

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
 Data File : BF123949.D
 Acq On : 15 May 2021 17:20
 Operator : JU/CG
 Sample : M2392-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Quant Time: May 16 05:20:28 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)

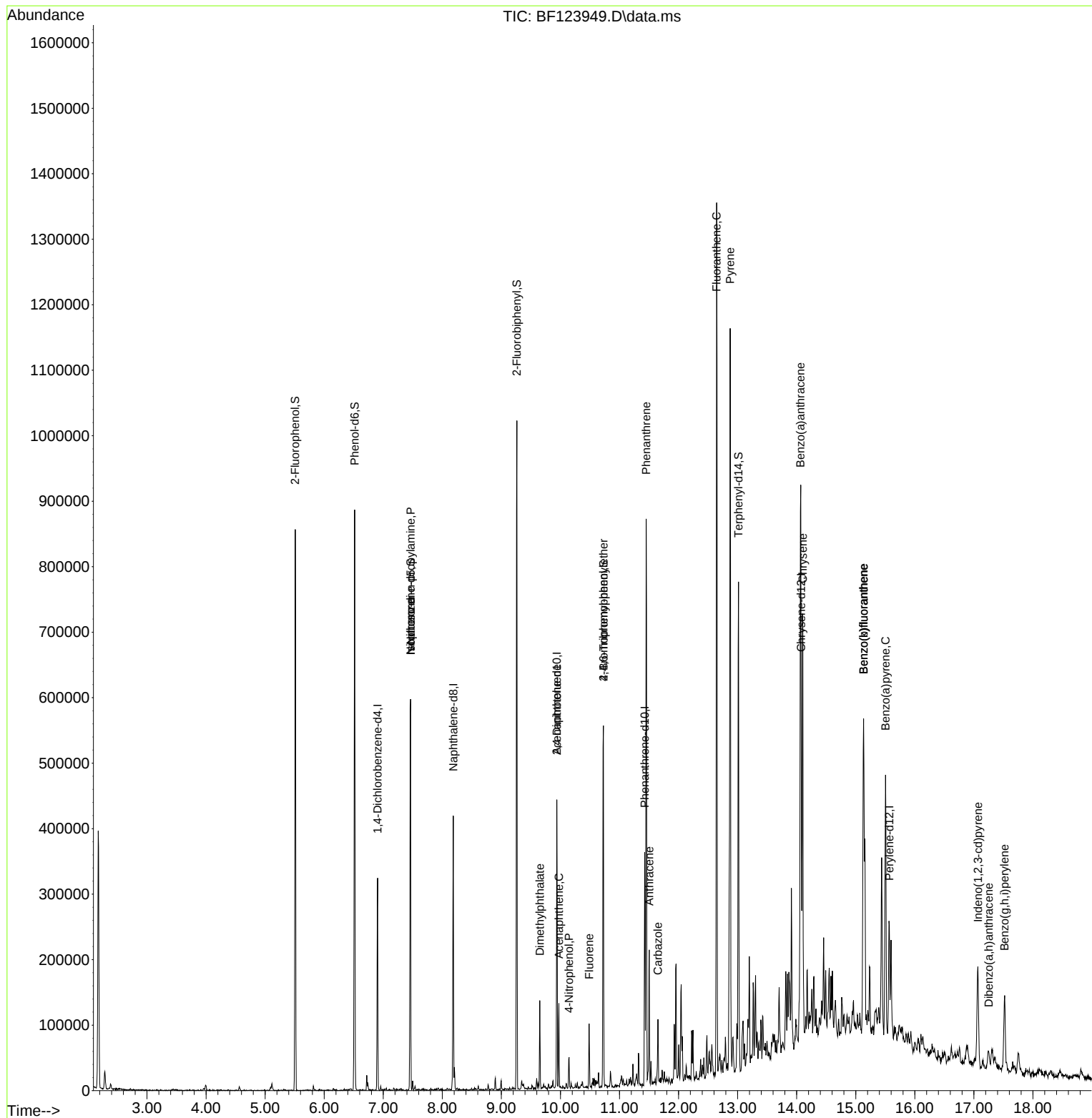
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	39031	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	143752	20.00	ng	0.00
39) Acenaphthene-d10	9.939	164	75507	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	111309	20.00	ng	0.00
76) Chrysene-d12	14.074	240	95245	20.00	ng	0.00
86) Perylene-d12	15.568	264	68426	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	176805	63.60	ng	0.00
7) Phenol-d6	6.516	99	225889	62.64	ng	0.00
23) Nitrobenzene-d5	7.463	82	172939	51.83	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	53195	58.66	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	269282	43.89	ng	0.00
79) Terphenyl-d14	13.015	244	205716	32.71	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	24781	10.17	ng	# 75
25) Isophorone	7.463	82	172934	26.94	ng	# 69
50) Dimethylphthalate	9.651	163	39363	6.53	ng	# 99
52) Acenaphthene	9.974	154	23184	4.34	ng	96
56) 4-Nitrophenol	10.145	139	6098	6.08	ng	# 1
57) 2,4-Dinitrotoluene	9.939	165	10045	6.72	ng	# 18
58) Fluorene	10.486	166	18126	3.13	ng	89
67) 4-Bromophenyl-phenylether	10.727	248	3311	2.26	ng	# 1
71) Phenanthrene	11.451	178	285511	40.47	ng	99
72) Anthracene	11.504	178	71858	10.05	ng	97
73) Carbazole	11.651	167	29977	4.79	ng	98
75) Fluoranthene	12.645	202	501630	68.67	ng	98
78) Pyrene	12.874	202	459880	54.39	ng	99
81) Benzo(a)anthracene	14.062	228	277710	40.32	ng	96
83) Chrysene	14.104	228	235750	35.58	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	90469	17.12	ng	97
88) Benzo(b)fluoranthene	15.133	252	369874	69.88	ng	# 95
89) Benzo(k)fluoranthene	15.133	252	369874	76.67	ng	# 96
90) Benzo(a)pyrene	15.503	252	187017	40.87	ng	99
91) Dibenzo(a,h)anthracene	17.250	278	18912	4.25	ng	96
92) Benzo(g,h,i)perylene	17.521	276	81845	18.34	ng	# 94

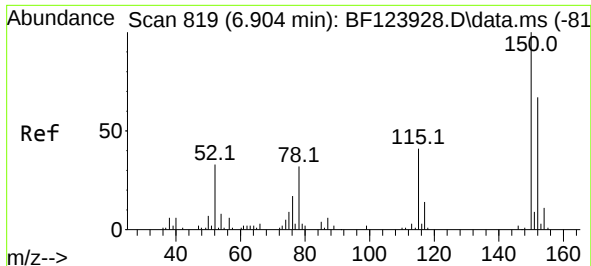
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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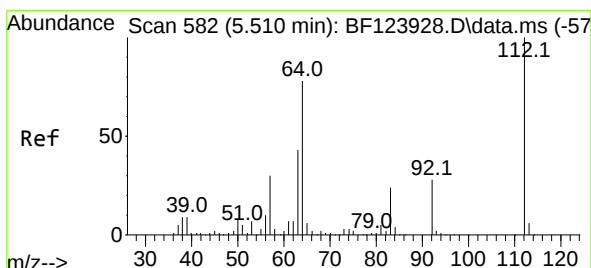
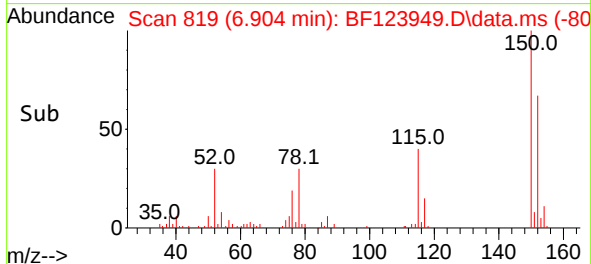
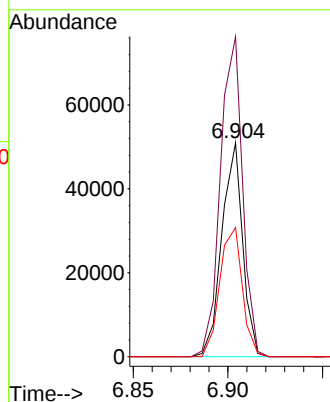
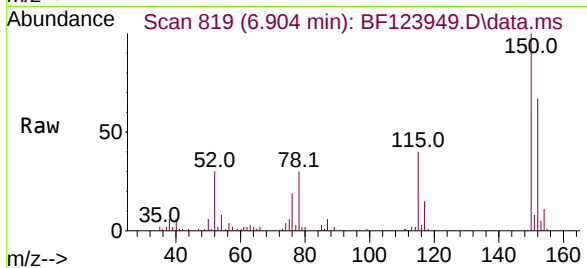




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

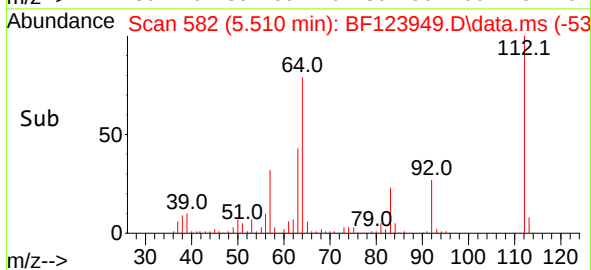
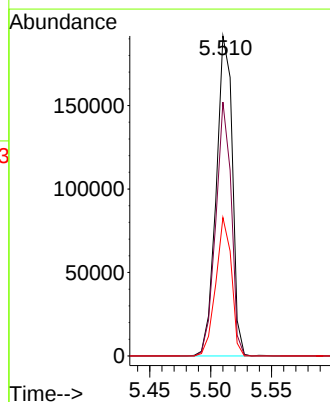
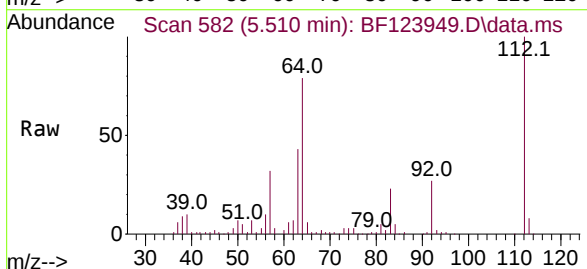
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

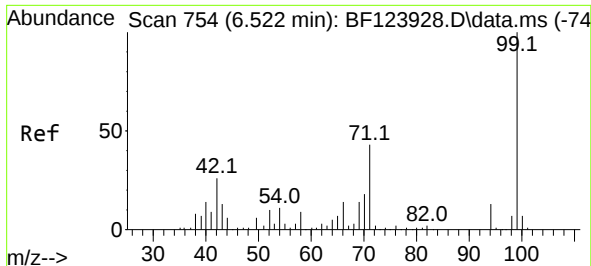
Tgt Ion:152 Resp: 39031
Ion Ratio Lower Upper
152 100
150 149.6 127.0 190.6
115 60.4 54.3 81.5



#5
2-Fluorophenol
Concen: 63.60 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

Tgt Ion:112 Resp: 176805
Ion Ratio Lower Upper
112 100
64 79.4 61.4 92.0
63 43.3 33.0 49.4

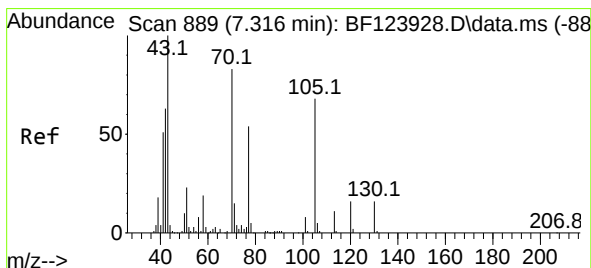
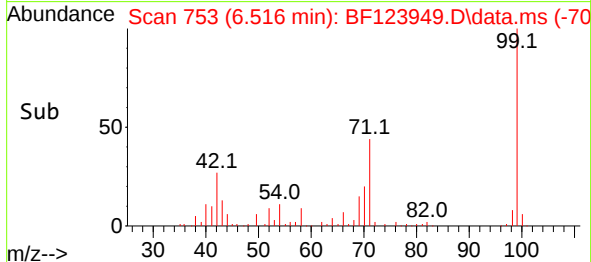
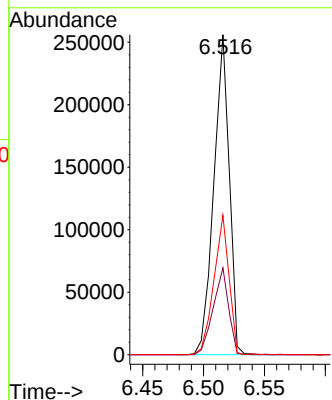
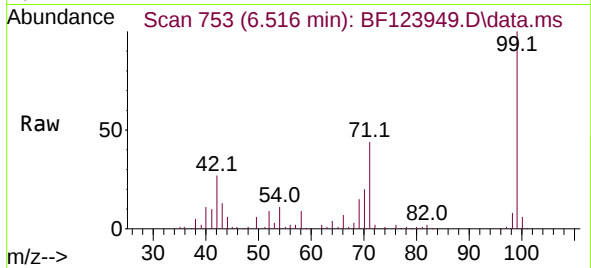




#7
Phenol-d6
Concen: 62.64 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

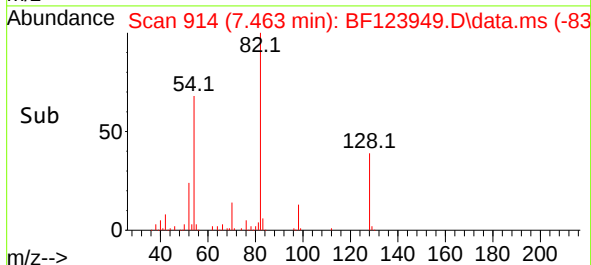
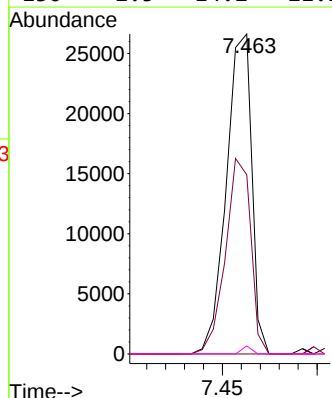
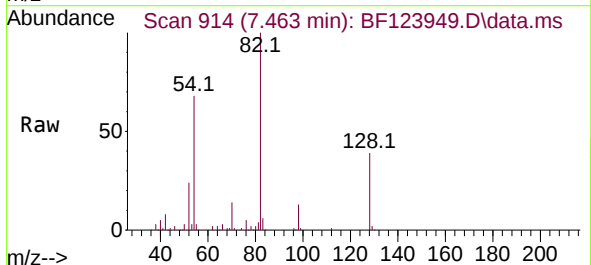
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 225889
Ion Ratio Lower Upper
99 100
42 27.2 19.8 29.8
71 43.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.17 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.147 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

Tgt Ion: 70 Resp: 24781
Ion Ratio Lower Upper
70 100
42 56.0 60.1 90.1#
101 0.0 7.4 11.2#
130 2.5 14.2 21.2#

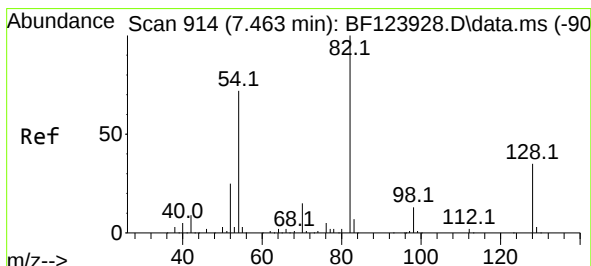
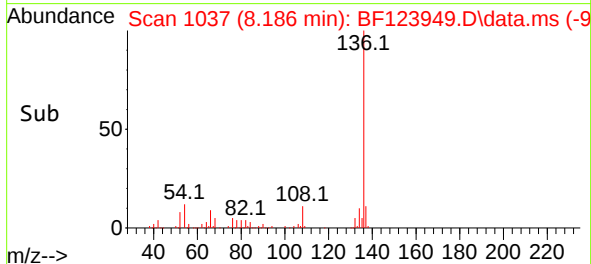
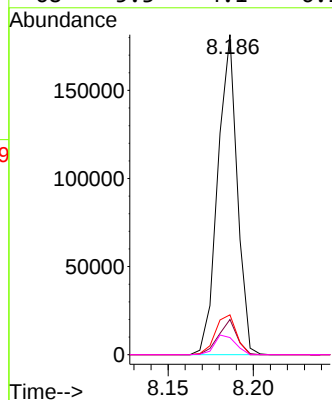
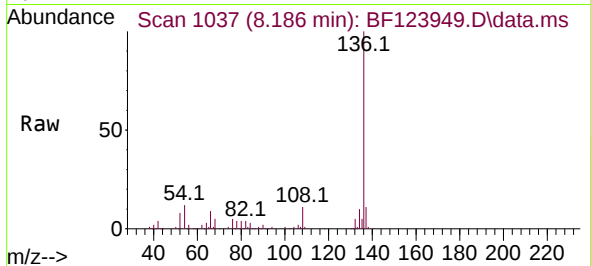




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

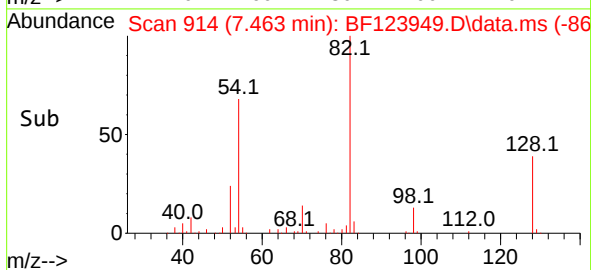
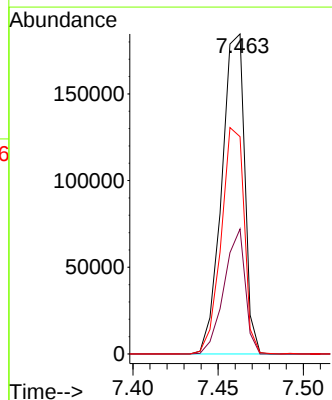
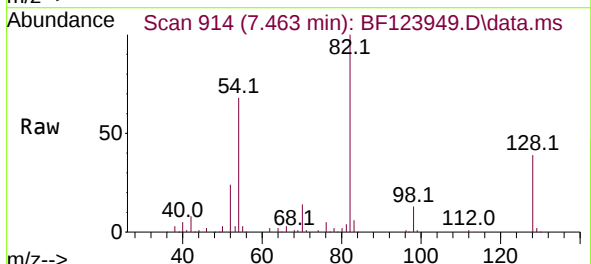
Instrument :
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ClientSampleId :
SB-05-COMP

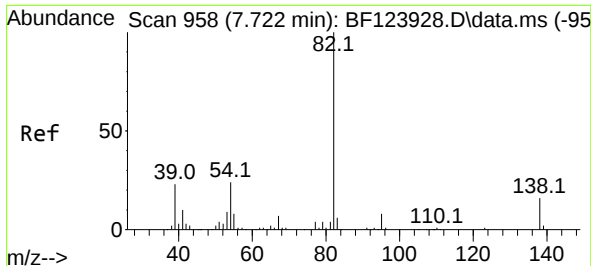
Tgt Ion:	136	Resp:	143752
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	12.5	9.8	14.6
68	5.3	4.1	6.1



#23
Nitrobenzene-d5
Concen: 51.83 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.000 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

Tgt Ion:	82	Resp:	172939
Ion Ratio	Lower	Upper	
82	100		
128	39.0	29.4	44.2
54	67.9	54.1	81.1

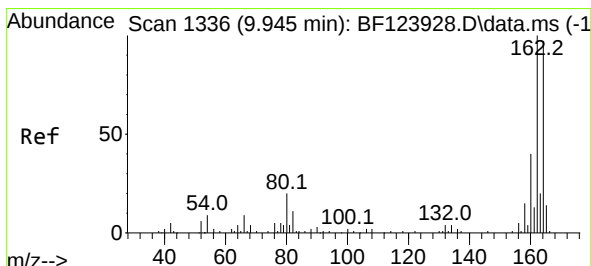
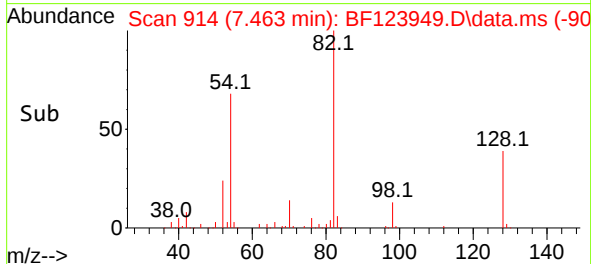
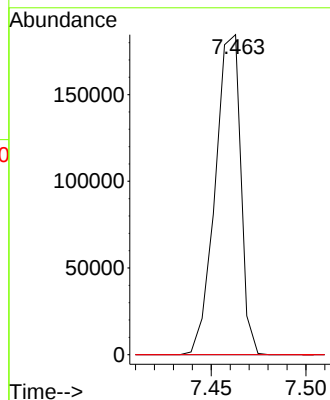
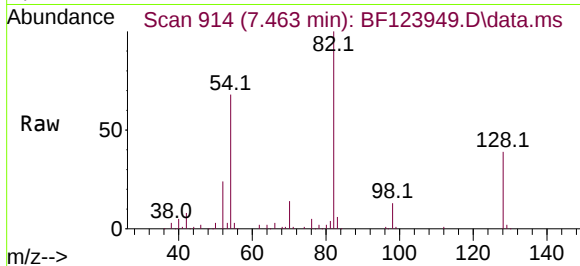




#25
Isophorone
Concen: 26.94 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.259 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

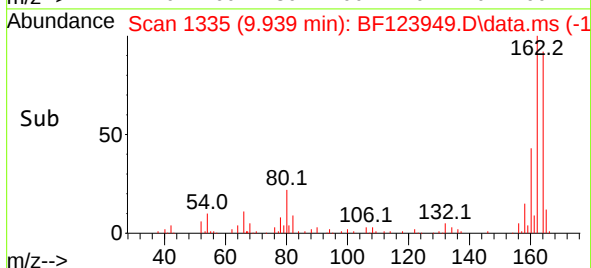
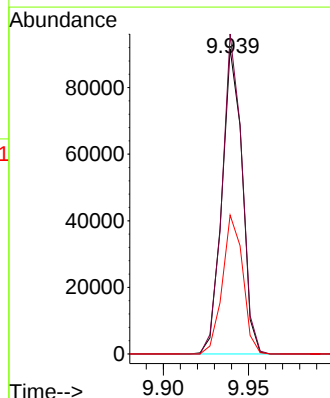
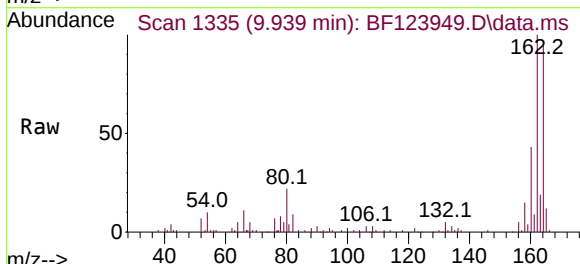
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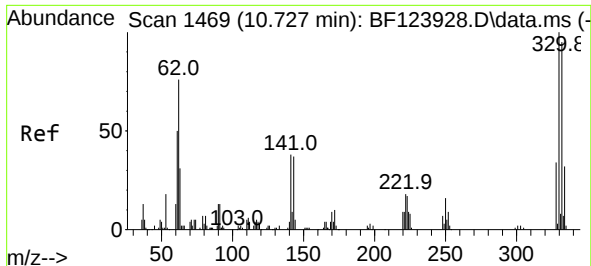
Tgt Ion: 82 Resp: 172934
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

Tgt Ion: 164 Resp: 75507
Ion Ratio Lower Upper
164 100
162 104.8 80.7 121.1
160 45.5 37.3 55.9

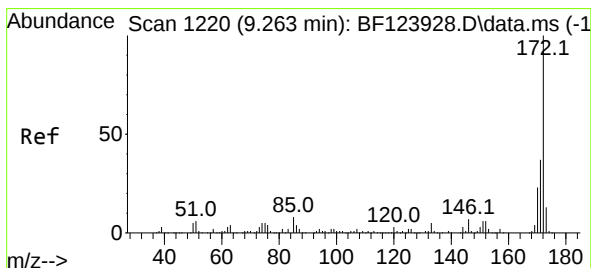
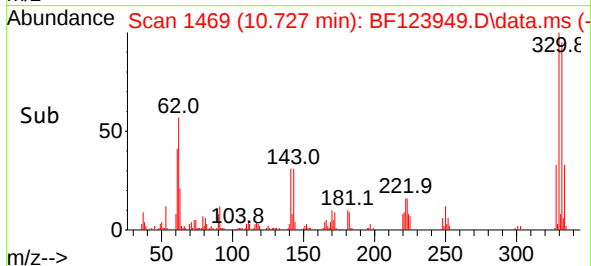
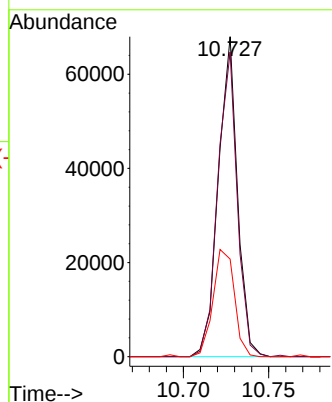
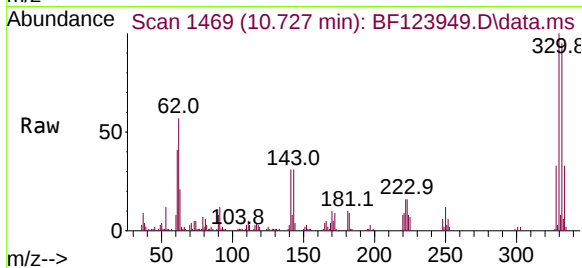




#42
2,4,6-Tribromophenol
Concen: 58.66 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.000 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

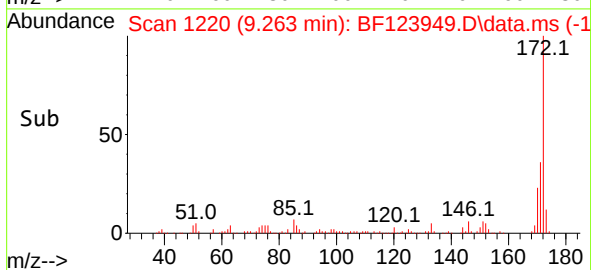
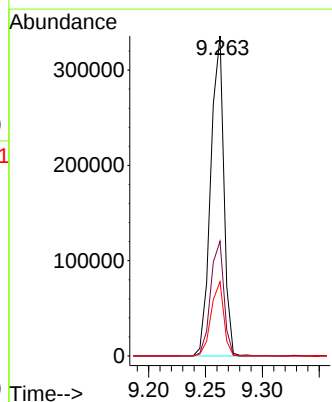
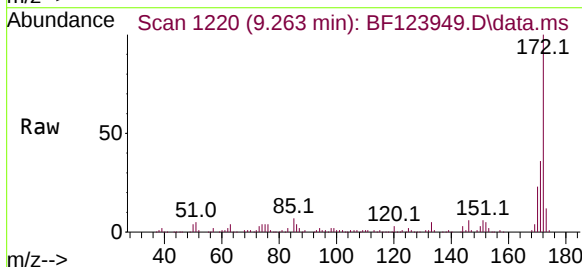
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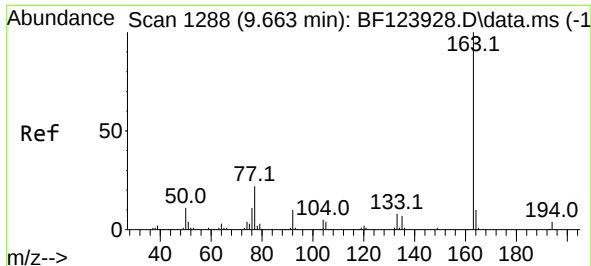
Tgt Ion: 330 Resp: 53195
Ion Ratio Lower Upper
330 100
332 97.0 77.1 115.7
141 37.3 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 43.89 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

Tgt Ion: 172 Resp: 269282
Ion Ratio Lower Upper
172 100
171 35.8 28.1 42.1
170 23.2 19.2 28.8

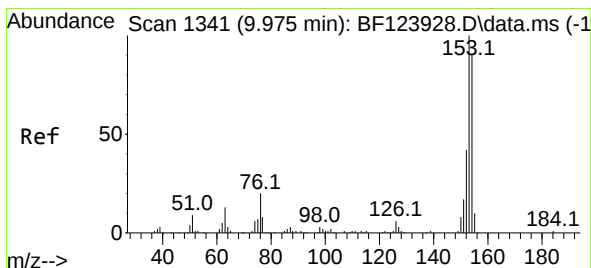
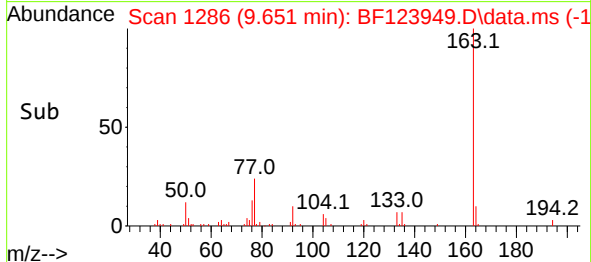
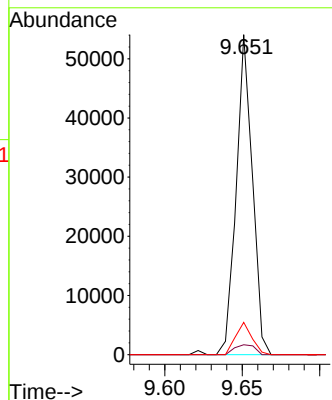
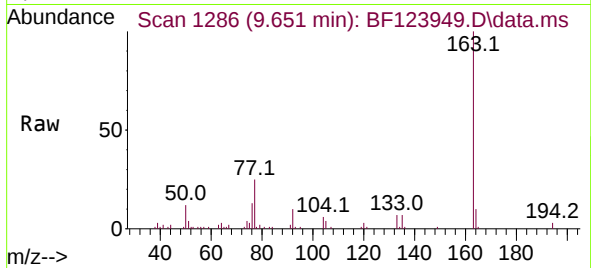




#50
Dimethylphthalate
Concen: 6.53 ng
RT: 9.651 min Scan# 1286
Delta R.T. -0.012 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

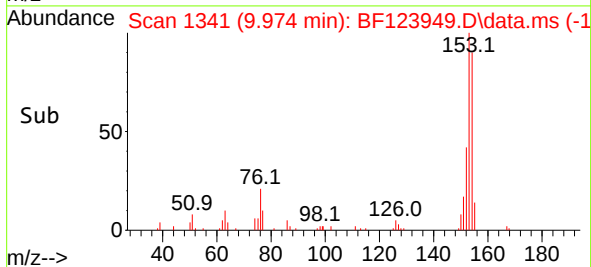
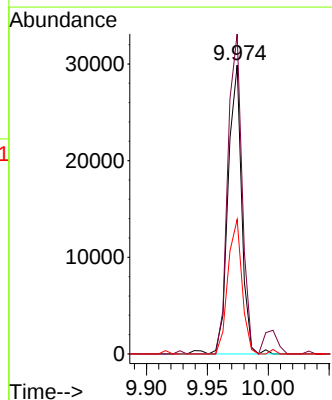
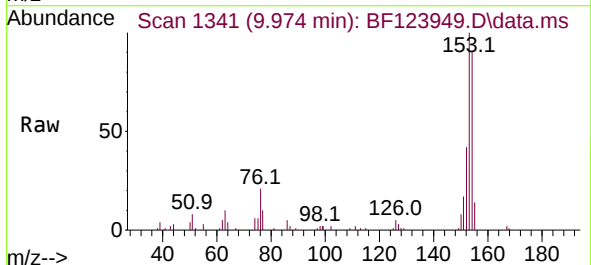
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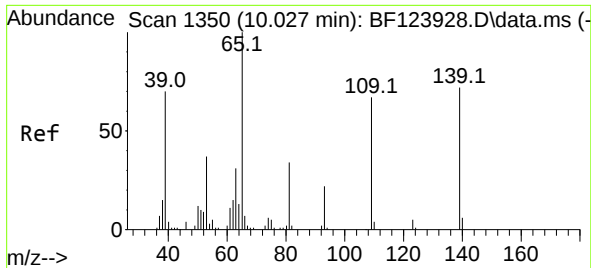
Tgt Ion:163 Resp: 39363
Ion Ratio Lower Upper
163 100
194 3.1 3.1 4.7#
164 10.1 8.2 12.2



#52
Acenaphthene
Concen: 4.34 ng
RT: 9.974 min Scan# 1341
Delta R.T. -0.000 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

Tgt Ion:154 Resp: 23184
Ion Ratio Lower Upper
154 100
153 110.8 88.1 132.1
152 46.6 43.4 65.0

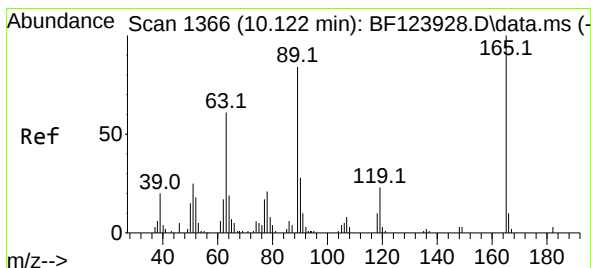
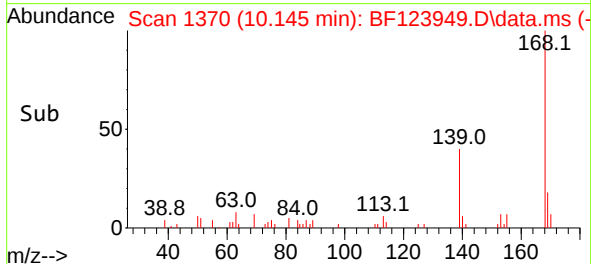
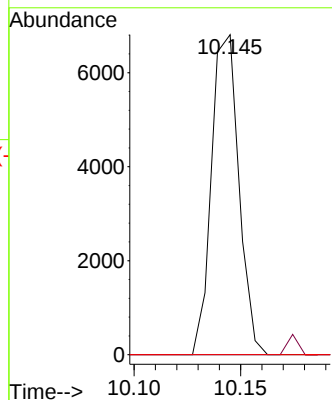
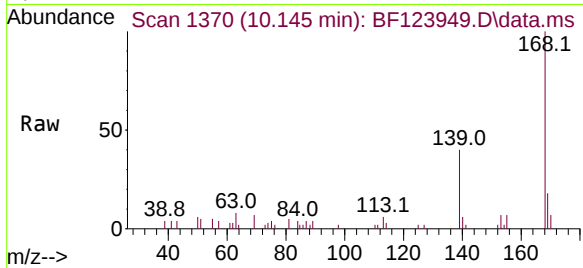




#56
4-Nitrophenol
Concen: 6.08 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.118 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

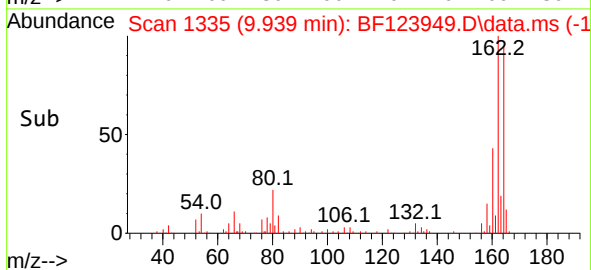
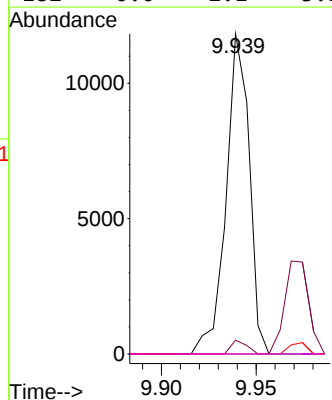
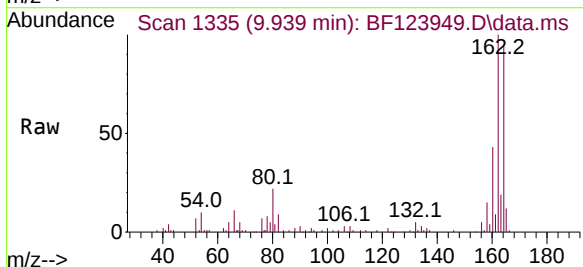
Instrument :
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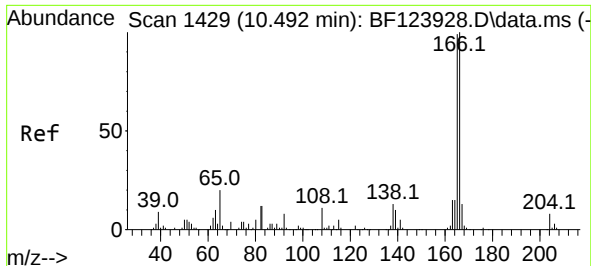
Tgt Ion:139 Resp: 6098
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 6.72 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.182 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

Tgt Ion:165 Resp: 10045
Ion Ratio Lower Upper
165 100
63 4.3 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

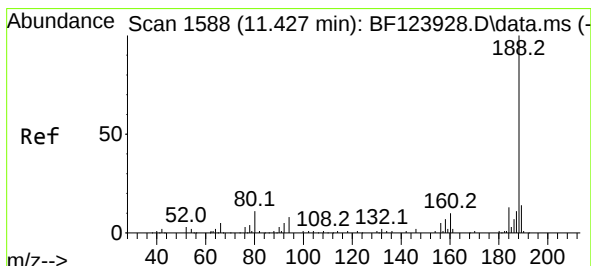
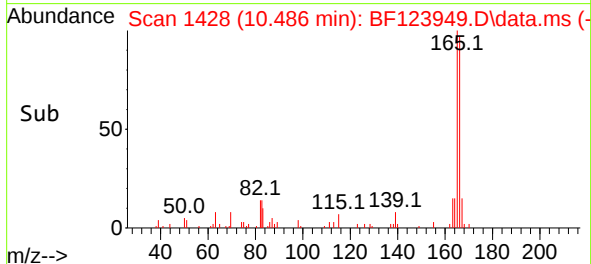
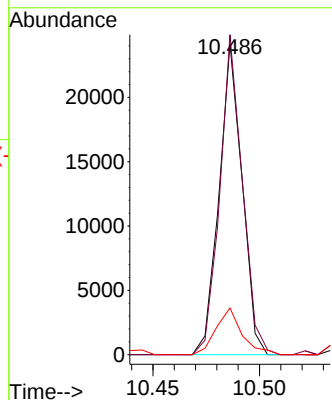
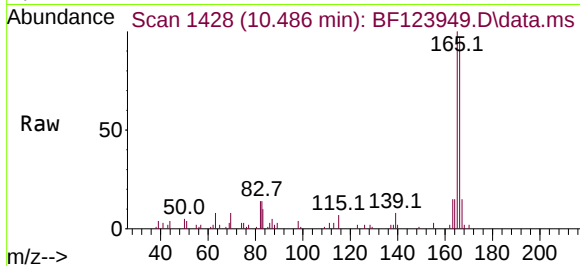




#58
Fluorene
Concen: 3.13 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

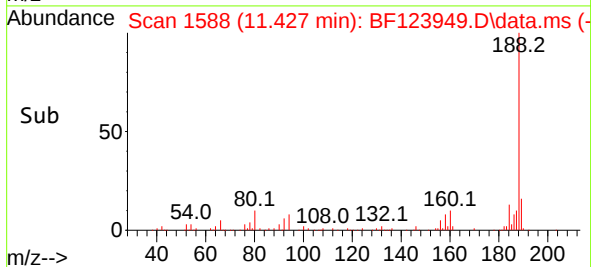
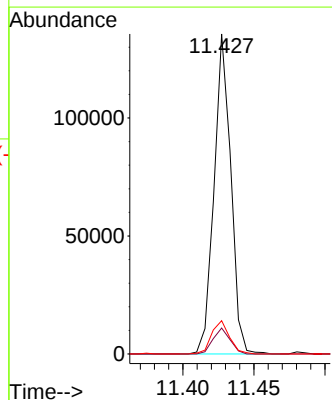
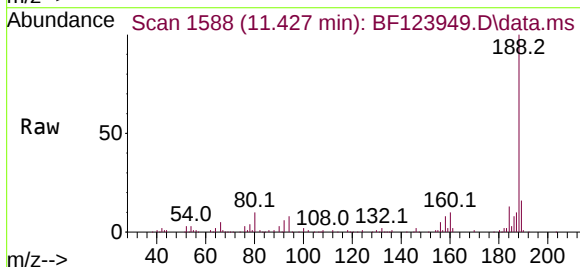
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

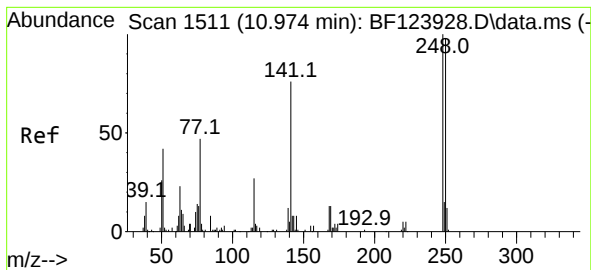
Tgt Ion:166 Resp: 18126
Ion Ratio Lower Upper
166 100
165 102.8 73.5 110.3
167 15.0 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

Tgt Ion:188 Resp: 111309
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 10.4 8.2 12.2

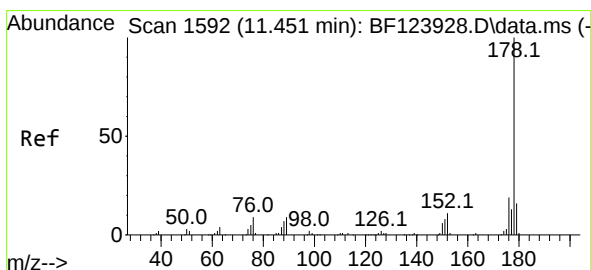
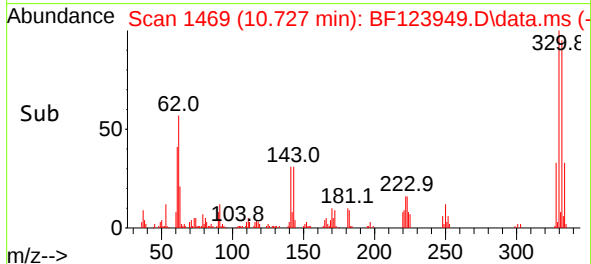
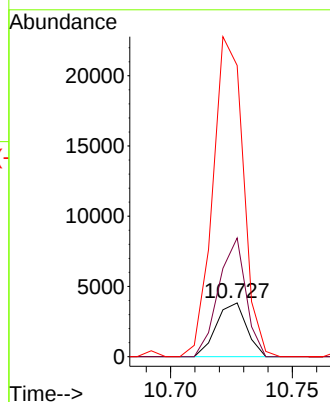
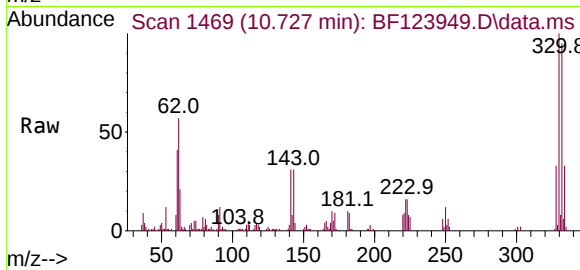




#67
4-Bromophenyl-phenylether
Concen: 2.26 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

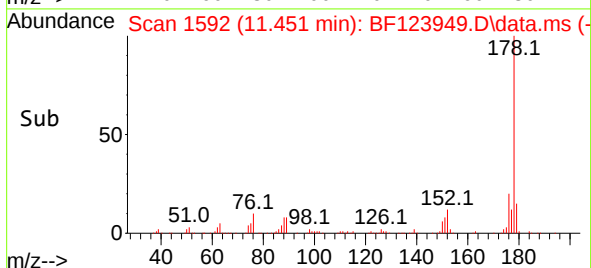
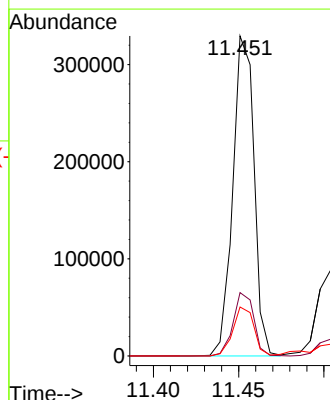
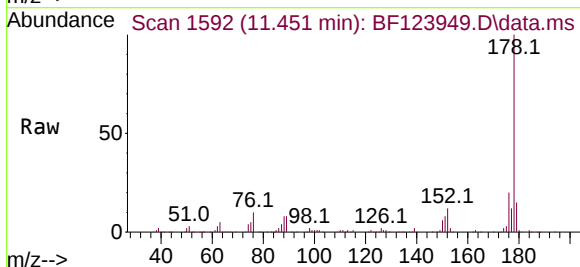
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

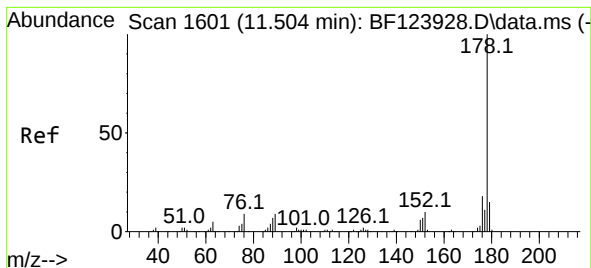
Tgt Ion:248 Resp: 3311
Ion Ratio Lower Upper
248 100
250 221.0 77.4 116.2#
141 541.7 63.7 95.5#



#71
Phenanthrene
Concen: 40.47 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

Tgt Ion:178 Resp: 285511
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.3 12.5 18.7





#72

Anthracene

Concen: 10.05 ng

RT: 11.504 min Scan# 1601

Delta R.T. -0.000 min

Lab File: BF123949.D

Acq: 15 May 2021 17:20

Tgt Ion:178 Resp: 71858

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

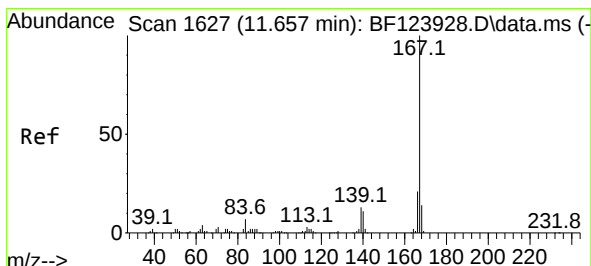
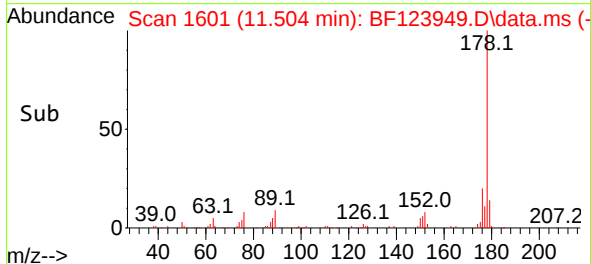
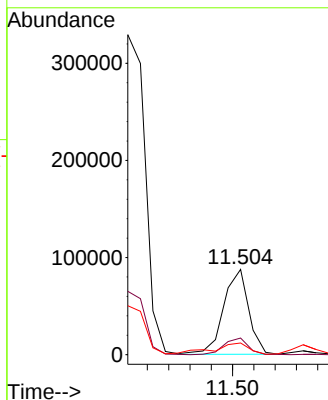
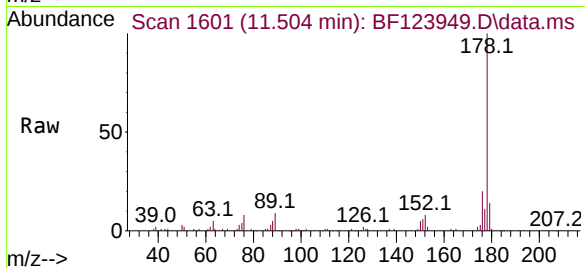
179 13.7 12.6 18.8

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP



#73

Carbazole

Concen: 4.79 ng

RT: 11.651 min Scan# 1626

Delta R.T. -0.006 min

Lab File: BF123949.D

Acq: 15 May 2021 17:20

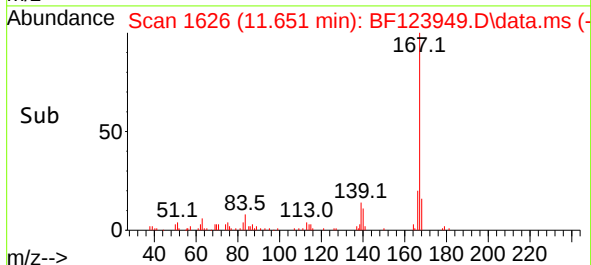
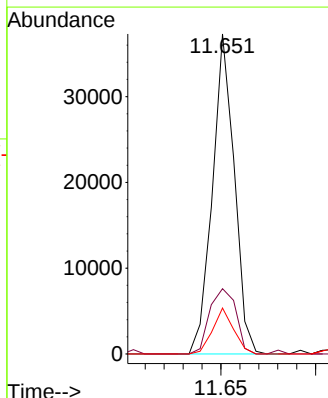
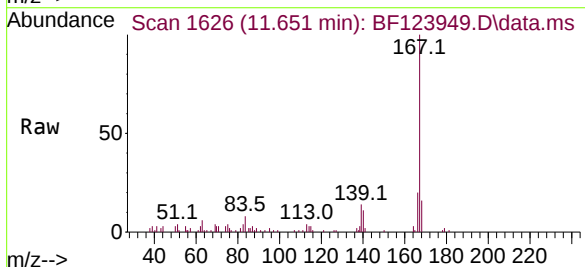
Tgt Ion:167 Resp: 29977

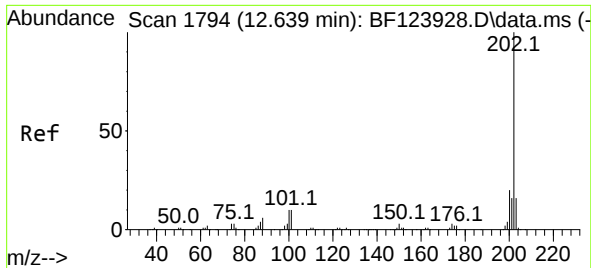
Ion Ratio Lower Upper

167 100

166 20.4 17.0 25.6

139 14.3 10.4 15.6

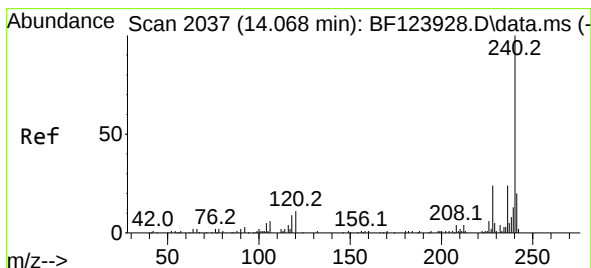
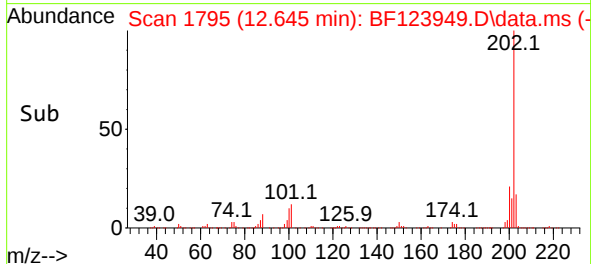
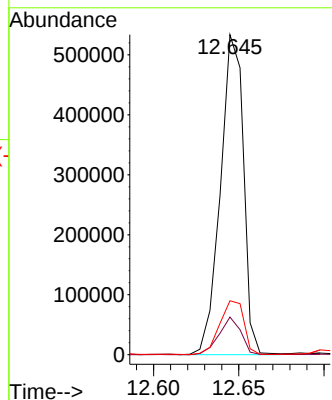
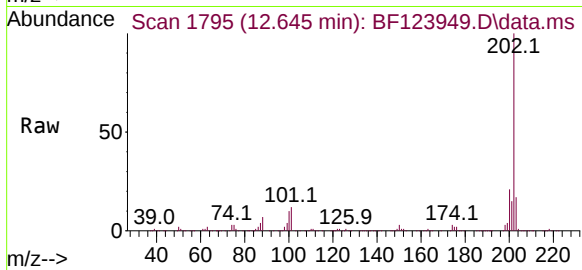




#75
Fluoranthene
Concen: 68.67 ng
RT: 12.645 min Scan# 1795
Delta R.T. 0.006 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

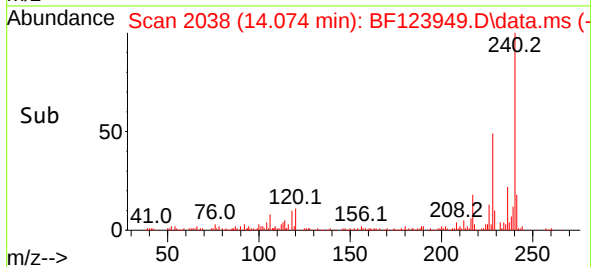
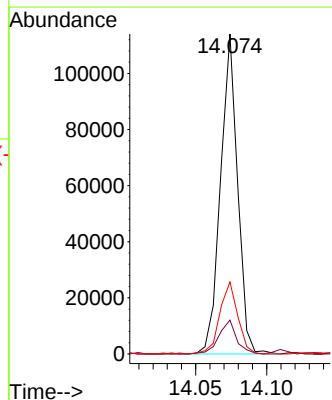
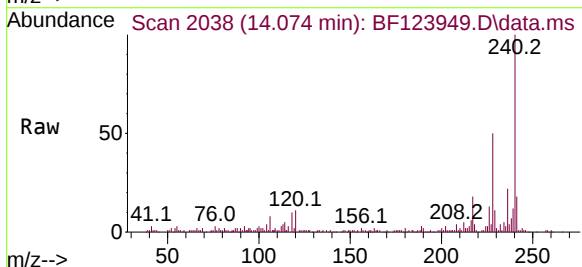
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

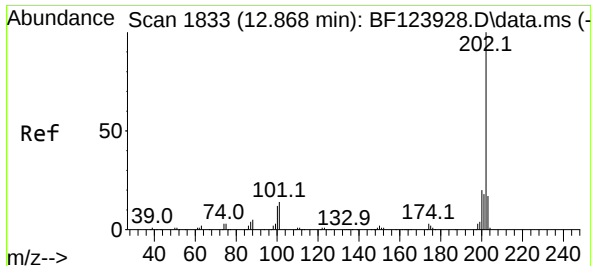
Tgt Ion:202 Resp: 501630
Ion Ratio Lower Upper
202 100
101 11.7 0.0 30.9
203 16.9 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

Tgt Ion:240 Resp: 95245
Ion Ratio Lower Upper
240 100
120 10.6 7.2 10.8
236 22.5 19.0 28.4

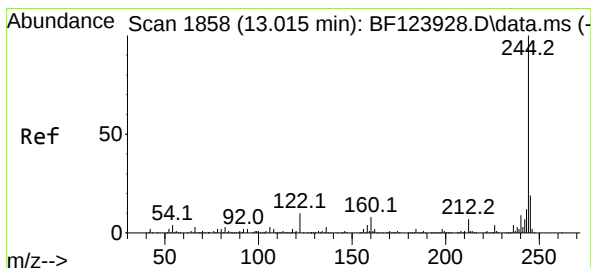
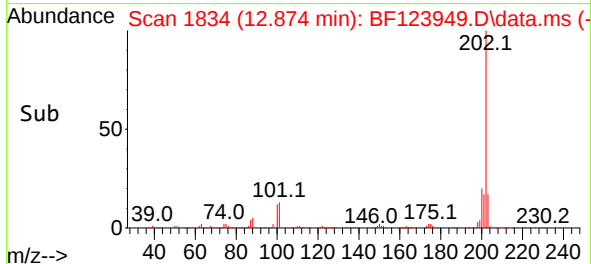
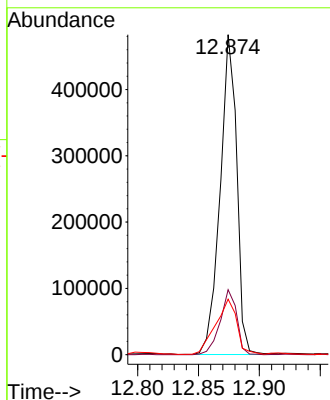
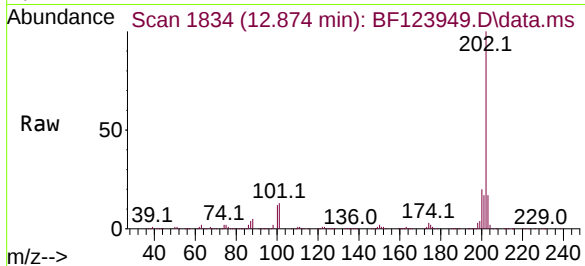




#78
Pyrene
Concen: 54.39 ng
RT: 12.874 min Scan# 1834
Delta R.T. 0.006 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

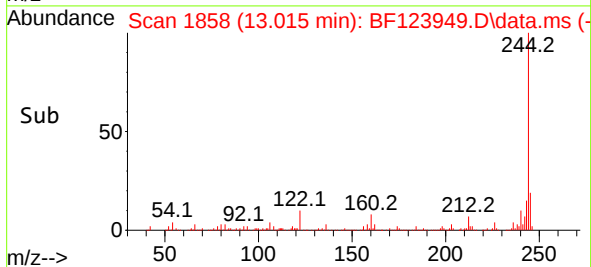
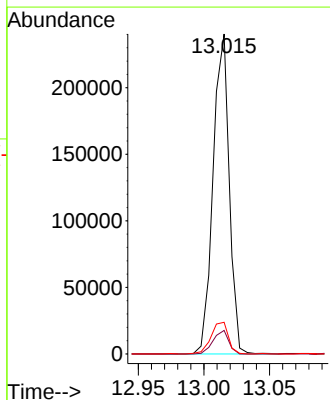
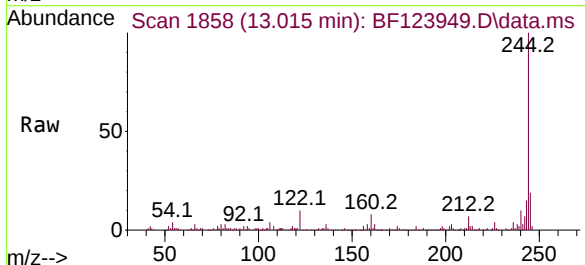
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

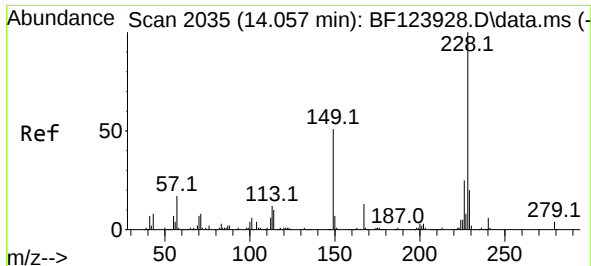
Tgt Ion:202 Resp: 459880
Ion Ratio Lower Upper
202 100
200 20.3 16.1 24.1
203 17.3 14.8 22.2



#79
Terphenyl-d14
Concen: 32.71 ng
RT: 13.015 min Scan# 1858
Delta R.T. -0.000 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

Tgt Ion:244 Resp: 205716
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 9.9 9.7 14.5

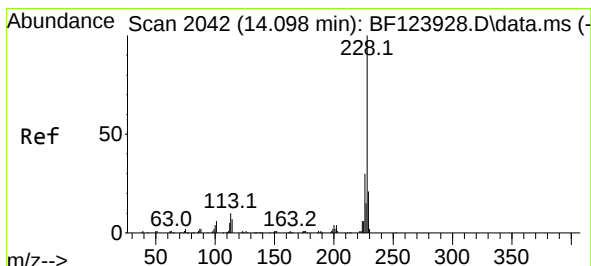
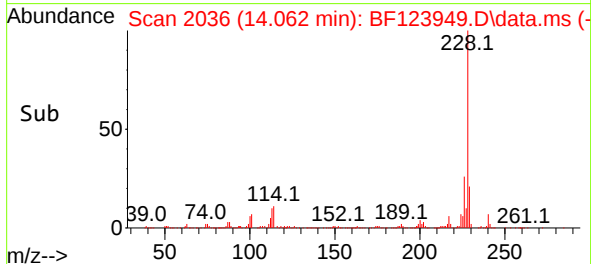
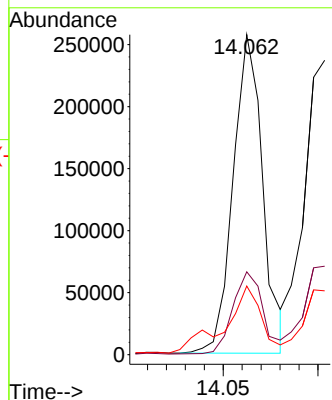
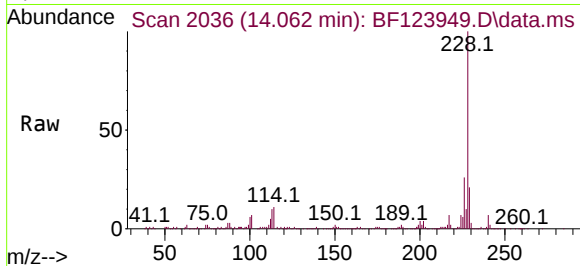




#81
Benzo(a)anthracene
Concen: 40.32 ng
RT: 14.062 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

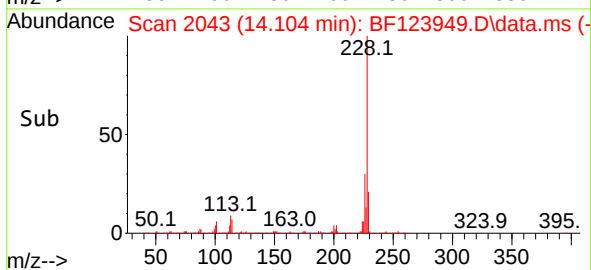
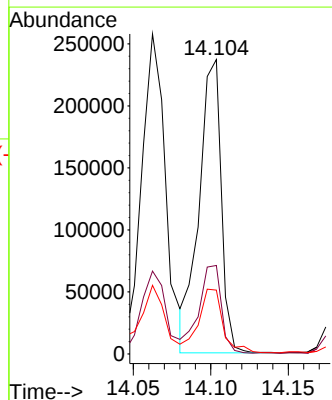
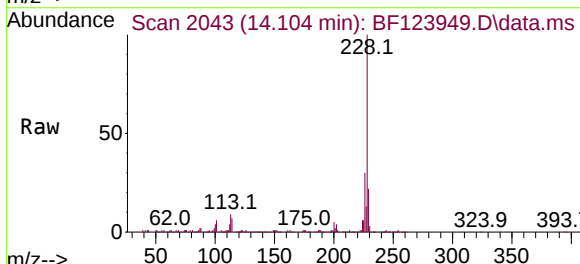
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

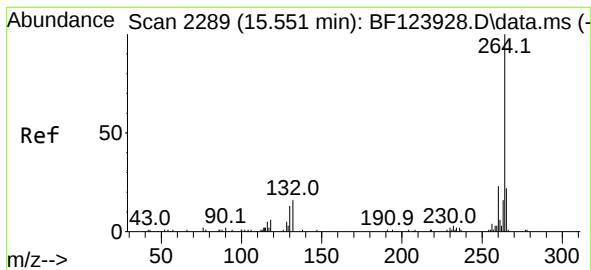
Tgt Ion:228 Resp: 277710
Ion Ratio Lower Upper
228 100
226 25.9 22.4 33.6
229 21.5 16.0 24.0



#83
Chrysene
Concen: 35.58 ng
RT: 14.104 min Scan# 2043
Delta R.T. 0.006 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

Tgt Ion:228 Resp: 235750
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 21.7 16.2 24.2



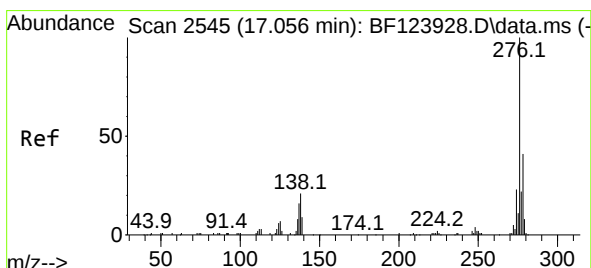
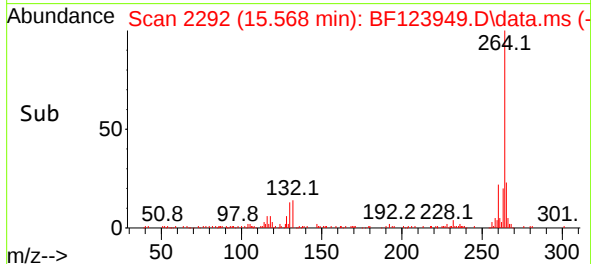
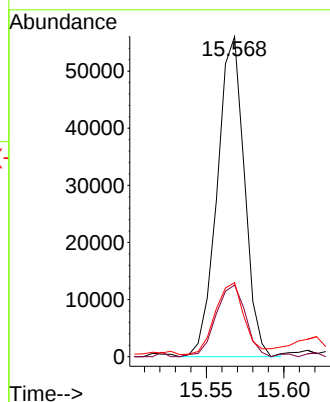
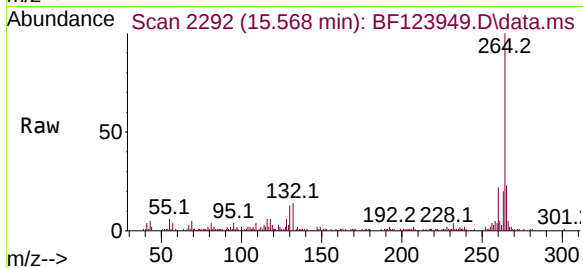


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.018 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tgt Ion:264 Resp: 68426

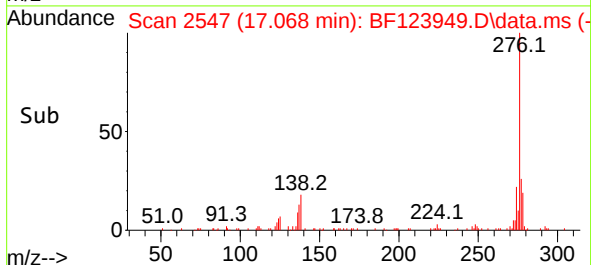
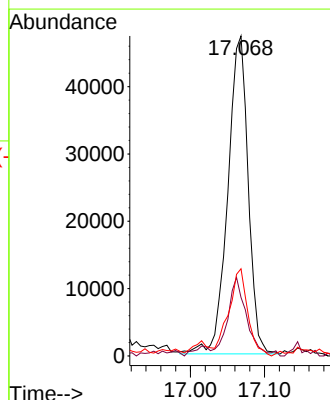
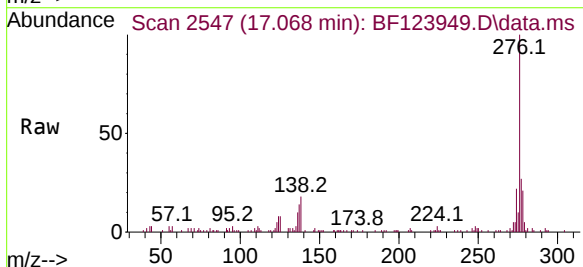
Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.7	28.1
265	23.2	17.8	26.8

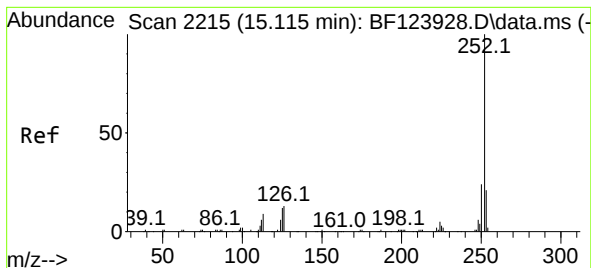


#87
Indeno(1,2,3-cd)pyrene
Concen: 17.12 ng
RT: 17.068 min Scan# 2547
Delta R.T. 0.012 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

Tgt Ion:276 Resp: 90469

Ion	Ratio	Lower	Upper
276	100		
138	22.9	16.2	24.2
277	25.5	20.1	30.1





#88

Benzo(b)fluoranthene

Concen: 69.88 ng

RT: 15.133 min Scan# 2218

Delta R.T. 0.018 min

Lab File: BF123949.D

Acq: 15 May 2021 17:20

Tgt Ion:252 Resp: 369874

Ion Ratio Lower Upper

252 100

253 20.5 18.1 27.1

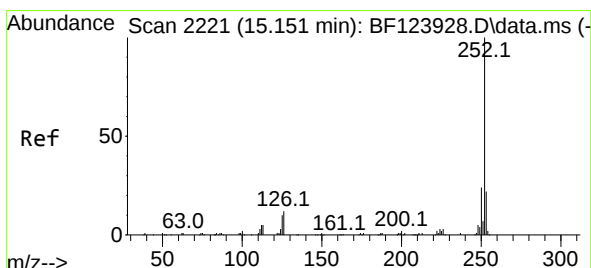
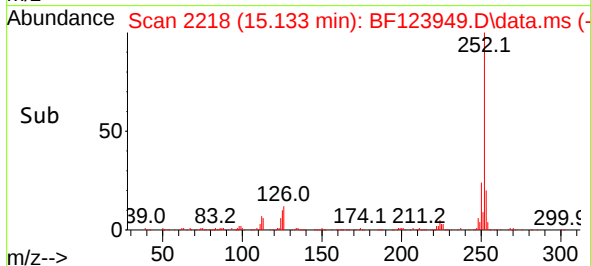
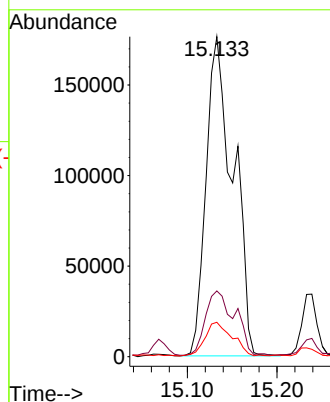
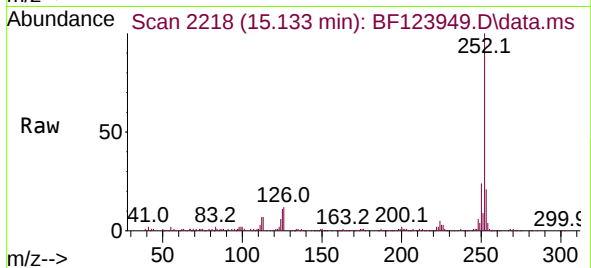
125 10.8 6.2 9.4#

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP



#89

Benzo(k)fluoranthene

Concen: 76.67 ng

RT: 15.133 min Scan# 2218

Delta R.T. -0.018 min

Lab File: BF123949.D

Acq: 15 May 2021 17:20

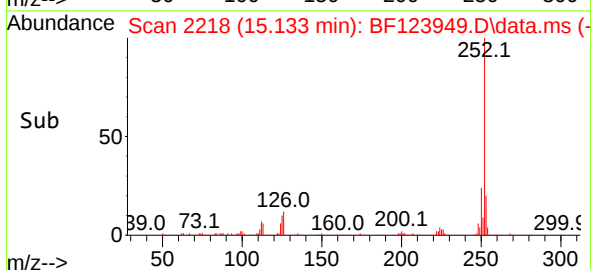
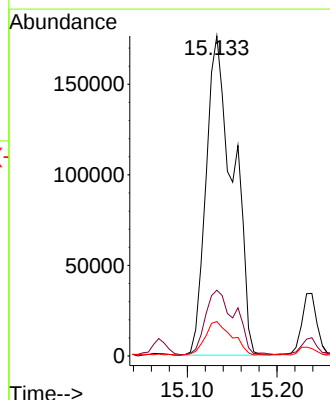
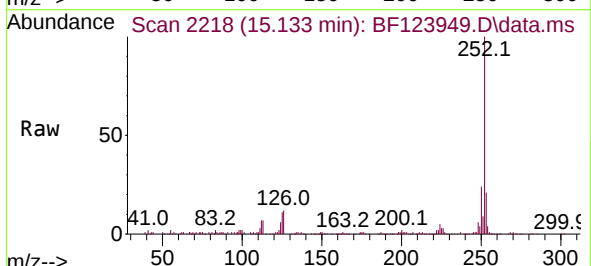
Tgt Ion:252 Resp: 369874

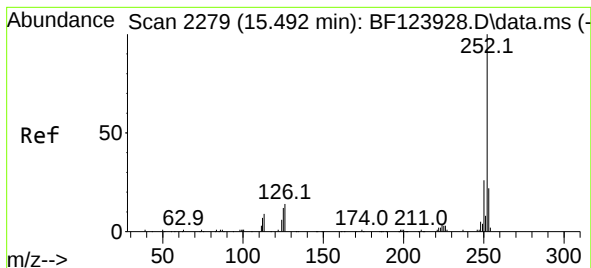
Ion Ratio Lower Upper

252 100

253 20.5 17.9 26.9

125 10.8 7.0 10.6#

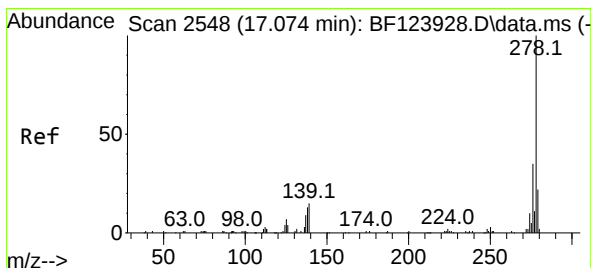
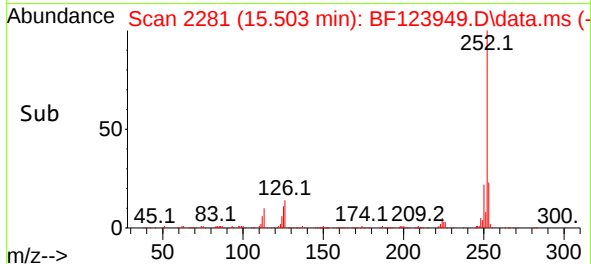
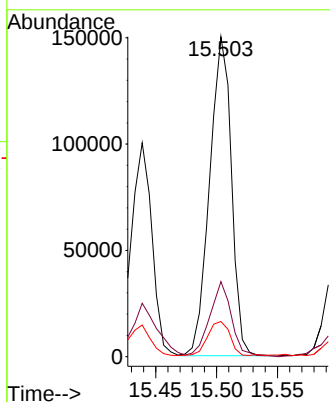
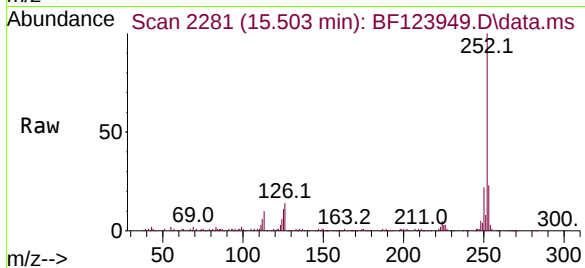




#90
Benzo(a)pyrene
Concen: 40.87 ng
RT: 15.503 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

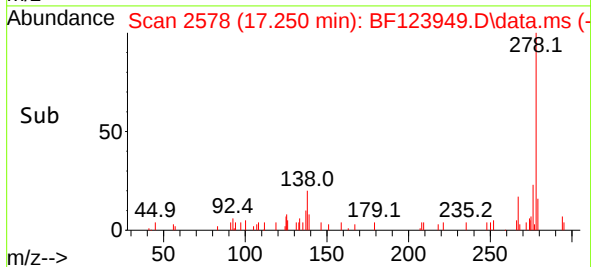
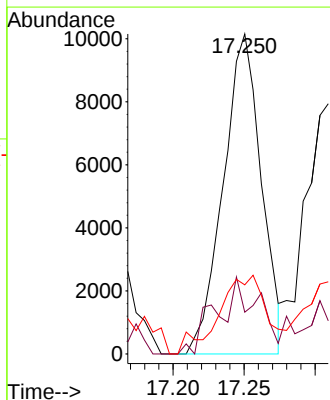
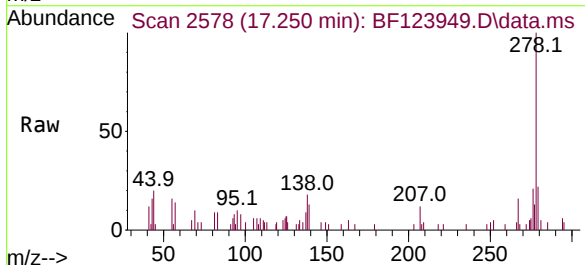
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

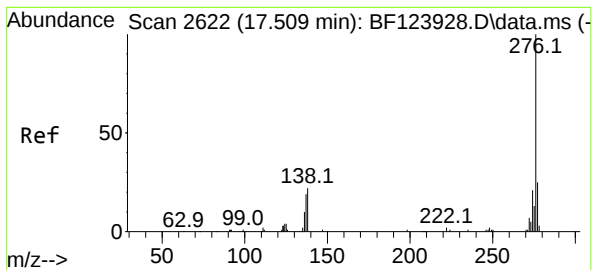
Tgt Ion:252 Resp: 187017
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 11.0 8.0 12.0



#91
Dibenzo(a,h)anthracene
Concen: 4.25 ng
RT: 17.250 min Scan# 2578
Delta R.T. 0.176 min
Lab File: BF123949.D
Acq: 15 May 2021 17:20

Tgt Ion:278 Resp: 18912
Ion Ratio Lower Upper
278 100
139 13.0 10.2 15.2
279 21.6 19.4 29.0





#92
 Benzo(g,h,i)perylene
 Concen: 18.34 ng
 RT: 17.521 min Scan# 2624
 Delta R.T. 0.012 min
 Lab File: BF123949.D
 Acq: 15 May 2021 17:20

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Tgt Ion:	276	Resp:	81845
Ion Ratio	Lower	Upper	
276	100		
277	22.1	18.2	27.2
138	22.4	13.8	20.6#

