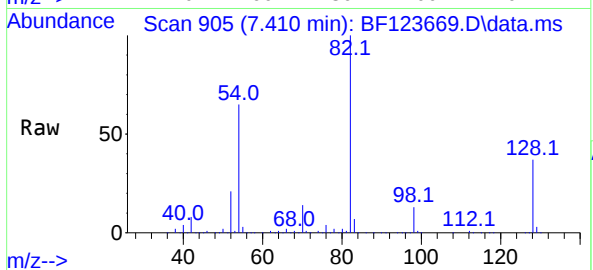
Tgt Ion: 82 Resp: 1076211

Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.4	44.2
54	65.1	54.1	81.1

Instrument :
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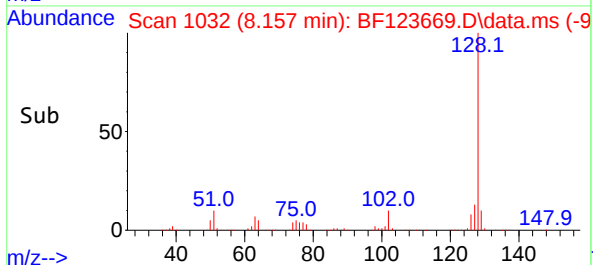
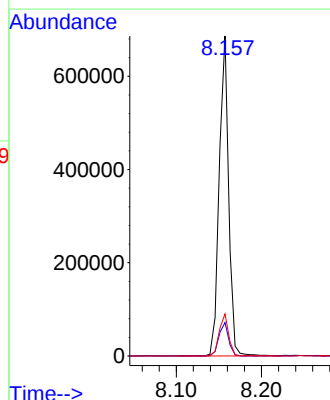
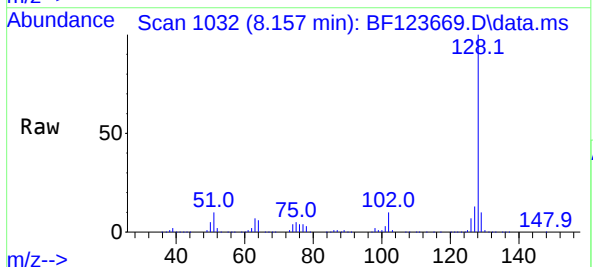
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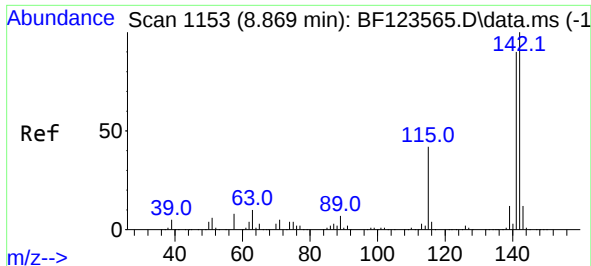


#31
Naphthalene
Concen: 13.28 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion: 128 Resp: 527438

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.9	13.3
127	13.2	10.8	16.2





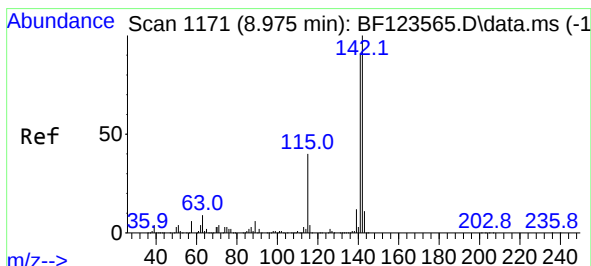
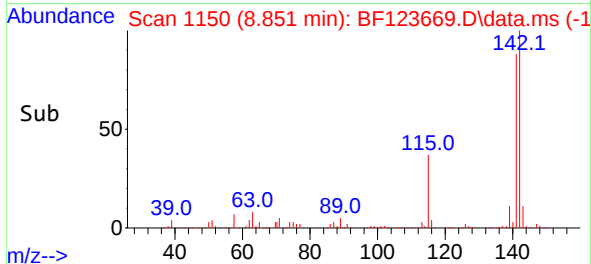
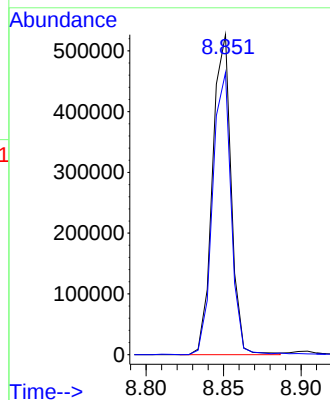
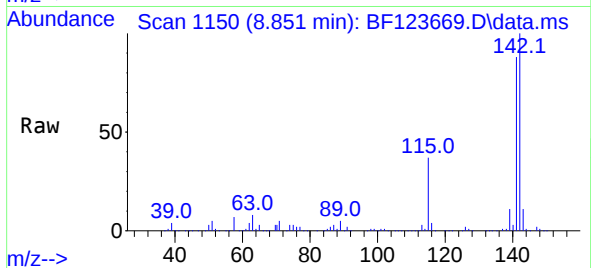
#37
2-Methylnaphthalene
Concen: 16.89 ng
RT: 8.851 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:142 Resp: 439892
Ion Ratio Lower Upper
142 100
141 88.1 71.8 107.6

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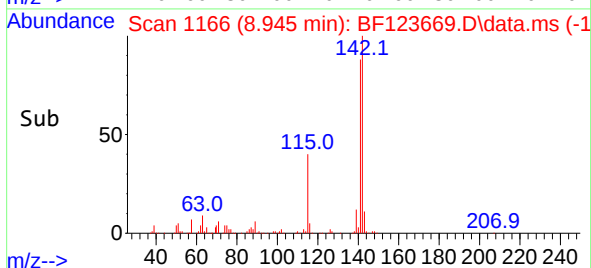
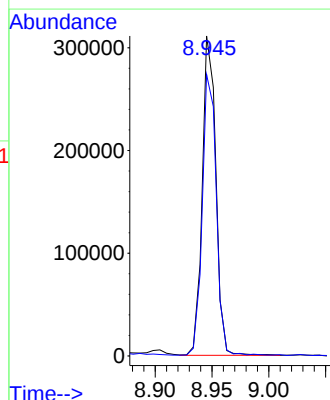
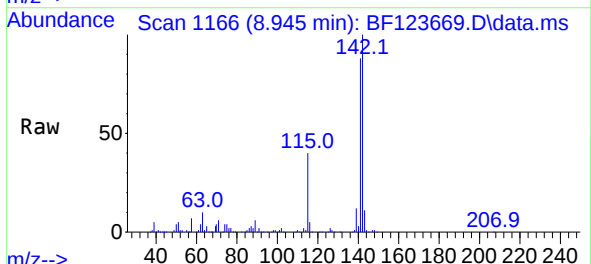
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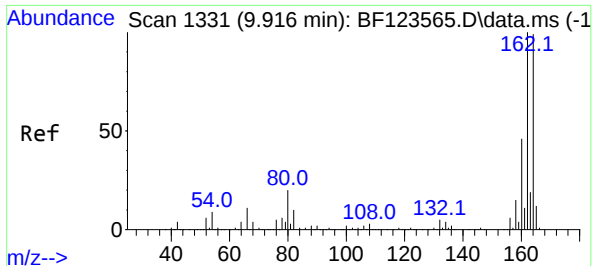
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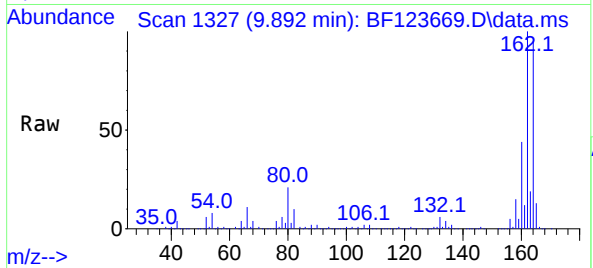
#38
1-Methylnaphthalene
Concen: 10.52 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:142 Resp: 259162
Ion Ratio Lower Upper
142 100
141 87.9 72.8 109.2

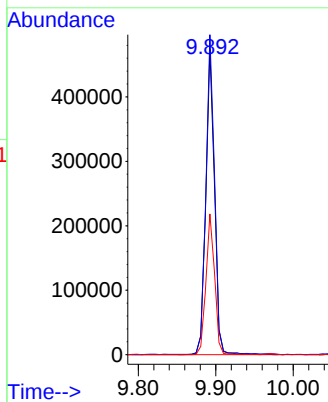
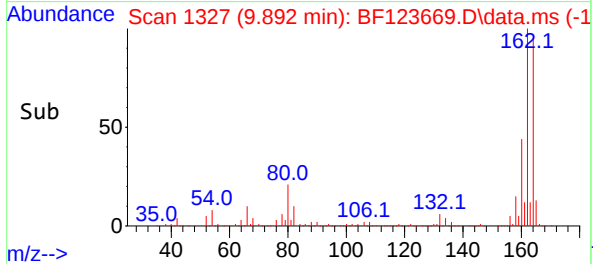




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13



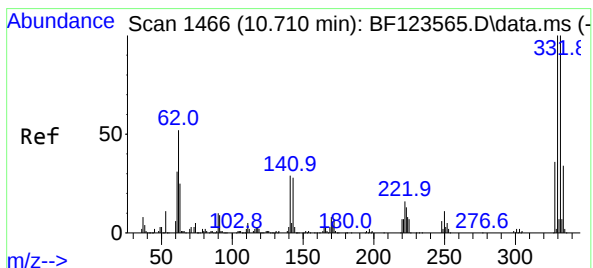
Tgt Ion:164 Resp: 368194
Ion Ratio Lower Upper
164 100
162 104.8 80.7 121.1
160 46.1 37.3 55.9



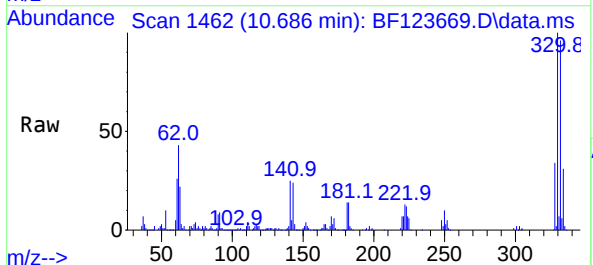
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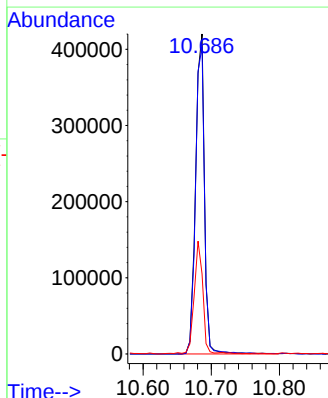
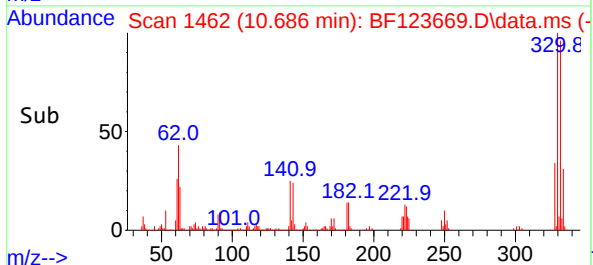
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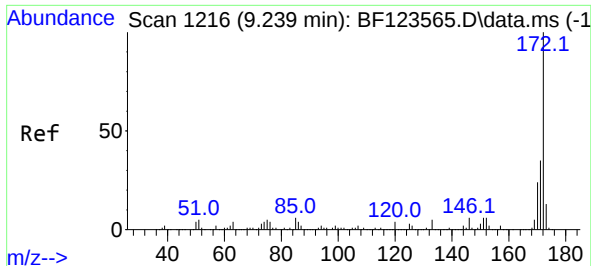


#42
2,4,6-Tribromophenol
Concen: 90.73 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13



Tgt Ion:330 Resp: 378275
Ion Ratio Lower Upper
330 100
332 98.0 77.1 115.7
141 34.3 27.9 41.9





#45
2-Fluorobiphenyl
Concen: 62.75 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

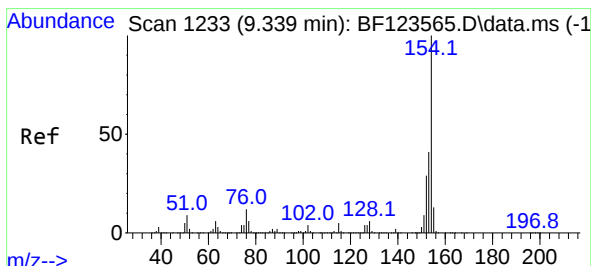
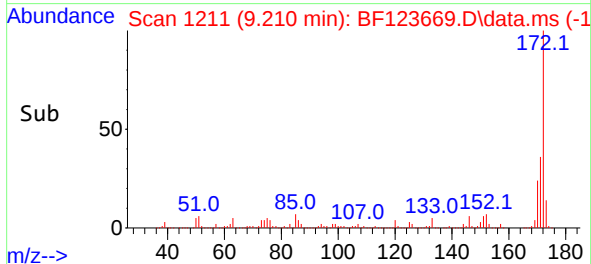
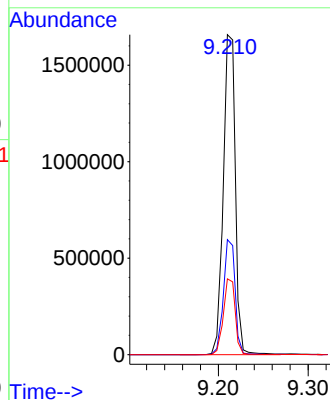
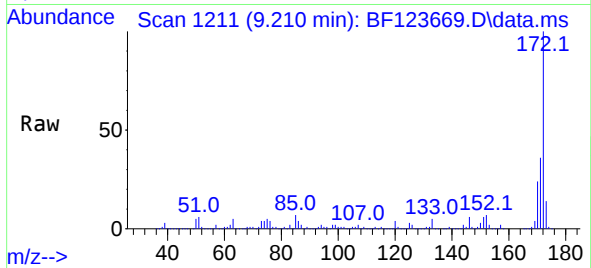
Tgt Ion:172 Resp: 1549874

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.1	42.1
170	23.7	19.2	28.8

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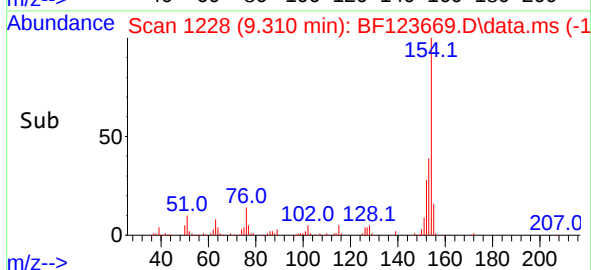
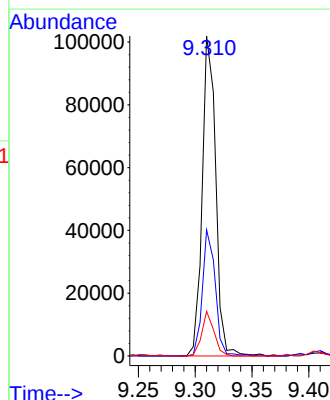
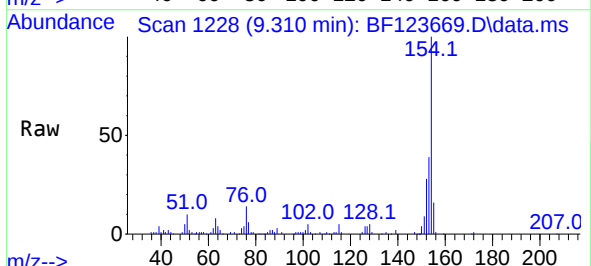
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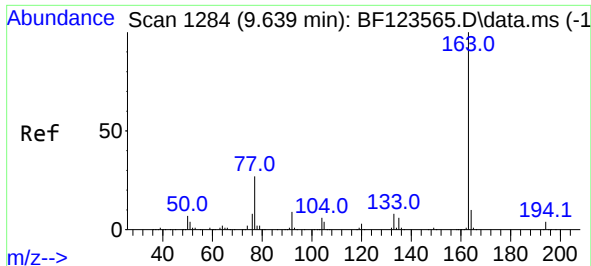


#46
1,1'-Biphenyl
Concen: 2.94 ng
RT: 9.310 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:154 Resp: 84641

Ion	Ratio	Lower	Upper
154	100		
153	39.4	20.7	60.7
76	13.9	0.0	31.7





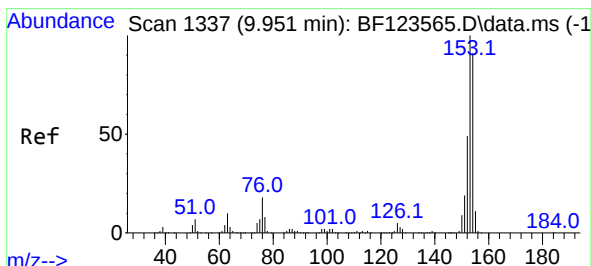
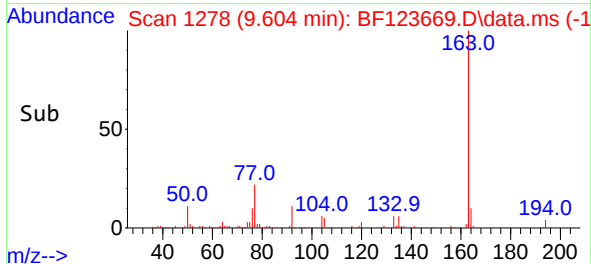
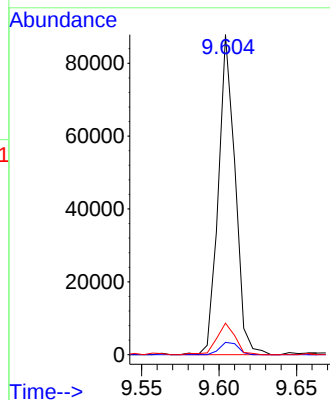
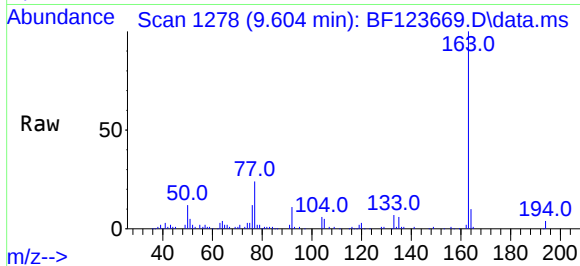
#50
Dimethylphthalate
Concen: 2.60 ng
RT: 9.604 min Scan# 1278
Delta R.T. -0.018 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	9.9	8.2	12.2

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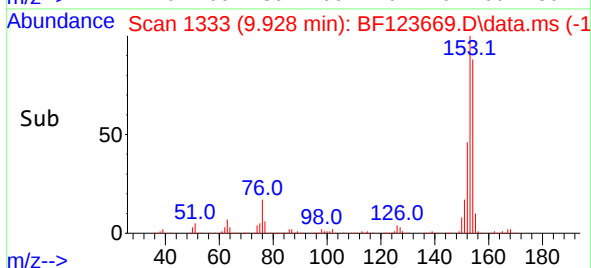
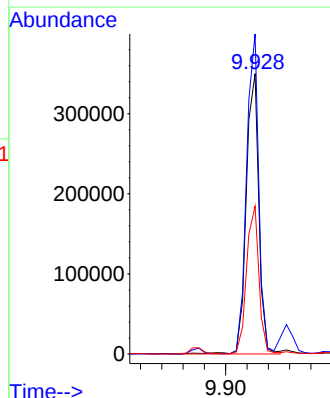
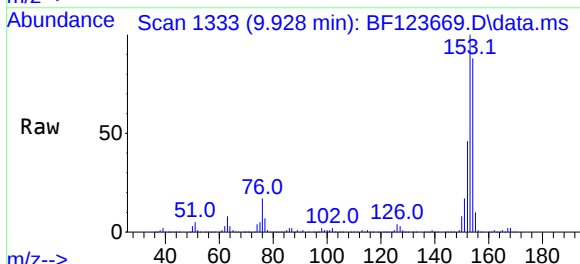
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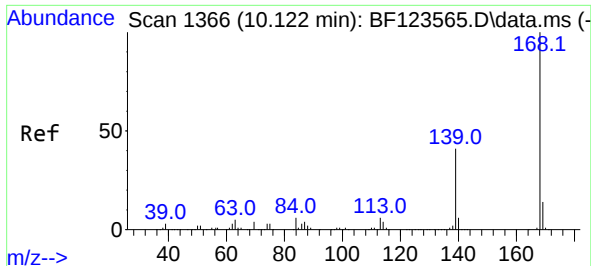
mohammad
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#52
Acenaphthene
Concen: 12.64 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

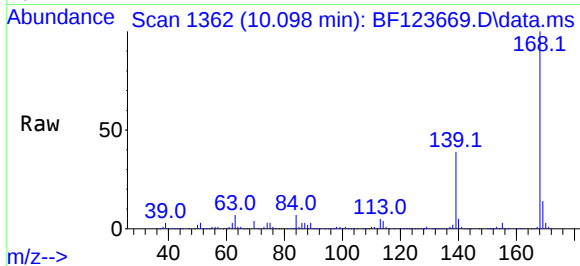
Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.1	88.1	132.1
152	52.8	43.4	65.0





#55
Dibenzenofuran
Concen: 12.34 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

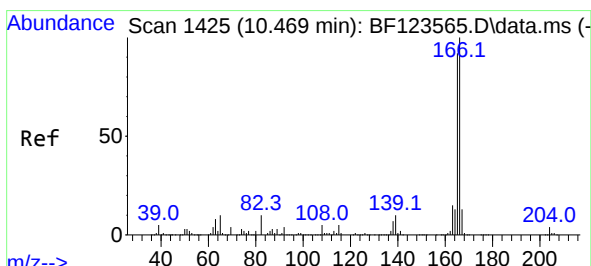
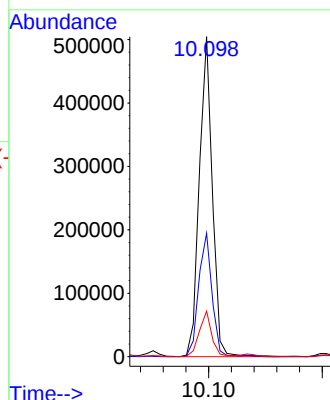
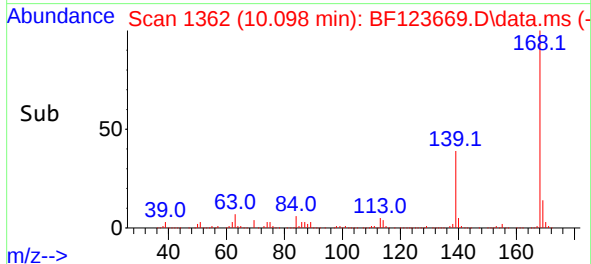
Instrument :
BNA_F
ClientSampleId :
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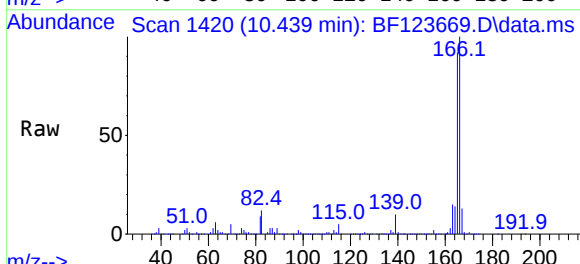
Tgt Ion:168 Resp: 402791
Ion Ratio Lower Upper
168 100
139 38.6 33.2 49.8
169 14.3 10.8 16.2

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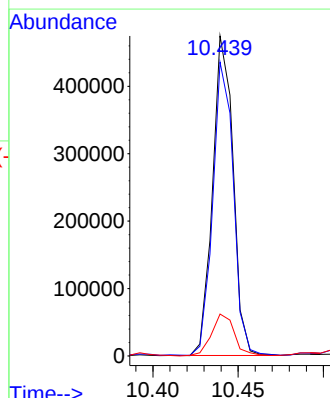
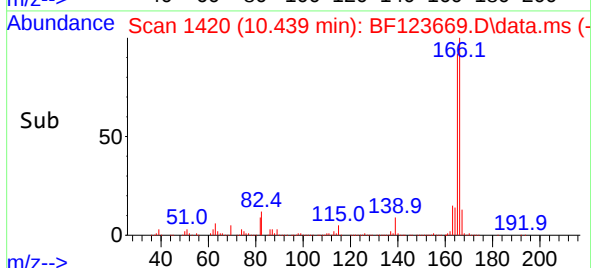
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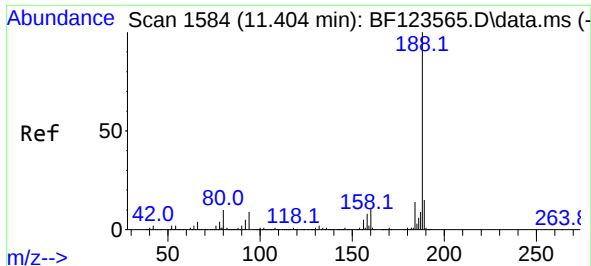


#58
Fluorene
Concen: 15.48 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13



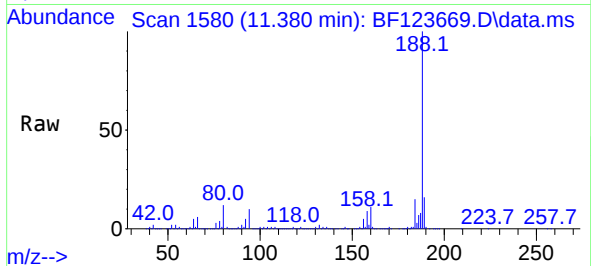
Tgt Ion:166 Resp: 397282
Ion Ratio Lower Upper
166 100
165 91.8 73.5 110.3
167 13.1 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

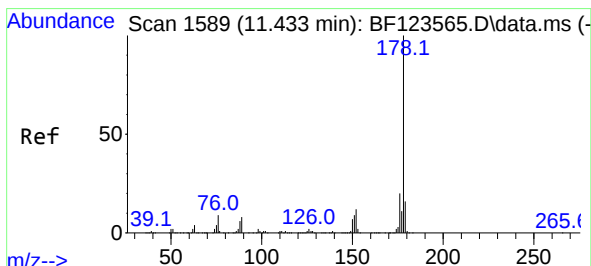
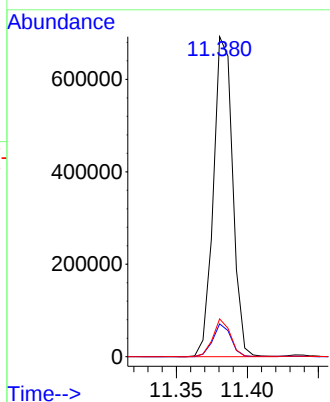
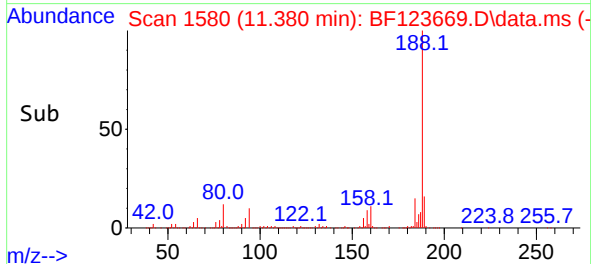
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0-DUP



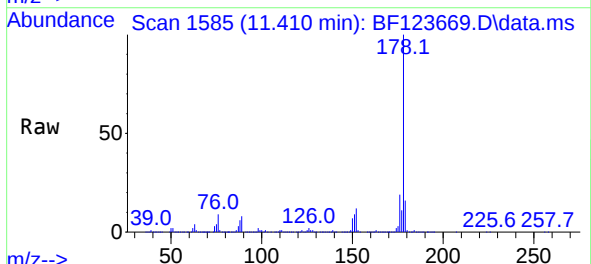
Tgt Ion:188 Resp: 651746
Ion Ratio Lower Upper
188 100
94 10.2 6.9 10.3
80 11.8 8.2 12.2

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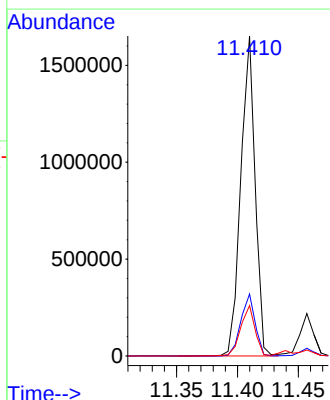
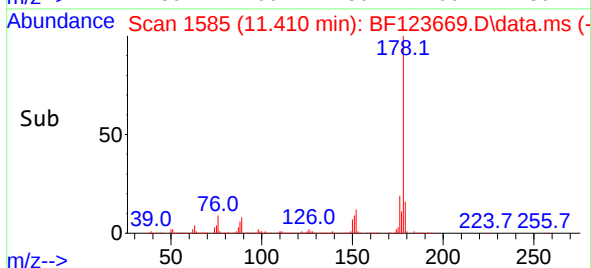
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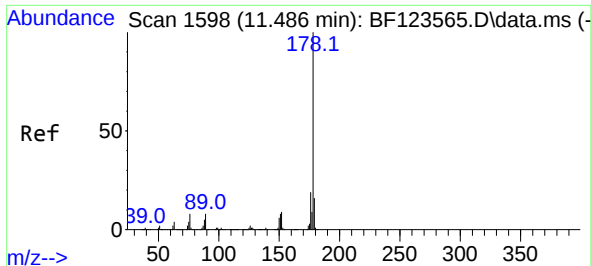


#71
Phenanthrene
Concen: 39.73 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13



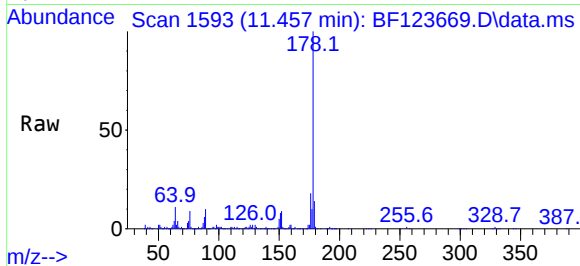
Tgt Ion:178 Resp: 1351265
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.8 12.5 18.7





#72
 Anthracene
 Concen: 4.90 ng
 RT: 11.457 min Scan# 1593
 Delta R.T. -0.006 min
 Lab File: BF123669.D
 Acq: 21 Apr 2021 16:13

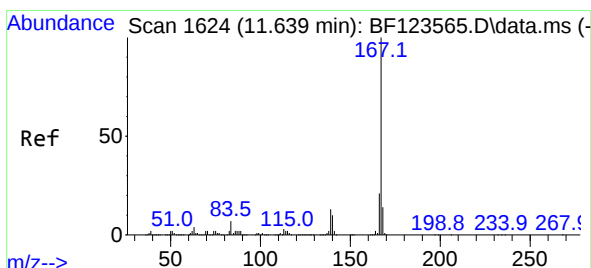
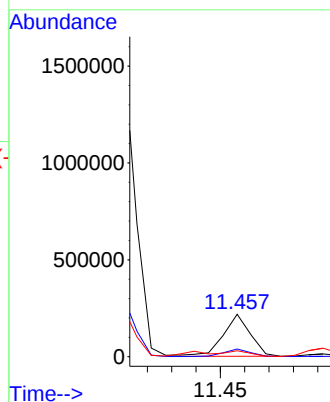
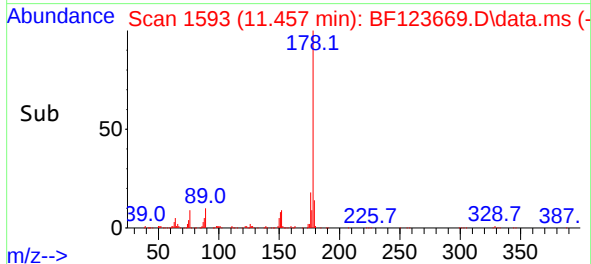
Instrument :
 BNA_F
 ClientSampleId :
 SB-20-14.5-15.0-DUP



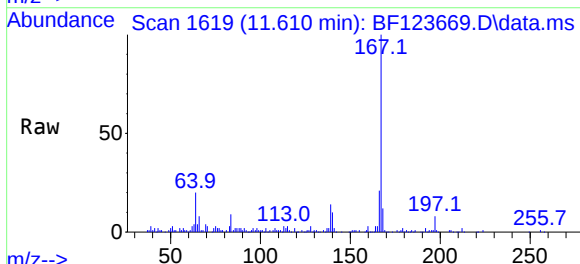
Tgt Ion:178 Resp: 166728
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 13.8 12.6 18.8

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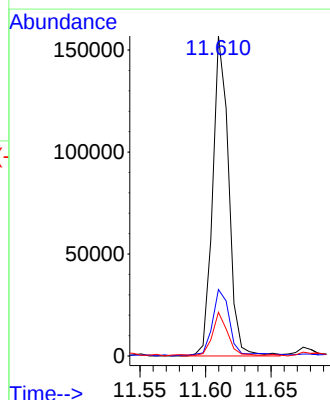
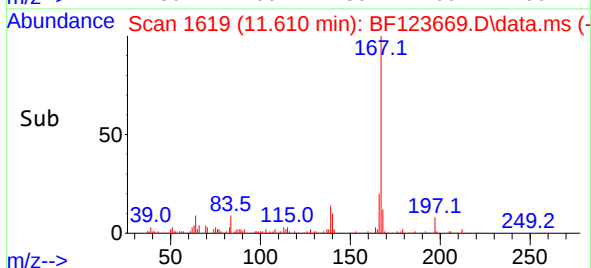
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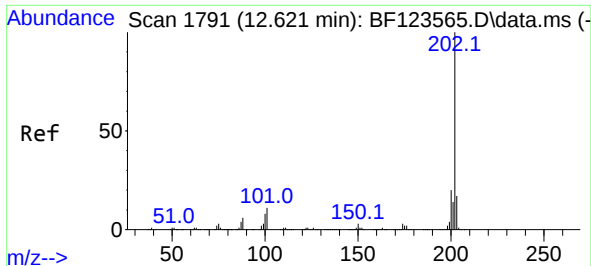


#73
 Carbazole
 Concen: 3.93 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. -0.006 min
 Lab File: BF123669.D
 Acq: 21 Apr 2021 16:13

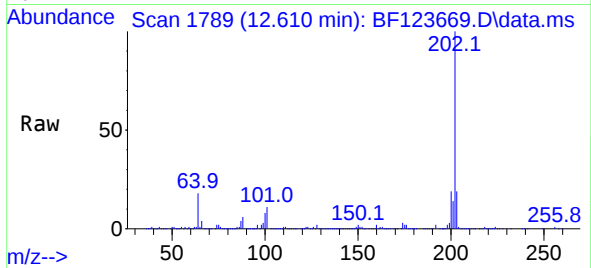


Tgt Ion:167 Resp: 133253
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.0 25.6
 139 13.7 10.4 15.6

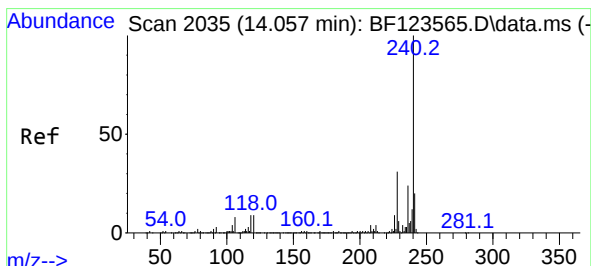
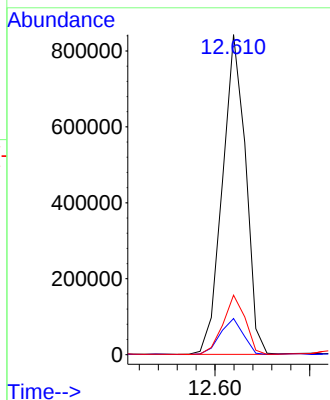
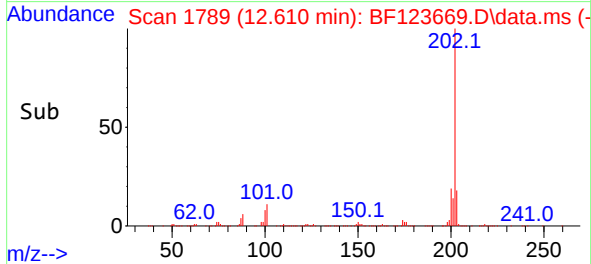




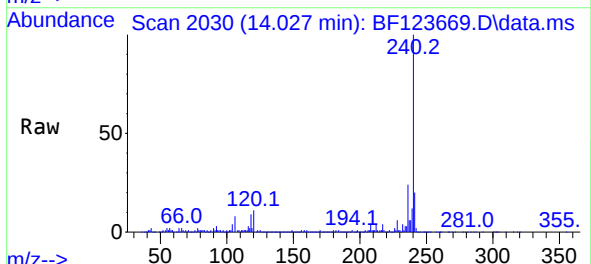
#75
Fluoranthene
Concen: 19.22 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13



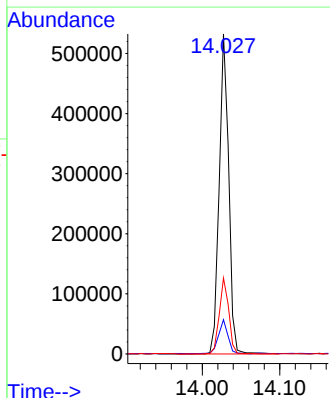
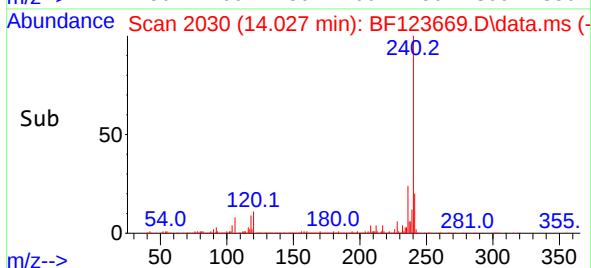
Tgt Ion:202 Resp: 718297
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.9
203 18.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13



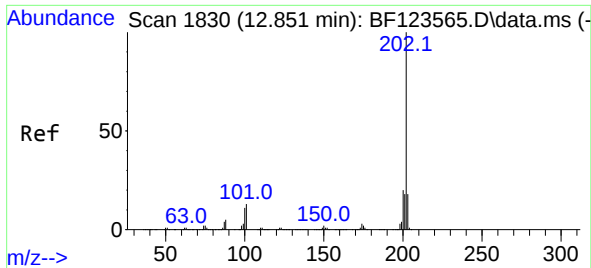
Tgt Ion:240 Resp: 452925
Ion Ratio Lower Upper
240 100
120 10.7 7.2 10.8
236 23.8 19.0 28.4



Instrument :
BNA_F
ClientSampleId :
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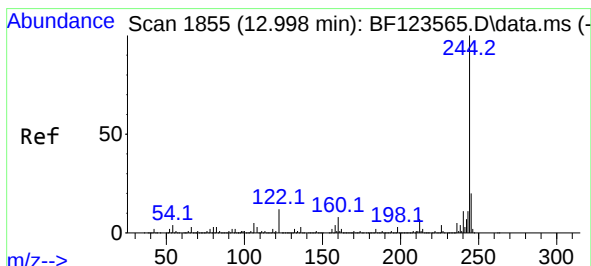
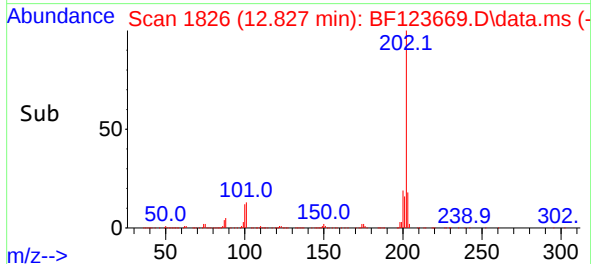
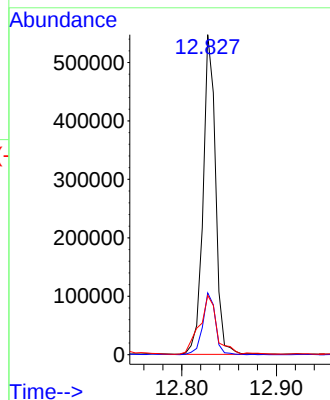
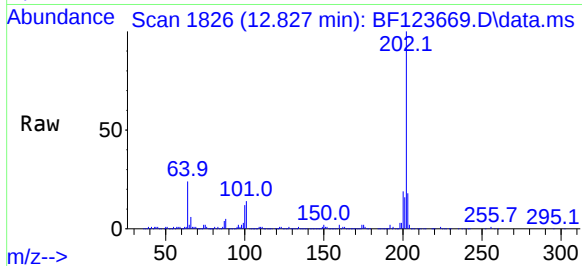
#78
 Pyrene
 Concen: 15.17 ng
 RT: 12.827 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: BF123669.D
 Acq: 21 Apr 2021 16:13

Tgt Ion:	202	Resp:	501580
Ion Ratio	Lower	Upper	
202	100		
200	19.3	16.1	24.1
203	18.5	14.8	22.2

Instrument :
 BNA_F
 ClientSampleId :
 SB-20-14.5-15.0-DUP

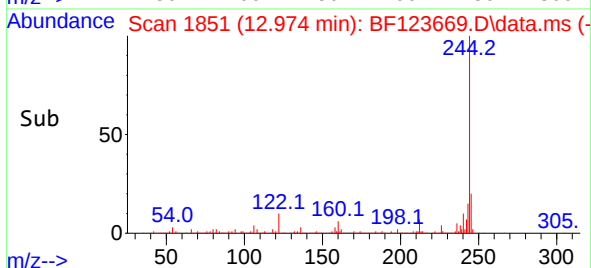
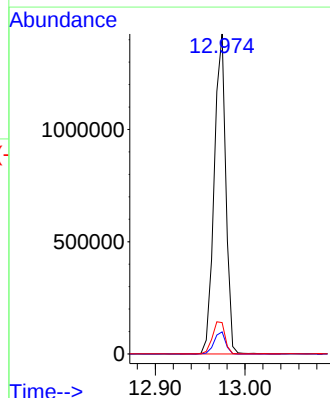
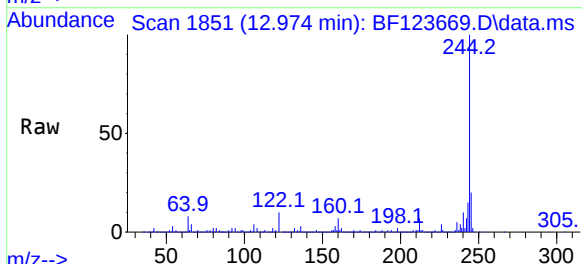
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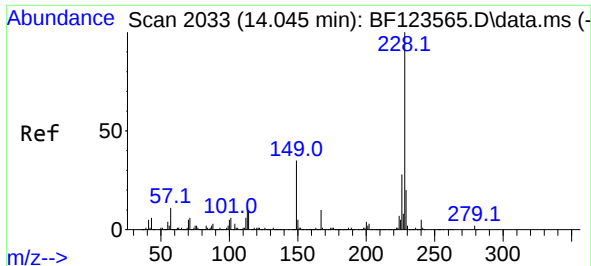
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#79
 Terphenyl-d14
 Concen: 55.02 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. 0.000 min
 Lab File: BF123669.D
 Acq: 21 Apr 2021 16:13

Tgt Ion:	244	Resp:	1282264
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.7	8.5
122	9.8	9.7	14.5





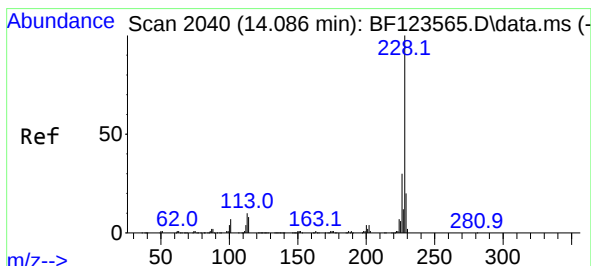
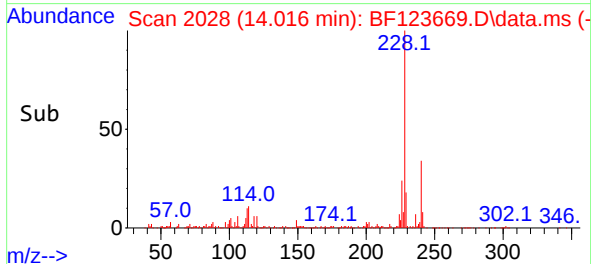
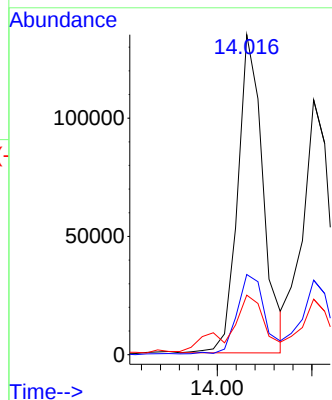
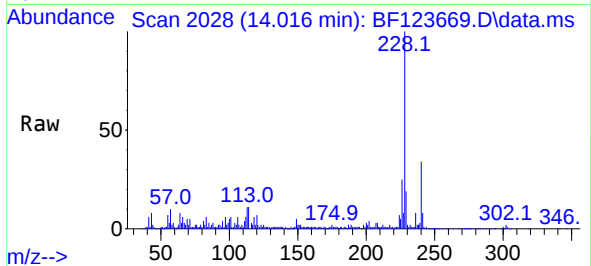
#81
Benzo(a)anthracene
Concen: 4.51 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:228 Resp: 125128
Ion Ratio Lower Upper
228 100
226 25.0 22.4 33.6
229 18.6 16.0 24.0

Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0-DUP

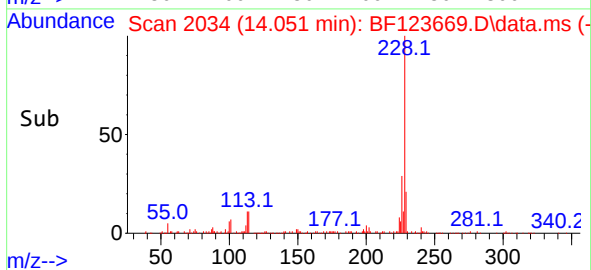
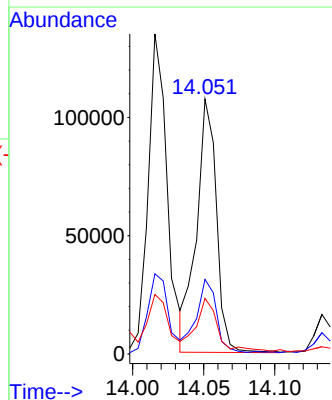
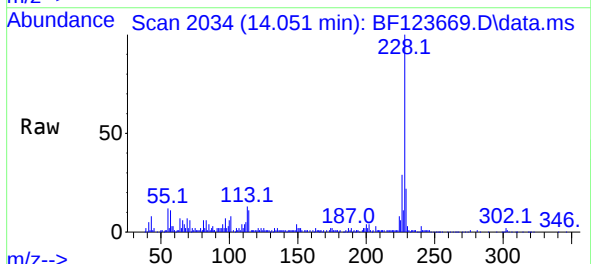
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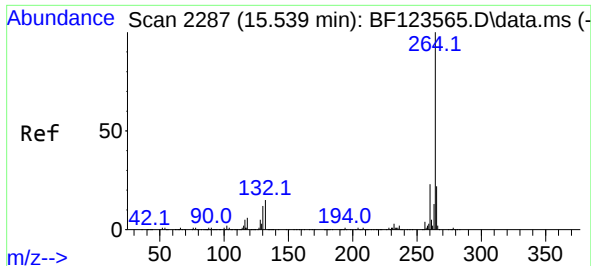
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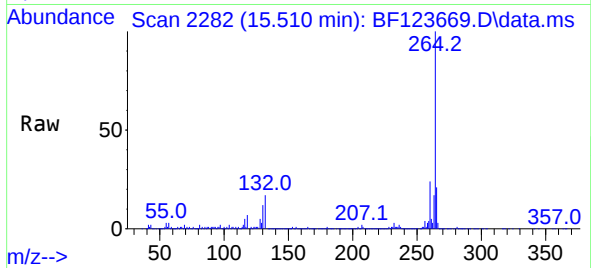
#83
Chrysene
Concen: 3.76 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:228 Resp: 104834
Ion Ratio Lower Upper
228 100
226 29.2 24.3 36.5
229 21.8 16.2 24.2

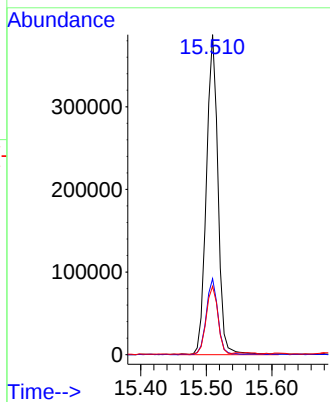
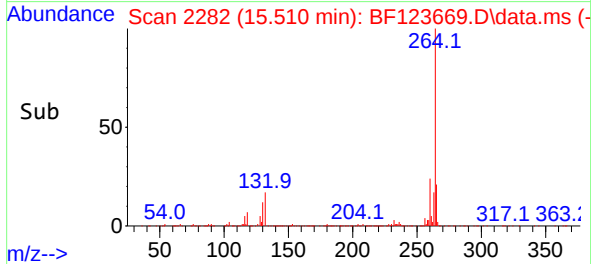




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.510 min Scan# 2282
Delta R.T. 0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13



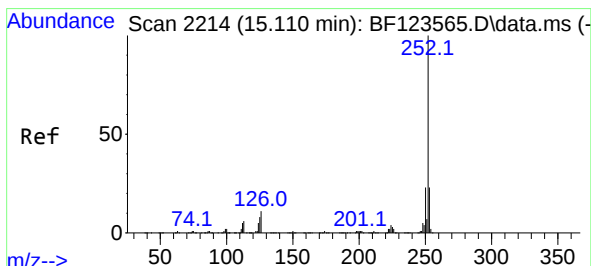
Tgt Ion:264 Resp: 476362
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 21.4 17.8 26.8



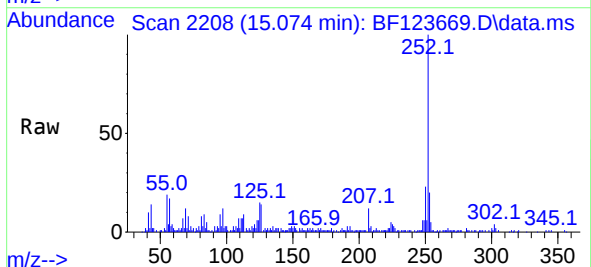
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0-DUP

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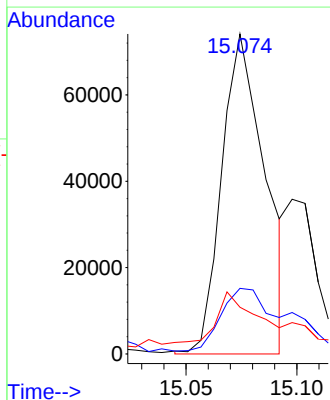
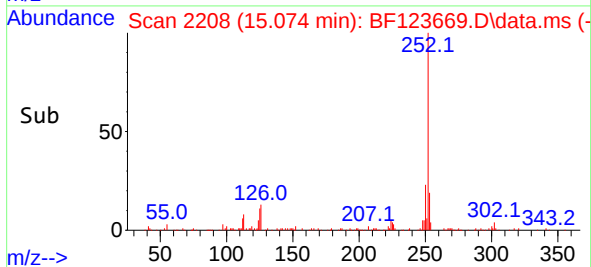
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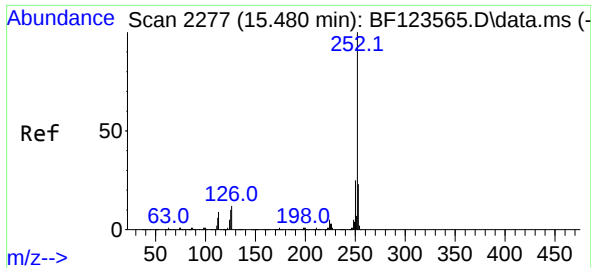


#88
Benzo(b)fluoranthene
Concen: 2.99 ng m
RT: 15.074 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13



Tgt Ion:252 Resp: 100607
Ion Ratio Lower Upper
252 100
253 20.5 18.1 27.1
125 14.6 6.2 9.4#





#90
Benzo(a)pyrene
Concen: 2.61 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion: 252 Resp: 69776
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 14.0 8.0 12.0#

Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0-DUP

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