

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121919\
 Data File : BF118285.D
 Acq On : 19 Dec 2019 18:01
 Operator : JU
 Sample : K6317-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 02:13:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

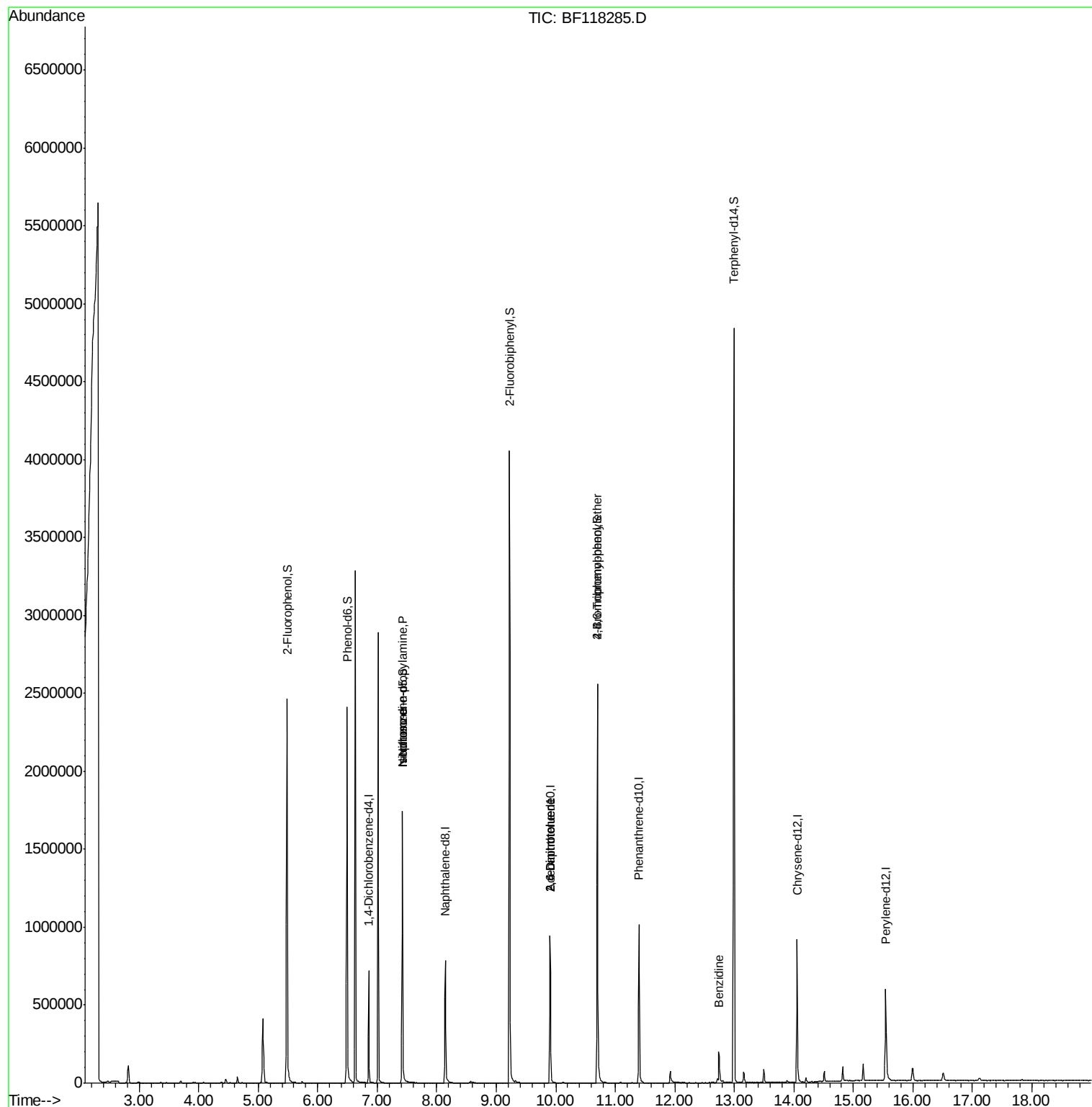
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	100716	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	389340	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	207362	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	410284	20.00	ng	-0.01
76) Chrysene-d12	14.05	240	325745	20.00	ng	-0.02
87) Perylene-d12	15.54	264	307357	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	763541	132.78	ng	0.00
7) Phenol-d6	6.49	99	878068	126.25	ng	0.00
23) Nitrobenzene-d5	7.42	82	622083	89.89	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	371817	147.60	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	1272817	93.40	ng	-0.02
79) Terphenyl-d14	12.99	244	1730457	91.35	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	1315	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.42	70	84932	20.096 ng	#	76
25) Isophorone	7.42	82	617546	52.638 ng	#	62
51) 2,6-Dinitrotoluene	9.90	165	26458	7.944 ng	#	27
57) 2,4-Dinitrotoluene	9.90	165	26459	5.952 ng	#	25
67) 4-Bromophenyl-phenylether	10.70	248	23109	4.934 ng	#	1
77) Benizidine	12.74	184	105028	12.248 ng		97

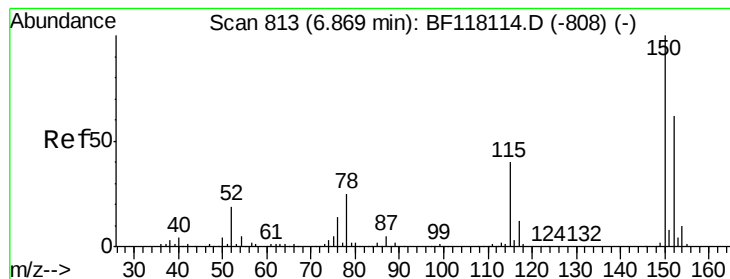
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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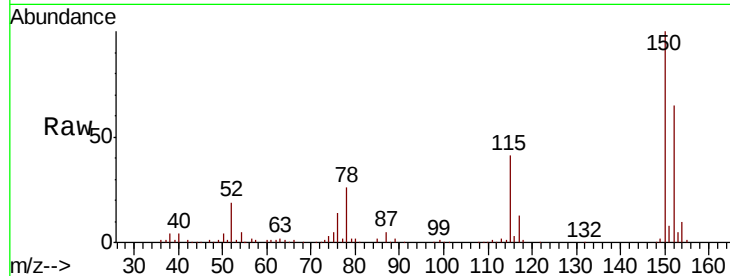


#1

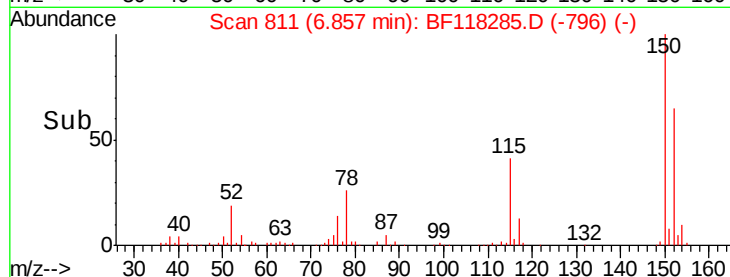
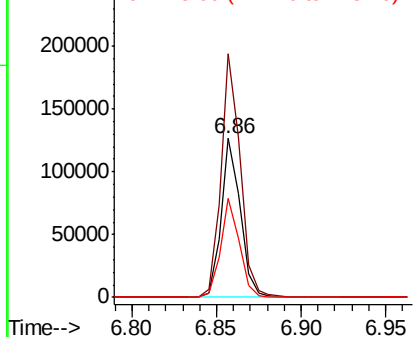
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118285.D
Acq: 19 Dec 2019 18:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 100716
Ion Ratio Lower Upper
152 100
150 153.6 128.3 192.5
115 62.6 51.1 76.7



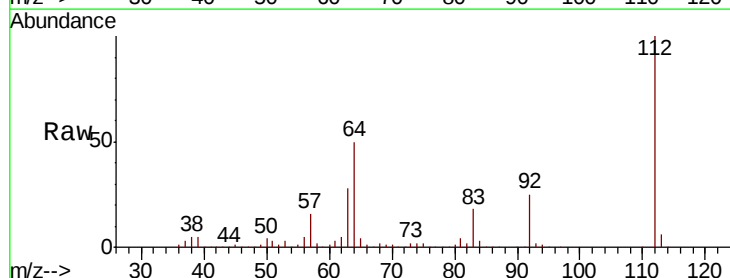
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



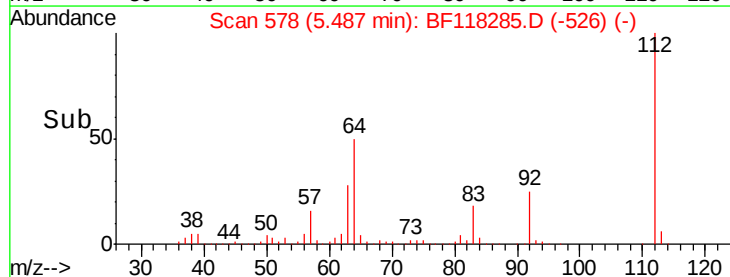
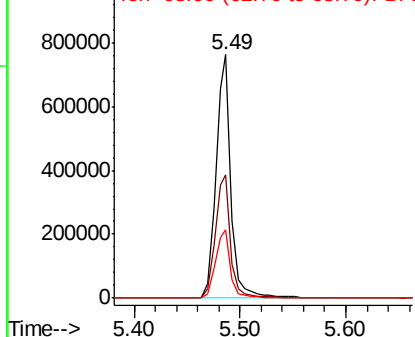
#5

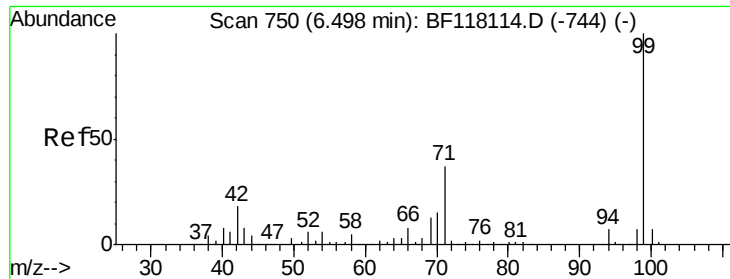
2-Fluorophenol
Concen: 132.781 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118285.D
Acq: 19 Dec 2019 18:01

Tgt Ion:112 Resp: 763541
Ion Ratio Lower Upper
112 100
64 50.5 41.3 61.9
63 28.1 22.4 33.6



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: 126.245 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118285.D

Acq: 19 Dec 2019 18:01

Instrument :

BNA_F

ClientSampled :

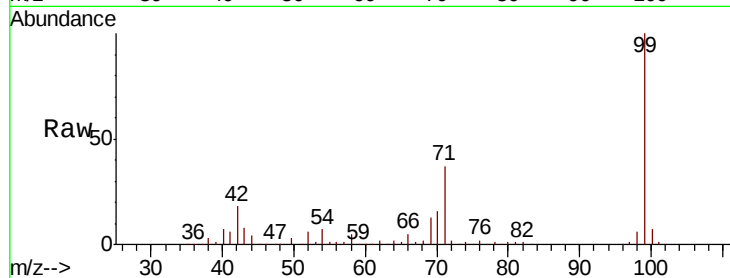
Tot Ion: 99 Resp: 878068

Ion Ratio Lower Upper

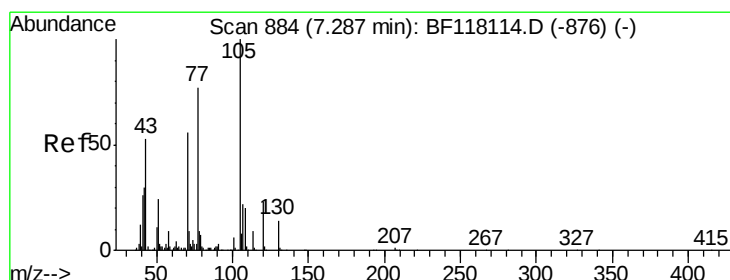
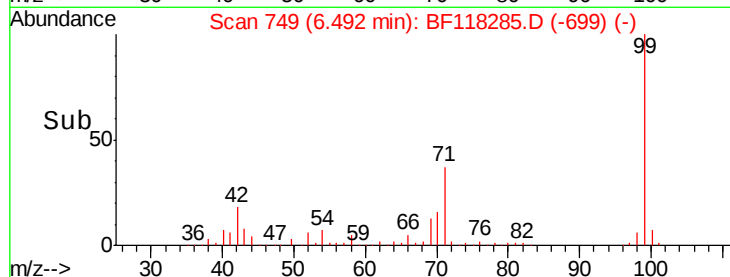
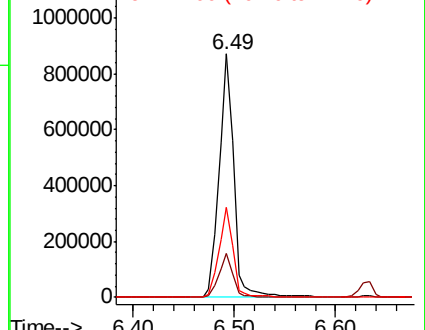
99 100

42 17.8 14.1 21.1

71 36.8 29.7 44.5



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 20.096 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF118285.D

Acq: 19 Dec 2019 18:01

Tgt Ion: 70 Resp: 84932

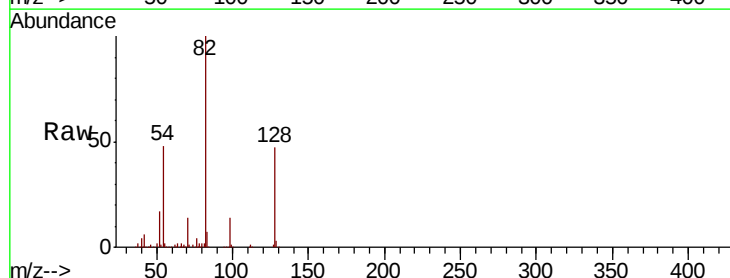
Ion Ratio Lower Upper

70 100

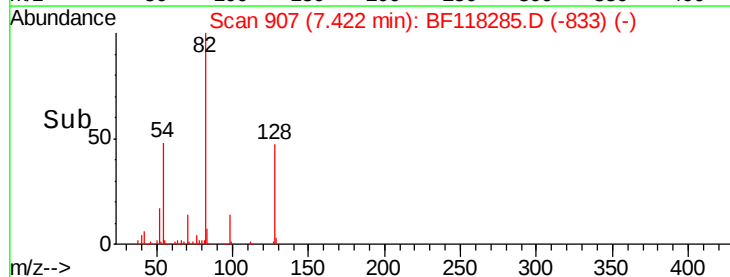
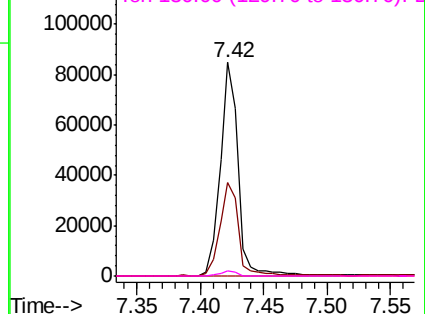
42 44.0 43.2 64.8

101 0.0 8.1 12.1#

130 2.3 19.8 29.8#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

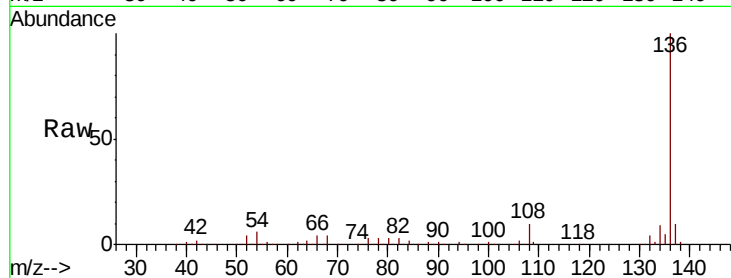




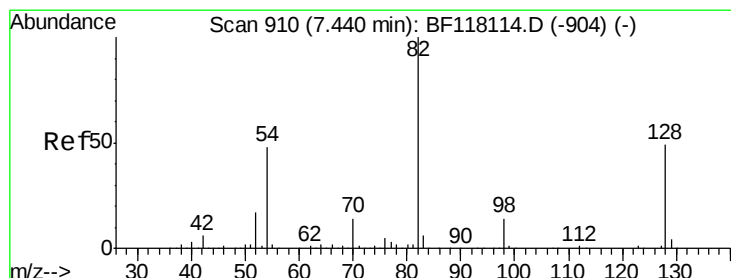
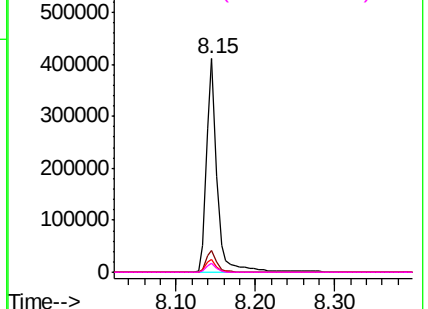
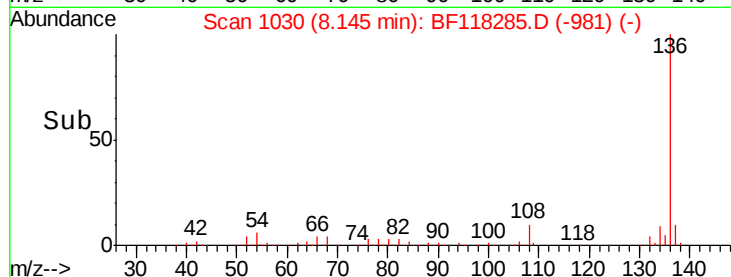
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118285.D
Acq: 19 Dec 2019 18:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	389340
Ion	Ratio	Lower Upper
136	100	
137	10.3	9.0 13.6
54	5.8	5.0 7.6
68	4.4	3.8 5.8

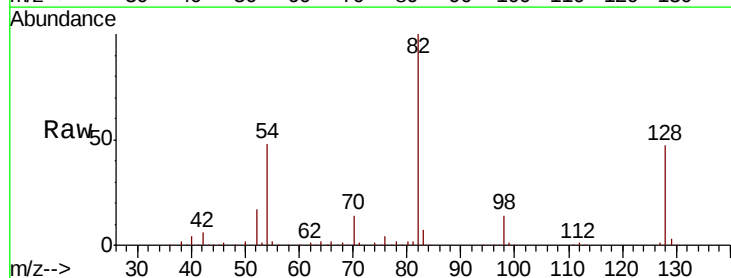


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

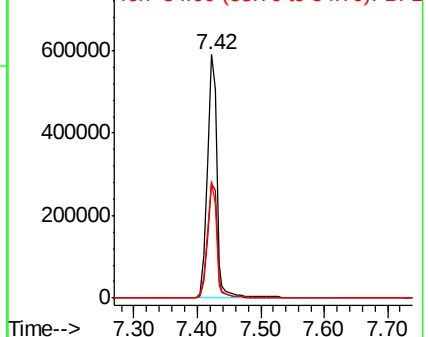
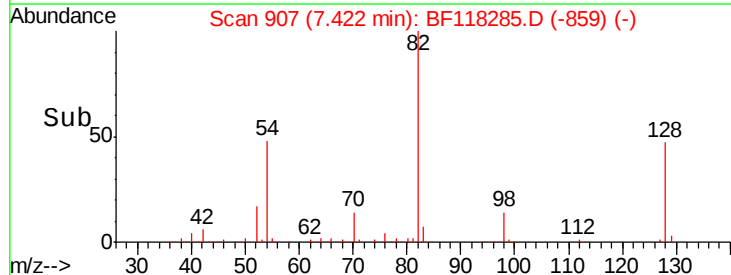


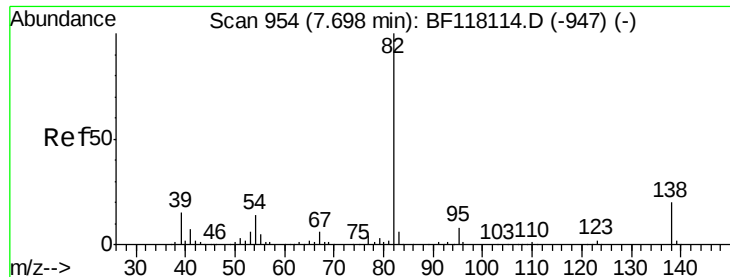
#23
Nitrobenzene-d5
Concen: 89.888 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118285.D
Acq: 19 Dec 2019 18:01

Tgt Ion: 82	Resp:	622083
Ion	Ratio	Lower Upper
82	100	
128	47.1	39.1 58.7
54	48.1	38.2 57.2



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: 52.638 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF118285.D

Acq: 19 Dec 2019 18:01

Instrument :

BNA_F

ClientSampleId :

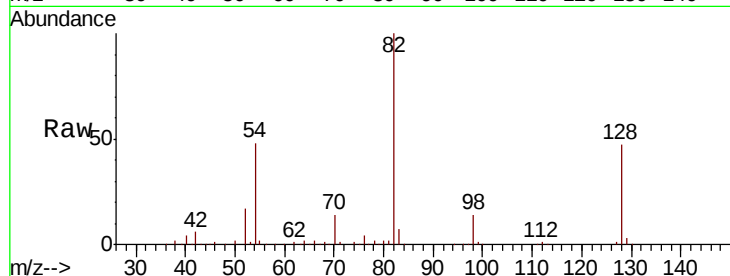
Tot Ion: 82 Resp: 617546

Ion Ratio Lower Upper

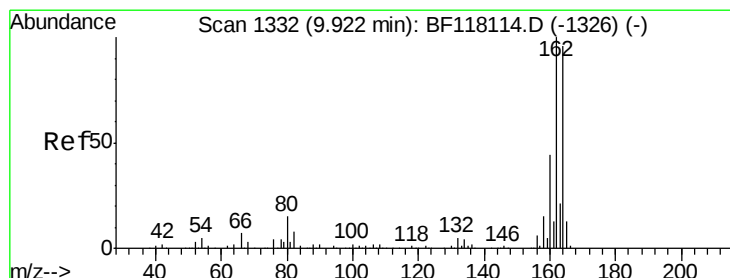
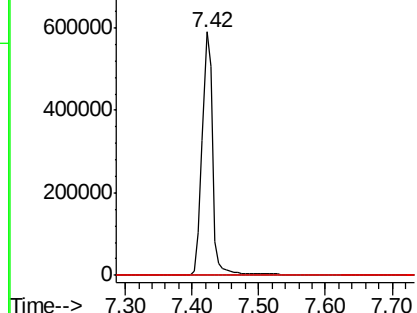
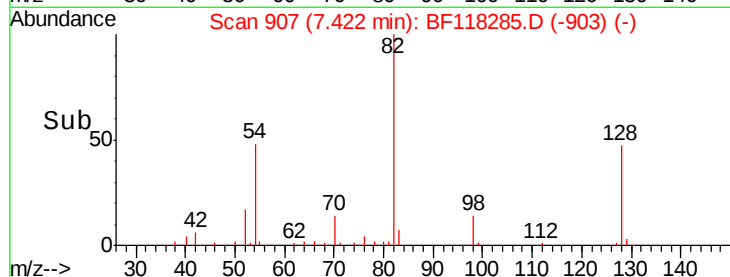
82 100

95 0.0 6.3 9.5#

138 0.0 16.3 24.5#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF118285.D

Acq: 19 Dec 2019 18:01

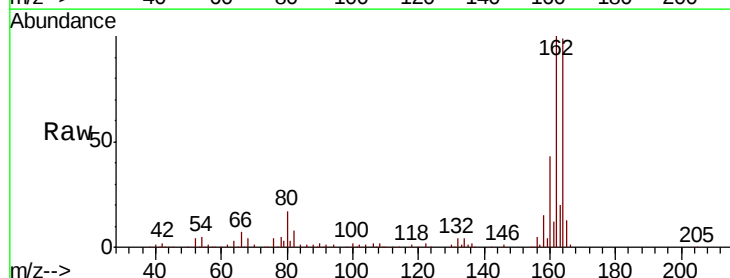
Tgt Ion:164 Resp: 207362

Ion Ratio Lower Upper

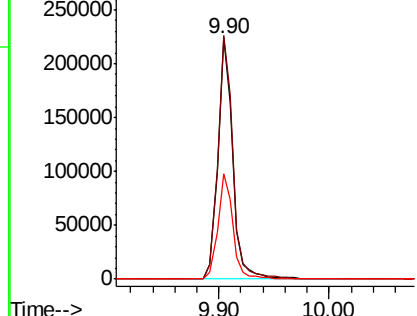
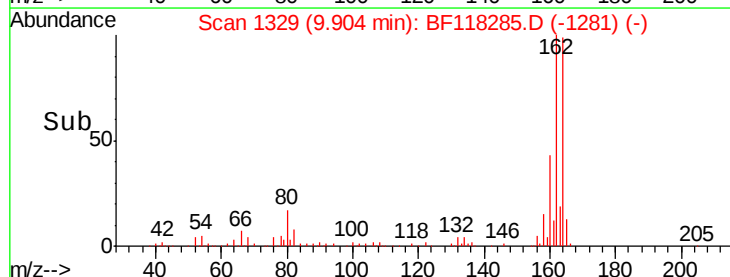
164 100

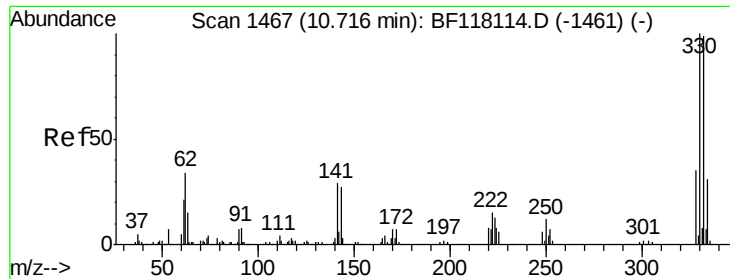
162 101.2 83.4 125.0

160 43.6 36.6 54.8



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

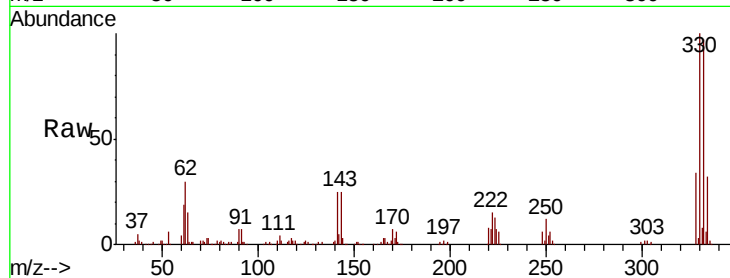




#42
 2,4,6-Tribromophenol
 Concen: 147.601 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118285.D
 Acq: 19 Dec 2019 18:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	78.1	117.1
141	32.5	26.9	40.3

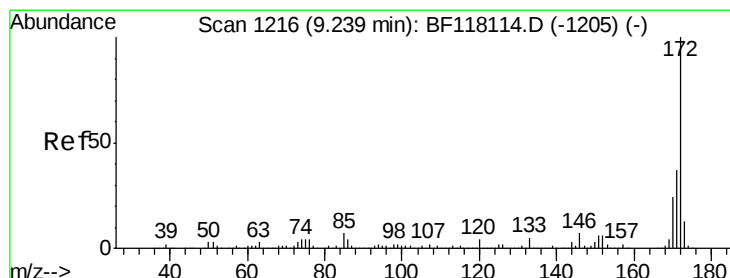
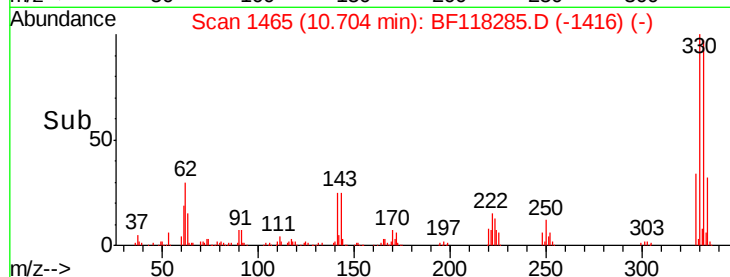
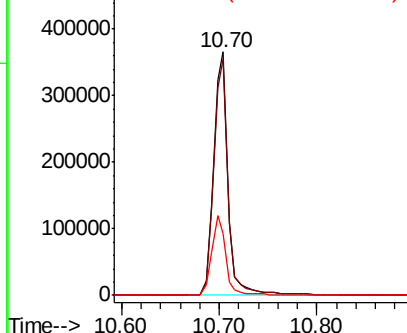


Abundance

Ion 329.80 (329.50 to 330.50): E

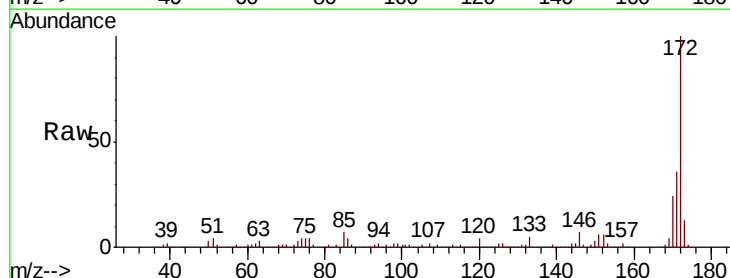
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 93.401 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: BF118285.D
 Acq: 19 Dec 2019 18:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.2	43.8
170	23.6	19.4	29.2

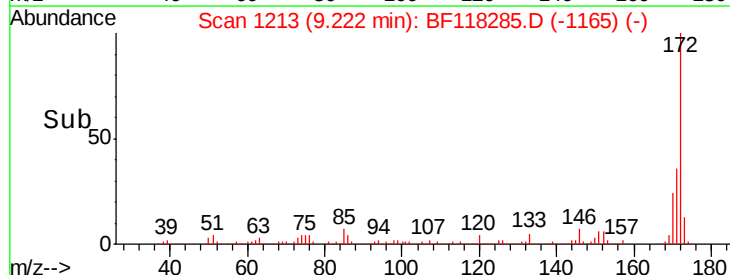
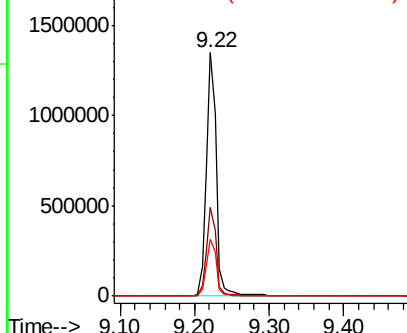


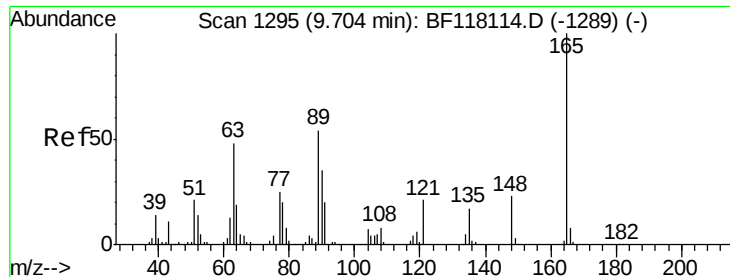
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

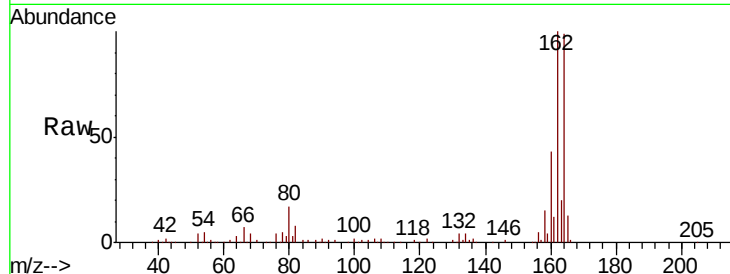




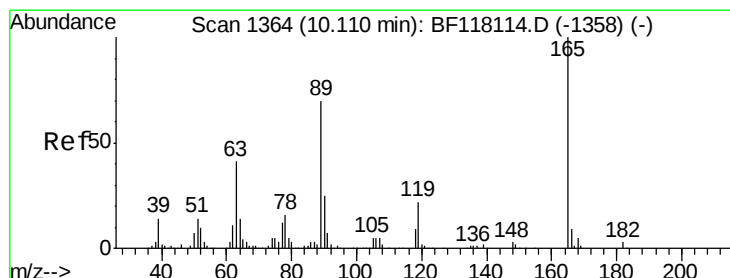
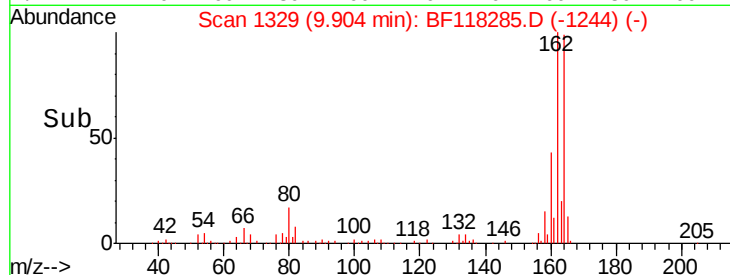
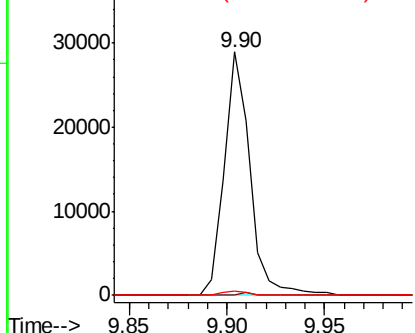
#51
 2,6-Dinitrotoluene
 Concen: 7.944 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.20 min
 Lab File: BF118285.D
 Acq: 19 Dec 2019 18:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.4	62.0#
89	2.0	42.9	64.3#



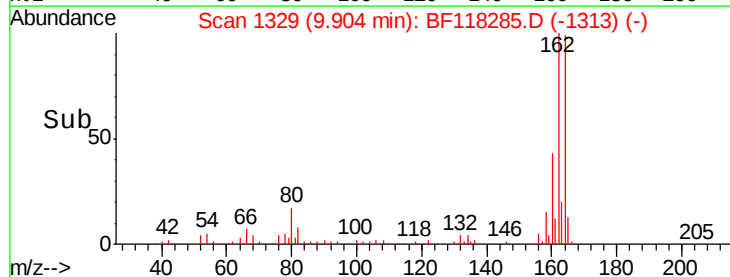
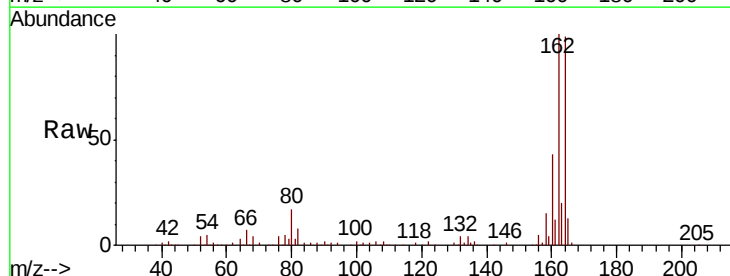
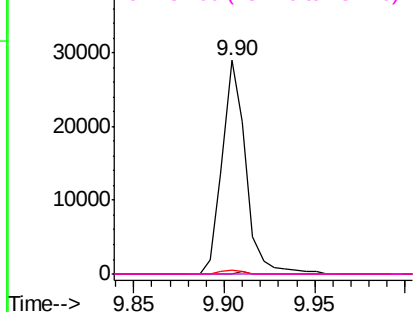
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

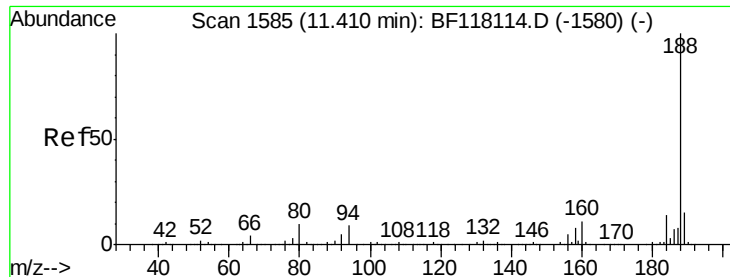


#57
 2,4-Dinitrotoluene
 Concen: 5.952 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF118285.D
 Acq: 19 Dec 2019 18:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.6	49.0#
89	2.0	56.1	84.1#
182	0.0	2.1	3.1#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

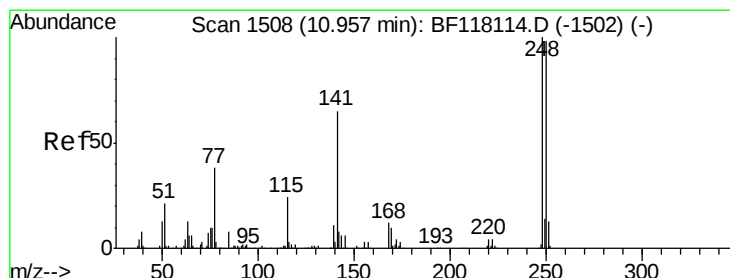
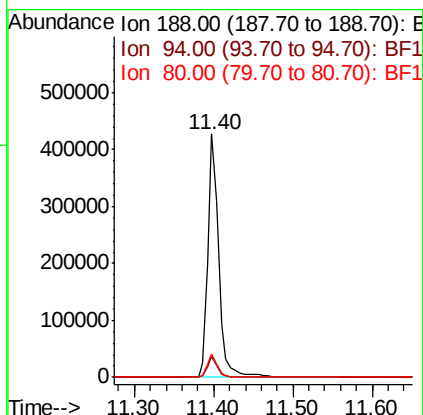
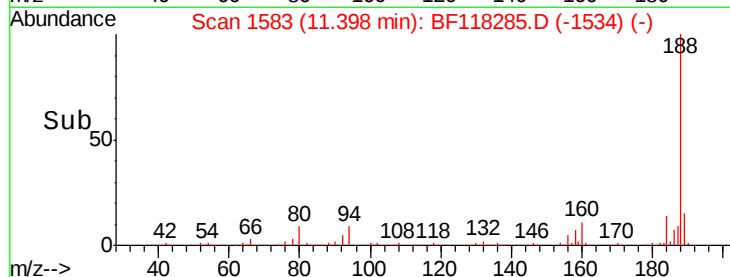
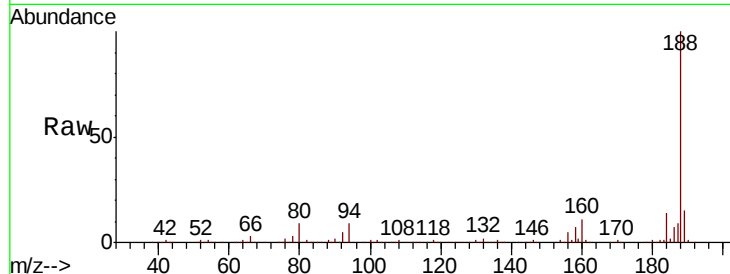




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF118285.D
 Acq: 19 Dec 2019 18:01

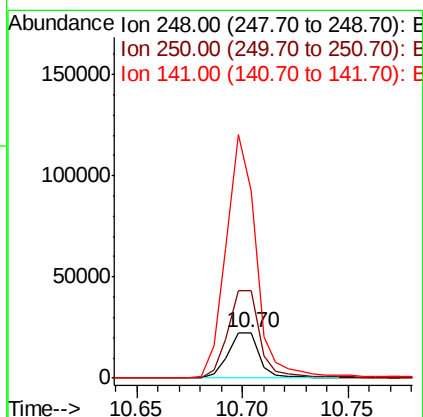
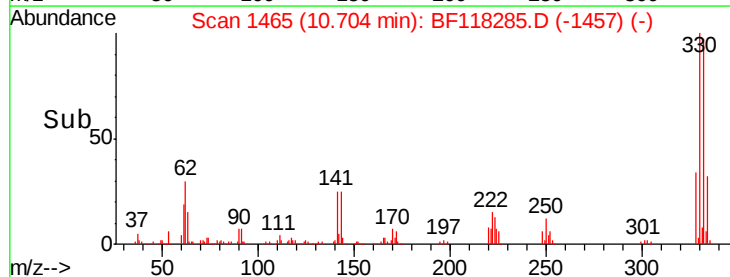
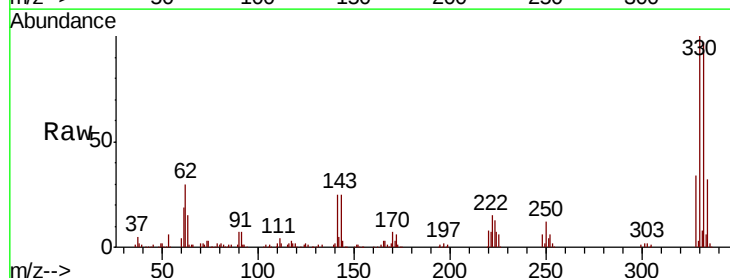
Instrument :
 BNA_F
 ClientSampled :

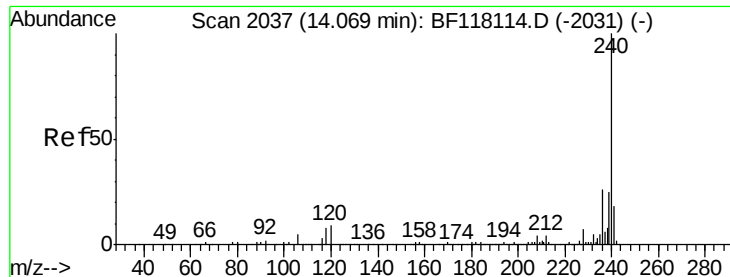
Tot Ion:188 Resp: 410284
 Ion Ratio Lower Upper
 188 100
 94 8.6 7.1 10.7
 80 9.4 7.9 11.9



#67
 4-Bromophenyl-phenylether
 Concen: 4.934 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118285.D
 Acq: 19 Dec 2019 18:01

Tgt Ion:248 Resp: 23109
 Ion Ratio Lower Upper
 248 100
 250 191.9 78.3 117.5#
 141 411.5 52.2 78.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF118285.D

Acq: 19 Dec 2019 18:01

Instrument :

BNA_F

ClientSampleId :

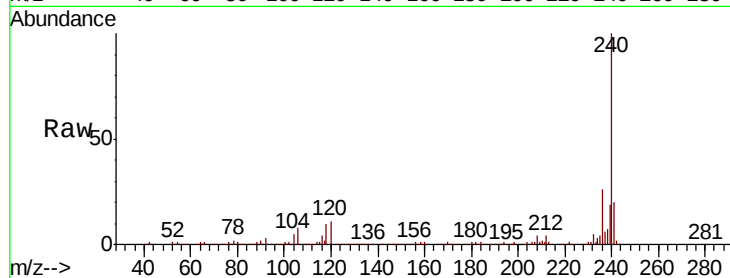
Tot Ion:240 Resp: 325745

Ion Ratio Lower Upper

240 100

120 11.1 7.1 10.7#

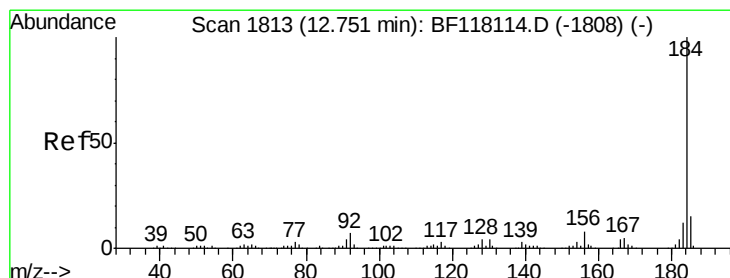
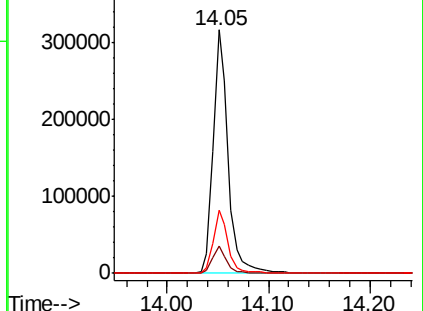
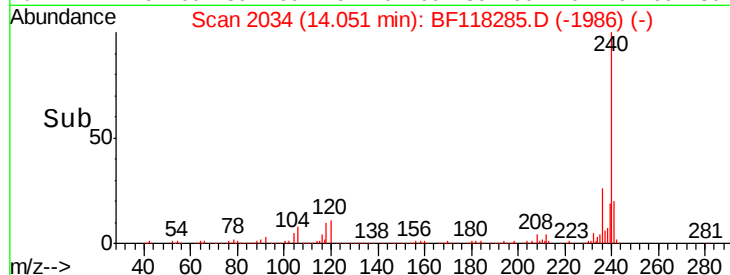
236 26.1 21.0 31.6



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: 12.248 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF118285.D

Acq: 19 Dec 2019 18:01

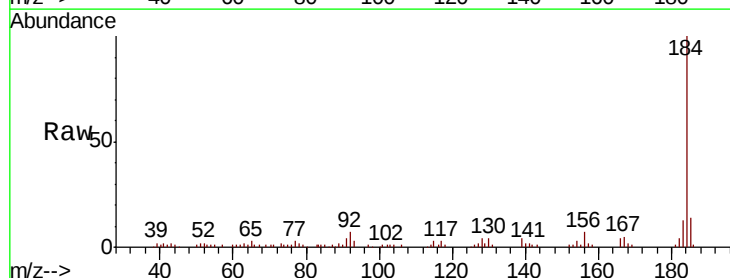
Tgt Ion:184 Resp: 105028

Ion Ratio Lower Upper

184 100

185 13.5 12.3 18.5

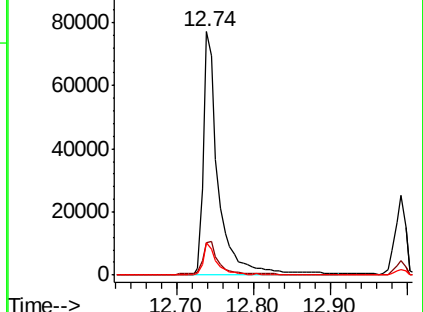
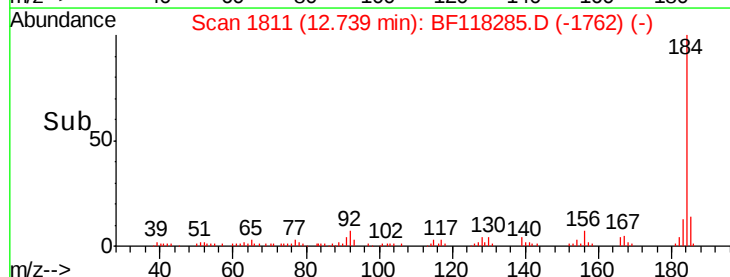
183 13.3 9.9 14.9

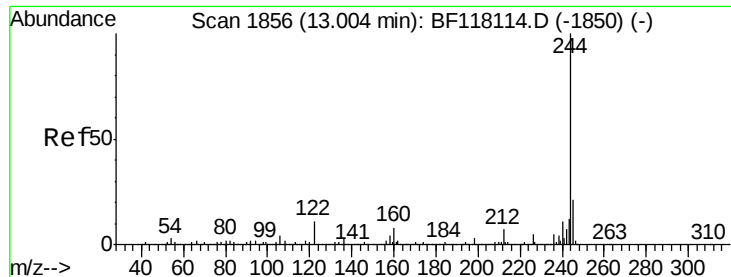


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 91.352 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF118285.D

Acq: 19 Dec 2019 18:01

Instrument :

BNA_F

ClientSampleId :

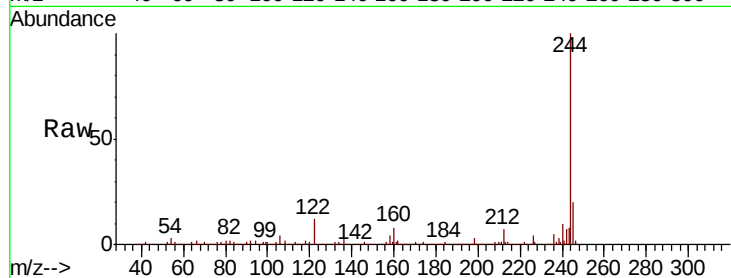
Tot Ion:244 Resp: 1730457

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

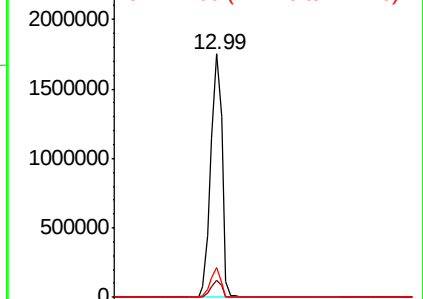
122 12.0 9.0 13.6



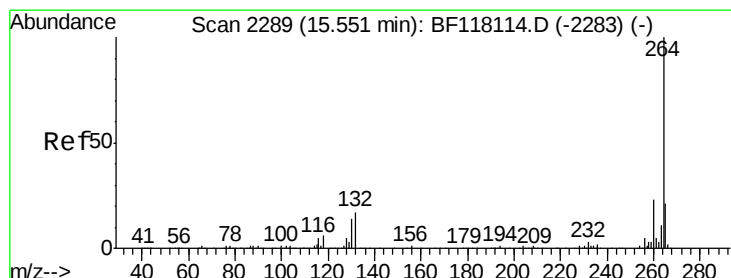
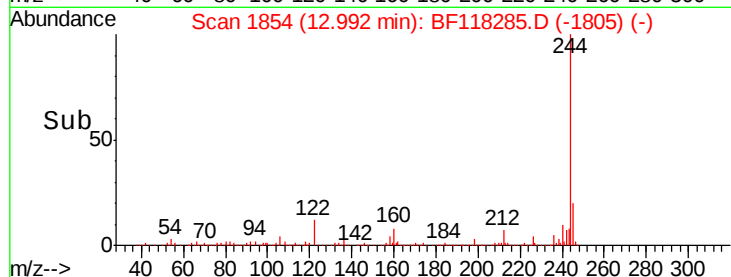
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BF118285.D

Acq: 19 Dec 2019 18:01

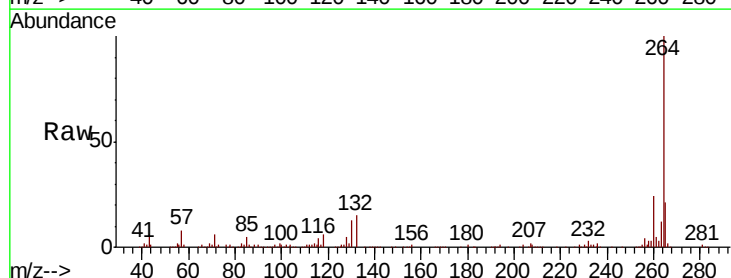
Tgt Ion:264 Resp: 307357

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

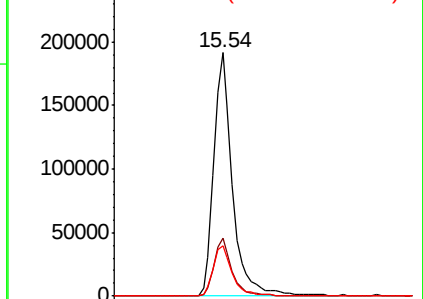
265 20.7 16.8 25.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->

