

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042421\
 Data File : BF123730.D
 Acq On : 24 Apr 2021 22:01
 Operator : JU/CG
 Sample : M2020-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 105-SB-2(S)

Manual Integrations
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mohammad
 4/26/2021 11:38:44 AM

Quant Time: Apr 26 06:10:27 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 26 05:40:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	198027	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	582168	20.00	ng	# 0.01
39) Acenaphthene-d10	9.886	164	341112	20.00	ng	0.02
64) Phenanthrene-d10	11.369	188	530705	20.00	ng	# 0.02
76) Chrysene-d12	13.992	240	448099	20.00	ng	# 0.00
86) Perylene-d12	15.457	264	481976	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1091508	89.09	ng	0.00
7) Phenol-d6	6.457	99	1444063	85.05	ng	0.00
23) Nitrobenzene-d5	7.392	82	1137659	89.84	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	305342	79.05	ng	0.02
45) 2-Fluorobiphenyl	9.198	172	1327769	58.03	ng	0.01
79) Terphenyl-d14	12.945	244	1218155	52.84	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.469	94	45269	2.51	ng	94
31) Naphthalene	8.145	128	3427067	114.28	ng	# 91
37) 2-Methylnaphthalene	8.857	142	5454307	277.38	ng	99
38) 1-Methylnaphthalene	8.951	142	3195687	171.77	ng	98
46) 1,1'-Biphenyl	9.298	154	66821	2.50	ng	89
49) Acenaphthylene	9.751	152	144782	4.41	ng	# 1
50) Dimethylphthalate	9.592	163	62981	2.67	ng	# 68
52) Acenaphthene	9.916	154	267326	12.68	ng	# 71
55) Dibenzofuran	10.092	168	305535	10.10	ng	# 1
58) Fluorene	10.433	166	759719	31.95	ng	# 92
71) Phenanthrene	11.398	178	1793284	64.75	ng	97
72) Anthracene	11.445	178	97798m	3.53	ng	
73) Carbazole	11.592	167	87188	3.16	ng	# 19
75) Fluoranthene	12.580	202	653480	21.47	ng	98
78) Pyrene	12.804	202	825364	25.24	ng	100
81) Benzo(a)anthracene	13.986	228	254935	9.28	ng	# 93
83) Chrysene	14.021	228	243993	8.85	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.898	276	137268	5.34	ng	98
88) Benzo(b)fluoranthene	15.027	252	275486m	8.10	ng	
90) Benzo(a)pyrene	15.392	252	203294	7.51	ng	97
92) Benzo(g,h,i)perylene	17.339	276	126350	6.96	ng	# 96

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

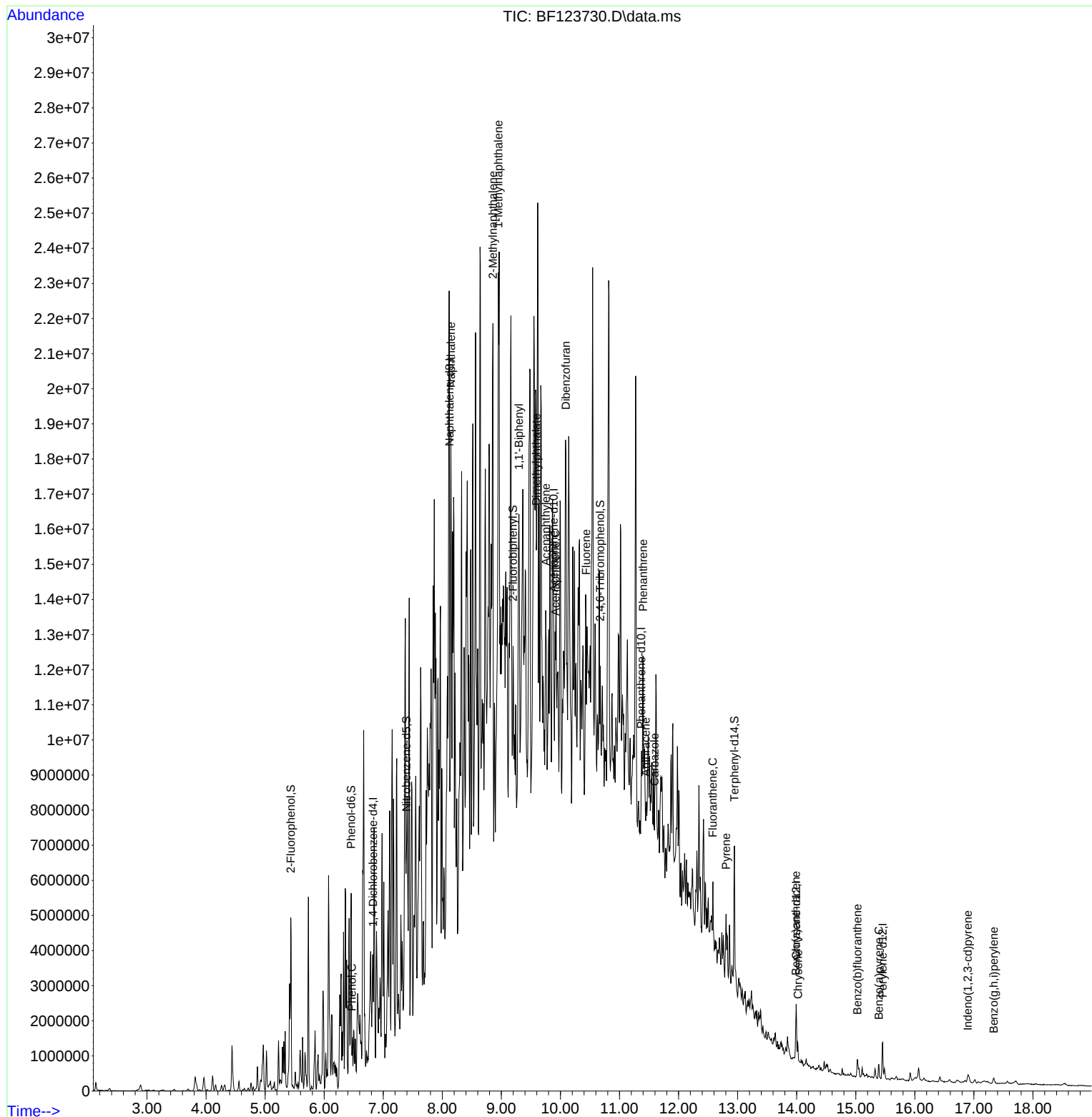
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042421\
Data File : BF123730.D
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Misc :
ALS Vial : 21 Sample Multiplier: 1

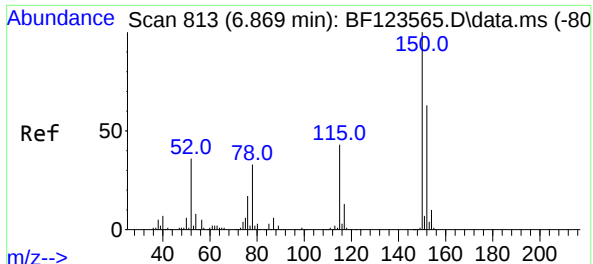
Instrument :
BNA_F
ClientSampled :
105-SB-2(S)

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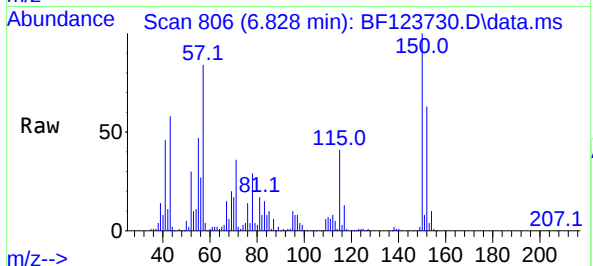
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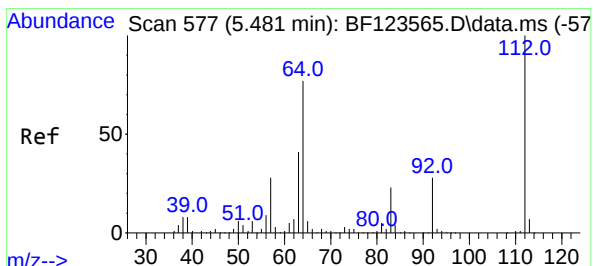
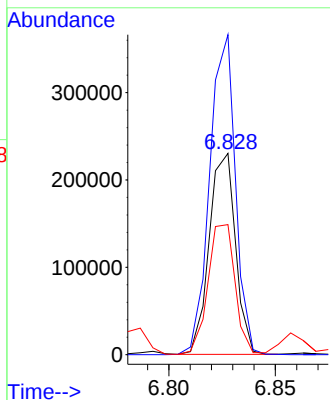
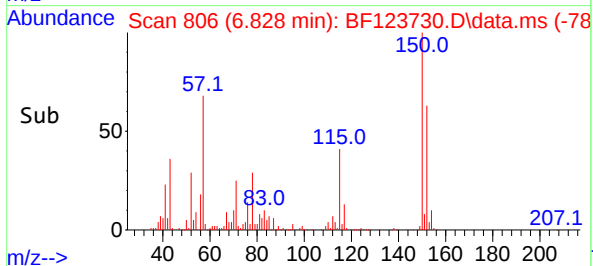




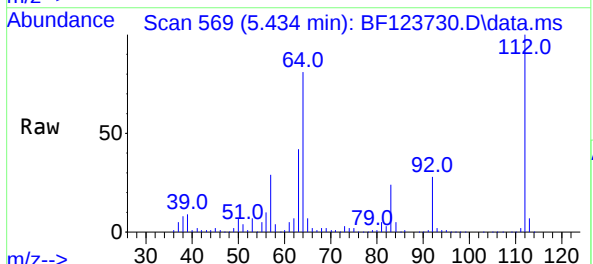
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.828 min Scan# 806
Delta R.T. 0.006 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01



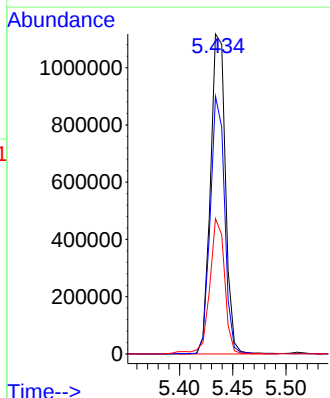
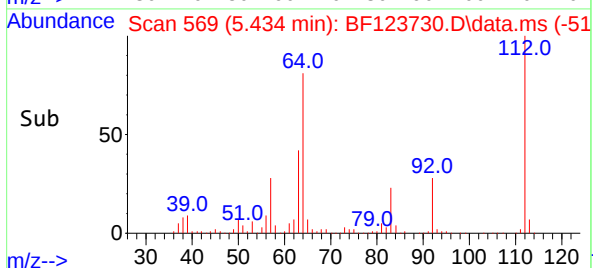
Tgt Ion:152 Resp: 198027
Ion Ratio Lower Upper
152 100
150 159.0 127.0 190.6
115 64.6 54.3 81.5



#5
2-Fluorophenol
Concen: 89.09 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01



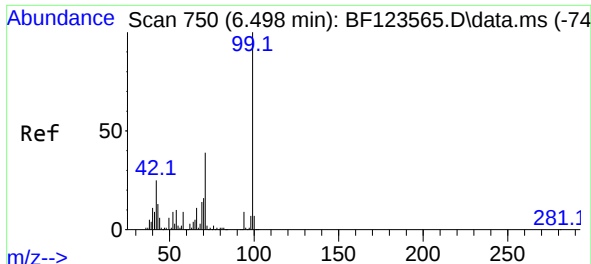
Tgt Ion:112 Resp: 1091508
Ion Ratio Lower Upper
112 100
64 80.5 61.4 92.0
63 42.3 33.0 49.4



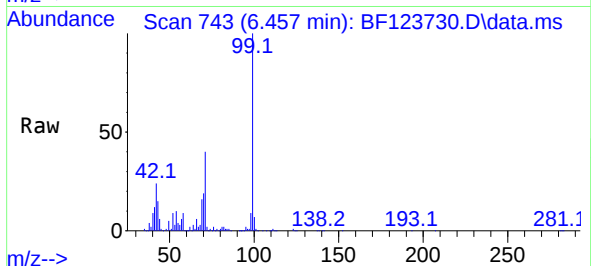
Instrument :
BNA_F
ClientSampleId :
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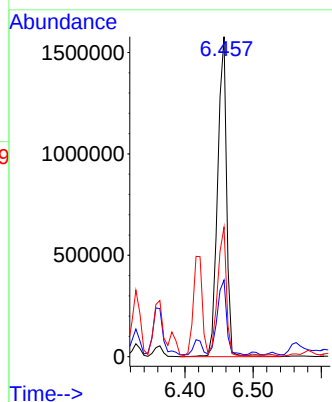


#7
Phenol-d6
Concen: 85.05 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01



Tgt Ion: 99 Resp: 1444063

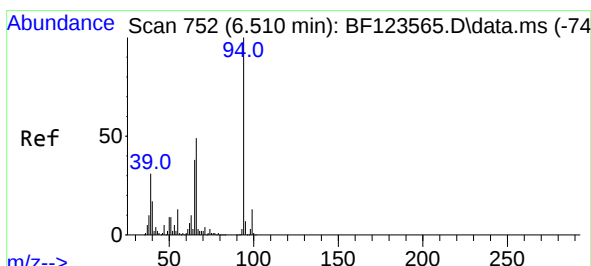
Ion	Ratio	Lower	Upper
99	100		
42	24.0	19.8	29.8
71	40.5	31.1	46.7



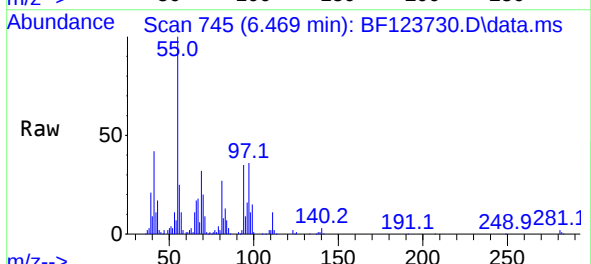
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ClientSampleId :
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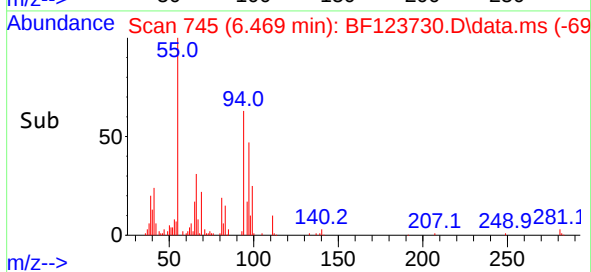
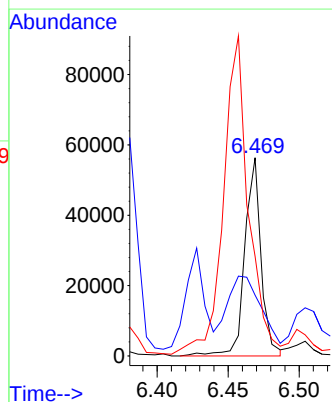


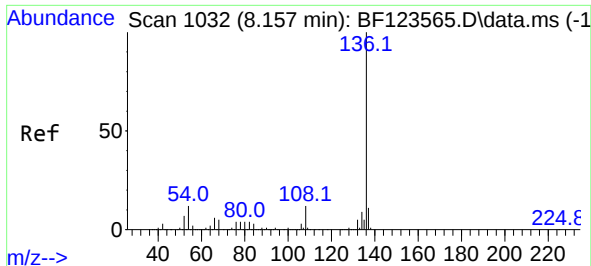
#10
Phenol
Concen: 2.51 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01



Tgt Ion: 94 Resp: 45269

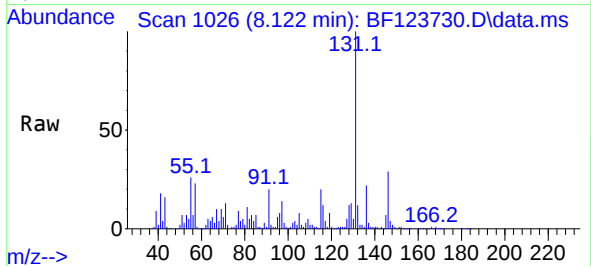
Ion	Ratio	Lower	Upper
94	100		
65	30.7	18.1	58.1
66	50.3	29.0	69.0





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.012 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

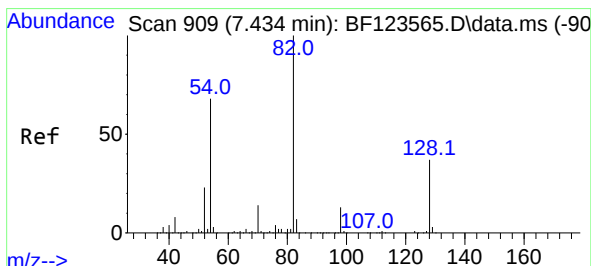
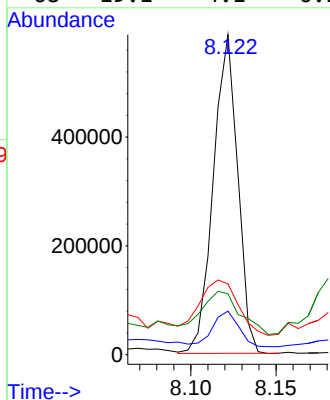
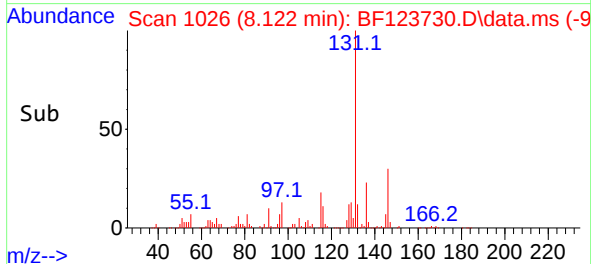
Instrument :
BNA_F
ClientSampled :
105-SB-2(S)



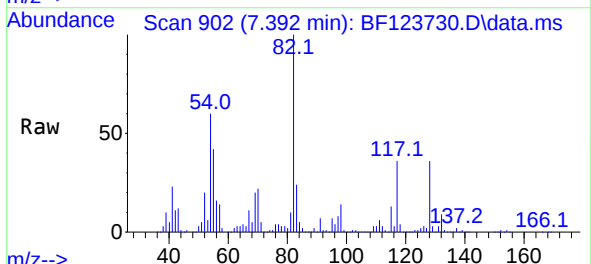
Tgt Ion:136 Resp: 582168
Ion Ratio Lower Upper
136 100
137 13.6 8.7 13.1#
54 22.1 9.8 14.6#
68 19.1 4.1 6.1#

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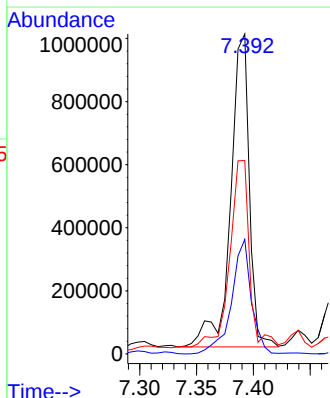
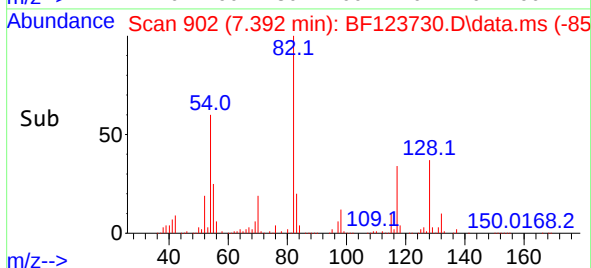
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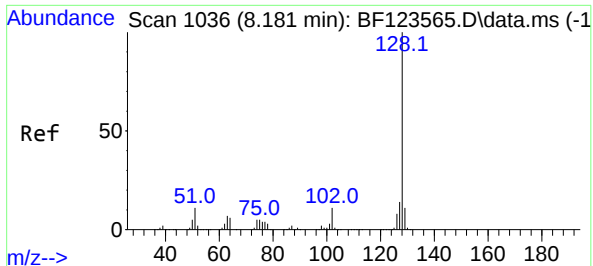


#23
Nitrobenzene-d5
Concen: 89.84 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01



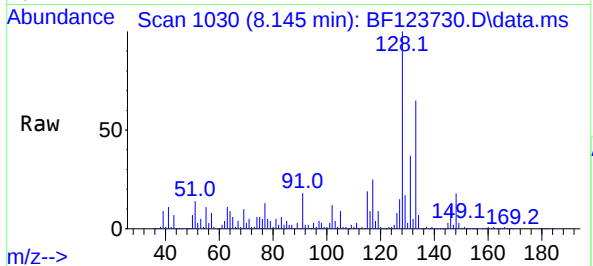
Tgt Ion: 82 Resp: 1137659
Ion Ratio Lower Upper
82 100
128 35.8 29.4 44.2
54 60.4 54.1 81.1





#31
Naphthalene
Concen: 114.28 ng
RT: 8.145 min Scan# 1030
Delta R.T. 0.012 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

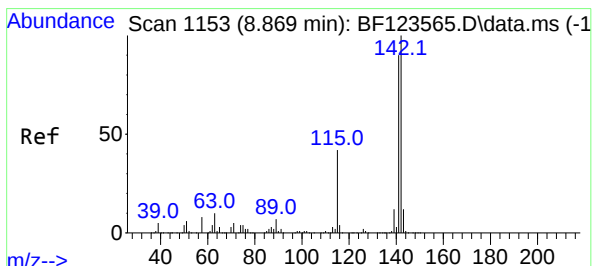
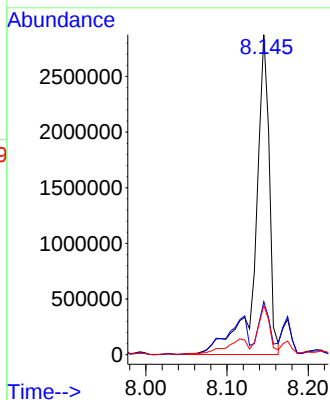
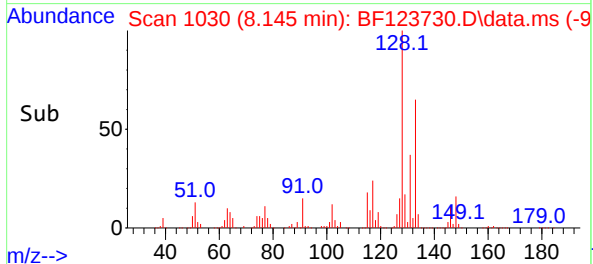
Instrument :
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ClientSampleId :
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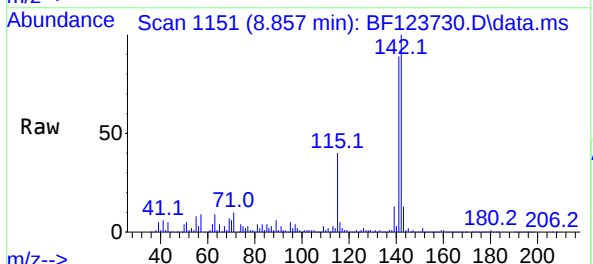
Tgt Ion:128 Resp: 3427067
Ion Ratio Lower Upper
128 100
129 16.6 8.9 13.3#
127 15.4 10.8 16.2

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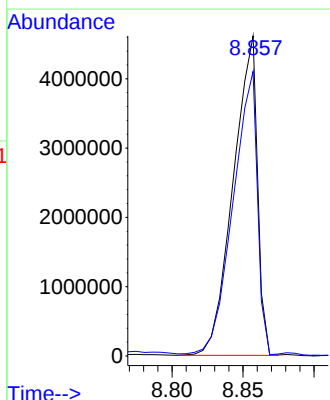
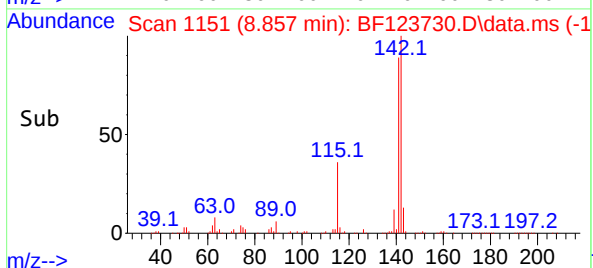
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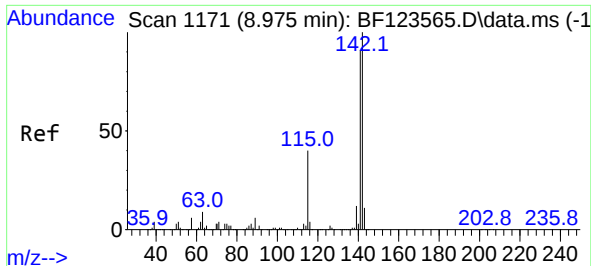


#37
2-Methylnaphthalene
Concen: 277.38 ng
RT: 8.857 min Scan# 1151
Delta R.T. 0.035 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01



Tgt Ion:142 Resp: 5454307
Ion Ratio Lower Upper
142 100
141 88.9 71.8 107.6





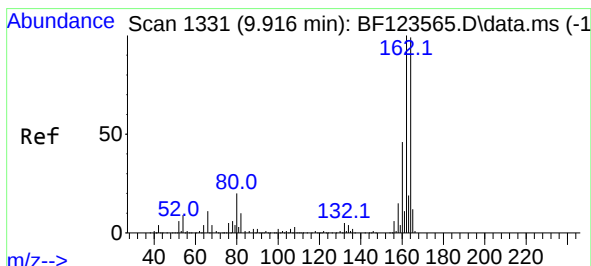
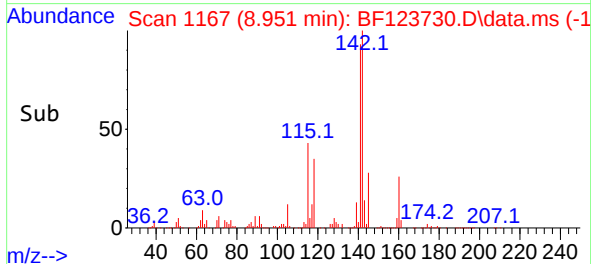
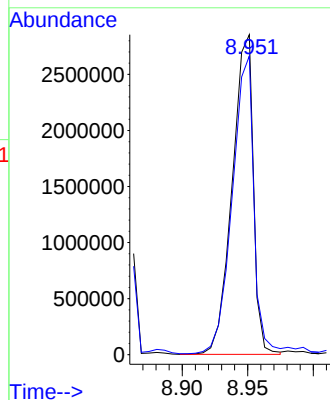
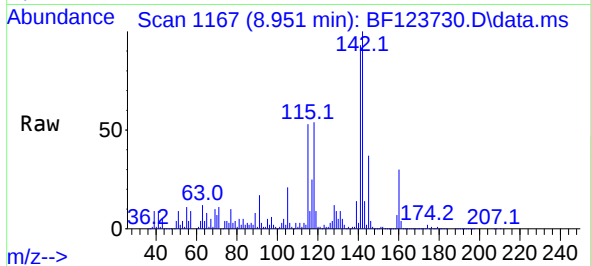
#38
1-Methylnaphthalene
Concen: 171.77 ng
RT: 8.951 min Scan# 1167
Delta R.T. 0.030 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

Instrument :
BNA_F
ClientSampleId :
105-SB-2(S)

Tgt Ion:142 Resp: 3195687
Ion Ratio Lower Upper
142 100
141 93.4 72.8 109.2

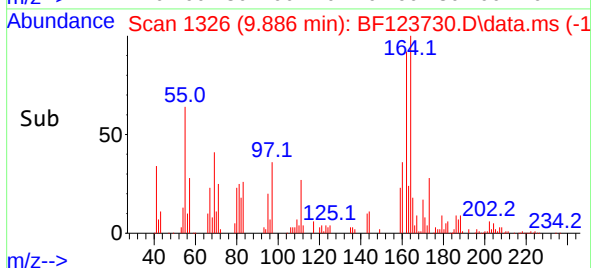
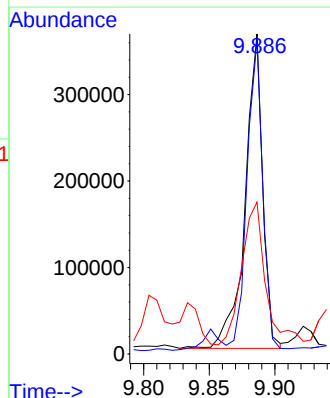
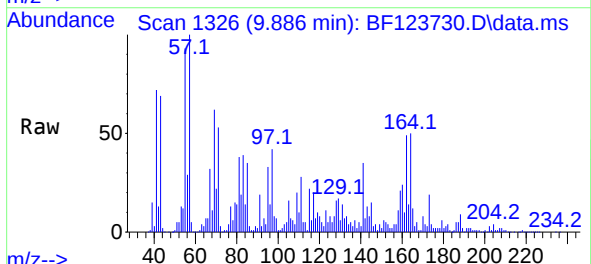
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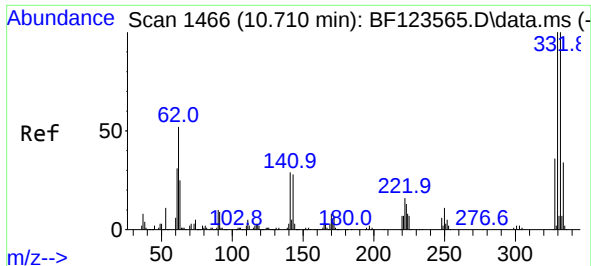
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.024 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

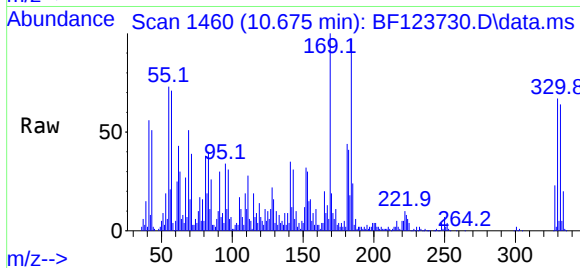
Tgt Ion:164 Resp: 341112
Ion Ratio Lower Upper
164 100
162 98.0 80.7 121.1
160 47.4 37.3 55.9





#42
2,4,6-Tribromophenol
Concen: 79.05 ng
RT: 10.675 min Scan# 1460
Delta R.T. 0.024 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

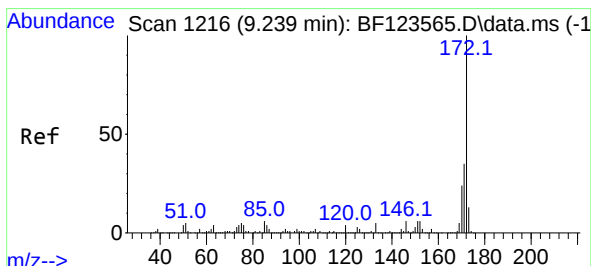
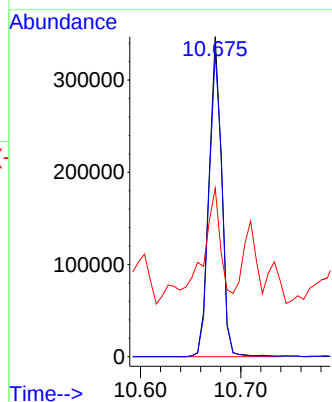
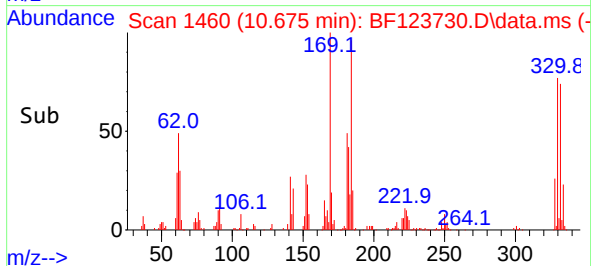
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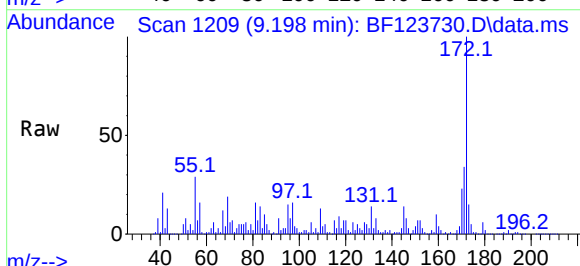
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Ion Ratio Lower Upper
330 100
332 97.8 77.1 115.7
141 37.8 27.9 41.9

Manual Integrations
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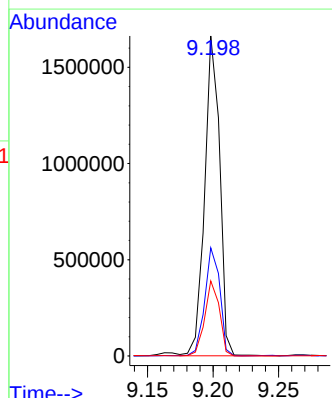
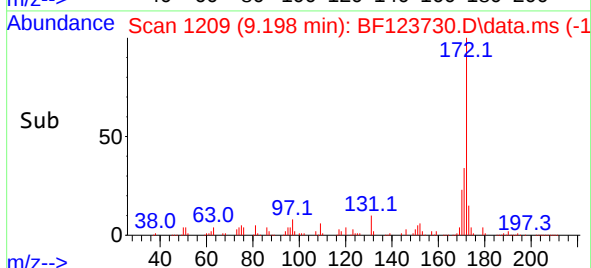
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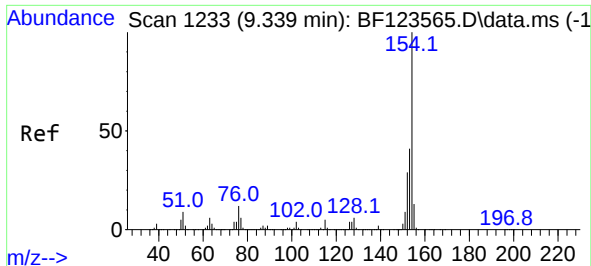


#45
2-Fluorobiphenyl
Concen: 58.03 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.012 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01



Tgt Ion:172 Resp: 1327769
Ion Ratio Lower Upper
172 100
171 33.8 28.1 42.1
170 23.5 19.2 28.8





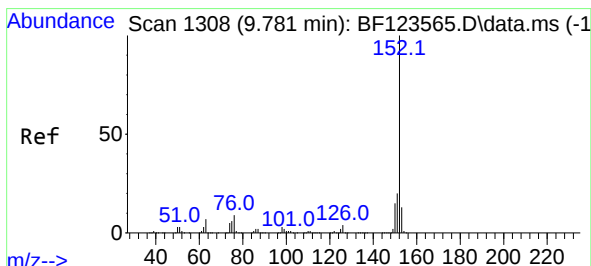
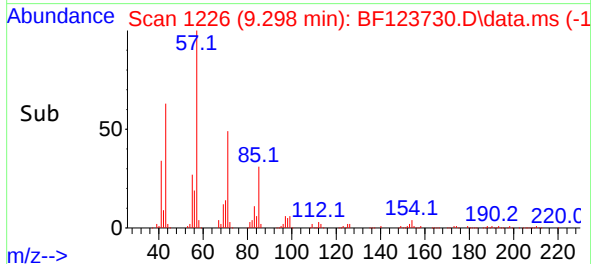
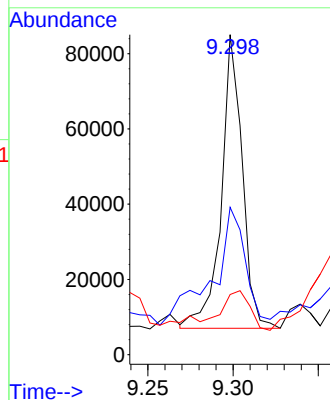
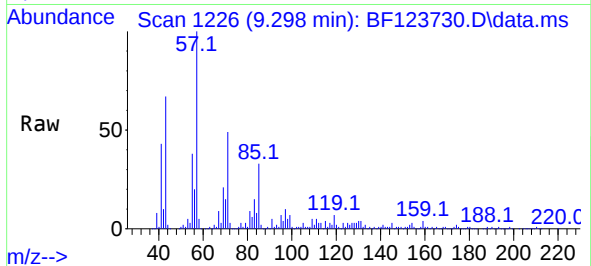
#46
1,1'-Biphenyl
Concen: 2.50 ng
RT: 9.298 min Scan# 1226
Delta R.T. 0.012 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

Tgt Ion:154 Resp: 66821
Ion Ratio Lower Upper
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153 46.1 20.7 60.7
76 18.8 0.0 31.7

Instrument :
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ClientSampleId :
105-SB-2(S)

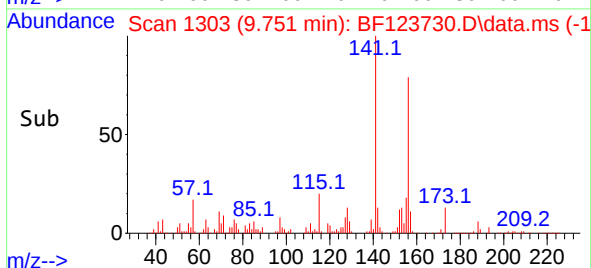
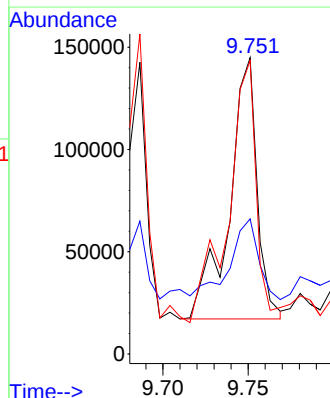
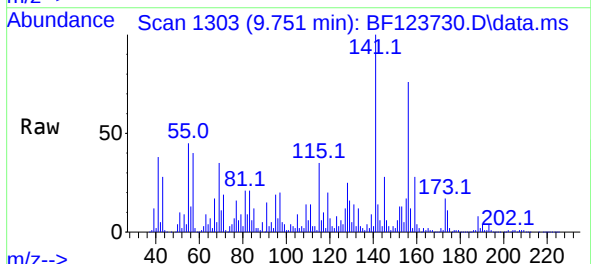
Manual Integrations
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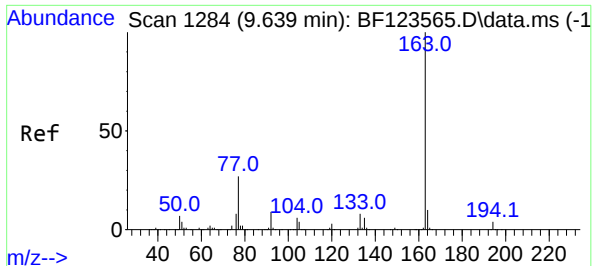
mohammad
4/26/2021 11:38:44 AM



#49
Acenaphthylene
Concen: 4.41 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.024 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

Tgt Ion:152 Resp: 144782
Ion Ratio Lower Upper
152 100
151 45.6 16.0 24.0#
153 99.0 10.4 15.6#





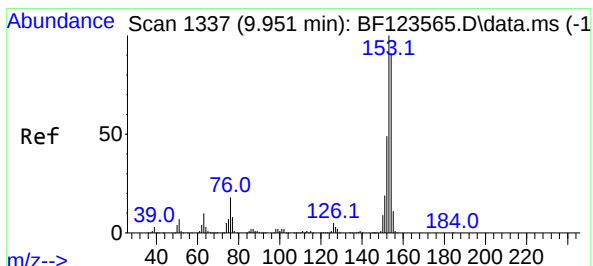
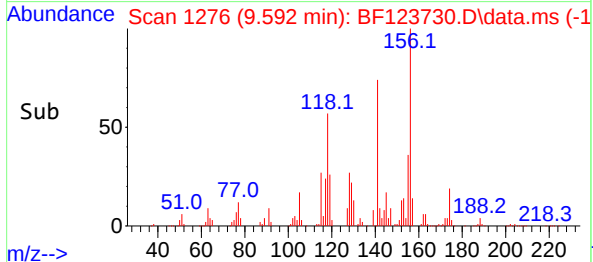
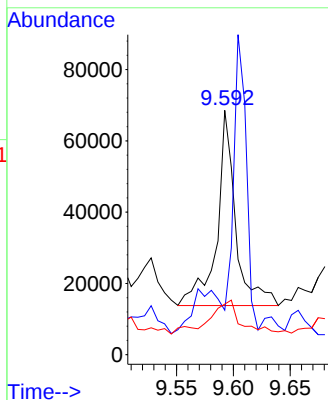
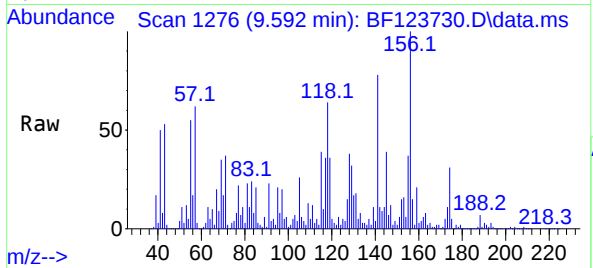
#50
Dimethylphthalate
Concen: 2.67 ng
RT: 9.592 min Scan# 1276
Delta R.T. 0.006 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

Tgt Ion:163 Resp: 62981
Ion Ratio Lower Upper
163 100
194 18.2 3.1 4.7#
164 20.7 8.2 12.2#

Instrument :
BNA_F
ClientSampleId :
105-SB-2(S)

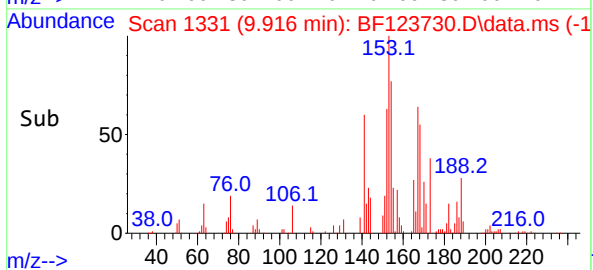
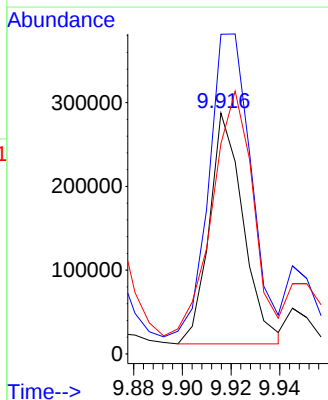
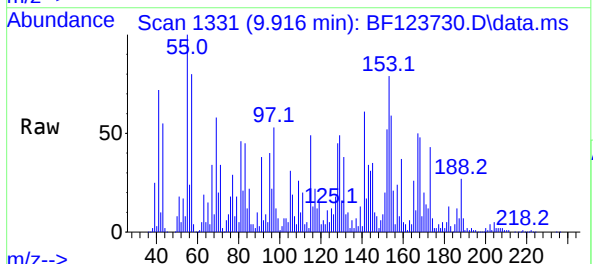
Manual Integrations
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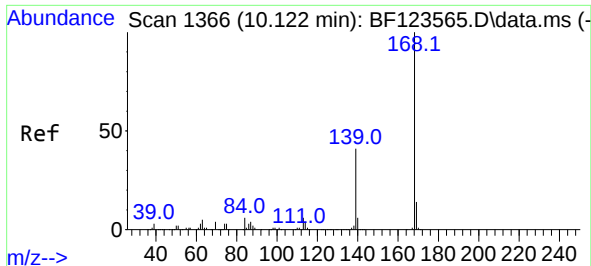
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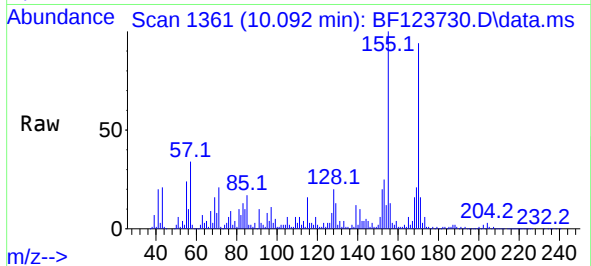
#52
Acenaphthene
Concen: 12.68 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.018 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

Tgt Ion:154 Resp: 267326
Ion Ratio Lower Upper
154 100
153 132.6 88.1 132.1#
152 87.2 43.4 65.0#

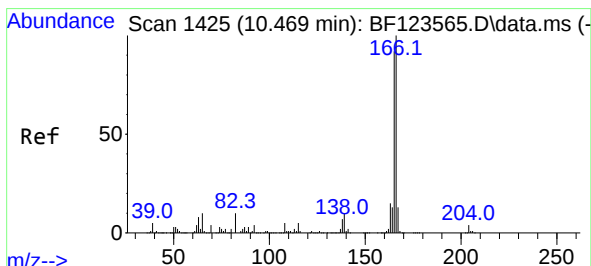
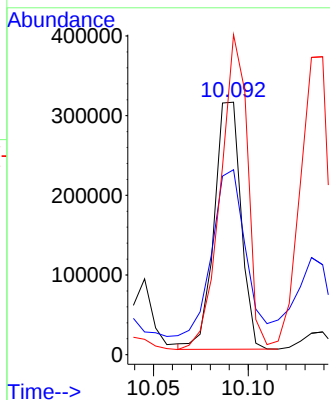
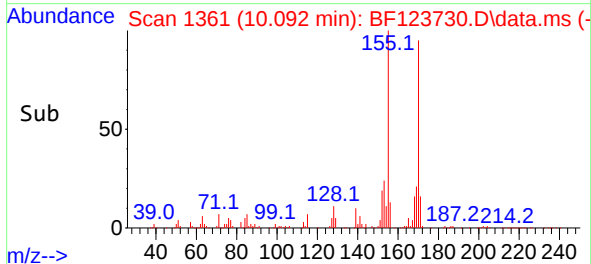




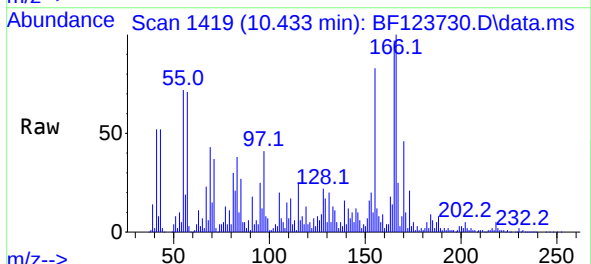
#55
Dibenzenofuran
Concen: 10.10 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.024 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01



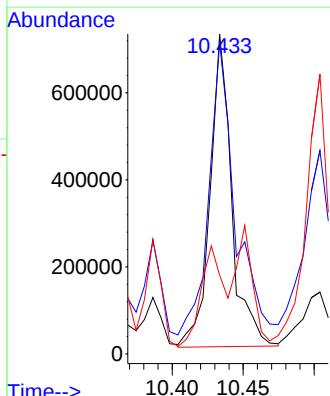
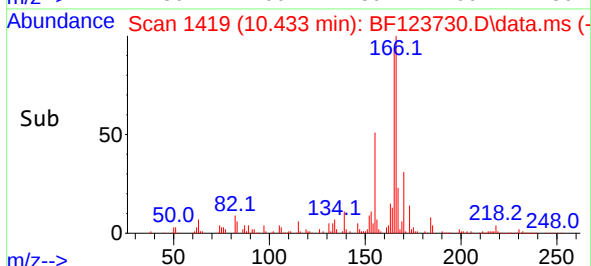
Tgt Ion:168 Resp: 305535
Ion Ratio Lower Upper
168 100
139 73.2 33.2 49.8#
169 126.7 10.8 16.2#



#58
Fluorene
Concen: 31.95 ng
RT: 10.433 min Scan# 1419
Delta R.T. 0.024 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01



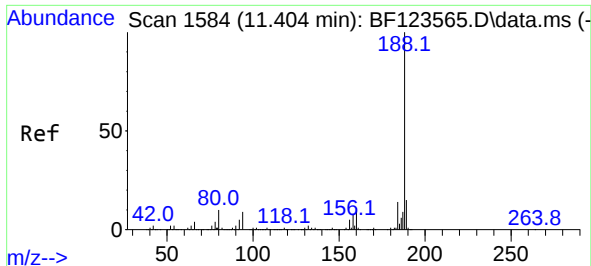
Tgt Ion:166 Resp: 759719
Ion Ratio Lower Upper
166 100
165 97.3 73.5 110.3
167 24.6 10.7 16.1#



Instrument :
BNA_F
ClientSampleId :
105-SB-2(S)

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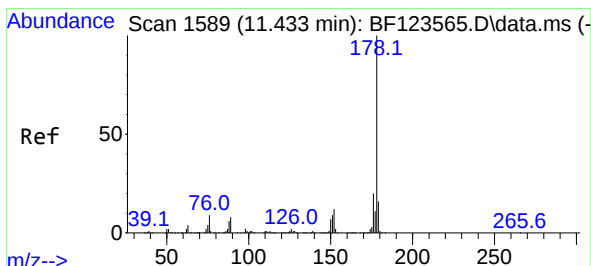
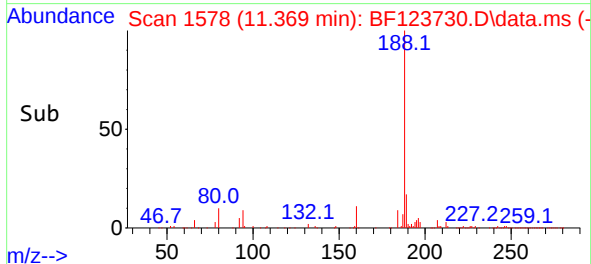
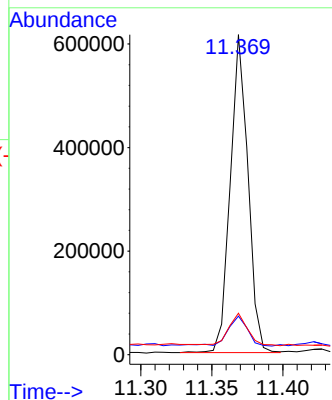
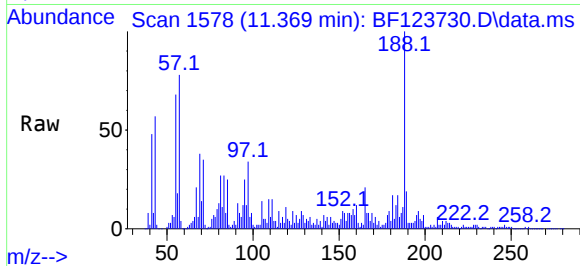
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.018 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

Tgt Ion:188 Resp: 530705
Ion Ratio Lower Upper
188 100
94 12.0 6.9 10.3#
80 12.9 8.2 12.2#

Instrument :
BNA_F
ClientSampleId :
105-SB-2(S)

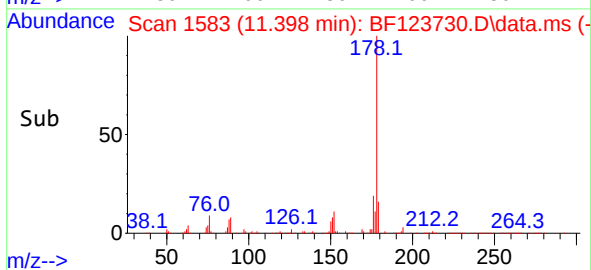
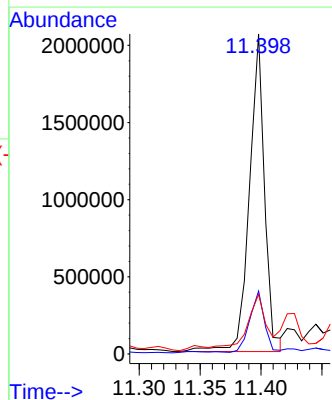
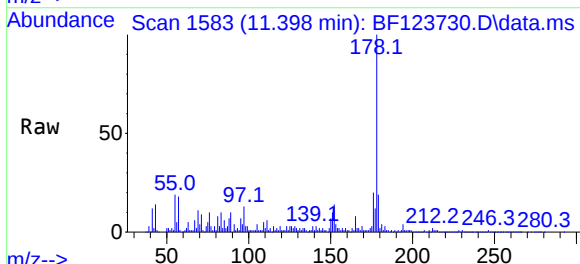
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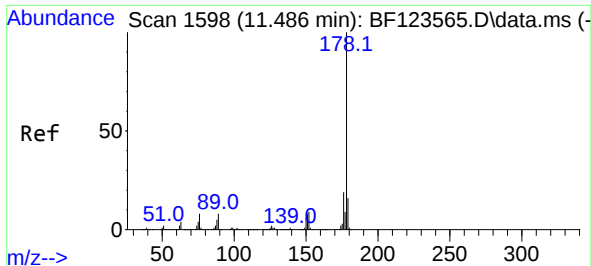
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#71
Phenanthrene
Concen: 64.75 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.024 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

Tgt Ion:178 Resp: 1793284
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 18.6 12.5 18.7





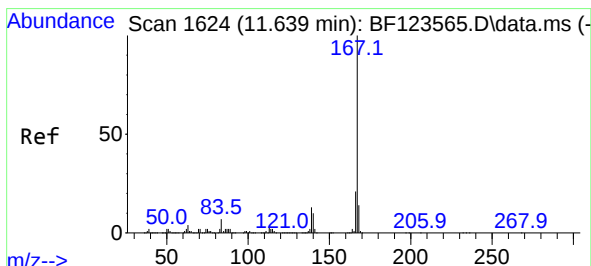
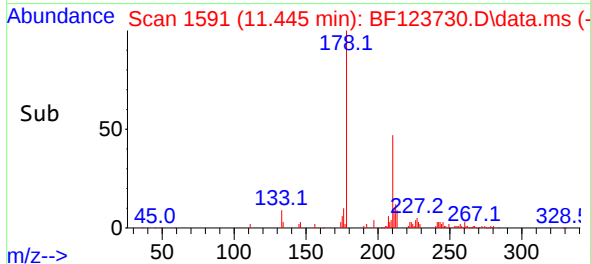
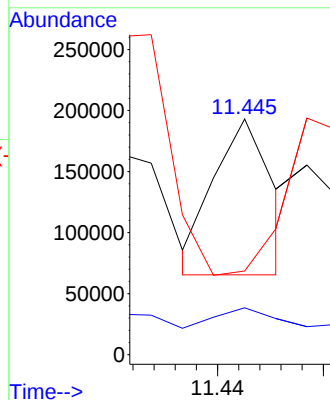
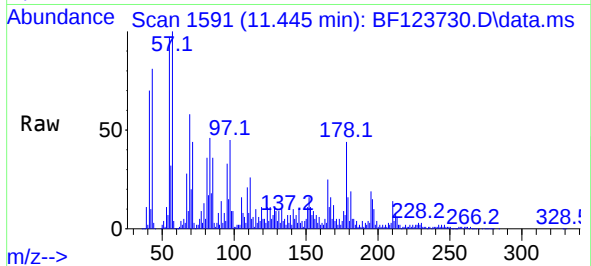
#72
 Anthracene
 Concen: 3.53 ng m
 RT: 11.445 min Scan# 1591
 Delta R.T. 0.018 min
 Lab File: BF123730.D
 Acq: 24 Apr 2021 22:01

Tgt Ion:178 Resp: 97798
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.4 23.0
 179 35.5 12.6 18.8#

Instrument :
 BNA_F
 ClientSampleId :
 105-SB-2(S)

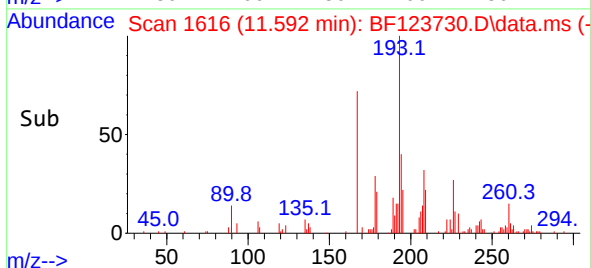
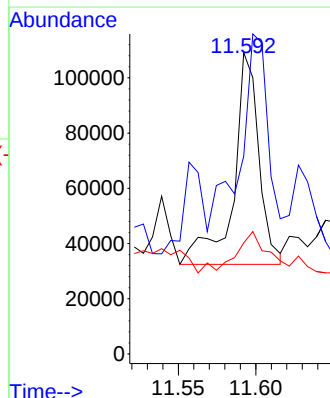
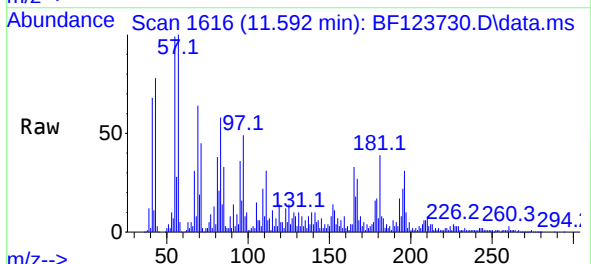
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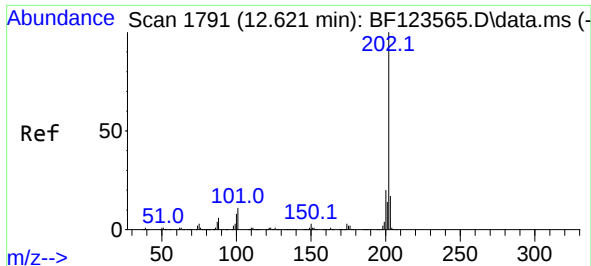
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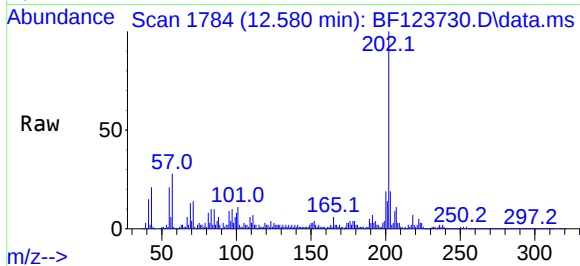
#73
 Carbazole
 Concen: 3.16 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. 0.012 min
 Lab File: BF123730.D
 Acq: 24 Apr 2021 22:01

Tgt Ion:167 Resp: 87188
 Ion Ratio Lower Upper
 167 100
 166 65.7 17.0 25.6#
 139 36.9 10.4 15.6#

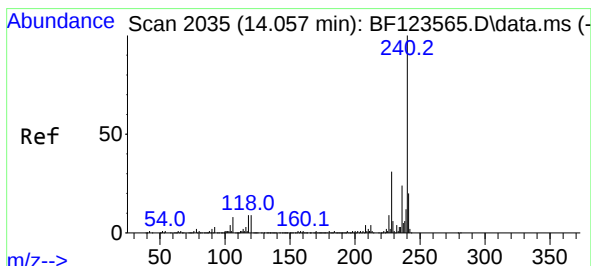
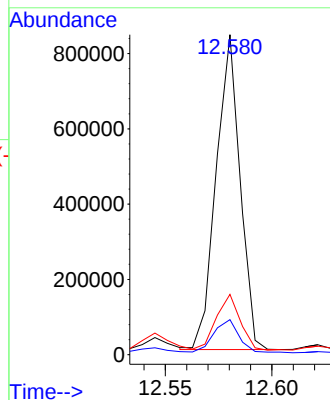
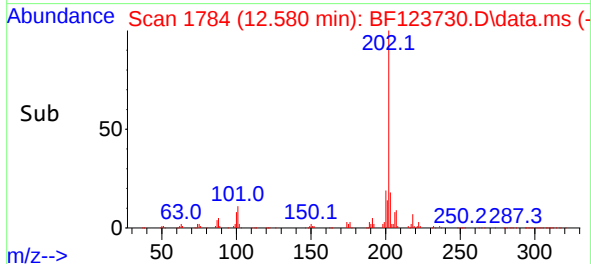




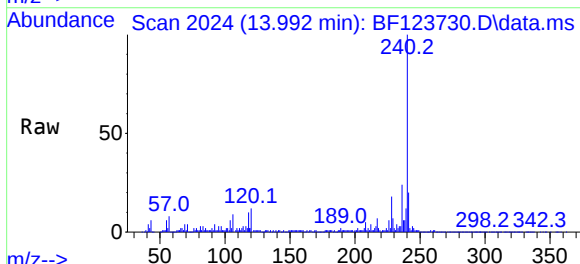
#75
Fluoranthene
Concen: 21.47 ng
RT: 12.580 min Scan# 1784
Delta R.T. 0.018 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01



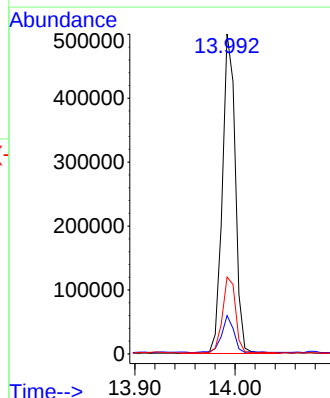
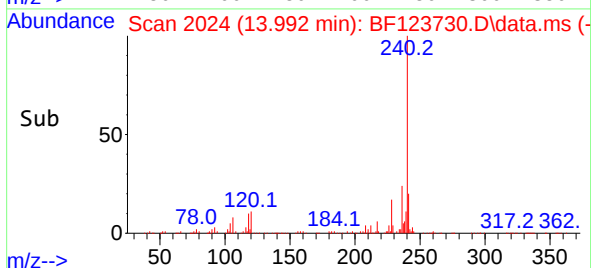
Tgt Ion:202 Resp: 653480
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.9
203 18.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01



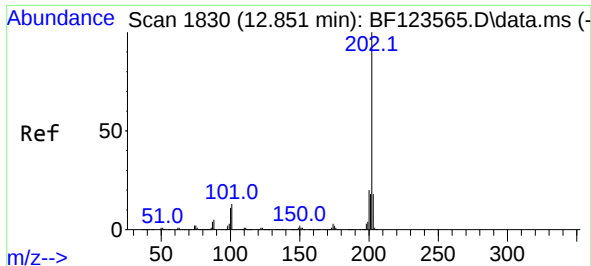
Tgt Ion:240 Resp: 448099
Ion Ratio Lower Upper
240 100
120 12.0 7.2 10.8#
236 24.1 19.0 28.4



Instrument :
BNA_F
ClientSampleId :
105-SB-2(S)

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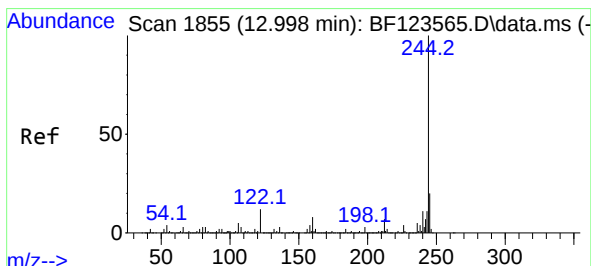
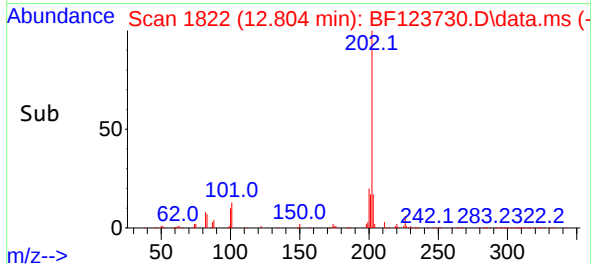
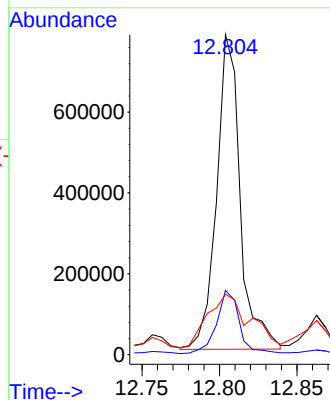
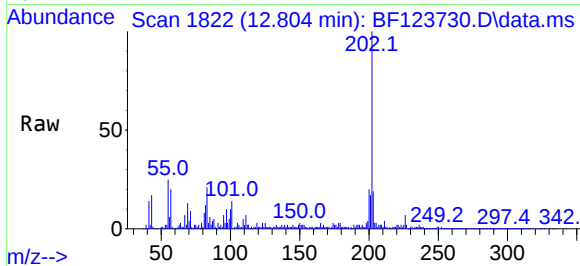
#78
Pyrene
Concen: 25.24 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.012 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

Tgt Ion:	202	Resp:	825364
Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	18.9	14.8	22.2

Instrument :
BNA_F
ClientSampleId :
105-SB-2(S)

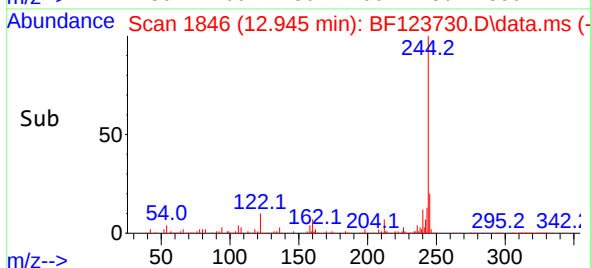
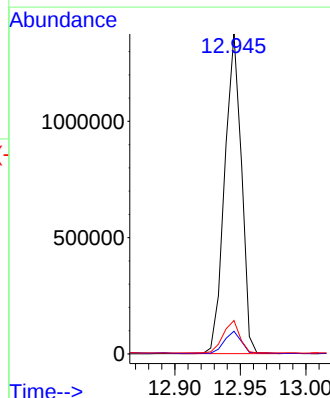
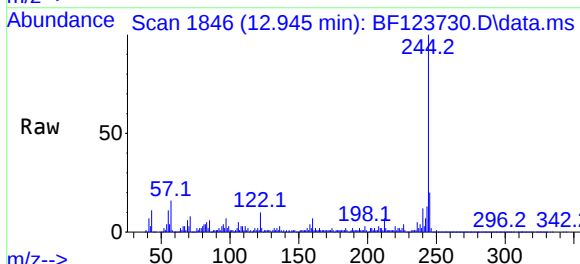
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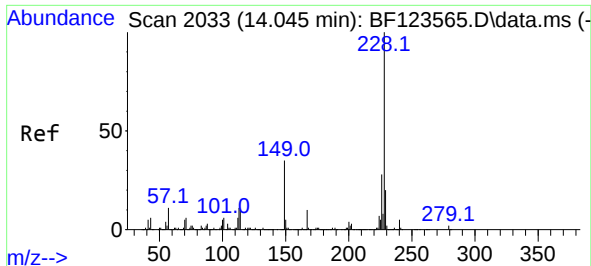
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#79
Terphenyl-d14
Concen: 52.84 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

Tgt Ion:	244	Resp:	1218155
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	10.4	9.7	14.5





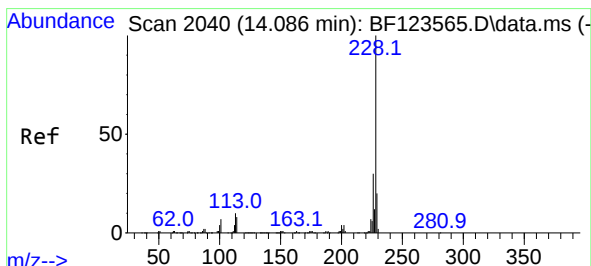
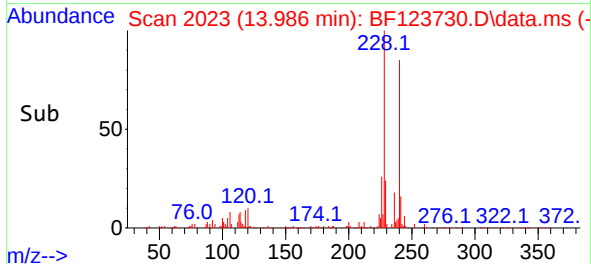
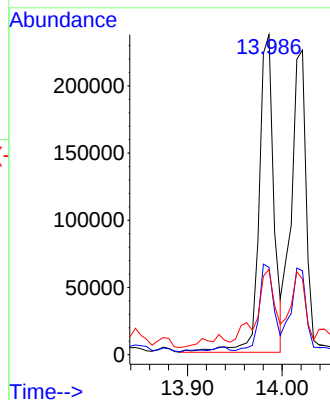
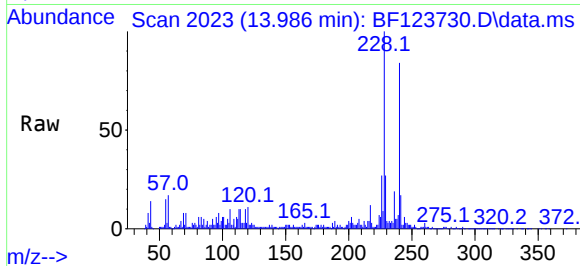
#81
Benzo(a)anthracene
Concen: 9.28 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

Tgt Ion:228 Resp: 254935
Ion Ratio Lower Upper
228 100
226 27.3 22.4 33.6
229 26.6 16.0 24.0#

Instrument :
BNA_F
ClientSampleId :
105-SB-2(S)

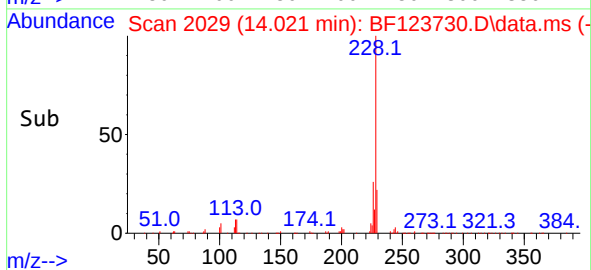
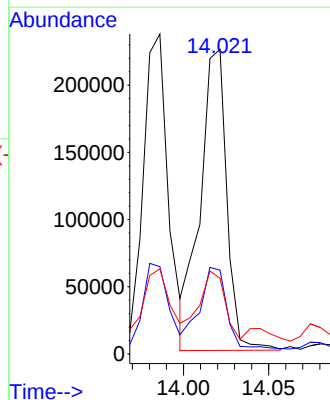
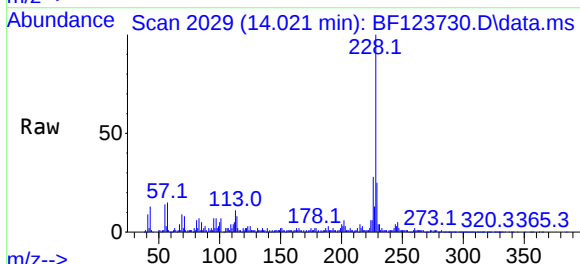
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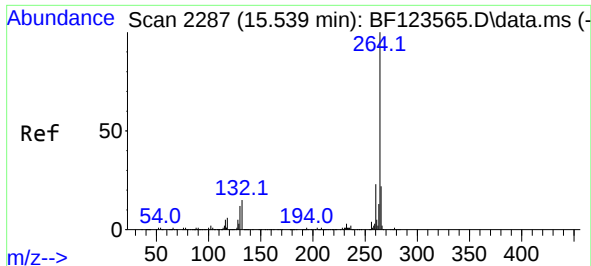
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#83
Chrysene
Concen: 8.85 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

Tgt Ion:228 Resp: 243993
Ion Ratio Lower Upper
228 100
226 27.5 24.3 36.5
229 24.8 16.2 24.2#





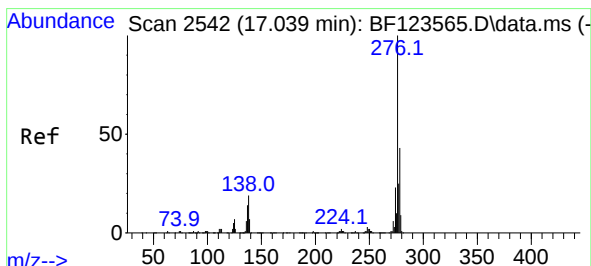
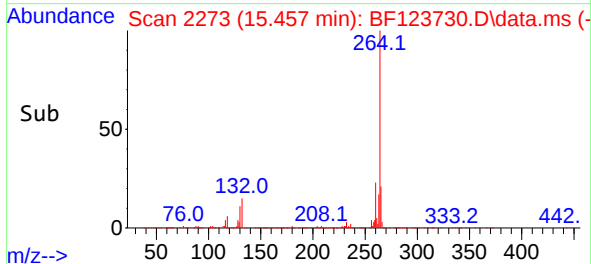
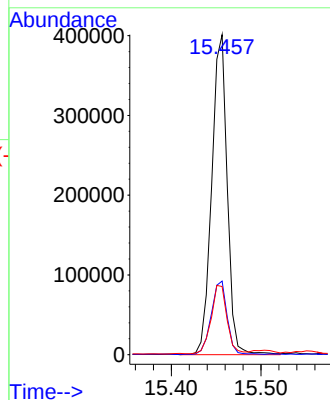
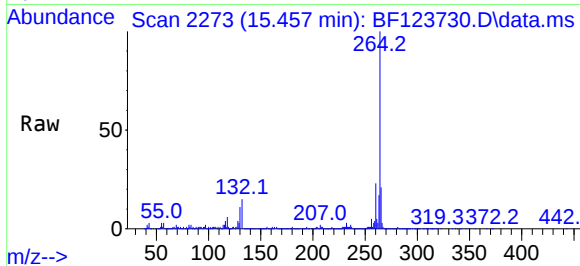
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

Tgt Ion:264 Resp: 481976
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 21.3 17.8 26.8

Instrument :
BNA_F
ClientSampled :
105-SB-2(S)

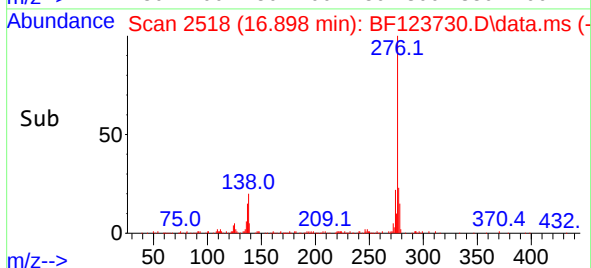
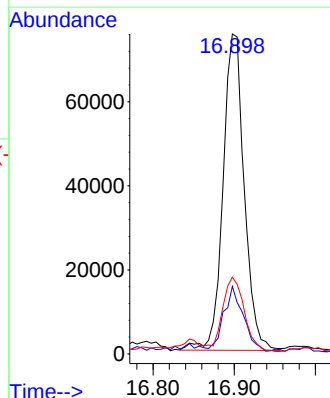
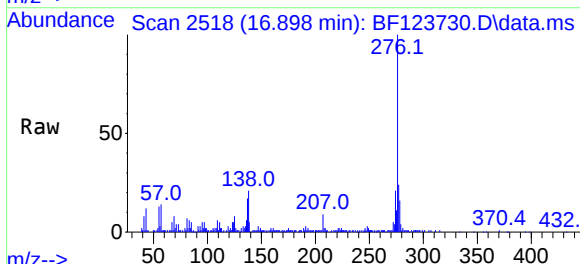
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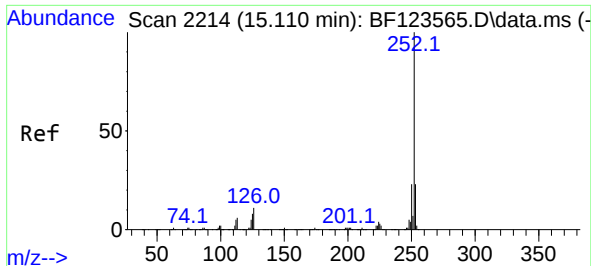
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#87
Indeno(1,2,3-cd)pyrene
Concen: 5.34 ng
RT: 16.898 min Scan# 2518
Delta R.T. -0.012 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

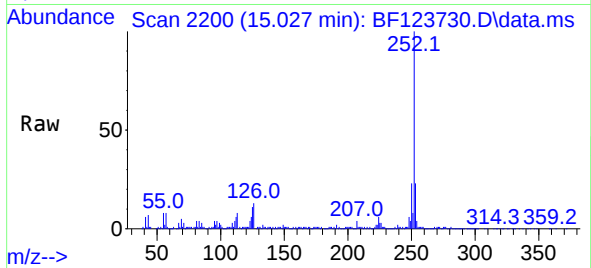
Tgt Ion:276 Resp: 137268
Ion Ratio Lower Upper
276 100
138 19.5 16.2 24.2
277 24.2 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 8.10 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.000 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

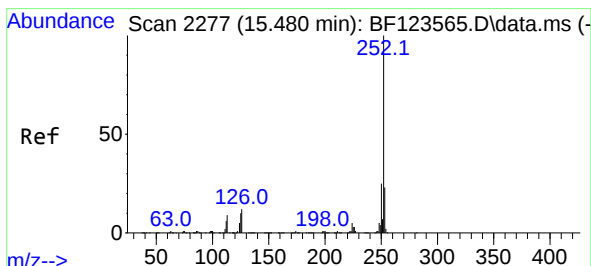
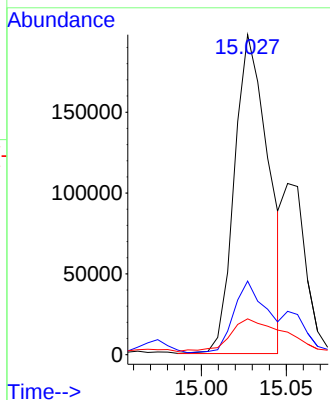
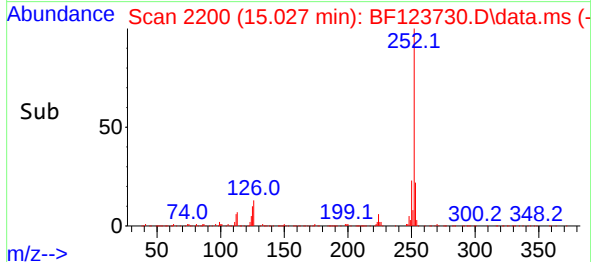
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BNA_F
ClientSampleId :
105-SB-2(S)



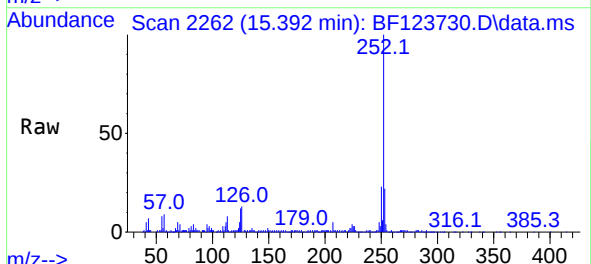
Tgt Ion:252 Resp: 275486
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 11.2 6.2 9.4#

Manual Integrations
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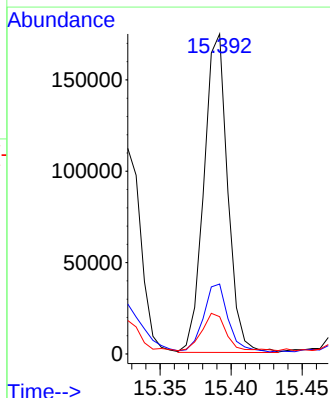
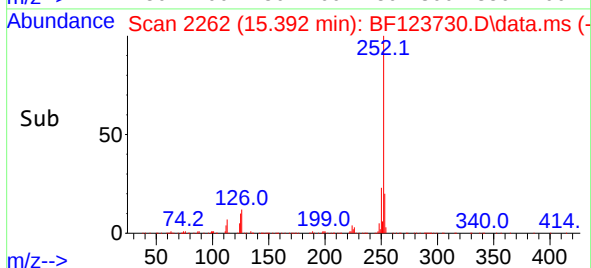
mohammad
4/26/2021 11:38:44 AM

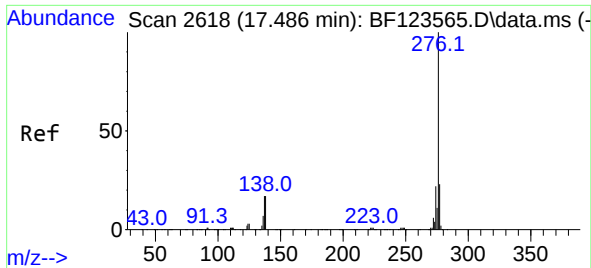


#90
Benzo(a)pyrene
Concen: 7.51 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BF123730.D
Acq: 24 Apr 2021 22:01

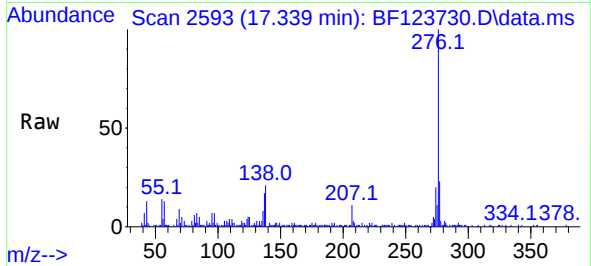


Tgt Ion:252 Resp: 203294
Ion Ratio Lower Upper
252 100
253 21.8 18.4 27.6
125 11.6 8.0 12.0

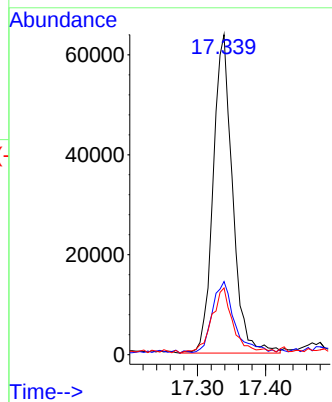
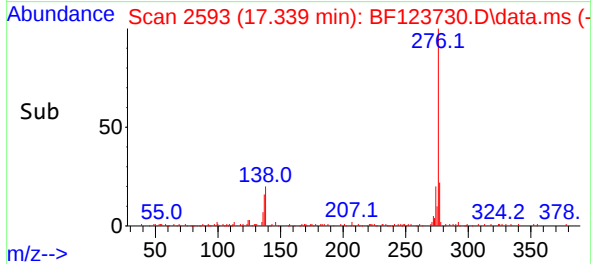




#92
 Benzo(g,h,i)perylene
 Concen: 6.96 ng
 RT: 17.339 min Scan# 2593
 Delta R.T. -0.006 min
 Lab File: BF123730.D
 Acq: 24 Apr 2021 22:01



Tgt Ion:	276	Resp:	126350
Ion Ratio	Lower	Upper	
276	100		
277	22.9	18.2	27.2
138	20.9	13.8	20.6#



Instrument :
 BNA_F
 ClientSampleId :
 105-SB-2(S)

Manual Integrations
 APPROVED

mohammad
 4/26/2021 11:38:44 AM