

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033021\
 Data File : BF123532.D
 Acq On : 30 Mar 2021 20:56
 Operator : JU/CG
 Sample : M1832-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IG004

Quant Time: Mar 31 04:10:15 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 30 11:51:25 2021
 Response via : Initial Calibration

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

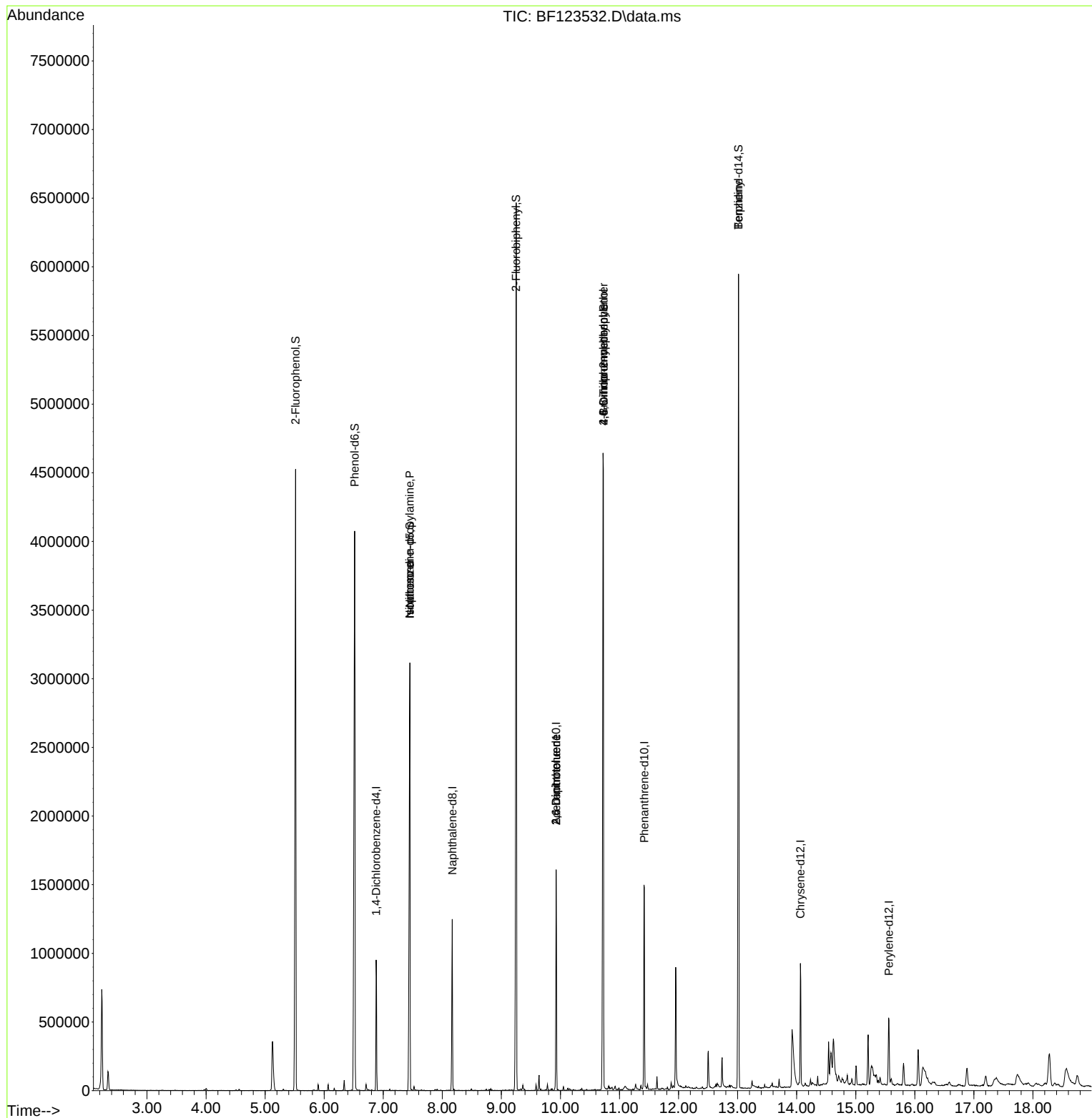
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	129354	20.00	ng	0.00
21) Naphthalene-d8	8.169	136	487184	20.00	ng	# 0.00
39) Acenaphthene-d10	9.928	164	308634	20.00	ng	0.00
64) Phenanthrene-d10	11.422	188	564904	20.00	ng	# 0.00
76) Chrysene-d12	14.063	240	307765	20.00	ng	#-0.01
86) Perylene-d12	15.563	264	242203	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1166712	147.55	ng	0.01
7) Phenol-d6	6.516	99	1535371	145.87	ng	0.00
23) Nitrobenzene-d5	7.451	82	1072623	118.83	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	675367	195.73	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	2062283	95.46	ng	0.00
79) Terphenyl-d14	13.016	244	2164559	119.20	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.428	77	183	Below Cal	#	84
19) n-Nitroso-di-n-propyla...	7.451	70	154685	22.72	ng	# 81
25) Isophorone	7.451	82	1059129	54.57	ng	# 65
51) 2,6-Dinitrotoluene	9.928	165	39132	8.55	ng	# 31
57) 2,4-Dinitrotoluene	9.928	165	39132	6.85	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.728	198	1462	5.55	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	39062	5.84	ng	# 1
77) Benzidine	13.016	184	30040	3.28	ng	97

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

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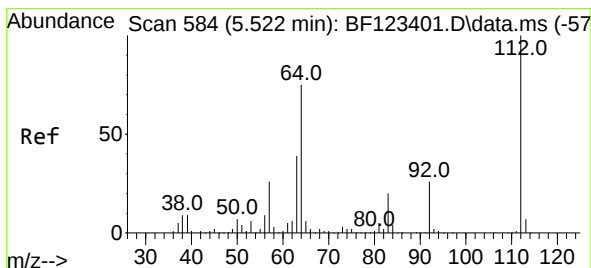
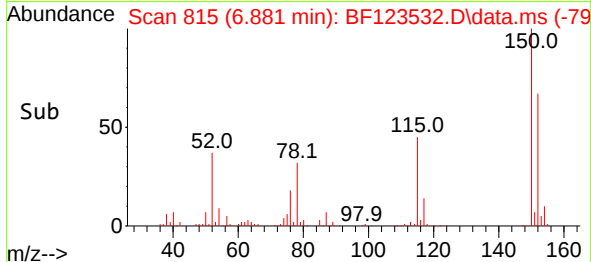
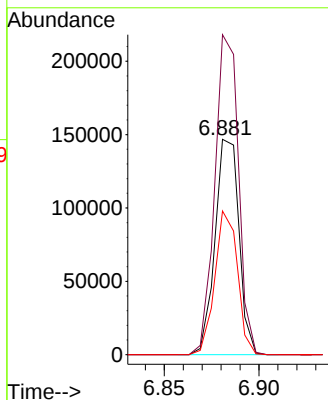
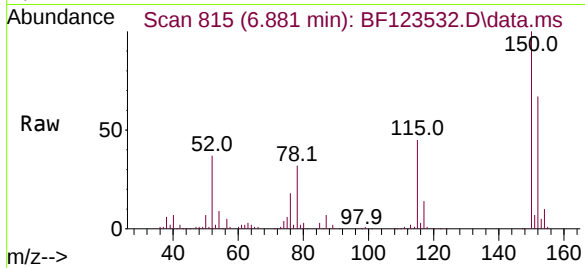




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.881 min Scan# 815
Delta R.T. -0.006 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

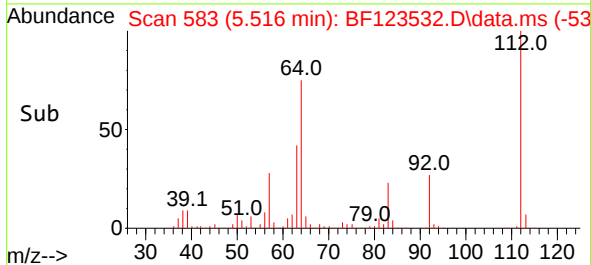
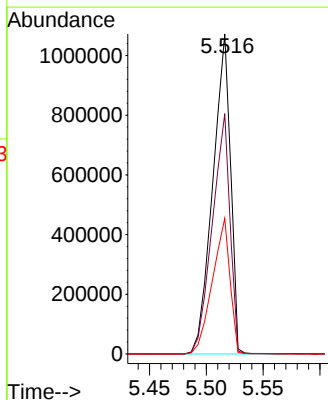
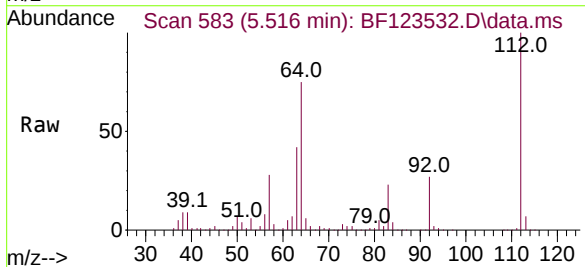
Instrument :
BNA_F
ClientSampleId :
IG004

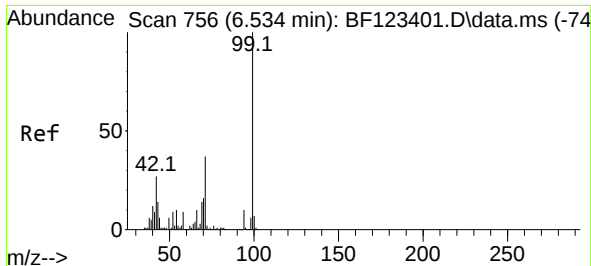
Tgt Ion:152 Resp: 129354
Ion Ratio Lower Upper
152 100
150 148.6 125.8 188.6
115 66.7 49.3 73.9



#5
2-Fluorophenol
Concen: 147.55 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.012 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

Tgt Ion:112 Resp: 1166712
Ion Ratio Lower Upper
112 100
64 75.1 46.9 70.3#
63 42.4 24.5 36.7#

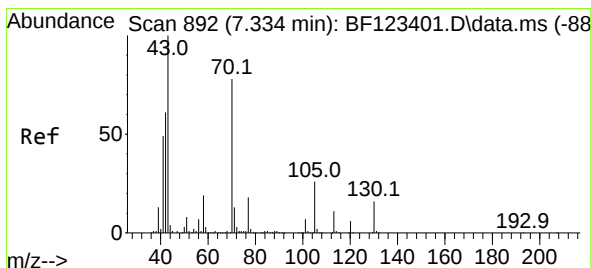
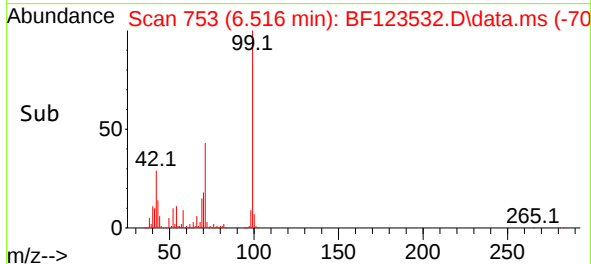
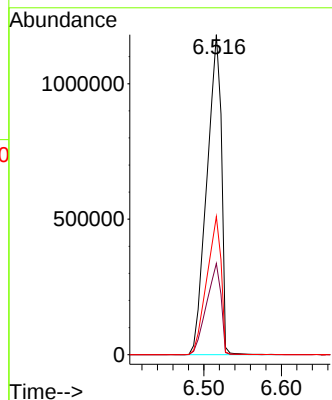
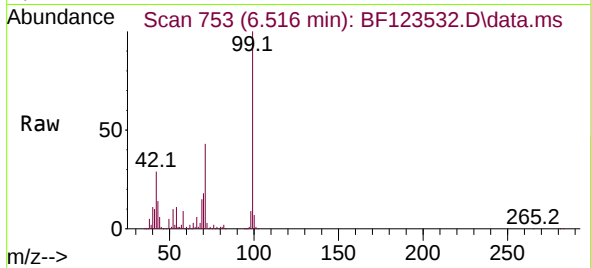




#7
Phenol-d6
Concen: 145.87 ng
RT: 6.516 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

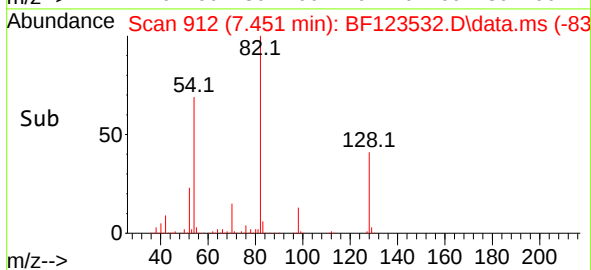
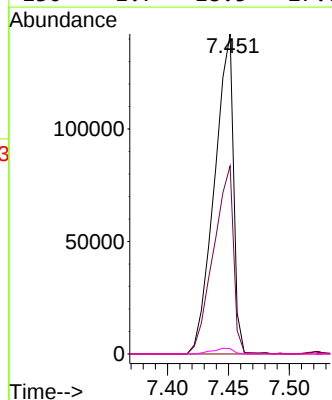
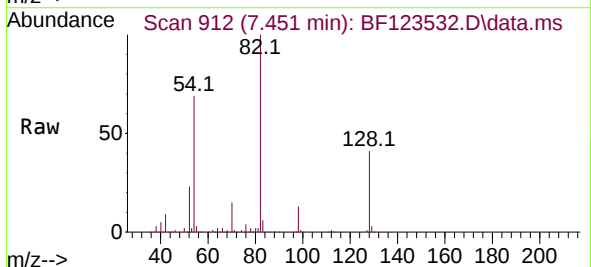
Instrument :
BNA_F
ClientSampleId :
IG004

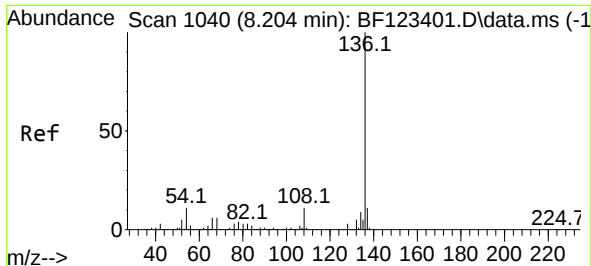
Tgt Ion: 99 Resp: 1535371
Ion Ratio Lower Upper
99 100
42 28.5 13.8 20.6#
71 43.2 26.9 40.3#



#19
n-Nitroso-di-n-propylamine
Concen: 22.72 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

Tgt Ion: 70 Resp: 154685
Ion Ratio Lower Upper
70 100
42 58.8 43.0 64.4
101 0.0 7.9 11.9#
130 1.7 18.5 27.7#

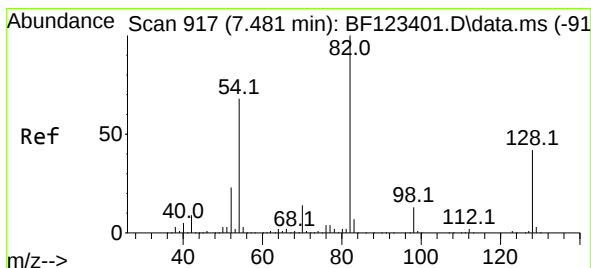
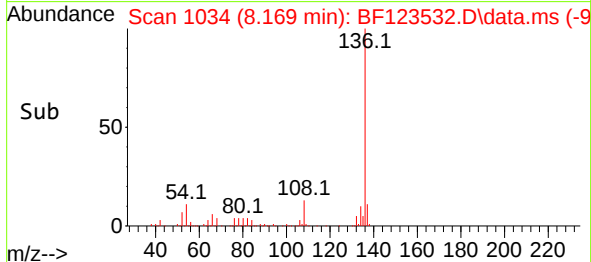
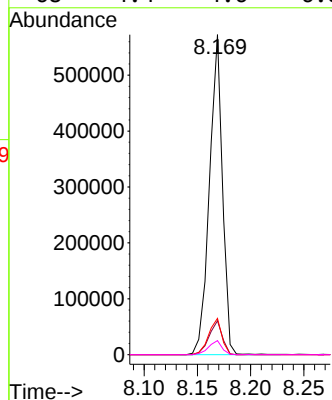
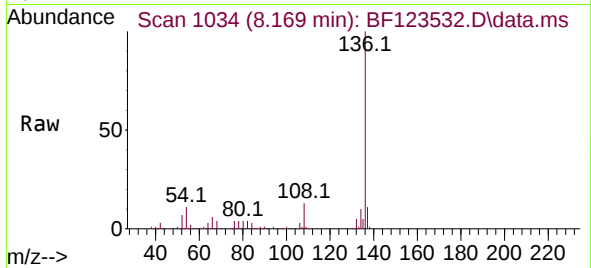




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

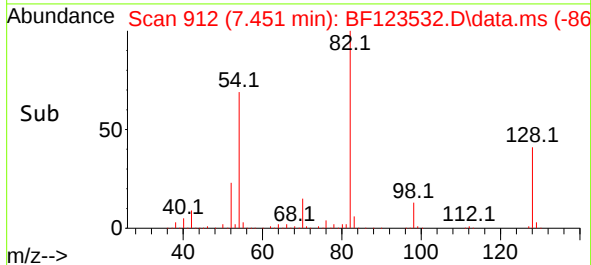
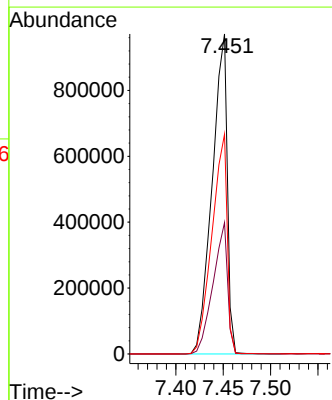
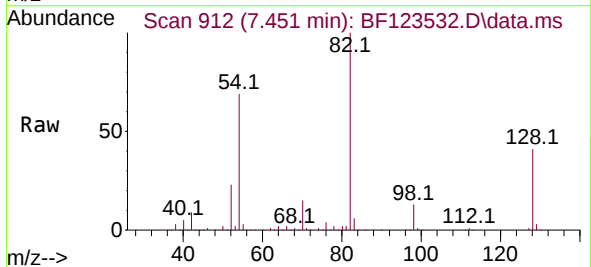
Instrument :
BNA_F
ClientSampleId :
IG004

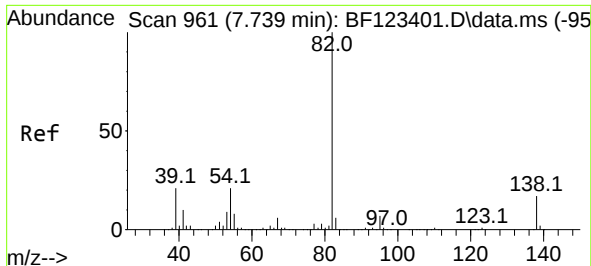
Tgt Ion:136	Resp: 487184
Ion Ratio	Lower Upper
136 100	
137 10.6	8.8 13.2
54 11.4	5.5 8.3#
68 4.4	4.6 6.8#



#23
Nitrobenzene-d5
Concen: 118.83 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

Tgt Ion: 82	Resp: 1072623
Ion Ratio	Lower Upper
82 100	
128 41.1	37.0 55.4
54 68.6	38.4 57.6#

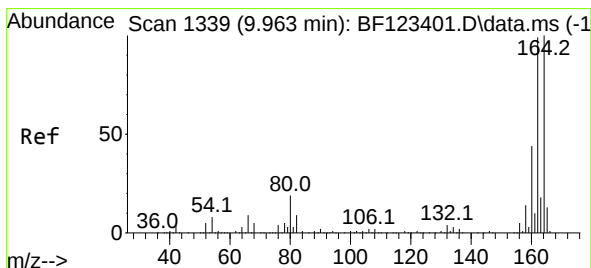
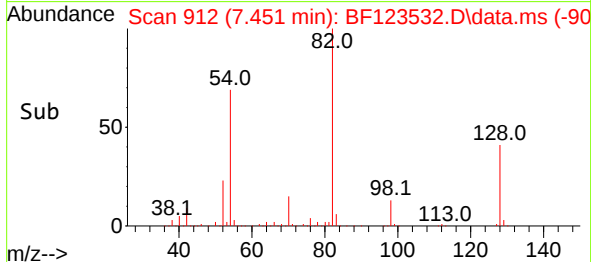
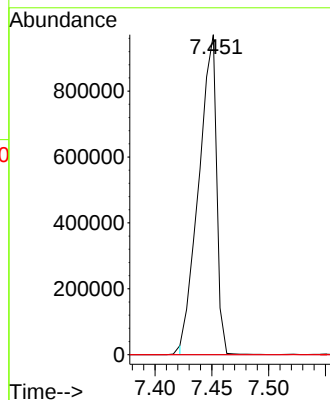
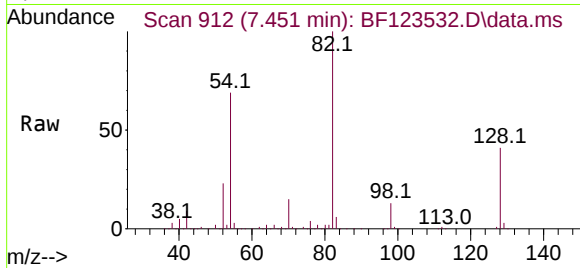




#25
Isophorone
Concen: 54.57 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.265 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

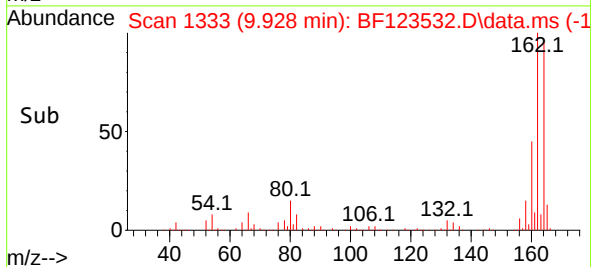
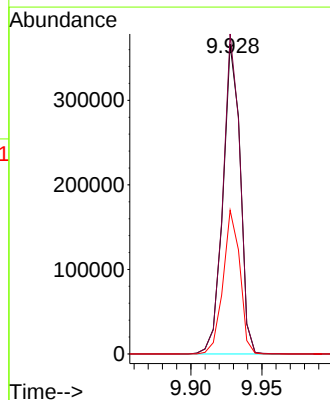
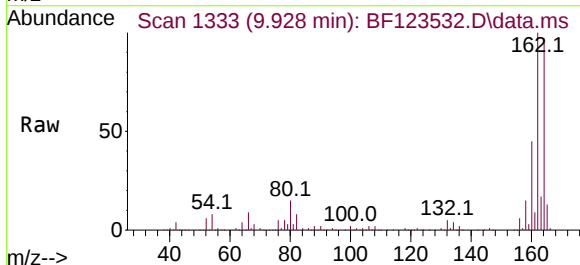
Instrument :
BNA_F
ClientSampleId :
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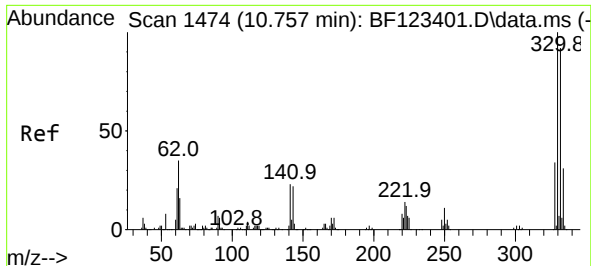
Tgt Ion: 82 Resp: 1059129
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

Tgt Ion: 164 Resp: 308634
Ion Ratio Lower Upper
164 100
162 103.3 80.8 121.2
160 46.4 35.4 53.0

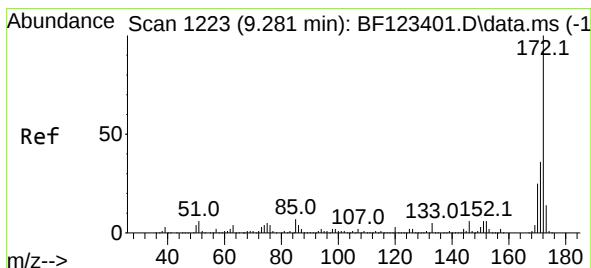
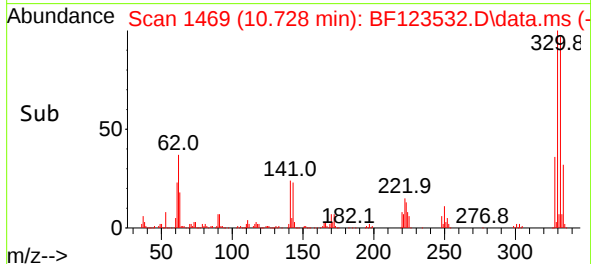
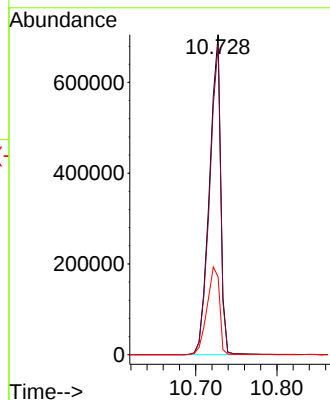
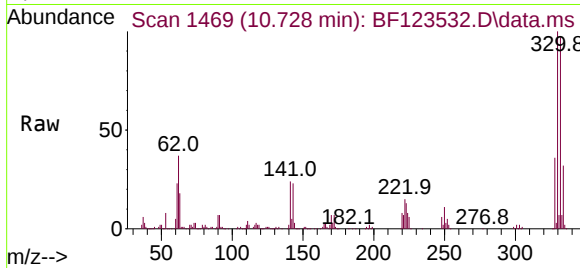




#42
2,4,6-Tribromophenol
Concen: 195.73 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

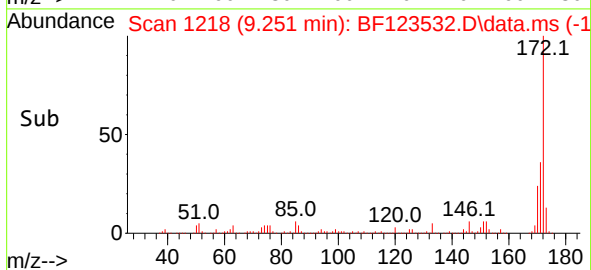
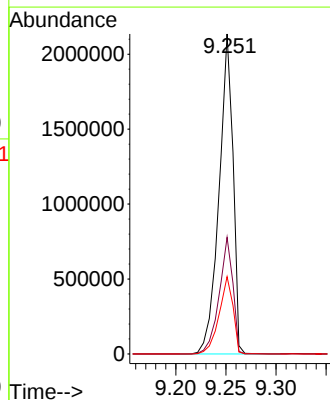
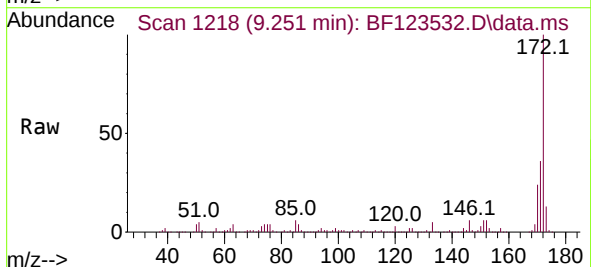
Instrument :
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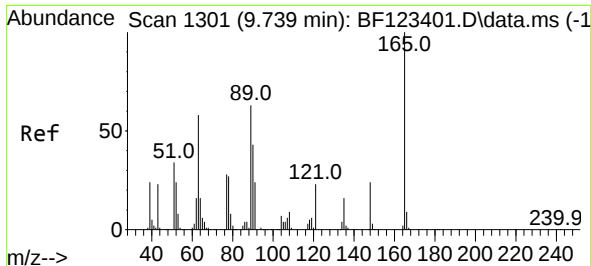
Tgt Ion: 330 Resp: 675367
Ion Ratio Lower Upper
330 100
332 95.9 77.5 116.3
141 30.5 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 95.46 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

Tgt Ion: 172 Resp: 2062283
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.1 19.5 29.3

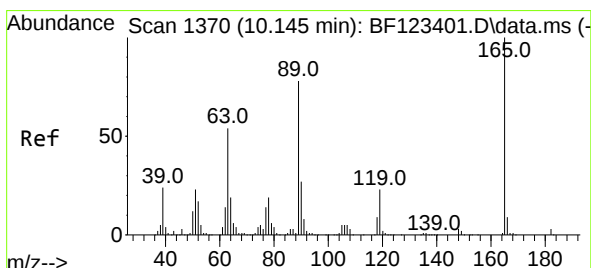
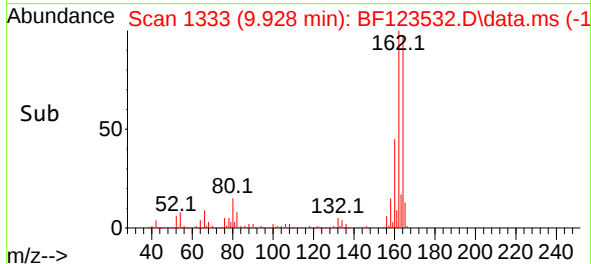
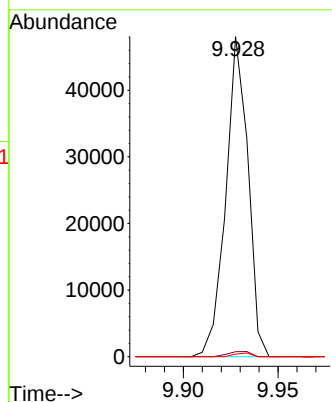
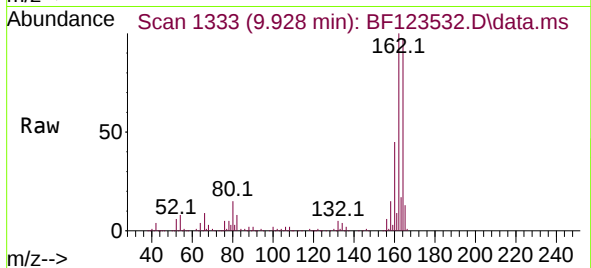




#51
2,6-Dinitrotoluene
Concen: 8.55 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.212 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

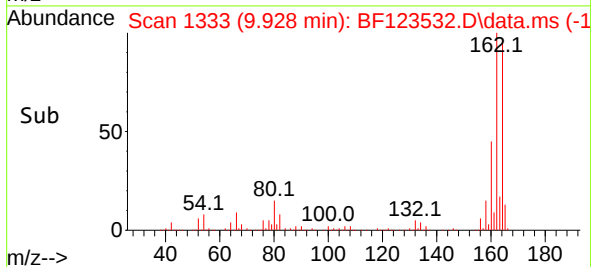
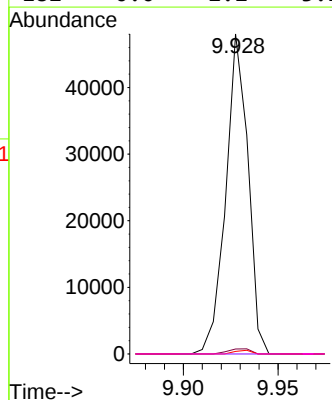
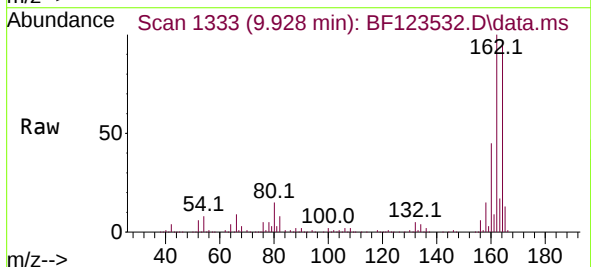
Instrument :
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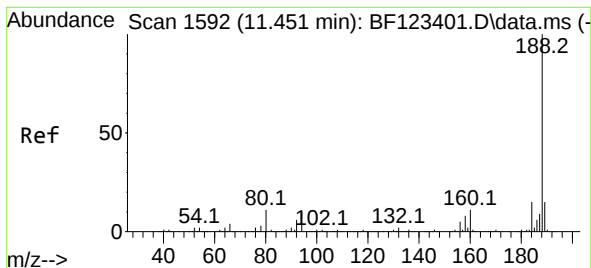
Tgt Ion:165 Resp: 39132
Ion Ratio Lower Upper
165 100
63 1.6 36.6 55.0#
89 0.8 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 6.85 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.194 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

Tgt Ion:165 Resp: 39132
Ion Ratio Lower Upper
165 100
63 1.6 34.3 51.5#
89 0.8 55.2 82.8#
182 0.0 2.2 3.2#

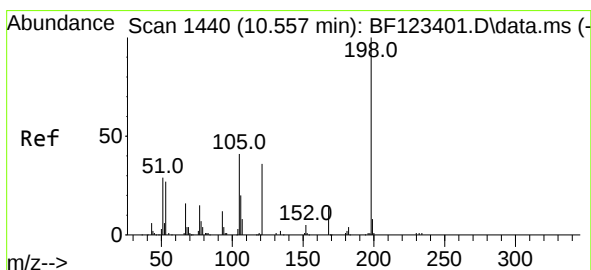
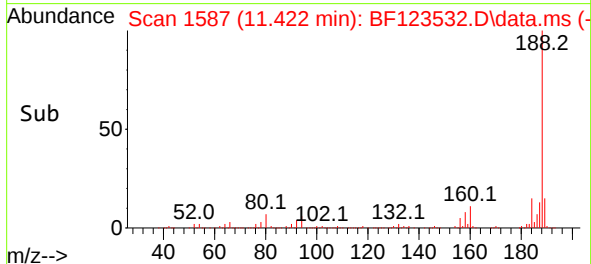
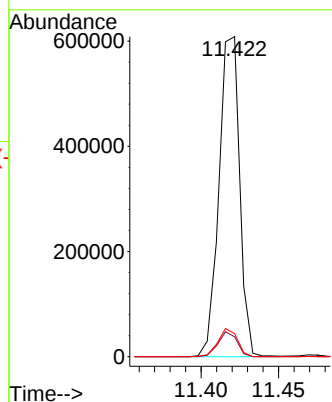
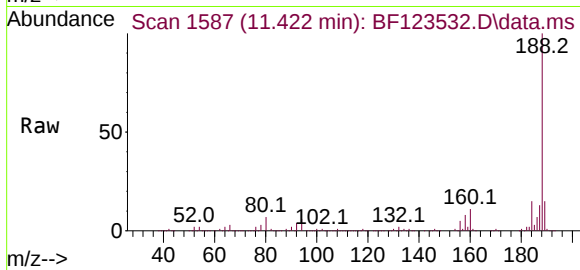




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.422 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

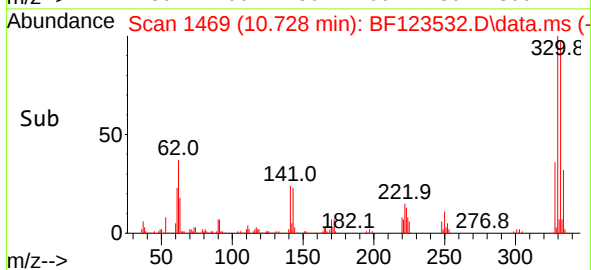
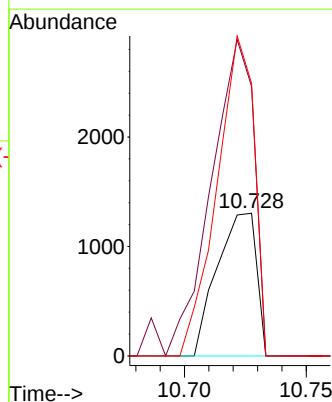
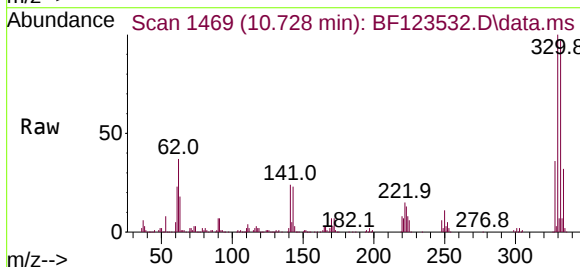
Instrument :
BNA_F
ClientSampleId :
IG004

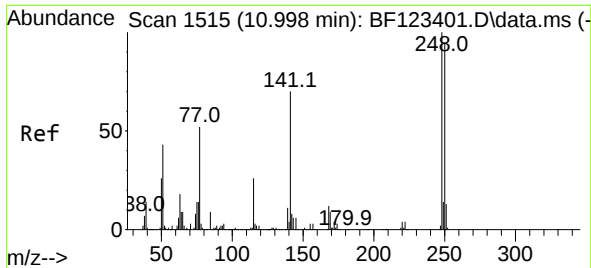
Tgt Ion:188 Resp: 564904
Ion Ratio Lower Upper
188 100
94 6.2 7.4 11.2#
80 7.2 8.2 12.4#



#65
4,6-Dinitro-2-methylphenol
Concen: 5.55 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.194 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

Tgt Ion:198 Resp: 1462
Ion Ratio Lower Upper
198 100
51 188.7 20.3 60.3#
105 191.0 23.0 63.0#

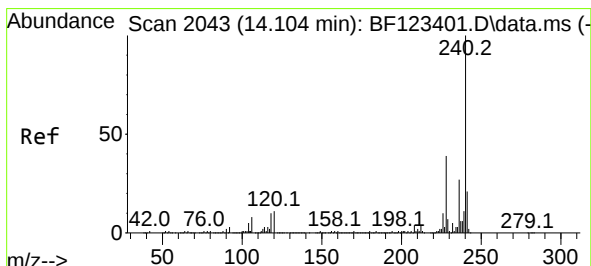
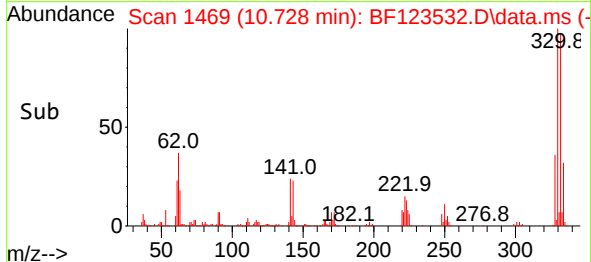
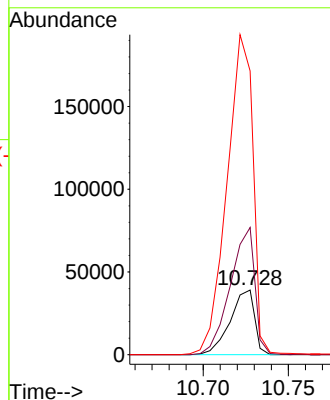
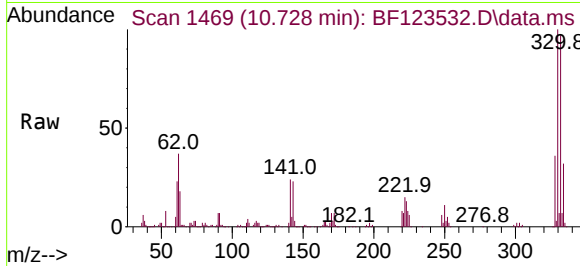




#67
4-Bromophenyl-phenylether
Concen: 5.84 ng
RT: 10.728 min Scan# 1469
Delta R.T. -0.241 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

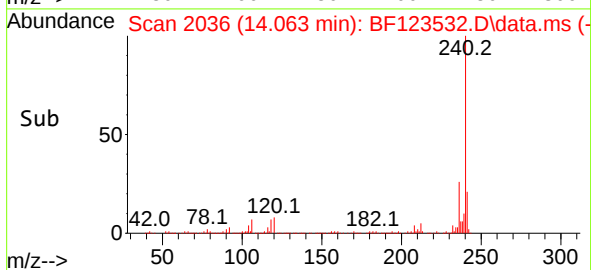
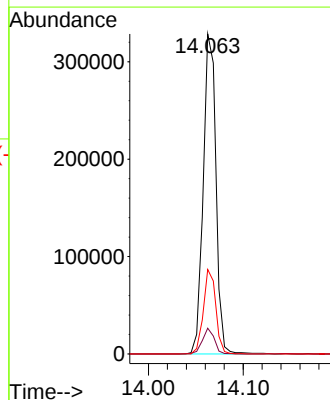
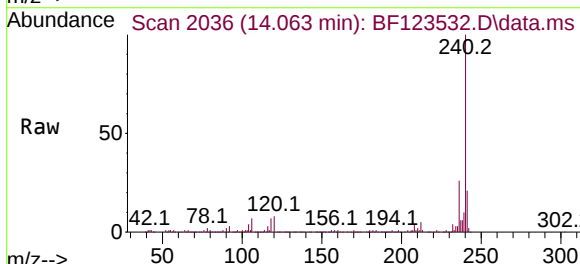
Instrument :
BNA_F
ClientSampleId :
IG004

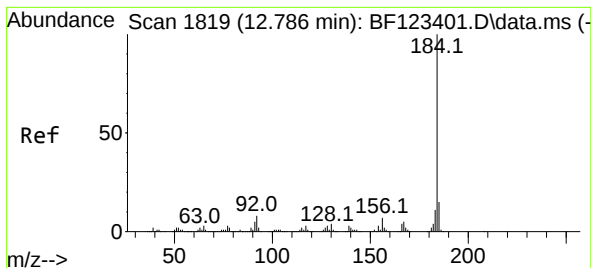
Tgt Ion:248 Resp: 39062
Ion Ratio Lower Upper
248 100
250 196.8 76.8 115.2#
141 438.7 59.8 89.8#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF123532.D
Acq: 30 Mar 2021 20:56

Tgt Ion:240 Resp: 307765
Ion Ratio Lower Upper
240 100
120 8.0 8.6 12.8#
236 26.4 20.3 30.5





#77

Benzidine

Concen: 3.28 ng

RT: 13.016 min Scan# 1858

Delta R.T. 0.259 min

Lab File: BF123532.D

Acq: 30 Mar 2021 20:56

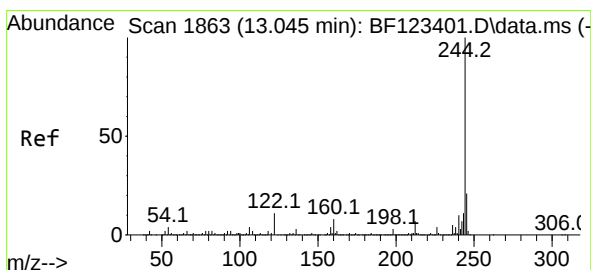
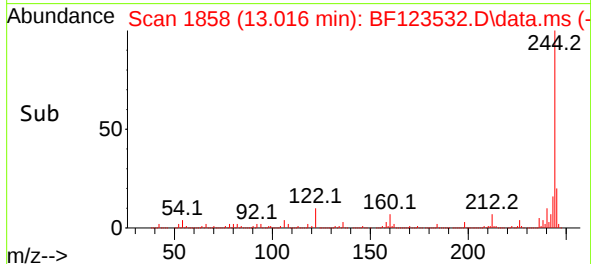
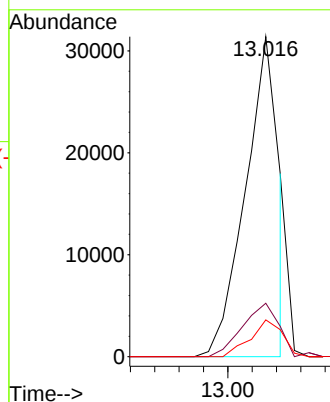
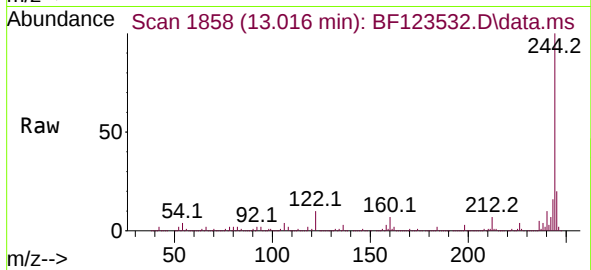
Tgt Ion:184	Resp:	30040
Ion Ratio	Lower	Upper
184	100	
185	16.7	11.8 17.6
183	11.5	9.7 14.5

Instrument :

BNA_F

ClientSampleId :

IG004



#79

Terphenyl-d14

Concen: 119.20 ng

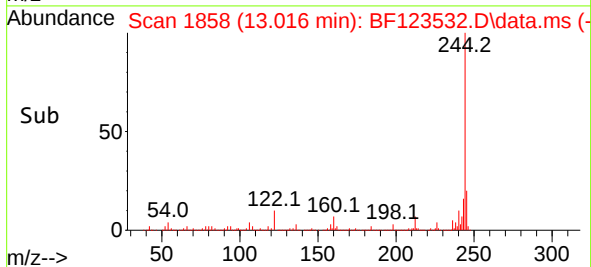
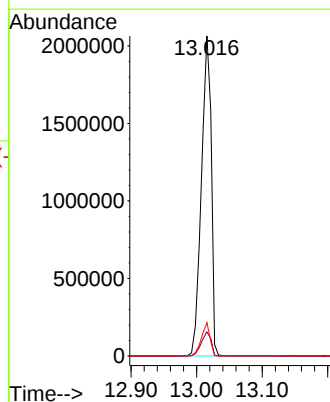
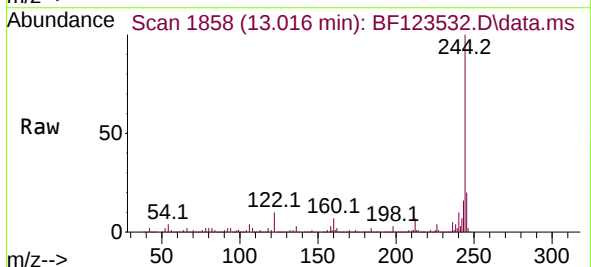
RT: 13.016 min Scan# 1858

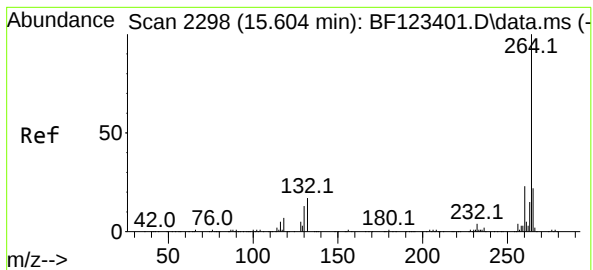
Delta R.T. 0.000 min

Lab File: BF123532.D

Acq: 30 Mar 2021 20:56

Tgt Ion:244	Resp:	2164559
Ion Ratio	Lower	Upper
244	100	
212	7.5	5.7 8.5
122	10.4	8.3 12.5





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.563 min Scan# 2291
 Delta R.T. -0.006 min
 Lab File: BF123532.D
 Acq: 30 Mar 2021 20:56

Instrument :
 BNA_F
 ClientSampleId :
 IG004

Tgt Ion:264	Resp: 242203
Ion Ratio	Lower Upper
264	100
260	22.1 18.6 28.0
265	20.4 17.0 25.6

