

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042021\
 Data File : BF123643.D
 Acq On : 20 Apr 2021 15:11
 Operator : JU/CG
 Sample : M2050-09DL 4X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4DL

Manual Integrations
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Quant Time: Apr 20 16:56:35 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	249081	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	944339	20.00	ng	# 0.00
39) Acenaphthene-d10	9.892	164	473163	20.00	ng	0.00
64) Phenanthrene-d10	11.380	188	887778	20.00	ng	0.00
76) Chrysene-d12	14.027	240	554599	20.00	ng	# 0.00
86) Perylene-d12	15.509	264	533701	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	342258	22.21	ng	0.00
7) Phenol-d6	6.481	99	465643	21.80	ng	-0.01
23) Nitrobenzene-d5	7.404	82	328877	16.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	117434	21.92	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	470113	14.81	ng	0.00
79) Terphenyl-d14	12.968	244	375888	13.17	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.922	154	62542	2.14	ng	96
58) Fluorene	10.439	166	96604	2.93	ng	99
71) Phenanthrene	11.410	178	1447579	31.24	ng	100
72) Anthracene	11.457	178	343346	7.41	ng	99
73) Carbazole	11.610	167	126324	2.73	ng	99
75) Fluoranthene	12.604	202	1868243	36.69	ng	98
78) Pyrene	12.833	202	1680399	41.52	ng	99
81) Benzo(a)anthracene	14.021	228	691668	20.35	ng	99
83) Chrysene	14.057	228	629978	18.46	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	403219	14.16	ng	98
88) Benzo(b)fluoranthene	15.074	252	708981m	18.81	ng	
89) Benzo(k)fluoranthene	15.104	252	274177m	6.77	ng	
90) Benzo(a)pyrene	15.445	252	546987	18.25	ng	97
91) Dibenzo(a,h)anthracene	16.992	278	100447	4.17	ng	# 95
92) Benzo(g,h,i)perylene	17.433	276	379645	19.00	ng	97

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

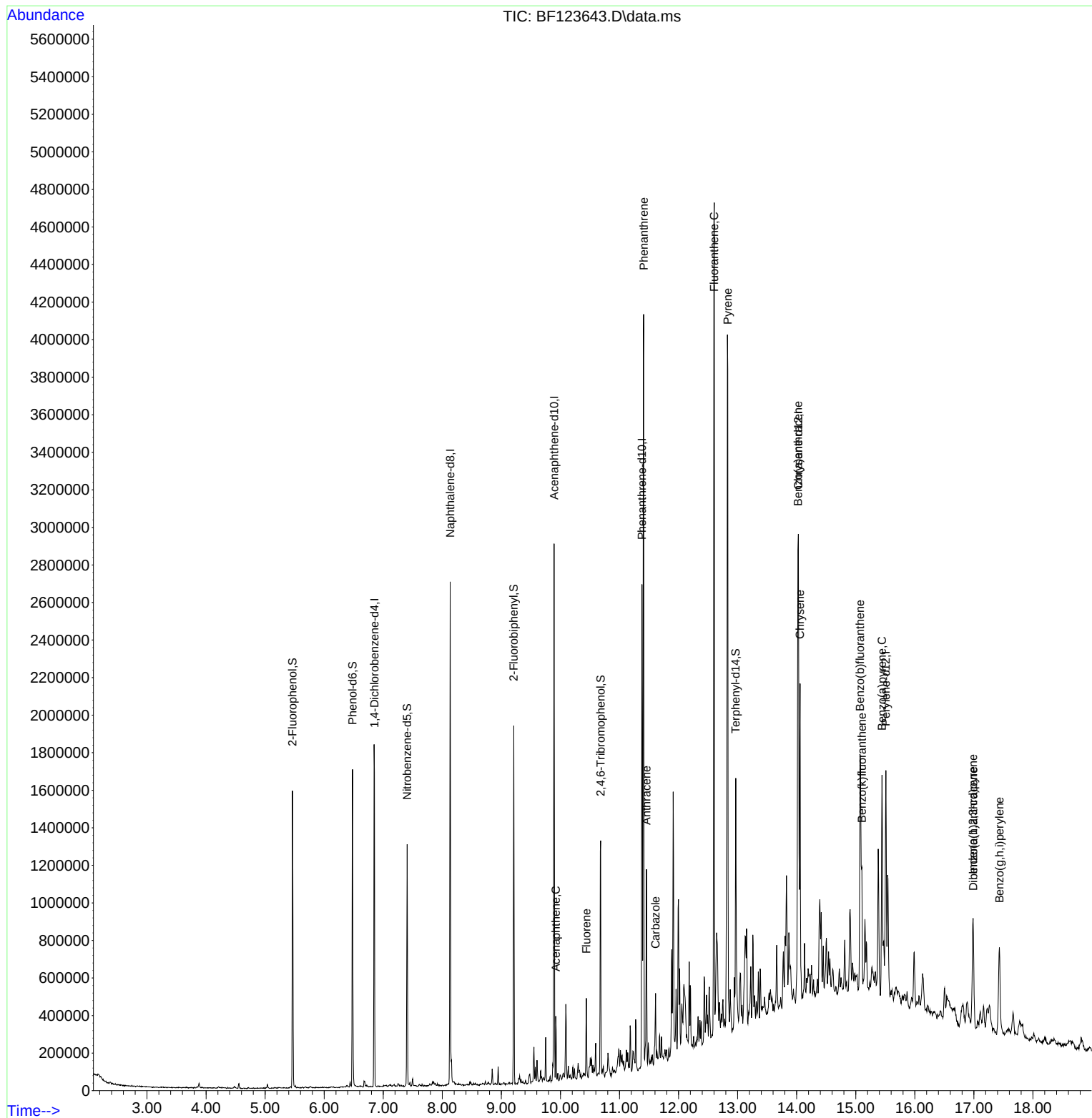
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042021\
Data File : BF123643.D
Acq On : 20 Apr 2021 15:11
Operator : JU/CG
Sample : M2050-09DL 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

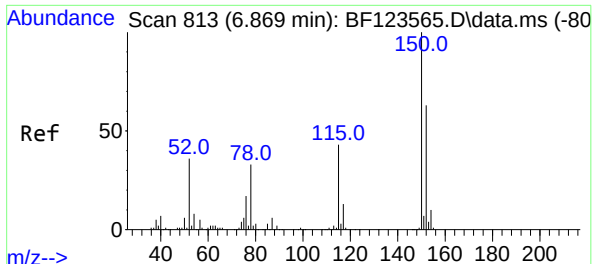
Instrument :
BNA_F
ClientSampled :
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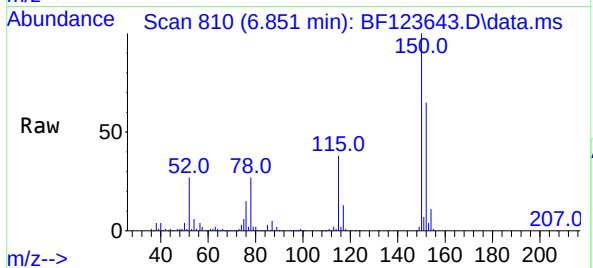
Quant Time: Apr 20 16:56:35 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 20 15:49:40 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

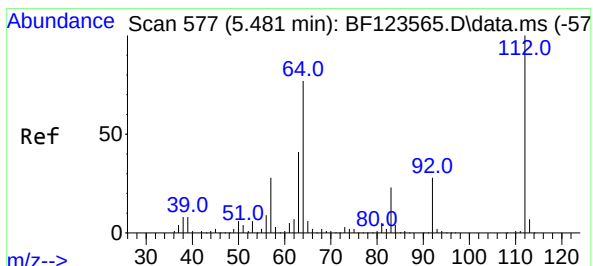
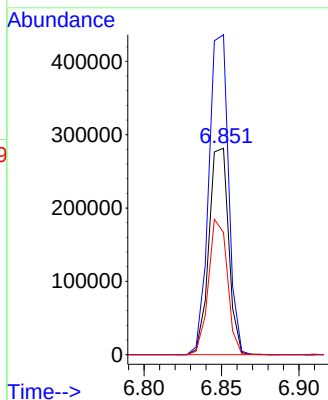
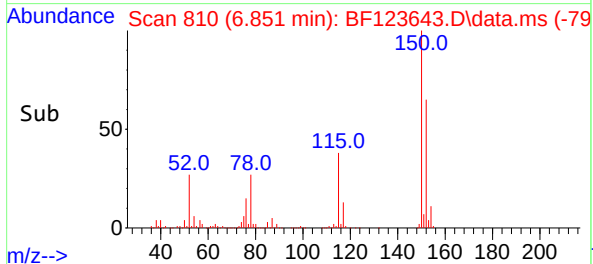
Instrument :
BNA_F
ClientSampled :
TP-4DL



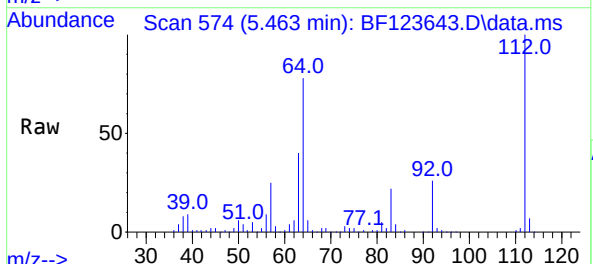
Tgt Ion:152 Resp: 249081
Ion Ratio Lower Upper
152 100
150 155.0 127.0 190.6
115 59.2 54.3 81.5

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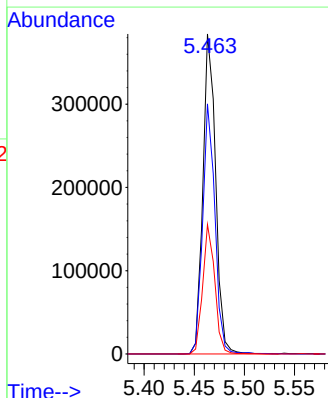
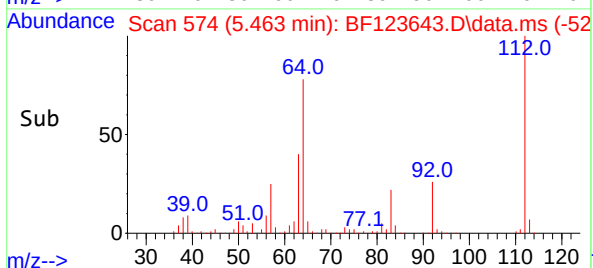
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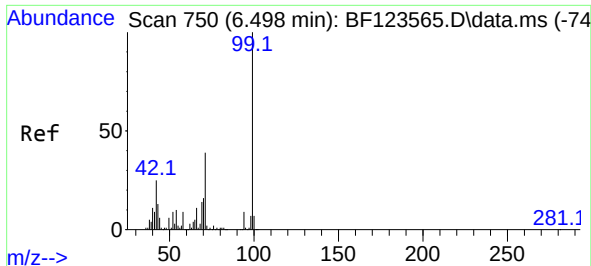


#5
2-Fluorophenol
Concen: 22.21 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.006 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

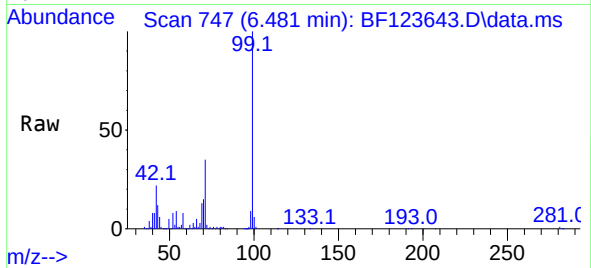


Tgt Ion:112 Resp: 342258
Ion Ratio Lower Upper
112 100
64 78.2 61.4 92.0
63 40.4 33.0 49.4

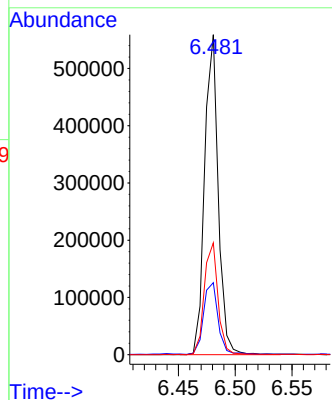




#7
Phenol-d6
Concen: 21.80 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11



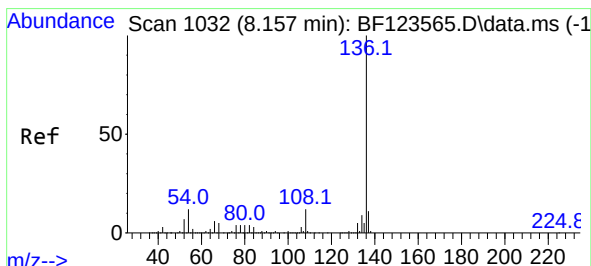
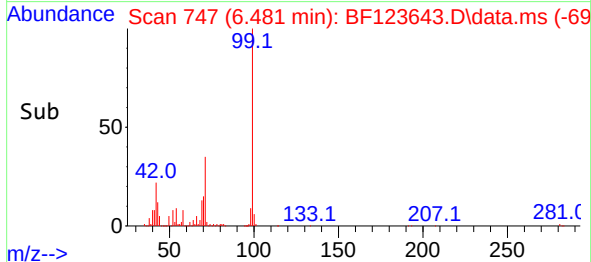
Tgt Ion: 99 Resp: 465643
Ion Ratio Lower Upper
99 100
42 22.5 19.8 29.8
71 35.0 31.1 46.7



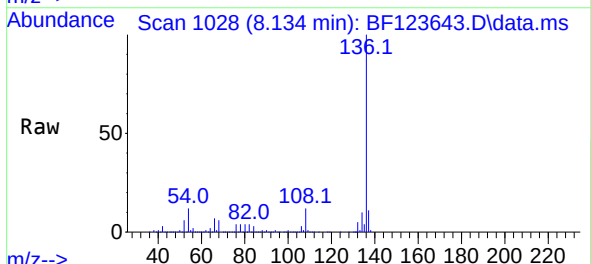
Instrument :
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ClientSampled :
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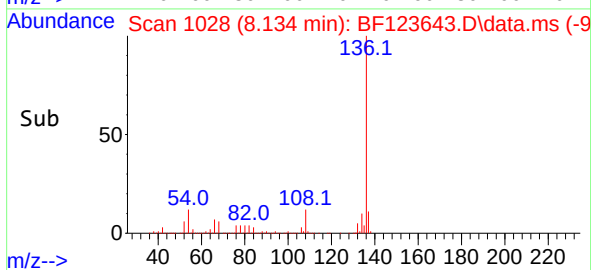
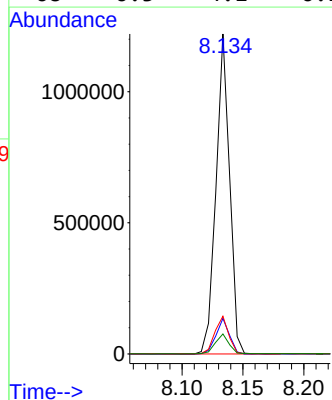
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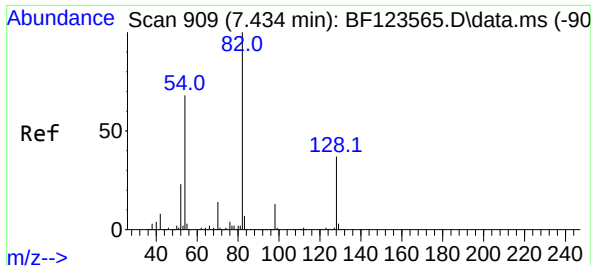


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11



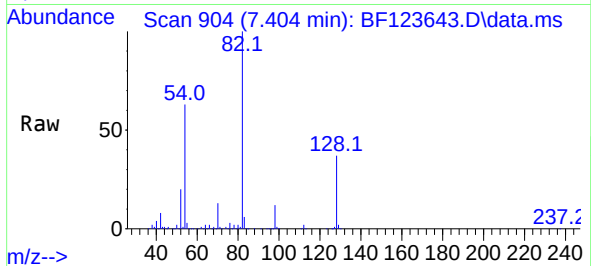
Tgt Ion: 136 Resp: 944339
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 11.8 9.8 14.6
68 6.3 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 16.01 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

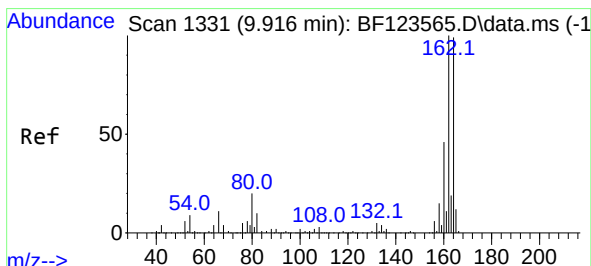
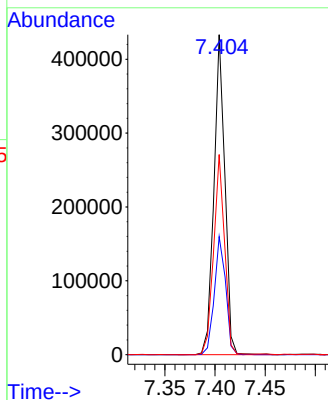
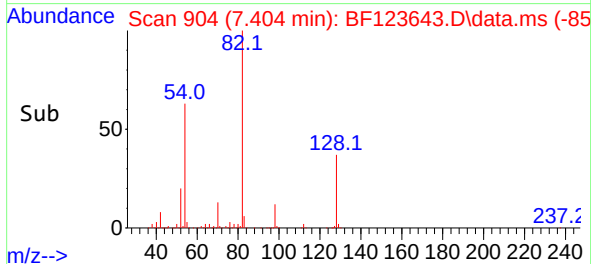
Instrument :
BNA_F
ClientSampleId :
TP-4DL



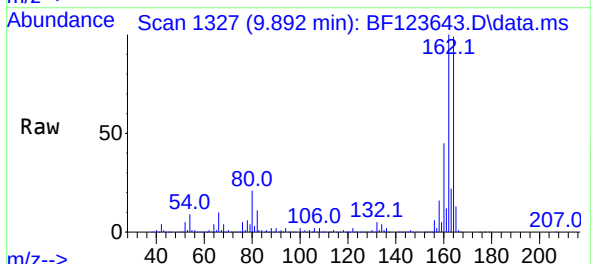
Tgt Ion: 82 Resp: 328877
Ion Ratio Lower Upper
82 100
128 36.9 29.4 44.2
54 62.5 54.1 81.1

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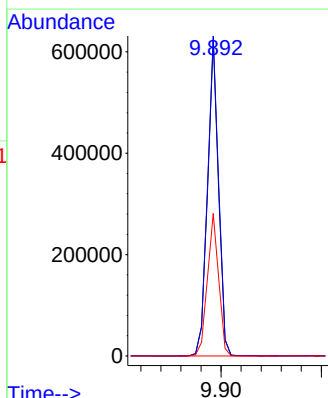
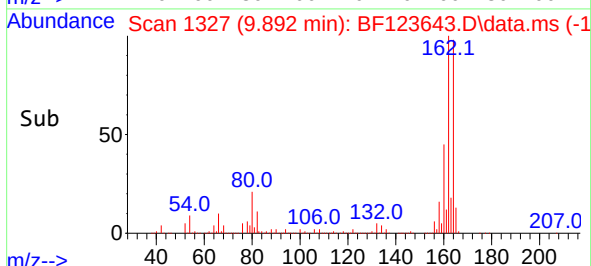
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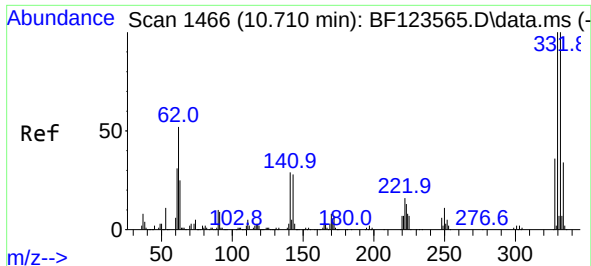


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11



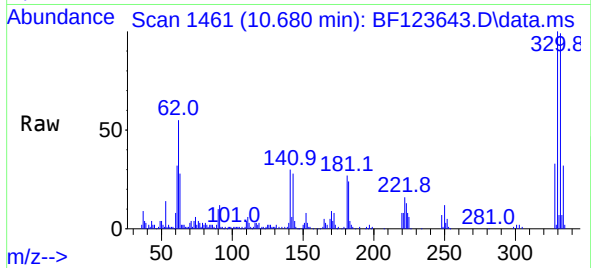
Tgt Ion: 164 Resp: 473163
Ion Ratio Lower Upper
164 100
162 101.1 80.7 121.1
160 45.1 37.3 55.9





#42
2,4,6-Tribromophenol
Concen: 21.92 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

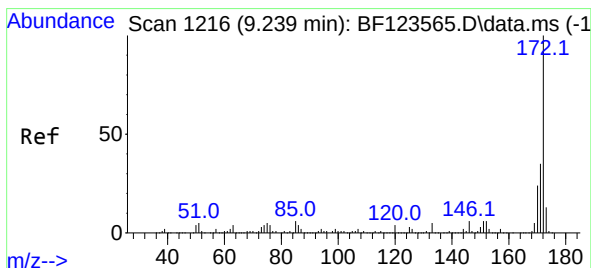
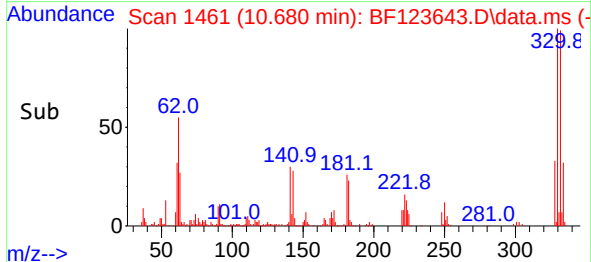
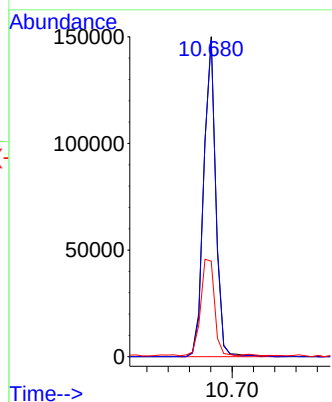
Instrument :
BNA_F
ClientSampled :
TP-4DL



Tgt Ion: 330 Resp: 117434
Ion Ratio Lower Upper
330 100
332 99.2 77.1 115.7
141 34.8 27.9 41.9

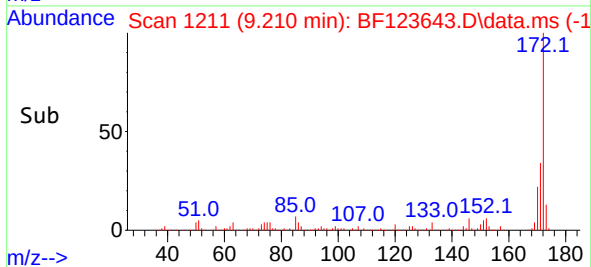
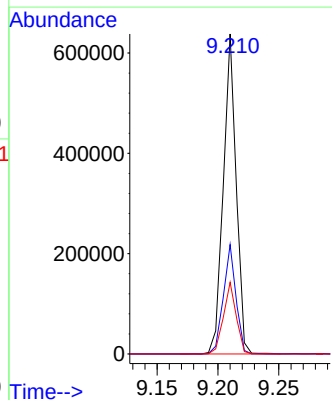
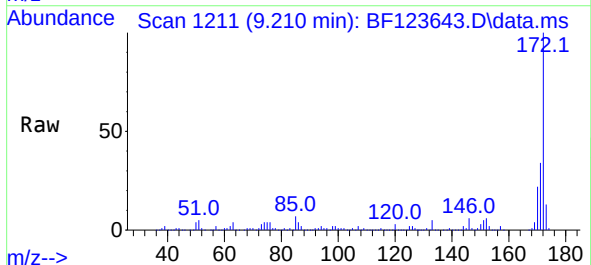
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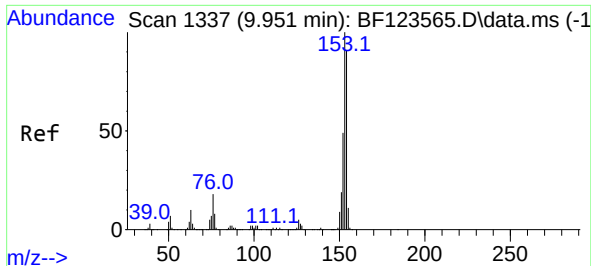
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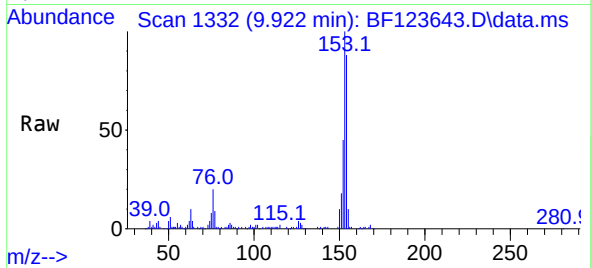
#45
2-Fluorobiphenyl
Concen: 14.81 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

Tgt Ion: 172 Resp: 470113
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 22.4 19.2 28.8

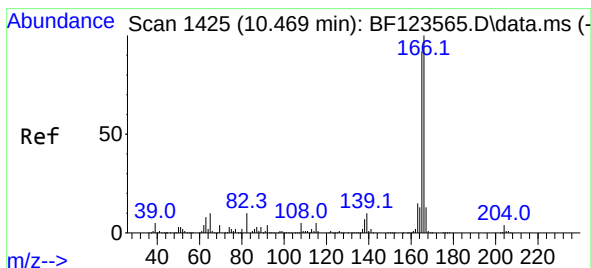
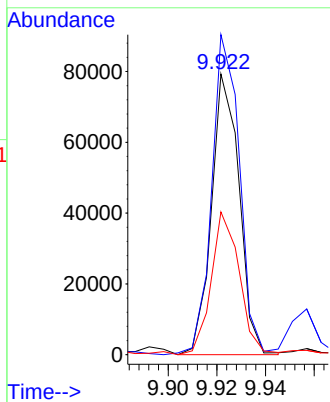
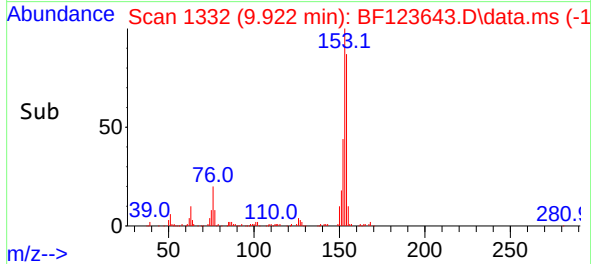




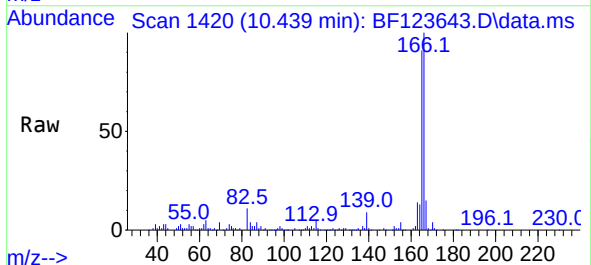
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Acenaphthene
Concen: 2.14 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11



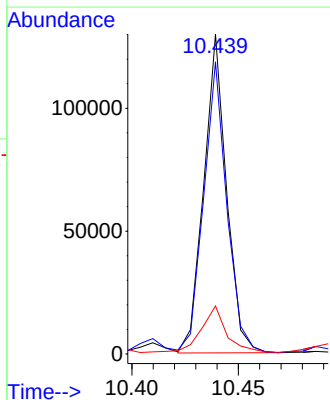
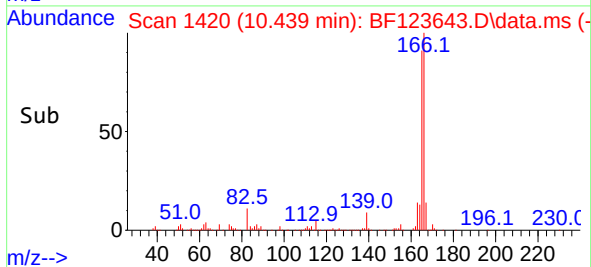
Tgt Ion:154 Resp: 62542
Ion Ratio Lower Upper
154 100
153 114.0 88.1 132.1
152 50.9 43.4 65.0



#58
Fluorene
Concen: 2.93 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11



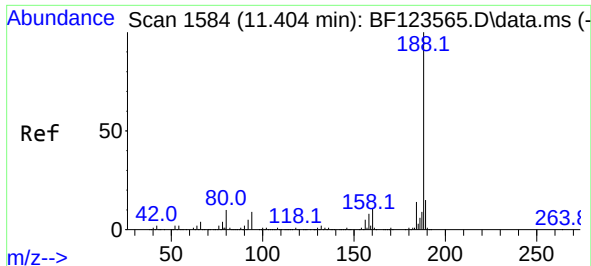
Tgt Ion:166 Resp: 96604
Ion Ratio Lower Upper
166 100
165 91.3 73.5 110.3
167 15.0 10.7 16.1



Instrument :
BNA_F
ClientSampleId :
TP-4DL

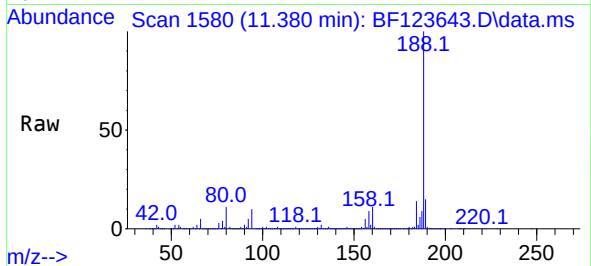
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

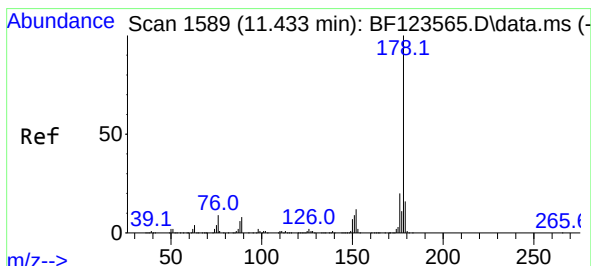
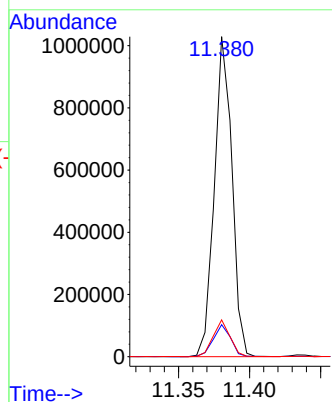
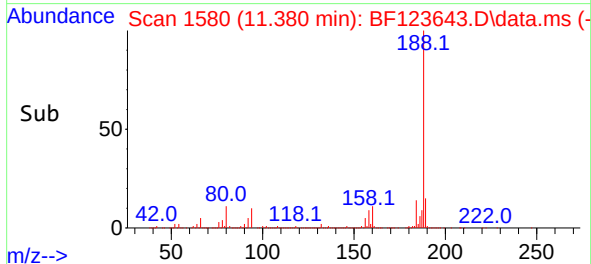
Instrument :
BNA_F
ClientSampled :
TP-4DL



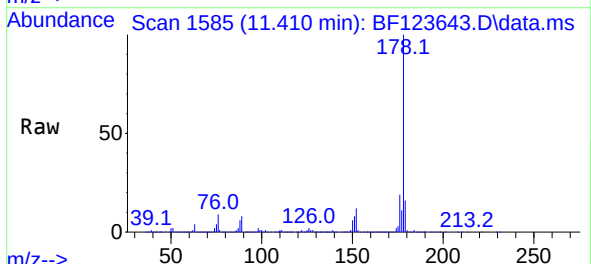
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Ion Ratio Lower Upper
188 100
94 10.0 6.9 10.3
80 11.5 8.2 12.2

Manual Integrations
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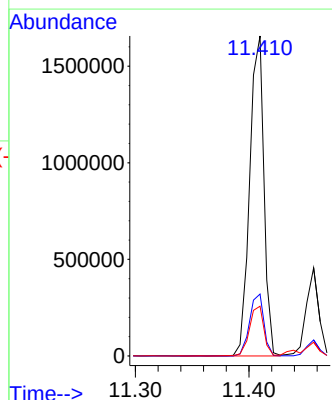
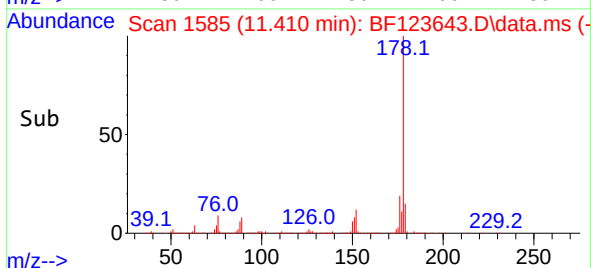
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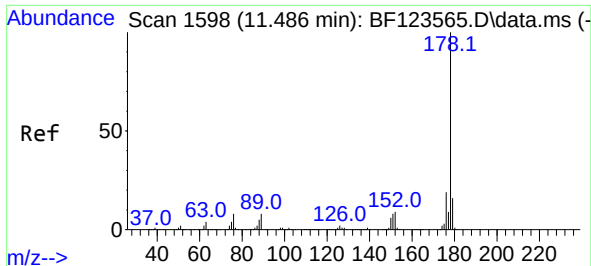


#71
Phenanthrene
Concen: 31.24 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

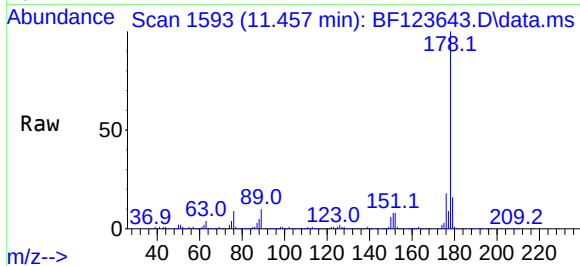


Tgt Ion:178 Resp: 1447579
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.5 12.5 18.7

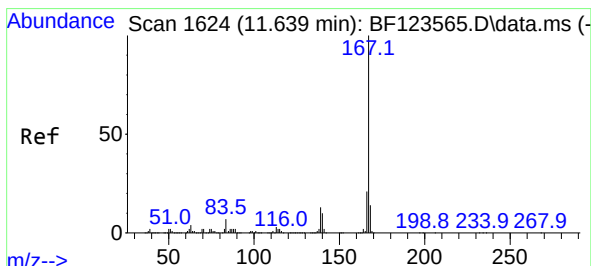
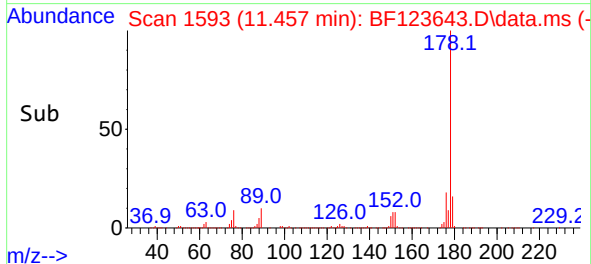
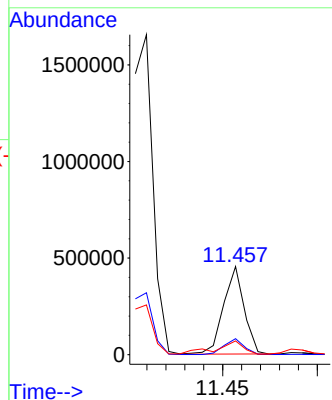




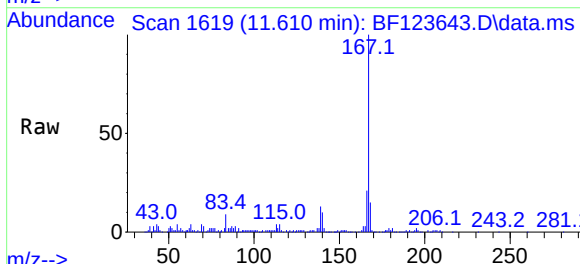
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 Anthracene
 Concen: 7.41 ng
 RT: 11.457 min Scan# 1593
 Delta R.T. -0.006 min
 Lab File: BF123643.D
 Acq: 20 Apr 2021 15:11



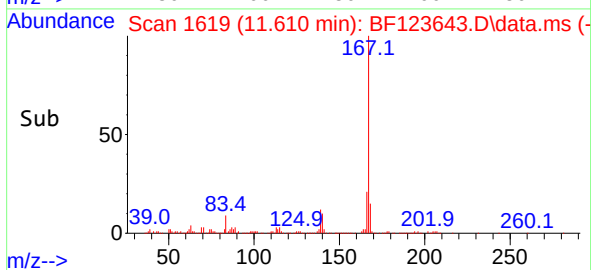
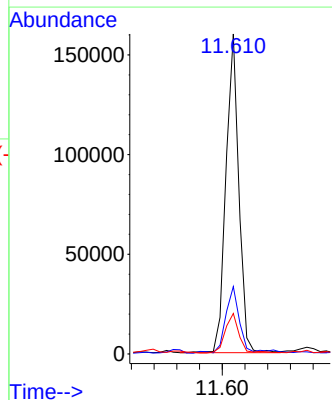
Tgt Ion:178 Resp: 343346
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.0
 179 15.6 12.6 18.8



#73
 Carbazole
 Concen: 2.73 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. -0.006 min
 Lab File: BF123643.D
 Acq: 20 Apr 2021 15:11



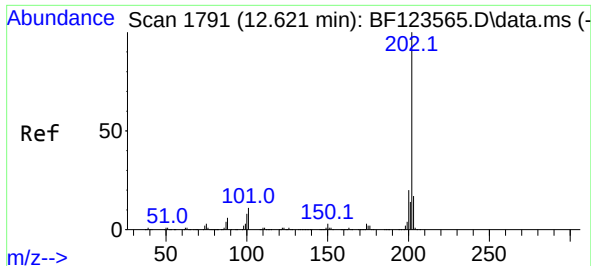
Tgt Ion:167 Resp: 126324
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.6
 139 12.6 10.4 15.6



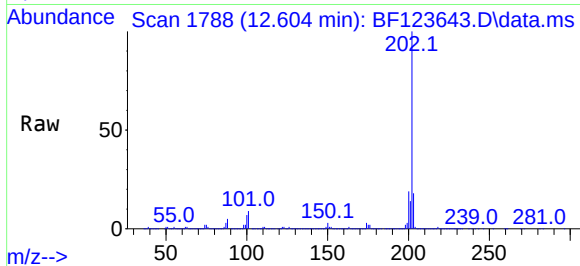
Instrument :
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 ClientSampleId :
 TP-4DL

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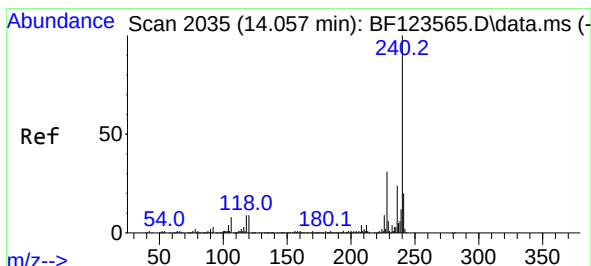
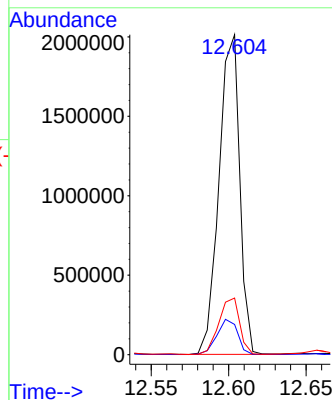
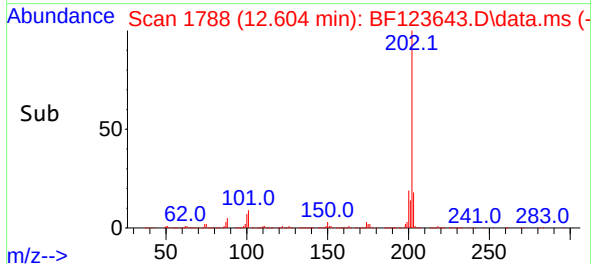
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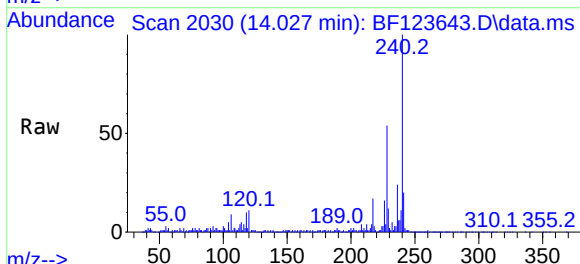
#75
Fluoranthene
Concen: 36.69 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11



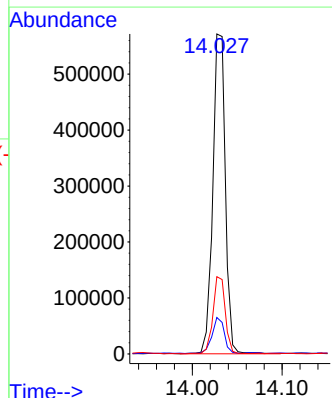
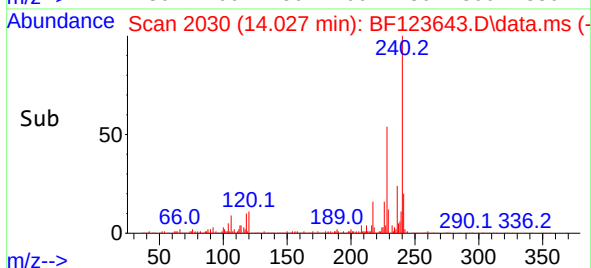
Tgt Ion:202 Resp: 1868243
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.9
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11



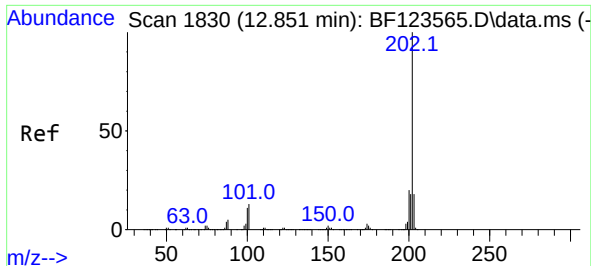
Tgt Ion:240 Resp: 554599
Ion Ratio Lower Upper
240 100
120 11.4 7.2 10.8#
236 24.2 19.0 28.4



Instrument :
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ClientSampleId :
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#78
Pyrene
Concen: 41.52 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.000 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

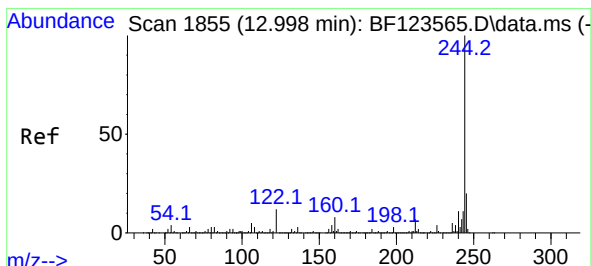
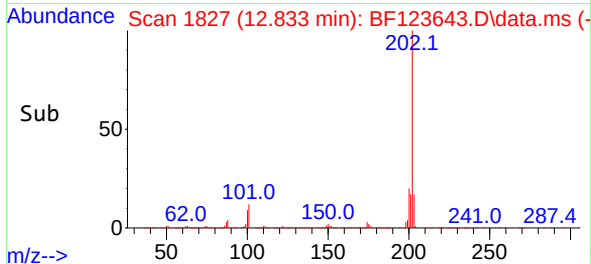
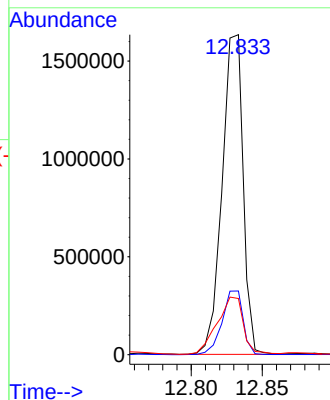
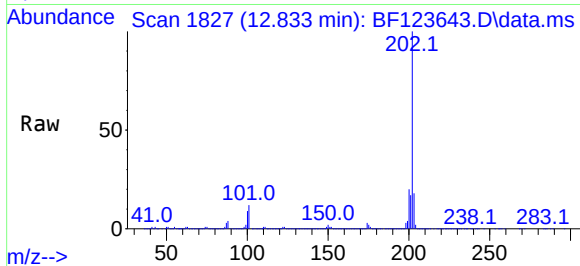
Tgt Ion:202 Resp: 1680399

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.1	24.1
203	17.6	14.8	22.2

Instrument :
BNA_F
ClientSampleId :
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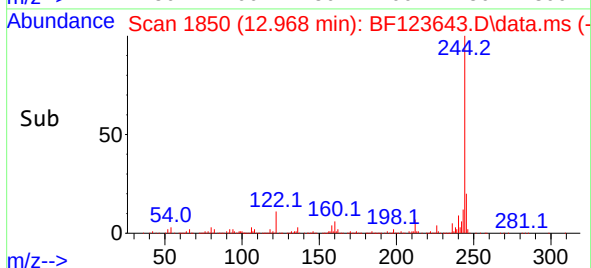
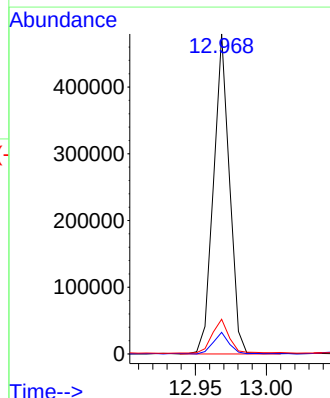
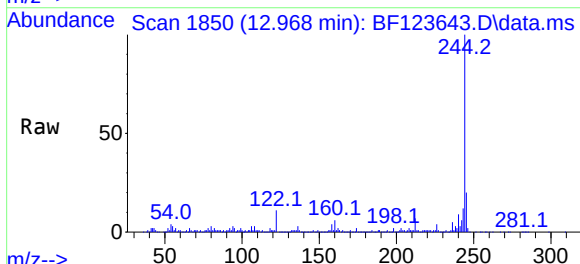
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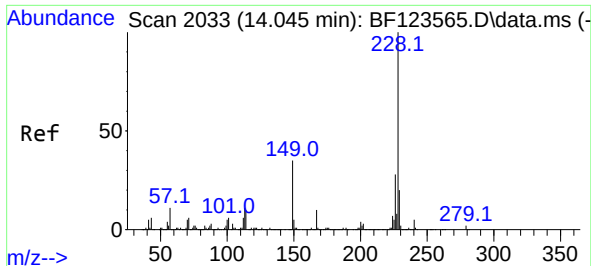


#79
Terphenyl-d14
Concen: 13.17 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

Tgt Ion:244 Resp: 375888

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.9	9.7	14.5





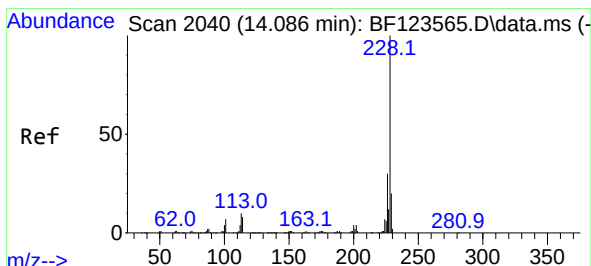
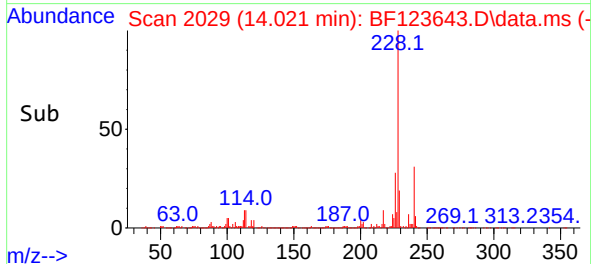
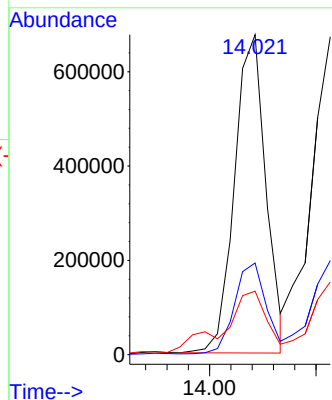
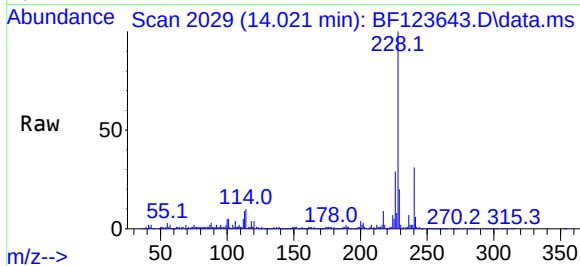
#81
Benzo(a)anthracene
Concen: 20.35 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

Tgt Ion:228 Resp: 691668
Ion Ratio Lower Upper
228 100
226 28.6 22.4 33.6
229 19.8 16.0 24.0

Instrument :
BNA_F
ClientSampled :
TP-4DL

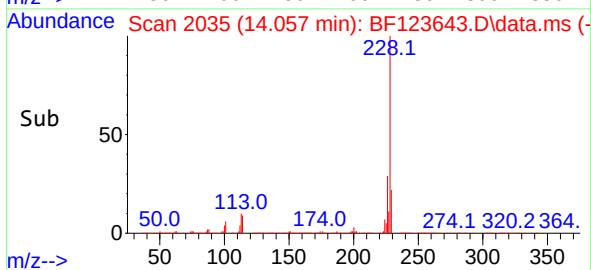
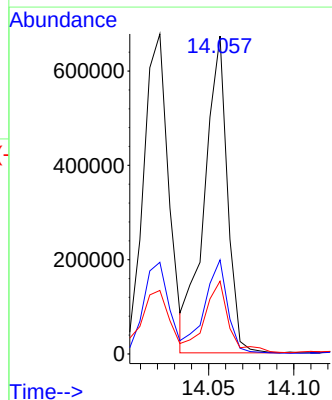
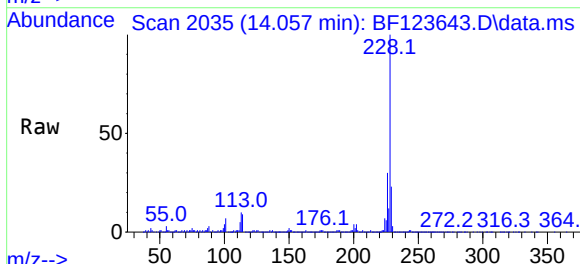
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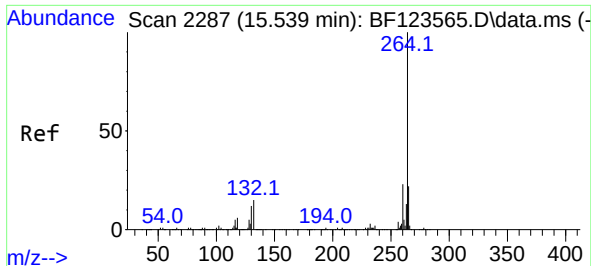
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#83
Chrysene
Concen: 18.46 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

Tgt Ion:228 Resp: 629978
Ion Ratio Lower Upper
228 100
226 29.6 24.3 36.5
229 22.9 16.2 24.2





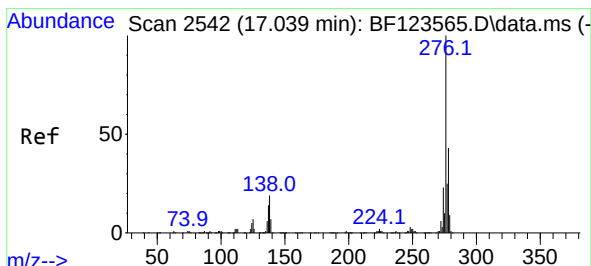
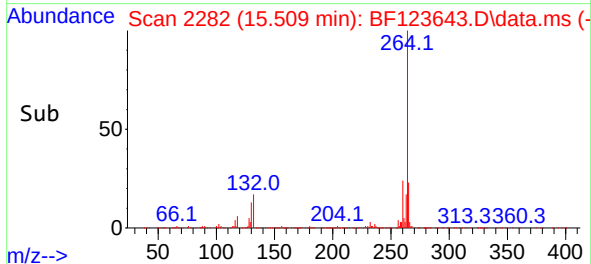
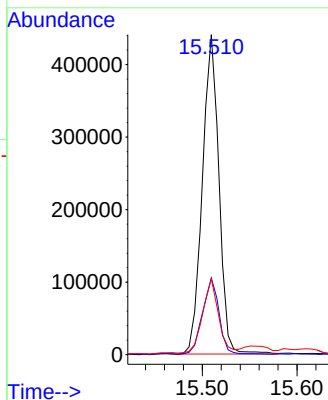
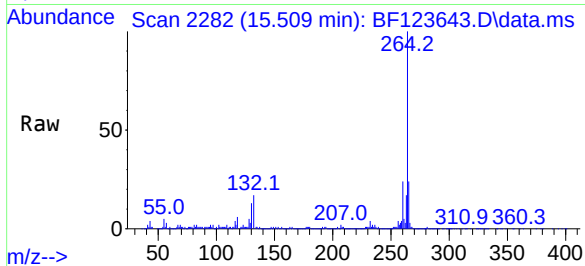
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.509 min Scan# 2282
Delta R.T. 0.006 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

Tgt Ion: 264 Resp: 533701
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 23.7 17.8 26.8

Instrument :
BNA_F
ClientSampleId :
TP-4DL

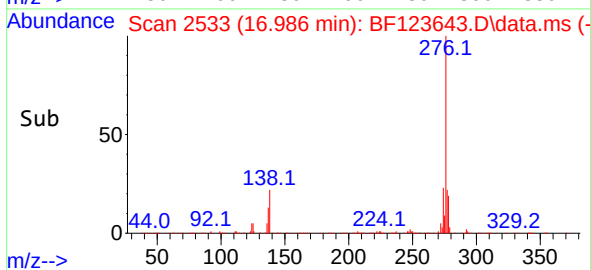
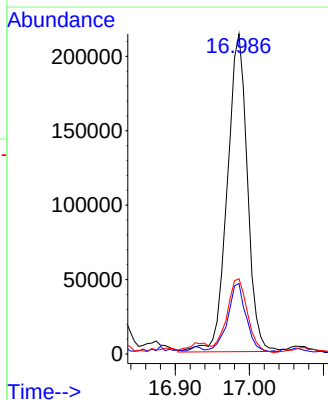
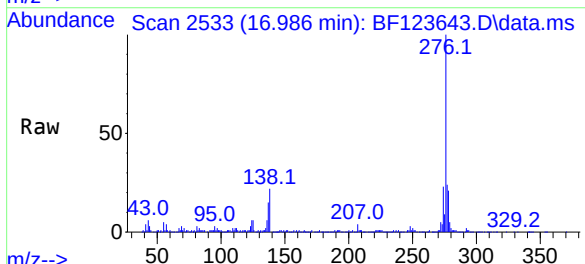
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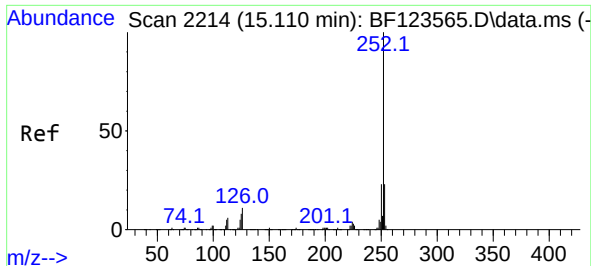
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#87
Indeno(1,2,3-cd)pyrene
Concen: 14.16 ng
RT: 16.986 min Scan# 2533
Delta R.T. -0.000 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

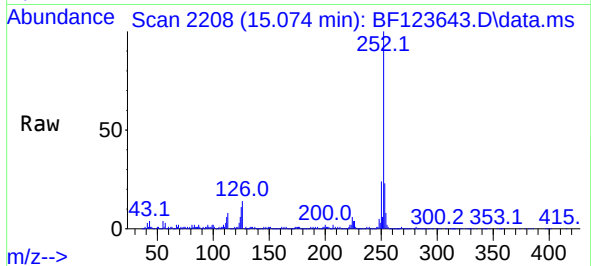
Tgt Ion: 276 Resp: 403219
Ion Ratio Lower Upper
276 100
138 19.8 16.2 24.2
277 23.7 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 18.81 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

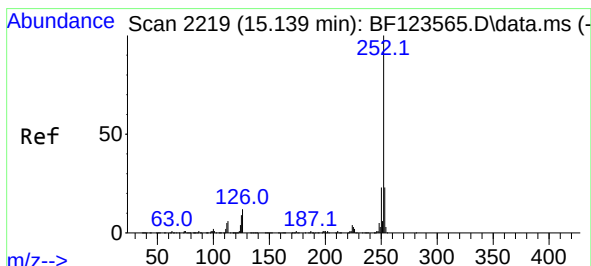
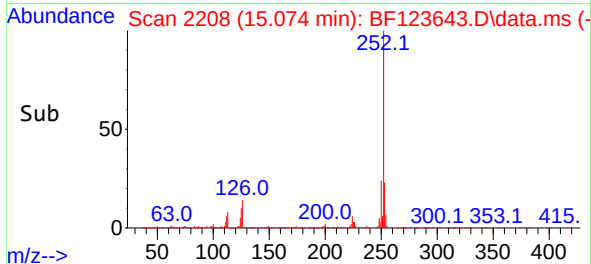
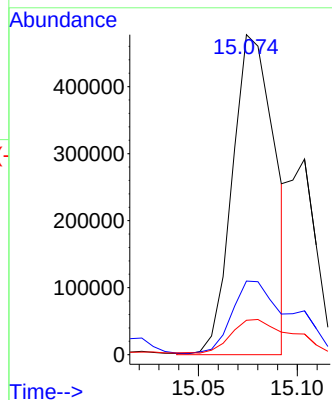
Instrument :
BNA_F
ClientSampled :
TP-4DL



Tgt Ion:252 Resp: 708981
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 10.8 6.2 9.4#

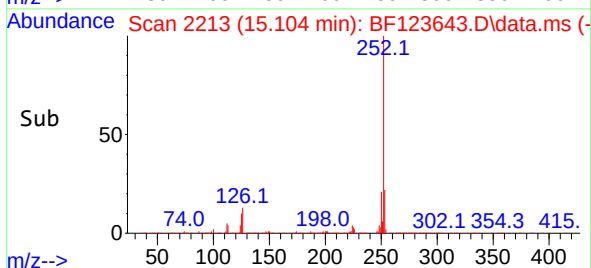
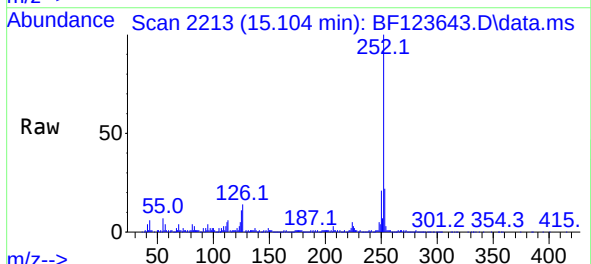
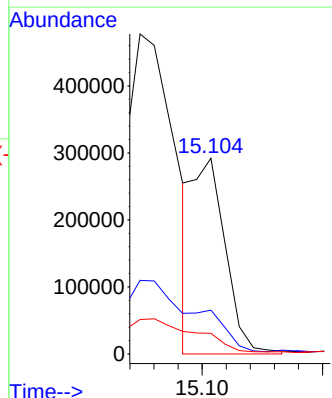
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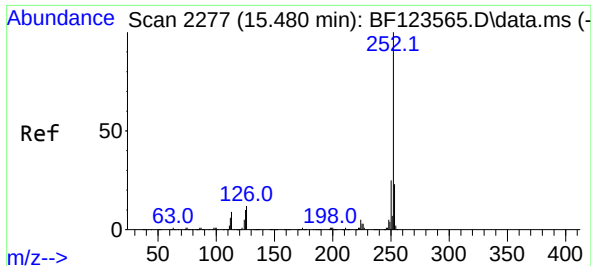
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#89
Benzo(k)fluoranthene
Concen: 6.77 ng m
RT: 15.104 min Scan# 2213
Delta R.T. -0.006 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

Tgt Ion:252 Resp: 274177
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 10.6 7.0 10.6#





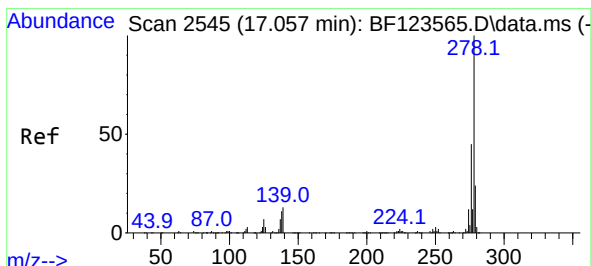
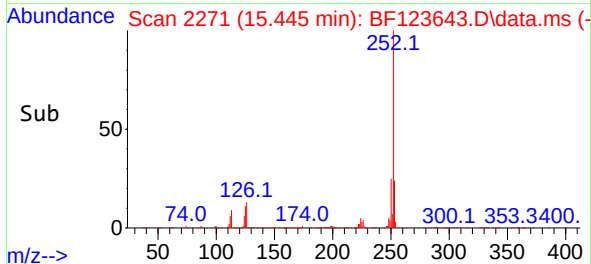
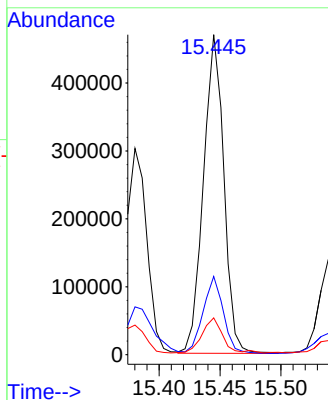
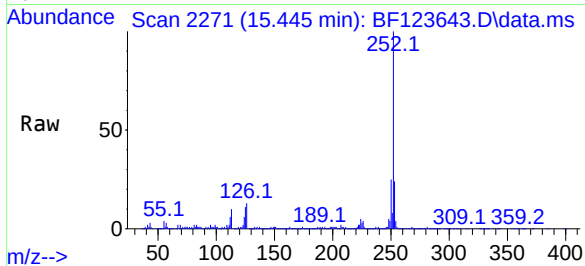
#90
Benzo(a)pyrene
Concen: 18.25 ng
RT: 15.445 min Scan# 2271
Delta R.T. -0.000 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

Tgt Ion: 252 Resp: 546987
Ion Ratio Lower Upper
252 100
253 24.4 18.4 27.6
125 11.5 8.0 12.0

Instrument :
BNA_F
ClientSampled :
TP-4DL

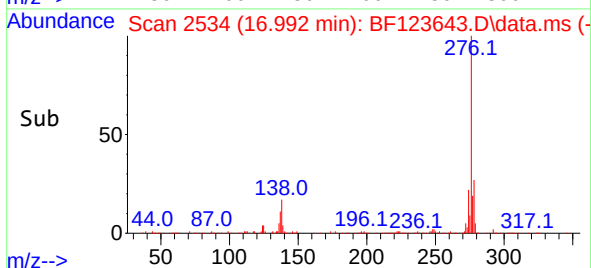
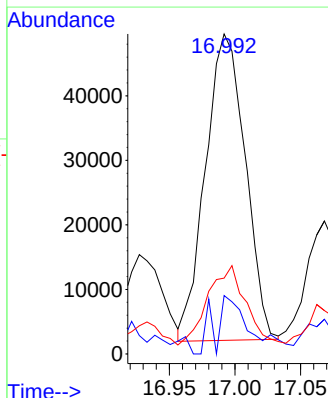
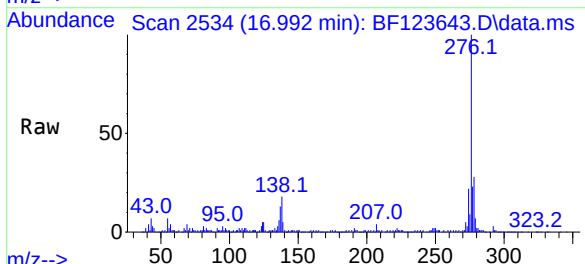
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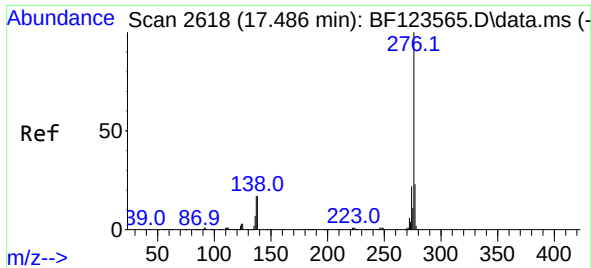
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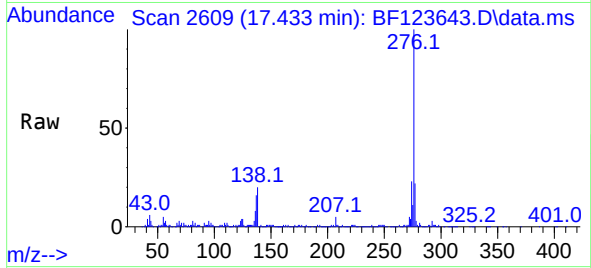
#91
Dibenzo(a,h)anthracene
Concen: 4.17 ng
RT: 16.992 min Scan# 2534
Delta R.T. -0.012 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11

Tgt Ion: 278 Resp: 100447
Ion Ratio Lower Upper
278 100
139 18.2 10.2 15.2#
279 23.7 19.4 29.0

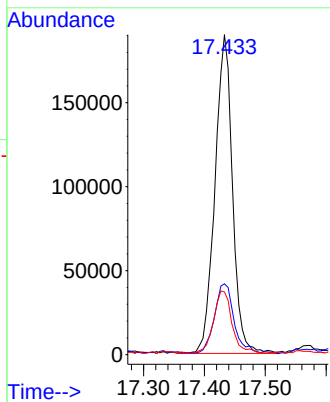
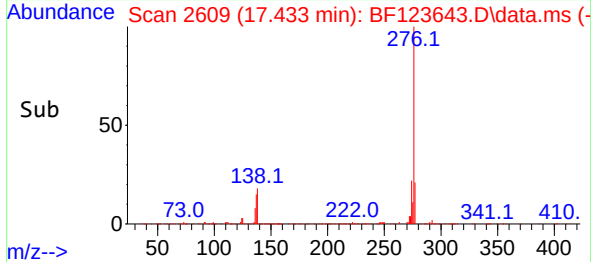




#92
Benzo(g,h,i)perylene
Concen: 19.00 ng
RT: 17.433 min Scan# 2609
Delta R.T. -0.006 min
Lab File: BF123643.D
Acq: 20 Apr 2021 15:11



Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.2	27.2
138	19.6	13.8	20.6



Instrument :
BNA_F
ClientSampleId :
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