

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
 Data File : BF123999.D
 Acq On : 19 May 2021 20:03
 Operator : JU/CG
 Sample : M2437-08 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Manual Integrations
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 5/20/2021 11:35:11 AM

Quant Time: May 20 02:26:56 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	46043	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	179619	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	96452	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	143037	20.00	ng	# 0.00
76) Chrysene-d12	14.080	240	112254	20.00	ng	0.01
86) Perylene-d12	15.568	264	79015	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	40778	12.43	ng	0.00
7) Phenol-d6	6.516	99	54136	12.73	ng	0.00
23) Nitrobenzene-d5	7.457	82	39474	9.47	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	12616	10.89	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	65599	8.37	ng	0.00
79) Terphenyl-d14	13.015	244	54040	7.29	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.210	128	41904	3.94	ng	97
37) 2-Methylnaphthalene	8.898	142	16041	2.23	ng	95
49) Acenaphthylene	9.804	152	20803	2.09	ng	95
52) Acenaphthene	9.974	154	29138	4.27	ng	89
55) Dibenzofuran	10.145	168	36188	3.69	ng	94
58) Fluorene	10.492	166	44805	6.07	ng	86
71) Phenanthrene	11.463	178	608522	67.13	ng	99
72) Anthracene	11.504	178	141954	15.45	ng	98
73) Carbazole	11.657	167	63020	7.84	ng	99
75) Fluoranthene	12.651	202	724093	77.14	ng	99
78) Pyrene	12.880	202	624872	62.70	ng	98
81) Benzo(a)anthracene	14.068	228	293882	36.20	ng	100
83) Chrysene	14.104	228	272742m	34.93	ng	
87) Indeno(1,2,3-cd)pyrene	17.080	276	92937	15.23	ng	98
88) Benzo(b)fluoranthene	15.133	252	258746m	42.33	ng	
89) Benzo(k)fluoranthene	15.156	252	79305m	14.24	ng	
90) Benzo(a)pyrene	15.509	252	172837	32.71	ng	98
91) Dibenzo(a,h)anthracene	17.086	278	24592	4.79	ng	# 82
92) Benzo(g,h,i)perylene	17.533	276	92162	17.88	ng	# 91

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

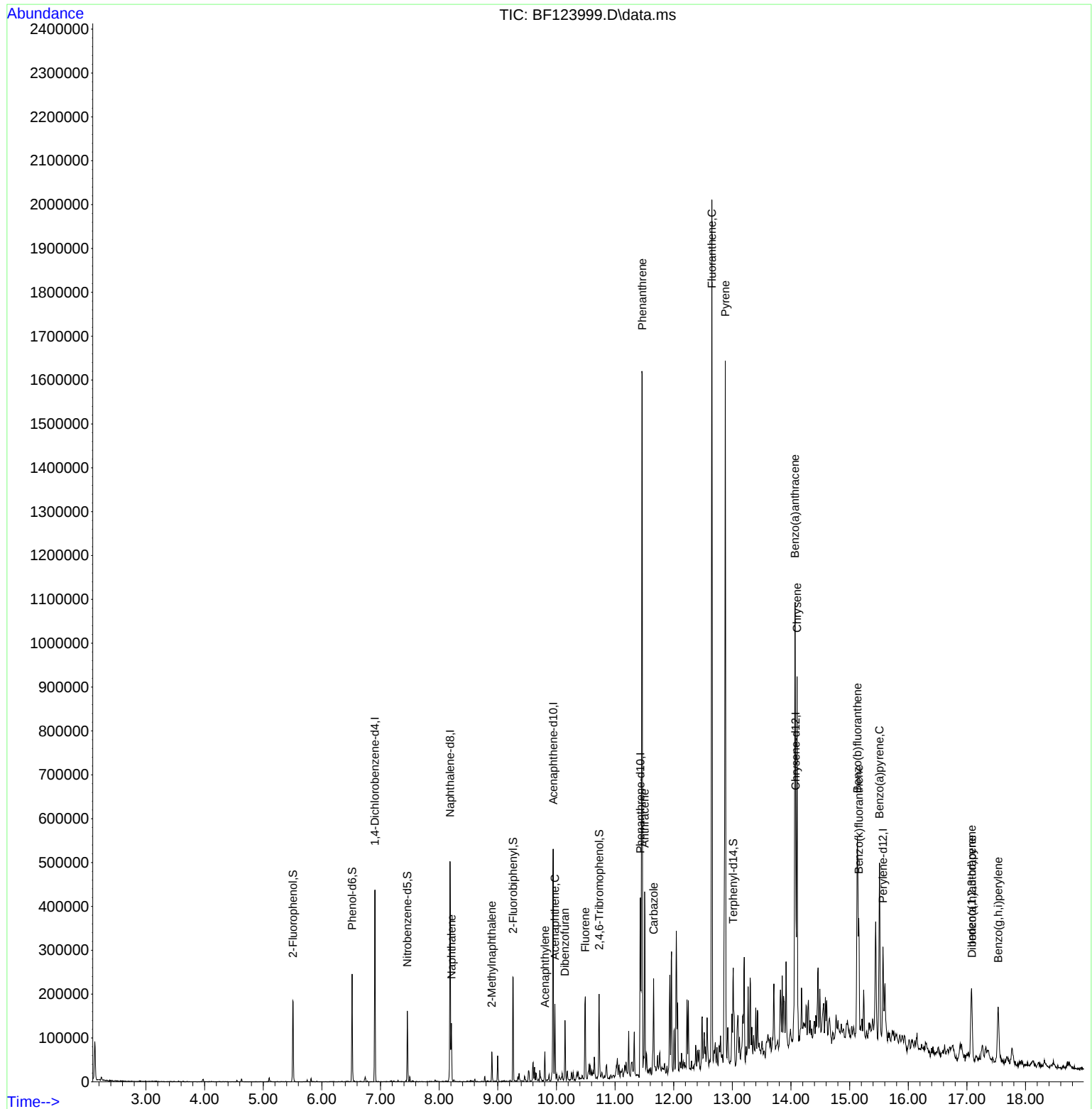
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123999.D
Acq On : 19 May 2021 20:03
Operator : JU/CG
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Misc :
ALS Vial : 17 Sample Multiplier: 1

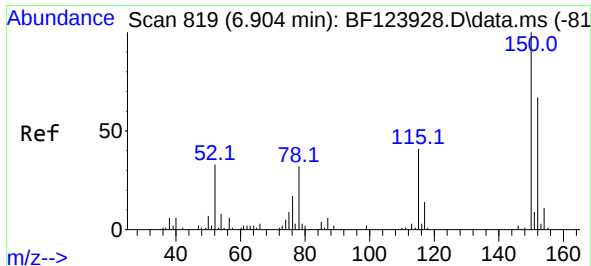
Instrument :
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ClientSampleId :
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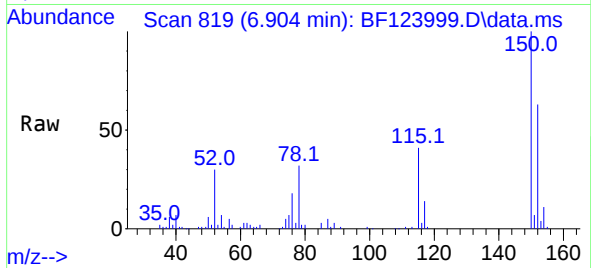
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Quant Time: May 20 02:26:56 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 19:05:57 2021
Response via : Initial Calibration

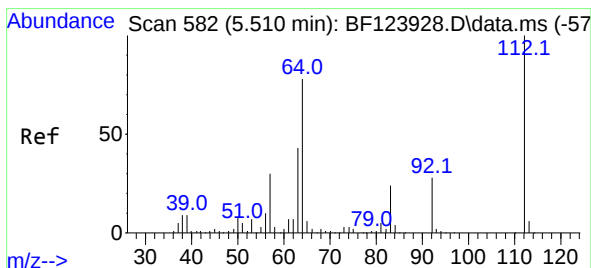
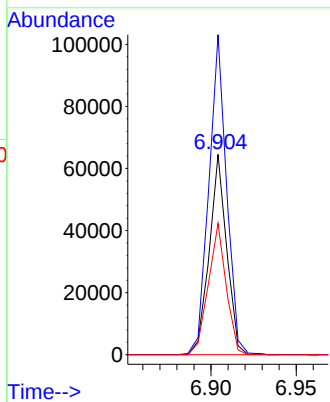
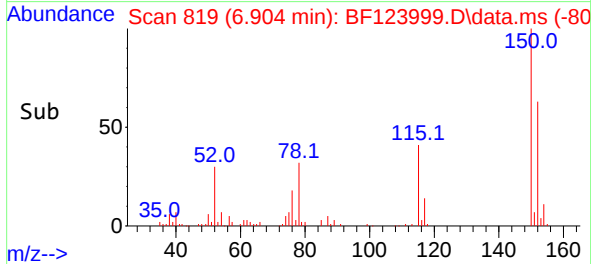




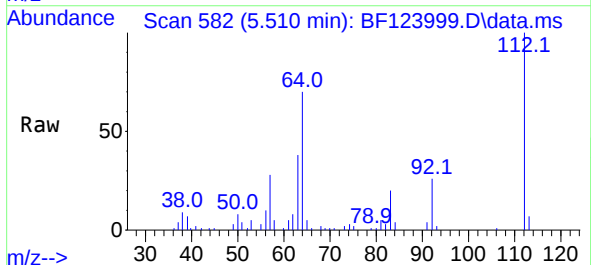
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03



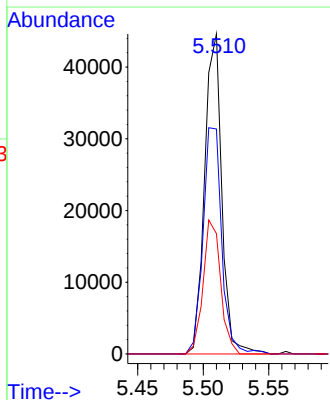
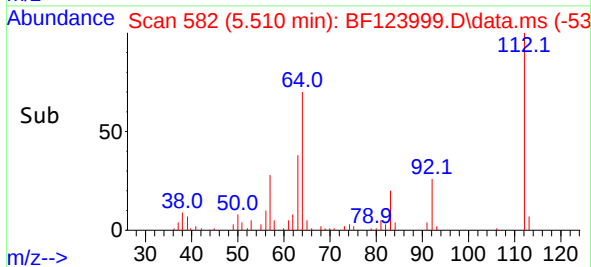
Tgt Ion:152 Resp: 46043
Ion Ratio Lower Upper
152 100
150 159.7 127.0 190.6
115 65.6 54.3 81.5



#5
2-Fluorophenol
Concen: 12.43 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03



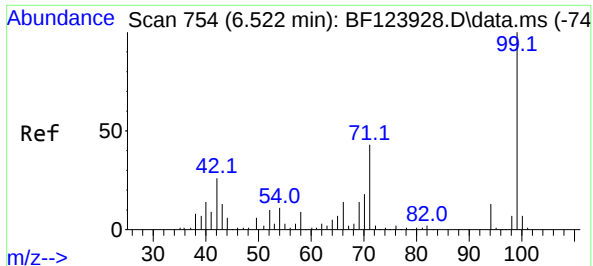
Tgt Ion:112 Resp: 40778
Ion Ratio Lower Upper
112 100
64 70.3 61.4 92.0
63 37.6 33.0 49.4



Instrument :
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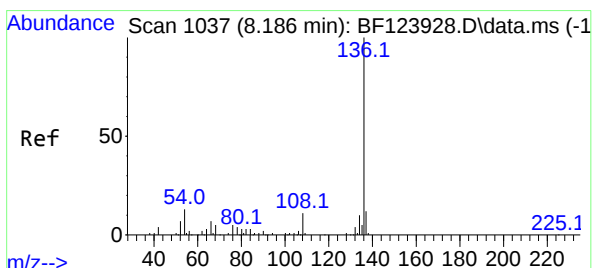
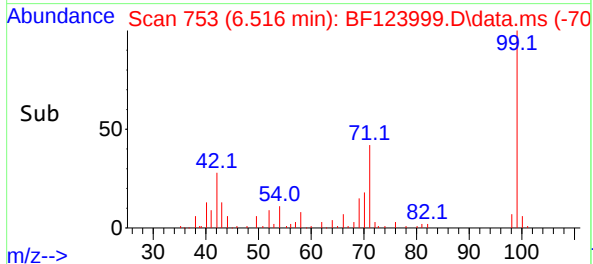
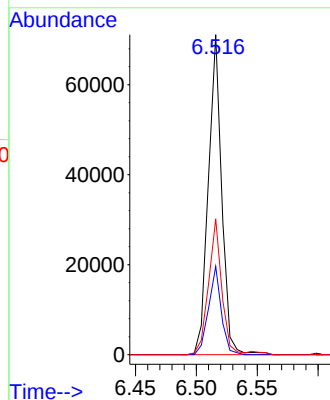
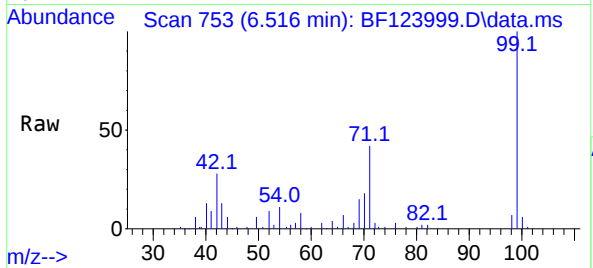
#7
Phenol-d6
Concen: 12.73 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:	99	Resp:	54136
Ion	Ratio	Lower	Upper
99	100		
42	27.6	19.8	29.8
71	42.4	31.1	46.7

Instrument :
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ClientSampleId :
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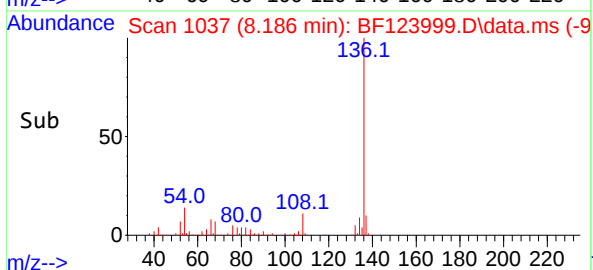
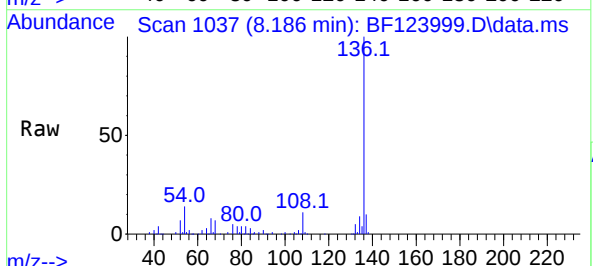
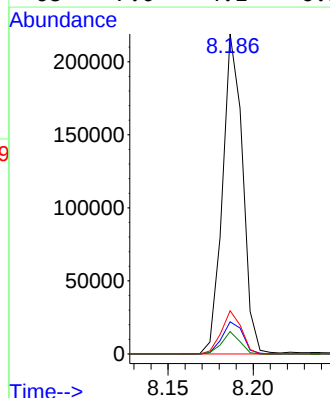
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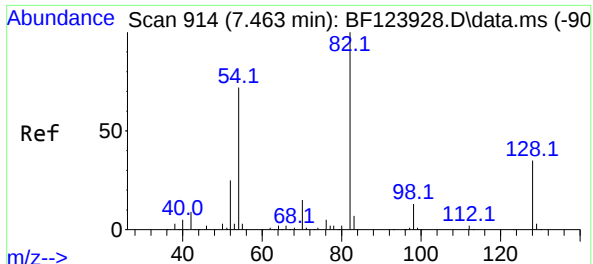
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:	136	Resp:	179619
Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.7	13.1
54	13.5	9.8	14.6
68	7.0	4.1	6.1





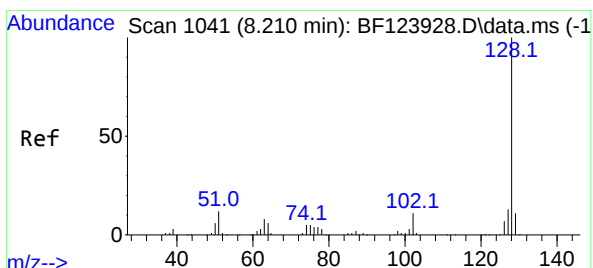
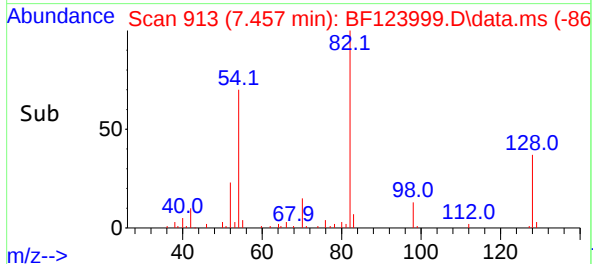
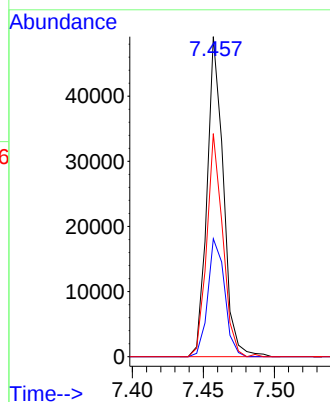
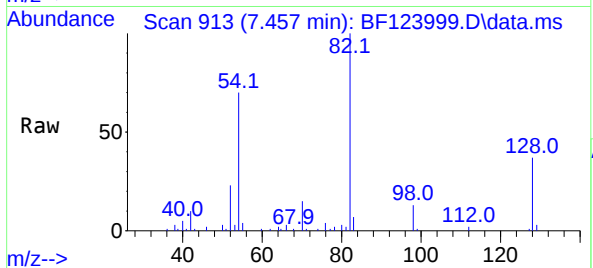
#23
Nitrobenzene-d5
Concen: 9.47 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion: 82 Resp: 39474
Ion Ratio Lower Upper
82 100
128 36.8 29.4 44.2
54 69.7 54.1 81.1

Instrument :
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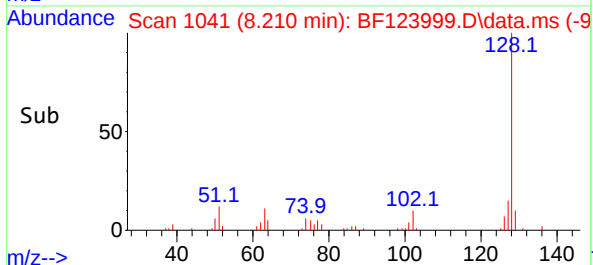
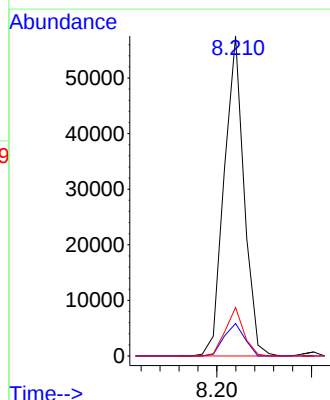
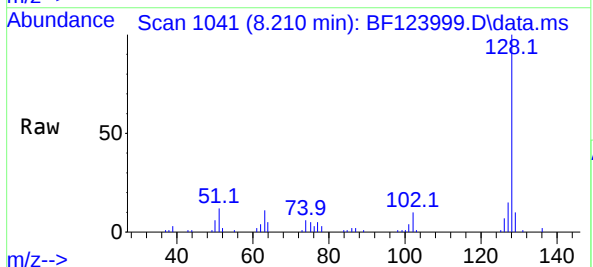
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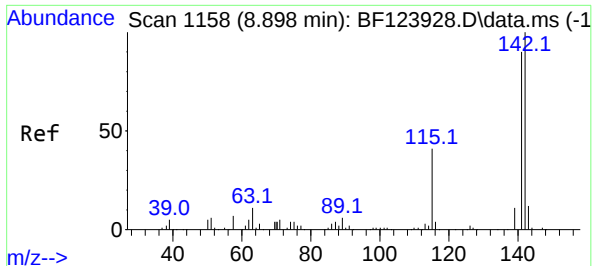
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#31
Naphthalene
Concen: 3.94 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

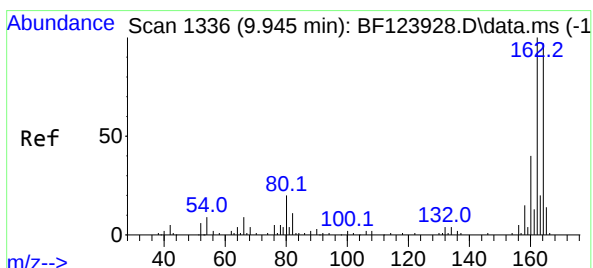
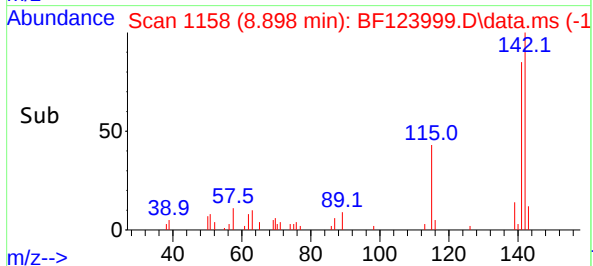
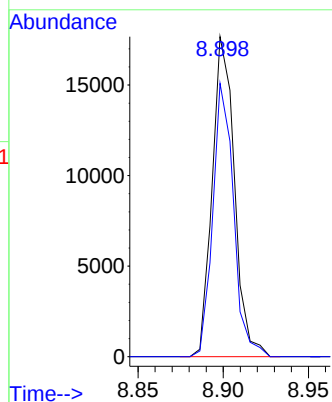
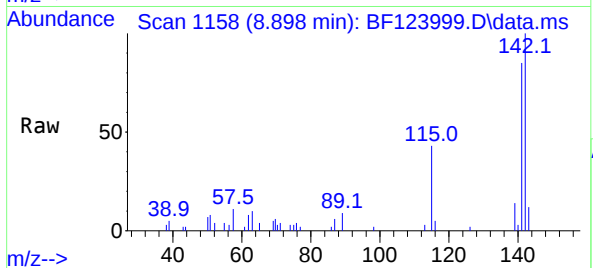
Tgt Ion: 128 Resp: 41904
Ion Ratio Lower Upper
128 100
129 10.1 8.9 13.3
127 15.1 10.8 16.2





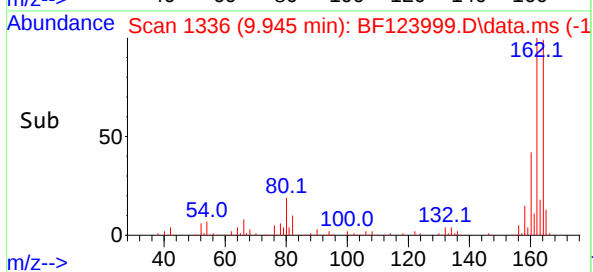
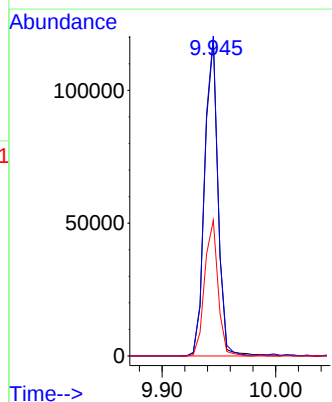
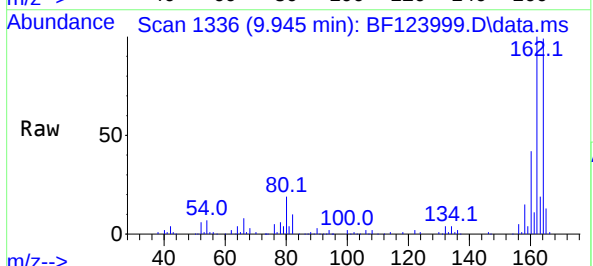
#37
2-Methylnaphthalene
Concen: 2.23 ng
RT: 8.898 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:142 Resp: 16041
Ion Ratio Lower Upper
142 100
141 85.4 71.8 107.6



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

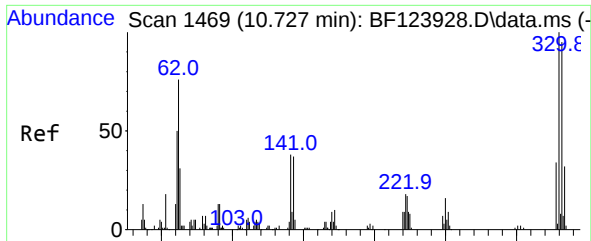
Tgt Ion:164 Resp: 96452
Ion Ratio Lower Upper
164 100
162 101.3 80.7 121.1
160 42.9 37.3 55.9



Instrument :
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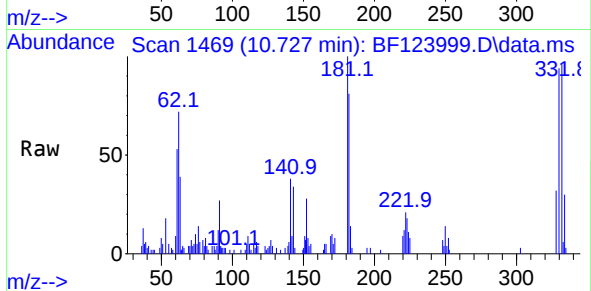
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#42
2,4,6-Tribromophenol
Concen: 10.89 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

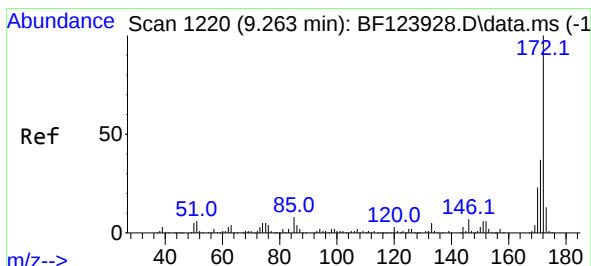
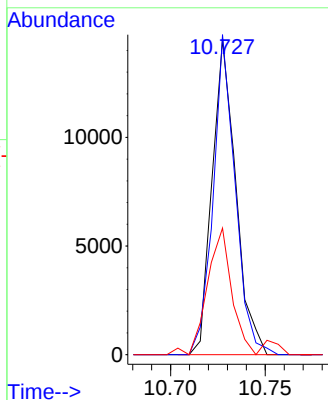
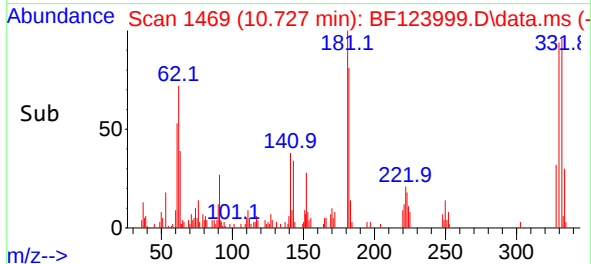
Instrument :
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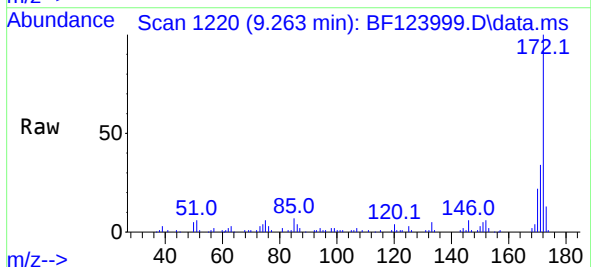
Tgt Ion:330 Resp: 12616
Ion Ratio Lower Upper
330 100
332 94.7 77.1 115.7
141 41.5 27.9 41.9

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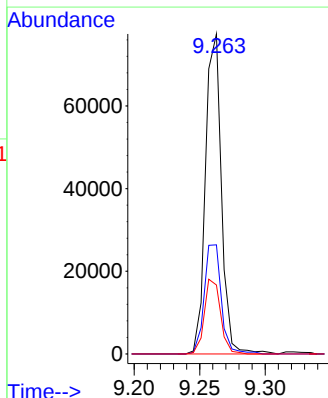
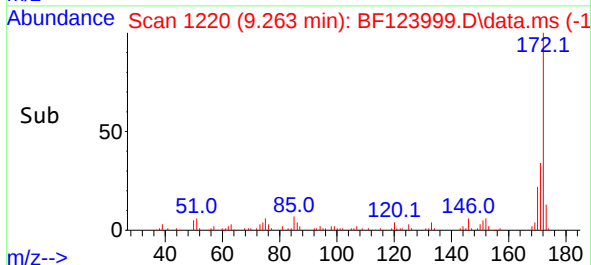
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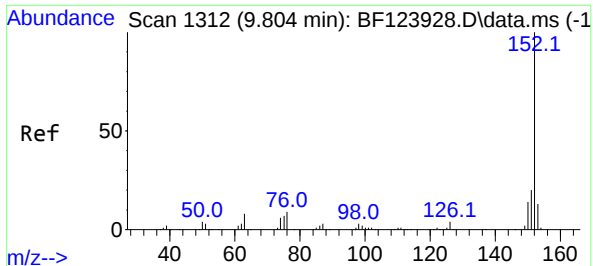


#45
2-Fluorobiphenyl
Concen: 8.37 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03



Tgt Ion:172 Resp: 65599
Ion Ratio Lower Upper
172 100
171 34.1 28.1 42.1
170 21.6 19.2 28.8





#49

Acenaphthylene

Concen: 2.09 ng

RT: 9.804 min Scan# 1312

Delta R.T. -0.000 min

Lab File: BF123999.D

Acq: 19 May 2021 20:03

Tgt Ion:	152	Resp:	20803
Ion Ratio	Lower	Upper	
152	100		
151	17.7	16.0	24.0
153	14.8	10.4	15.6

Instrument :

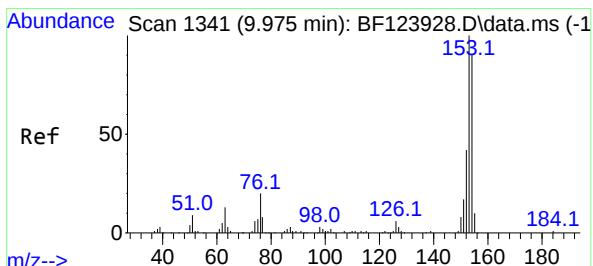
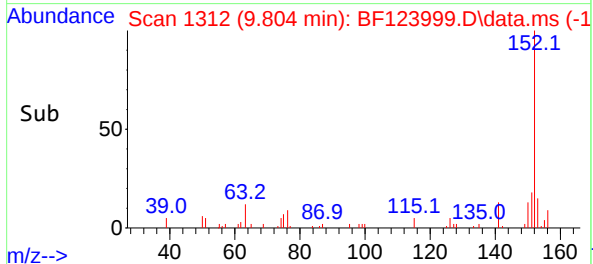
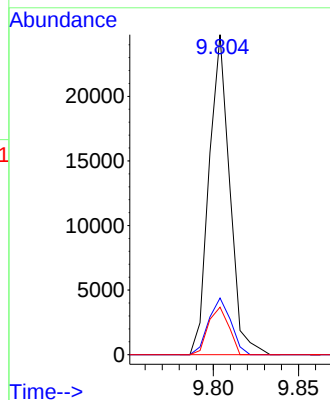
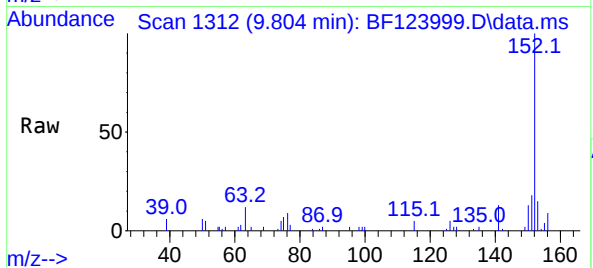
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#52

Acenaphthene

Concen: 4.27 ng

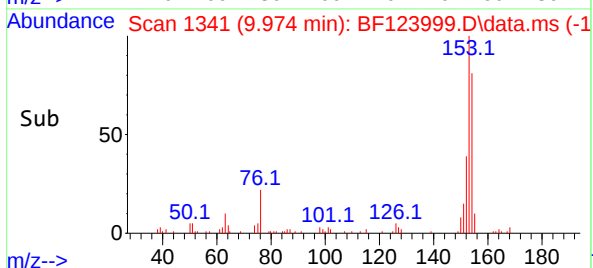
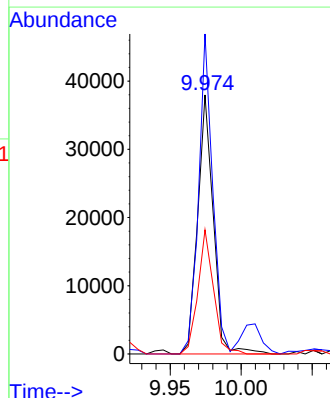
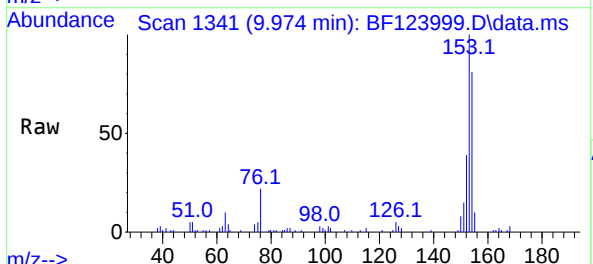
RT: 9.974 min Scan# 1341

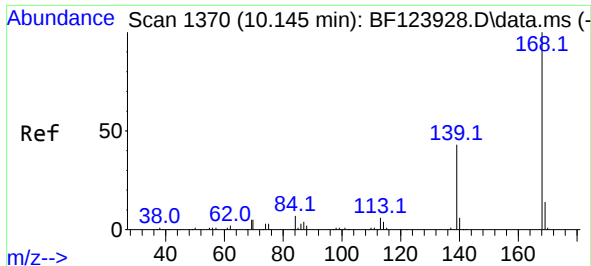
Delta R.T. -0.000 min

Lab File: BF123999.D

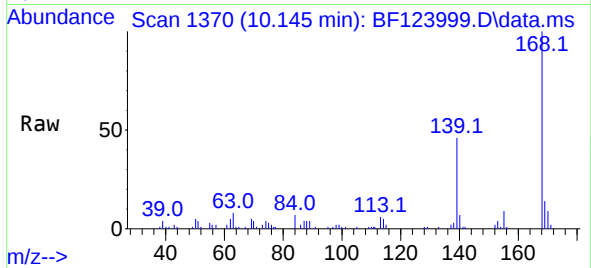
Acq: 19 May 2021 20:03

Tgt Ion:	154	Resp:	29138
Ion Ratio	Lower	Upper	
154	100		
153	123.5	88.1	132.1
152	47.9	43.4	65.0

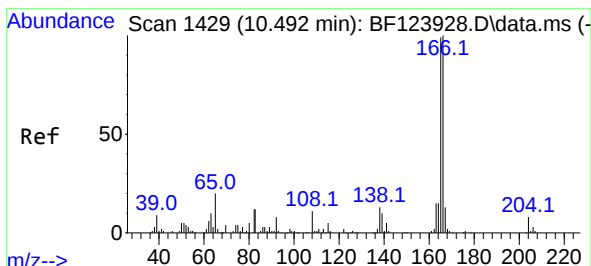
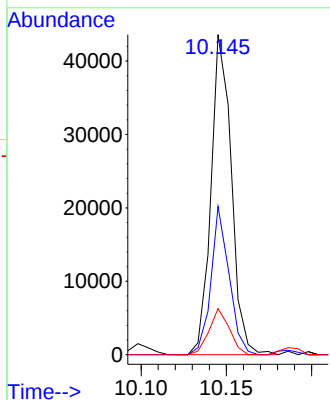
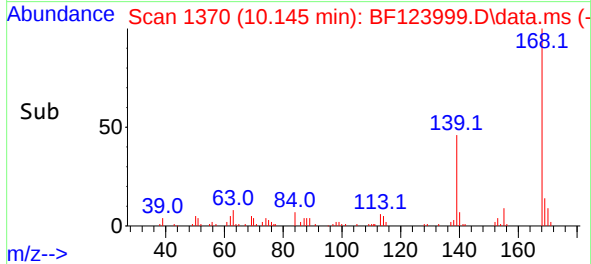




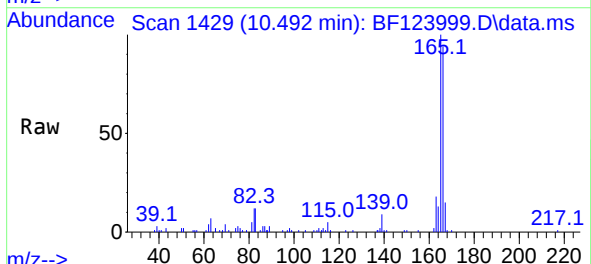
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Dibenzenofuran
Concen: 3.69 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03



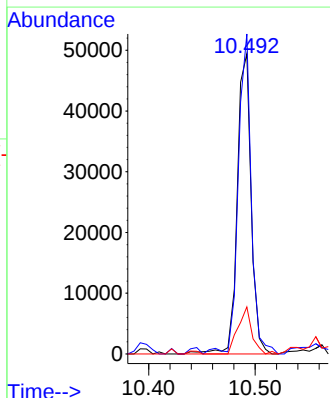
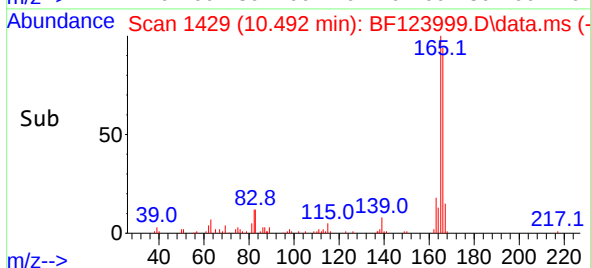
Tgt Ion:168 Resp: 36188
Ion Ratio Lower Upper
168 100
139 46.3 33.2 49.8
169 14.4 10.8 16.2



#58
Fluorene
Concen: 6.07 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03



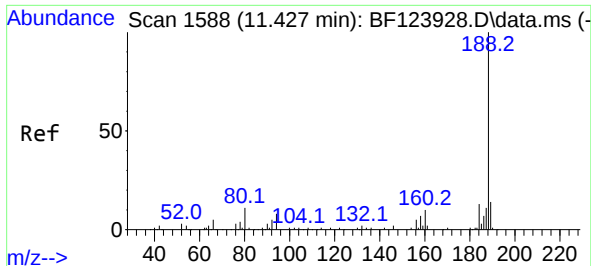
Tgt Ion:166 Resp: 44805
Ion Ratio Lower Upper
166 100
165 106.6 73.5 110.3
167 15.7 10.7 16.1



Instrument :
BNA_F
ClientSampleId :
TP-3

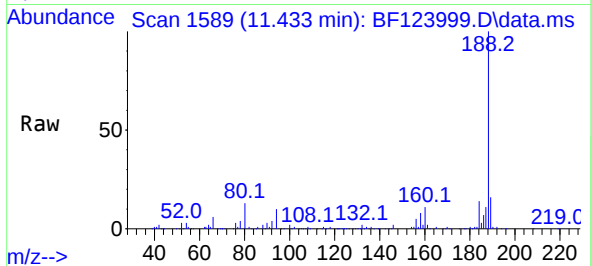
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mohammad
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.006 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

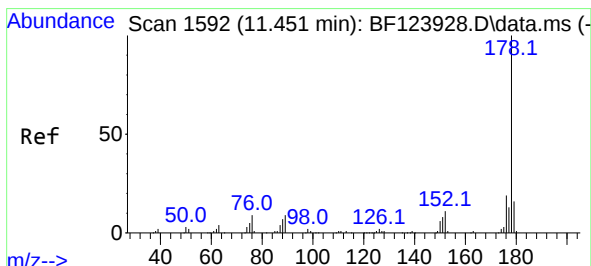
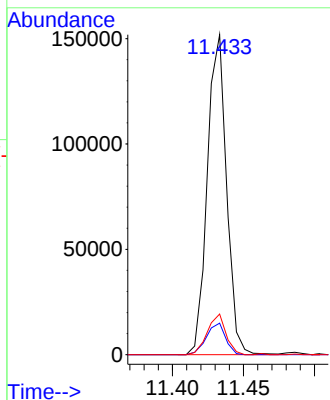
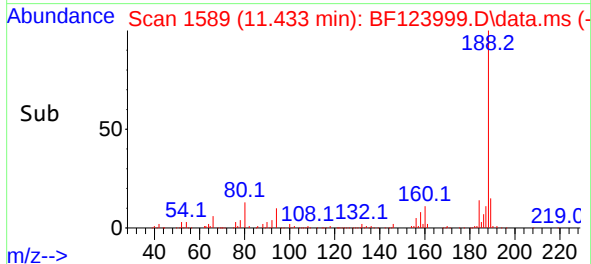
Instrument :
BNA_F
ClientSampled :
TP-3



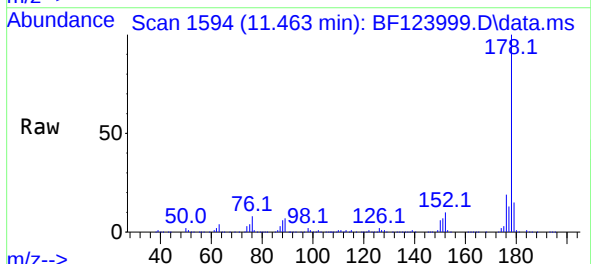
Tgt Ion:188 Resp: 143037
Ion Ratio Lower Upper
188 100
94 9.8 6.9 10.3
80 12.7 8.2 12.2#

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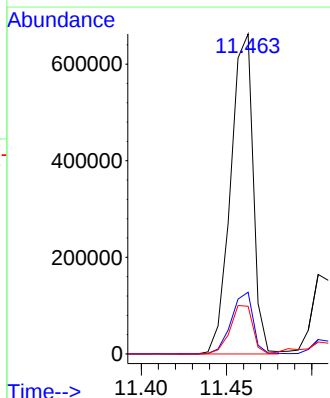
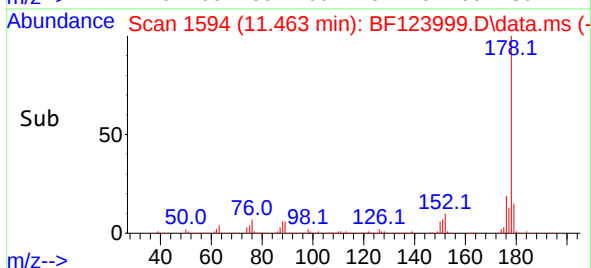
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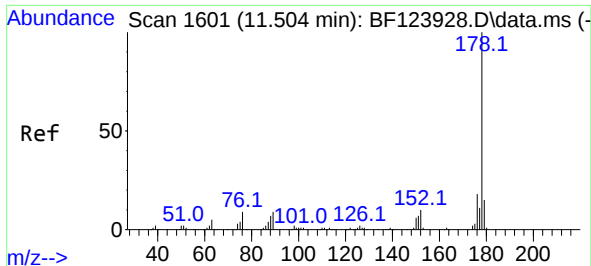


#71
Phenanthrene
Concen: 67.13 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.012 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03



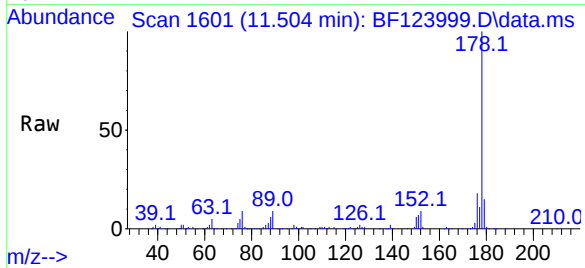
Tgt Ion:178 Resp: 608522
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 14.9 12.5 18.7





#72
 Anthracene
 Concen: 15.45 ng
 RT: 11.504 min Scan# 1601
 Delta R.T. -0.000 min
 Lab File: BF123999.D
 Acq: 19 May 2021 20:03

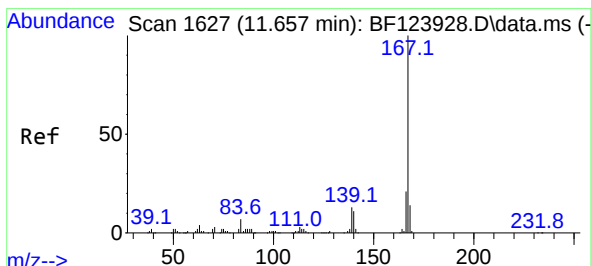
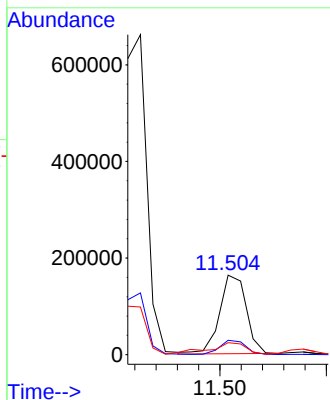
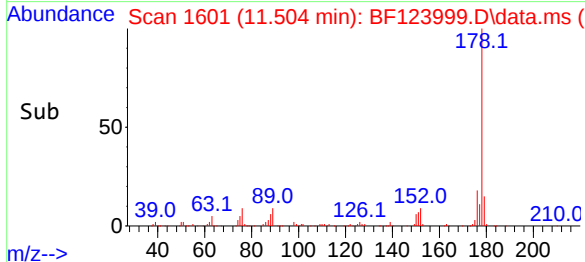
Instrument :
 BNA_F
 ClientSampled :
 TP-3



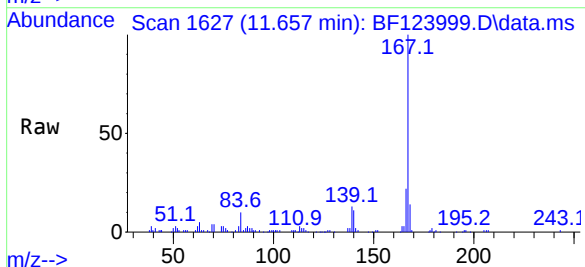
Tgt Ion:178 Resp: 141954
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.0
 179 15.1 12.6 18.8

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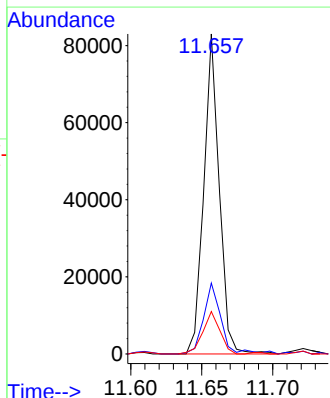
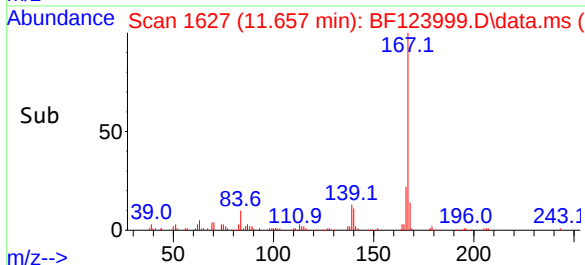
mohammad
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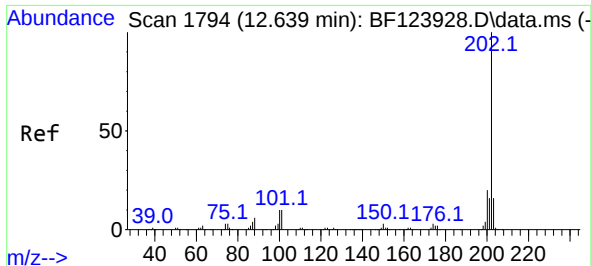


#73
 Carbazole
 Concen: 7.84 ng
 RT: 11.657 min Scan# 1627
 Delta R.T. -0.000 min
 Lab File: BF123999.D
 Acq: 19 May 2021 20:03

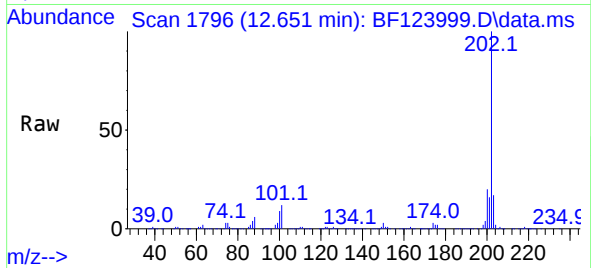


Tgt Ion:167 Resp: 63020
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.0 25.6
 139 13.2 10.4 15.6

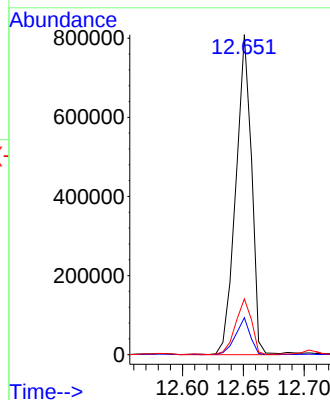
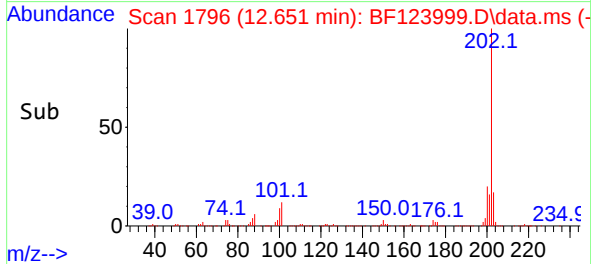




#75
Fluoranthene
Concen: 77.14 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.012 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03



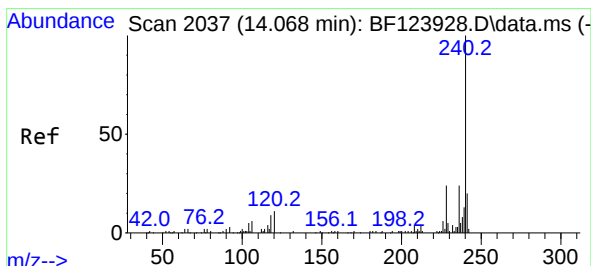
Tgt Ion:202 Resp: 724093
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.9
203 17.4 0.0 37.5



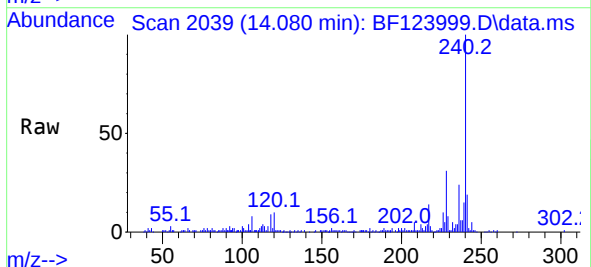
Instrument :
BNA_F
ClientSampleId :
TP-3

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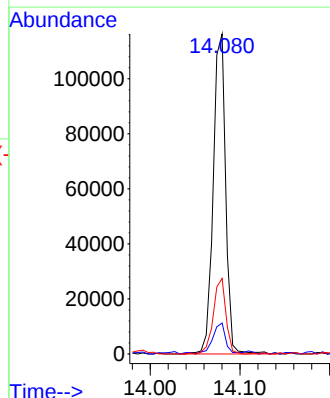
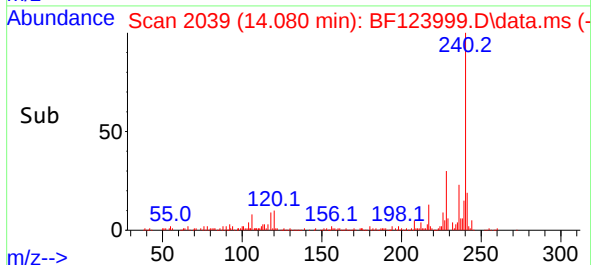
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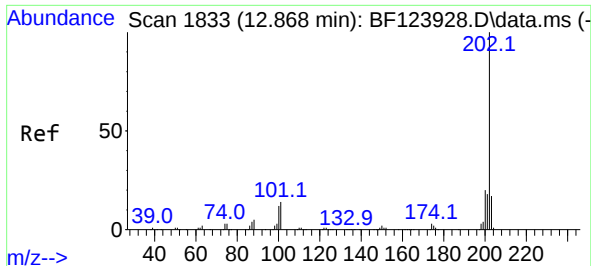


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.012 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03



Tgt Ion:240 Resp: 112254
Ion Ratio Lower Upper
240 100
120 9.6 7.2 10.8
236 23.6 19.0 28.4





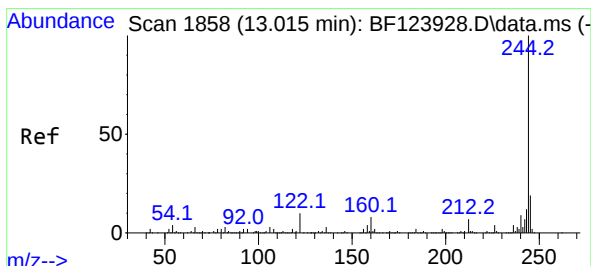
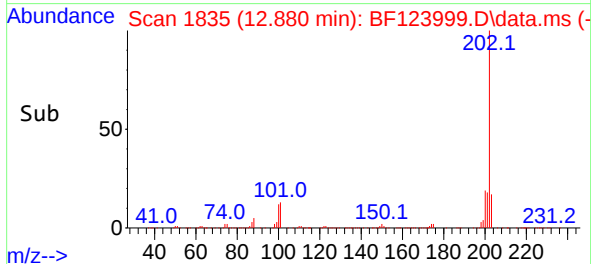
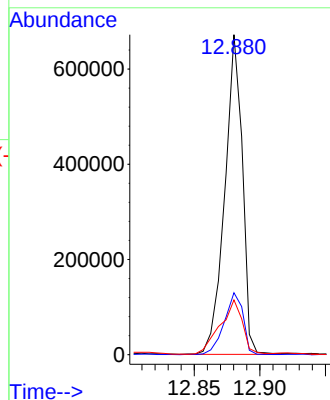
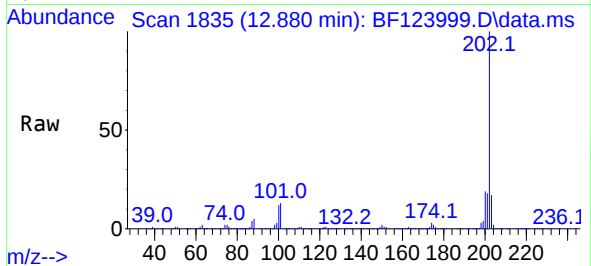
#78
Pyrene
Concen: 62.70 ng
RT: 12.880 min Scan# 1835
Delta R.T. 0.012 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:202 Resp: 624872
Ion Ratio Lower Upper
202 100
200 19.3 16.1 24.1
203 17.1 14.8 22.2

Instrument :
BNA_F
ClientSampled :
TP-3

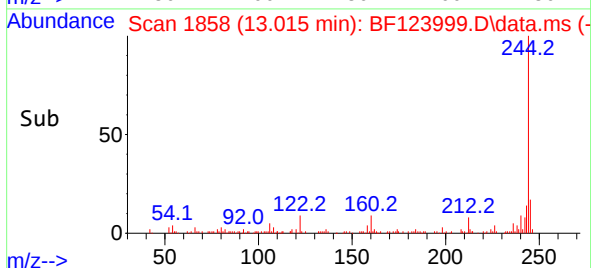
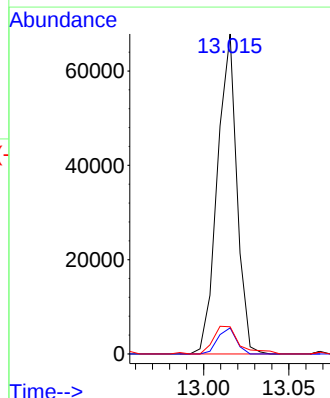
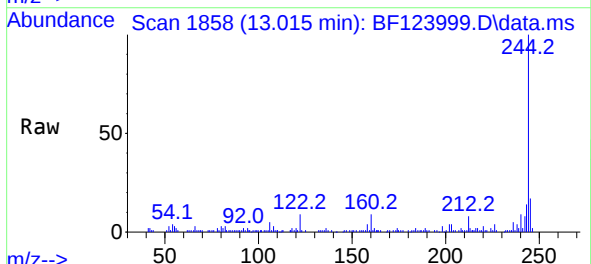
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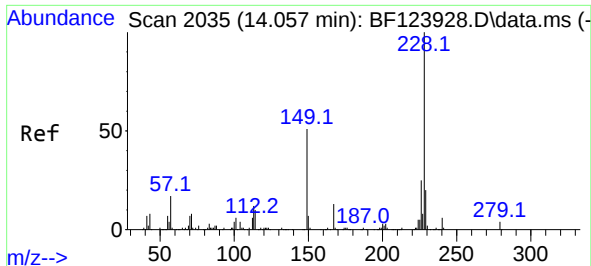
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#79
Terphenyl-d14
Concen: 7.29 ng
RT: 13.015 min Scan# 1858
Delta R.T. -0.000 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:244 Resp: 54040
Ion Ratio Lower Upper
244 100
212 8.2 5.7 8.5
122 8.5 9.7 14.5#





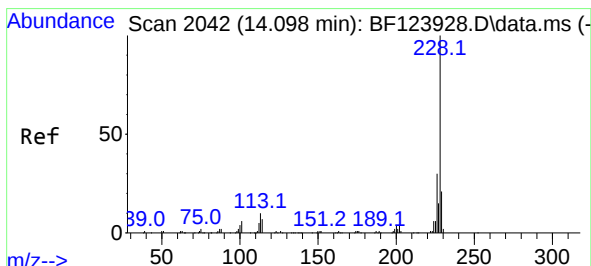
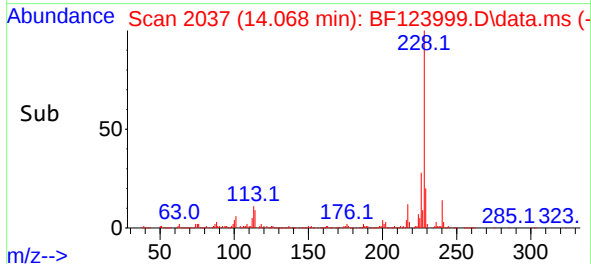
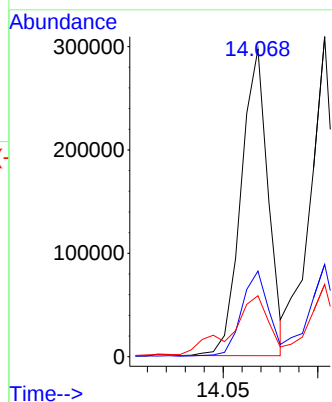
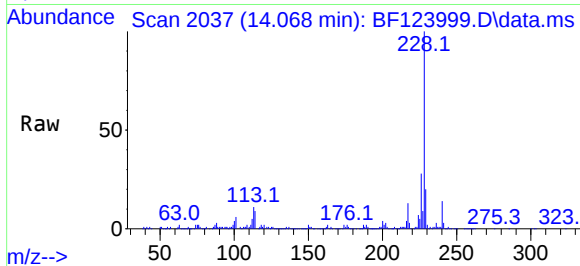
#81
Benzo(a)anthracene
Concen: 36.20 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.012 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Instrument :
BNA_F
ClientSampled :
TP-3

Tgt Ion:228 Resp: 293882
Ion Ratio Lower Upper
228 100
226 27.8 22.4 33.6
229 19.8 16.0 24.0

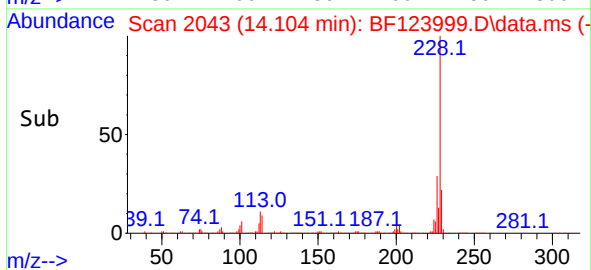
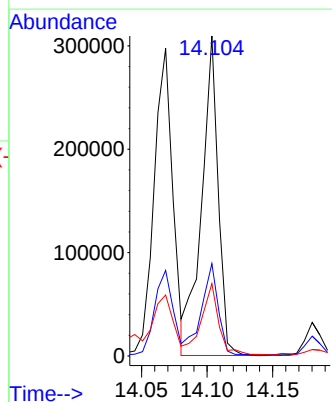
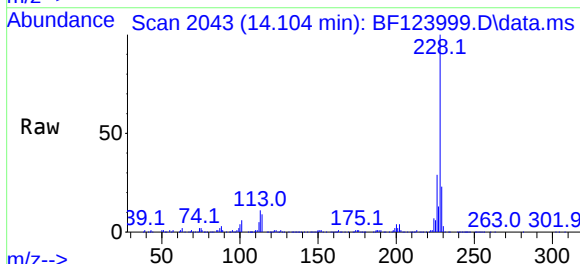
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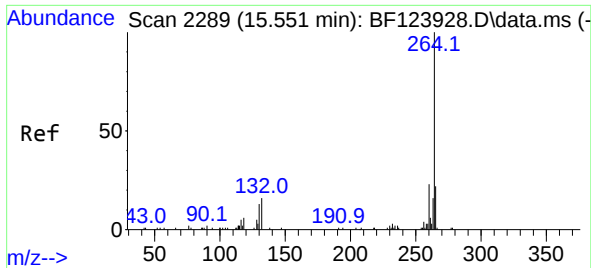
mohammad
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#83
Chrysene
Concen: 34.93 ng m
RT: 14.104 min Scan# 2043
Delta R.T. 0.006 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:228 Resp: 272742
Ion Ratio Lower Upper
228 100
226 28.9 24.3 36.5
229 22.6 16.2 24.2





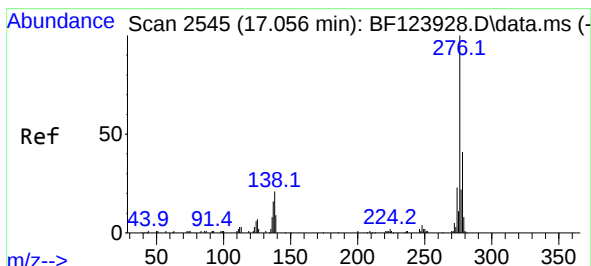
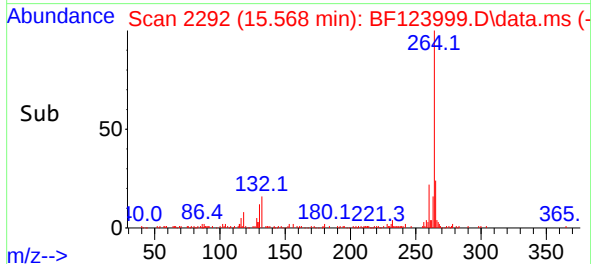
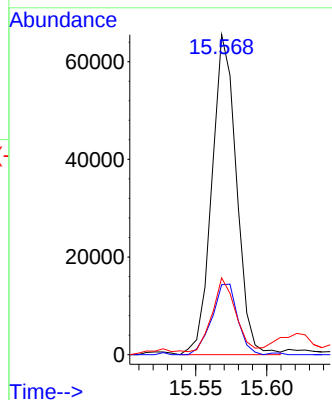
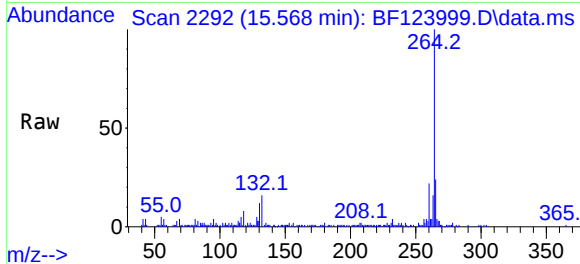
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.018 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:264	Resp:	79015
Ion Ratio	Lower	Upper
264	100	
260	21.9	18.7 28.1
265	24.0	17.8 26.8

Instrument :
BNA_F
ClientSampled :
TP-3

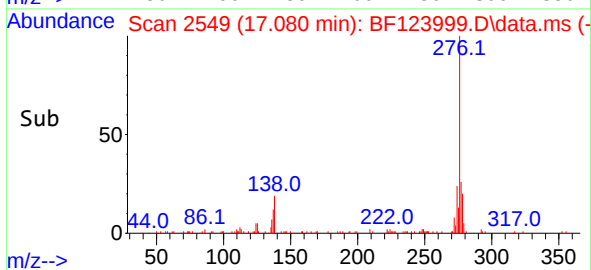
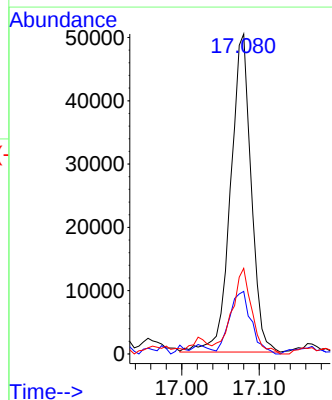
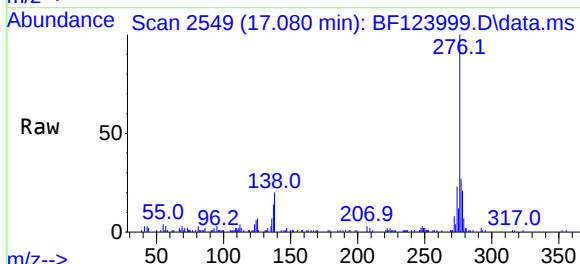
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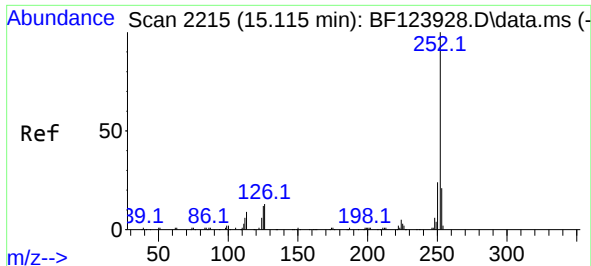
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#87
Indeno(1,2,3-cd)pyrene
Concen: 15.23 ng
RT: 17.080 min Scan# 2549
Delta R.T. 0.023 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:276	Resp:	92937
Ion Ratio	Lower	Upper
276	100	
138	20.9	16.2 24.2
277	26.2	20.1 30.1





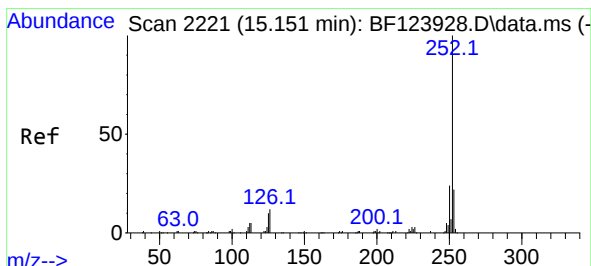
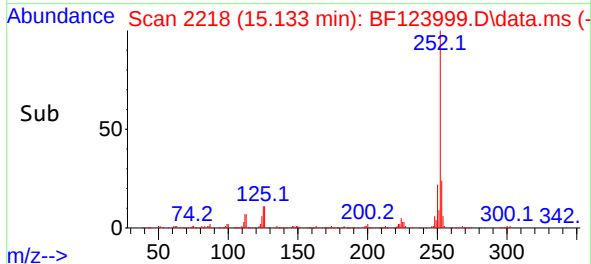
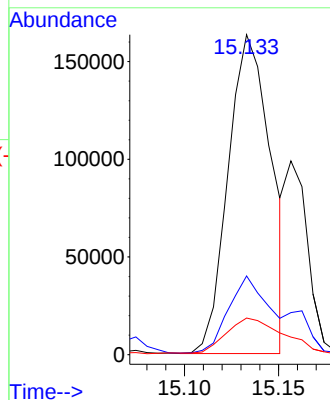
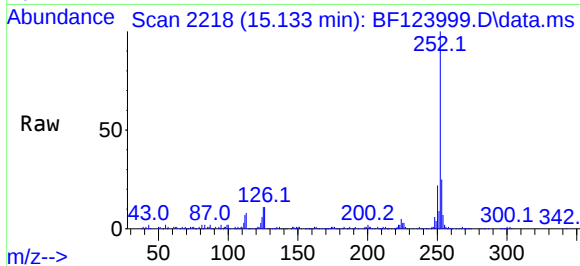
#88
Benzo(b)fluoranthene
Concen: 42.33 ng m
RT: 15.133 min Scan# 2218
Delta R.T. 0.018 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:252 Resp: 258746
Ion Ratio Lower Upper
252 100
253 24.6 18.1 27.1
125 11.4 6.2 9.4#

Instrument :
BNA_F
ClientSampled :
TP-3

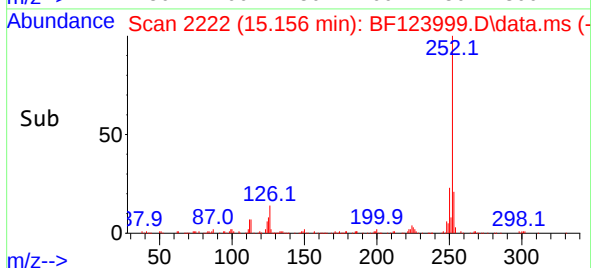
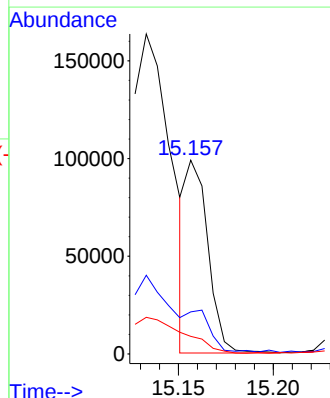
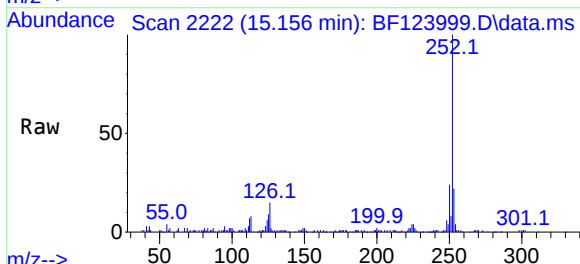
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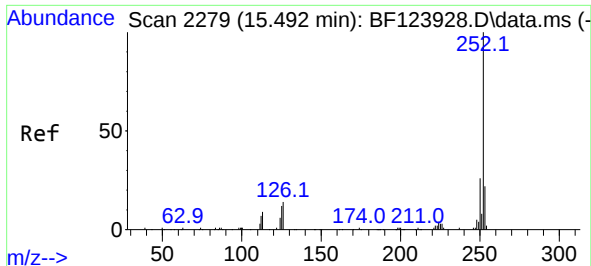
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#89
Benzo(k)fluoranthene
Concen: 14.24 ng m
RT: 15.156 min Scan# 2222
Delta R.T. 0.006 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:252 Resp: 79305
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 9.1 7.0 10.6





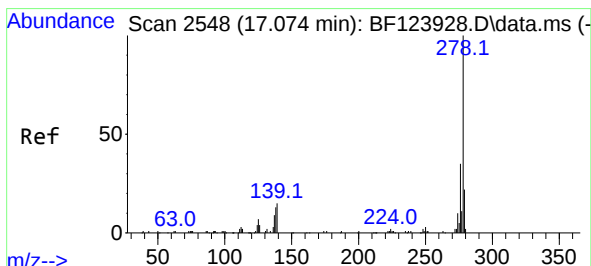
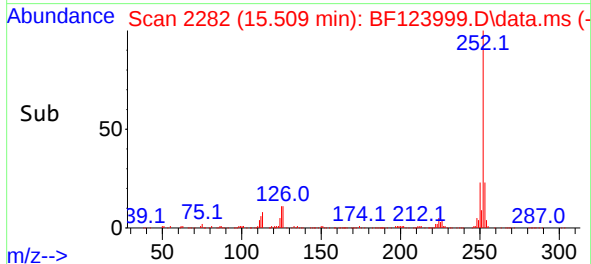
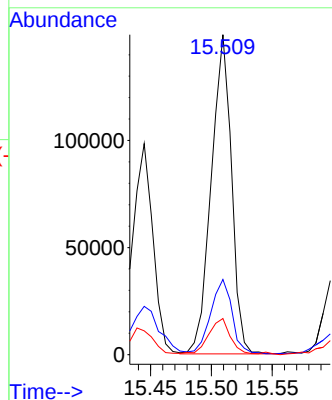
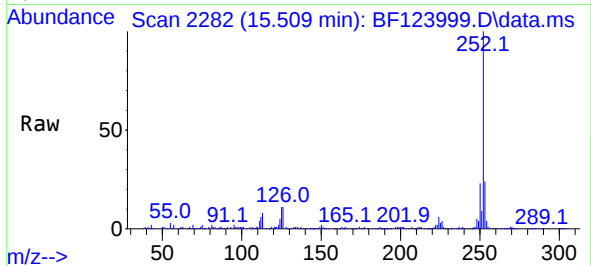
#90
Benzo(a)pyrene
Concen: 32.71 ng
RT: 15.509 min Scan# 2282
Delta R.T. 0.018 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:252 Resp: 172837
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 11.3 8.0 12.0

Instrument :
BNA_F
ClientSampled :
TP-3

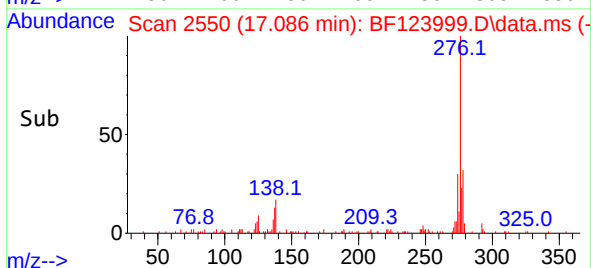
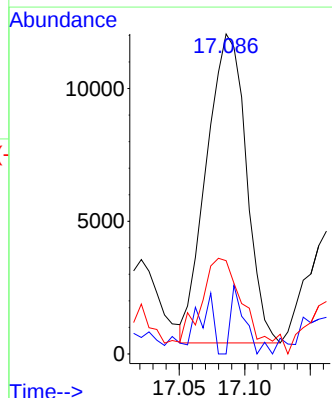
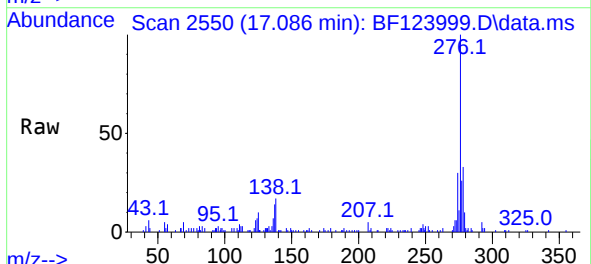
Manual Integrations
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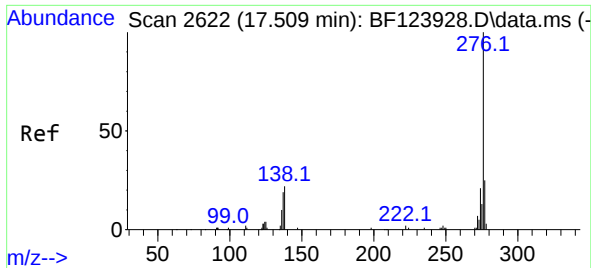
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 4.79 ng
RT: 17.086 min Scan# 2550
Delta R.T. 0.012 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:278 Resp: 24592
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 29.2 19.4 29.0#





#92
Benzo(g,h,i)perylene
Concen: 17.88 ng
RT: 17.533 min Scan# 2626
Delta R.T. 0.023 min
Lab File: BF123999.D
Acq: 19 May 2021 20:03

Tgt Ion:	276	Resp:	92162
Ion Ratio	Lower	Upper	
276	100		
277	26.3	18.2	27.2
138	22.1	13.8	20.6#

Instrument :
BNA_F
ClientSampled :
TP-3

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