

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
 Data File : BF123990.D
 Acq On : 19 May 2021 15:04
 Operator : JU/CG
 Sample : M2366-01RX
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JG-SPOILS-5-11-21-ARX

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Quant Time: May 19 16:45:59 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	39884	20.00	ng	0.00
21) Naphthalene-d8	8.187	136	161423	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	96995	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	170112	20.00	ng	0.00
76) Chrysene-d12	14.074	240	110211	20.00	ng	0.00
86) Perylene-d12	15.568	264	107130	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	12456	4.38	ng	0.00
7) Phenol-d6	6.516	99	75648	20.53	ng	0.00
23) Nitrobenzene-d5	7.463	82	227530	60.73	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	3722	3.19	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	375412	47.63	ng	0.00
79) Terphenyl-d14	13.016	244	352454	48.44	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.210	128	28793	3.01	ng	97
50) Dimethylphthalate	9.651	163	76994	9.94	ng	99
55) Dibenzofuran	10.145	168	24495	2.49	ng	100
58) Fluorene	10.492	166	30255	4.07	ng	93
71) Phenanthrene	11.457	178	269134	24.96	ng	99
72) Anthracene	11.504	178	42605	3.90	ng	98
75) Fluoranthene	12.645	202	229567	20.56	ng	98
78) Pyrene	12.874	202	181505	18.55	ng	97
81) Benzo(a)anthracene	14.063	228	71083	8.92	ng	98
83) Chrysene	14.098	228	67047	8.75	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	24015	2.90	ng	96
88) Benzo(b)fluoranthene	15.127	252	73087m	8.82	ng	
89) Benzo(k)fluoranthene	15.151	252	21314m	2.82	ng	
90) Benzo(a)pyrene	15.498	252	52533	7.33	ng	98
92) Benzo(g,h,i)perylene	17.521	276	20426	2.92	ng	# 91

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

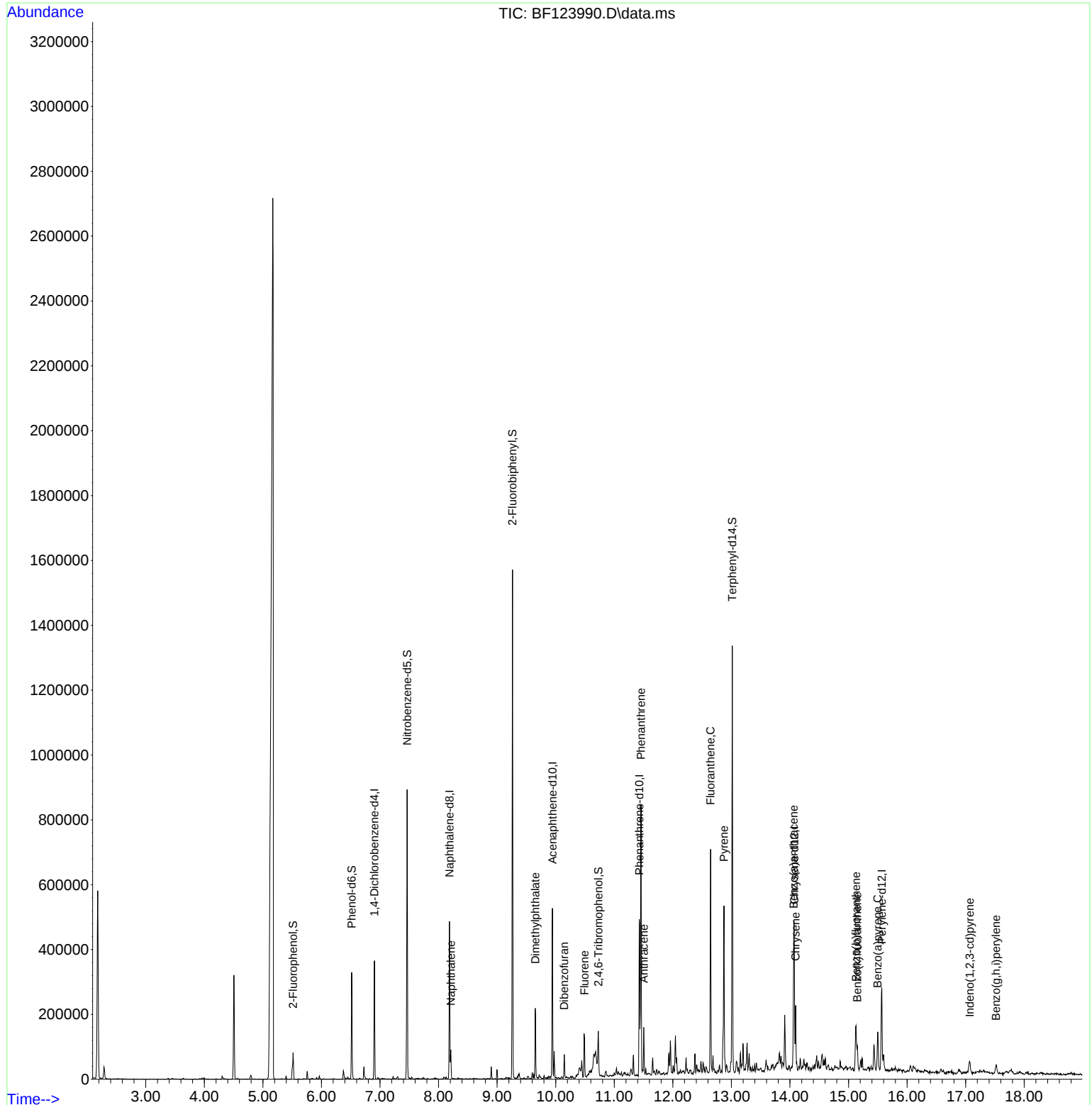
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Data File : BF123990.D
Acq On : 19 May 2021 15:04
Operator : JU/CG
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Misc :
ALS Vial : 8 Sample Multiplier: 1

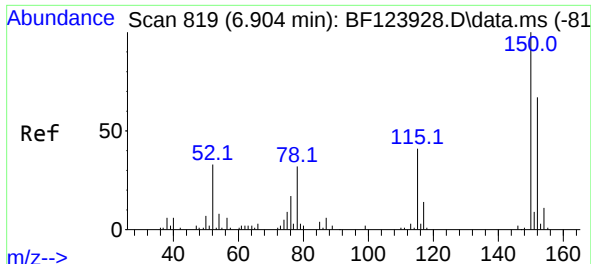
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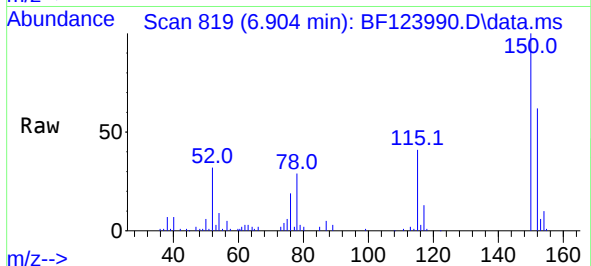
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 19:05:57 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

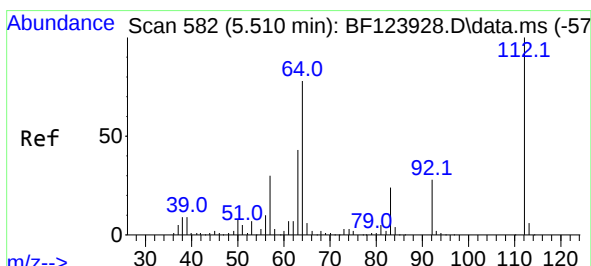
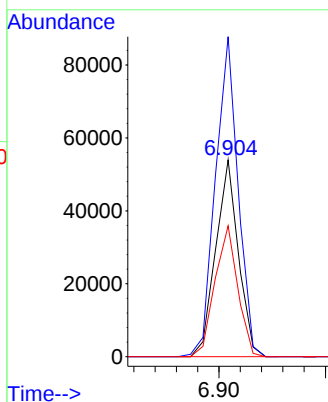
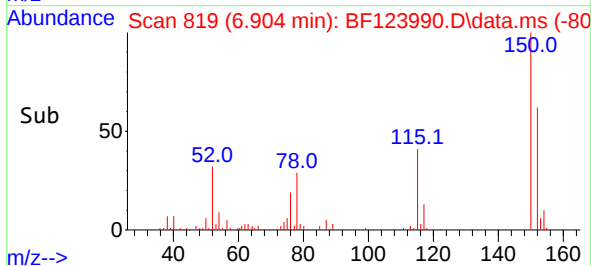
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BNA_F
ClientSampleId :
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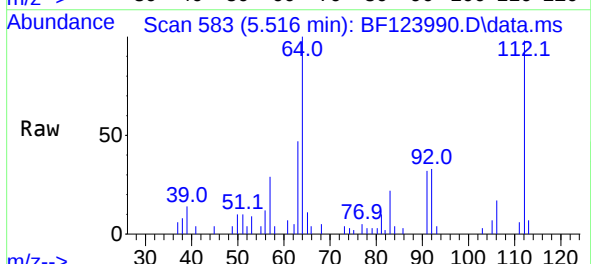
Tgt Ion:152 Resp: 39884
Ion Ratio Lower Upper
152 100
150 162.5 127.0 190.6
115 66.5 54.3 81.5

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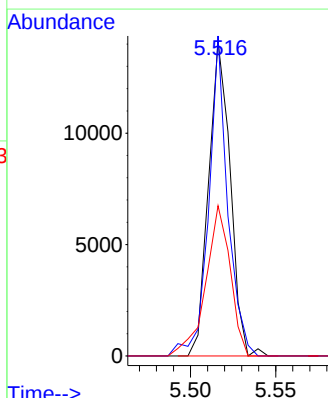
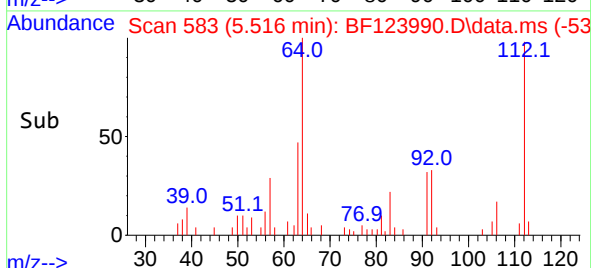
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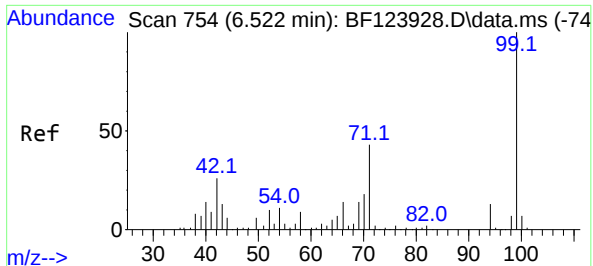


#5
2-Fluorophenol
Concen: 4.38 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04



Tgt Ion:112 Resp: 12456
Ion Ratio Lower Upper
112 100
64 101.6 61.4 92.0#
63 47.7 33.0 49.4





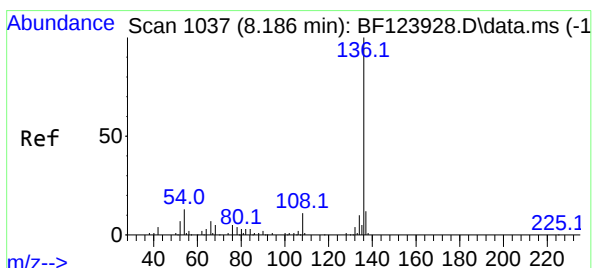
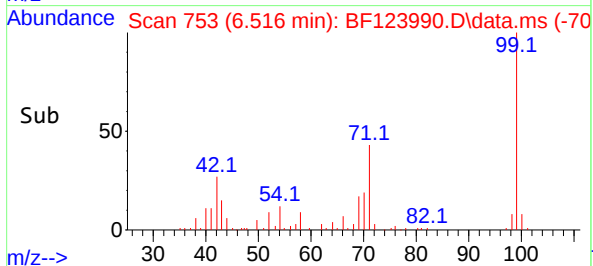
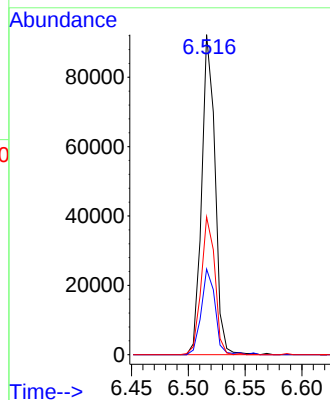
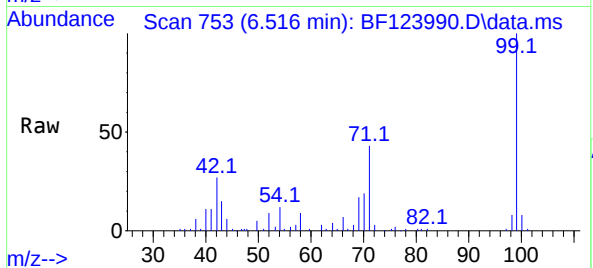
#7
Phenol-d6
Concen: 20.53 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

Tgt Ion:	99	Resp:	75648
Ion	Ratio	Lower	Upper
99	100		
42	26.7	19.8	29.8
71	43.0	31.1	46.7

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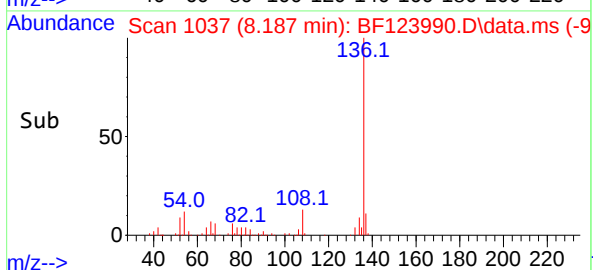
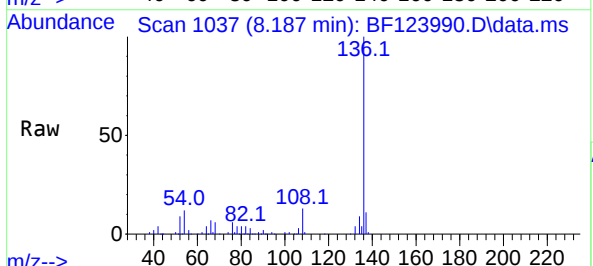
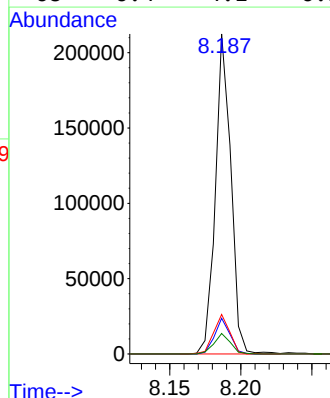
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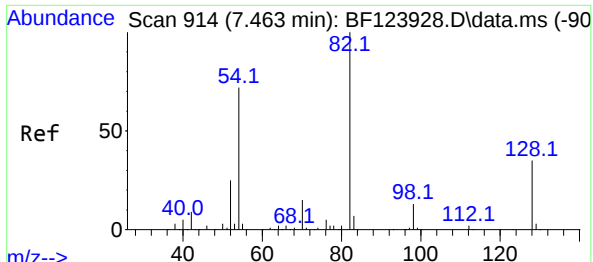
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.187 min Scan# 1037
Delta R.T. 0.001 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

Tgt Ion:	136	Resp:	161423
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	12.3	9.8	14.6
68	6.4	4.1	6.1





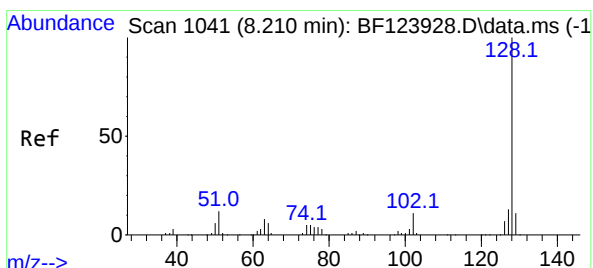
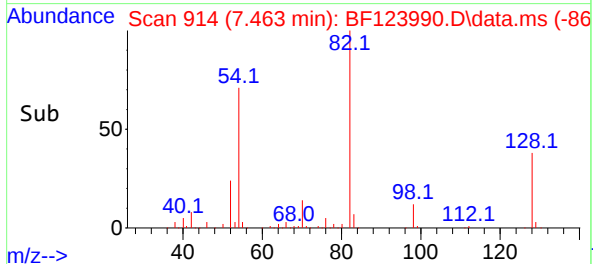
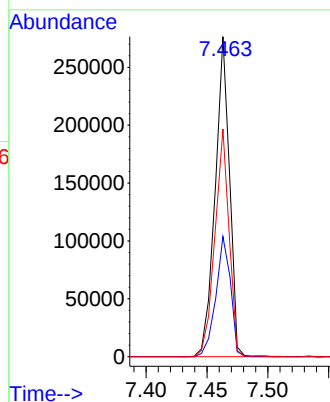
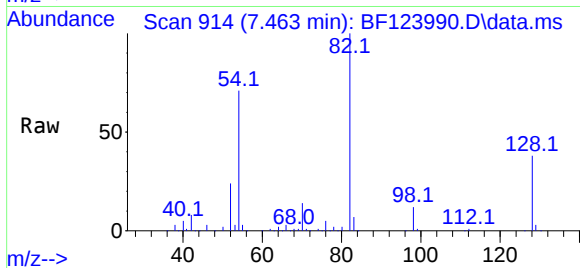
#23
Nitrobenzene-d5
Concen: 60.73 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

Tgt Ion: 82 Resp: 227530
Ion Ratio Lower Upper
82 100
128 37.6 29.4 44.2
54 71.1 54.1 81.1

Instrument :
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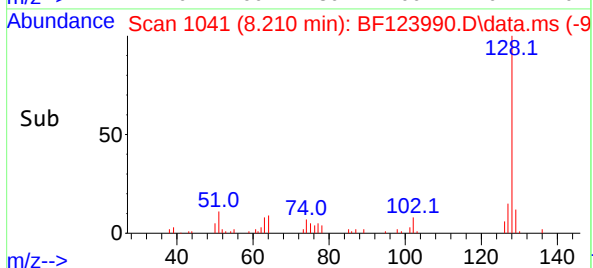
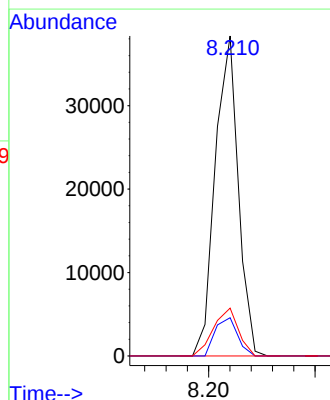
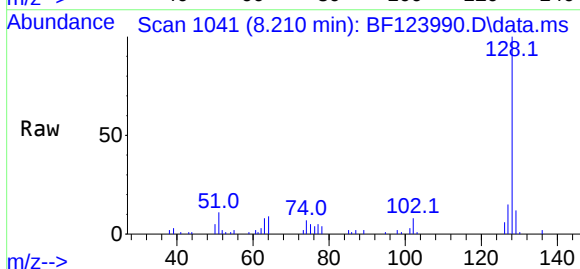
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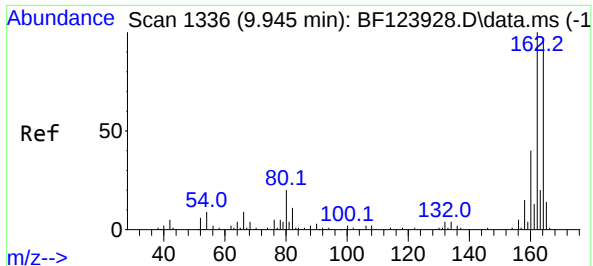
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#31
Naphthalene
Concen: 3.01 ng
RT: 8.210 min Scan# 1041
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

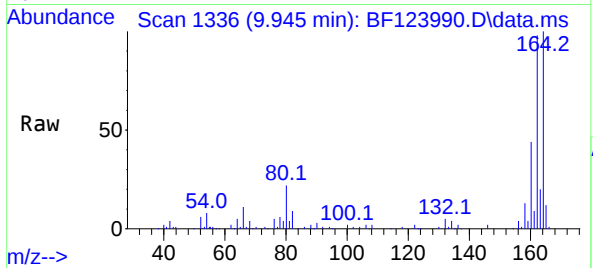
Tgt Ion: 128 Resp: 28793
Ion Ratio Lower Upper
128 100
129 12.0 8.9 13.3
127 15.0 10.8 16.2





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

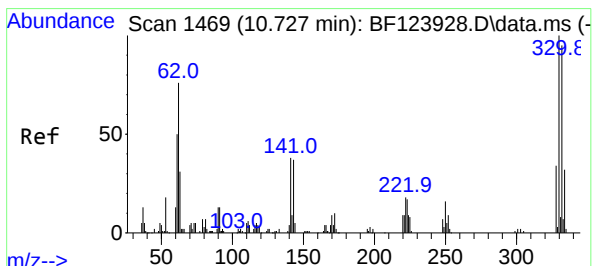
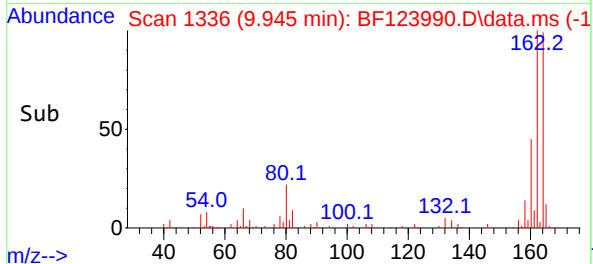
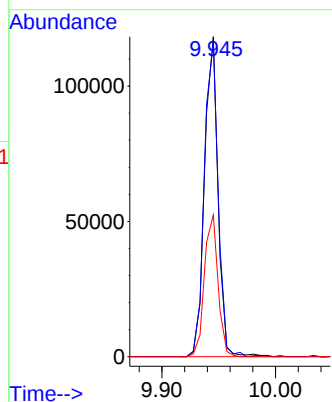
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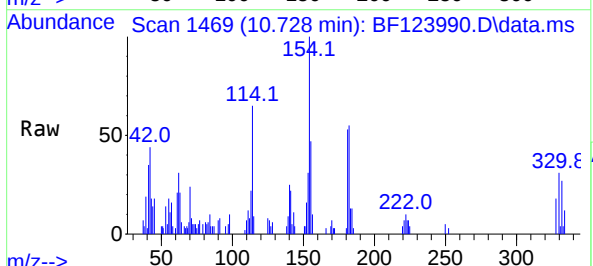
Tgt Ion:164 Resp: 96995
Ion Ratio Lower Upper
164 100
162 98.2 80.7 121.1
160 44.3 37.3 55.9

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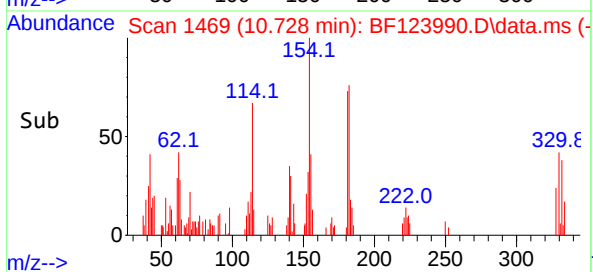
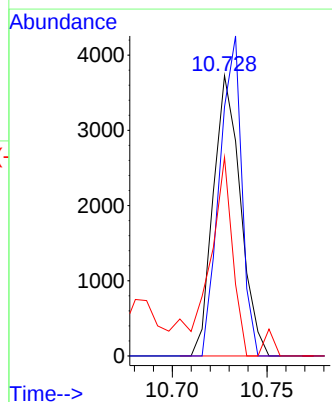
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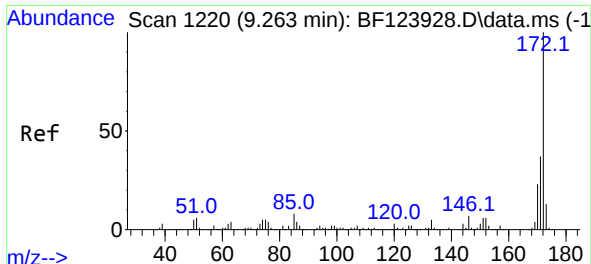


#42
2,4,6-Tribromophenol
Concen: 3.19 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04



Tgt Ion:330 Resp: 3722
Ion Ratio Lower Upper
330 100
332 92.6 77.1 115.7
141 63.0 27.9 41.9#





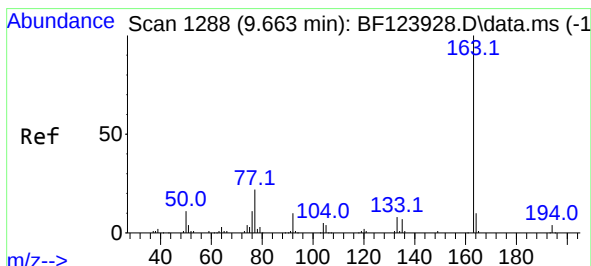
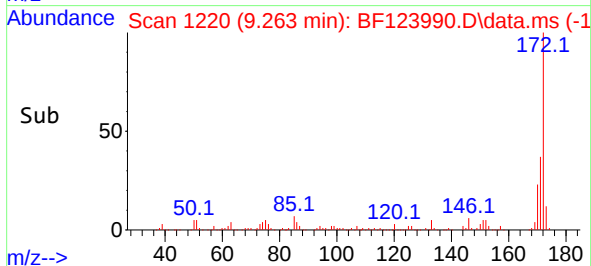
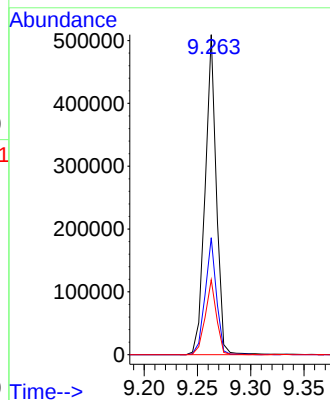
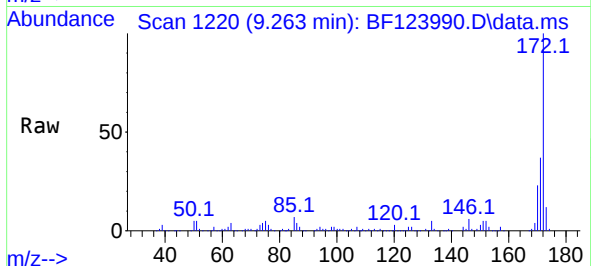
#45
2-Fluorobiphenyl
Concen: 47.63 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

Tgt Ion:172 Resp: 375412
Ion Ratio Lower Upper
172 100
171 36.6 28.1 42.1
170 23.4 19.2 28.8

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JG-SPOILS-5-11-21-ARX

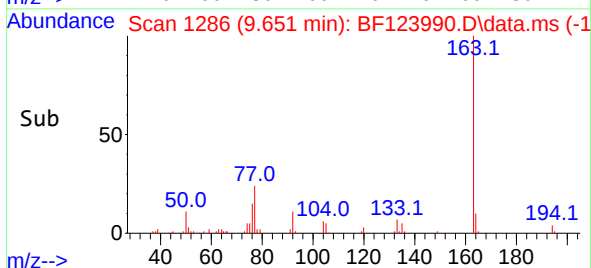
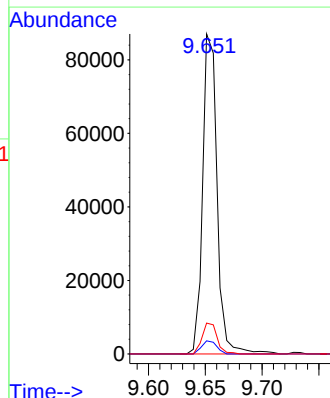
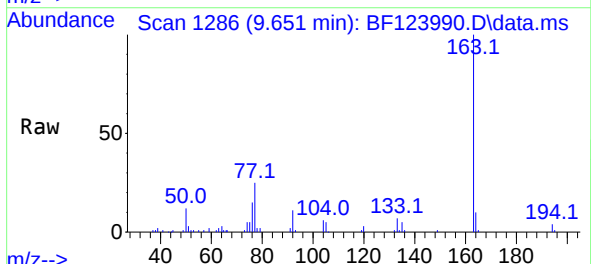
Manual Integrations
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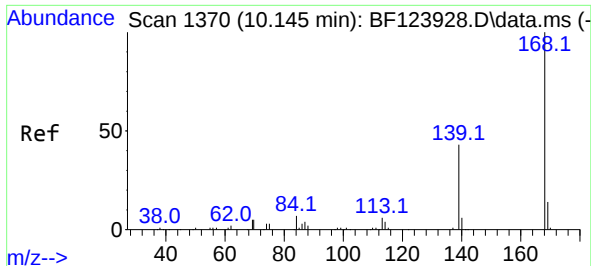
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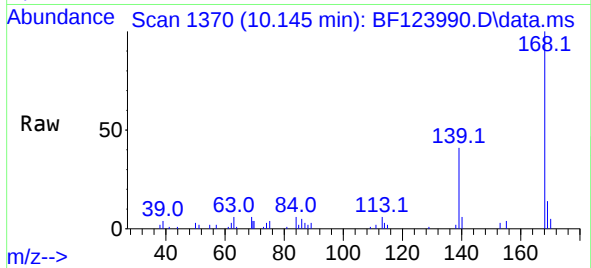
#50
Dimethylphthalate
Concen: 9.94 ng
RT: 9.651 min Scan# 1286
Delta R.T. -0.012 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

Tgt Ion:163 Resp: 76994
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 9.7 8.2 12.2

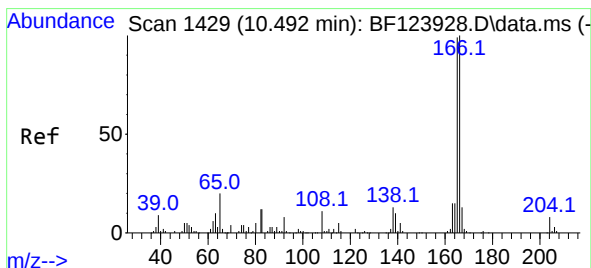
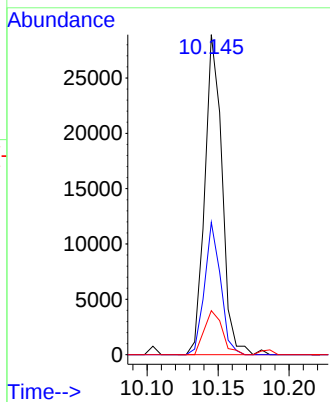
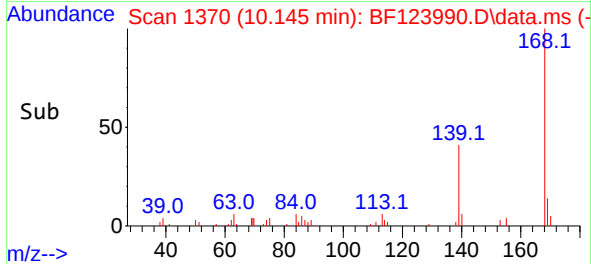




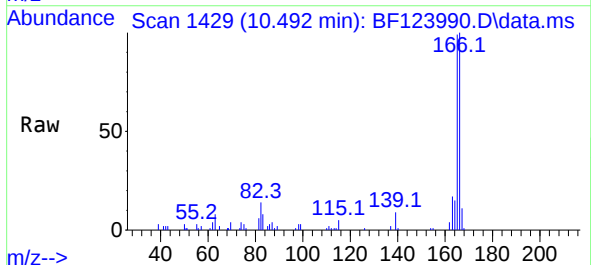
#55
Dibenzenofuran
Concen: 2.49 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04



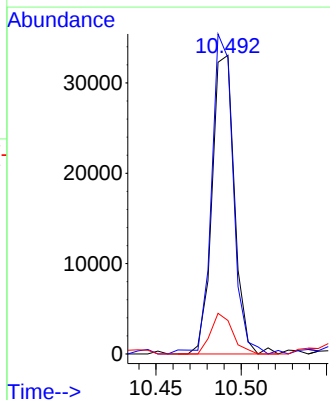
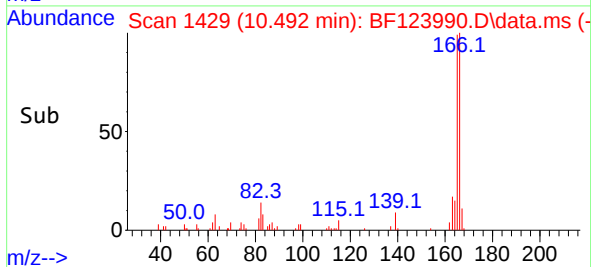
Tgt Ion:168 Resp: 24495
Ion Ratio Lower Upper
168 100
139 41.3 33.2 49.8
169 13.7 10.8 16.2



#58
Fluorene
Concen: 4.07 ng
RT: 10.492 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04



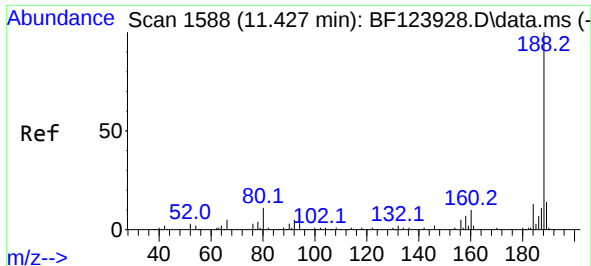
Tgt Ion:166 Resp: 30255
Ion Ratio Lower Upper
166 100
165 99.1 73.5 110.3
167 11.2 10.7 16.1



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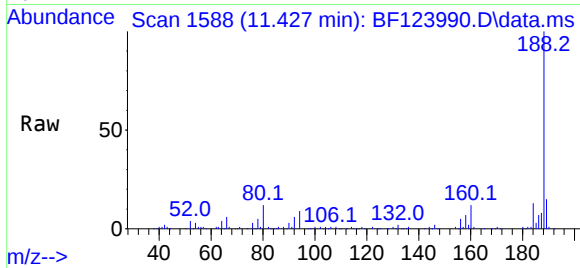
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

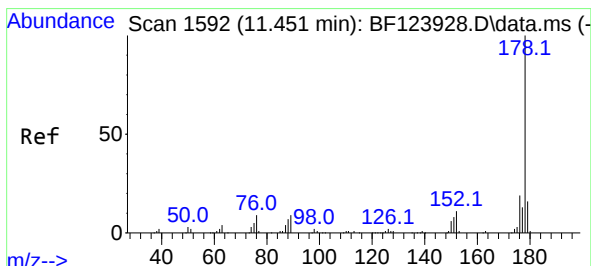
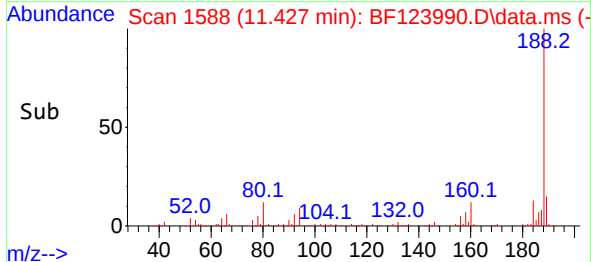
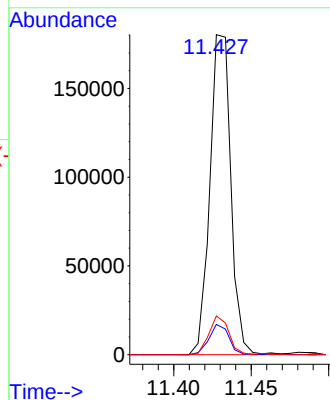
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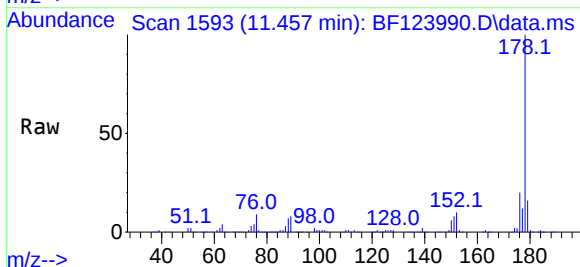
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Ion Ratio Lower Upper
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80 12.1 8.2 12.2

Manual Integrations
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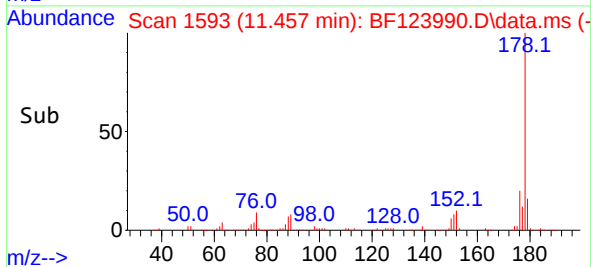
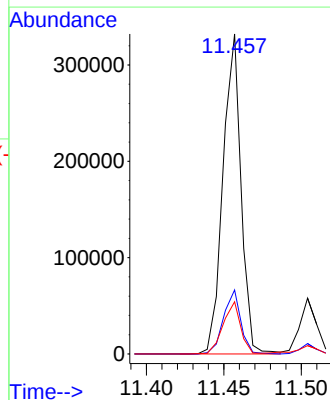
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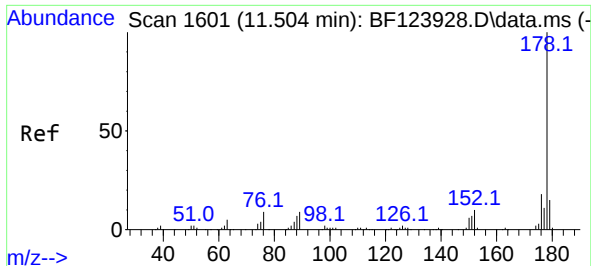


#71
Phenanthrene
Concen: 24.96 ng
RT: 11.457 min Scan# 1593
Delta R.T. 0.006 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04



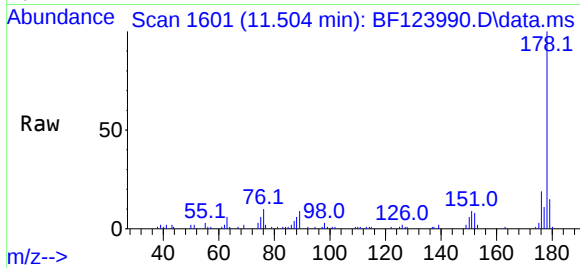
Tgt Ion:178 Resp: 269134
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 16.3 12.5 18.7





#72
 Anthracene
 Concen: 3.90 ng
 RT: 11.504 min Scan# 1601
 Delta R.T. 0.000 min
 Lab File: BF123990.D
 Acq: 19 May 2021 15:04

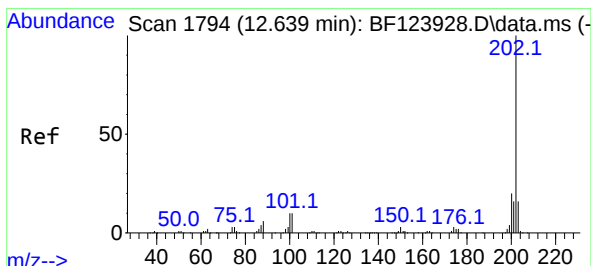
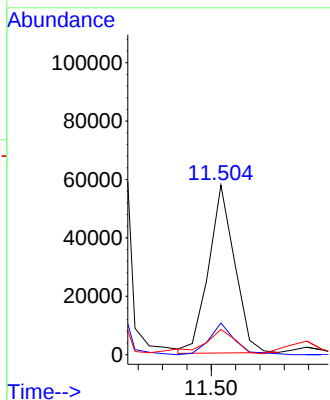
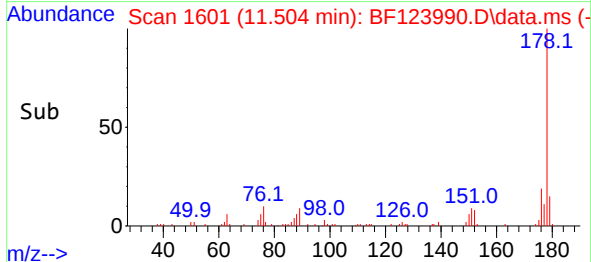
Instrument :
 BNA_F
 ClientSampleId :
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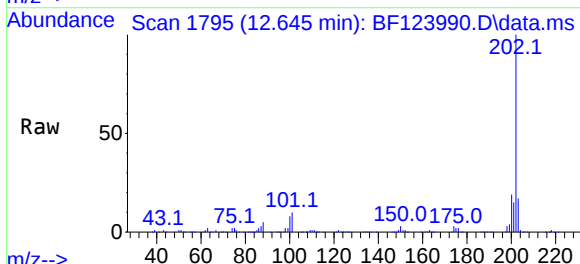
Tgt Ion:178 Resp: 42605
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.0
 179 14.9 12.6 18.8

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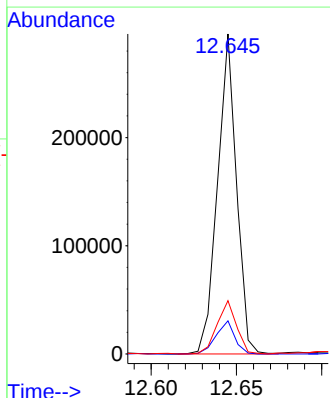
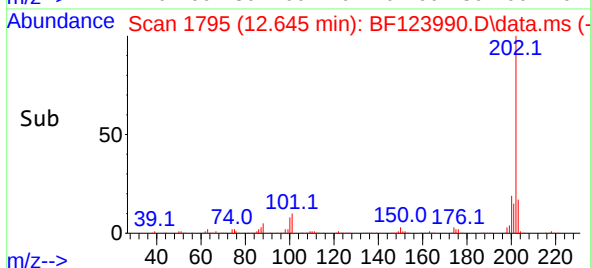
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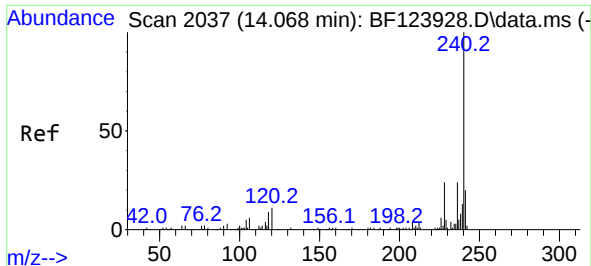


#75
 Fluoranthene
 Concen: 20.56 ng
 RT: 12.645 min Scan# 1795
 Delta R.T. 0.006 min
 Lab File: BF123990.D
 Acq: 19 May 2021 15:04

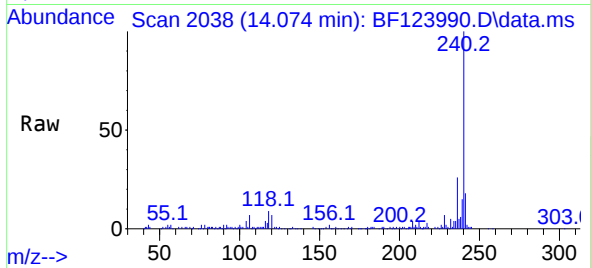


Tgt Ion:202 Resp: 229567
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 30.9
 203 16.7 0.0 37.5

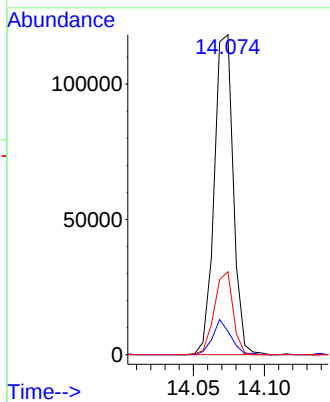
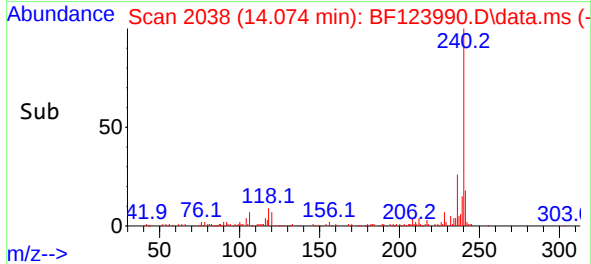




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04



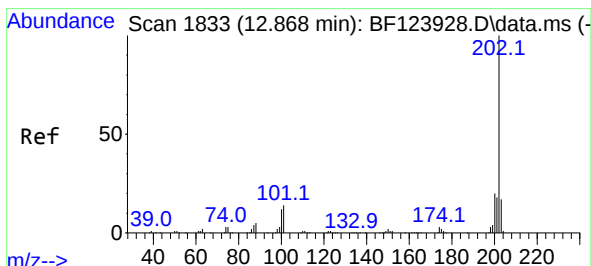
Tgt Ion:240 Resp: 110211
Ion Ratio Lower Upper
240 100
120 7.3 7.2 10.8
236 25.9 19.0 28.4



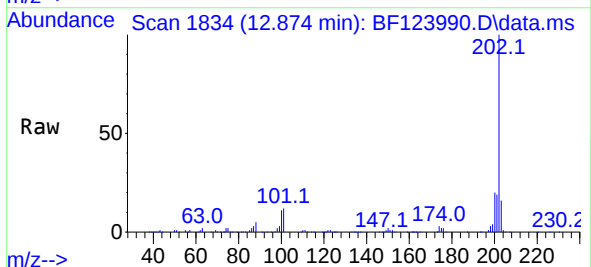
Instrument :
BNA_F
ClientSampleId :
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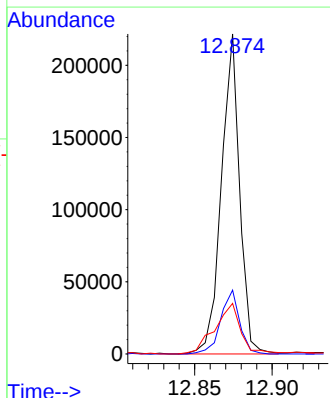
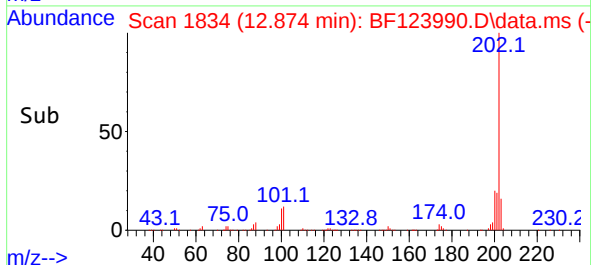
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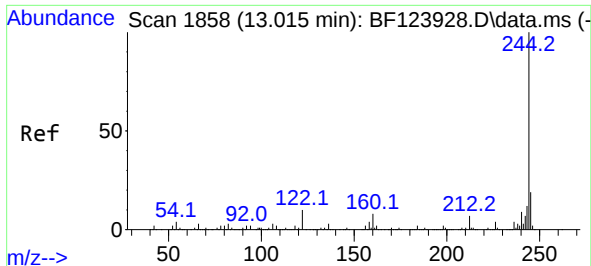


#78
Pyrene
Concen: 18.55 ng
RT: 12.874 min Scan# 1834
Delta R.T. 0.006 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

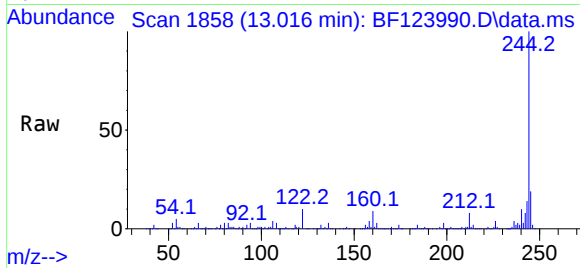


Tgt Ion:202 Resp: 181505
Ion Ratio Lower Upper
202 100
200 20.0 16.1 24.1
203 15.8 14.8 22.2

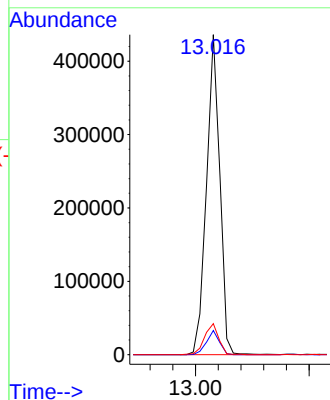
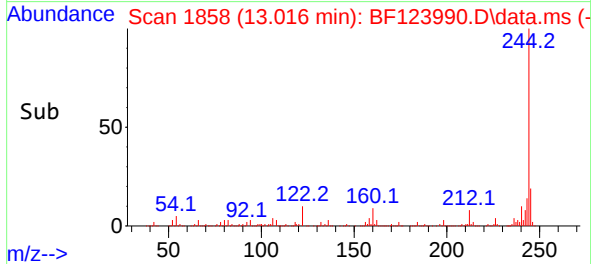




#79
Terphenyl-d14
Concen: 48.44 ng
RT: 13.016 min Scan# 1858
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04



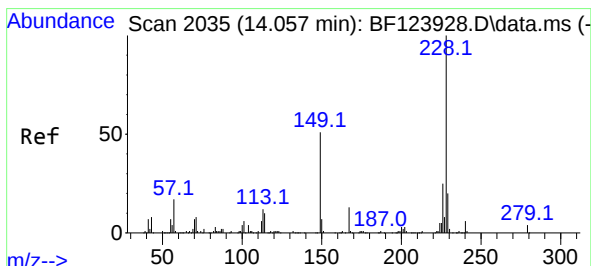
Tgt Ion:244 Resp: 352454
Ion Ratio Lower Upper
244 100
212 7.5 5.7 8.5
122 9.7 9.7 14.5



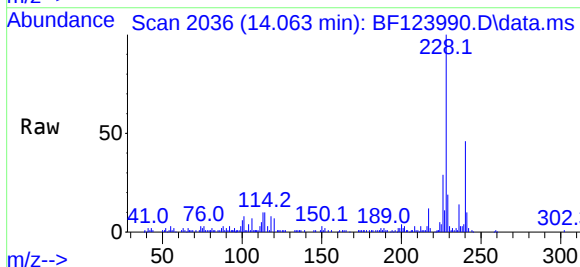
Instrument :
BNA_F
ClientSampleId :
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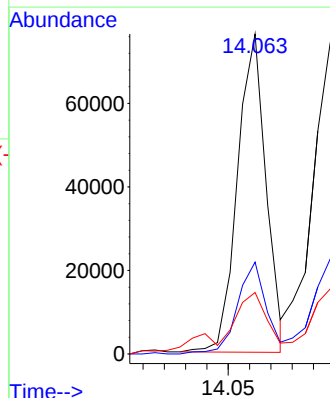
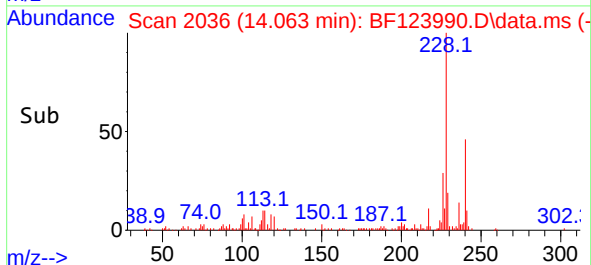
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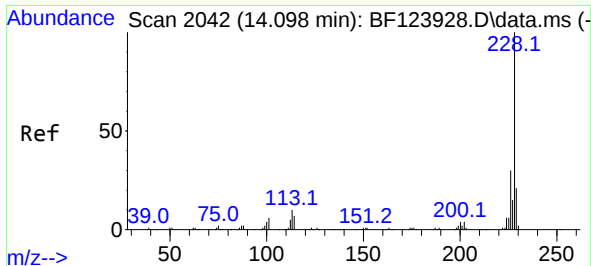


#81
Benzo(a)anthracene
Concen: 8.92 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

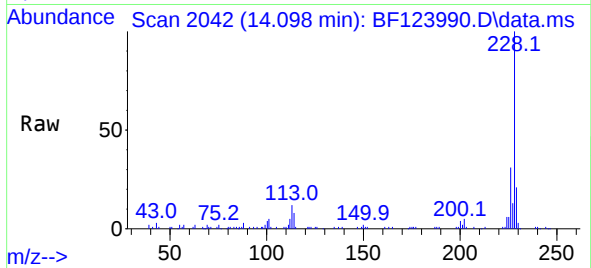


Tgt Ion:228 Resp: 71083
Ion Ratio Lower Upper
228 100
226 28.7 22.4 33.6
229 19.2 16.0 24.0

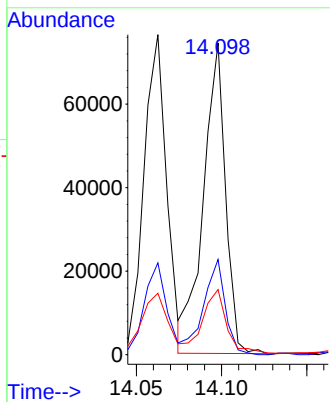
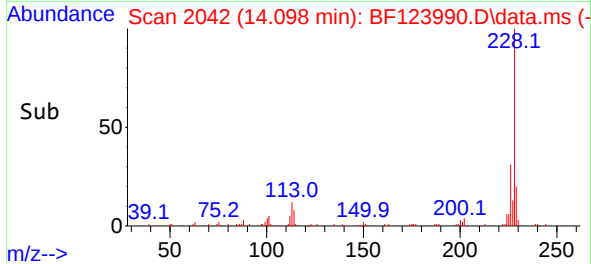




#83
Chrysene
Concen: 8.75 ng
RT: 14.098 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04



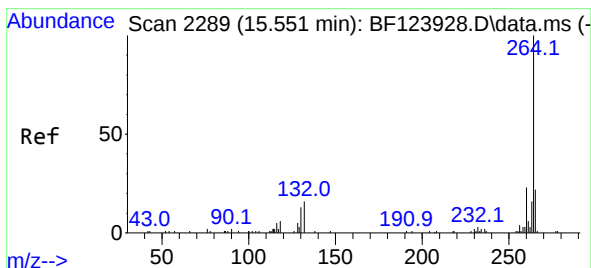
Tgt Ion:228 Resp: 67047
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 20.9 16.2 24.2



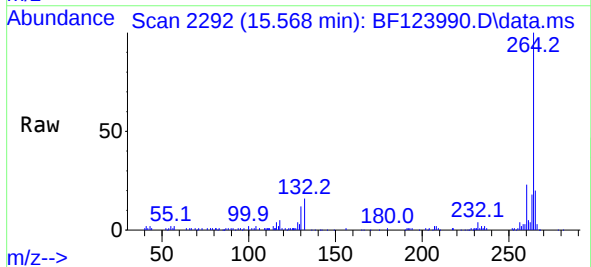
Instrument :
BNA_F
ClientSampleId :
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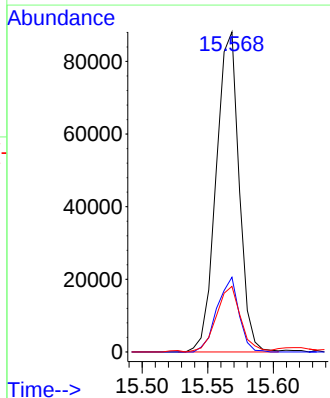
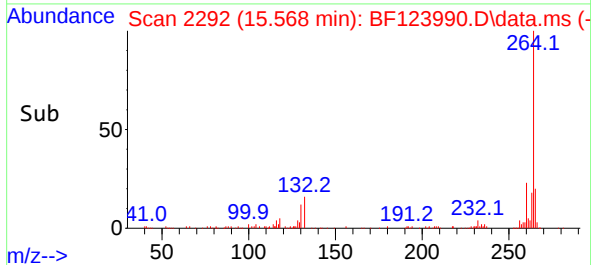
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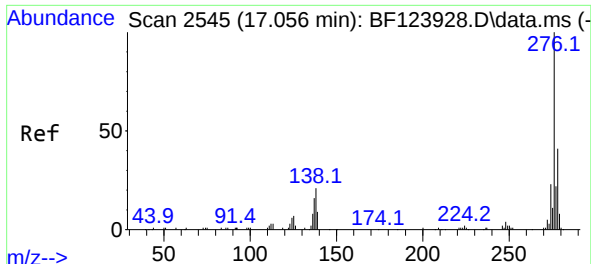


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.018 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

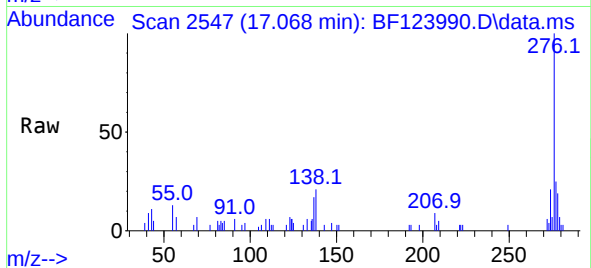


Tgt Ion:264 Resp: 107130
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 20.5 17.8 26.8

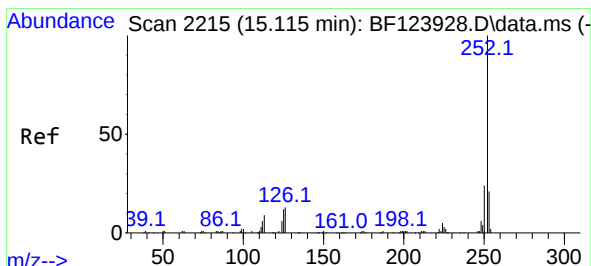
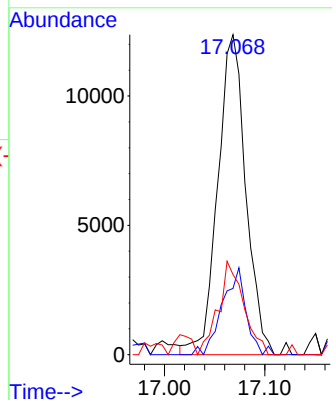
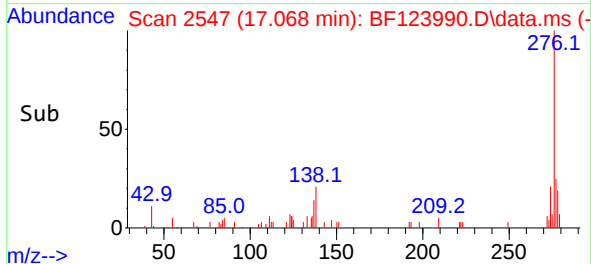




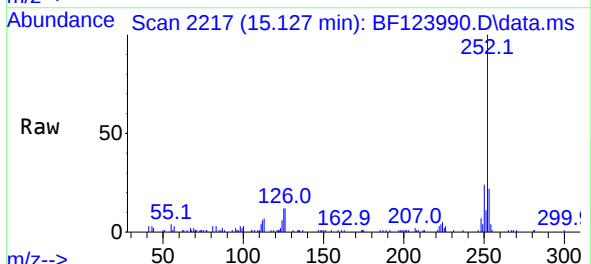
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.90 ng
RT: 17.068 min Scan# 2547
Delta R.T. 0.012 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04



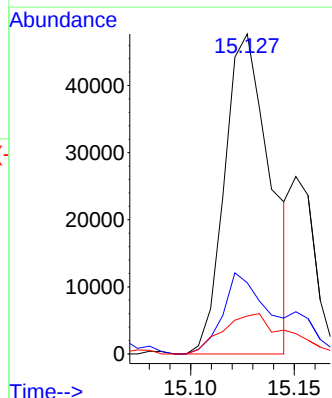
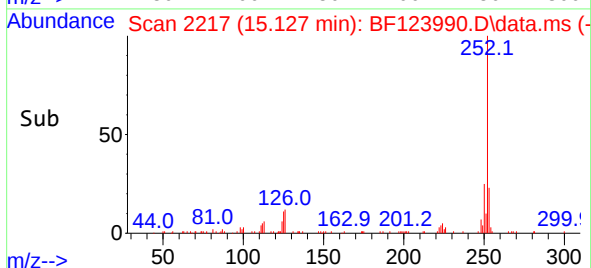
Tgt Ion: 276 Resp: 24015
Ion Ratio Lower Upper
276 100
138 23.0 16.2 24.2
277 26.5 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 8.82 ng m
RT: 15.127 min Scan# 2217
Delta R.T. 0.012 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04



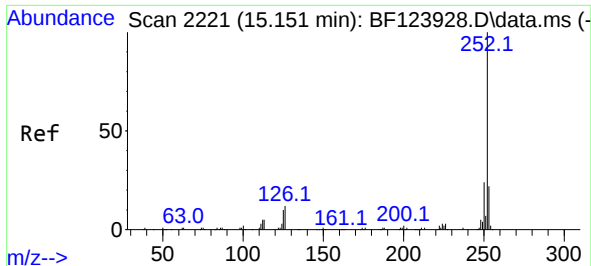
Tgt Ion: 252 Resp: 73087
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 11.9 6.2 9.4#



Instrument :
BNA_F
ClientSampleId :
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#89

Benzo(k)fluoranthene

Concen: 2.82 ng m

RT: 15.151 min Scan# 2221

Delta R.T. 0.000 min

Lab File: BF123990.D

Acq: 19 May 2021 15:04

Tgt Ion:	252	Resp:	21314
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.9	26.9
125	11.5	7.0	10.6#

Instrument :

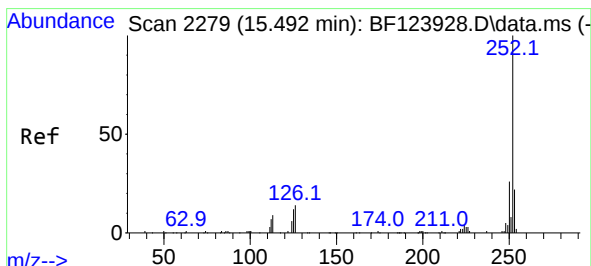
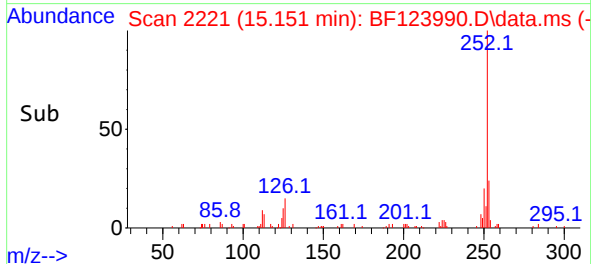
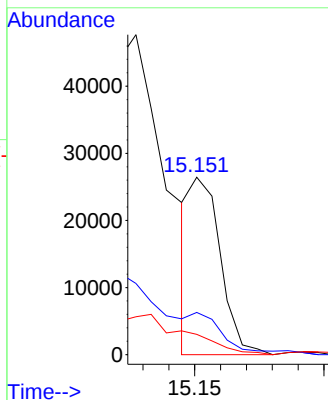
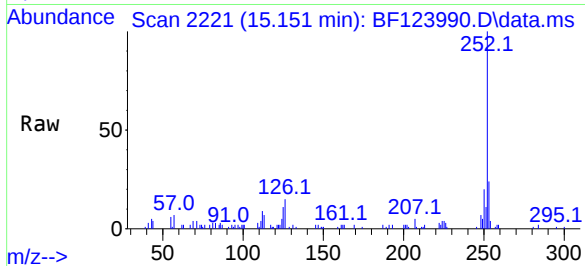
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ClientSampleId :

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#90

Benzo(a)pyrene

Concen: 7.33 ng

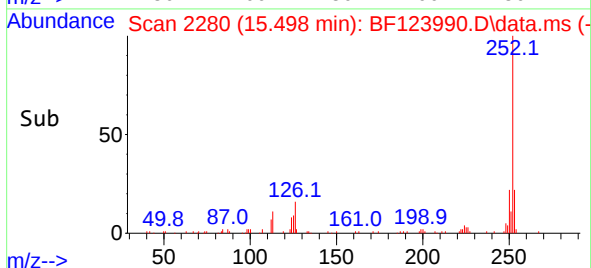
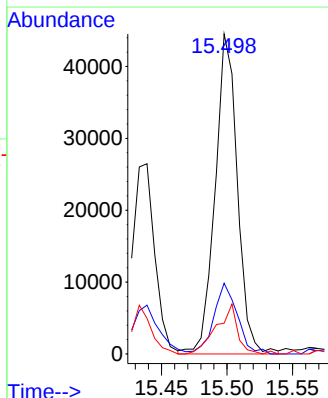
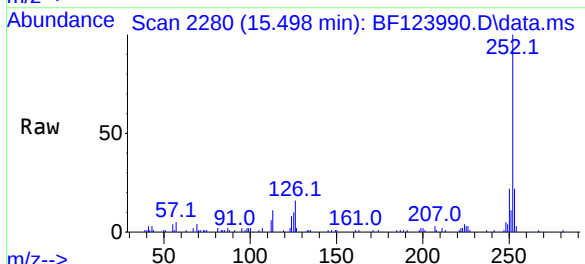
RT: 15.498 min Scan# 2280

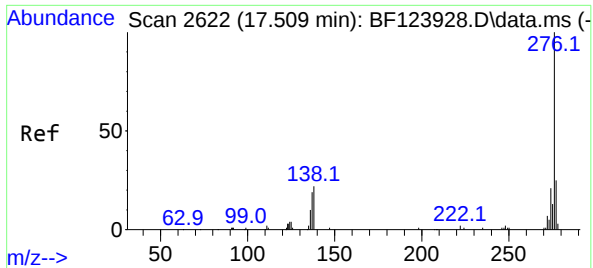
Delta R.T. 0.006 min

Lab File: BF123990.D

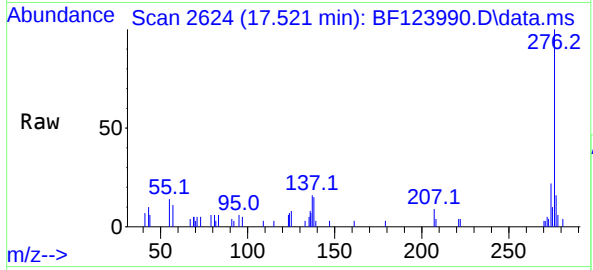
Acq: 19 May 2021 15:04

Tgt Ion:	252	Resp:	52533
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.4	27.6
125	9.6	8.0	12.0

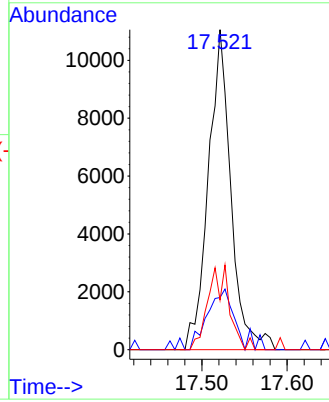
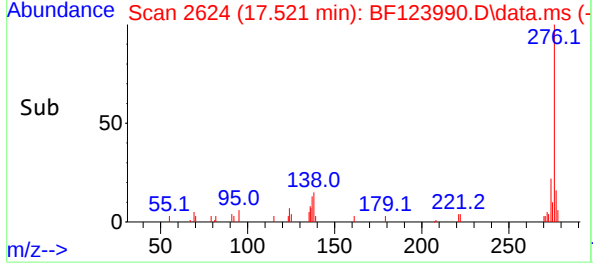




#92
 Benzo(g,h,i)perylene
 Concen: 2.92 ng
 RT: 17.521 min Scan# 2624
 Delta R.T. 0.012 min
 Lab File: BF123990.D
 Acq: 19 May 2021 15:04



Tgt Ion:	276	Resp:	20426
Ion Ratio	Lower	Upper	
276	100		
277	16.3	18.2	27.2#
138	15.5	13.8	20.6



Instrument :
 BNA_F
 ClientSampleId :
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