

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
 Data File : BF123000.D
 Acq On : 18 Jan 2021 22:07
 Operator : JU/CG
 Sample : M1159-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BORE-2-ALT

Quant Time: Jan 18 23:52:03 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 18 13:14:08 2021
 Response via : Initial Calibration

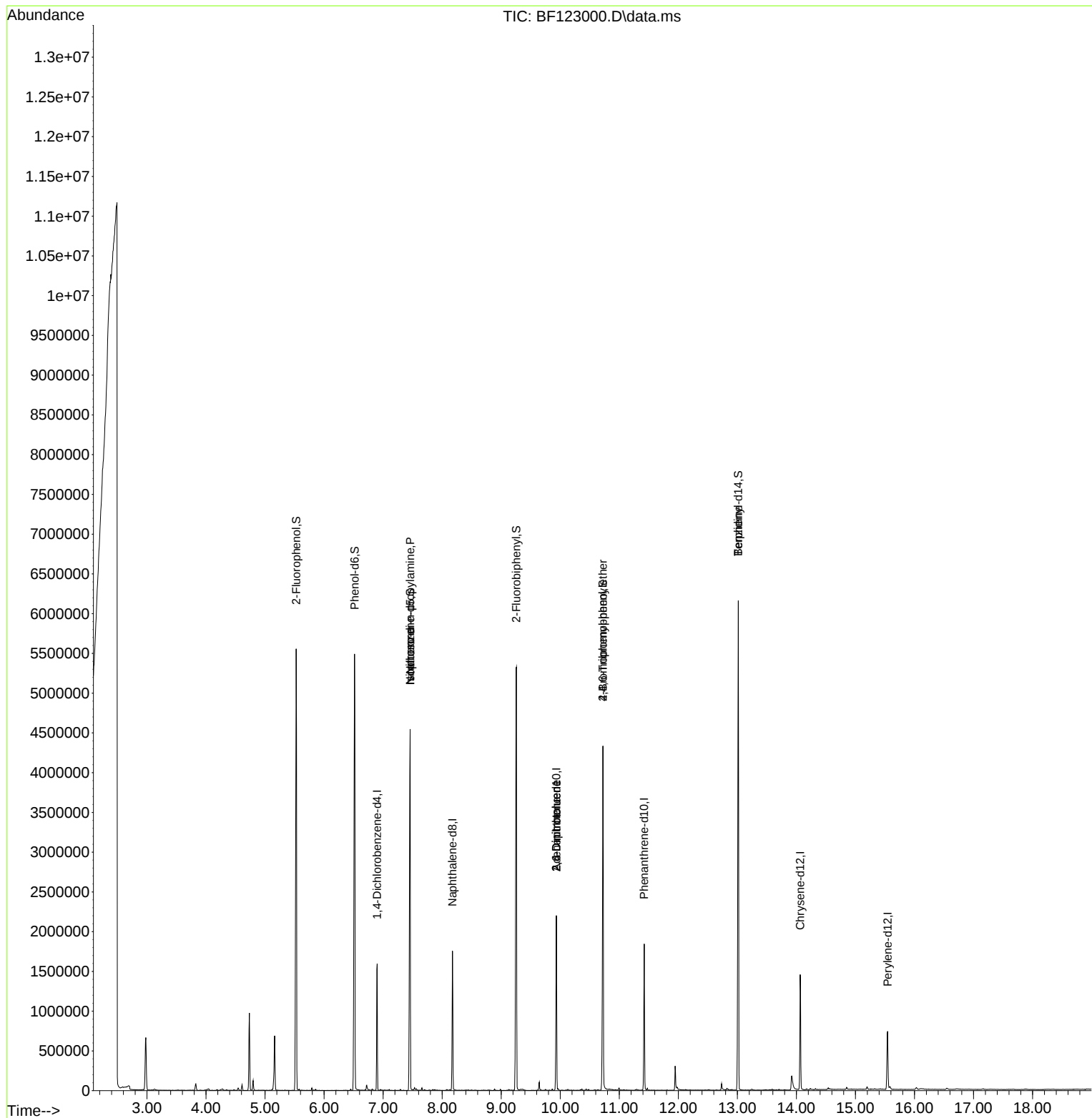
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	224667	20.00	ng	0.00
21) Naphthalene-d8	8.175	136	754543	20.00	ng	# 0.00
39) Acenaphthene-d10	9.933	164	420957	20.00	ng	0.00
64) Phenanthrene-d10	11.421	188	590355	20.00	ng	# 0.00
76) Chrysene-d12	14.062	240	461120	20.00	ng	#-0.01
86) Perylene-d12	15.545	264	323516	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1597739	107.50	ng	0.02
7) Phenol-d6	6.516	99	2191258	109.70	ng	0.00
23) Nitrobenzene-d5	7.457	82	1567790	106.92	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	527866	110.89	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1889718	62.86	ng	0.00
79) Terphenyl-d14	13.015	244	1890579	75.17	ng	0.00
Target Compounds						
9) Benzaldehyde	6.445	77	871	Below Cal		Qvalue 90
19) n-Nitroso-di-n-propyla...	7.457	70	213832	18.07	ng	# 82
25) Isophorone	7.457	82	1567774	59.93	ng	# 65
51) 2,6-Dinitrotoluene	9.933	165	55480	7.76	ng	# 31
57) 2,4-Dinitrotoluene	9.933	165	55480	6.04	ng	# 25
67) 4-Bromophenyl-phenylether	10.722	248	30656	4.25	ng	# 1
77) Benzydine	13.015	184	27415	2.25	ng	# 93

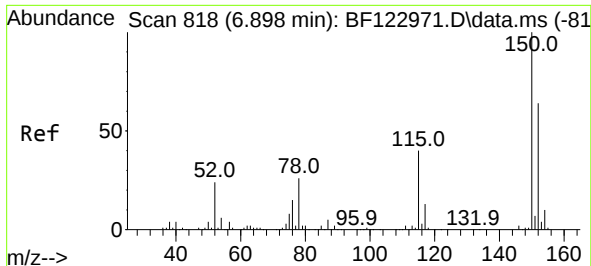
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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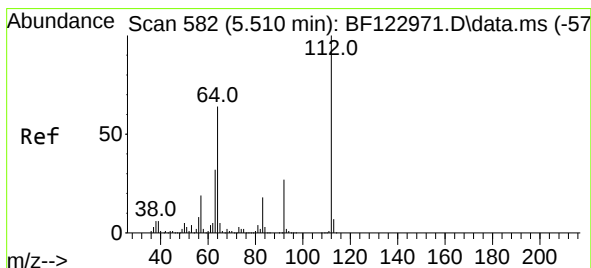
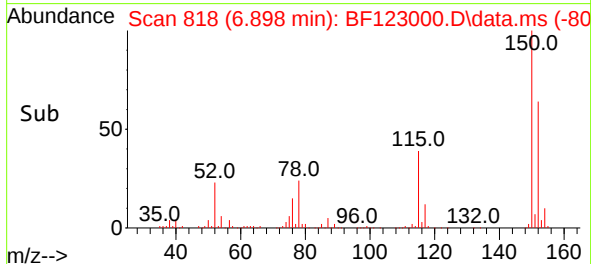
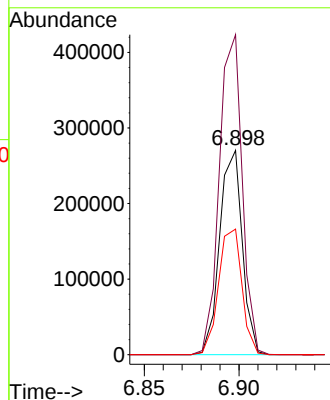
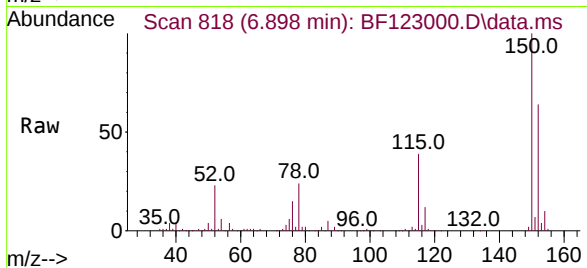




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.898 min Scan# 818
Delta R.T. 0.000 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

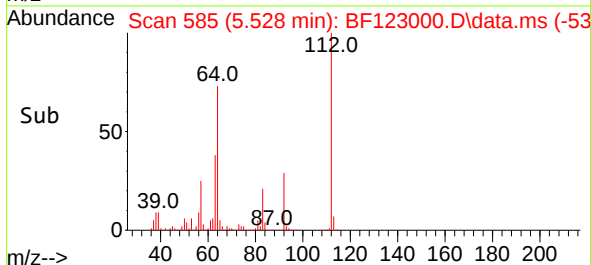
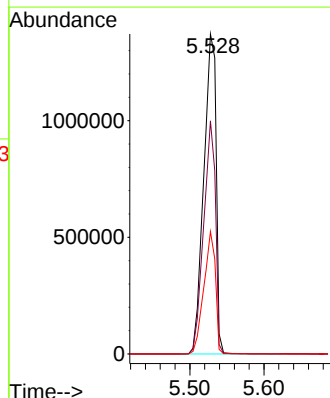
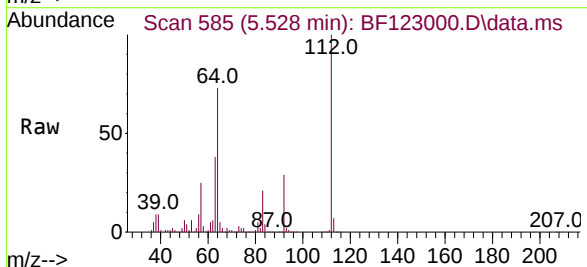
Instrument :
BNA_F
ClientSampleId :
BORE-2-ALT

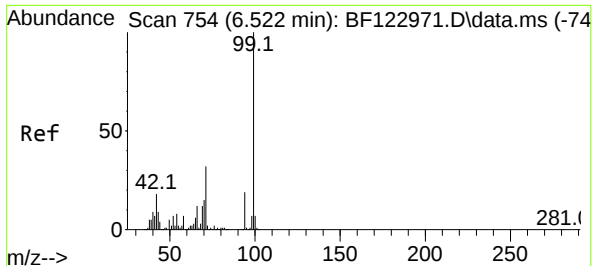
Tgt Ion:152 Resp: 224667
Ion Ratio Lower Upper
152 100
150 156.6 125.8 188.6
115 61.4 49.3 73.9



#5
2-Fluorophenol
Concen: 107.50 ng
RT: 5.528 min Scan# 585
Delta R.T. 0.018 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

Tgt Ion:112 Resp: 1597739
Ion Ratio Lower Upper
112 100
64 72.9 46.9 70.3#
63 38.2 24.5 36.7#

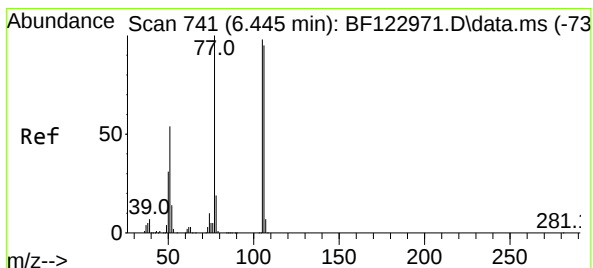
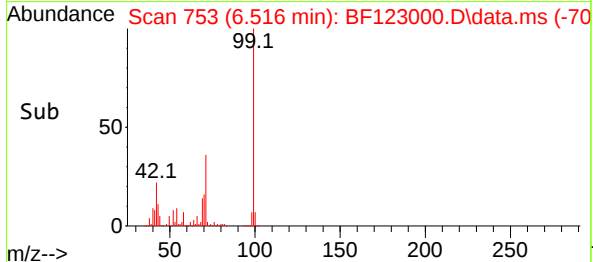
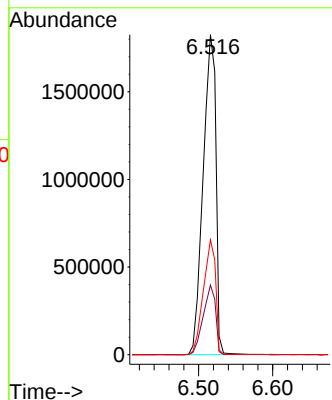
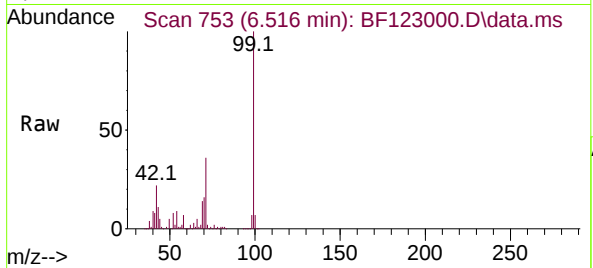




#7
Phenol-d6
Concen: 109.70 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

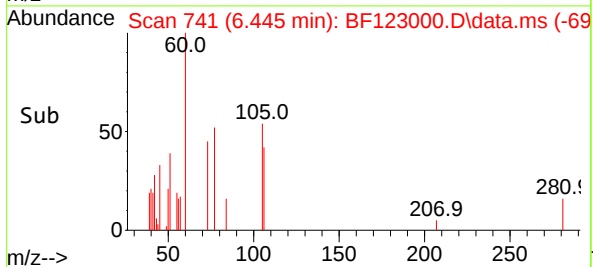
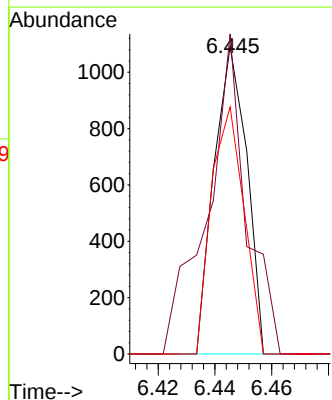
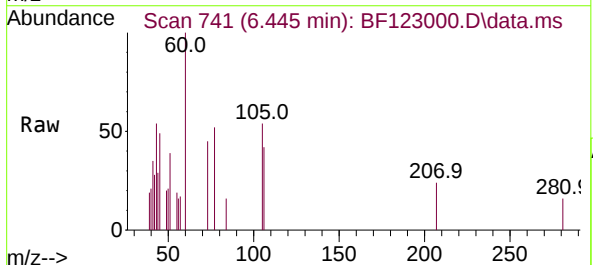
Instrument :
BNA_F
ClientSampleId :
BORE-2-ALT

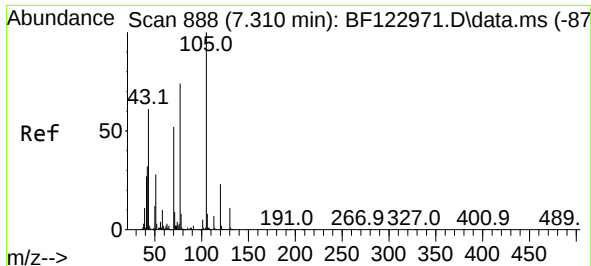
Tgt Ion: 99 Resp: 2191258
Ion Ratio Lower Upper
99 100
42 21.8 13.8 20.6#
71 35.9 26.9 40.3



#9
Benzaldehyde
Concen: Below Cal
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

Tgt Ion: 77 Resp: 871
Ion Ratio Lower Upper
77 100
105 104.0 80.6 120.6
106 80.3 77.2 117.2

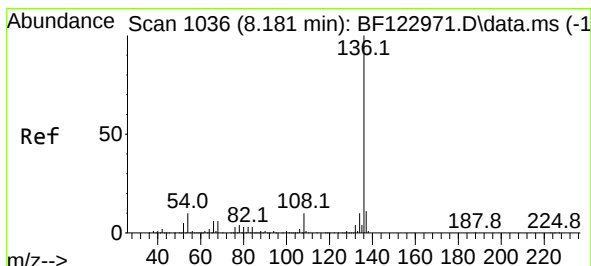
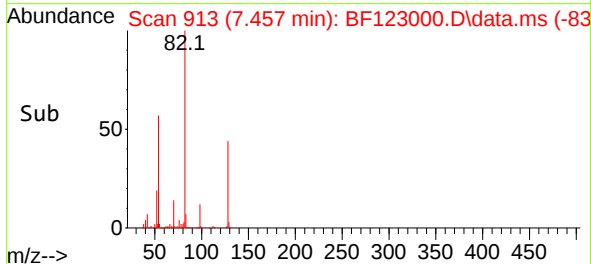
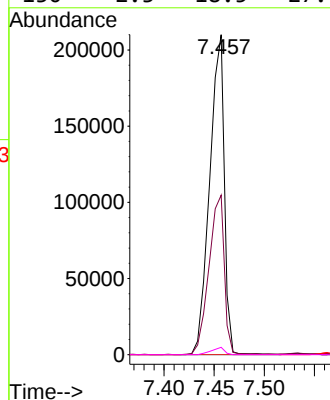
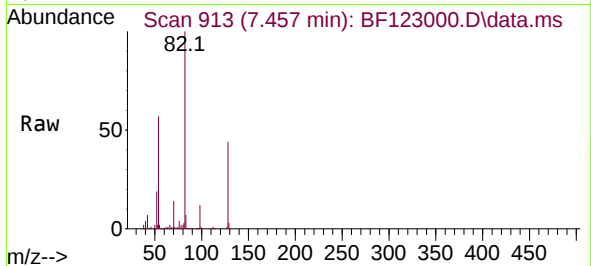




#19
n-Nitroso-di-n-propylamine
Concen: 18.07 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.147 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

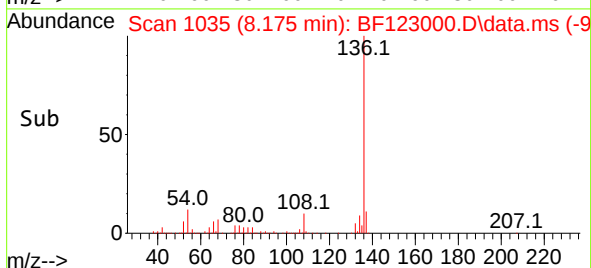
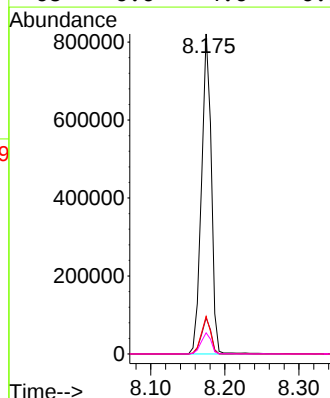
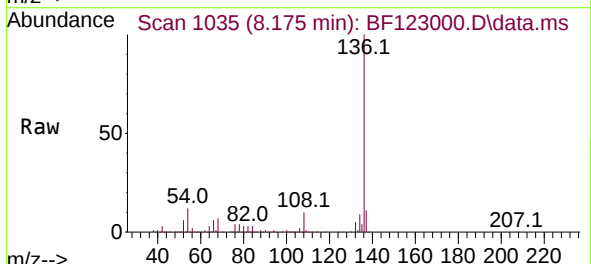
Instrument :
BNA_F
ClientSampleId :
BORE-2-ALT

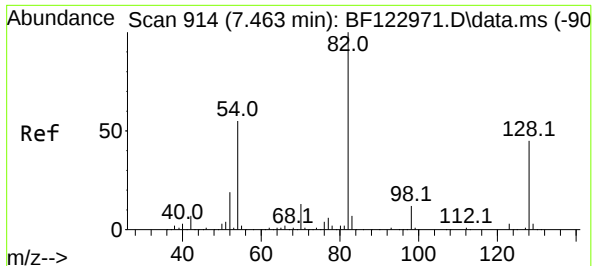
Tgt Ion:	70	Resp:	213832
Ion	Ratio	Lower	Upper
70	100		
42	49.8	43.0	64.4
101	0.0	7.9	11.9#
130	2.3	18.5	27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

Tgt Ion:	136	Resp:	754543
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	11.7	5.5	8.3#
68	6.6	4.6	6.8

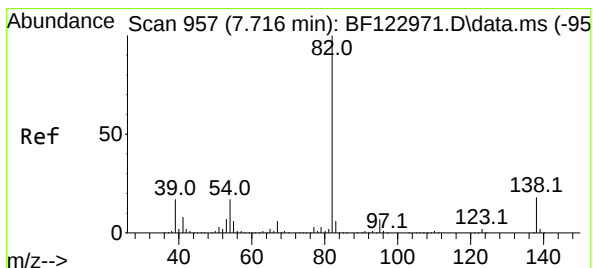
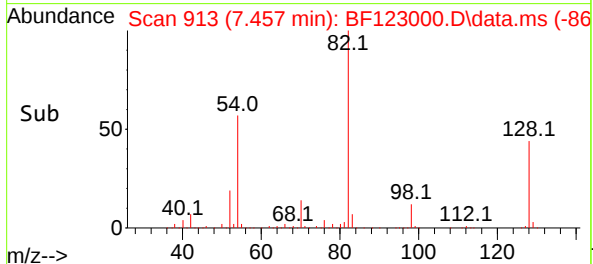
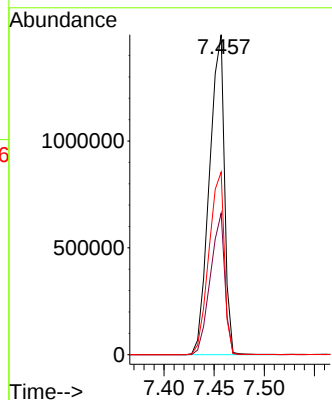
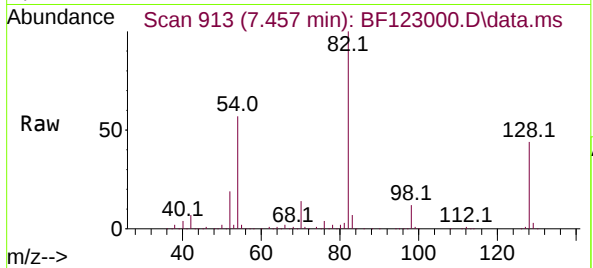




#23
Nitrobenzene-d5
Concen: 106.92 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

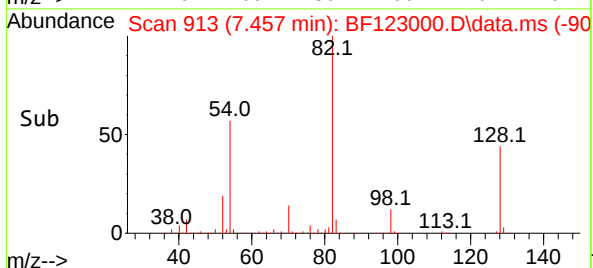
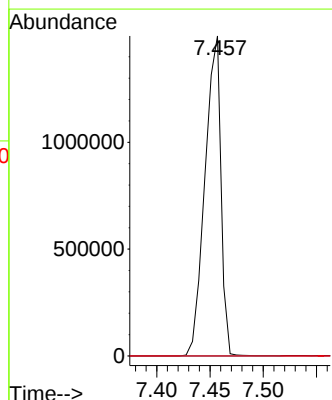
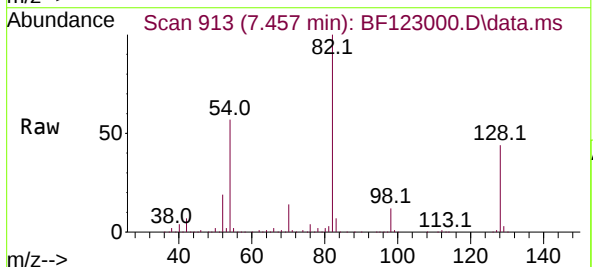
Instrument :
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ClientSampleId :
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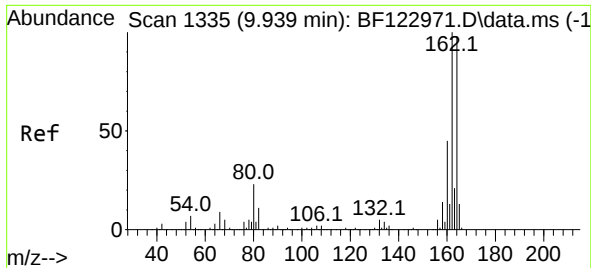
Tgt Ion: 82 Resp: 1567790
Ion Ratio Lower Upper
82 100
128 44.2 37.0 55.4
54 57.1 38.4 57.6



#25
Isophorone
Concen: 59.93 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.259 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

Tgt Ion: 82 Resp: 1567774
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#

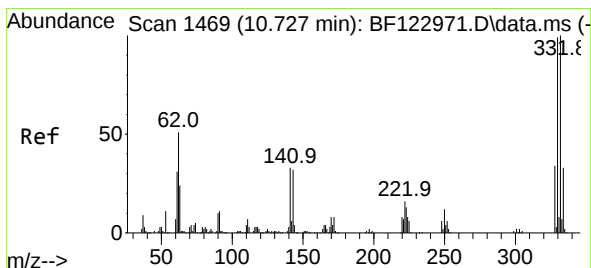
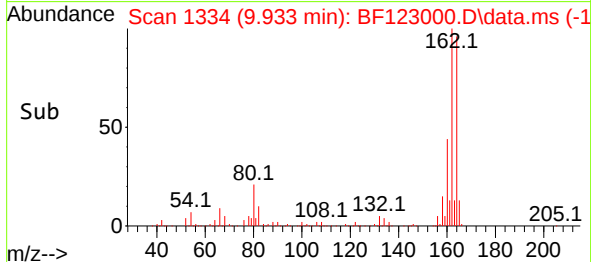
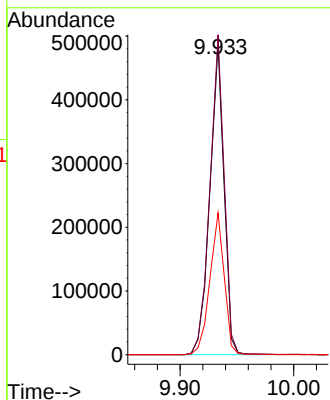
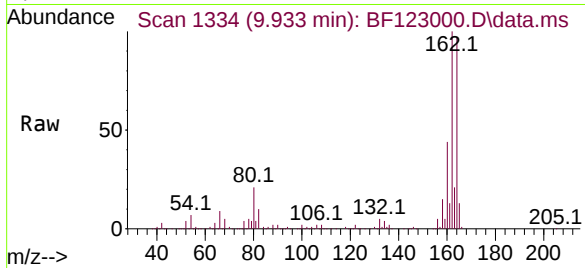




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

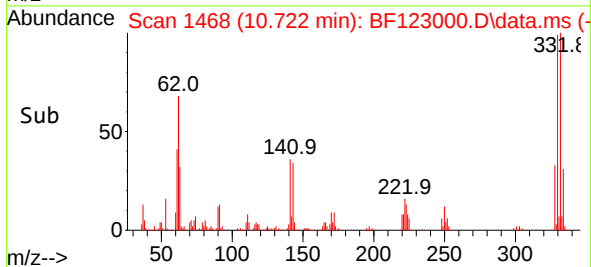
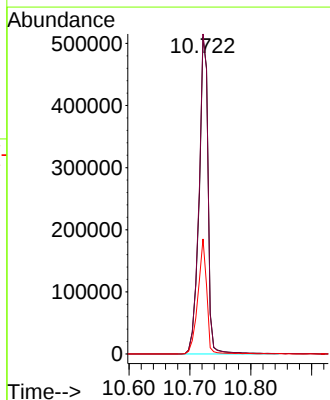
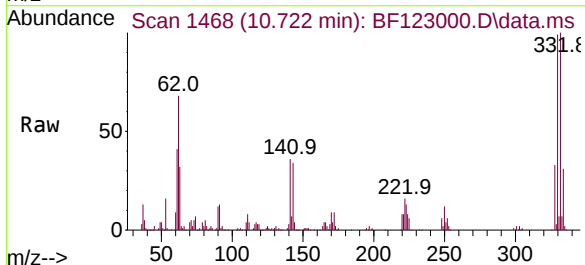
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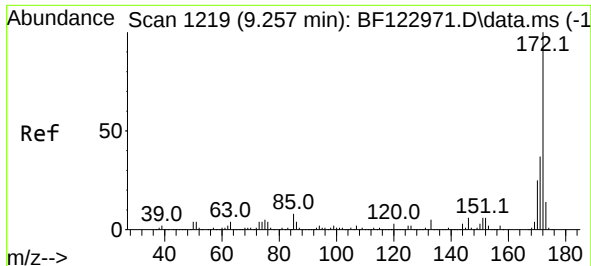
Tgt Ion:164 Resp: 420957
Ion Ratio Lower Upper
164 100
162 103.3 80.8 121.2
160 45.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 110.89 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.005 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

Tgt Ion:330 Resp: 527866
Ion Ratio Lower Upper
330 100
332 100.8 77.5 116.3
141 35.2 23.8 35.8

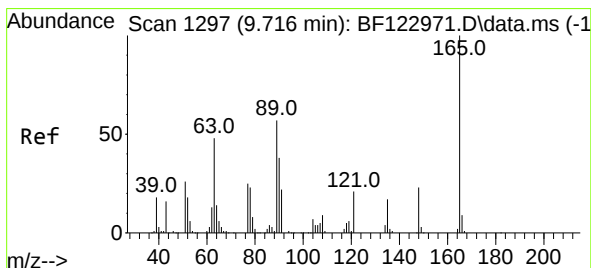
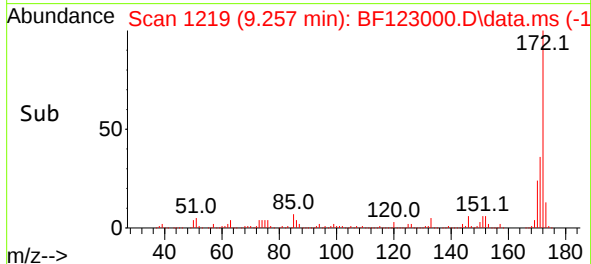
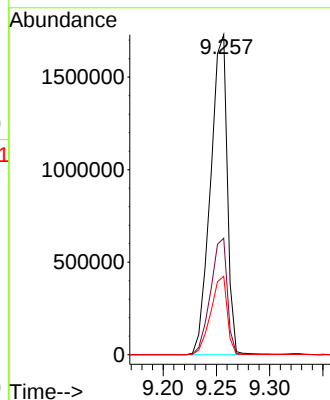
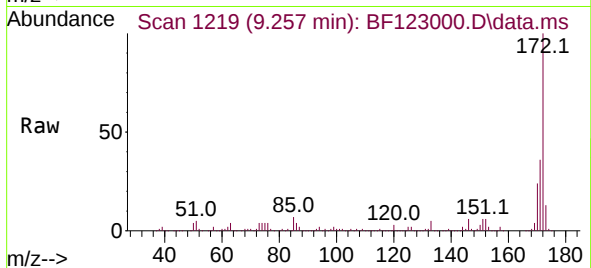




#45
2-Fluorobiphenyl
Concen: 62.86 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

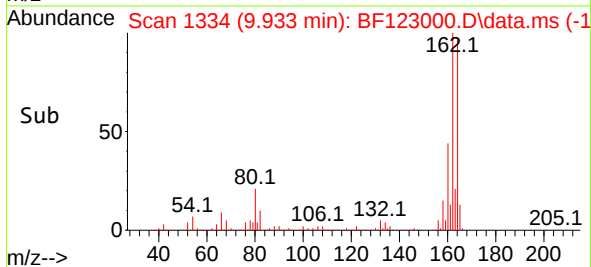
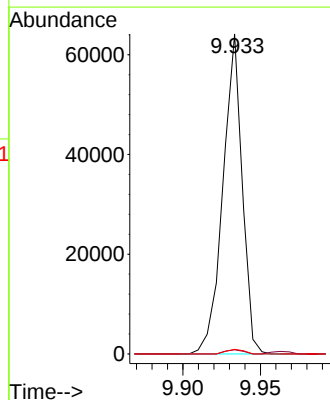
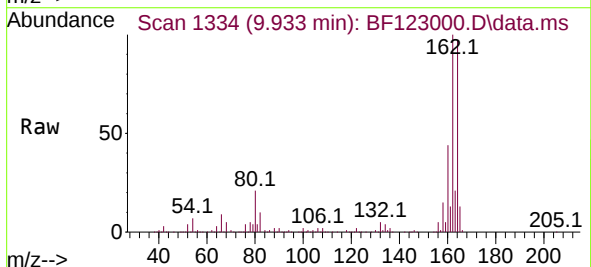
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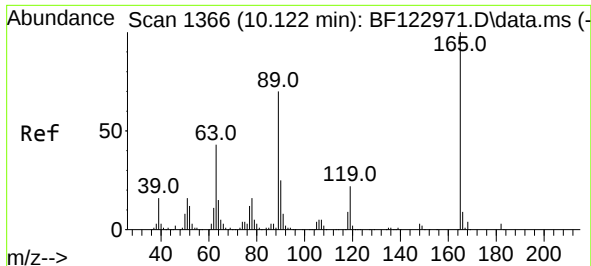
Tgt Ion:172 Resp: 1889718
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.5 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 7.76 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.218 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

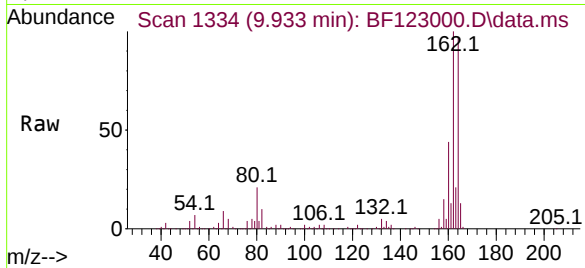
Tgt Ion:165 Resp: 55480
Ion Ratio Lower Upper
165 100
63 1.3 36.6 55.0#
89 1.4 39.4 59.0#



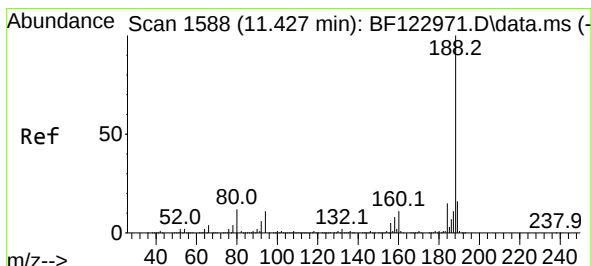
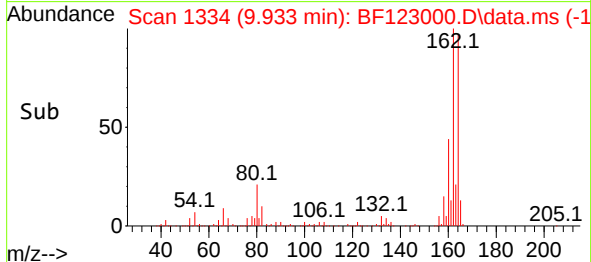
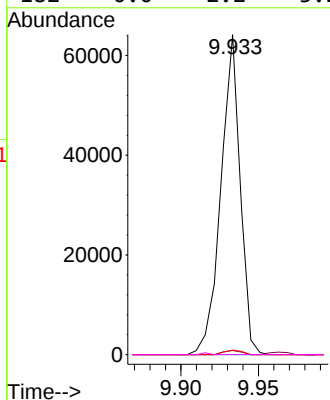


#57
2,4-Dinitrotoluene
Concen: 6.04 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.188 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

Instrument :
BNA_F
ClientSampleId :
BORE-2-ALT

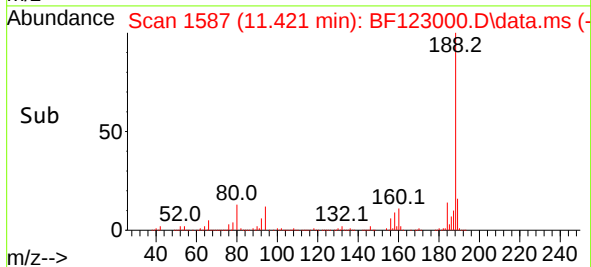
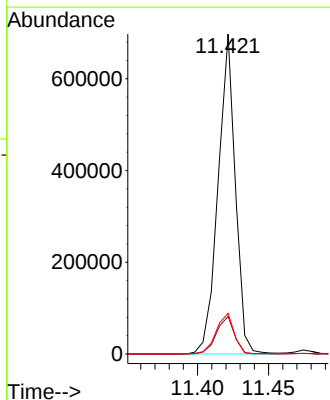
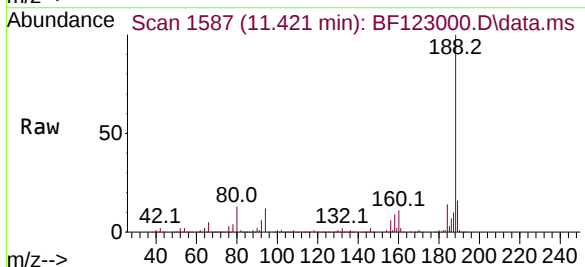


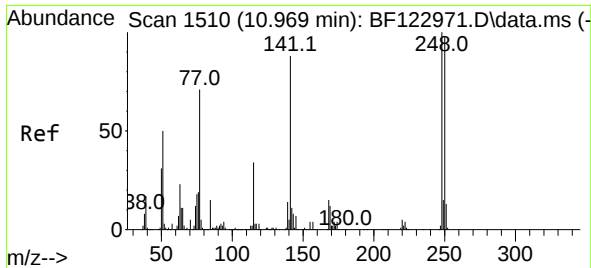
Tgt Ion:165 Resp: 55480
Ion Ratio Lower Upper
165 100
63 1.3 34.3 51.5#
89 1.4 55.2 82.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

Tgt Ion:188 Resp: 590355
Ion Ratio Lower Upper
188 100
94 11.7 7.4 11.2#
80 12.7 8.2 12.4#

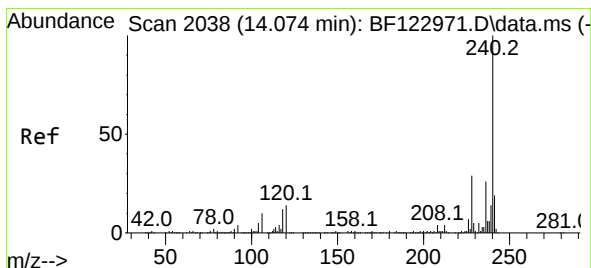
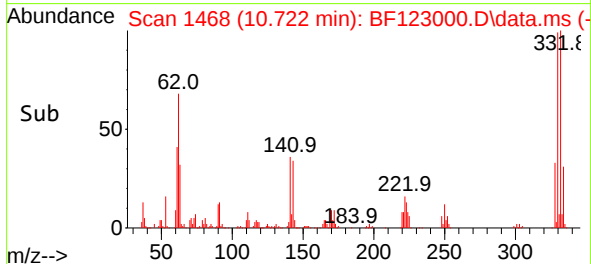
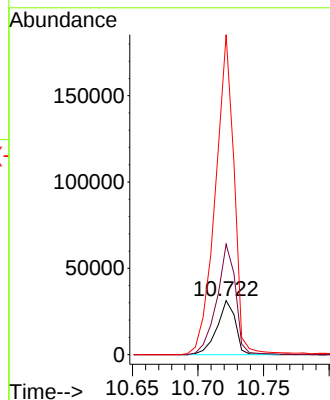
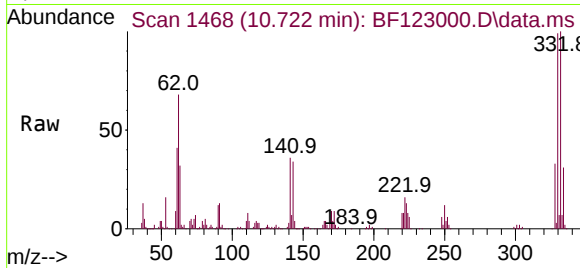




#67
4-Bromophenyl-phenylether
Concen: 4.25 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.247 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

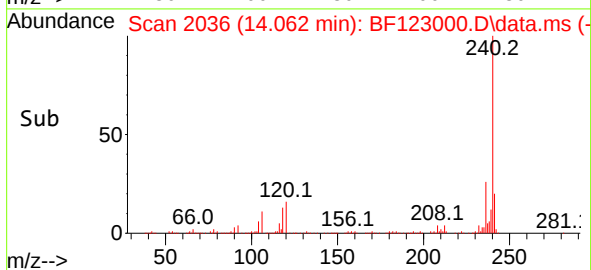
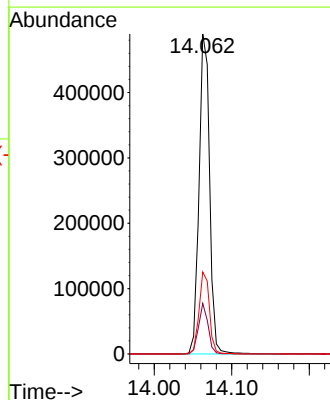
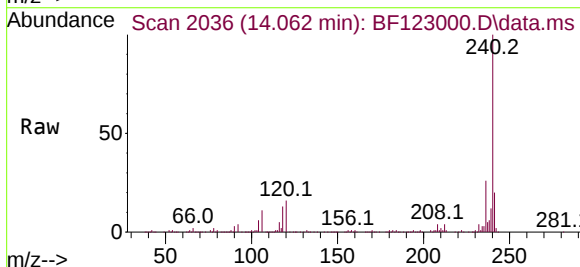
Instrument :
BNA_F
ClientSampleId :
BORE-2-ALT

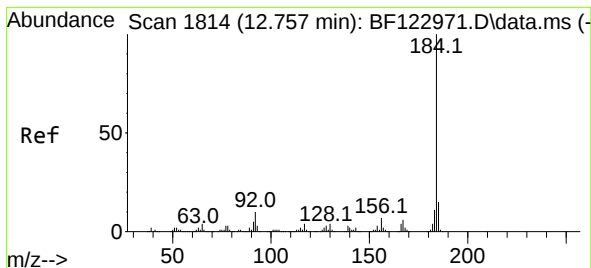
Tgt Ion:248 Resp: 30656
Ion Ratio Lower Upper
248 100
250 204.2 76.8 115.2#
141 592.4 59.8 89.8#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF123000.D
Acq: 18 Jan 2021 22:07

Tgt Ion:240 Resp: 461120
Ion Ratio Lower Upper
240 100
120 15.8 8.6 12.8#
236 25.6 20.3 30.5





#77

Benzidine

Concen: 2.25 ng

RT: 13.015 min Scan# 1858

Delta R.T. 0.259 min

Lab File: BF123000.D

Acq: 18 Jan 2021 22:07

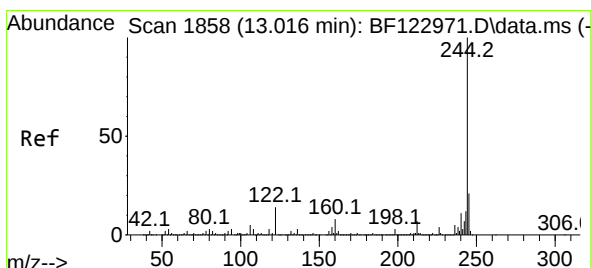
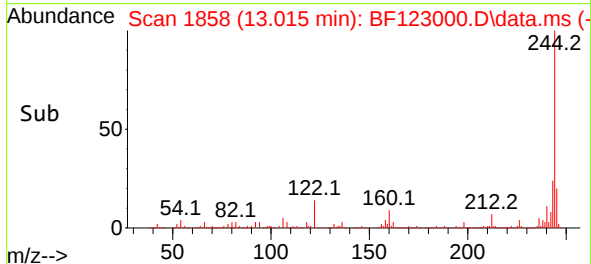
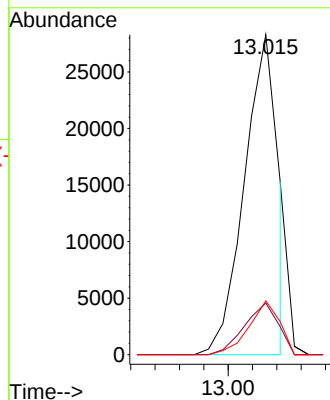
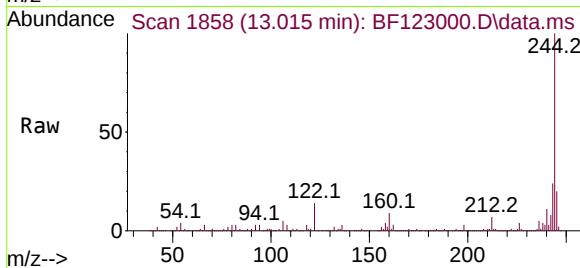
Tgt Ion:184	Resp:	27415
Ion Ratio	Lower	Upper
184	100	
185	16.2	11.8 17.6
183	16.8	9.7 14.5#

Instrument :

BNA_F

ClientSampleId :

BORE-2-ALT



#79

Terphenyl-d14

Concen: 75.17 ng

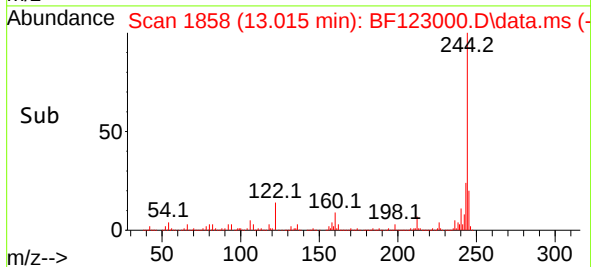
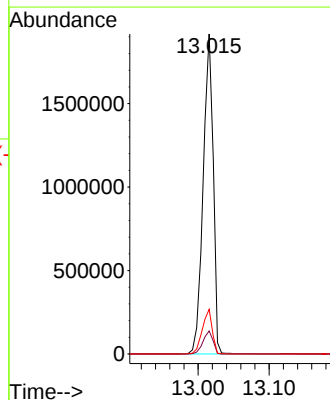
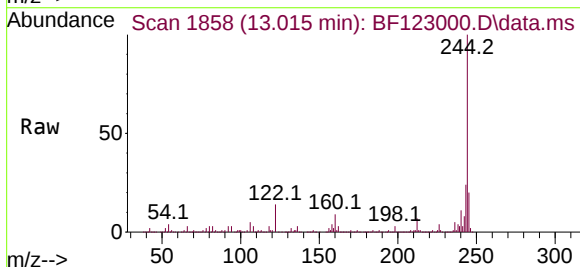
RT: 13.015 min Scan# 1858

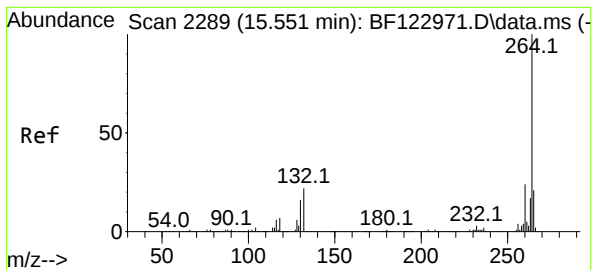
Delta R.T. -0.001 min

Lab File: BF123000.D

Acq: 18 Jan 2021 22:07

Tgt Ion:244	Resp:	1890579
Ion Ratio	Lower	Upper
244	100	
212	7.2	5.7 8.5
122	13.9	8.3 12.5#





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.545 min Scan# 2288
 Delta R.T. -0.006 min
 Lab File: BF123000.D
 Acq: 18 Jan 2021 22:07

Instrument :
 BNA_F
 ClientSampleId :
 BORE-2-ALT

Tgt Ion:264 Resp: 323516
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.6 28.0
 265 20.6 17.0 25.6

