

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
 Data File : BF123449.D
 Acq On : 24 Mar 2021 20:30
 Operator : JU/CG
 Sample : M1720-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1A-(0.5-1.0)

Quant Time: Mar 25 00:40:53 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 24 12:51:15 2021
 Response via : Initial Calibration

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

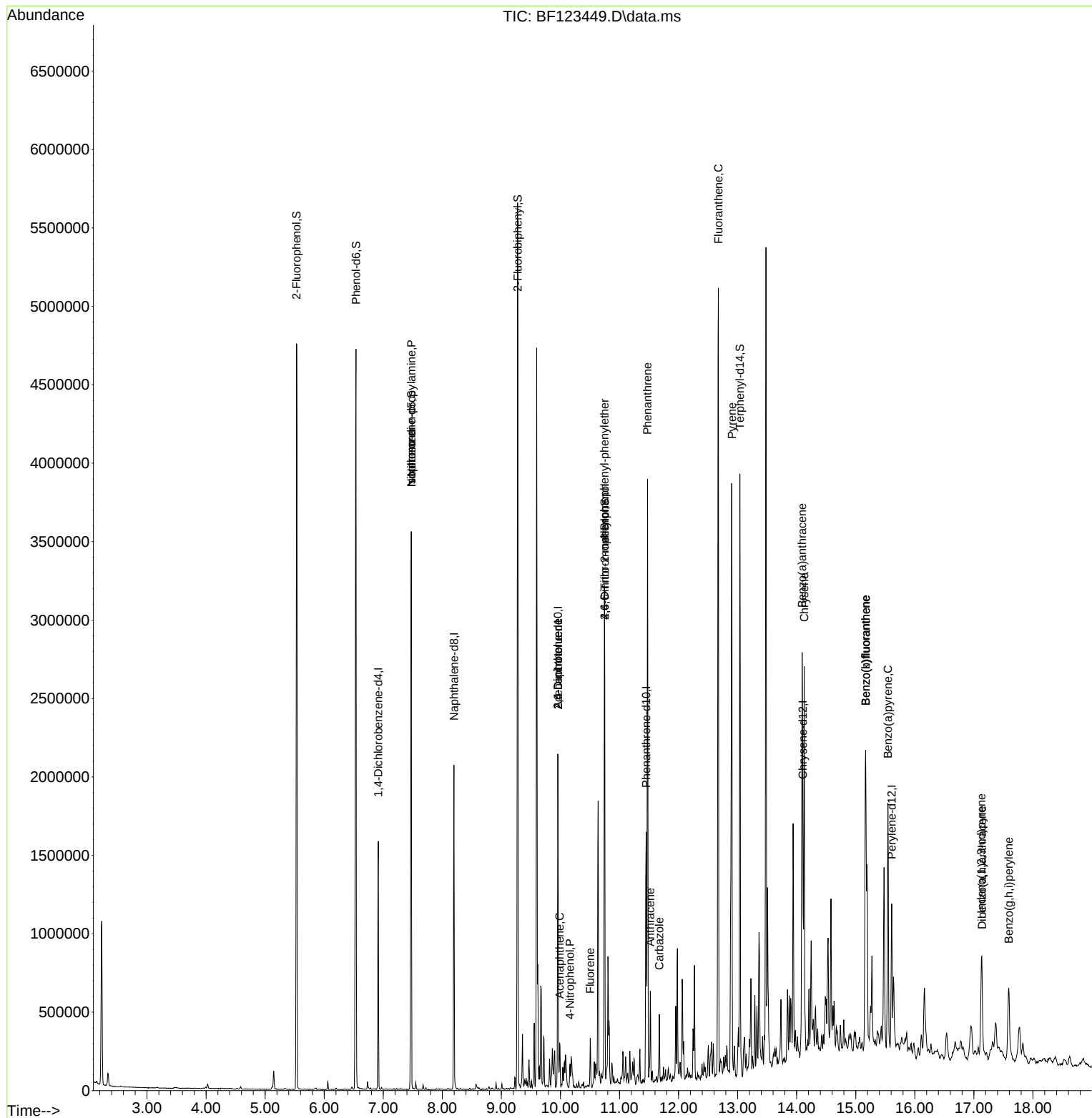
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	220920	20.00	ng	0.00
21) Naphthalene-d8	8.198	136	792442	20.00	ng	# 0.00
39) Acenaphthene-d10	9.957	164	404716	20.00	ng	0.00
64) Phenanthrene-d10	11.451	188	563656	20.00	ng	0.00
76) Chrysene-d12	14.104	240	395149	20.00	ng	0.00
86) Perylene-d12	15.609	264	412242	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1222968	90.56	ng	0.00
7) Phenol-d6	6.539	99	1530083	85.12	ng	0.00
23) Nitrobenzene-d5	7.475	82	1044104	71.11	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	360958	79.78	ng	0.00
45) 2-Fluorobiphenyl	9.274	172	1799476	63.52	ng	0.00
79) Terphenyl-d14	13.039	244	1234220	52.93	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.457	77	1039	Below Cal	#	78
19) n-Nitroso-di-n-propyla...	7.475	70	142333	12.24	ng	# 81
25) Isophorone	7.475	82	1035694	32.81	ng	# 65
51) 2,6-Dinitrotoluene	9.957	165	52134	8.68	ng	# 32
52) Acenaphthene	9.986	154	52218	2.10	ng	96
56) 4-Nitrophenol	10.163	139	17794	3.48	ng	# 16
57) 2,4-Dinitrotoluene	9.957	165	52134	6.96	ng	# 26
58) Fluorene	10.504	166	75927	2.82	ng	96
65) 4,6-Dinitro-2-methylph...	10.751	198	770	5.35	ng	# 1
67) 4-Bromophenyl-phenylether	10.745	248	21992	3.29	ng	# 1
71) Phenanthrene	11.474	178	1333526	42.80	ng	100
72) Anthracene	11.521	178	189164	6.04	ng	99
73) Carbazole	11.674	167	142242	4.80	ng	96
75) Fluoranthene	12.674	202	2140579	63.45	ng	97
78) Pyrene	12.904	202	1733533	50.86	ng	99
81) Benzo(a)anthracene	14.092	228	811496	31.38	ng	99
83) Chrysene	14.127	228	938497	35.15	ng	98
87) Indeno(1,2,3-cd)pyrene	17.127	276	456950	17.84	ng	96
88) Benzo(b)fluoranthene	15.168	252	1636550	57.54	ng	100
89) Benzo(k)fluoranthene	15.168	252	1636550	60.87	ng	99
90) Benzo(a)pyrene	15.545	252	784662	31.96	ng	98
91) Dibenzo(a,h)anthracene	17.139	278	107362	4.94	ng	99
92) Benzo(g,h,i)perylene	17.592	276	407850	18.73	ng	99

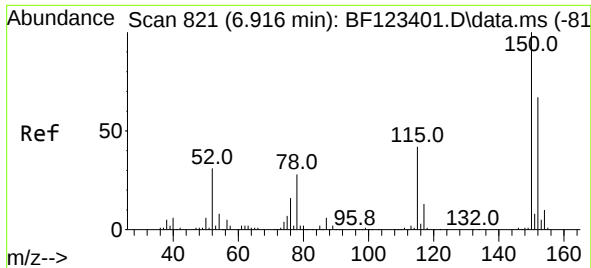
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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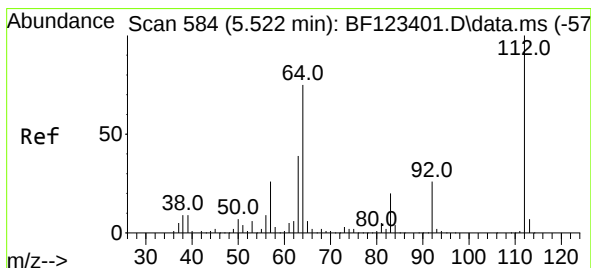
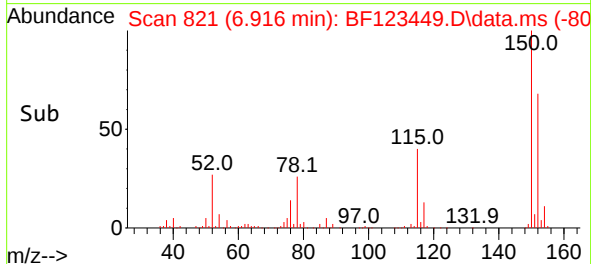
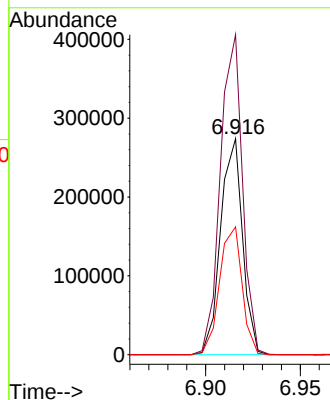
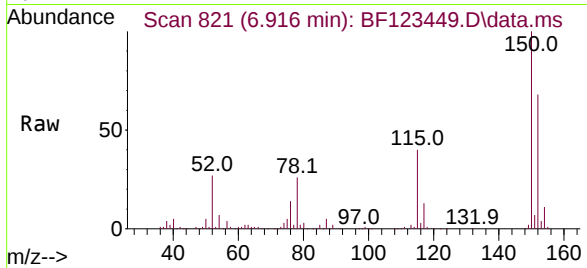




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

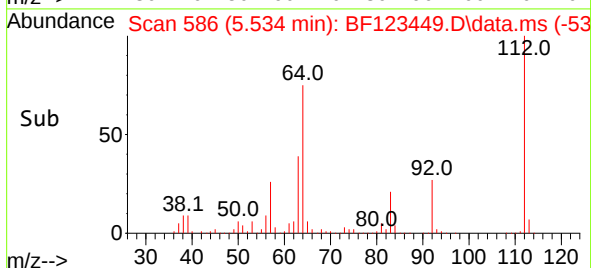
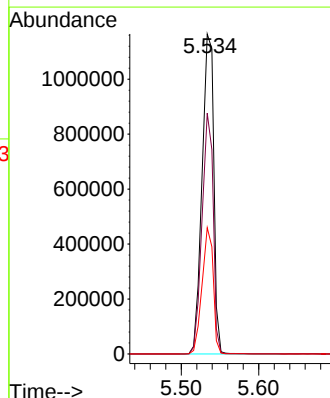
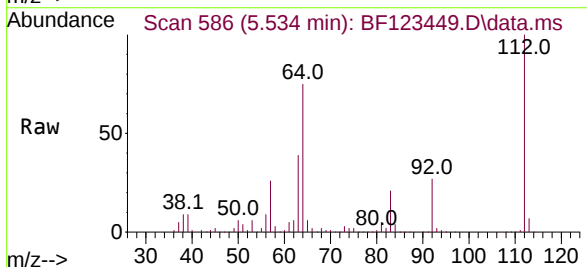
Instrument :
BNA_F
ClientSampleId :
SB-1A-(0.5-1.0)

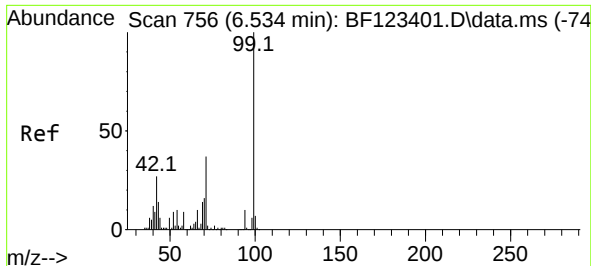
Tgt Ion:152 Resp: 220920
Ion Ratio Lower Upper
152 100
150 148.1 125.8 188.6
115 59.2 49.3 73.9



#5
2-Fluorophenol
Concen: 90.56 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Tgt Ion:112 Resp: 1222968
Ion Ratio Lower Upper
112 100
64 75.3 46.9 70.3#
63 39.5 24.5 36.7#

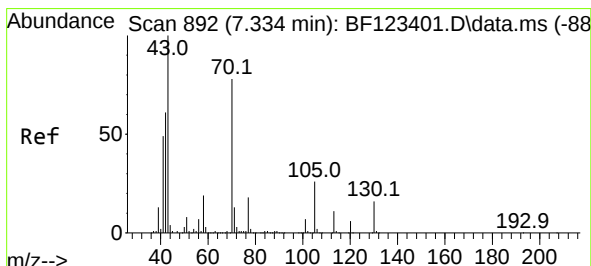
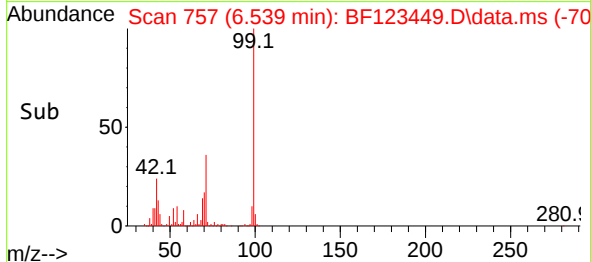
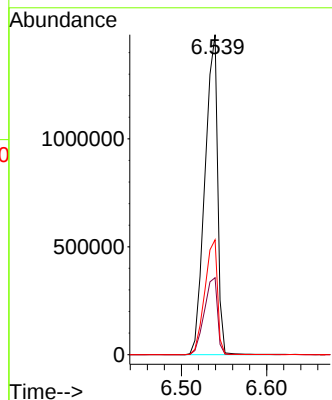
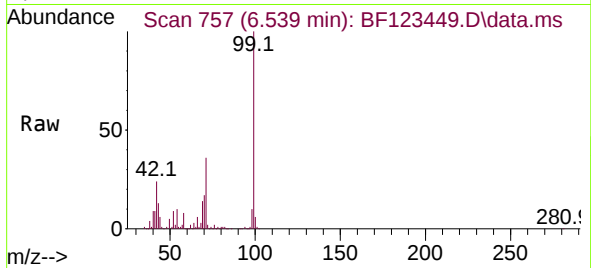




#7
Phenol-d6
Concen: 85.12 ng
RT: 6.539 min Scan# 757
Delta R.T. -0.000 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

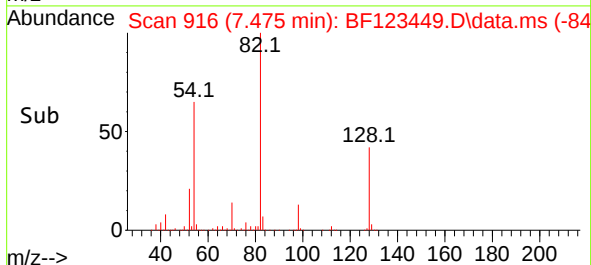
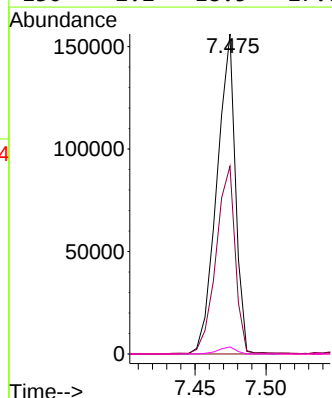
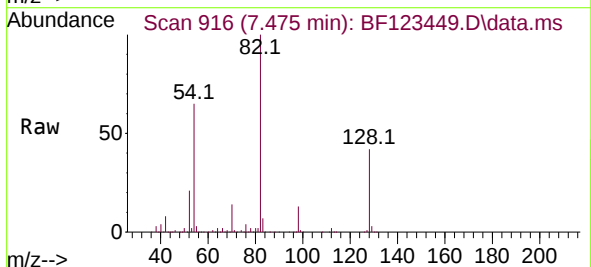
Instrument :
BNA_F
ClientSampleId :
SB-1A-(0.5-1.0)

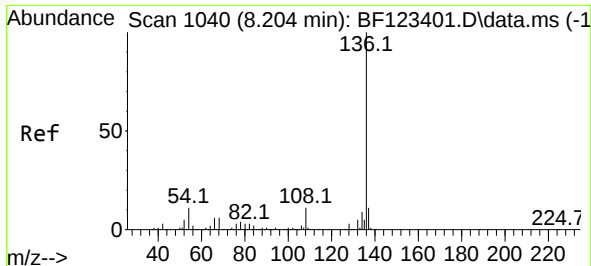
Tgt Ion: 99 Resp: 1530083
Ion Ratio Lower Upper
99 100
42 24.1 13.8 20.6#
71 35.9 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 12.24 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.141 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

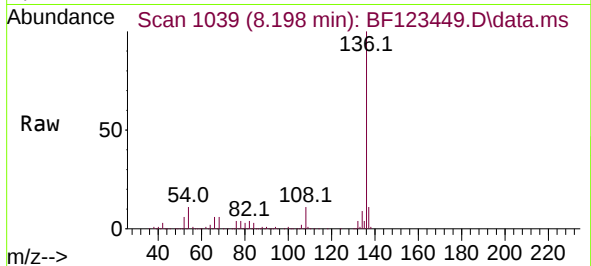
Tgt Ion: 70 Resp: 142333
Ion Ratio Lower Upper
70 100
42 58.7 43.0 64.4
101 0.0 7.9 11.9#
130 2.2 18.5 27.7#



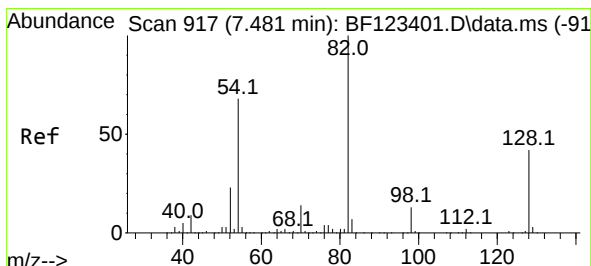
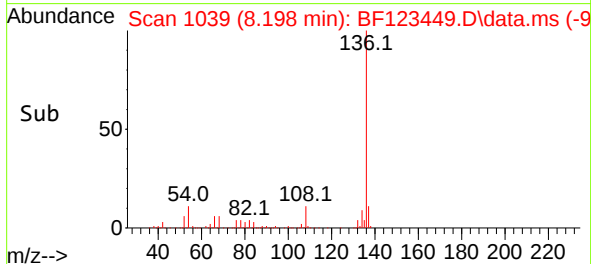
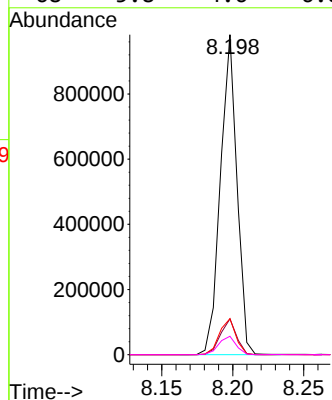


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Instrument :
BNA_F
ClientSampleId :
SB-1A-(0.5-1.0)

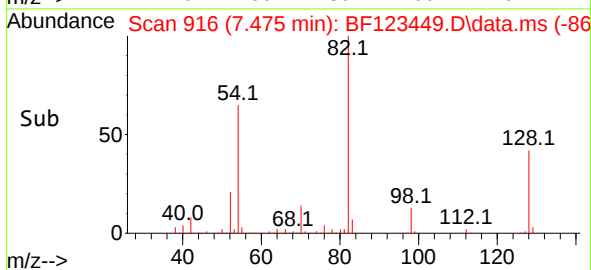
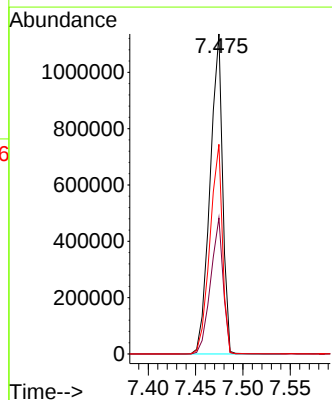
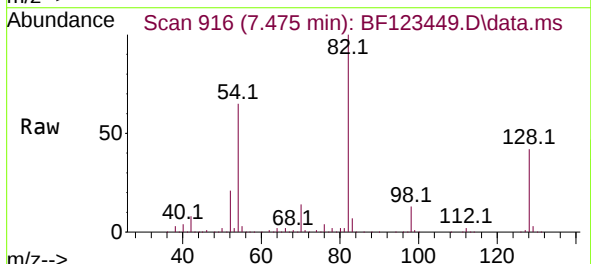


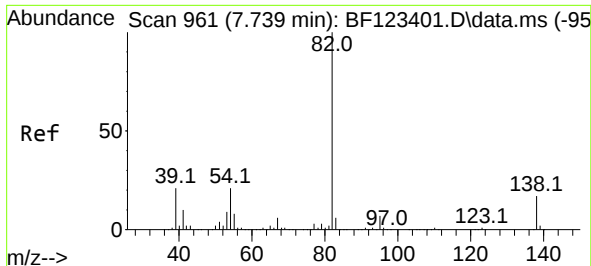
Tgt Ion:136 Resp: 792442
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 11.3 5.5 8.3#
68 5.8 4.6 6.8



#23
Nitrobenzene-d5
Concen: 71.11 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Tgt Ion: 82 Resp: 1044104
Ion Ratio Lower Upper
82 100
128 42.5 37.0 55.4
54 65.5 38.4 57.6#

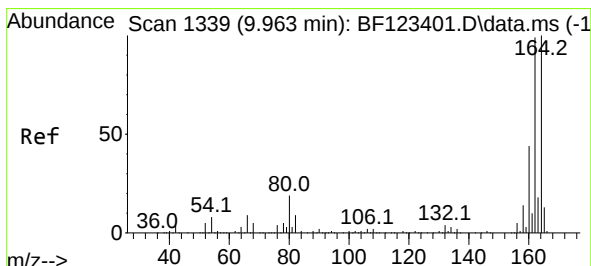
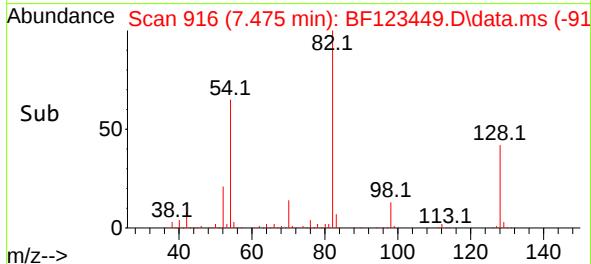
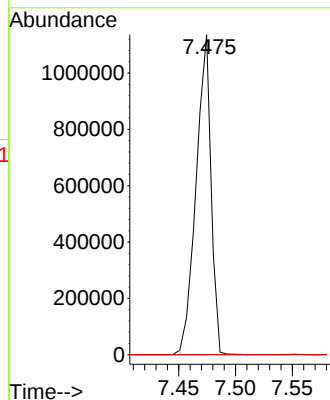
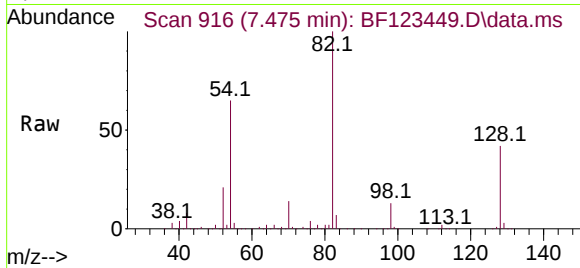




#25
Isophorone
Concen: 32.81 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.265 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

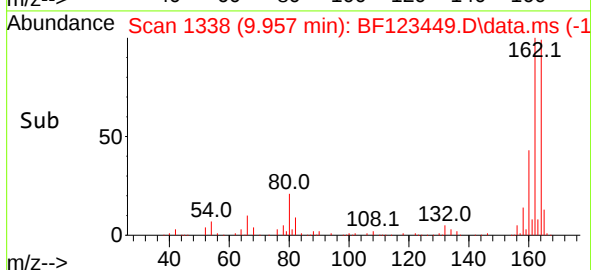
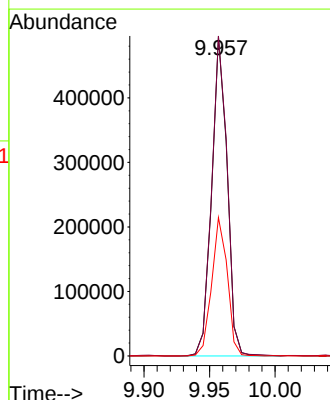
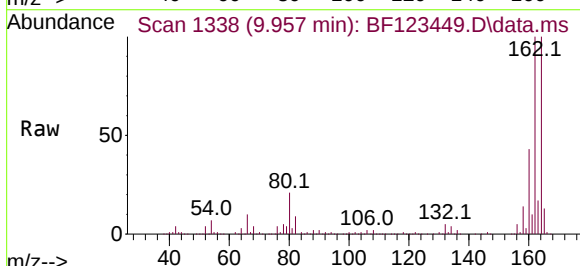
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ClientSampleId :
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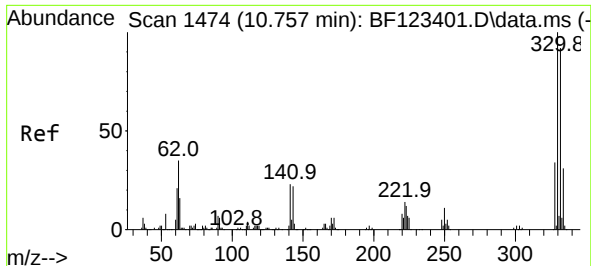
Tgt Ion: 82 Resp: 1035694
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Tgt Ion:164 Resp: 404716
Ion Ratio Lower Upper
164 100
162 100.2 80.8 121.2
160 43.3 35.4 53.0

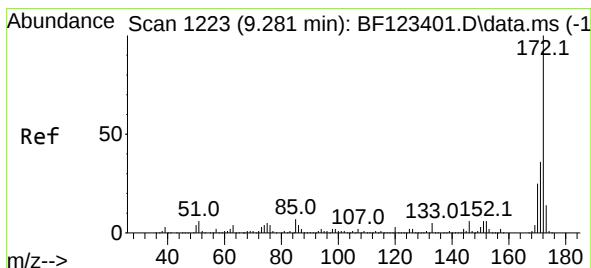
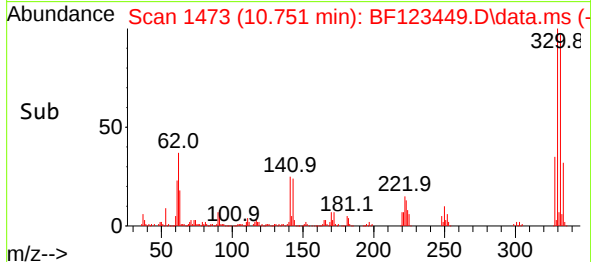
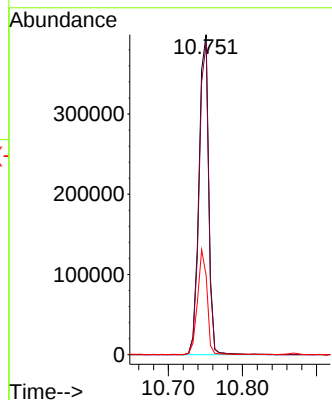
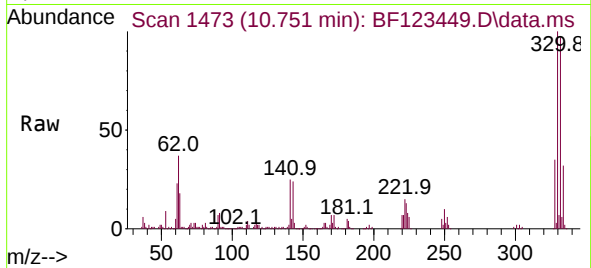




#42
2,4,6-Tribromophenol
Concen: 79.78 ng
RT: 10.751 min Scan# 1473
Delta R.T. -0.006 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

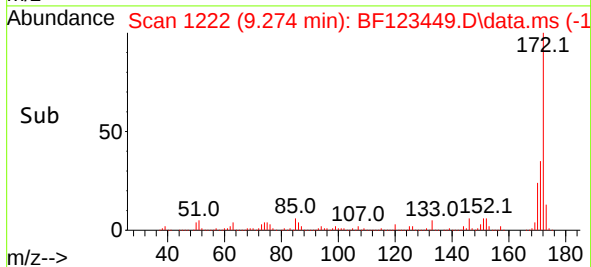
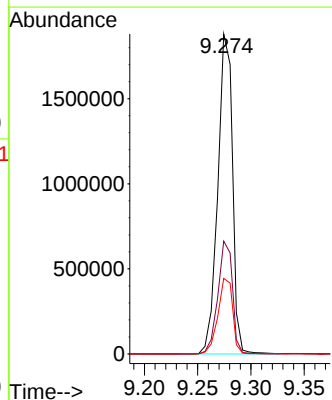
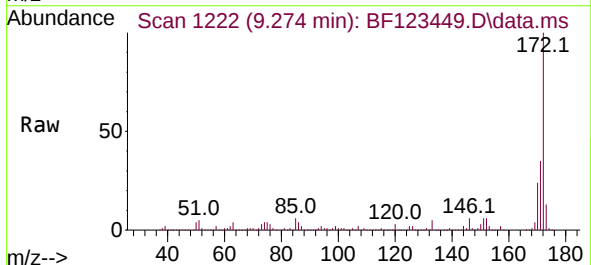
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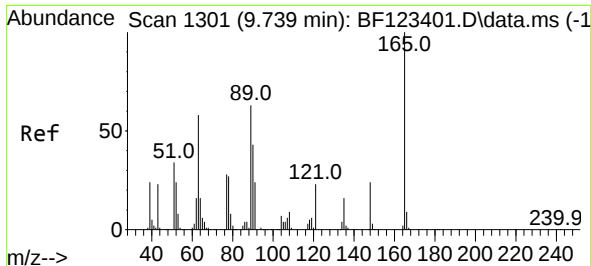
Tgt Ion:330 Resp: 360958
Ion Ratio Lower Upper
330 100
332 95.4 77.5 116.3
141 32.0 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 63.52 ng
RT: 9.274 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Tgt Ion:172 Resp: 1799476
Ion Ratio Lower Upper
172 100
171 35.2 29.6 44.4
170 23.6 19.5 29.3

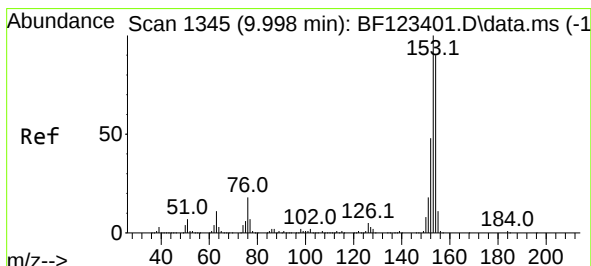
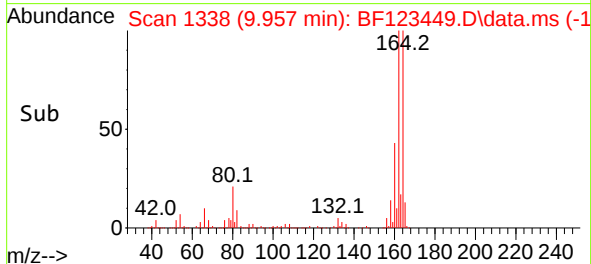
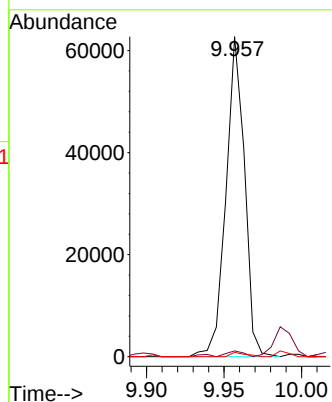
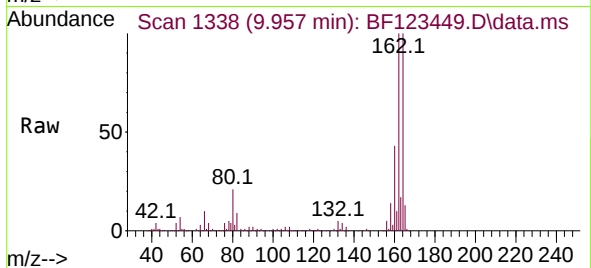




#51
2,6-Dinitrotoluene
Concen: 8.68 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.212 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

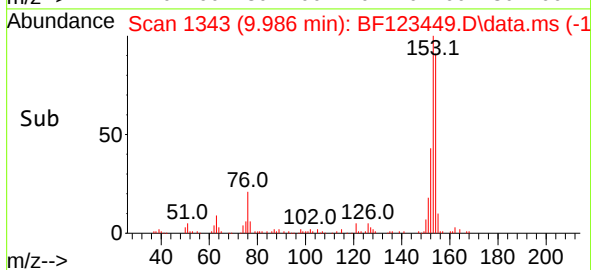
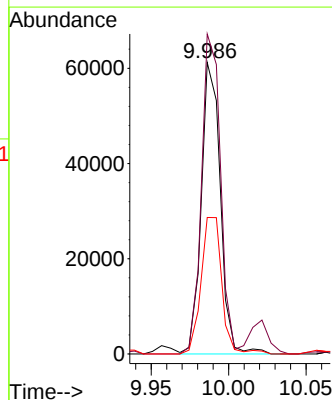
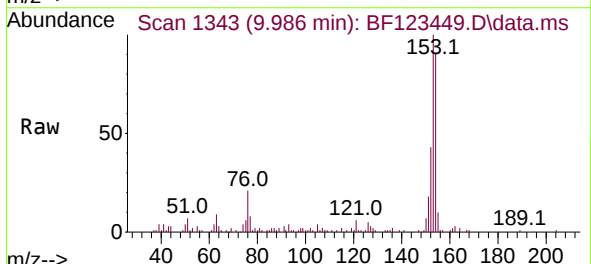
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SB-1A-(0.5-1.0)

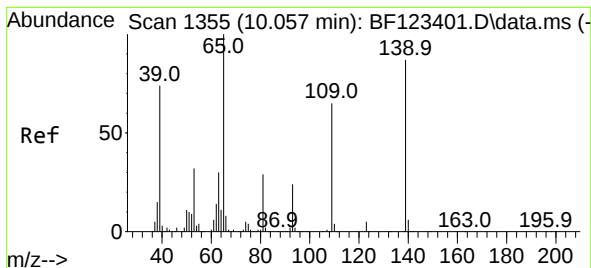
Tgt Ion:165 Resp: 52134
Ion Ratio Lower Upper
165 100
63 1.8 36.6 55.0#
89 1.4 39.4 59.0#



#52
Acenaphthene
Concen: 2.10 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.012 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Tgt Ion:154 Resp: 52218
Ion Ratio Lower Upper
154 100
153 109.8 89.0 133.6
152 46.8 42.7 64.1

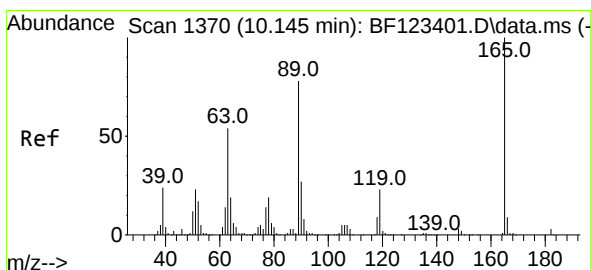
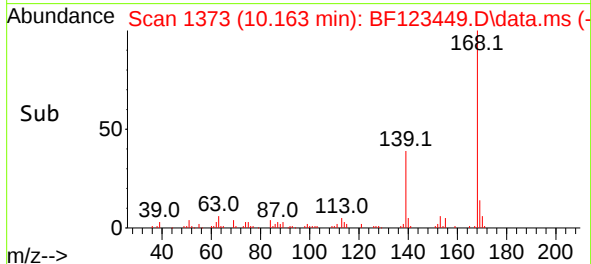
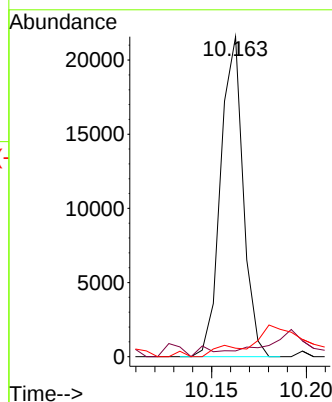
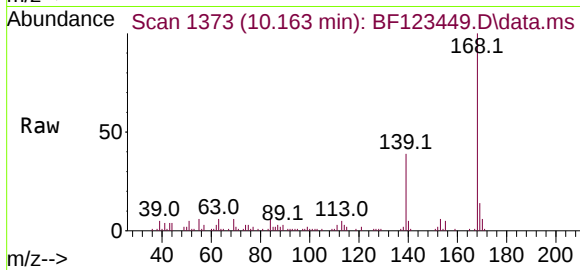




#56
4-Nitrophenol
Concen: 3.48 ng
RT: 10.163 min Scan# 1373
Delta R.T. 0.094 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

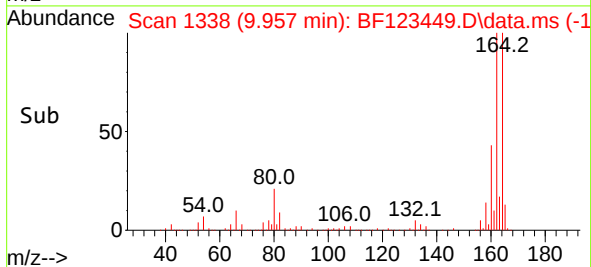
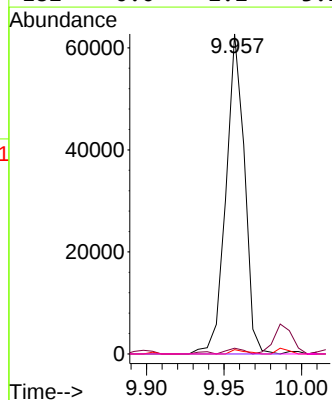
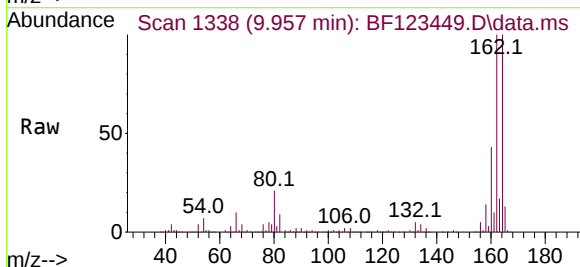
Instrument :
BNA_F
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SB-1A-(0.5-1.0)

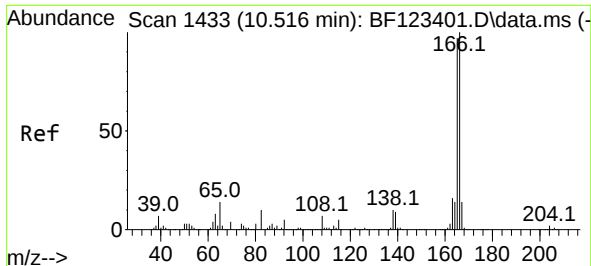
Tgt Ion:139 Resp: 17794
Ion Ratio Lower Upper
139 100
109 1.8 45.1 85.1#
65 2.6 59.2 99.2#



#57
2,4-Dinitrotoluene
Concen: 6.96 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.194 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Tgt Ion:165 Resp: 52134
Ion Ratio Lower Upper
165 100
63 1.8 34.3 51.5#
89 1.4 55.2 82.8#
182 0.0 2.2 3.2#

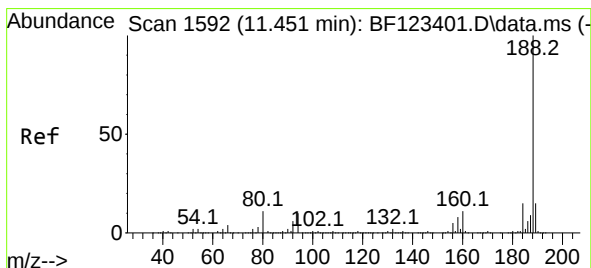
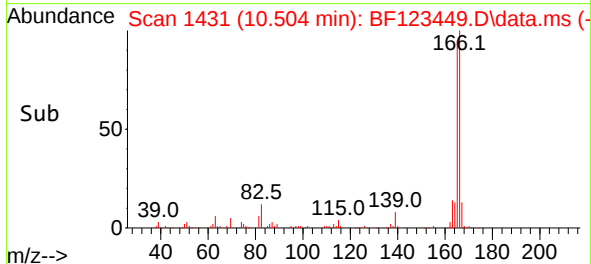
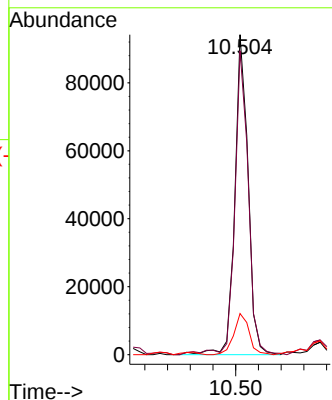
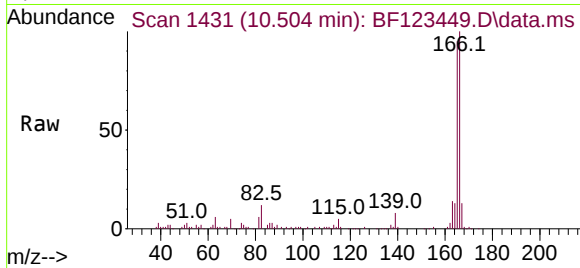




#58
Fluorene
Concen: 2.82 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

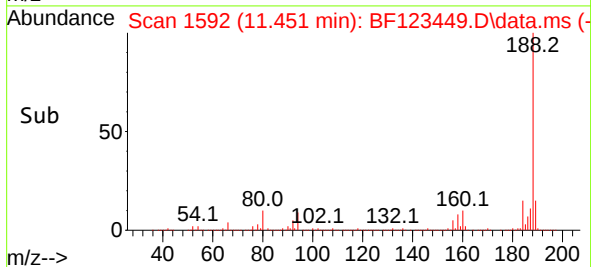
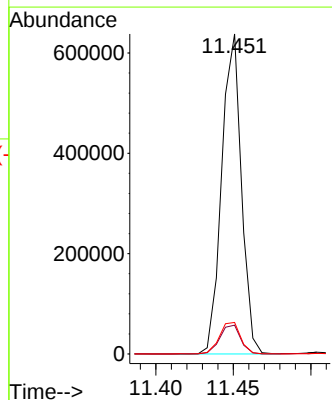
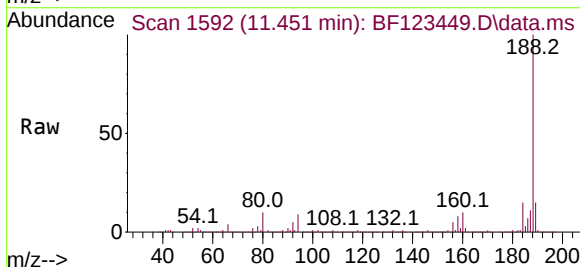
Instrument :
BNA_F
ClientSampleId :
SB-1A-(0.5-1.0)

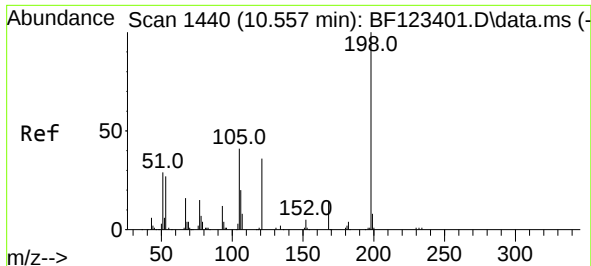
Tgt Ion:166 Resp: 75927
Ion Ratio Lower Upper
166 100
165 95.0 79.4 119.0
167 12.9 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Tgt Ion:188 Resp: 563656
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 9.8 8.2 12.4

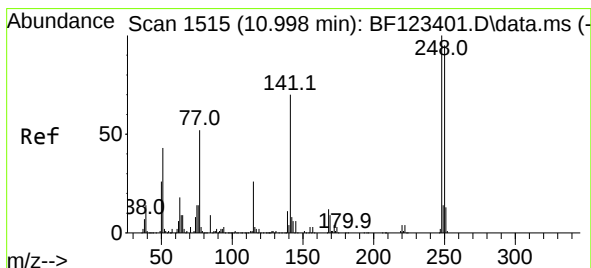
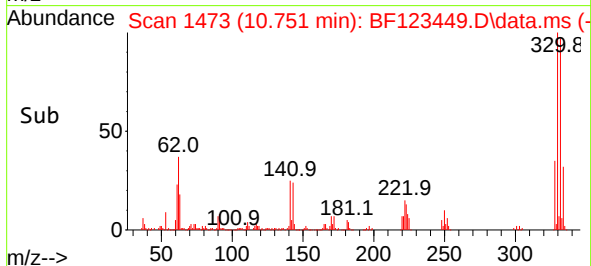
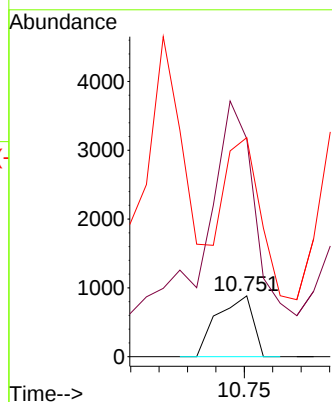
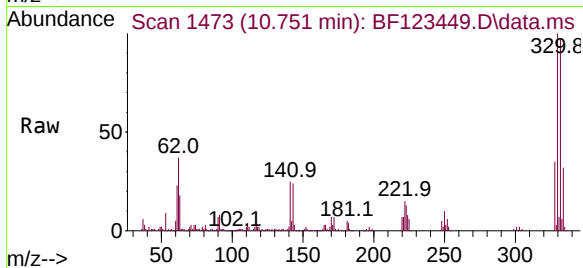




#65
4,6-Dinitro-2-methylphenol
Concen: 5.35 ng
RT: 10.751 min Scan# 1473
Delta R.T. 0.194 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

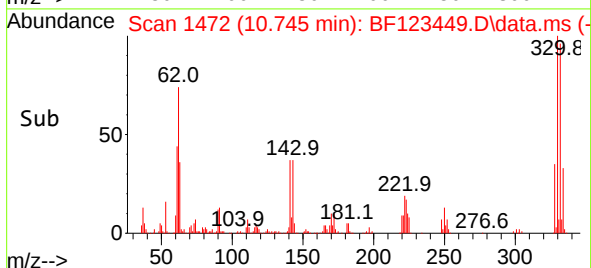
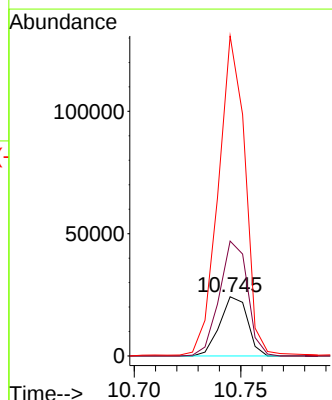
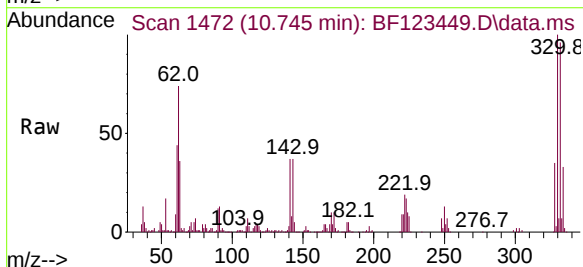
Instrument :
BNA_F
ClientSampleId :
SB-1A-(0.5-1.0)

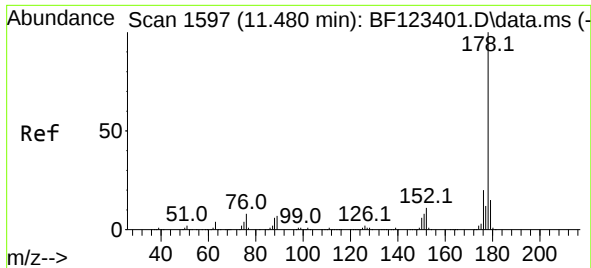
Tgt Ion:198 Resp: 770
Ion Ratio Lower Upper
198 100
51 358.8 20.3 60.3#
105 360.6 23.0 63.0#



#67
4-Bromophenyl-phenylether
Concen: 3.29 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.253 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Tgt Ion:248 Resp: 21992
Ion Ratio Lower Upper
248 100
250 193.9 76.8 115.2#
141 539.7 59.8 89.8#

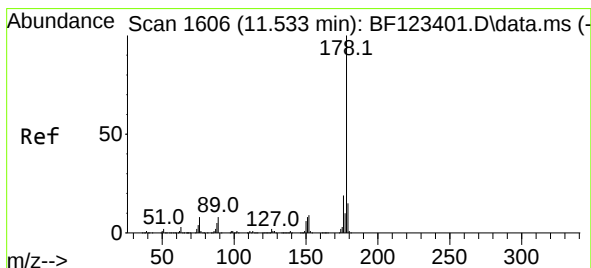
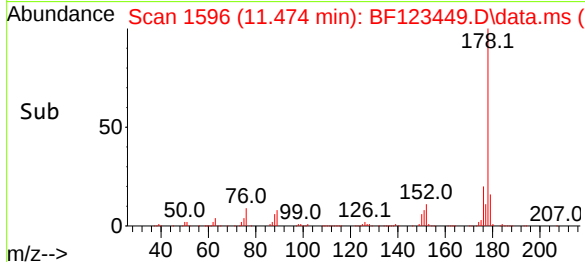
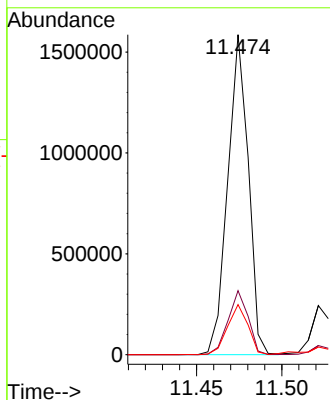
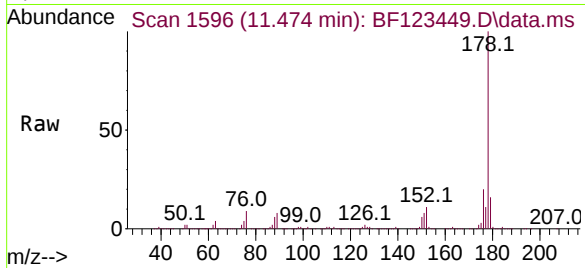




#71
Phenanthrene
Concen: 42.80 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

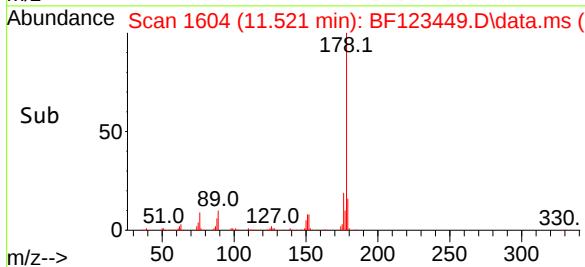
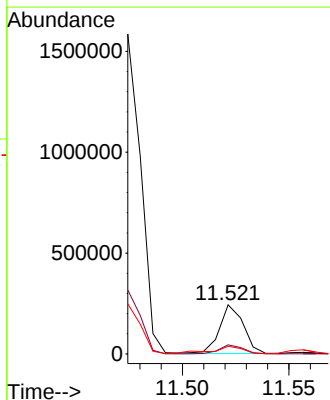
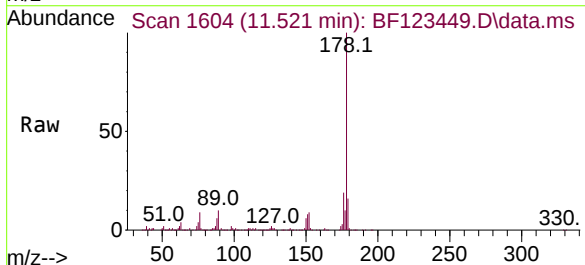
Instrument :
BNA_F
ClientSampleId :
SB-1A-(0.5-1.0)

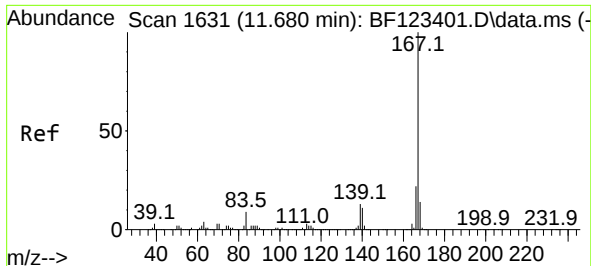
Tgt Ion:178 Resp: 1333526
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.2
179 15.6 12.7 19.1



#72
Anthracene
Concen: 6.04 ng
RT: 11.521 min Scan# 1604
Delta R.T. -0.012 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Tgt Ion:178 Resp: 189164
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.6 12.8 19.2

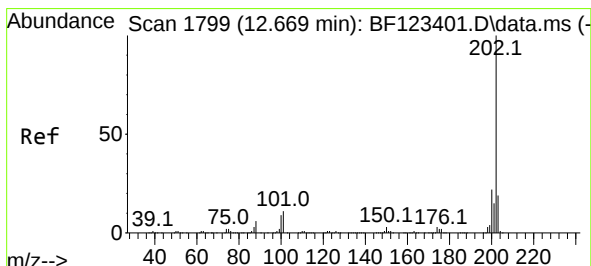
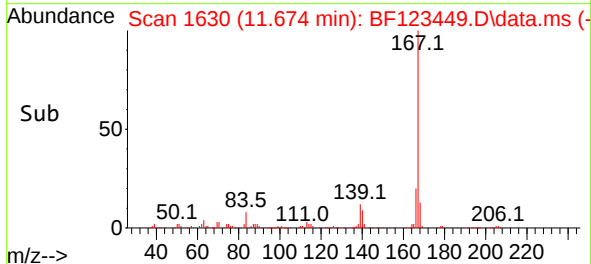
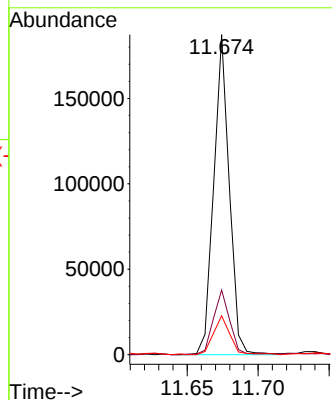
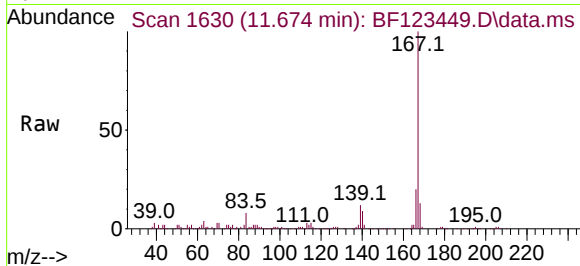




#73
 Carbazole
 Concen: 4.80 ng
 RT: 11.674 min Scan# 1630
 Delta R.T. -0.012 min
 Lab File: BF123449.D
 Acq: 24 Mar 2021 20:30

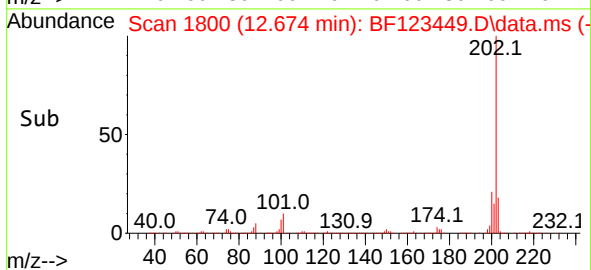
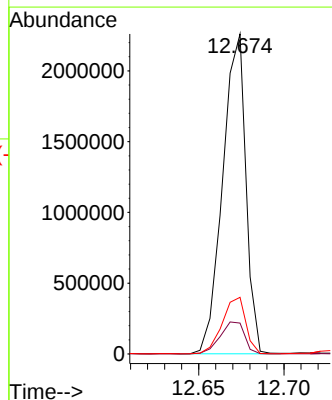
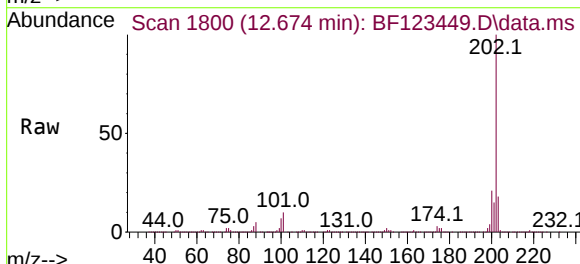
Instrument :
 BNA_F
 ClientSampleId :
 SB-1A-(0.5-1.0)

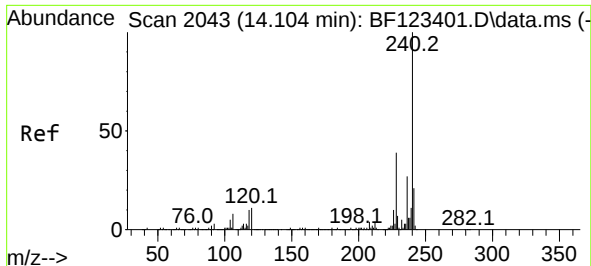
Tgt Ion:167 Resp: 142242
 Ion Ratio Lower Upper
 167 100
 166 20.2 18.0 27.0
 139 12.2 10.9 16.3



#75
 Fluoranthene
 Concen: 63.45 ng
 RT: 12.674 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: BF123449.D
 Acq: 24 Mar 2021 20:30

Tgt Ion:202 Resp: 2140579
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 32.2
 203 17.7 0.0 38.1

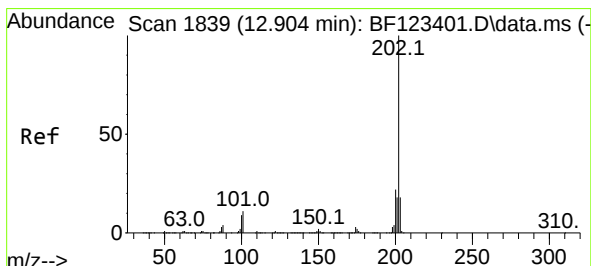
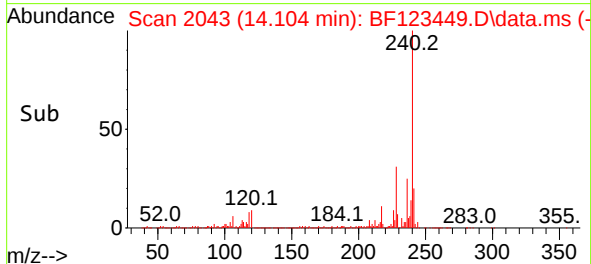
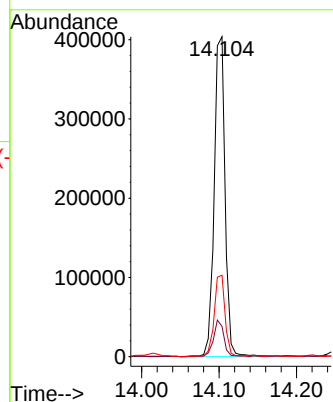
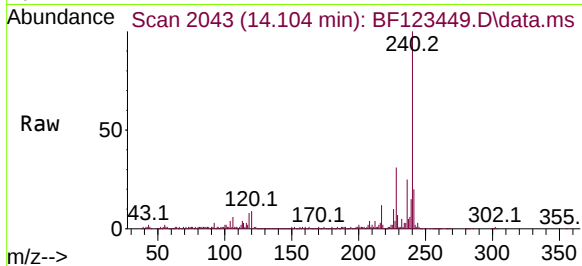




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

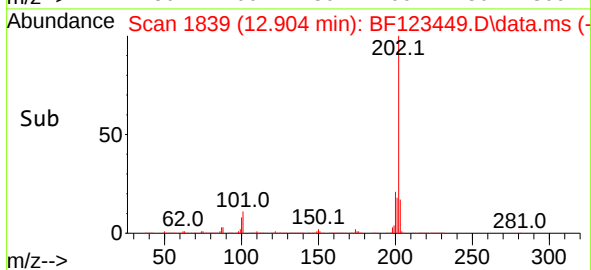
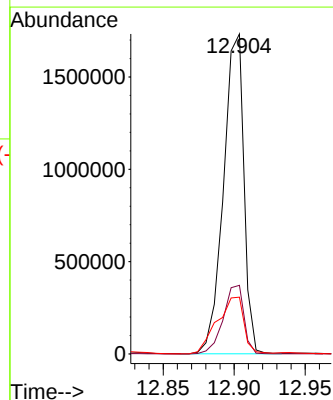
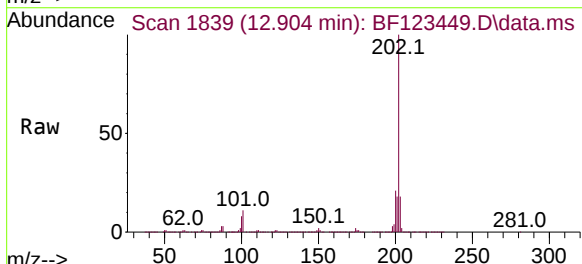
Instrument :
BNA_F
ClientSampleId :
SB-1A-(0.5-1.0)

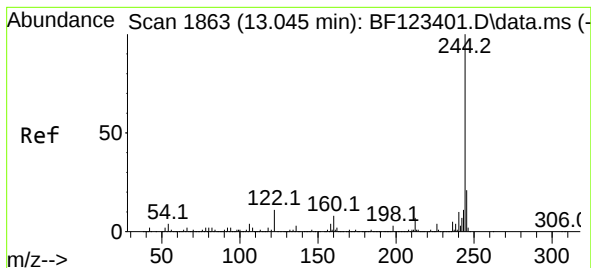
Tgt Ion:240 Resp: 395149
Ion Ratio Lower Upper
240 100
120 9.5 8.6 12.8
236 25.4 20.3 30.5



#78
Pyrene
Concen: 50.86 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Tgt Ion:202 Resp: 1733533
Ion Ratio Lower Upper
202 100
200 21.4 17.6 26.4
203 17.7 14.6 21.8





#79

Terphenyl-d14

Concen: 52.93 ng

RT: 13.039 min Scan# 1862

Delta R.T. -0.012 min

Lab File: BF123449.D

Acq: 24 Mar 2021 20:30

Instrument :

BNA_F

ClientSampleId :

SB-1A-(0.5-1.0)

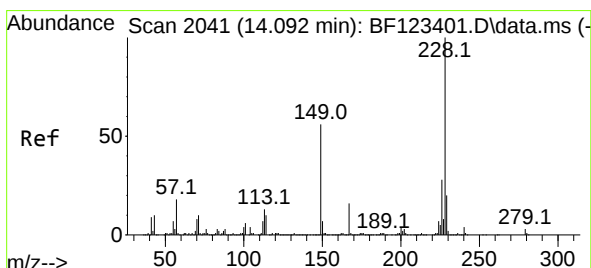
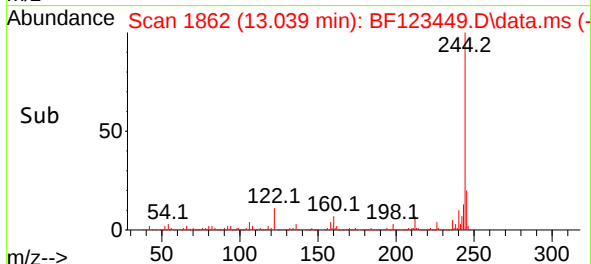
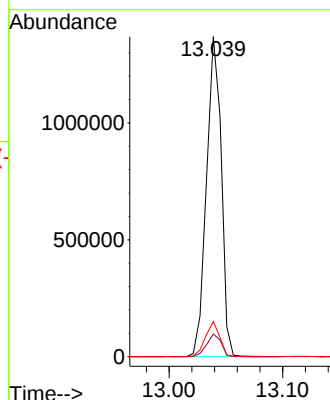
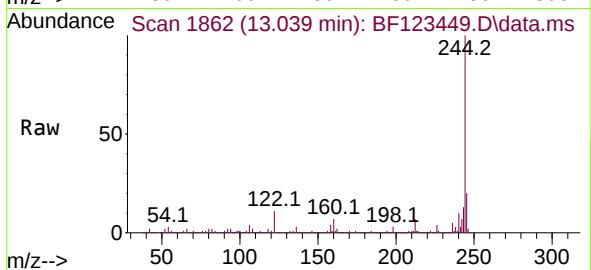
Tgt Ion:244 Resp: 1234220

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 11.0 8.3 12.5



#81

Benzo(a)anthracene

Concen: 31.38 ng

RT: 14.092 min Scan# 2041

Delta R.T. -0.006 min

Lab File: BF123449.D

Acq: 24 Mar 2021 20:30

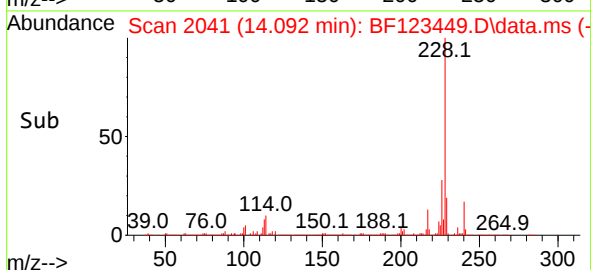
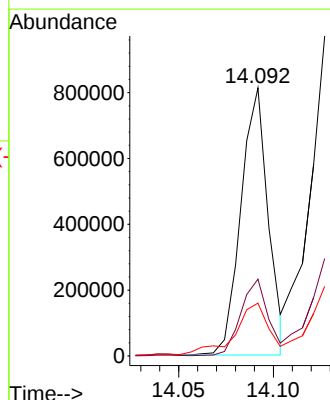
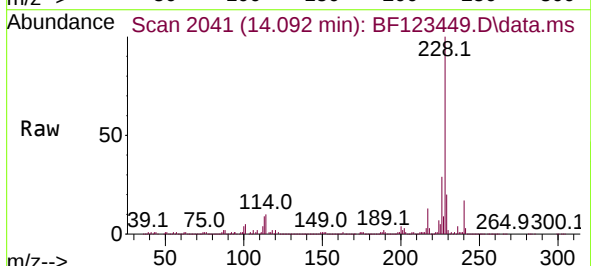
Tgt Ion:228 Resp: 811496

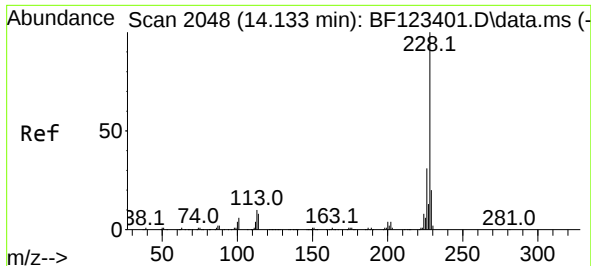
Ion Ratio Lower Upper

228 100

226 28.7 23.0 34.4

229 19.7 16.6 24.8

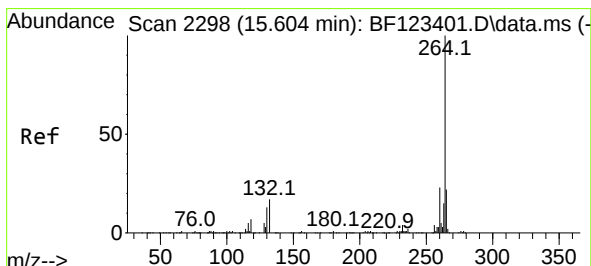
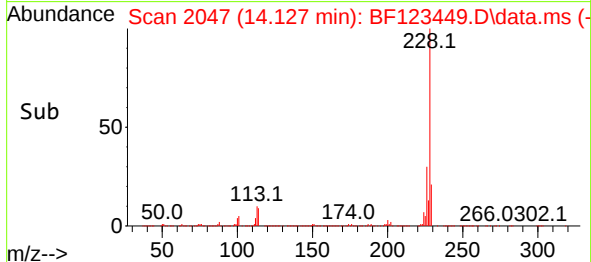
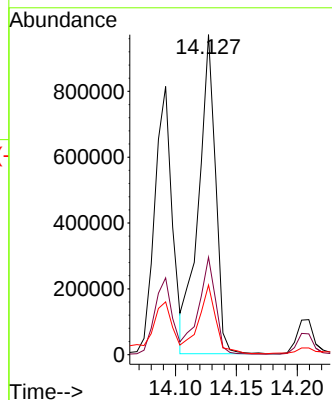
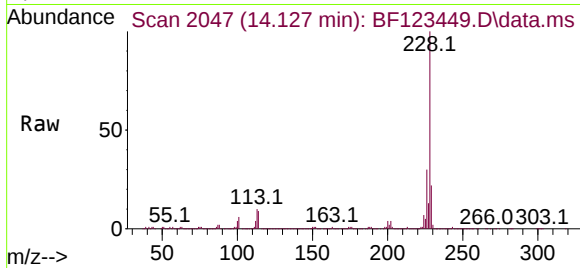




#83
Chrysene
Concen: 35.15 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

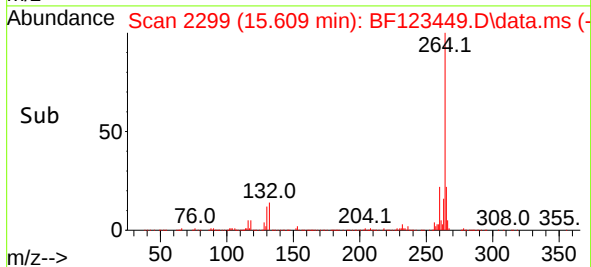
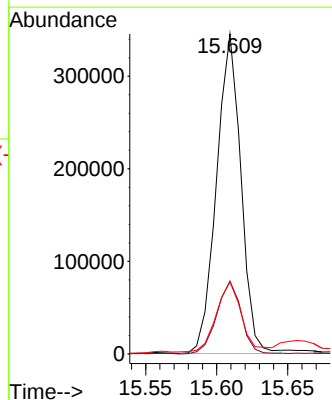
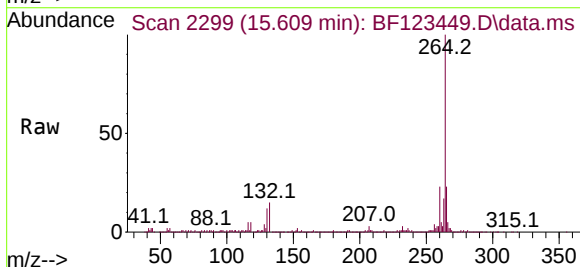
Instrument :
BNA_F
ClientSampleId :
SB-1A-(0.5-1.0)

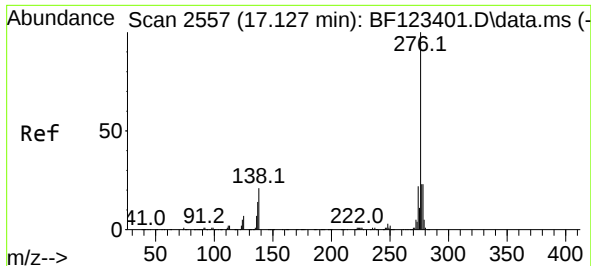
Tgt Ion:228 Resp: 938497
Ion Ratio Lower Upper
228 100
226 30.4 24.6 36.8
229 21.8 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.609 min Scan# 2299
Delta R.T. -0.000 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Tgt Ion:264 Resp: 412242
Ion Ratio Lower Upper
264 100
260 22.7 18.6 28.0
265 22.5 17.0 25.6

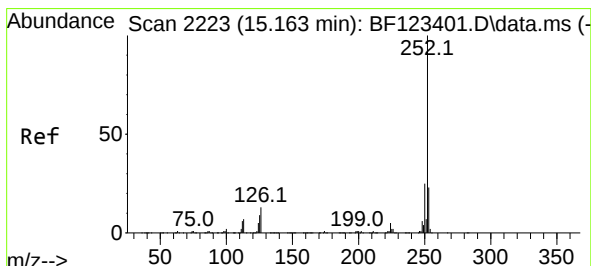
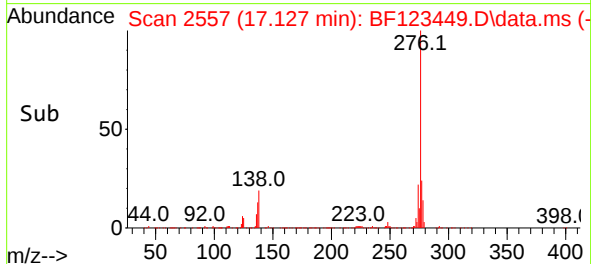
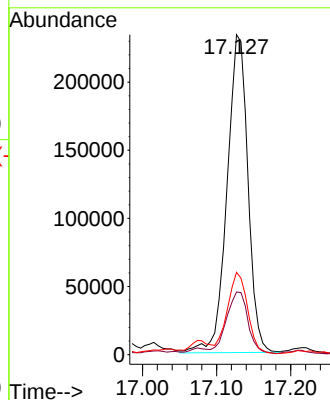
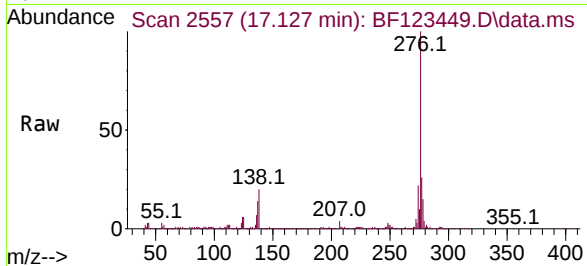




#87
Indeno(1,2,3-cd)pyrene
Concen: 17.84 ng
RT: 17.127 min Scan# 2557
Delta R.T. -0.006 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

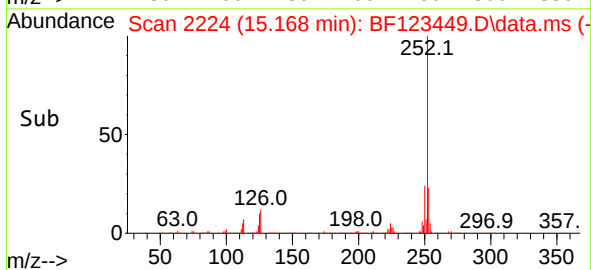
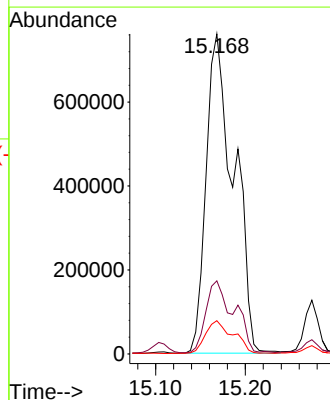
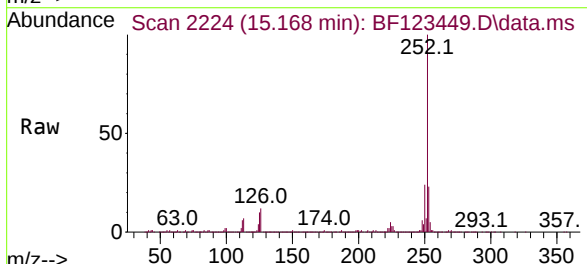
Instrument :
BNA_F
ClientSampleId :
SB-1A-(0.5-1.0)

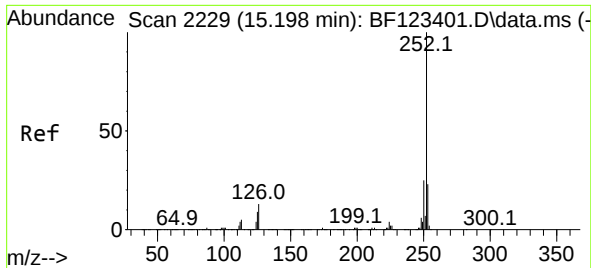
Tgt Ion:276 Resp: 456950
Ion Ratio Lower Upper
276 100
138 20.0 18.7 28.1
277 24.4 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 57.54 ng
RT: 15.168 min Scan# 2224
Delta R.T. -0.000 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Tgt Ion:252 Resp: 1636550
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 10.4 8.1 12.1

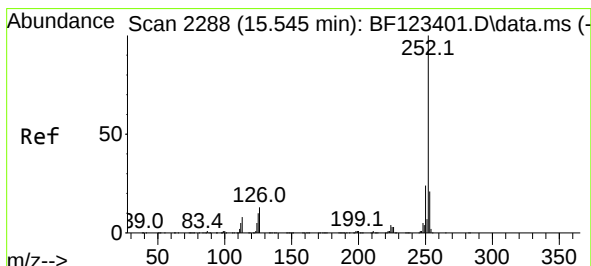
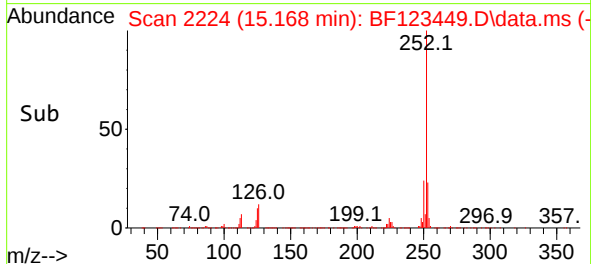
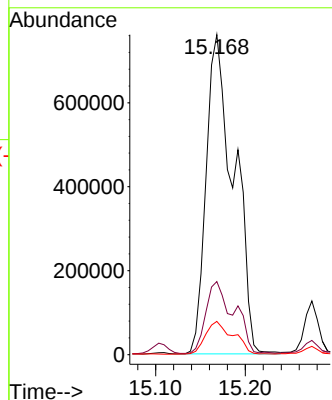
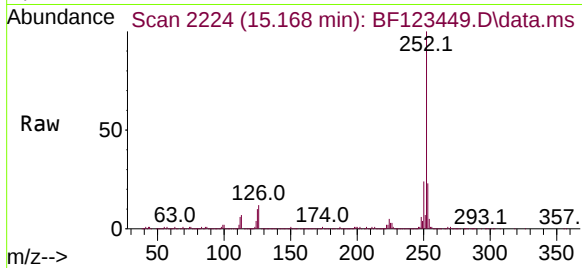




#89
Benzo(k)fluoranthene
Concen: 60.87 ng
RT: 15.168 min Scan# 2224
Delta R.T. -0.030 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

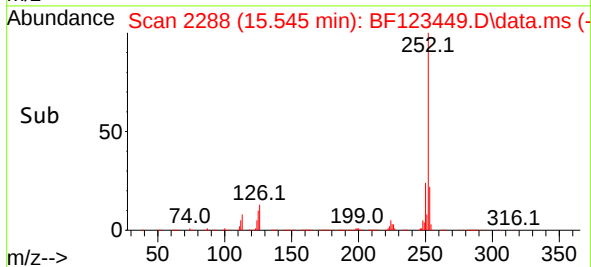
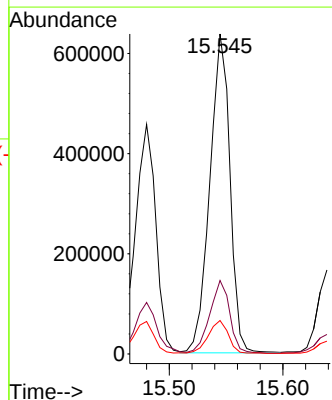
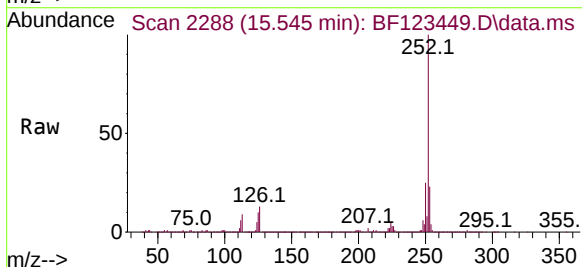
Instrument :
BNA_F
ClientSampleId :
SB-1A-(0.5-1.0)

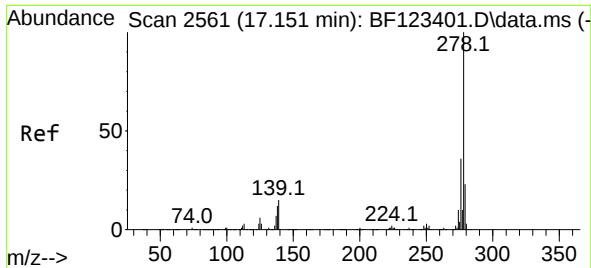
Tgt Ion:252 Resp: 1636550
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 10.4 8.4 12.6



#90
Benzo(a)pyrene
Concen: 31.96 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.000 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Tgt Ion:252 Resp: 784662
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.5 8.6 12.8

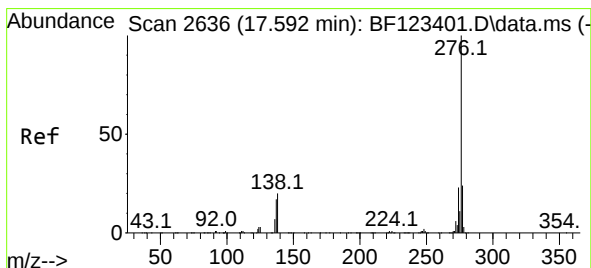
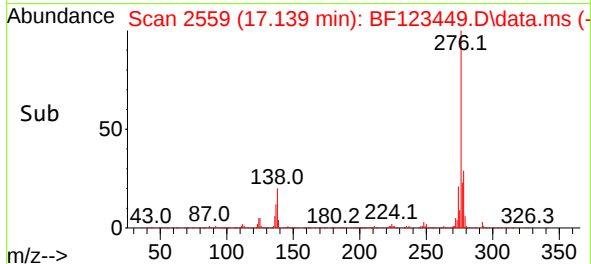
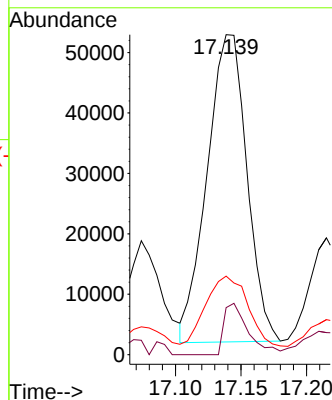
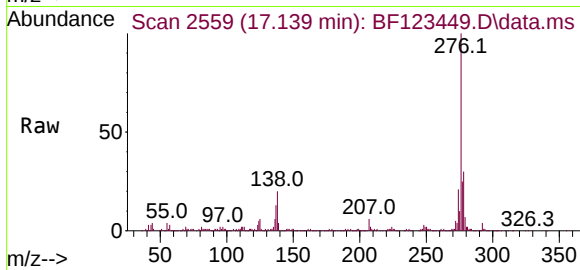




#91
Dibenzo(a,h)anthracene
Concen: 4.94 ng
RT: 17.139 min Scan# 2559
Delta R.T. -0.018 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Instrument :
BNA_F
ClientSampled :
SB-1A-(0.5-1.0)

Tgt Ion:278 Resp: 107362
Ion Ratio Lower Upper
278 100
139 14.7 12.0 18.0
279 24.6 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 18.73 ng
RT: 17.592 min Scan# 2636
Delta R.T. -0.006 min
Lab File: BF123449.D
Acq: 24 Mar 2021 20:30

Tgt Ion:276 Resp: 407850
Ion Ratio Lower Upper
276 100
277 24.6 19.3 28.9
138 20.0 16.6 24.8

