

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042220\
 Data File : BF120150.D
 Acq On : 23 Apr 2020 3:51
 Operator : MA/SJ
 Sample : L2123-14
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020

Quant Time: Apr 23 04:25:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 11:49:00 2020
 Response via : Initial Calibration

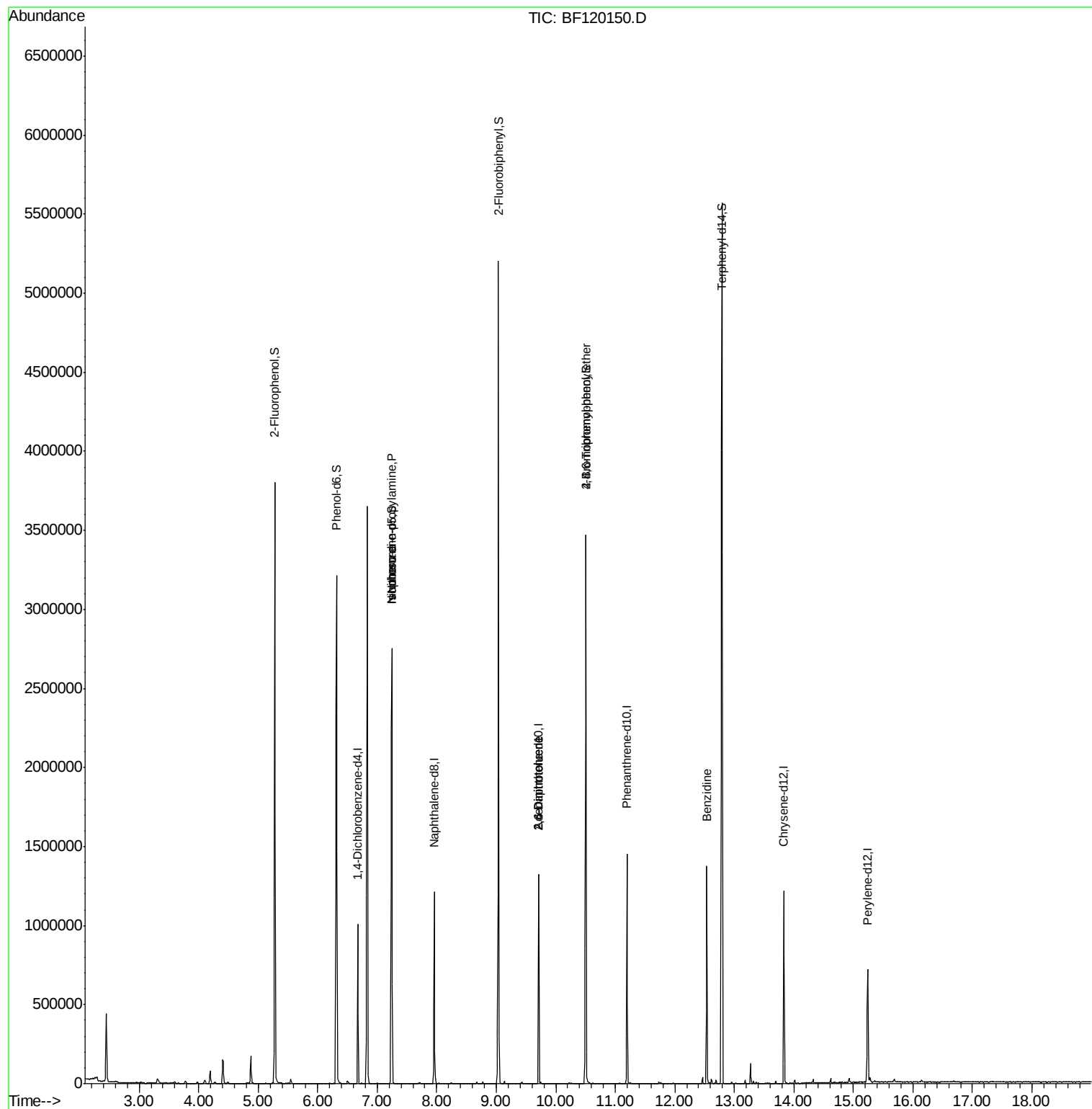
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	137380	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	535351	20.00	ng	-0.01
39) Acenaphthene-d10	9.71	164	273228	20.00	ng	-0.01
64) Phenanthrene-d10	11.20	188	518949	20.00	ng	0.00
76) Chrysene-d12	13.83	240	391047	20.00	ng	-0.02
87) Perylene-d12	15.24	264	319968	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	958820	120.62	ng	0.00
7) Phenol-d6	6.32	99	1095475	106.95	ng	-0.01
23) Nitrobenzene-d5	7.25	82	891380	86.14	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	408244	122.04	ng	-0.01
45) 2-Fluorobiphenyl	9.04	172	1722924	89.53	ng	-0.01
79) Terphenyl-d14	12.79	244	2091608	90.00	ng	0.00
Target Compounds						
9) Benzaldehyde	6.32	77	1282	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.25	70	116484	17.684 ng	#	75
25) Isophorone	7.25	82	891368	44.684 ng	#	65
51) 2,6-Dinitrotoluene	9.71	165	34609	7.478 ng	#	26
57) 2,4-Dinitrotoluene	9.71	165	34609	5.676 ng	#	20
67) 4-Bromophenyl-phenylether	10.50	248	24828	3.847 ng	#	1
77) Benizidine	12.54	184	536425	40.581 ng		97

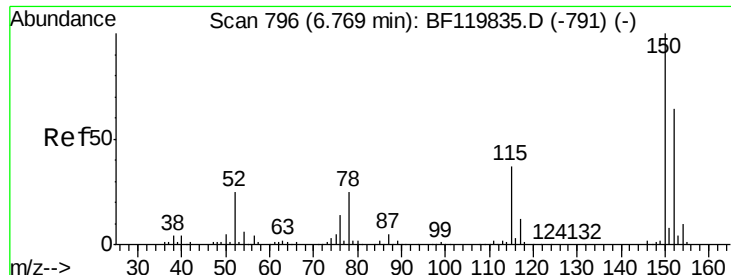
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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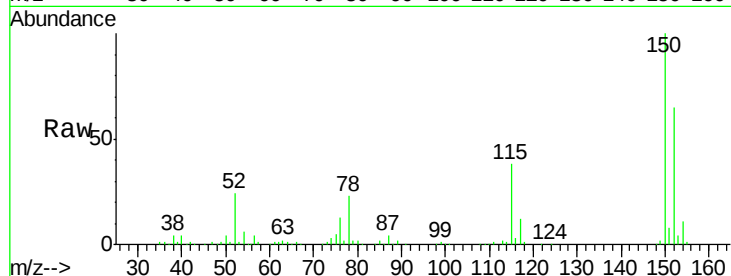


#1

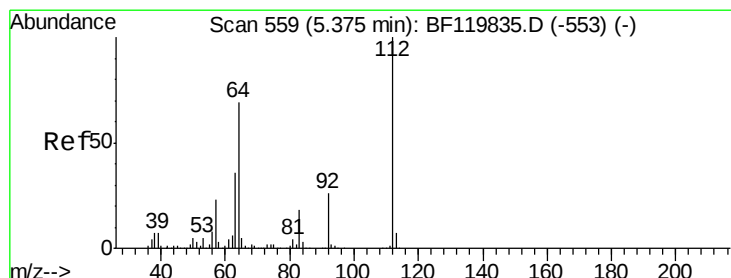
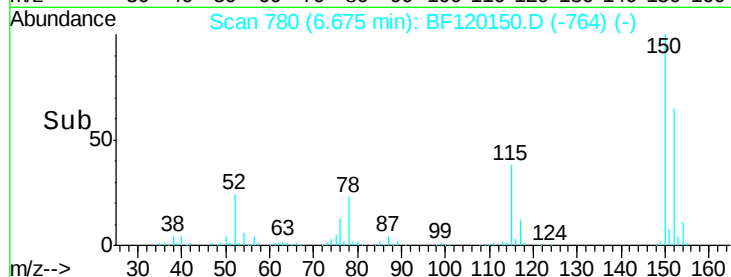
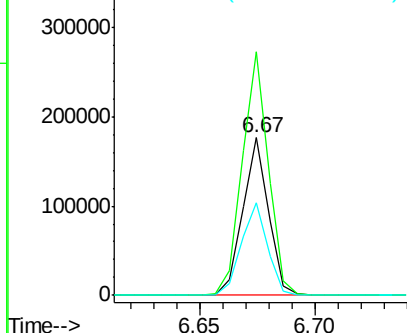
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF120150.D
Acq: 23 Apr 2020 3:51

Instrument :
BNA_F
ClientSampleId :
TR-05-042020

Tot Ion:152 Resp: 137380
Ion Ratio Lower Upper
152 100
150 154.5 124.5 186.7
115 58.6 49.6 74.4



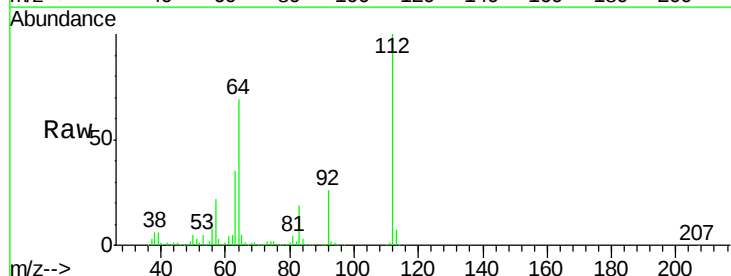
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



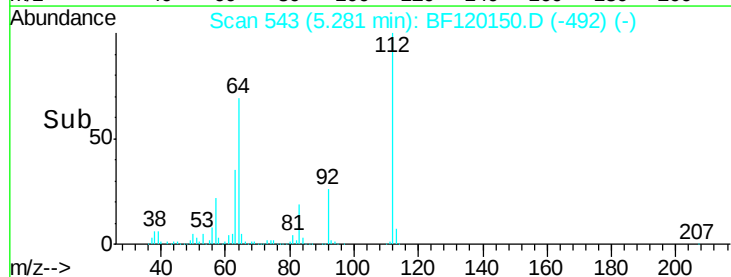
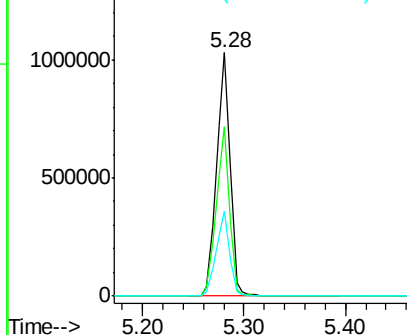
#5

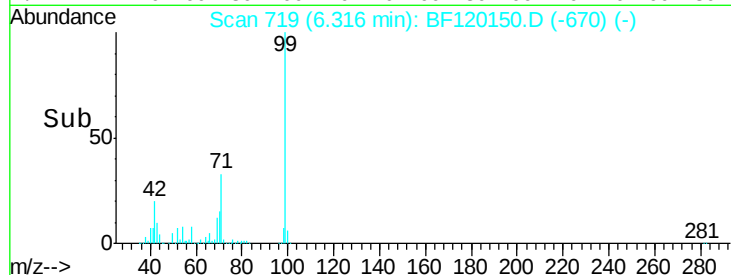
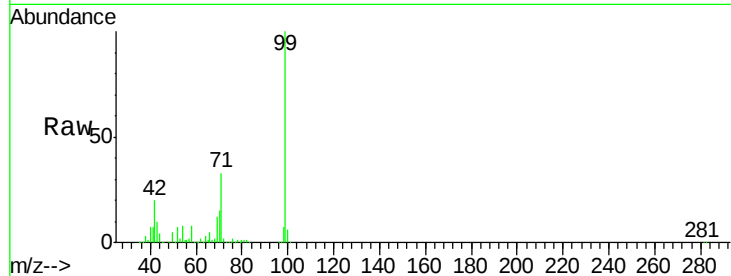
2-Fluorophenol
Concen: 120.616 ng
RT: 5.28 min Scan# 543
Delta R.T. 0.00 min
Lab File: BF120150.D
Acq: 23 Apr 2020 3:51

Tgt Ion:112 Resp: 958820
Ion Ratio Lower Upper
112 100
64 69.4 56.7 85.1
63 34.9 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 106.947 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF120150.D

Acq: 23 Apr 2020 3:51

Instrument :

BNA_F

ClientSampleId :

TR-05-042020

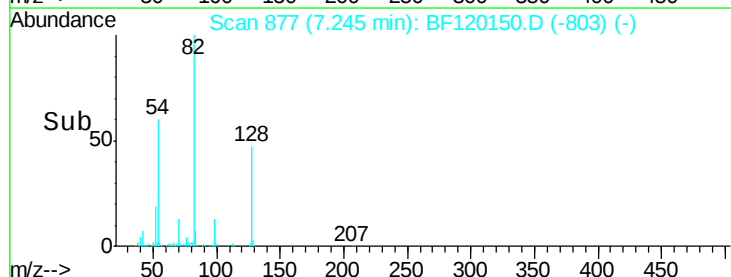
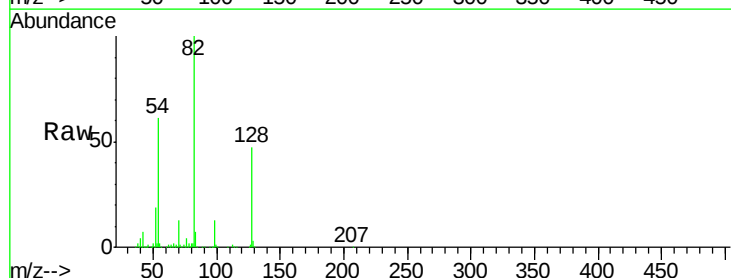
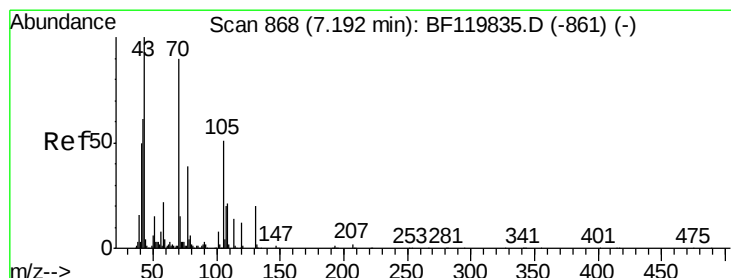
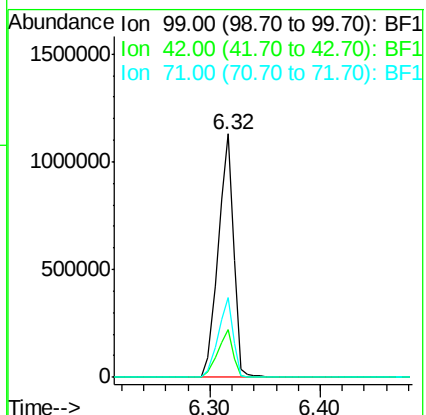
Tot Ion: 99 Resp: 1095475

Ion Ratio Lower Upper

99 100

42 19.6 16.6 24.8

71 32.5 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 17.684 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF120150.D

Acq: 23 Apr 2020 3:51

Tgt Ion: 70 Resp: 116484

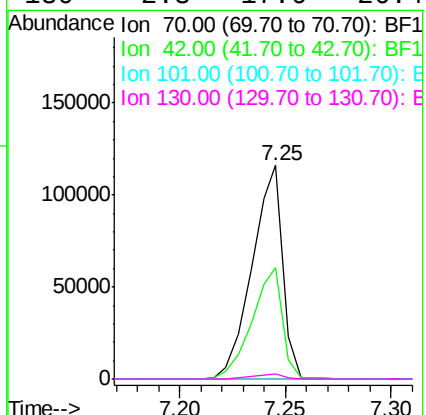
Ion Ratio Lower Upper

70 100

42 52.0 54.5 81.7#

101 0.0 7.6 11.4#

130 2.3 17.6 26.4#

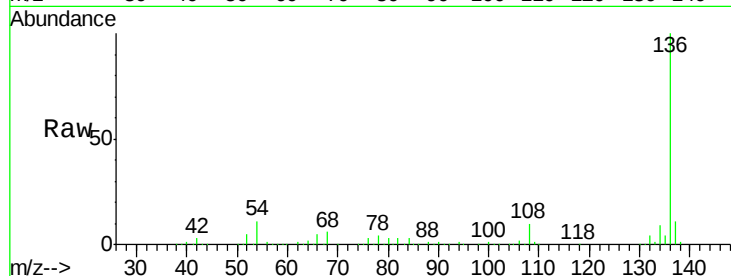




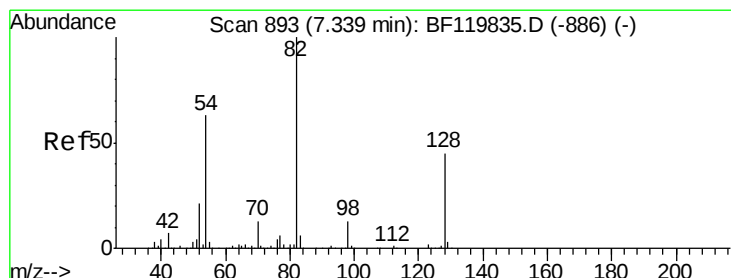
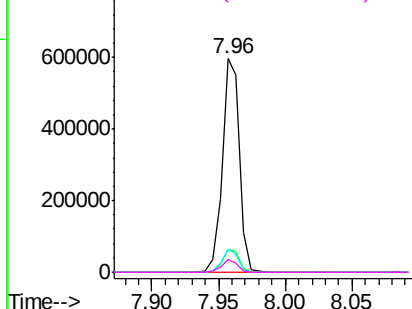
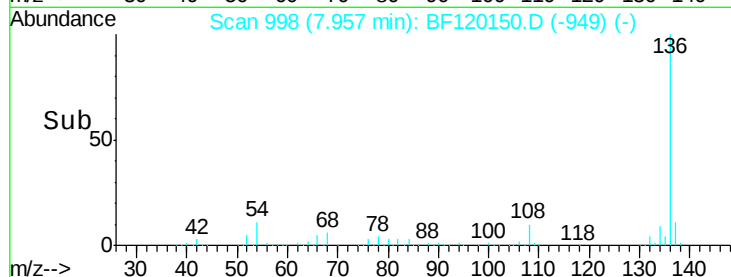
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF120150.D
Acq: 23 Apr 2020 3:51

Instrument :
BNA_F
ClientSampleId :
TR-05-042020

Tot Ion:136	Resp:	535351
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.7 13.1
54	10.7	9.1 13.7
68	5.8	4.6 6.8

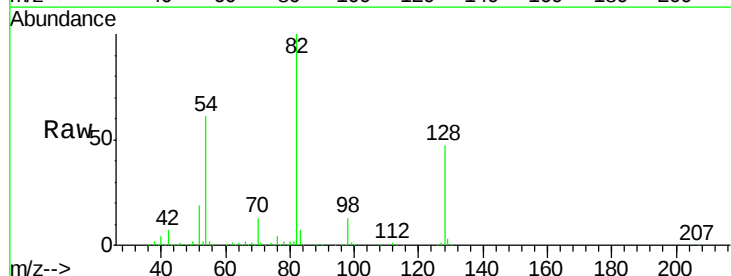


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

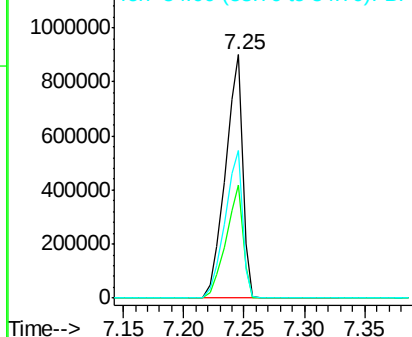
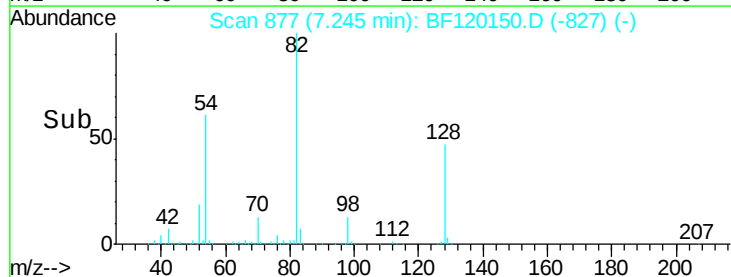


#23
Nitrobenzene-d5
Concen: 86.138 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF120150.D
Acq: 23 Apr 2020 3:51

Tgt Ion: 82	Resp:	891380
Ion Ratio	Lower	Upper
82	100	
128	46.5	36.3 54.5
54	60.5	50.6 75.8



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.684 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.26 min

Lab File: BF120150.D

Acq: 23 Apr 2020 3:51

Instrument :

BNA_F

ClientSampleId :

TR-05-042020

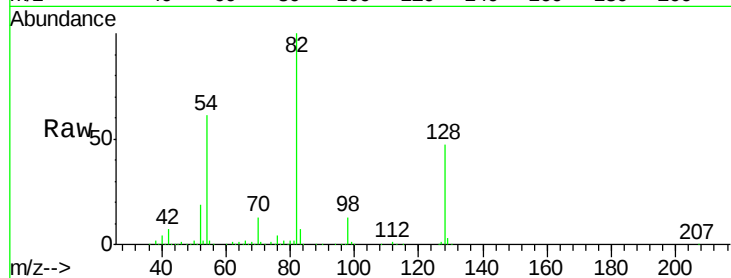
Tot Ion: 82 Resp: 891368

Ion Ratio Lower Upper

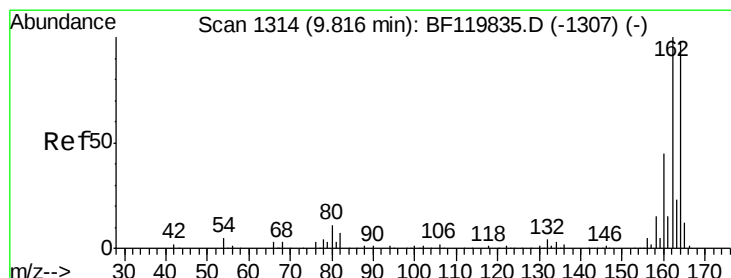
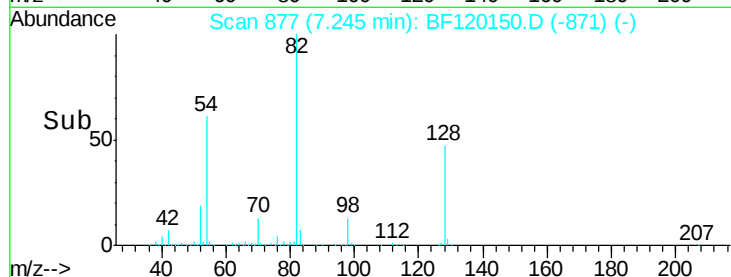
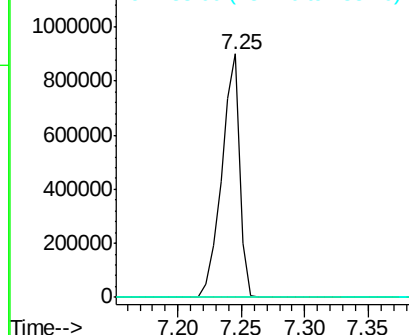
82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF120150.D

Acq: 23 Apr 2020 3:51

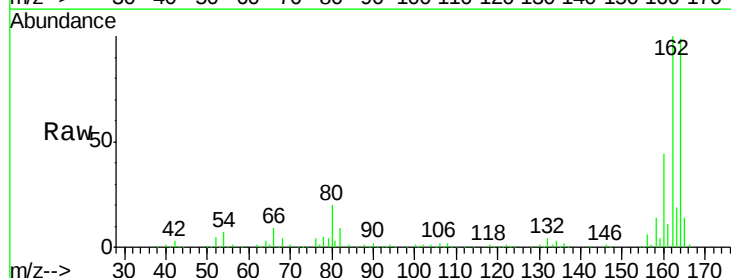
Tgt Ion:164 Resp: 273228

Ion Ratio Lower Upper

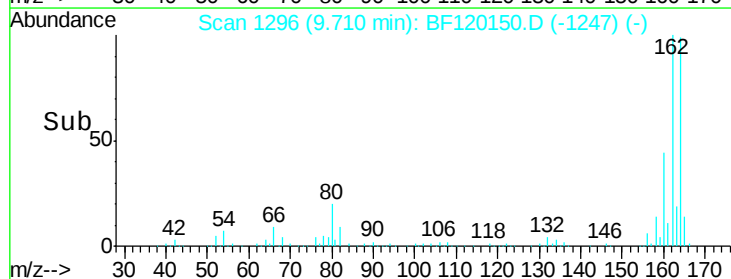
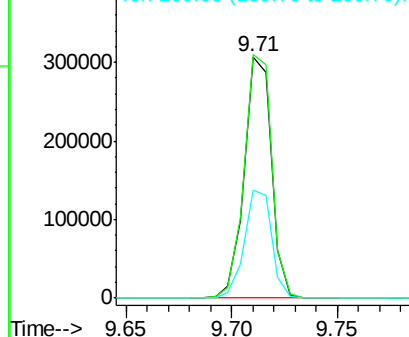
164 100

162 101.0 80.6 121.0

160 44.7 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

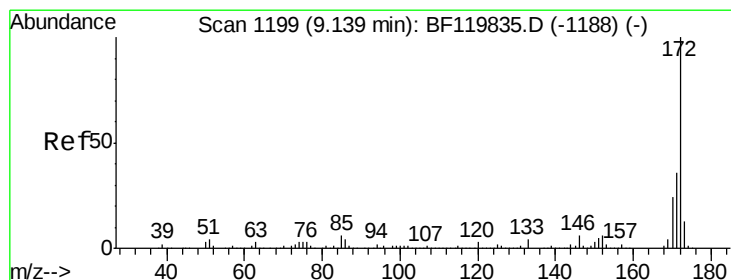
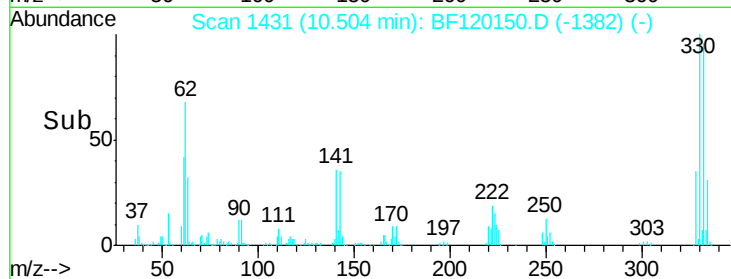
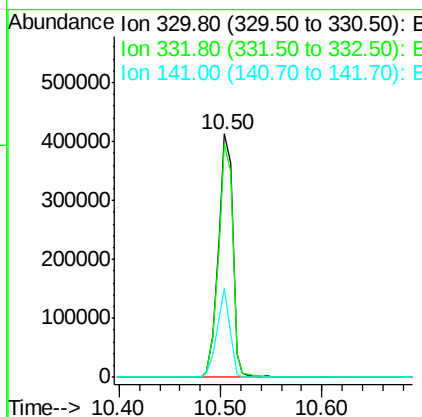
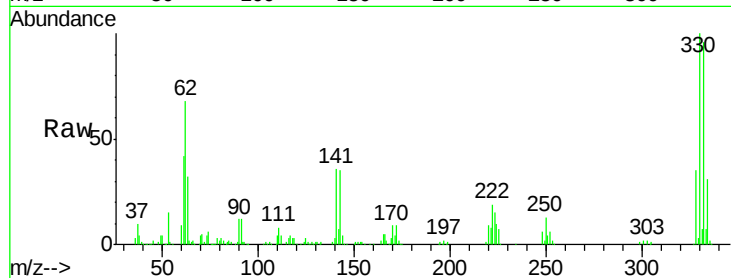




#42
 2,4,6-Tribromophenol
 Concen: 122.037 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF120150.D
 Acq: 23 Apr 2020 3:51

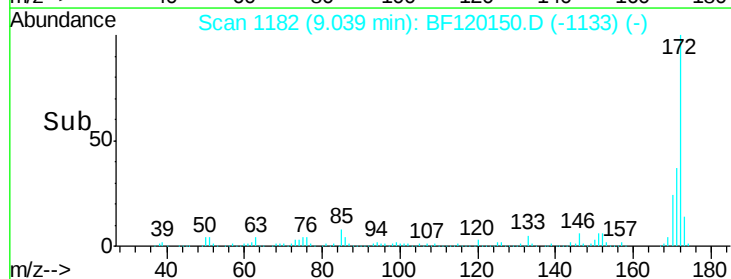
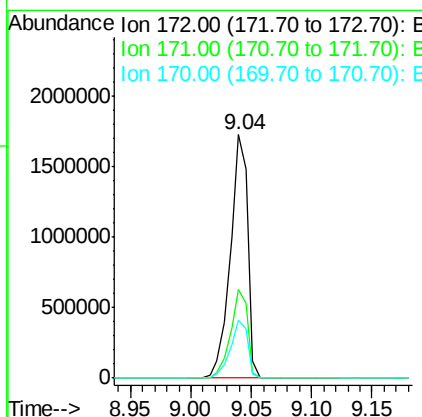
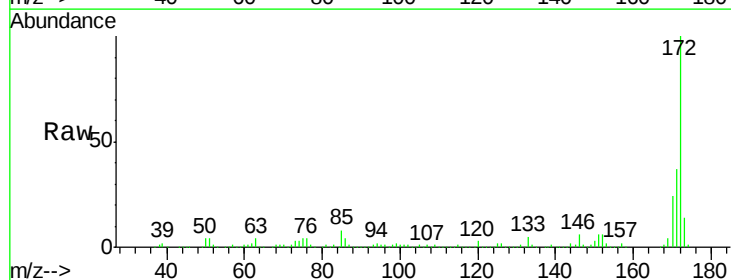
Instrument :
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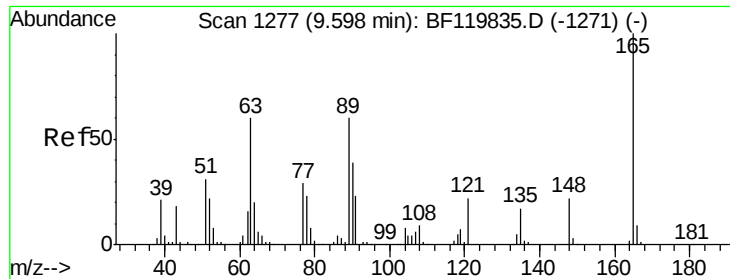
Tot Ion:330 Resp: 408244
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.7 113.5
 141 33.3 25.4 38.0



#45
 2-Fluorobiphenyl
 Concen: 89.529 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF120150.D
 Acq: 23 Apr 2020 3:51

Tgt Ion:172 Resp: 1722924
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 23.9 20.2 30.2

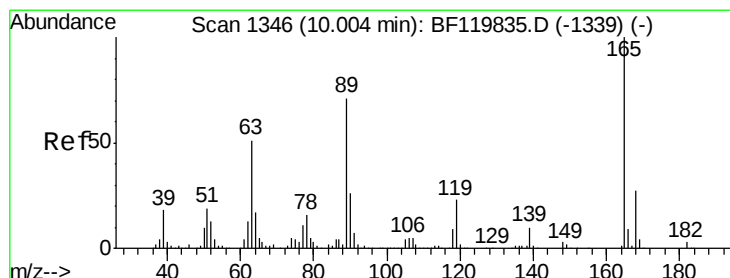
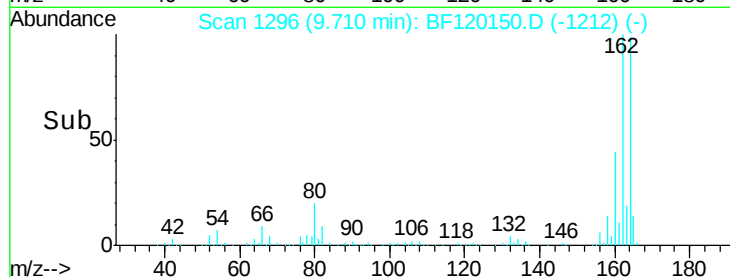
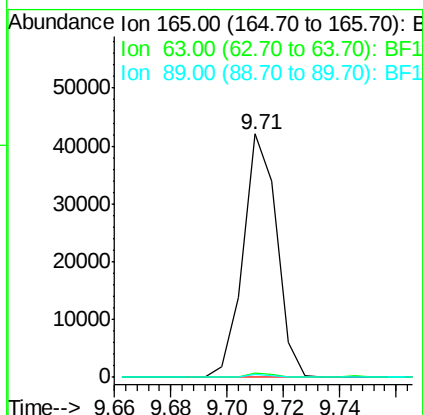
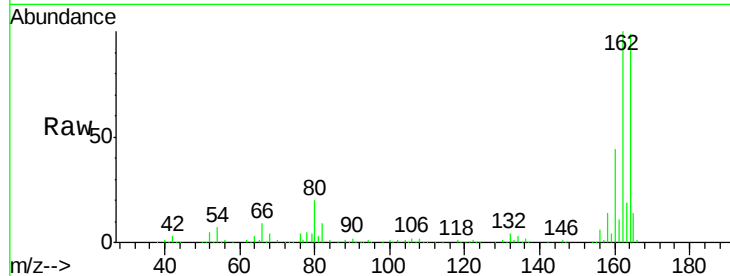




#51
 2,6-Dinitrotoluene
 Concen: 7.478 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. 0.19 min
 Lab File: BF120150.D
 Acq: 23 Apr 2020 3:51

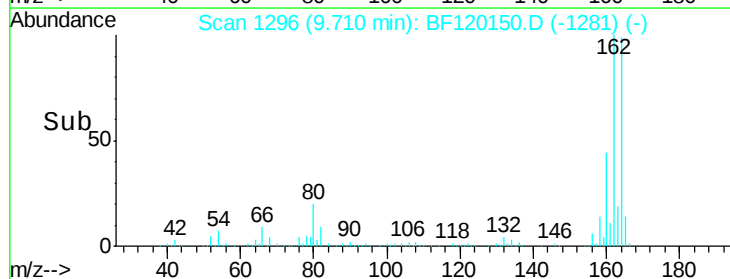
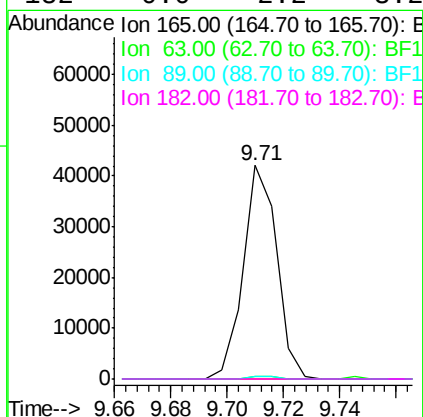
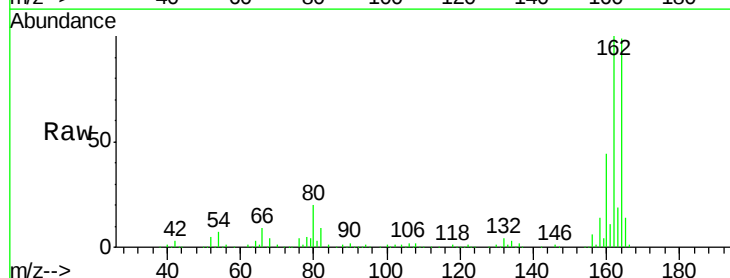
Instrument :
 BNA_F
 ClientSampled :
 TR-05-042020

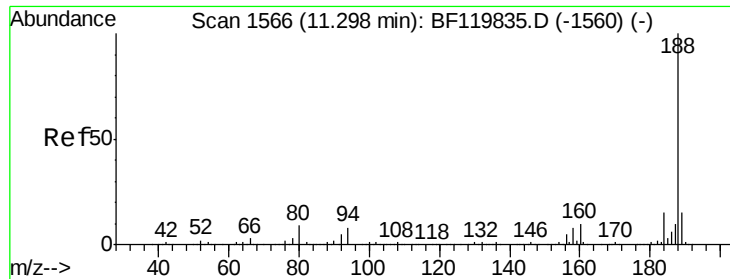
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	45.0	67.4#
89	1.3	41.5	62.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.676 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.21 min
 Lab File: BF120150.D
 Acq: 23 Apr 2020 3:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.6	64.0#
89	1.3	61.0	91.4#
182	0.0	2.2	3.2#

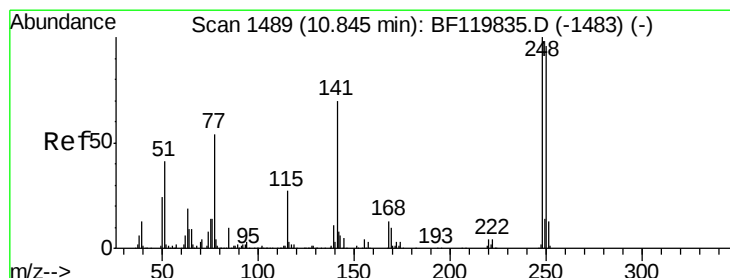
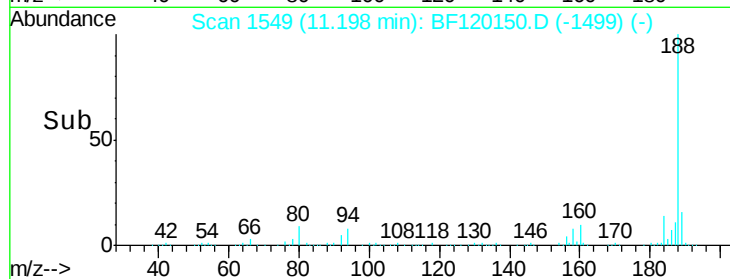
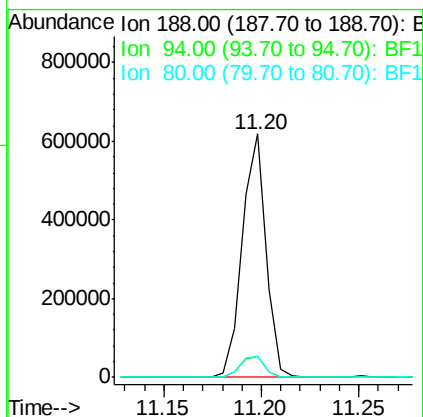
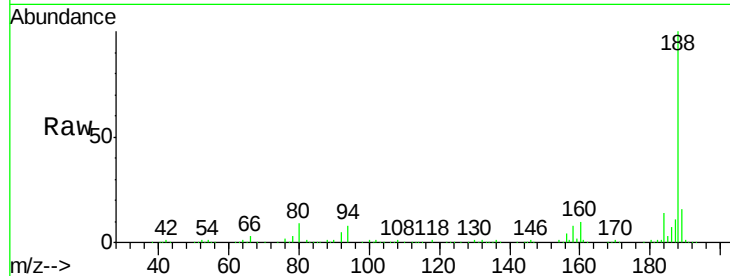




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF120150.D
 Acq: 23 Apr 2020 3:51

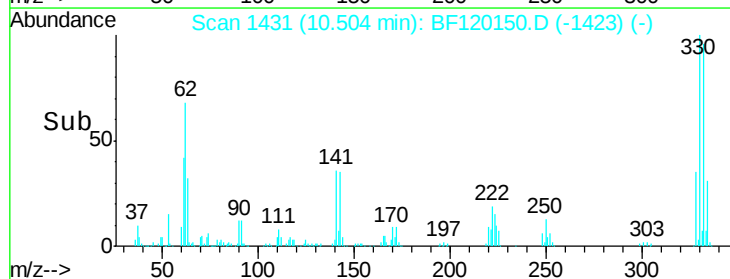
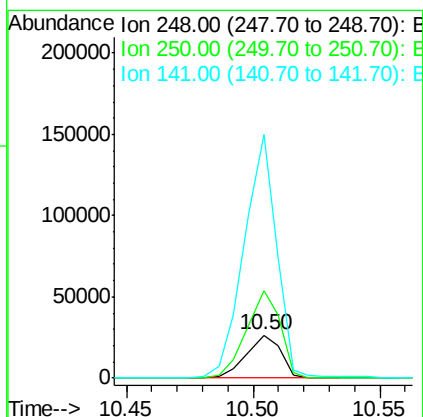
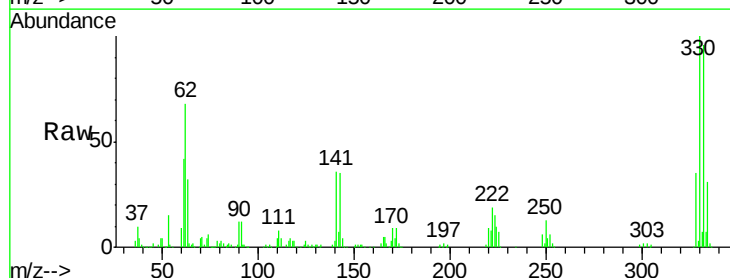
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020

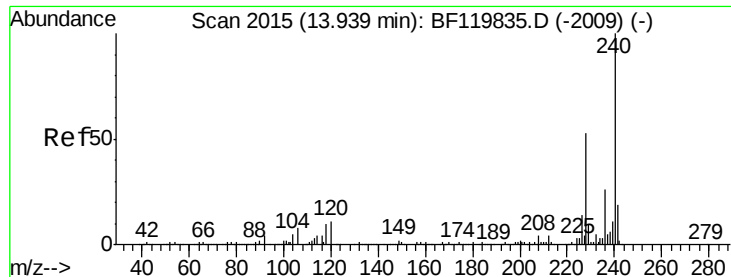
Tot Ion:188 Resp: 518949
 Ion Ratio Lower Upper
 188 100
 94 8.4 7.5 11.3
 80 8.6 9.0 13.4#



#67
 4-Bromophenyl-phenylether
 Concen: 3.847 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.25 min
 Lab File: BF120150.D
 Acq: 23 Apr 2020 3:51

Tgt Ion:248 Resp: 24828
 Ion Ratio Lower Upper
 248 100
 250 203.1 77.3 115.9#
 141 567.5 58.6 87.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.02 min

Lab File: BF120150.D

Acq: 23 Apr 2020 3:51

Instrument :

BNA_F

ClientSampleId :

TR-05-042020

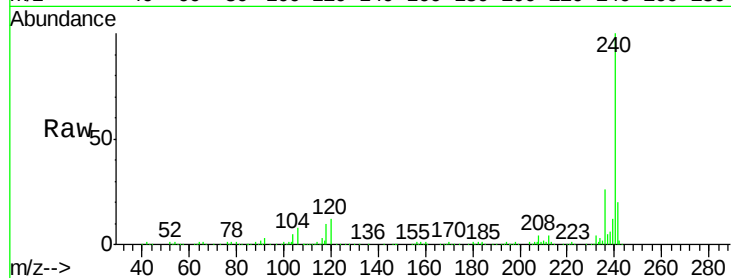
Tot Ion:240 Resp: 391047

Ion Ratio Lower Upper

240 100

120 11.5 10.6 15.8

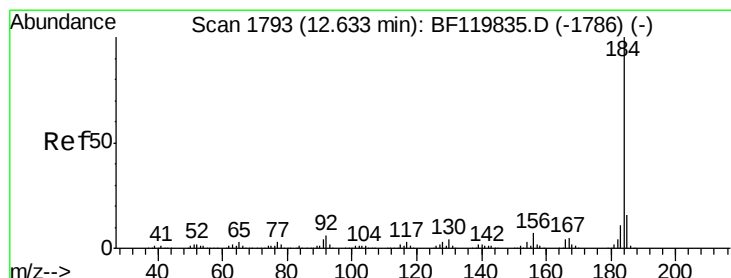
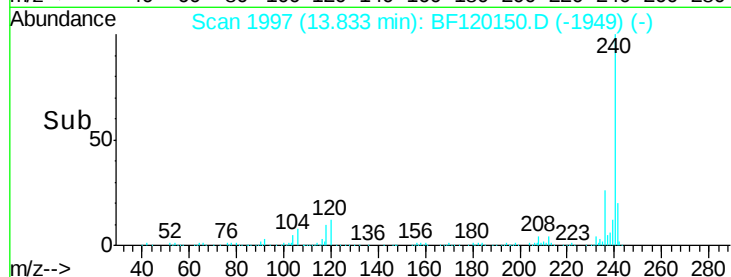
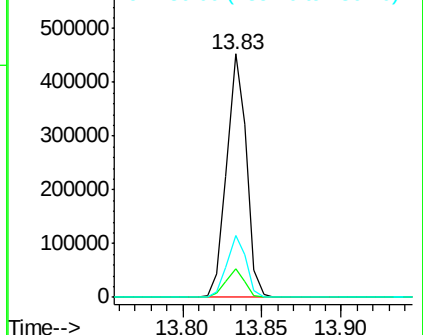
236 25.6 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 40.581 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF120150.D

Acq: 23 Apr 2020 3:51

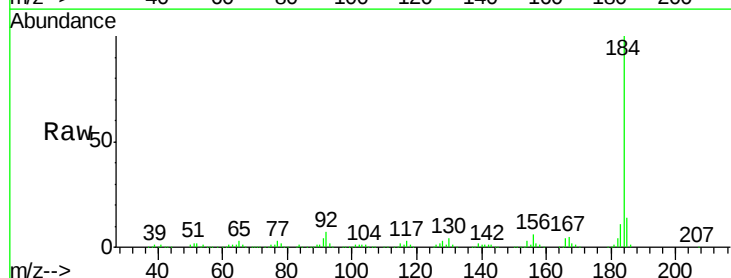
Tgt Ion:184 Resp: 536425

Ion Ratio Lower Upper

184 100

185 13.9 12.3 18.5

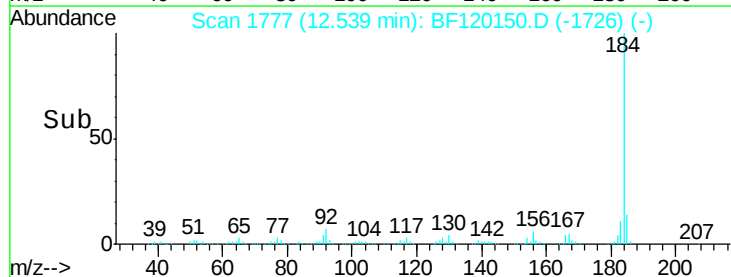
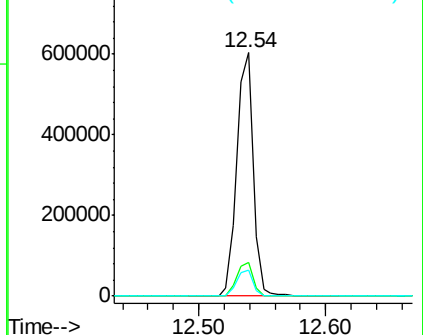
183 10.8 9.0 13.6

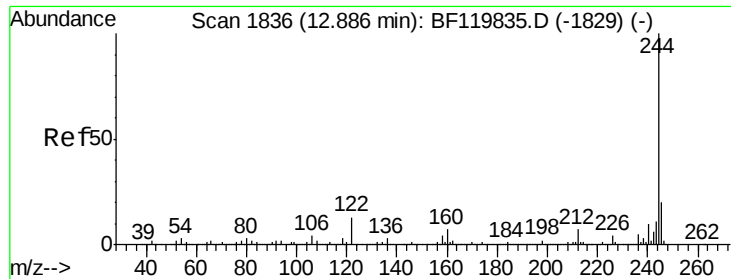


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

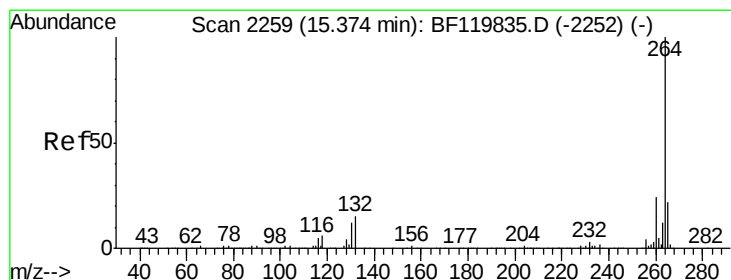
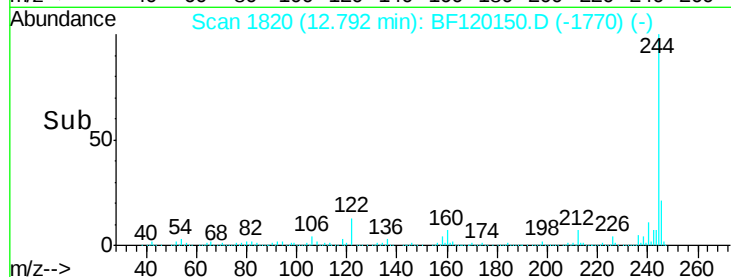
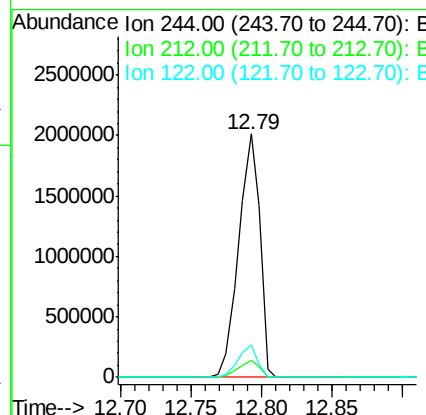
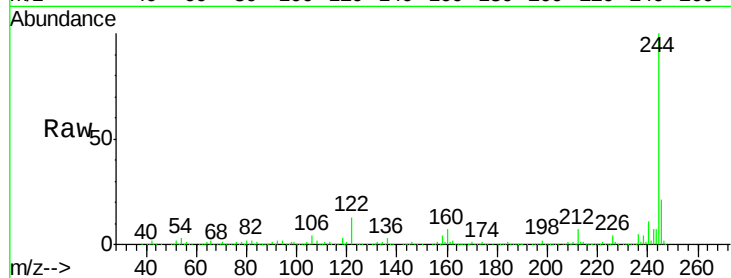




#79
 Terphenyl-d14
 Concen: 90.001 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF120150.D
 Acq: 23 Apr 2020 3:51

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020

Tot Ion:244 Resp: 2091608
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 13.4 10.3 15.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.02 min
 Lab File: BF120150.D
 Acq: 23 Apr 2020 3:51

Tgt Ion:264 Resp: 319968
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.7 28.1
 265 20.5 17.7 26.5

