

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
 Data File : BF123634.D
 Acq On : 19 Apr 2021 21:34
 Operator : JU/CG
 Sample : M2050-09DL 4X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4DL

Manual Integrations
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Quant Time: Apr 20 03:05:31 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	264027	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	993792	20.00	ng	#-0.01
39) Acenaphthene-d10	9.904	164	478584	20.00	ng	-0.01
64) Phenanthrene-d10	11.398	188	824595	20.00	ng	0.00
76) Chrysene-d12	14.045	240	569273	20.00	ng	-0.01
86) Perylene-d12	15.533	264	523764	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	463264	28.36	ng	0.00
7) Phenol-d6	6.492	99	618561	27.33	ng	0.00
23) Nitrobenzene-d5	7.422	82	438856	20.30	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	151880	28.02	ng	-0.02
45) 2-Fluorobiphenyl	9.222	172	620548	19.33	ng	-0.02
79) Terphenyl-d14	12.986	244	445162	15.20	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.939	154	80536	2.72	ng	97
55) Dibenzofuran	10.110	168	103609	2.44	ng	96
58) Fluorene	10.451	166	130365	3.91	ng	99
71) Phenanthrene	11.421	178	1748879	40.64	ng	99
72) Anthracene	11.468	178	404228	9.40	ng	100
73) Carbazole	11.621	167	153709	3.58	ng	98
75) Fluoranthene	12.615	202	2194581	46.40	ng	99
78) Pyrene	12.845	202	2001680	48.18	ng	99
81) Benzo(a)anthracene	14.033	228	932916	26.74	ng	100
83) Chrysene	14.074	228	815012	23.26	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	399118	14.28	ng	98
88) Benzo(b)fluoranthene	15.098	252	1036155m	28.02	ng	
89) Benzo(k)fluoranthene	15.121	252	273078m	6.90	ng	
90) Benzo(a)pyrene	15.468	252	719668	24.47	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	100411m	4.25	ng	
92) Benzo(g,h,i)perylene	17.468	276	345055	17.69	ng	97

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

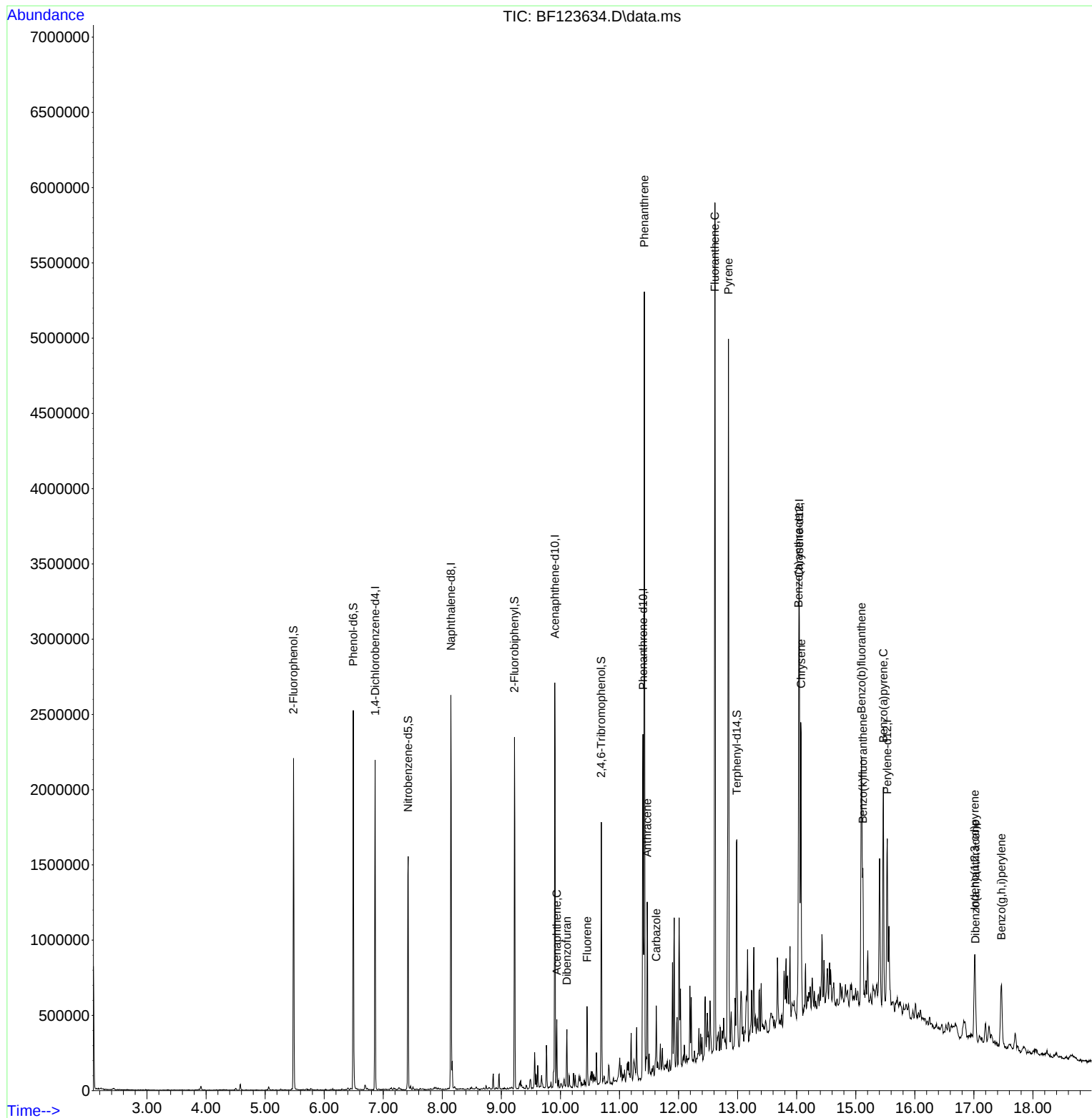
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
Data File : BF123634.D
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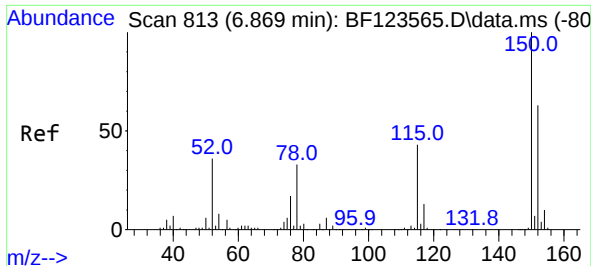
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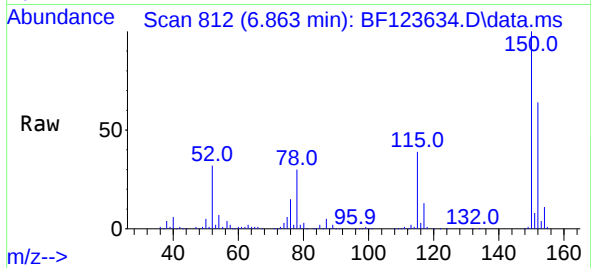
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Quant Time: Apr 20 03:05:31 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 16 10:31:33 2021
Response via : Initial Calibration

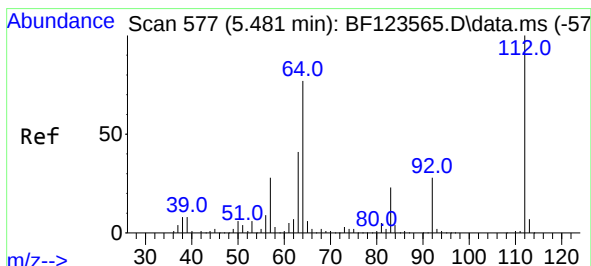
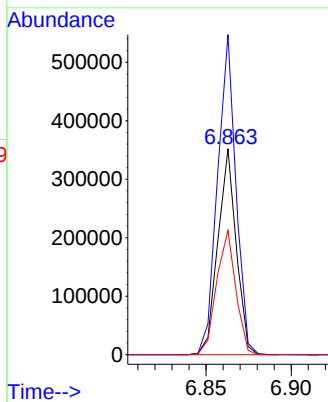
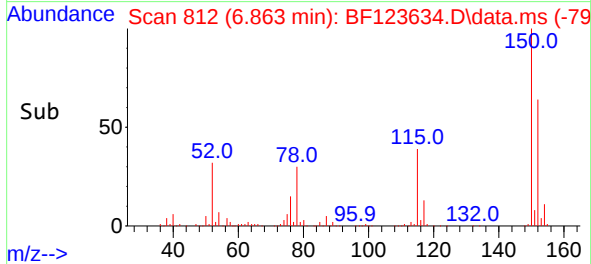




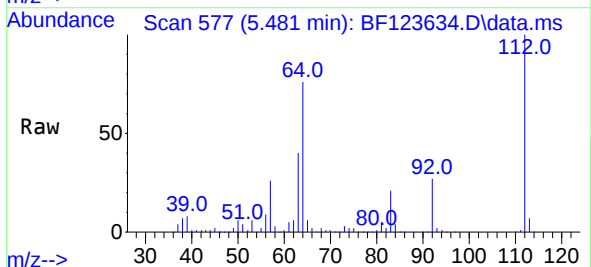
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34



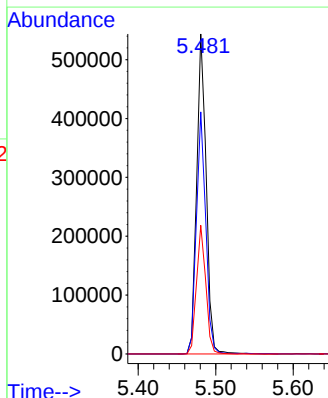
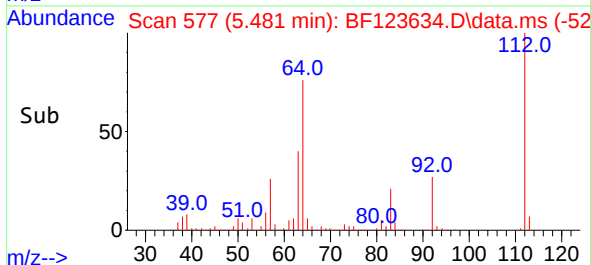
Tgt Ion:152 Resp: 264027
Ion Ratio Lower Upper
152 100
150 155.4 127.0 190.6
115 60.3 54.3 81.5



#5
2-Fluorophenol
Concen: 28.36 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34



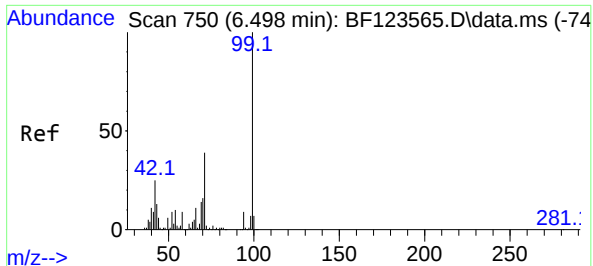
Tgt Ion:112 Resp: 463264
Ion Ratio Lower Upper
112 100
64 75.6 61.4 92.0
63 40.2 33.0 49.4



Instrument :
BNA_F
ClientSampled :
TP-4DL

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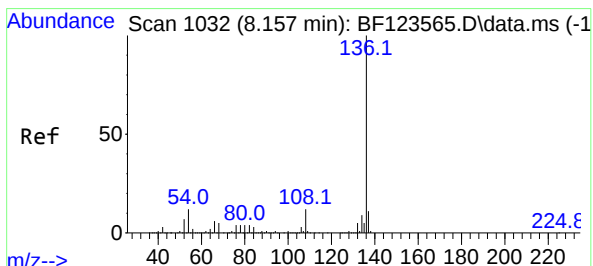
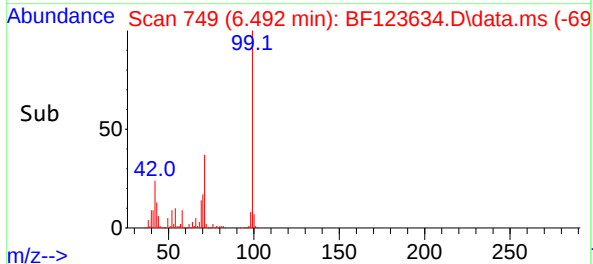
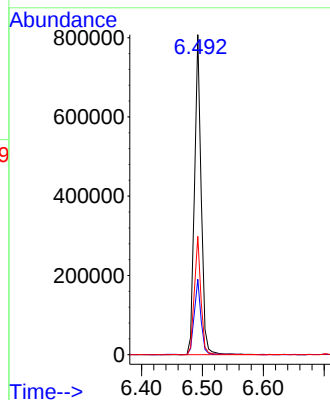
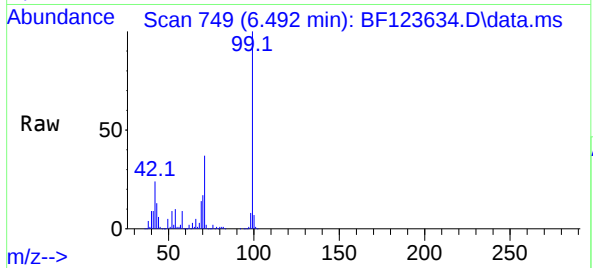
#7
Phenol-d6
Concen: 27.33 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34

Tgt Ion:	99	Resp:	618561
Ion	Ratio	Lower	Upper
99	100		
42	23.6	19.8	29.8
71	36.9	31.1	46.7

Instrument :
BNA_F
ClientSampled :
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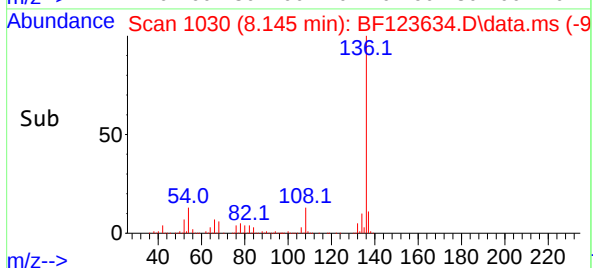
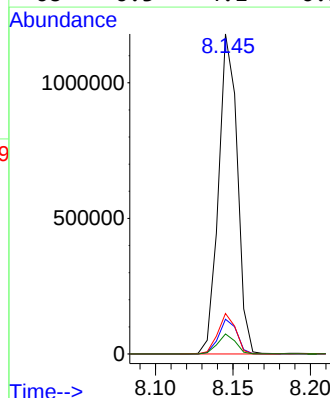
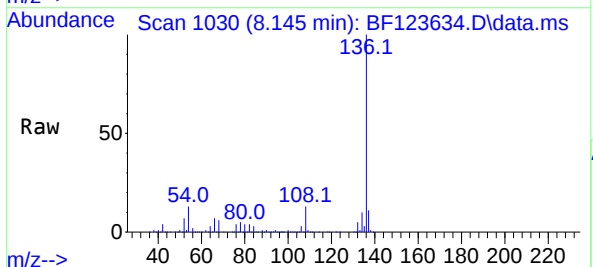
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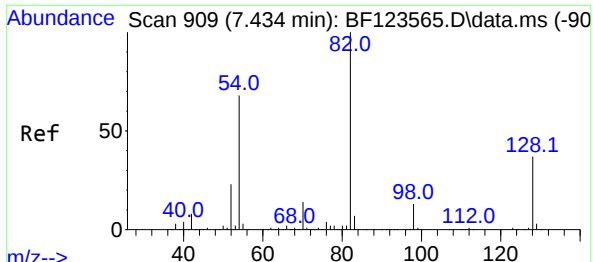
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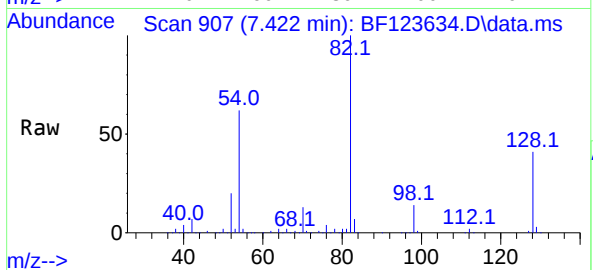
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34

Tgt Ion:	136	Resp:	993792
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	12.7	9.8	14.6
68	6.3	4.1	6.1

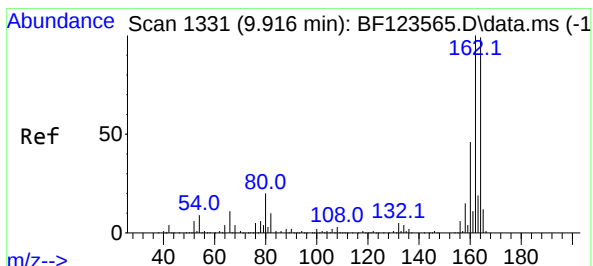
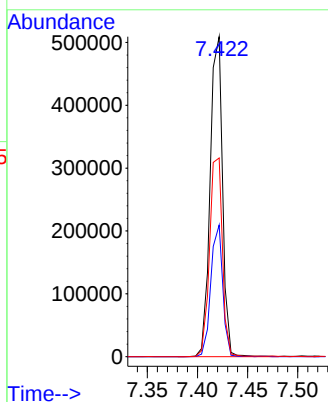
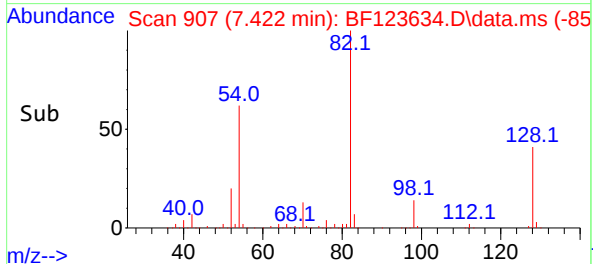




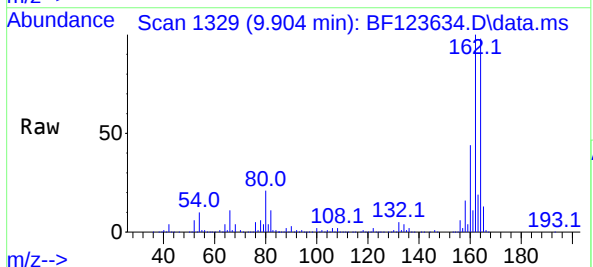
#23
Nitrobenzene-d5
Concen: 20.30 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34



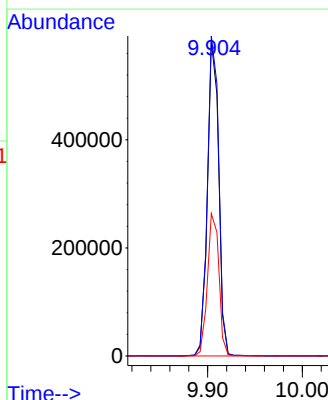
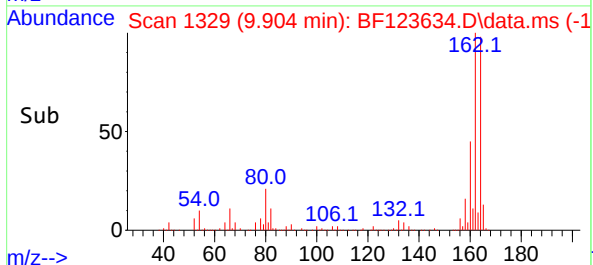
Tgt Ion: 82 Resp: 438856
Ion Ratio Lower Upper
82 100
128 41.2 29.4 44.2
54 62.1 54.1 81.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34



Tgt Ion: 164 Resp: 478584
Ion Ratio Lower Upper
164 100
162 101.6 80.7 121.1
160 45.2 37.3 55.9



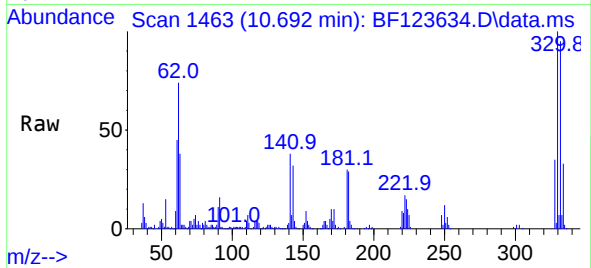
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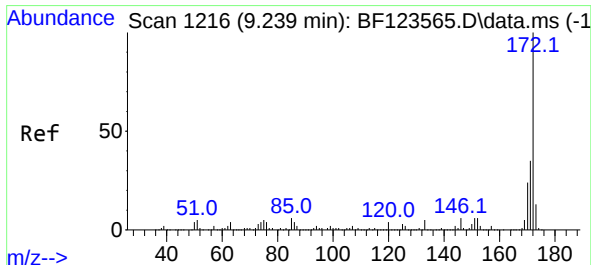
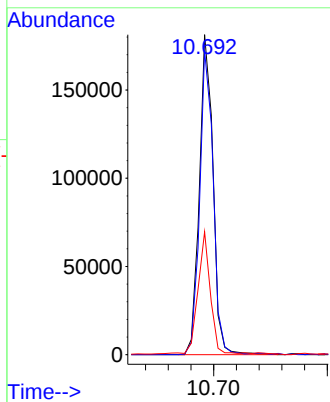
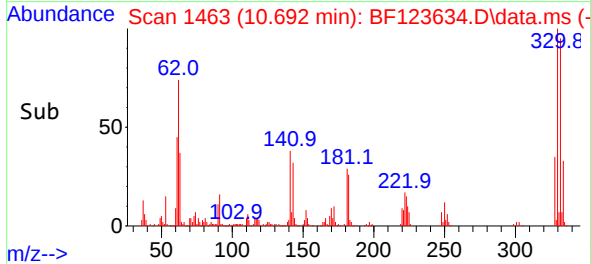
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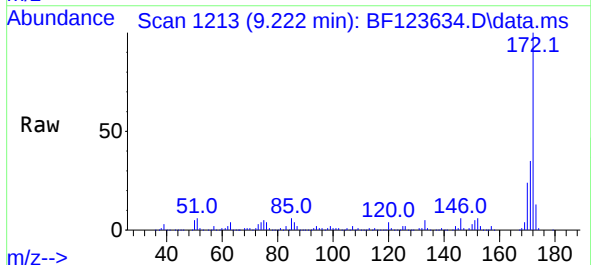
#42
2,4,6-Tribromophenol
Concen: 28.02 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.018 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34



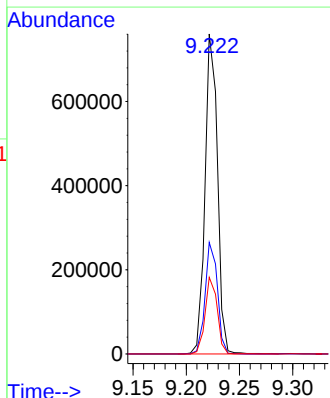
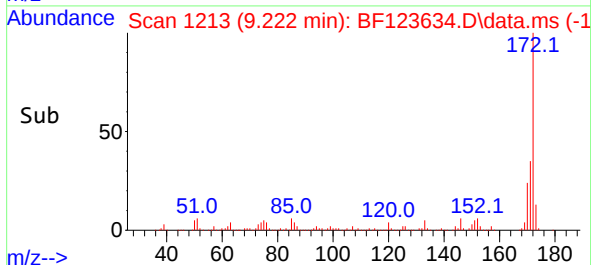
Tgt Ion: 330 Resp: 151880
Ion Ratio Lower Upper
330 100
332 93.6 77.1 115.7
141 34.5 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 19.33 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.018 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34



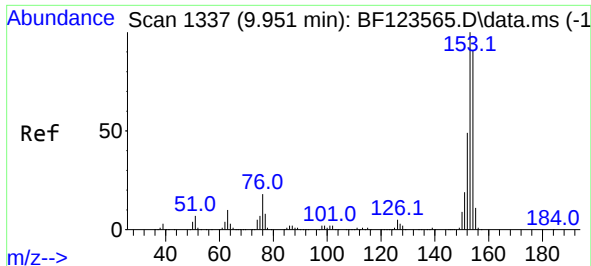
Tgt Ion: 172 Resp: 620548
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 24.0 19.2 28.8



Instrument :
BNA_F
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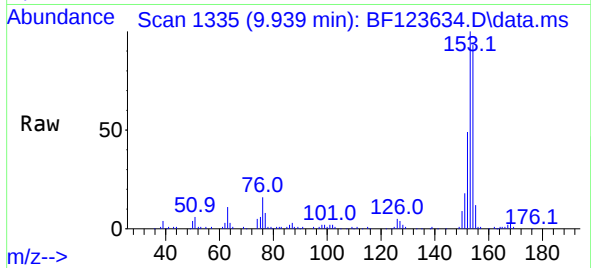
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#52
Acenaphthene
Concen: 2.72 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34

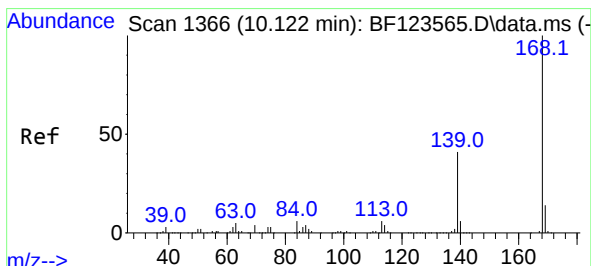
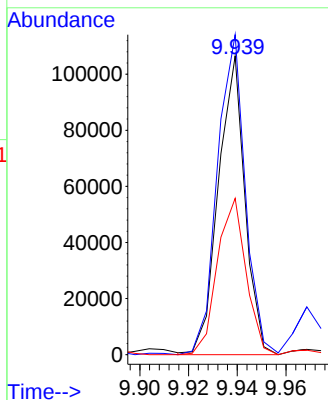
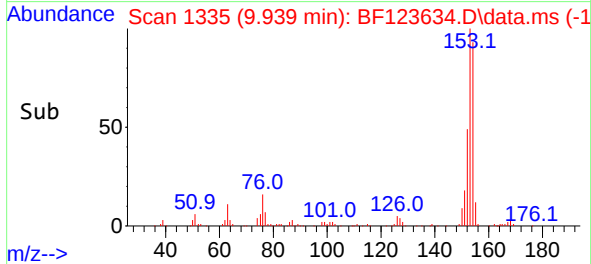
Instrument :
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ClientSampled :
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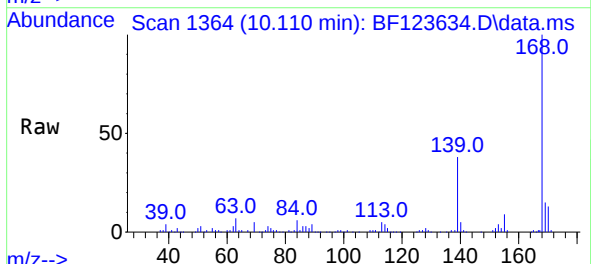
Tgt Ion:154 Resp: 80536
Ion Ratio Lower Upper
154 100
153 107.1 88.1 132.1
152 52.3 43.4 65.0

Manual Integrations
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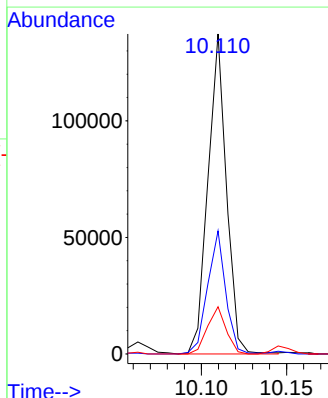
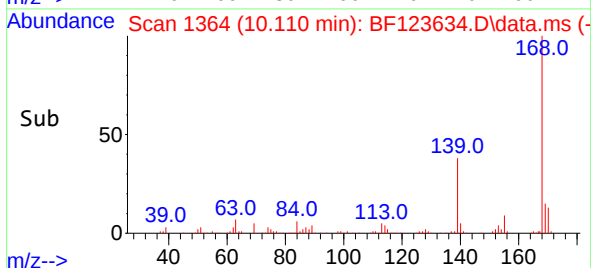
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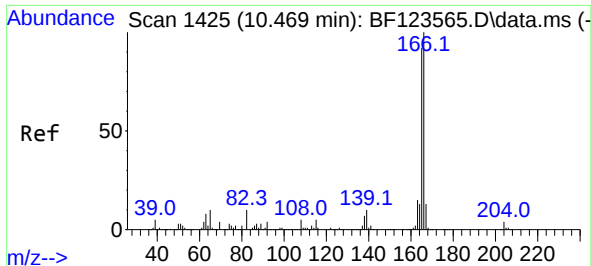


#55
Dibenzofuran
Concen: 2.44 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34

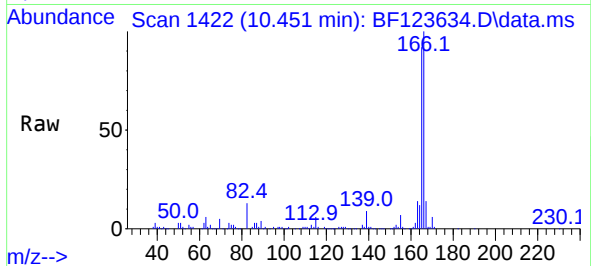


Tgt Ion:168 Resp: 103609
Ion Ratio Lower Upper
168 100
139 38.4 33.2 49.8
169 14.7 10.8 16.2

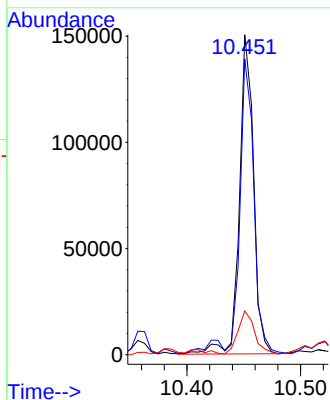
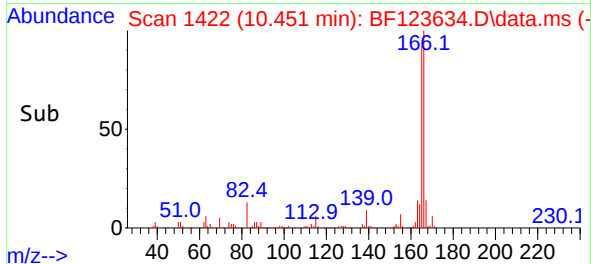




#58
Fluorene
Concen: 3.91 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.018 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34



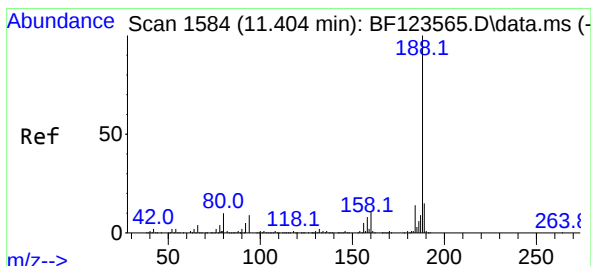
Tgt Ion:166 Resp: 130365
Ion Ratio Lower Upper
166 100
165 92.4 73.5 110.3
167 13.6 10.7 16.1



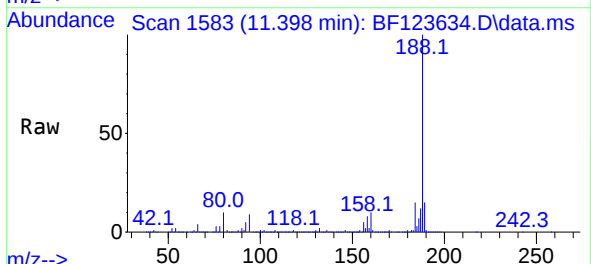
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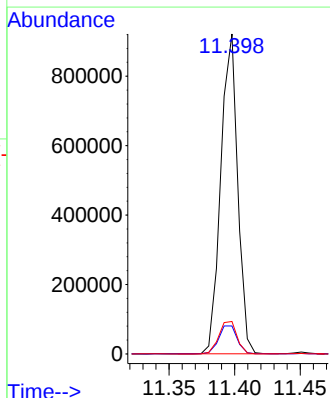
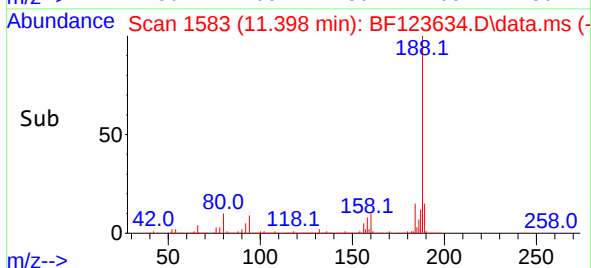
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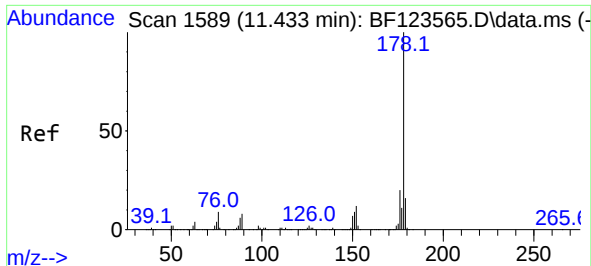


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34



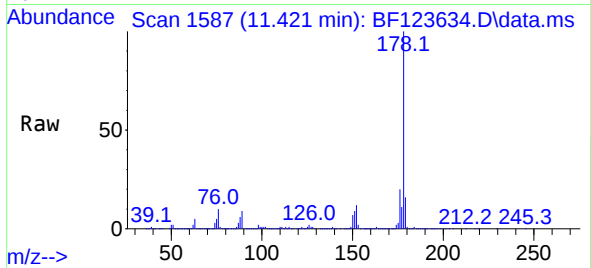
Tgt Ion:188 Resp: 824595
Ion Ratio Lower Upper
188 100
94 8.7 6.9 10.3
80 10.2 8.2 12.2





#71
Phenanthrene
Concen: 40.64 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34

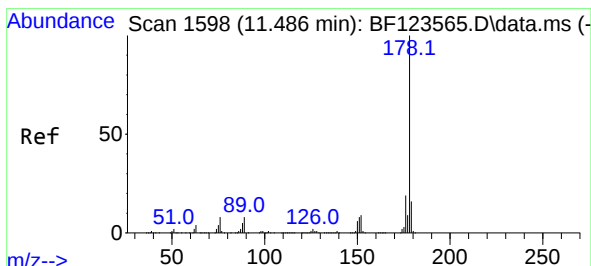
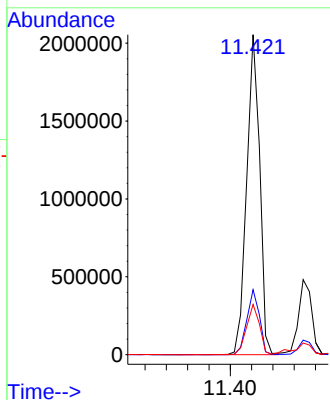
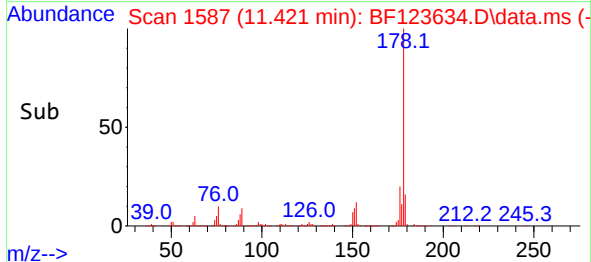
Instrument :
BNA_F
ClientSampled :
TP-4DL



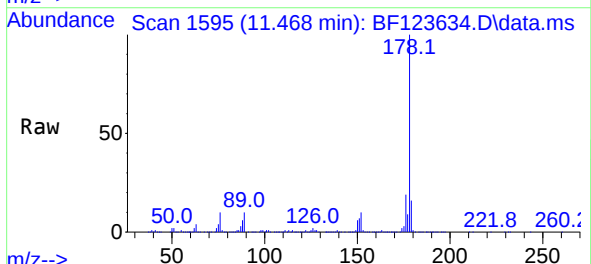
Tgt Ion:178 Resp: 1748879
Ion Ratio Lower Upper
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176 20.3 15.6 23.4
179 15.7 12.5 18.7

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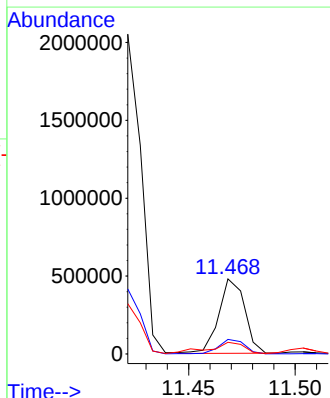
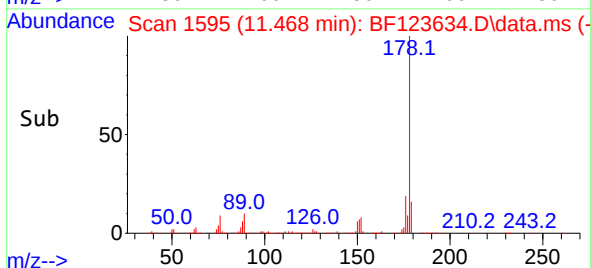
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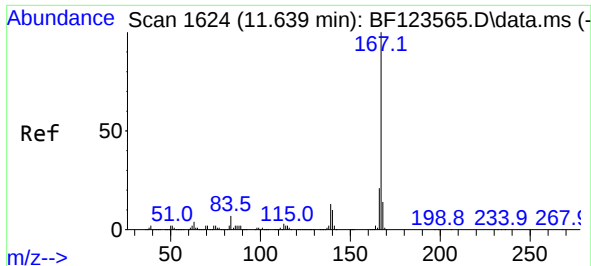


#72
Anthracene
Concen: 9.40 ng
RT: 11.468 min Scan# 1595
Delta R.T. -0.018 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34



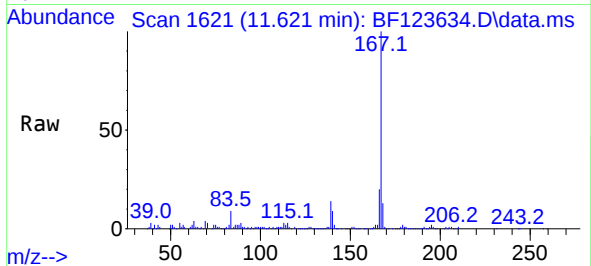
Tgt Ion:178 Resp: 404228
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.6 12.6 18.8





#73
 Carbazole
 Concen: 3.58 ng
 RT: 11.621 min Scan# 1621
 Delta R.T. -0.018 min
 Lab File: BF123634.D
 Acq: 19 Apr 2021 21:34

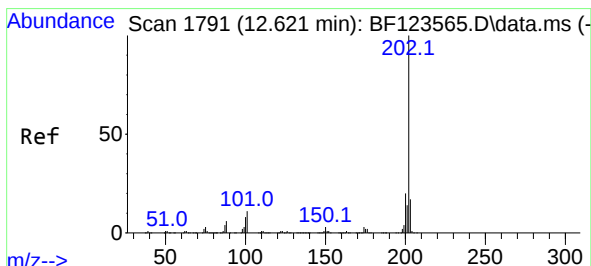
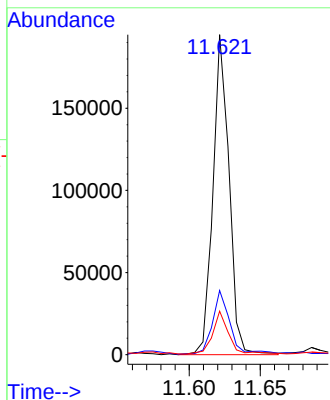
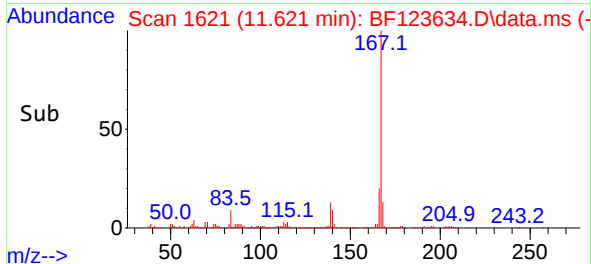
Instrument :
 BNA_F
 ClientSampled :
 TP-4DL



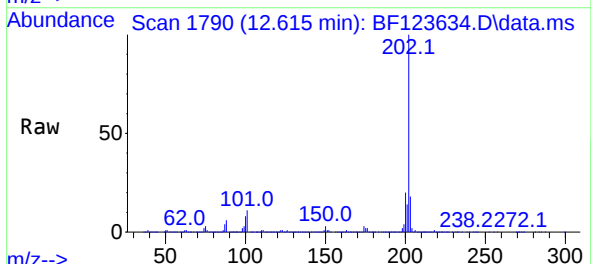
Tgt Ion:167 Resp: 153709
 Ion Ratio Lower Upper
 167 100
 166 20.0 17.0 25.6
 139 13.6 10.4 15.6

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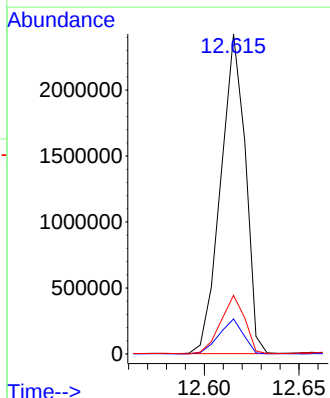
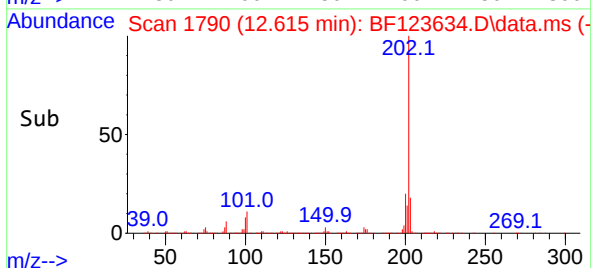
mohammad
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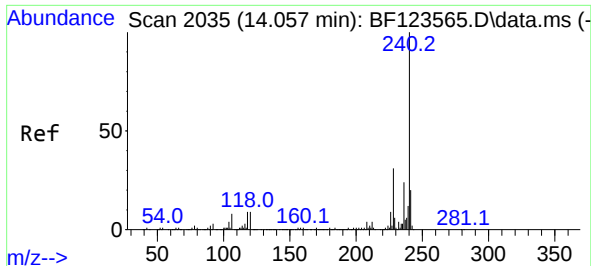


#75
 Fluoranthene
 Concen: 46.40 ng
 RT: 12.615 min Scan# 1790
 Delta R.T. -0.012 min
 Lab File: BF123634.D
 Acq: 19 Apr 2021 21:34



Tgt Ion:202 Resp: 2194581
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 30.9
 203 18.3 0.0 37.5





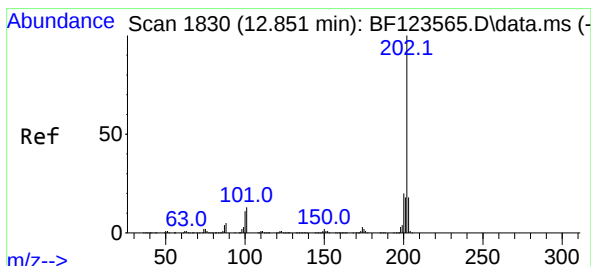
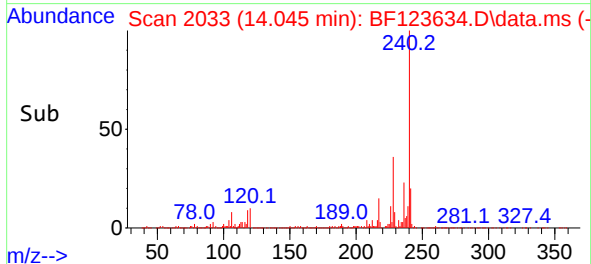
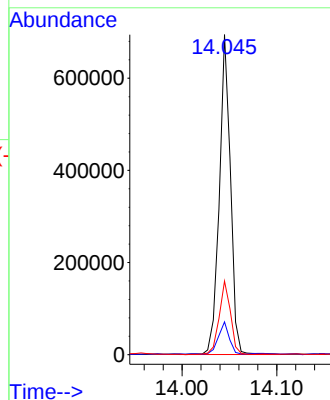
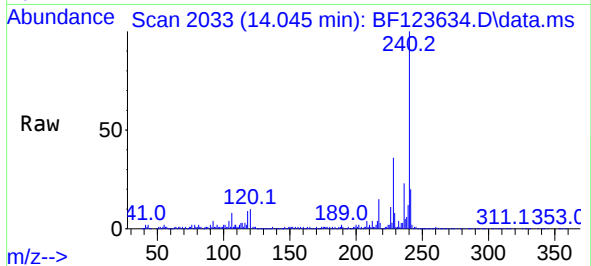
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34

Tgt Ion:240 Resp: 569273
Ion Ratio Lower Upper
240 100
120 10.3 7.2 10.8
236 23.0 19.0 28.4

Instrument :
BNA_F
ClientSampleId :
TP-4DL

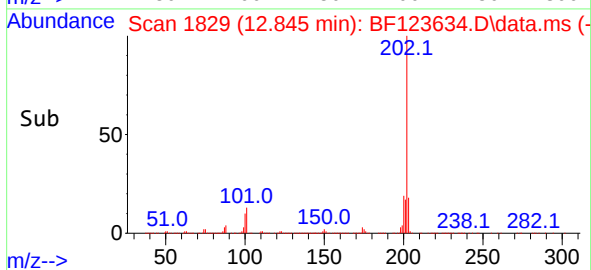
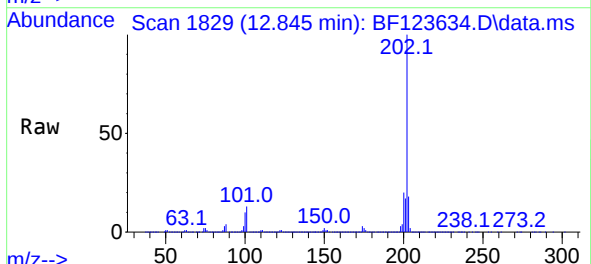
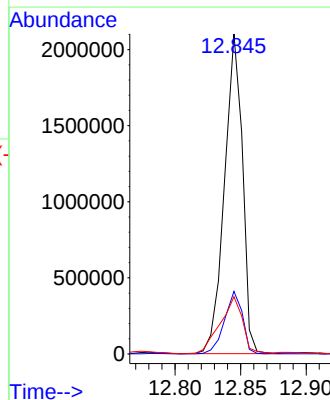
Manual Integrations
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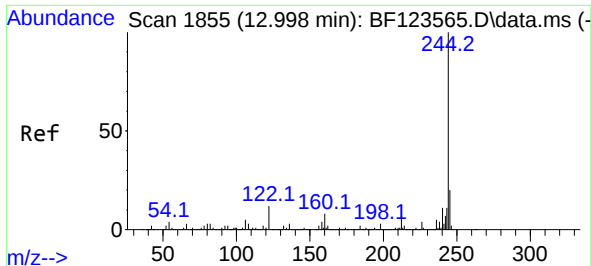
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#78
Pyrene
Concen: 48.18 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.012 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34

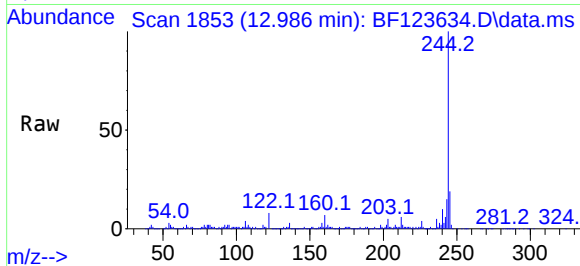
Tgt Ion:202 Resp: 2001680
Ion Ratio Lower Upper
202 100
200 19.5 16.1 24.1
203 17.9 14.8 22.2





#79
 Terphenyl-d14
 Concen: 15.20 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. -0.012 min
 Lab File: BF123634.D
 Acq: 19 Apr 2021 21:34

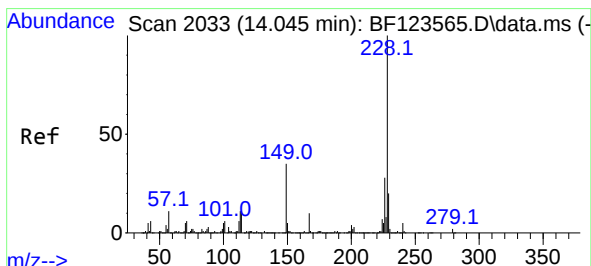
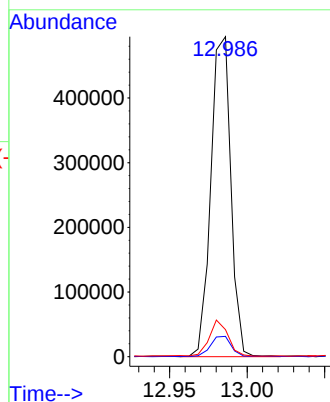
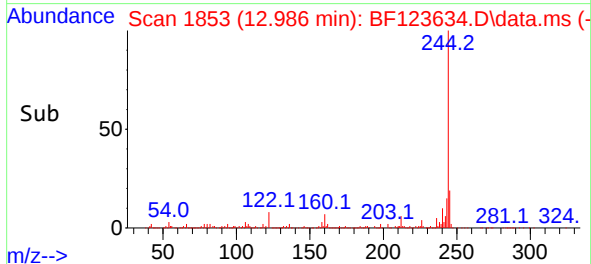
Instrument :
 BNA_F
 ClientSampled :
 TP-4DL



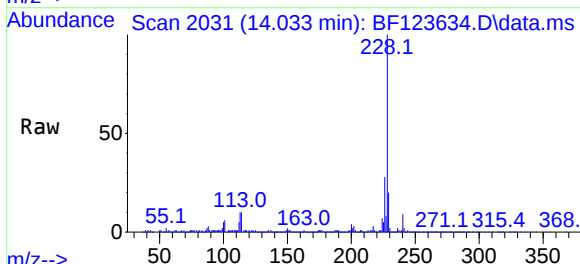
Tgt Ion:244 Resp: 445162
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.7 8.5
 122 8.4 9.7 14.5#

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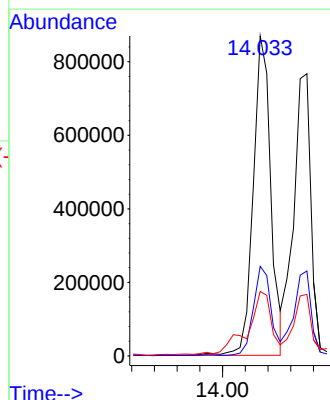
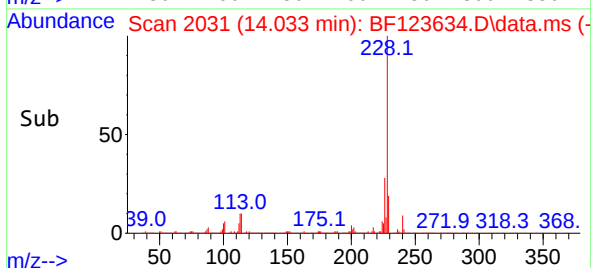
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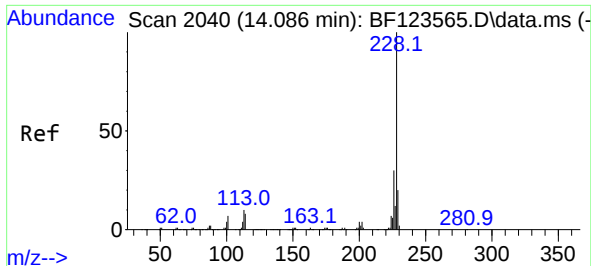


#81
 Benzo(a)anthracene
 Concen: 26.74 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. -0.012 min
 Lab File: BF123634.D
 Acq: 19 Apr 2021 21:34



Tgt Ion:228 Resp: 932916
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.4 33.6
 229 20.2 16.0 24.0





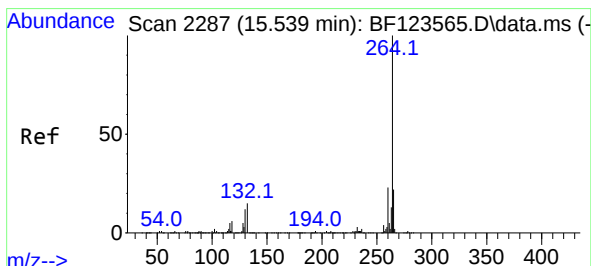
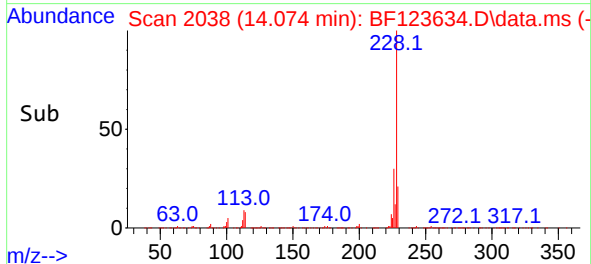
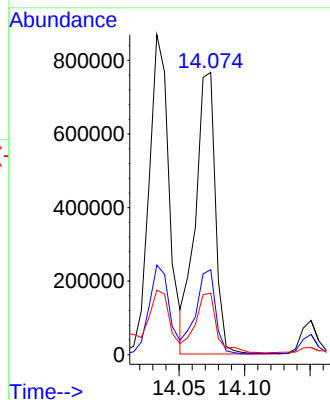
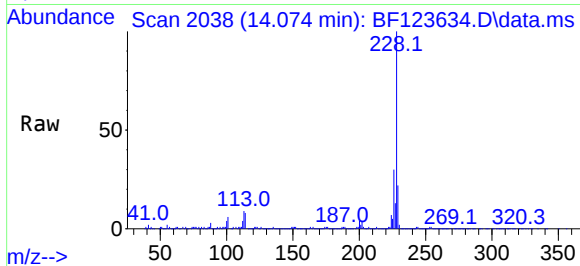
#83
Chrysene
Concen: 23.26 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34

Tgt Ion:228 Resp: 815012
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 21.8 16.2 24.2

Instrument :
BNA_F
ClientSampled :
TP-4DL

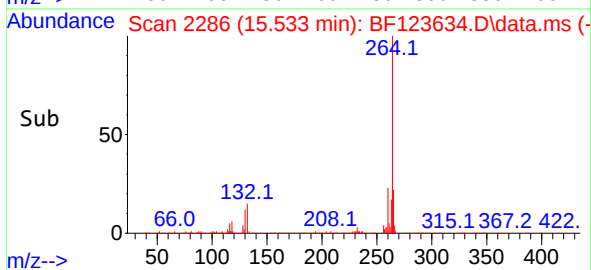
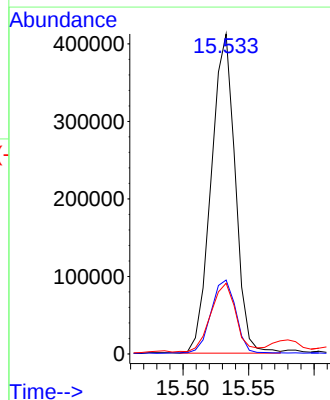
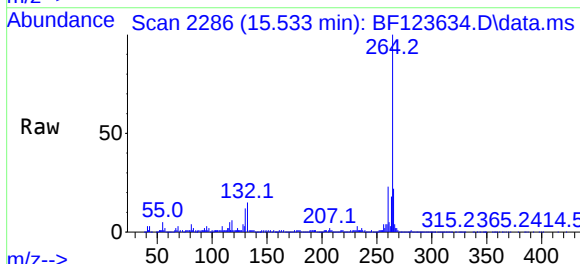
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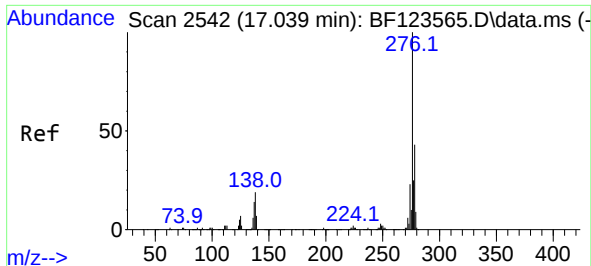
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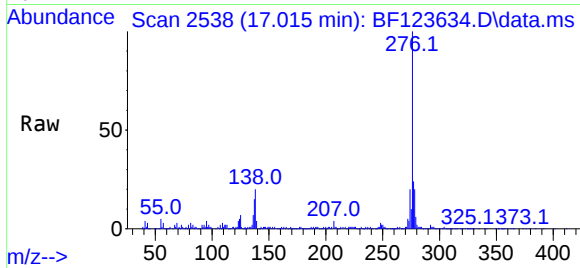
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.006 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34

Tgt Ion:264 Resp: 523764
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 22.1 17.8 26.8

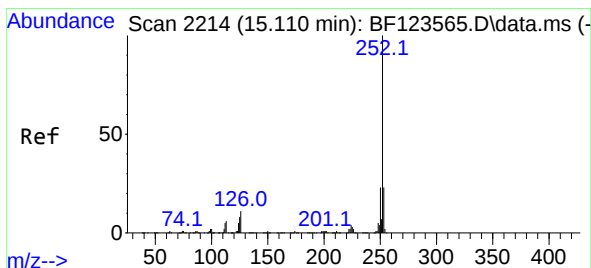
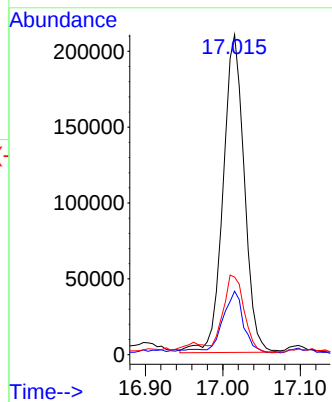
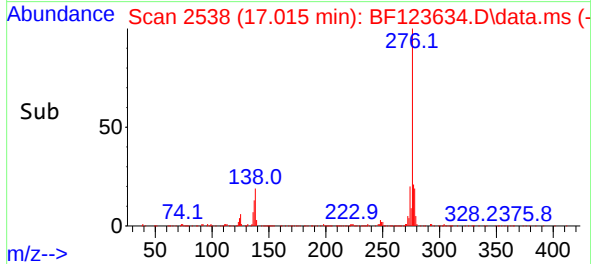




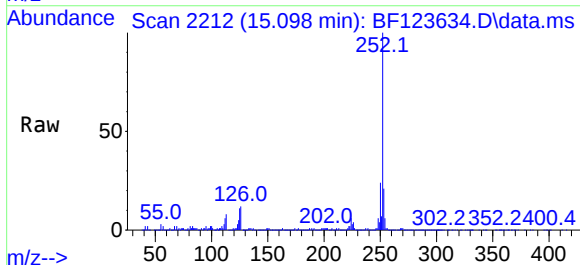
#87
Indeno(1,2,3-cd)pyrene
Concen: 14.28 ng
RT: 17.015 min Scan# 2538
Delta R.T. -0.024 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34



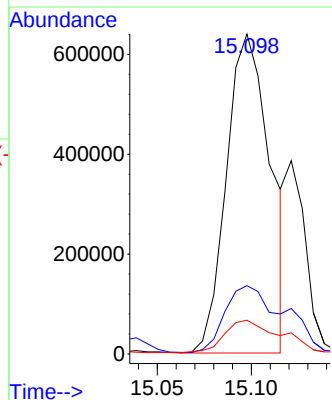
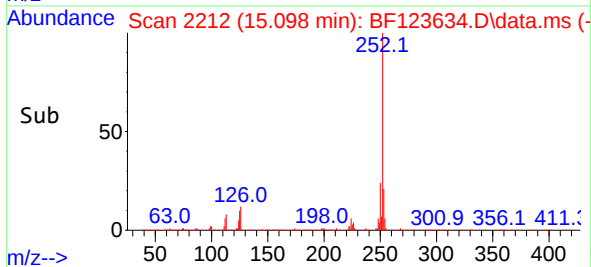
Tgt Ion: 276 Resp: 399118
Ion Ratio Lower Upper
276 100
138 18.7 16.2 24.2
277 24.5 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 28.02 ng m
RT: 15.098 min Scan# 2212
Delta R.T. -0.012 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34



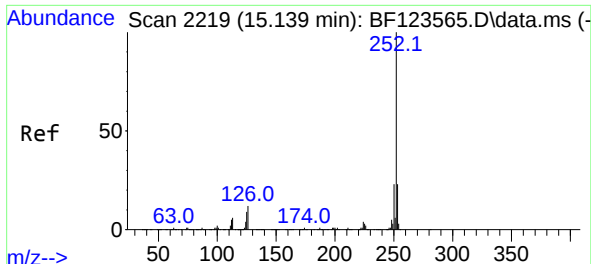
Tgt Ion: 252 Resp: 1036155
Ion Ratio Lower Upper
252 100
253 21.3 18.1 27.1
125 10.6 6.2 9.4#



Instrument :
BNA_F
ClientSampled :
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#89

Benzo(k)fluoranthene

Concen: 6.90 ng m

RT: 15.121 min Scan# 2216

Delta R.T. -0.018 min

Lab File: BF123634.D

Acq: 19 Apr 2021 21:34

Tgt Ion:	252	Resp:	273078
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.9	26.9
125	10.9	7.0	10.6#

Instrument :

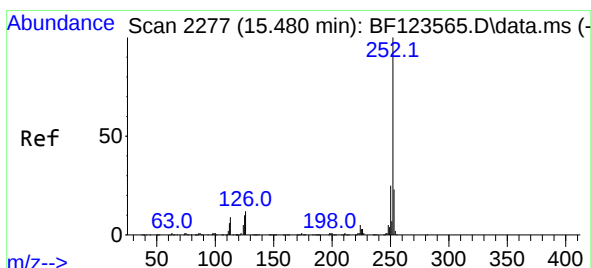
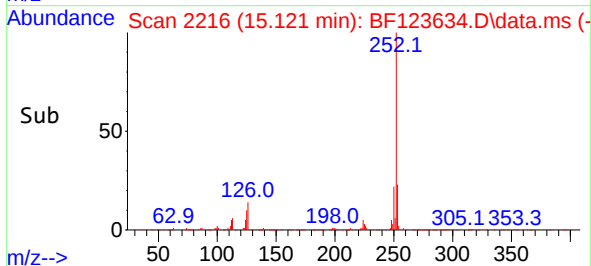
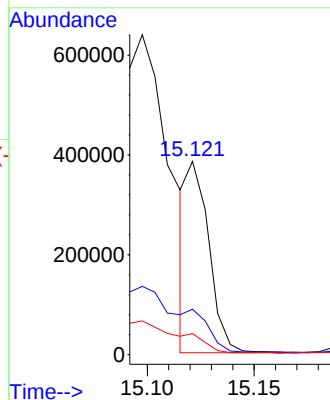
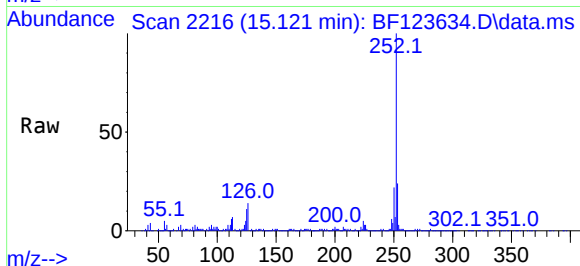
BNA_F

ClientSampleId :

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#90

Benzo(a)pyrene

Concen: 24.47 ng

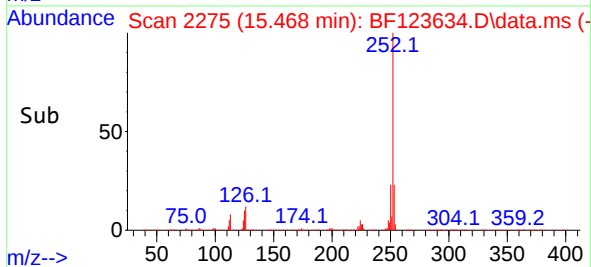
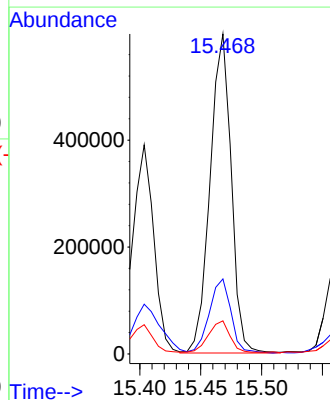
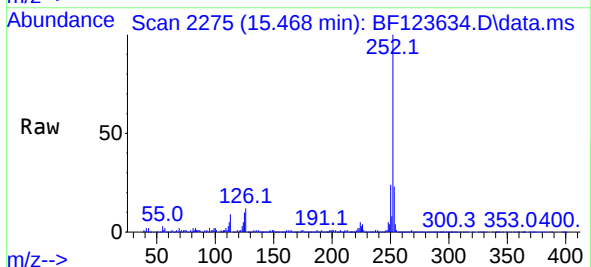
RT: 15.468 min Scan# 2275

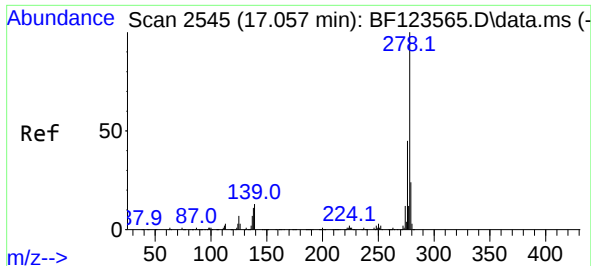
Delta R.T. -0.012 min

Lab File: BF123634.D

Acq: 19 Apr 2021 21:34

Tgt Ion:	252	Resp:	719668
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.4	27.6
125	10.3	8.0	12.0





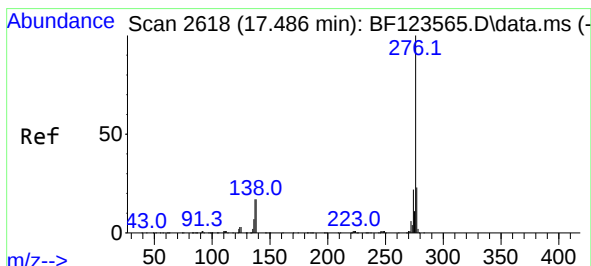
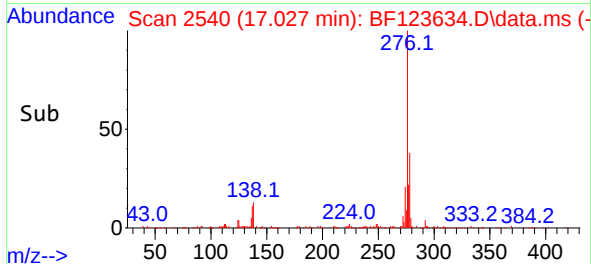
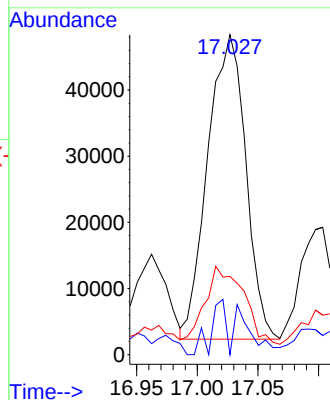
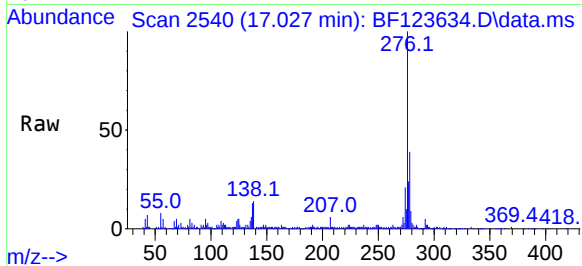
#91
Dibenzo(a,h)anthracene
Concen: 4.25 ng m
RT: 17.027 min Scan# 2540
Delta R.T. -0.030 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34

Tgt Ion:278 Resp: 100411
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 24.4 19.4 29.0

Instrument :
BNA_F
ClientSampled :
TP-4DL

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 17.69 ng
RT: 17.468 min Scan# 2615
Delta R.T. -0.018 min
Lab File: BF123634.D
Acq: 19 Apr 2021 21:34

Tgt Ion:276 Resp: 345055
Ion Ratio Lower Upper
276 100
277 23.0 18.2 27.2
138 20.2 13.8 20.6

