

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
 Data File : BF123635.D
 Acq On : 19 Apr 2021 22:06
 Operator : JU/CG
 Sample : M2034-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1979

Manual Integrations
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mohammad
 4/21/2021 8:34:59 AM

Quant Time: Apr 20 03:05:45 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 10:31:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	303001	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	1113252	20.00	ng	-0.01
39) Acenaphthene-d10	9.910	164	485836	20.00	ng	0.00
64) Phenanthrene-d10	11.398	188	747649	20.00	ng	0.00
76) Chrysene-d12	14.045	240	624256	20.00	ng	-0.01
86) Perylene-d12	15.533	264	585172	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	679589	36.25	ng	0.00
7) Phenol-d6	6.493	99	880569	33.90	ng	0.00
23) Nitrobenzene-d5	7.422	82	604151	24.95	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	167684	30.48	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	870393	26.71	ng	-0.02
79) Terphenyl-d14	12.986	244	651256	20.28	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.169	128	163525	2.85	ng	99
37) 2-Methylnaphthalene	8.863	142	145400	3.87	ng	98
38) 1-Methylnaphthalene	8.963	142	204540	5.75	ng	99
49) Acenaphthylene	9.769	152	126951	2.71	ng	# 90
52) Acenaphthene	9.939	154	179369	5.97	ng	99
55) Dibenzofuran	10.110	168	178169	4.14	ng	# 91
58) Fluorene	10.457	166	394827	11.66	ng	97
71) Phenanthrene	11.428	178	1547114	39.65	ng	99
72) Anthracene	11.475	178	406200	10.42	ng	96
75) Fluoranthene	12.616	202	1529008	35.66	ng	99
78) Pyrene	12.851	202	1561321	34.27	ng	98
81) Benzo(a)anthracene	14.033	228	660179	17.26	ng	96
83) Chrysene	14.069	228	622492	16.20	ng	96
87) Indeno(1,2,3-cd)pyrene	17.015	276	226299	7.25	ng	99
88) Benzo(b)fluoranthene	15.098	252	688844m	16.67	ng	
89) Benzo(k)fluoranthene	15.121	252	168354m	3.07	ng	
90) Benzo(a)pyrene	15.468	252	519151	15.80	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	60337	2.28	ng	# 80
92) Benzo(g,h,i)perylene	17.462	276	218129	10.13	ng	95

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

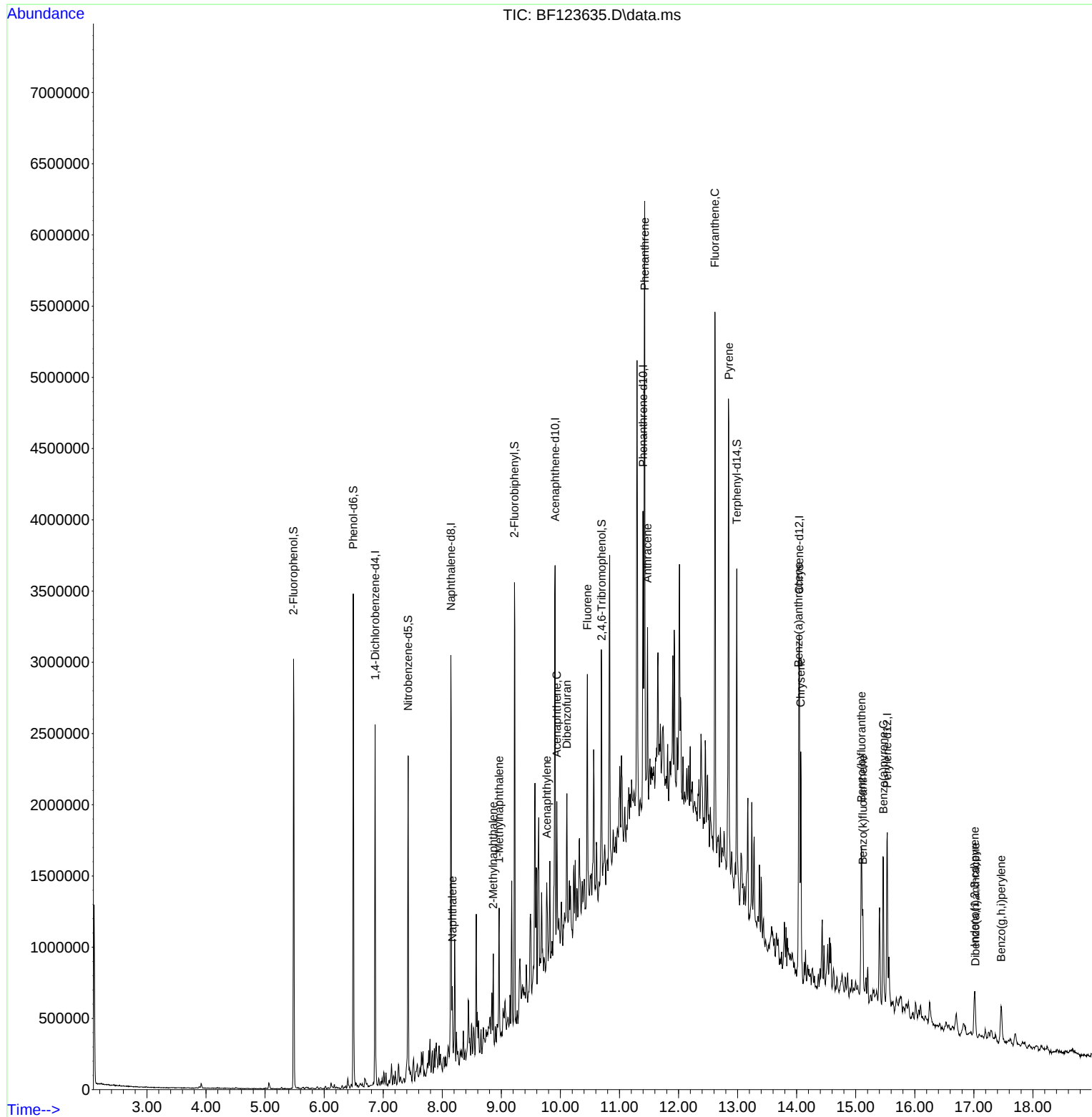
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Data File : BF123635.D
Acq On : 19 Apr 2021 22:06
Operator : JU/CG
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ALS Vial : 21 Sample Multiplier: 1

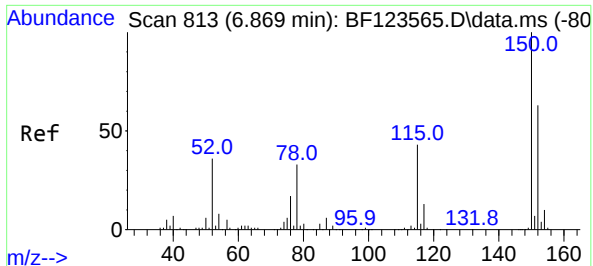
Instrument :
BNA_F
ClientSampled :
1979

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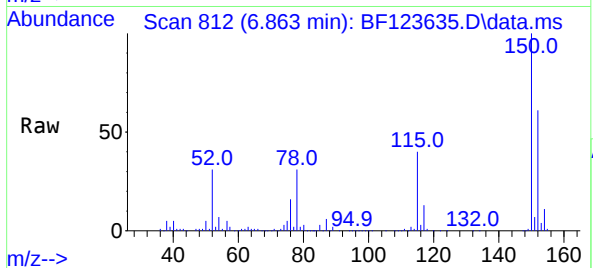
mohammad
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Quant Time: Apr 20 03:05:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 16 10:31:33 2021
Response via : Initial Calibration

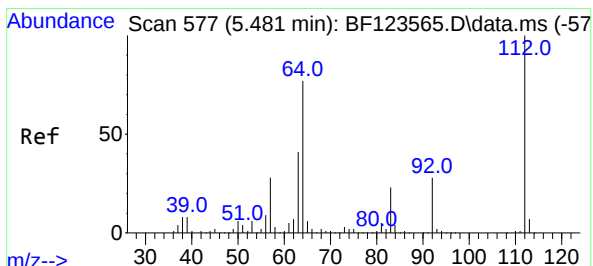
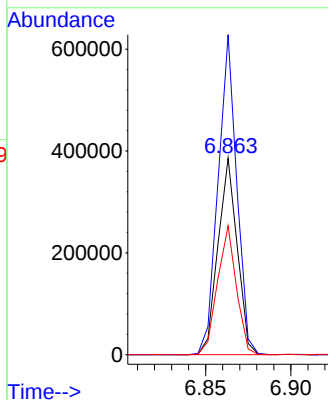
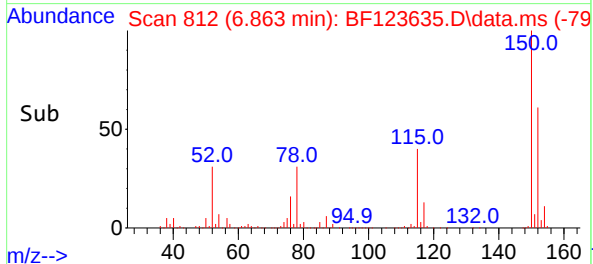




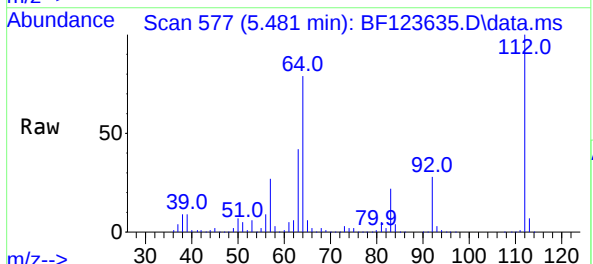
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06



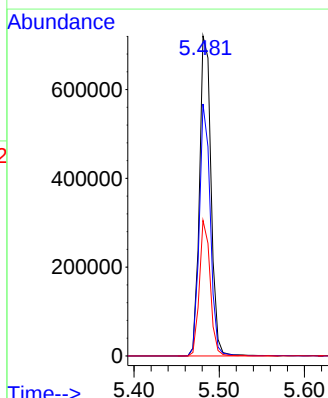
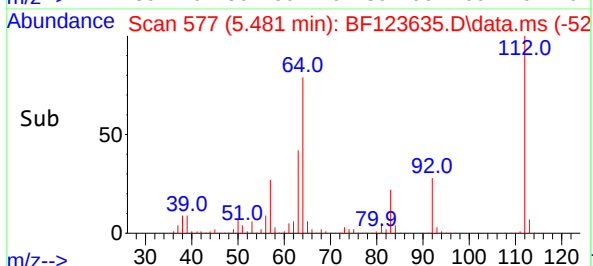
Tgt Ion:152 Resp: 303001
Ion Ratio Lower Upper
152 100
150 162.7 127.0 190.6
115 65.5 54.3 81.5



#5
2-Fluorophenol
Concen: 36.25 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06



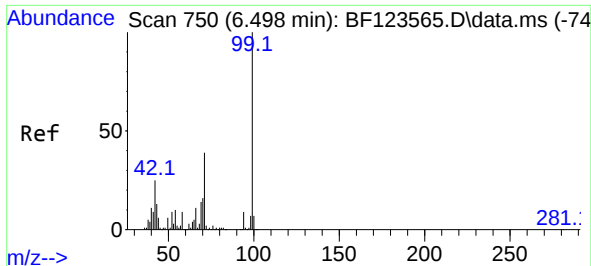
Tgt Ion:112 Resp: 679589
Ion Ratio Lower Upper
112 100
64 78.8 61.4 92.0
63 42.4 33.0 49.4



Instrument :
BNA_F
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1979

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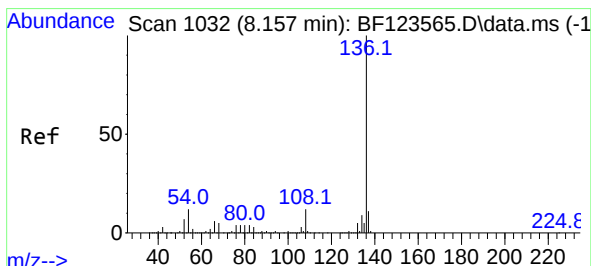
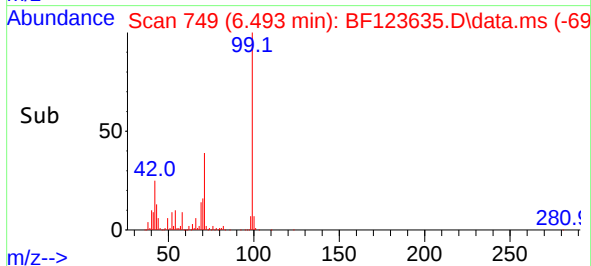
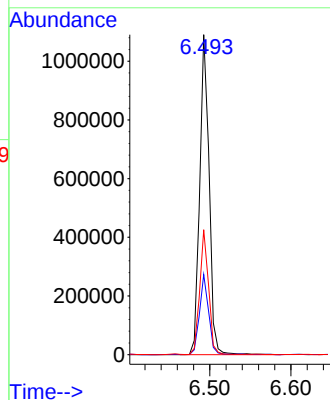
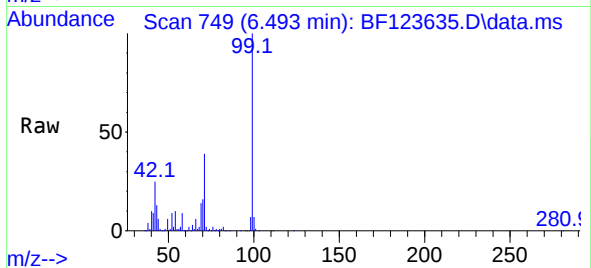
#7
Phenol-d6
Concen: 33.90 ng
RT: 6.493 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion: 99 Resp: 880569
Ion Ratio Lower Upper
99 100
42 25.0 19.8 29.8
71 39.1 31.1 46.7

Instrument :
BNA_F
ClientSampleId :
1979

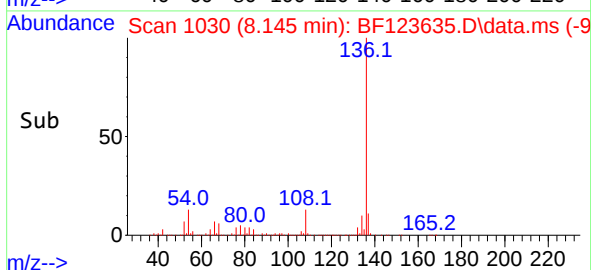
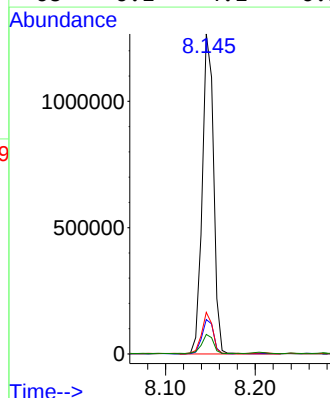
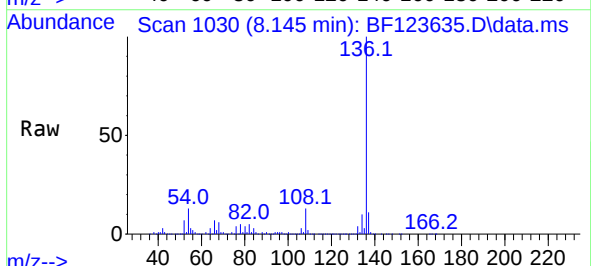
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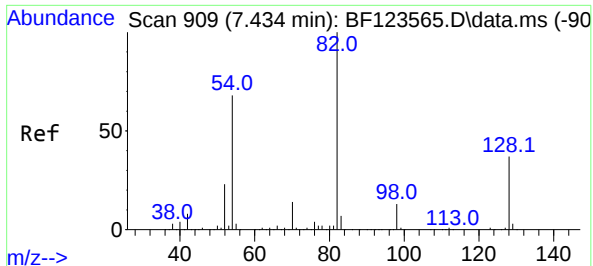
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion: 136 Resp: 1113252
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 13.0 9.8 14.6
68 6.1 4.1 6.1





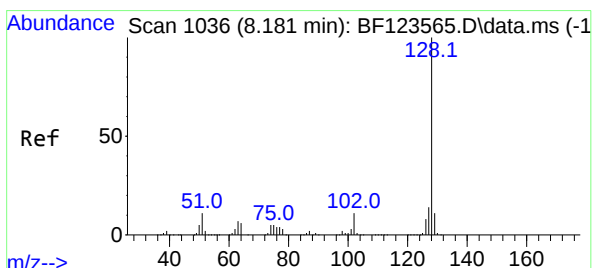
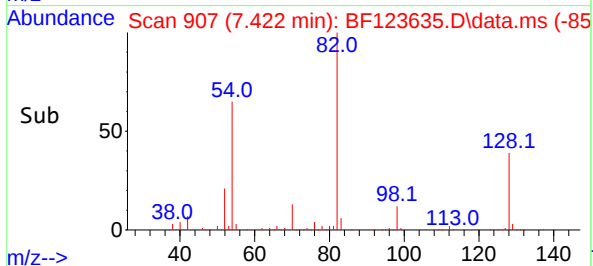
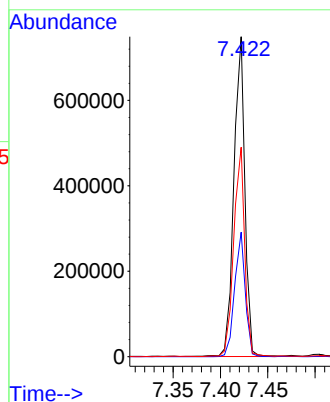
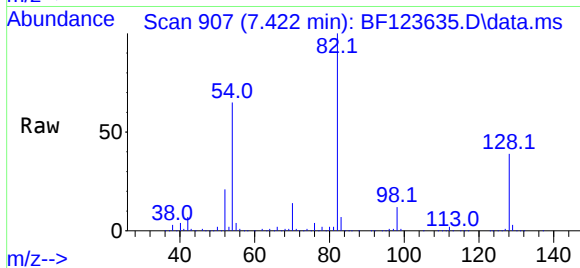
#23
Nitrobenzene-d5
Concen: 24.95 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:	82	Resp:	604151
Ion	Ratio	Lower	Upper
82	100		
128	38.9	29.4	44.2
54	65.4	54.1	81.1

Instrument :
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1979

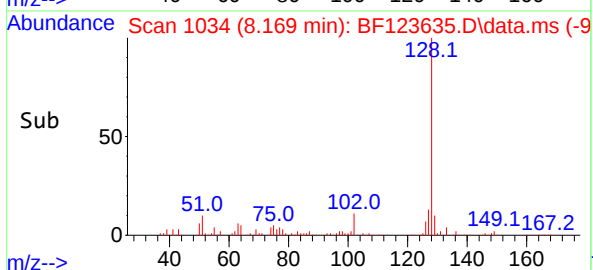
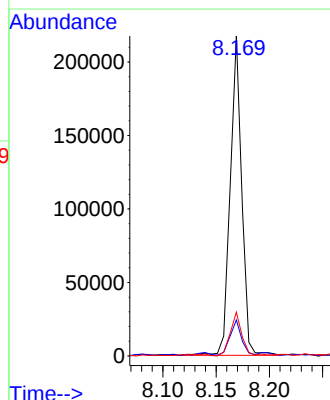
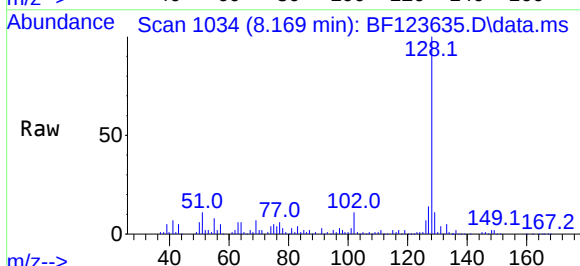
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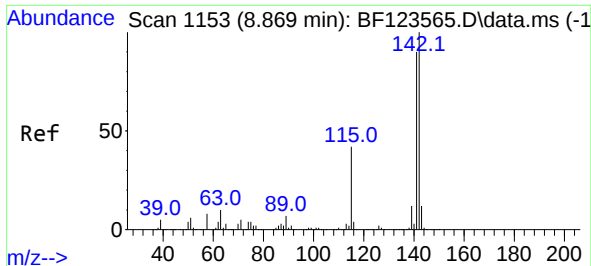
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#31
Naphthalene
Concen: 2.85 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:	128	Resp:	163525
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.7	10.8	16.2





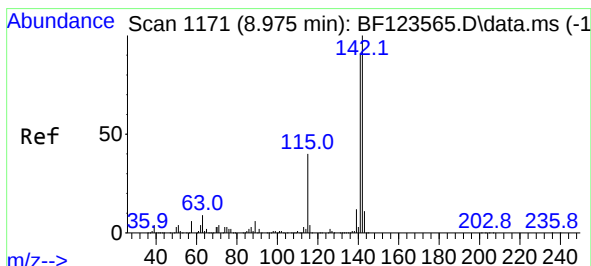
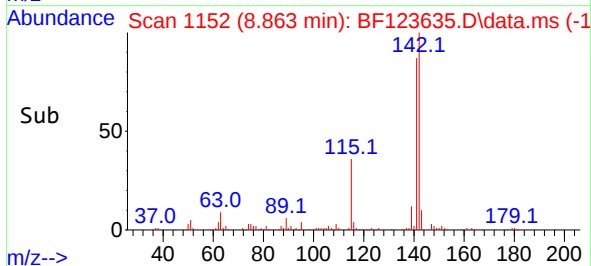
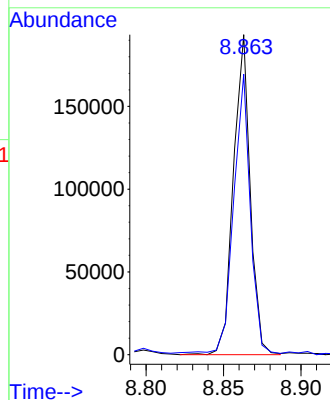
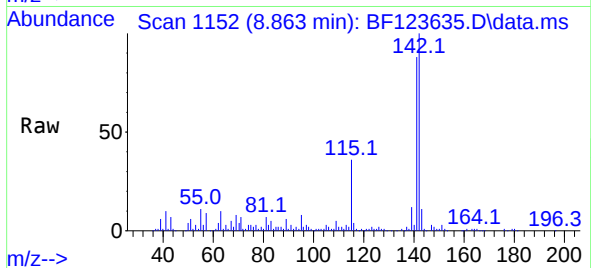
#37
2-Methylnaphthalene
Concen: 3.87 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:142 Resp: 145400
Ion Ratio Lower Upper
142 100
141 87.7 71.8 107.6

Instrument :
BNA_F
ClientSampleId :
1979

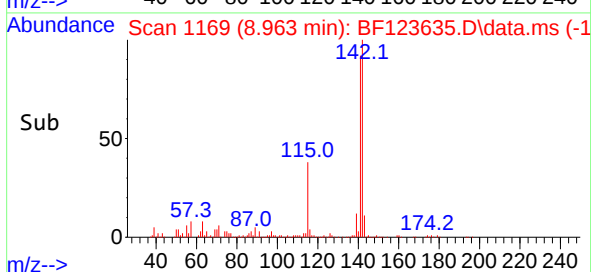
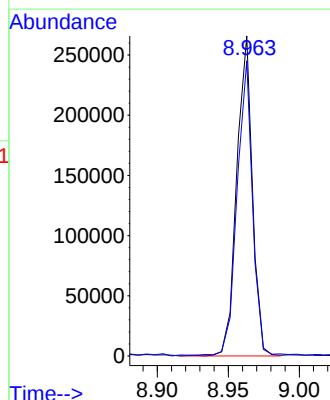
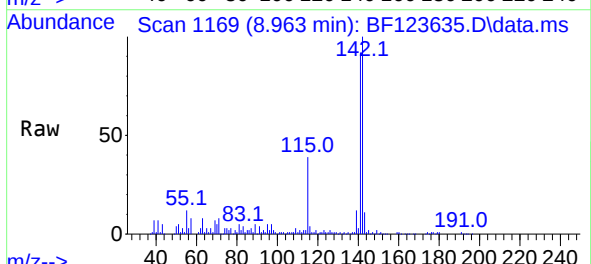
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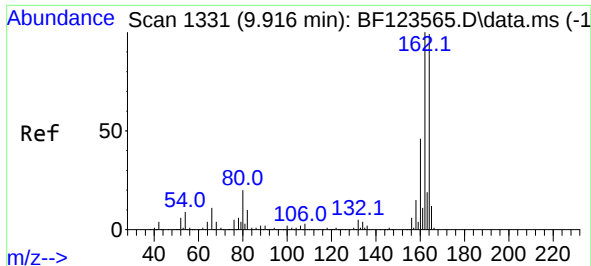
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#38
1-Methylnaphthalene
Concen: 5.75 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:142 Resp: 204540
Ion Ratio Lower Upper
142 100
141 92.2 72.8 109.2





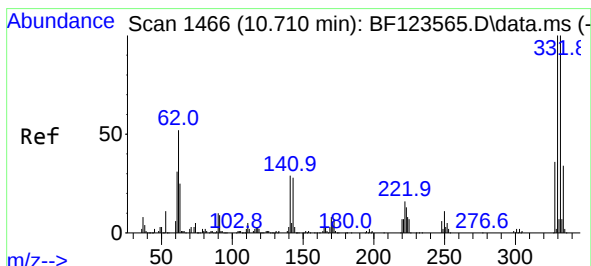
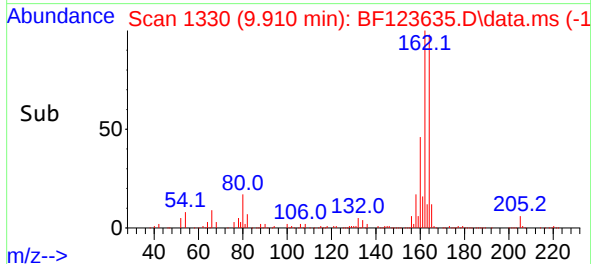
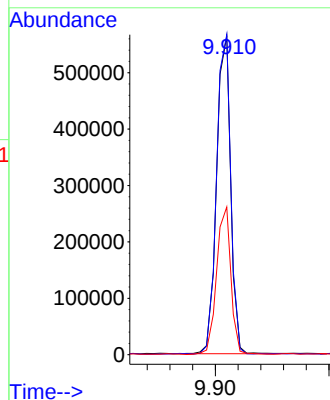
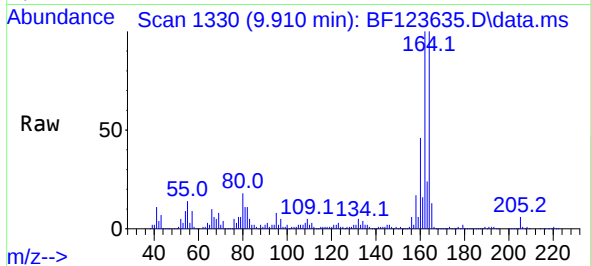
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:164 Resp: 485836
Ion Ratio Lower Upper
164 100
162 100.5 80.7 121.1
160 46.4 37.3 55.9

Instrument :
BNA_F
ClientSampled :
1979

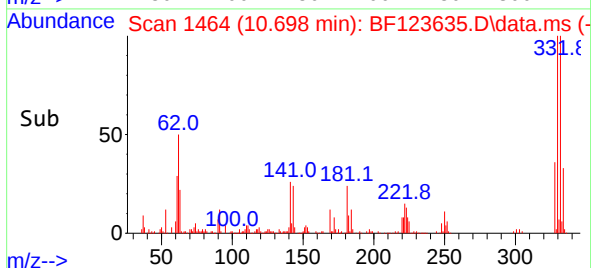
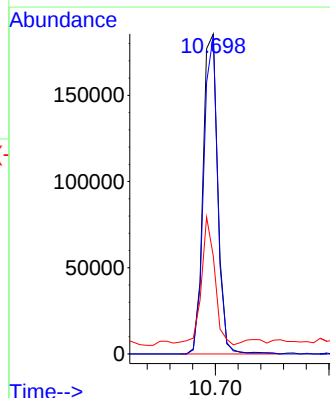
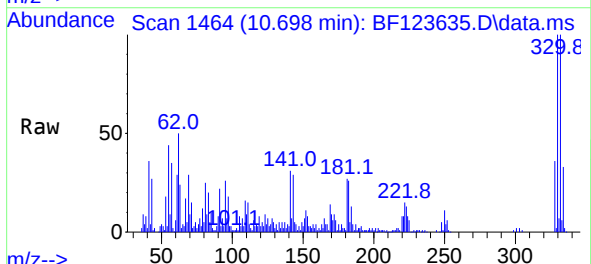
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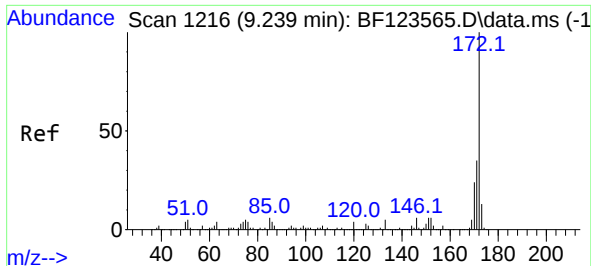
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#42
2,4,6-Tribromophenol
Concen: 30.48 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:330 Resp: 167684
Ion Ratio Lower Upper
330 100
332 93.8 77.1 115.7
141 36.1 27.9 41.9





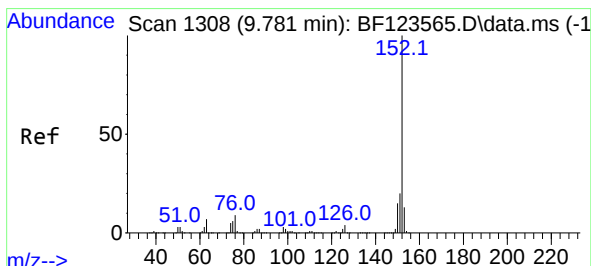
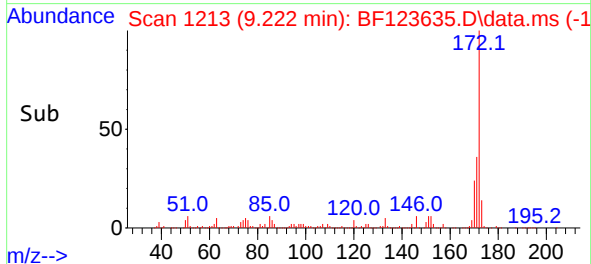
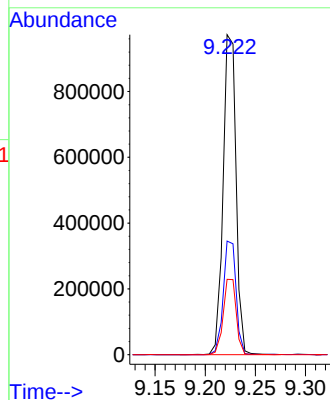
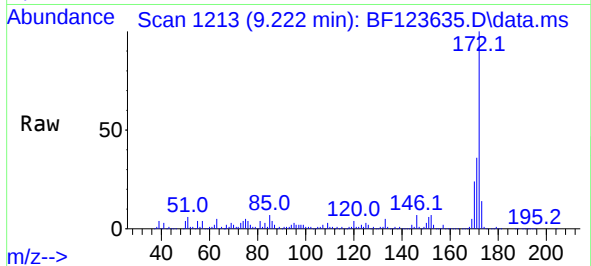
#45
2-Fluorobiphenyl
Concen: 26.71 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.018 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:	172	Resp:	870393
Ion Ratio	Lower	Upper	
172	100		
171	35.5	28.1	42.1
170	23.6	19.2	28.8

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1979

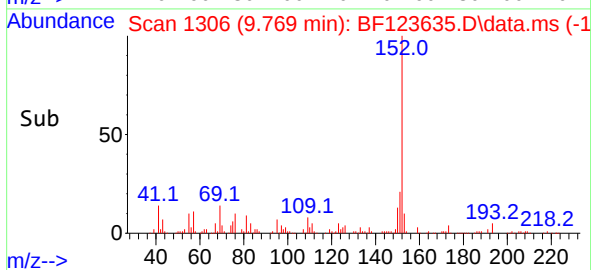
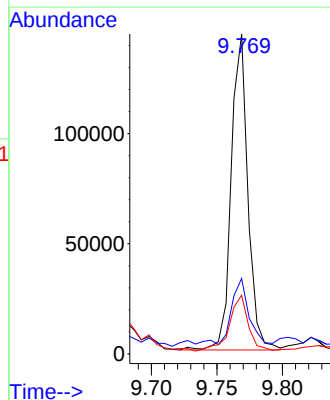
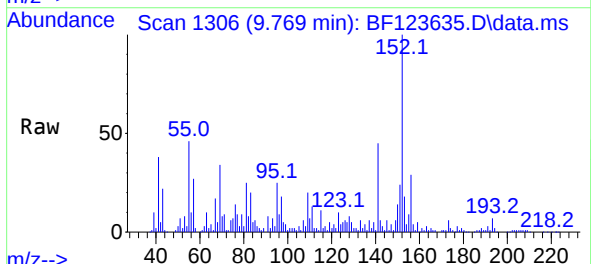
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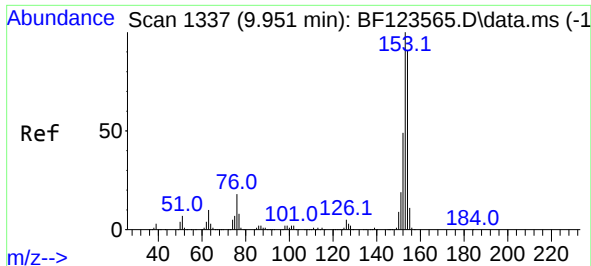
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#49
Acenaphthylene
Concen: 2.71 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

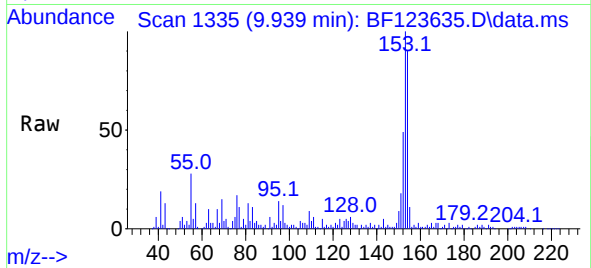
Tgt Ion:	152	Resp:	126951
Ion Ratio	Lower	Upper	
152	100		
151	23.6	16.0	24.0
153	18.3	10.4	15.6#





#52
Acenaphthene
Concen: 5.97 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

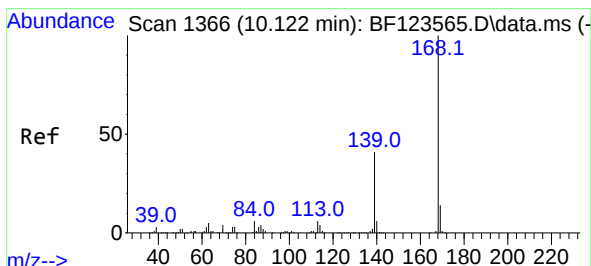
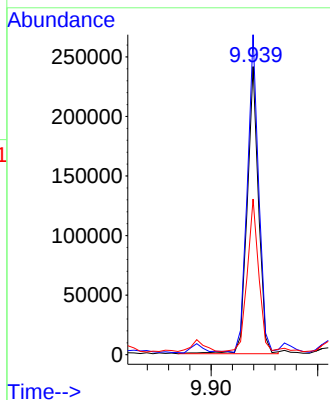
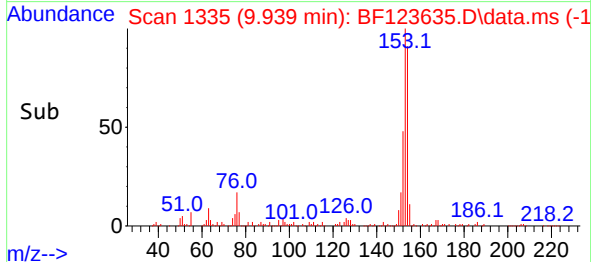
Instrument :
BNA_F
ClientSampled :
1979



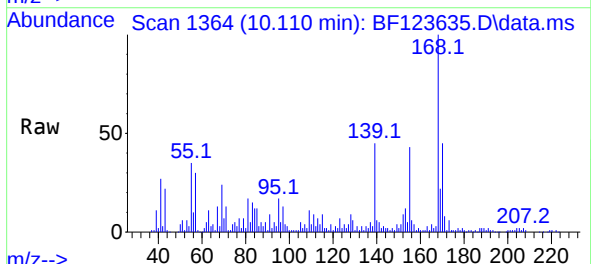
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Ion Ratio Lower Upper
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Manual Integrations
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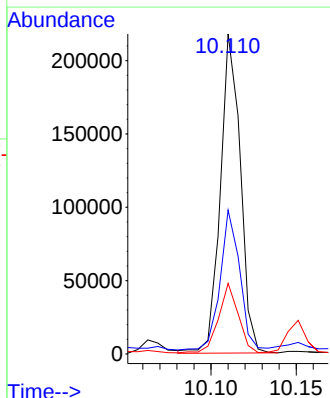
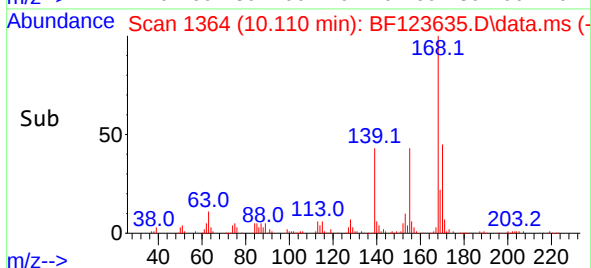
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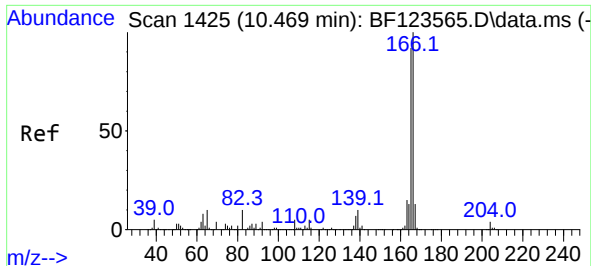


#55
Dibenzofuran
Concen: 4.14 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

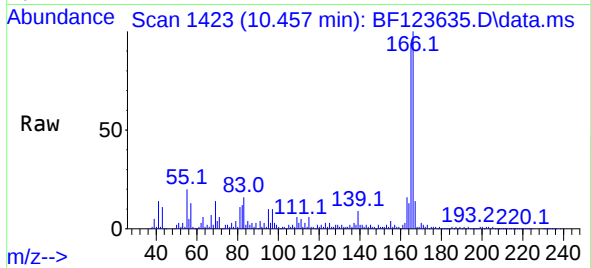


Tgt Ion:168 Resp: 178169
Ion Ratio Lower Upper
168 100
139 44.9 33.2 49.8
169 22.1 10.8 16.2#

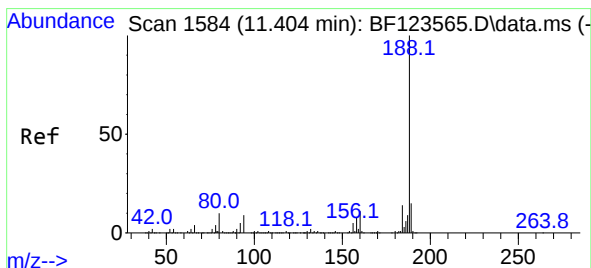
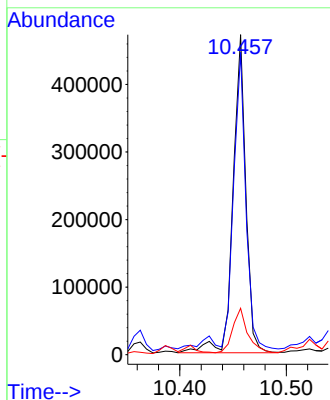
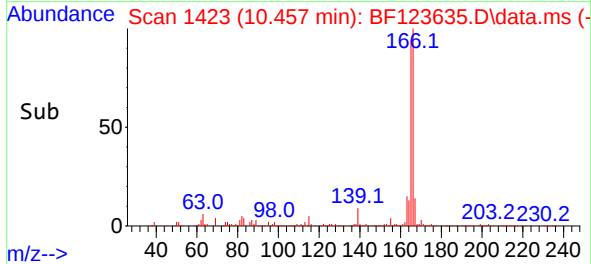




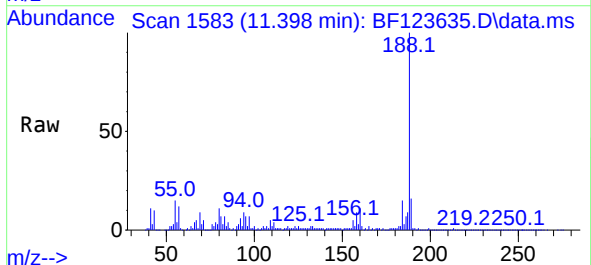
#58
Fluorene
Concen: 11.66 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06



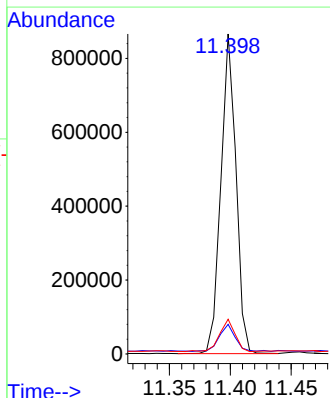
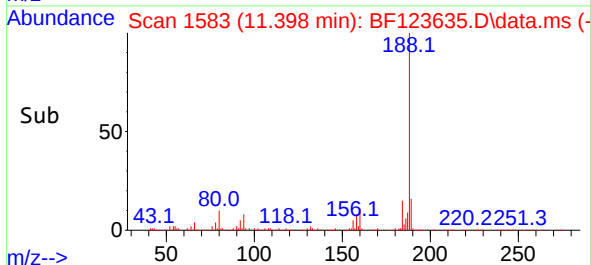
Tgt Ion:166 Resp: 394827
Ion Ratio Lower Upper
166 100
165 94.5 73.5 110.3
167 14.5 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06



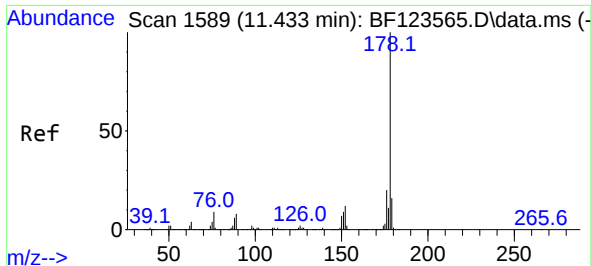
Tgt Ion:188 Resp: 747649
Ion Ratio Lower Upper
188 100
94 9.2 6.9 10.3
80 10.9 8.2 12.2



Instrument :
BNA_F
ClientSampleId :
1979

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4/21/2021 8:34:59 AM



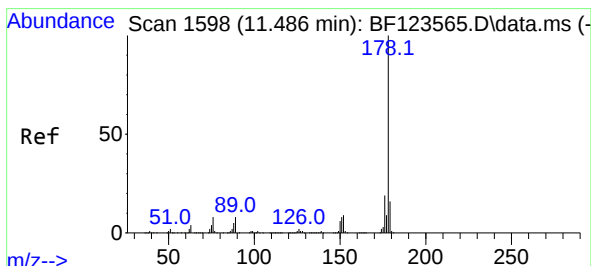
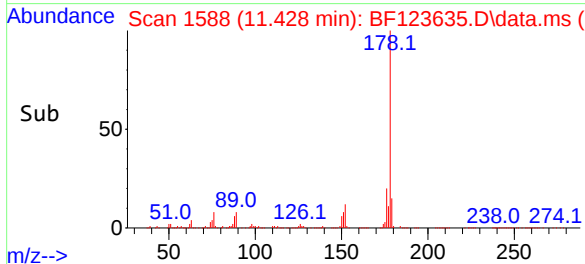
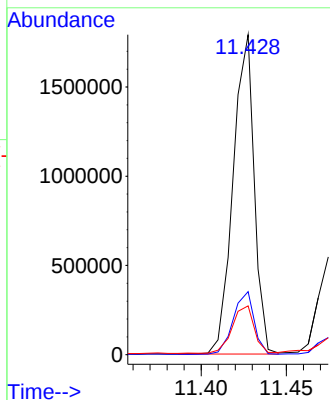
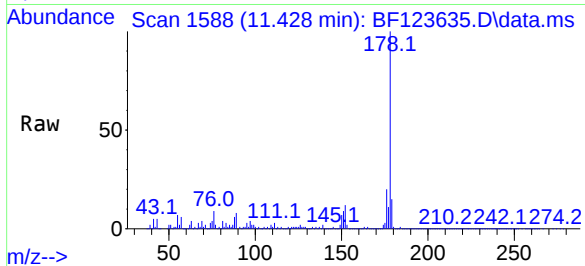
#71
Phenanthrene
Concen: 39.65 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Instrument :
BNA_F
ClientSampled :
1979

Tgt Ion:178 Resp: 1547114
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.3 12.5 18.7

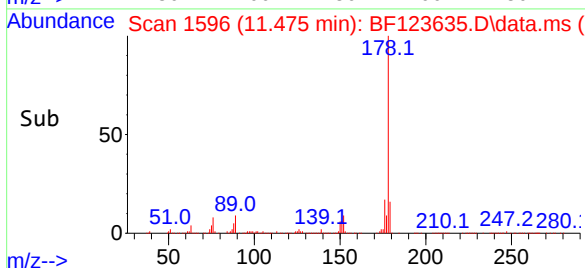
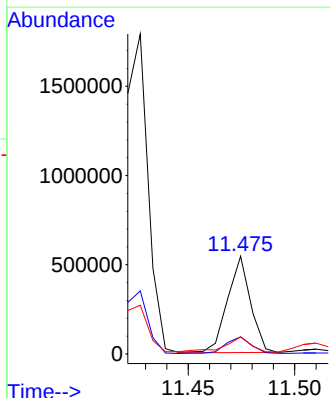
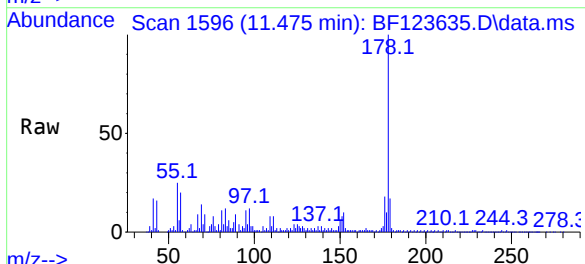
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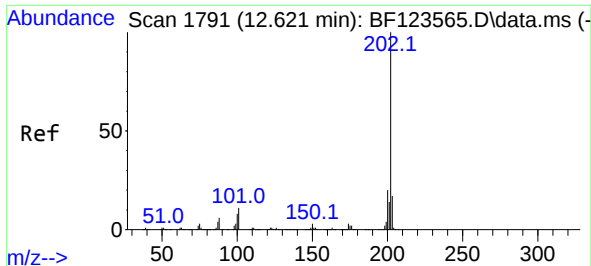
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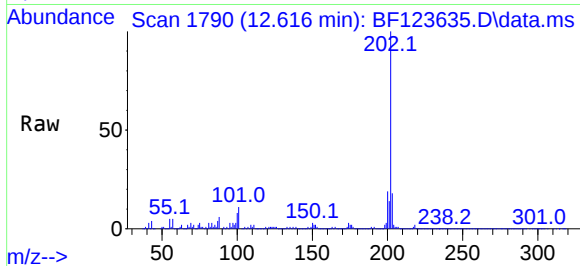
#72
Anthracene
Concen: 10.42 ng
RT: 11.475 min Scan# 1596
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:178 Resp: 406200
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.0
179 17.3 12.6 18.8

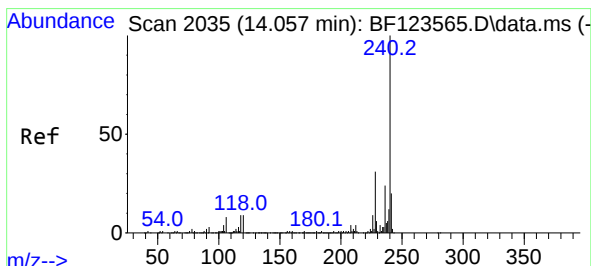
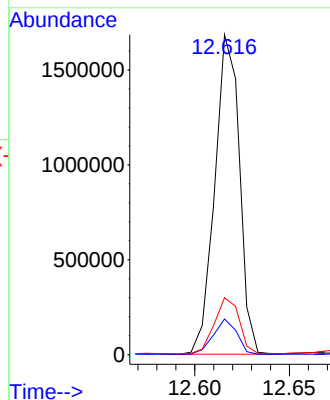
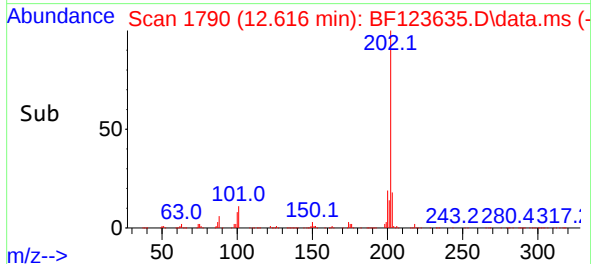




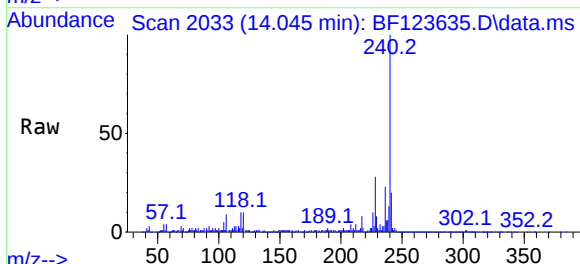
#75
Fluoranthene
Concen: 35.66 ng
RT: 12.616 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06



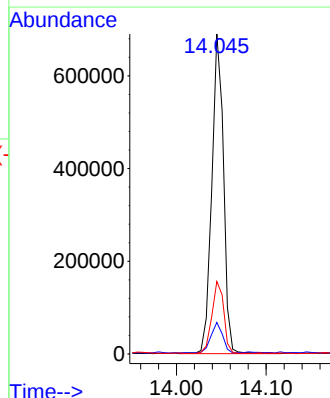
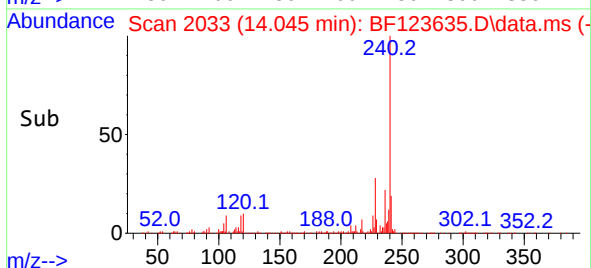
Tgt Ion:202 Resp: 1529008
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.9
203 17.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06



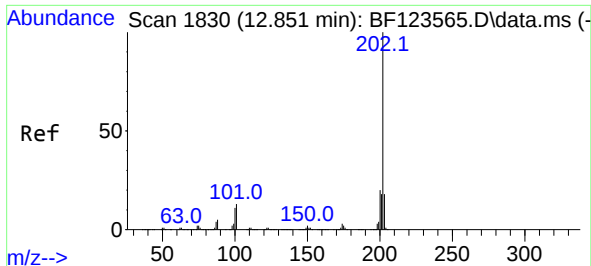
Tgt Ion:240 Resp: 624256
Ion Ratio Lower Upper
240 100
120 9.9 7.2 10.8
236 22.6 19.0 28.4



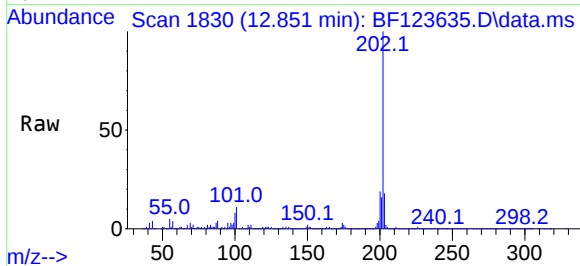
Instrument :
BNA_F
ClientSampleId :
1979

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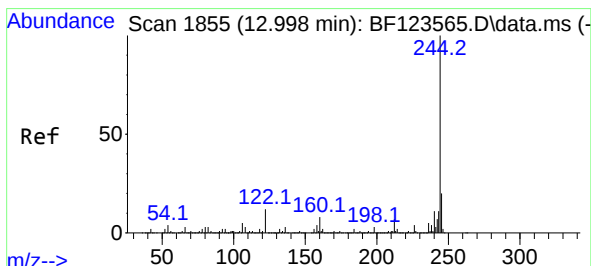
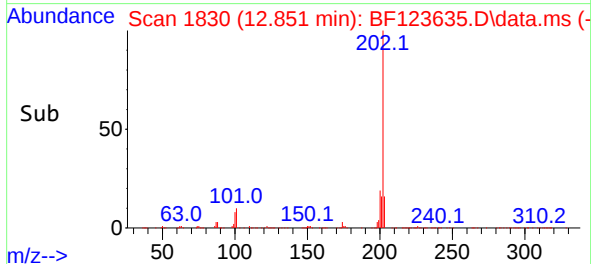
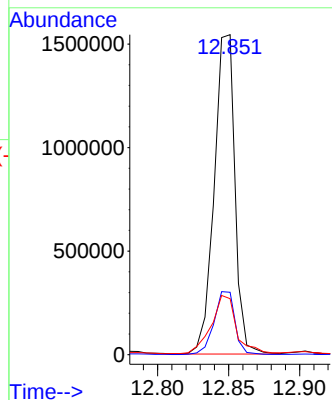


#78
Pyrene
Concen: 34.27 ng
RT: 12.851 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

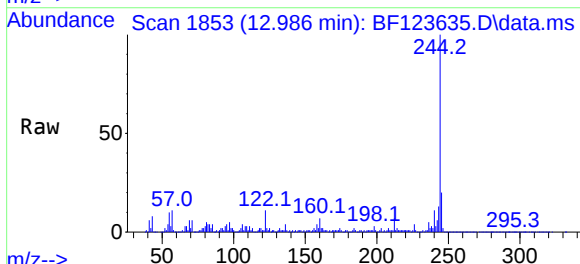


Tgt Ion:202 Resp: 1561321

Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.1	24.1
203	17.5	14.8	22.2

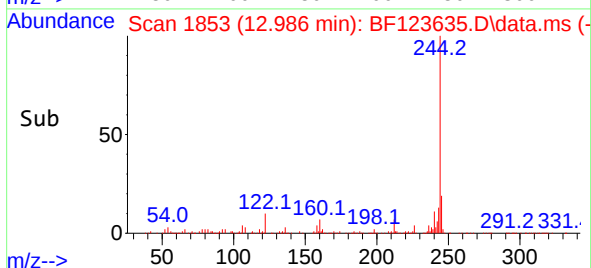
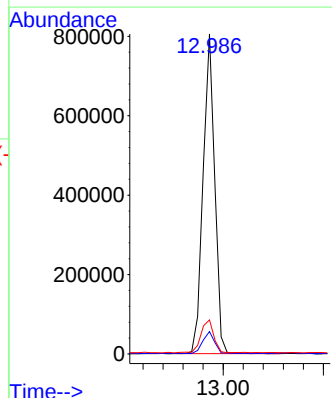


#79
Terphenyl-d14
Concen: 20.28 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06



Tgt Ion:244 Resp: 651256

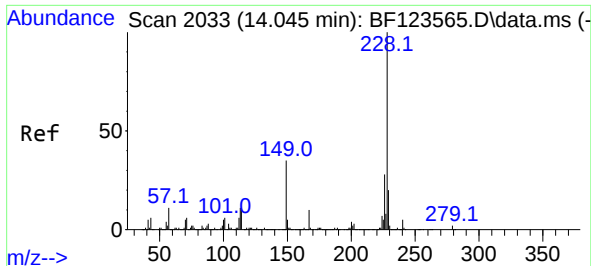
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	10.6	9.7	14.5



Instrument :
BNA_F
ClientSampled :
1979

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4/21/2021 8:34:59 AM



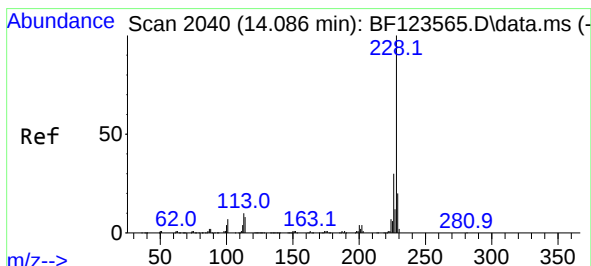
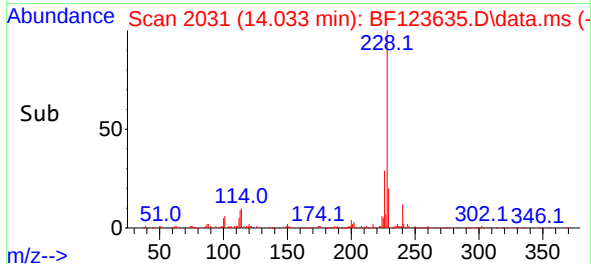
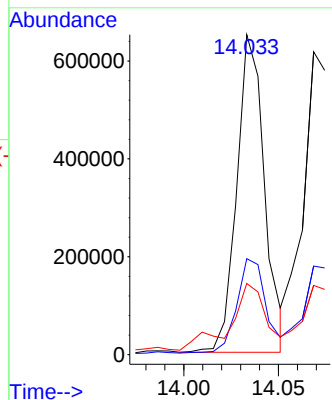
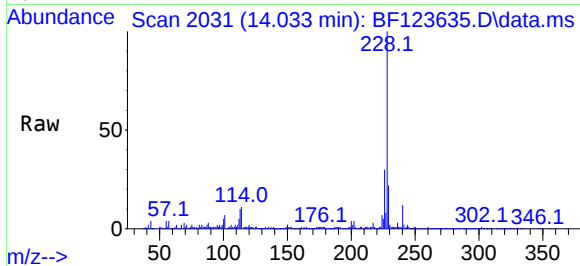
#81
Benzo(a)anthracene
Concen: 17.26 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:228 Resp: 660179
Ion Ratio Lower Upper
228 100
226 30.0 22.4 33.6
229 22.3 16.0 24.0

Instrument :
BNA_F
ClientSampleId :
1979

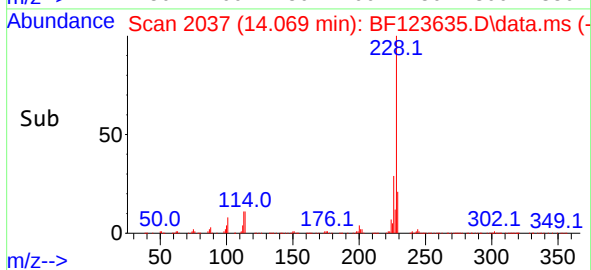
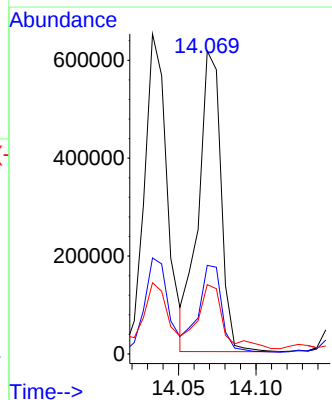
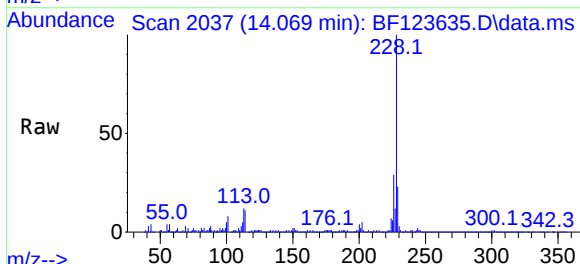
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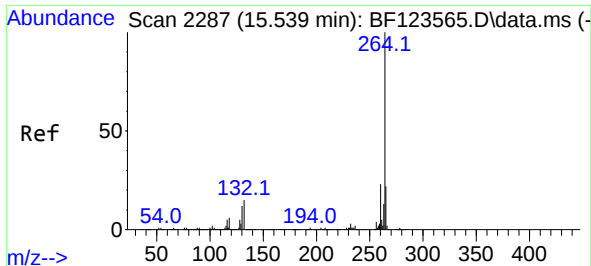
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4/21/2021 8:34:59 AM



#83
Chrysene
Concen: 16.20 ng
RT: 14.069 min Scan# 2037
Delta R.T. -0.018 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:228 Resp: 622492
Ion Ratio Lower Upper
228 100
226 29.3 24.3 36.5
229 22.8 16.2 24.2





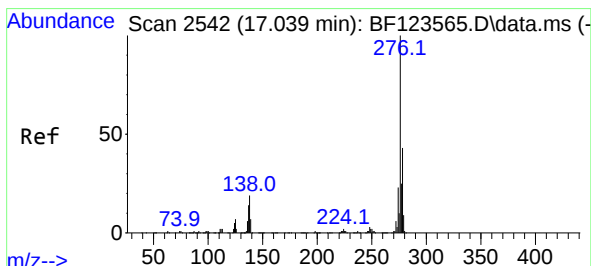
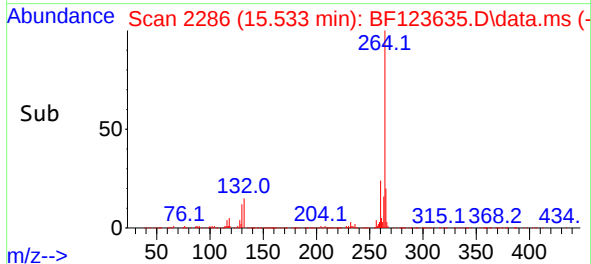
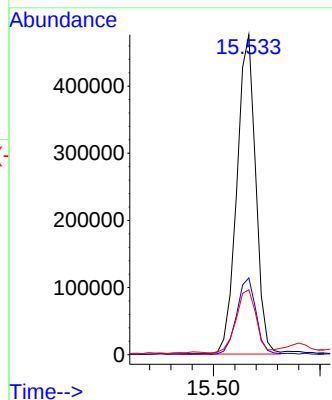
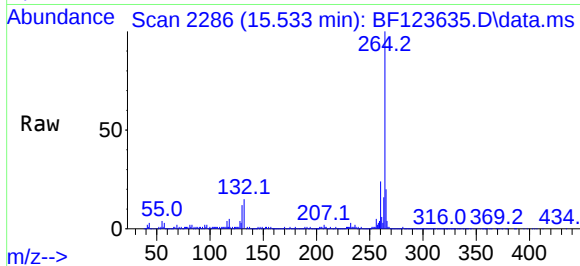
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.006 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion: 264 Resp: 585172
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 20.3 17.8 26.8

Instrument :
BNA_F
ClientSampled :
1979

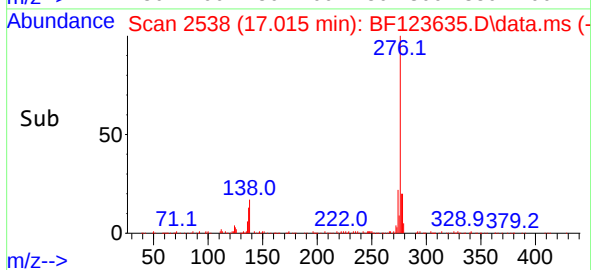
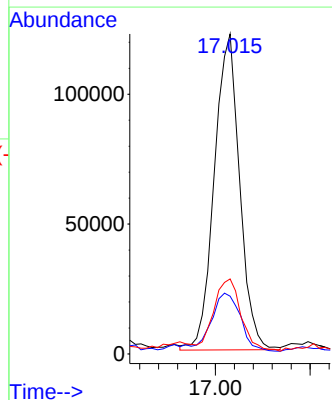
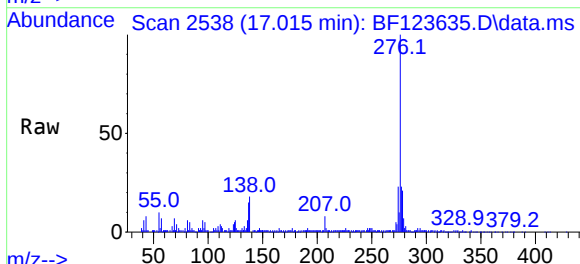
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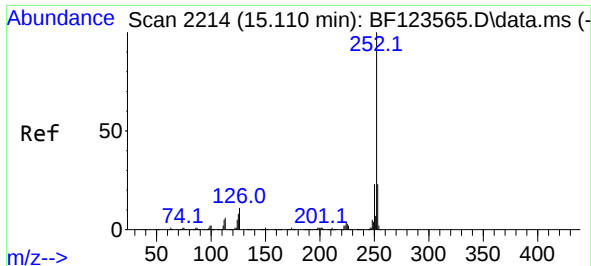
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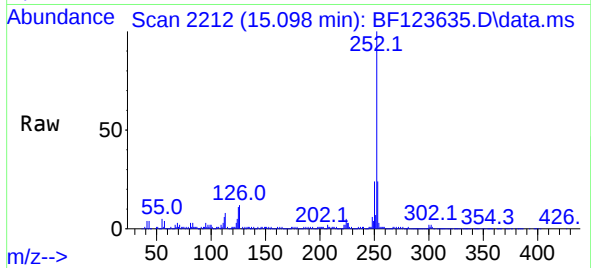
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.25 ng
RT: 17.015 min Scan# 2538
Delta R.T. -0.023 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion: 276 Resp: 226299
Ion Ratio Lower Upper
276 100
138 20.9 16.2 24.2
277 24.6 20.1 30.1

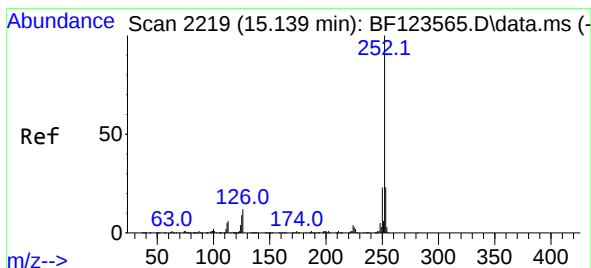
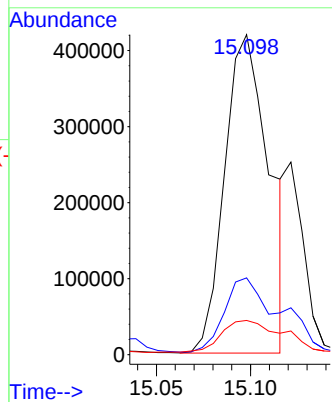
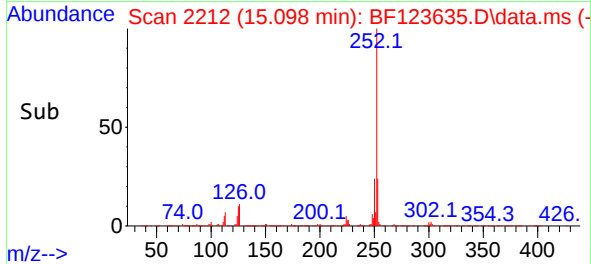




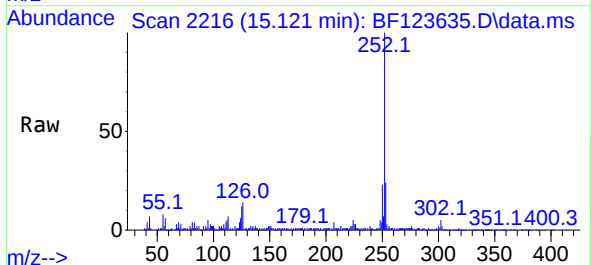
#88
Benzo(b)fluoranthene
Concen: 16.67 ng m
RT: 15.098 min Scan# 2212
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06



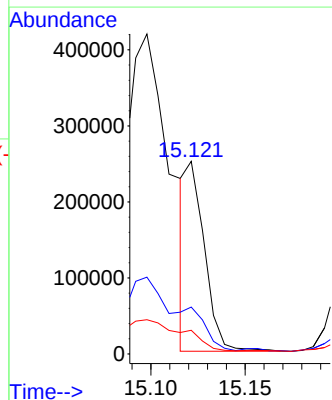
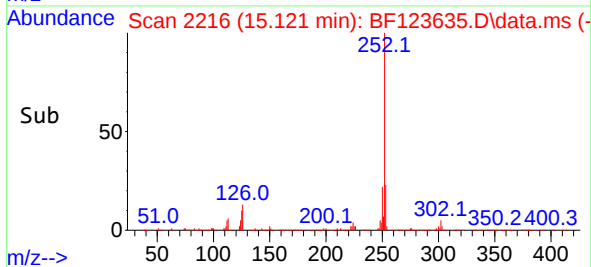
Tgt Ion:252 Resp: 688844
Ion Ratio Lower Upper
252 100
253 24.0 18.1 27.1
125 10.7 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 3.07 ng m
RT: 15.121 min Scan# 2216
Delta R.T. -0.018 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06



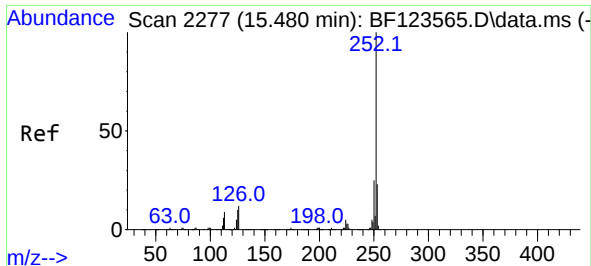
Tgt Ion:252 Resp: 168354
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 12.3 7.0 10.6#



Instrument :
BNA_F
ClientSampled :
1979

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4/21/2021 8:34:59 AM



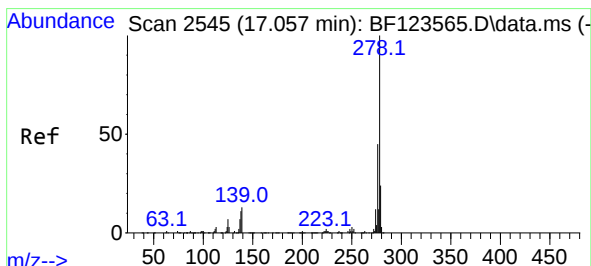
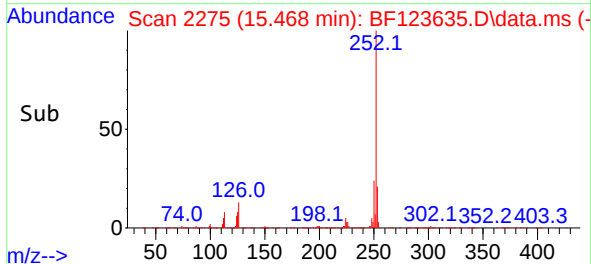
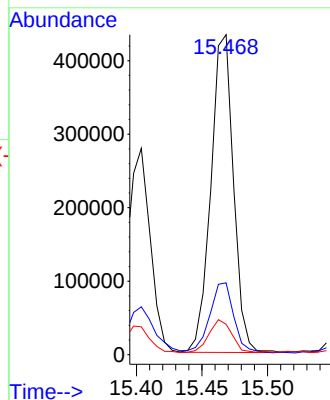
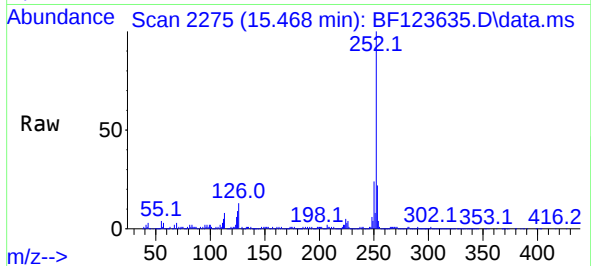
#90
Benzo(a)pyrene
Concen: 15.80 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:252 Resp: 519151
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 9.5 8.0 12.0

Instrument :
BNA_F
ClientSampled :
1979

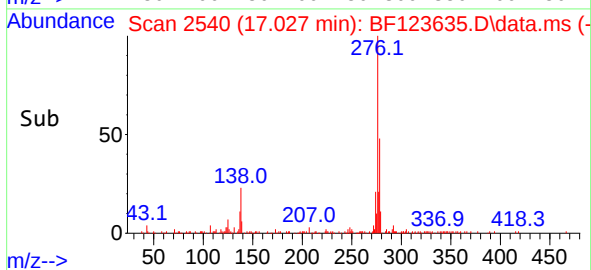
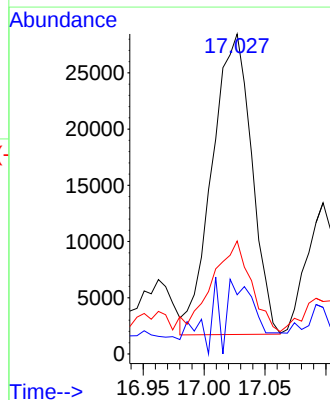
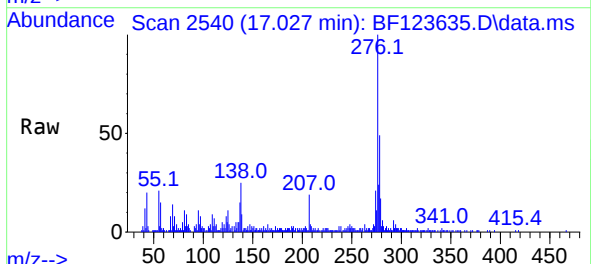
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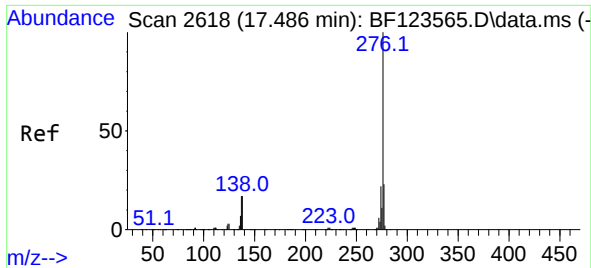
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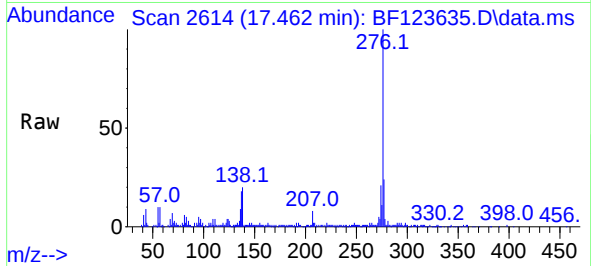
#91
Dibenzo(a,h)anthracene
Concen: 2.28 ng
RT: 17.027 min Scan# 2540
Delta R.T. -0.029 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:278 Resp: 60337
Ion Ratio Lower Upper
278 100
139 18.5 10.2 15.2#
279 35.3 19.4 29.0#

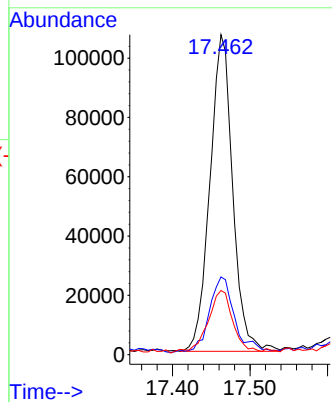
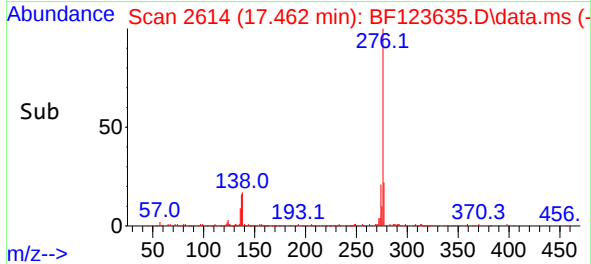




#92
Benzo(g,h,i)perylene
Concen: 10.13 ng
RT: 17.462 min Scan# 2614
Delta R.T. -0.023 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06



Tgt Ion:	276	Resp:	218129
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.2	27.2
138	20.0	13.8	20.6



Instrument :
BNA_F
ClientSampleId :
1979

Manual Integrations
APPROVED

mohammad
4/21/2021 8:34:59 AM