

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
 Data File : BF118338.D
 Acq On : 27 Dec 2019 15:21
 Operator : JU
 Sample : K6439-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 23:59:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

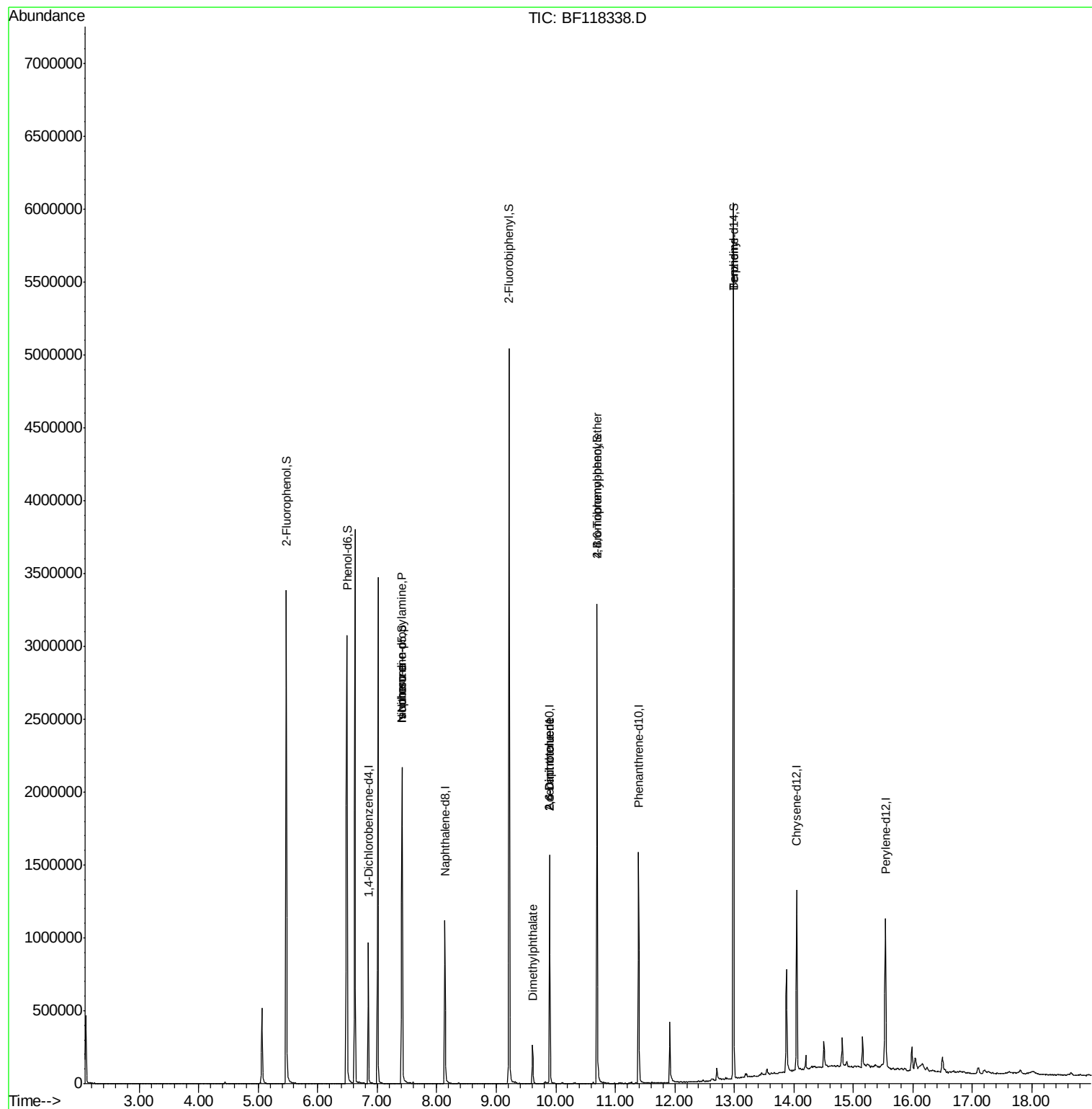
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	138091	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	552488	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	298561	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	577416	20.00	ng	0.00
76) Chrysene-d12	14.04	240	412007	20.00	ng	0.00
87) Perylene-d12	15.54	264	388662	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1002054	123.87	ng	0.01
7) Phenol-d6	6.49	99	1272128	126.76	ng	0.00
23) Nitrobenzene-d5	7.42	82	762782	78.97	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	465369	126.22	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1618500	82.75	ng	0.00
79) Terphenyl-d14	12.99	244	2070665	83.38	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	104634	16.925	ng	# 77
25) Isophorone	7.42	82	758245	45.040	ng	# 62
50) Dimethylphthalate	9.61	163	114025	5.088	ng	# 99
51) 2,6-Dinitrotoluene	9.90	165	37891	7.842	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	37891	5.869	ng	# 29
67) 4-Bromophenyl-phenylether	10.70	248	28691	4.246	ng	# 1
77) Benzidine	12.99	184	28363	2.512	ng	# 92

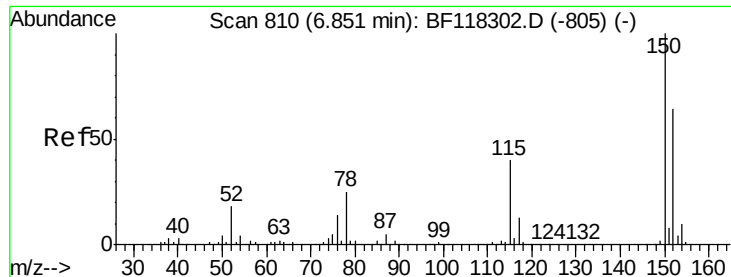
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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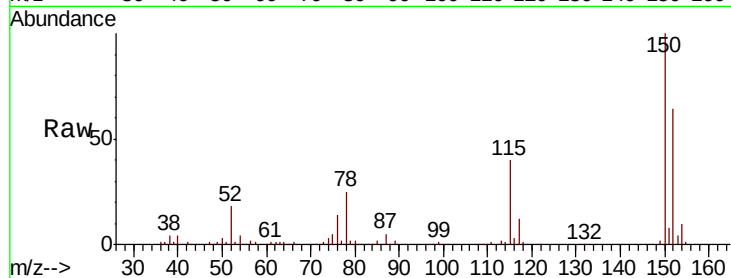


#1

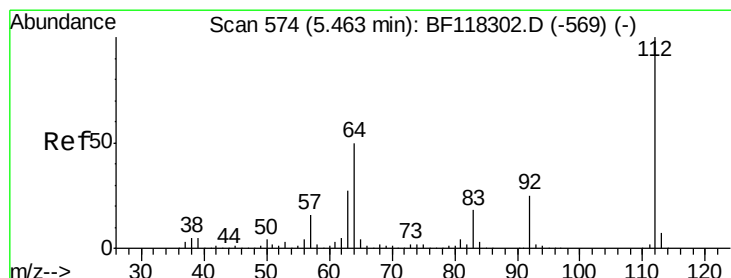
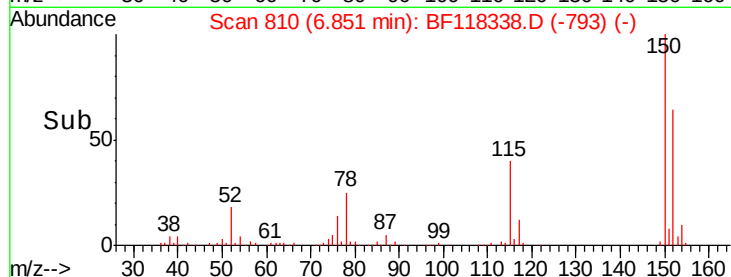
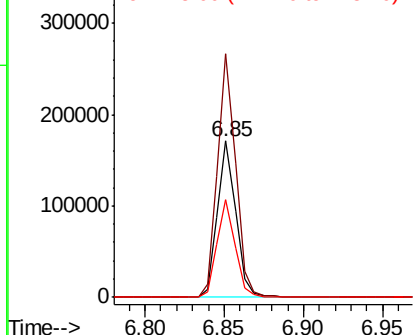
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118338.D
Acq: 27 Dec 2019 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138091
Ion Ratio Lower Upper
152 100
150 156.1 125.4 188.2
115 62.3 50.2 75.4



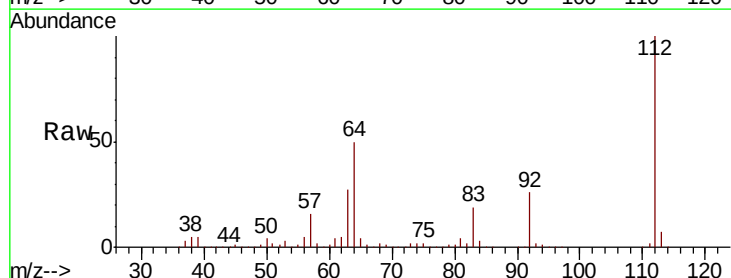
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



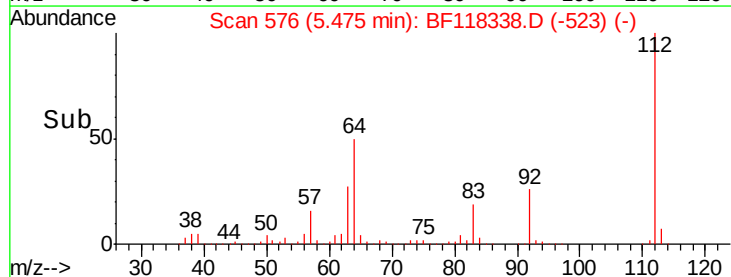
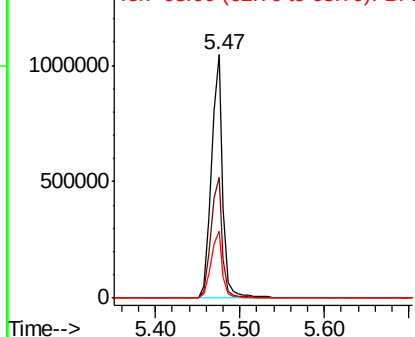
#5

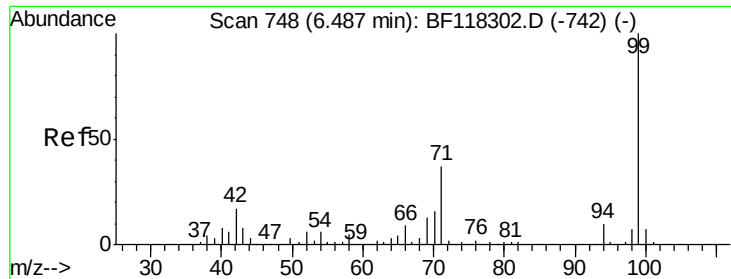
2-Fluorophenol
Concen: 123.867 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF118338.D
Acq: 27 Dec 2019 15:21

Tgt Ion:112 Resp: 1002054
Ion Ratio Lower Upper
112 100
64 49.8 39.7 59.5
63 27.4 21.7 32.5



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: 126.762 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF118338.D

Acq: 27 Dec 2019 15:21

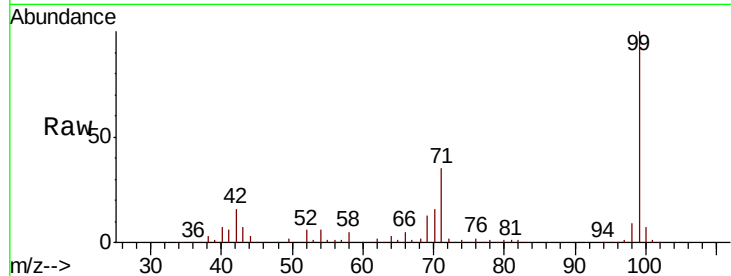
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1272128

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.5	20.3
71	35.3	29.4	44.2

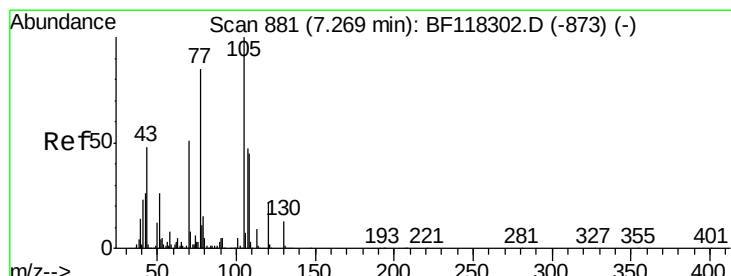
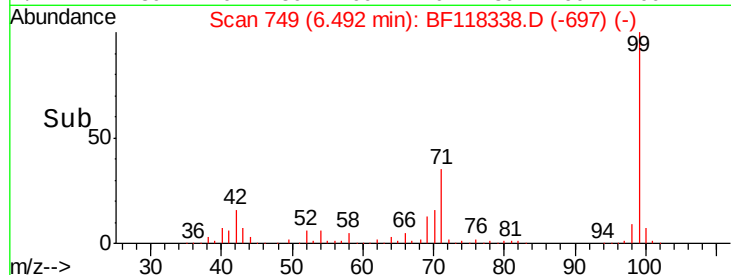


Abundance

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: 16.925 ng

RT: 7.42 min Scan# 906

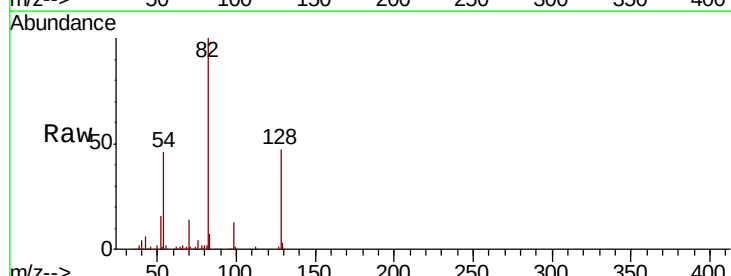
Delta R.T. 0.15 min

Lab File: BF118338.D

Acq: 27 Dec 2019 15:21

Tgt Ion: 70 Resp: 104634

Ion	Ratio	Lower	Upper
70	100		
42	43.9	41.1	61.7
101	0.0	8.3	12.5#
130	2.3	20.1	30.1#



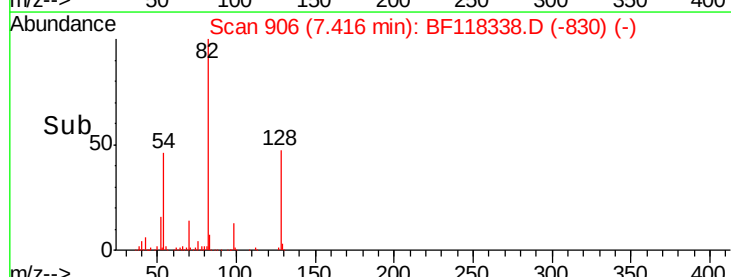
Abundance

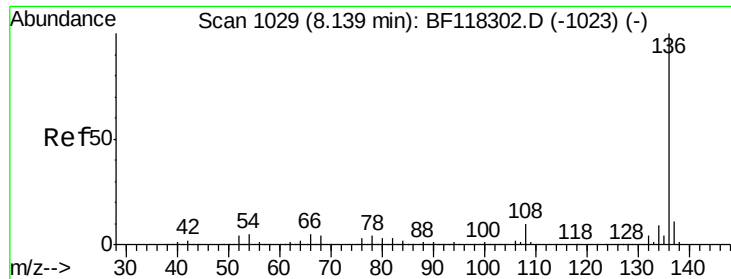
Ion 70.00 (69.70 to 70.70): BF1

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

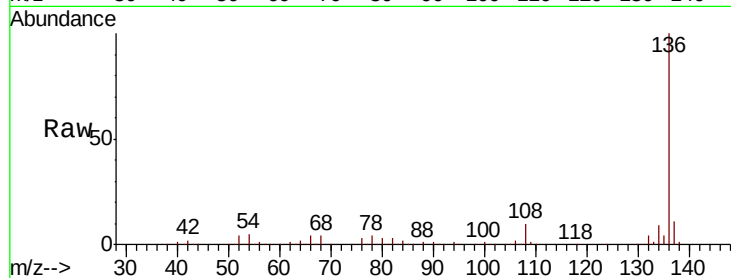




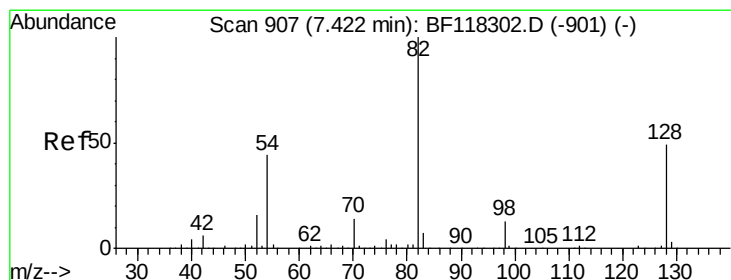
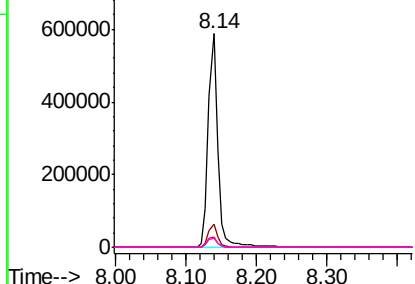
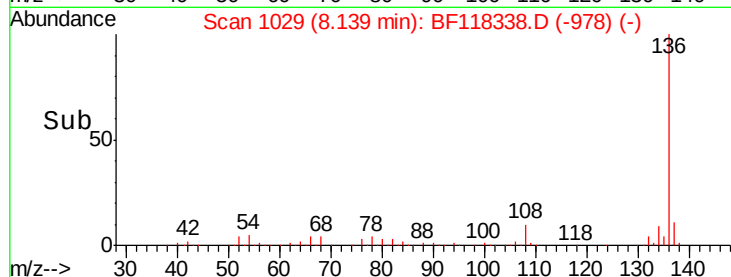
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118338.D
Acq: 27 Dec 2019 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	552488
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	5.1	4.2	6.4
68	4.2	3.5	5.3

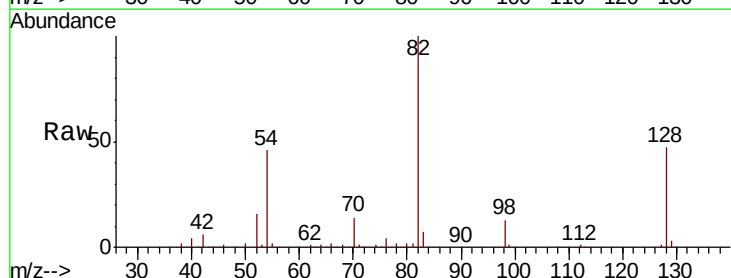


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

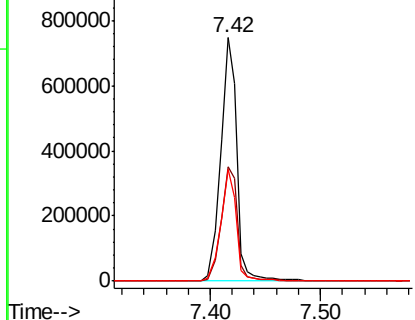
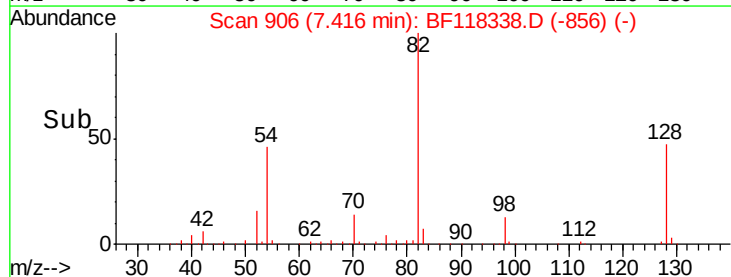


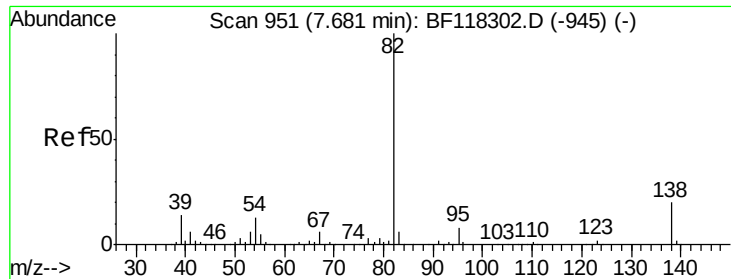
#23
Nitrobenzene-d5
Concen: 78.965 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118338.D
Acq: 27 Dec 2019 15:21

Tgt Ion:	82	Resp:	762782
Ion	Ratio	Lower	Upper
82	100		
128	46.8	39.6	59.4
54	46.0	34.9	52.3



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: 45.040 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118338.D

Acq: 27 Dec 2019 15:21

Instrument :

BNA_F

ClientSampleId :

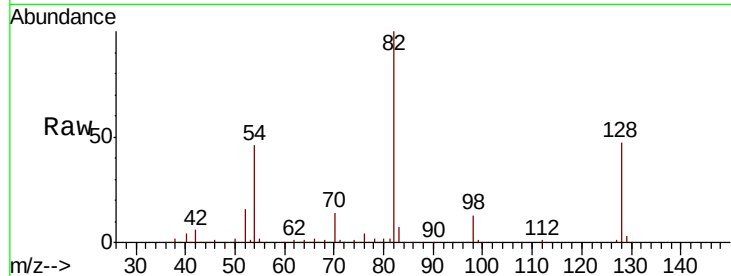
Tot Ion: 82 Resp: 758245

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

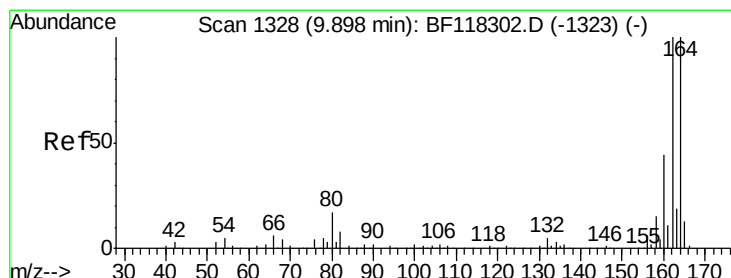
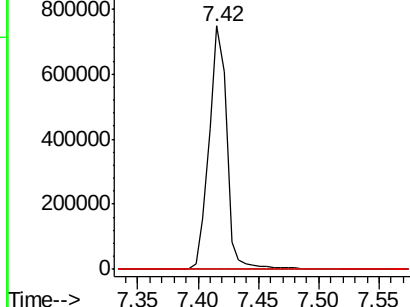
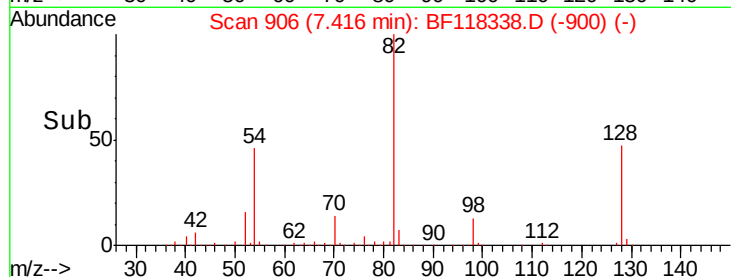
138 0.0 16.2 24.2#



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: 9.90 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF118338.D

Acq: 27 Dec 2019 15:21

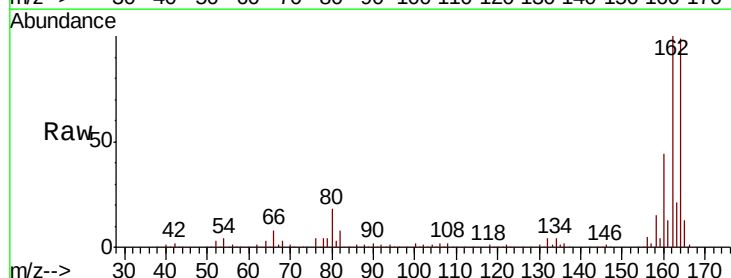
Tgt Ion:164 Resp: 298561

Ion Ratio Lower Upper

164 100

162 101.2 80.0 120.0

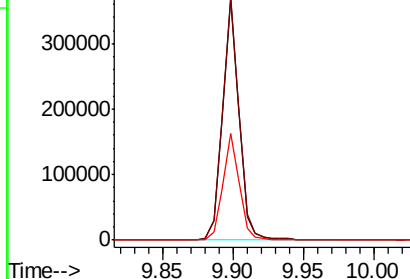
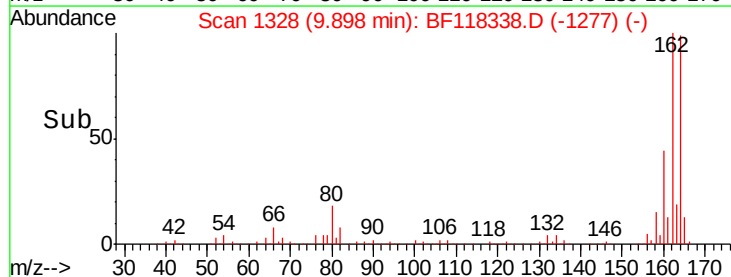
160 44.4 34.8 52.2

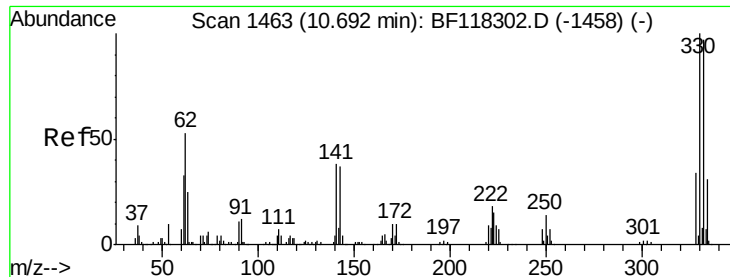


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

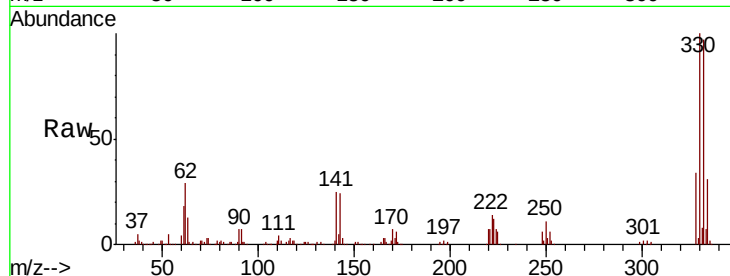




#42
 2,4,6-Tribromophenol
 Concen: 126.219 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118338.D
 Acq: 27 Dec 2019 15:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	114.8
141	32.2	26.0	39.0

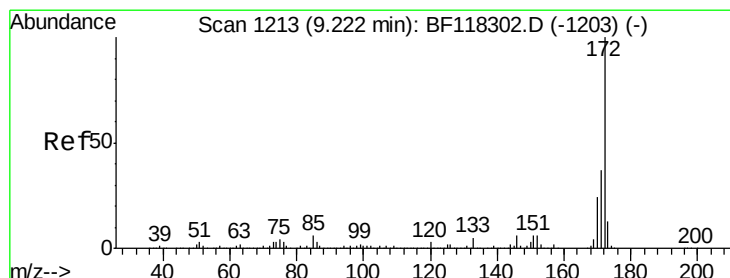
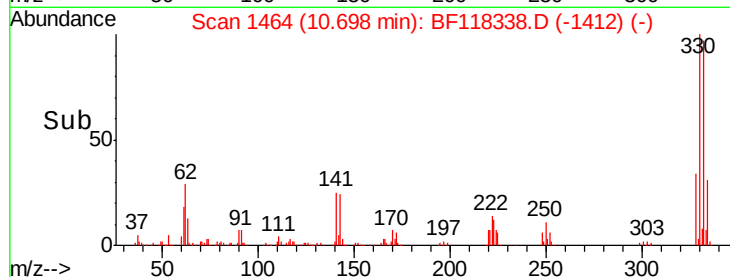
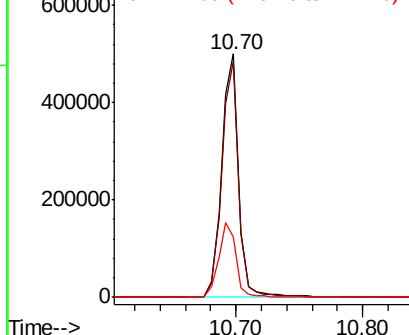


Abundance

Ion 329.80 (329.50 to 330.50): E

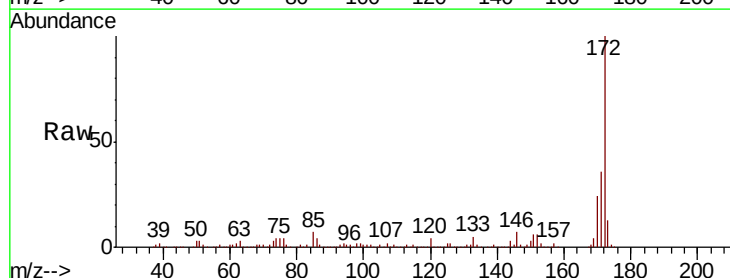
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 82.750 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118338.D
 Acq: 27 Dec 2019 15:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.3	43.9
170	23.9	19.2	28.8

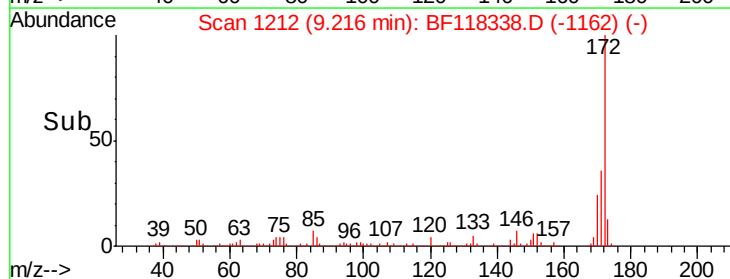
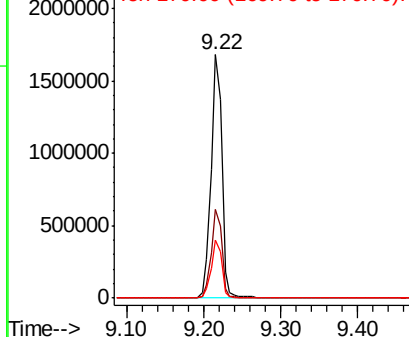


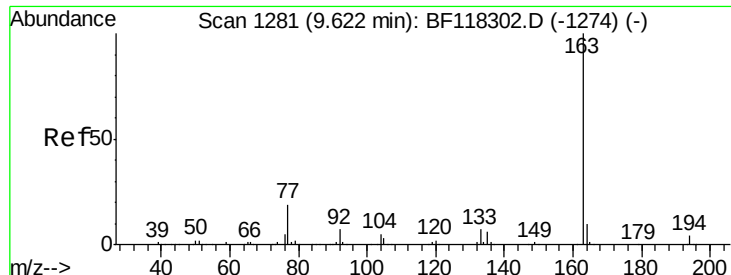
Abundance

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

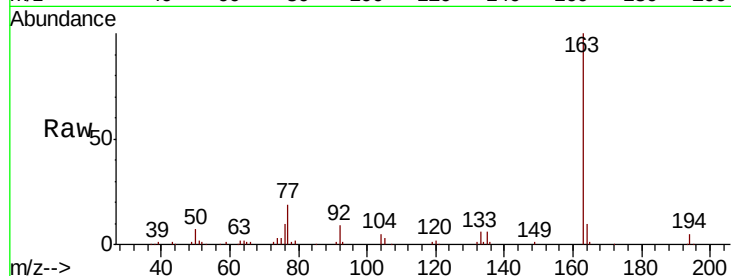




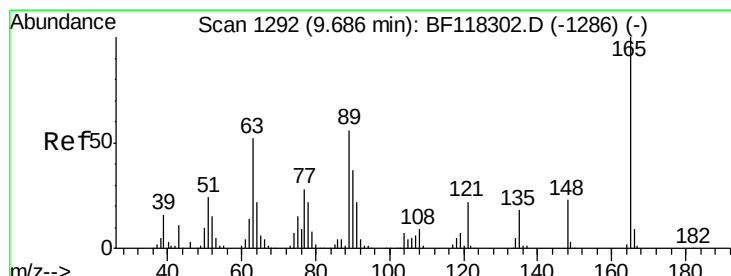
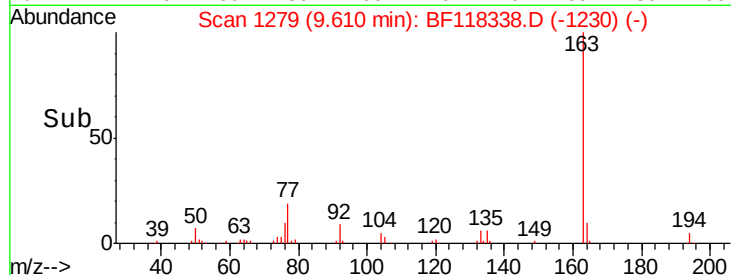
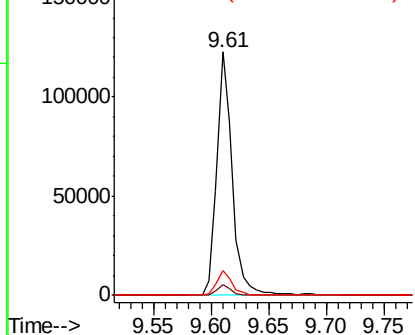
#50
Dimethylphthalate
Concen: 5.088 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118338.D
Acq: 27 Dec 2019 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 114025
Ion Ratio Lower Upper
163 100
194 4.6 3.2 4.8
164 10.1 7.9 11.9

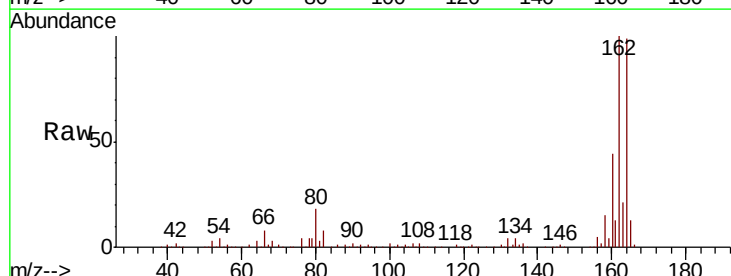


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

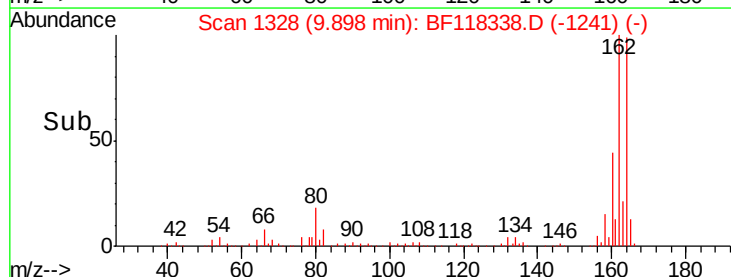
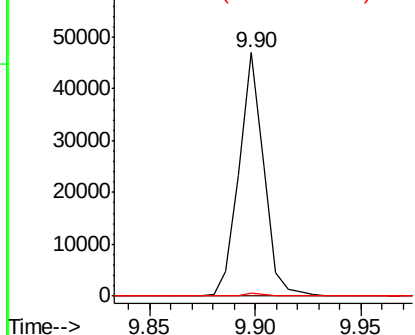


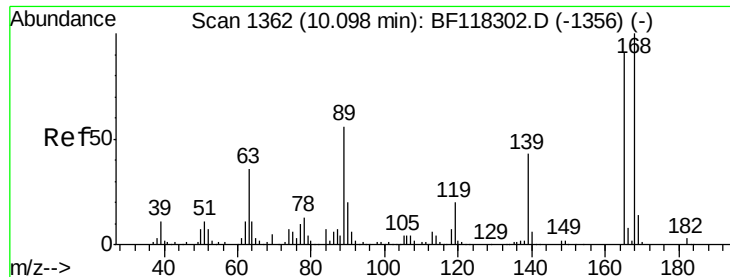
#51
2,6-Dinitrotoluene
Concen: 7.842 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF118338.D
Acq: 27 Dec 2019 15:21

Tgt Ion:165 Resp: 37891
Ion Ratio Lower Upper
165 100
63 0.0 42.2 63.4#
89 1.4 44.4 66.6#



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

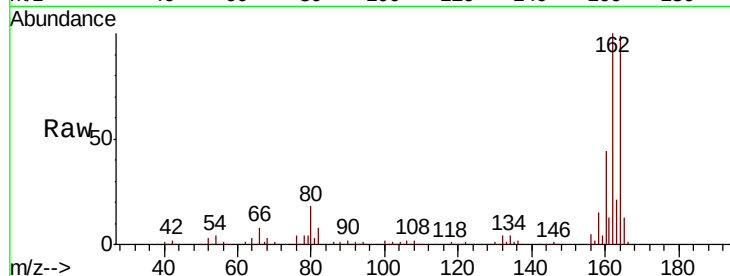




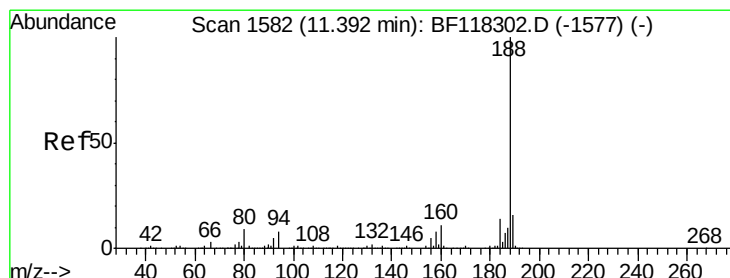
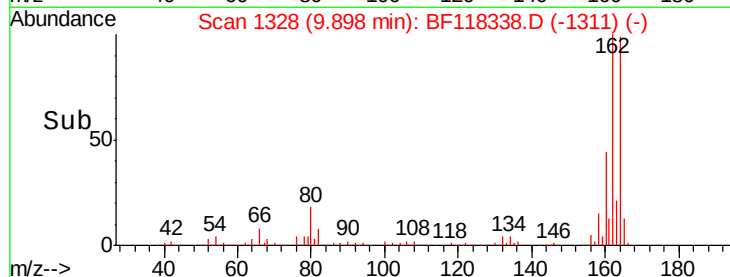
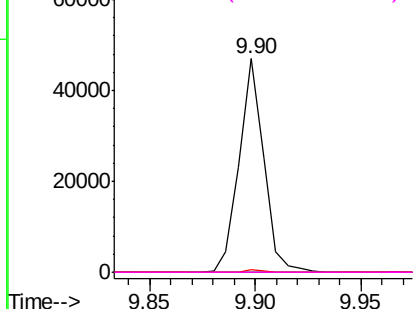
#57
 2,4-Dinitrotoluene
 Concen: 5.869 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF118338.D
 Acq: 27 Dec 2019 15:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.0	48.0#
89	1.4	49.3	73.9#
182	0.0	2.4	3.6#

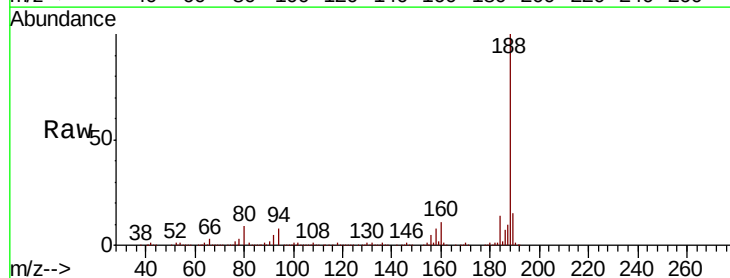


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

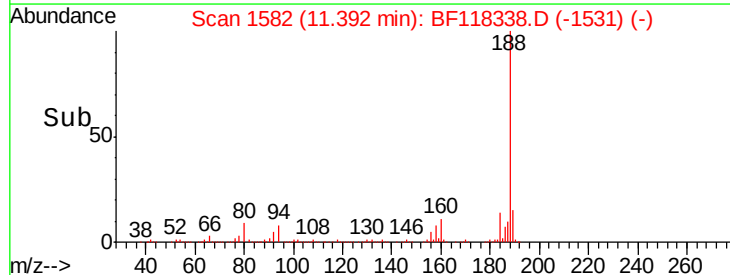
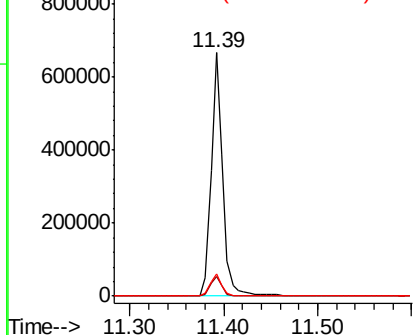


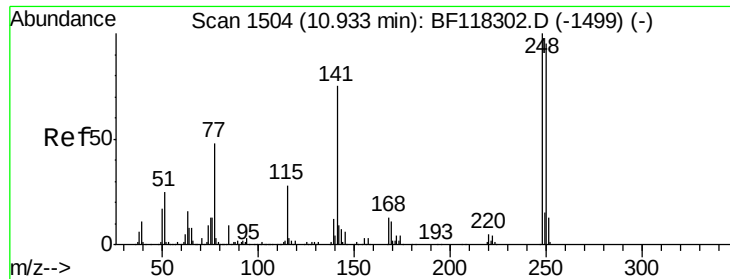
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF118338.D
 Acq: 27 Dec 2019 15:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.7	10.1
80	9.0	7.2	10.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

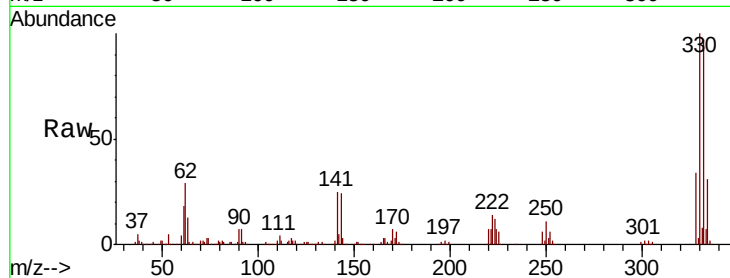




#67
4-Bromophenyl-phenylether
Concen: 4.246 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF118338.D
Acq: 27 Dec 2019 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	191.7	76.4	114.6#
141	433.8	60.2	90.2#

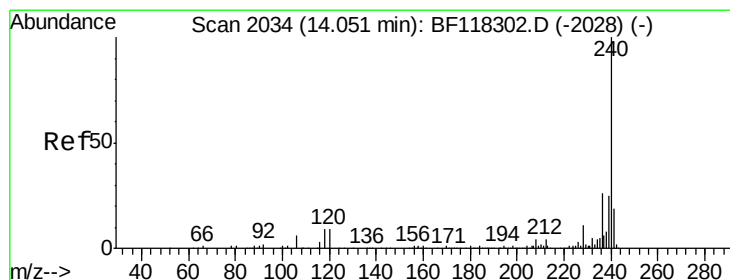
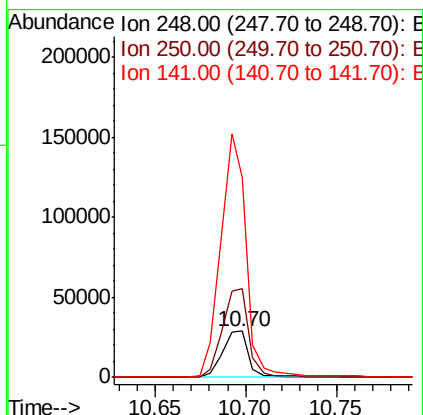
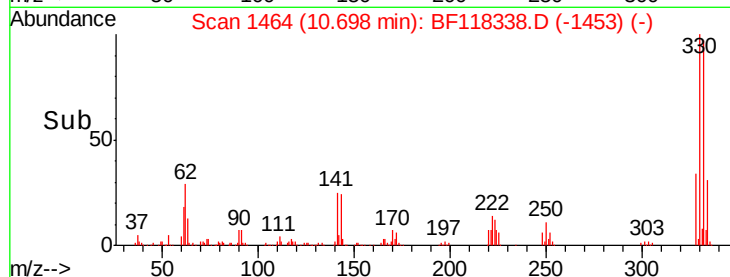


Abundance

Ion 248.00 (247.70 to 248.70): E

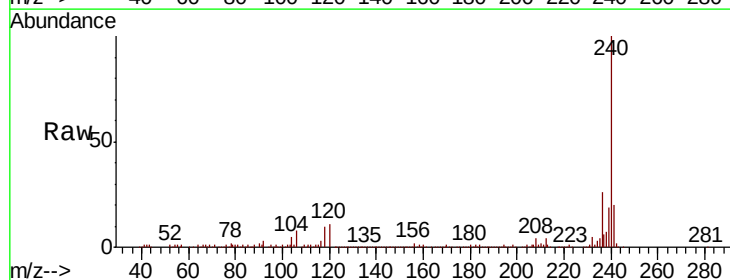
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118338.D
Acq: 27 Dec 2019 15:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.2	7.1	10.7#
236	25.7	21.0	31.6

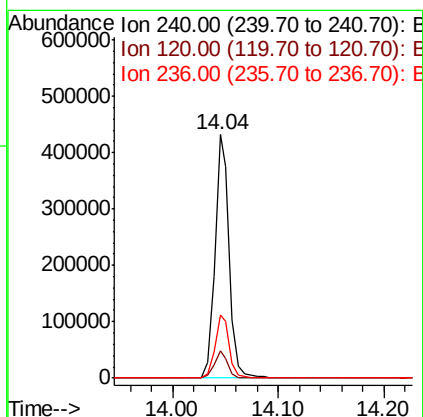
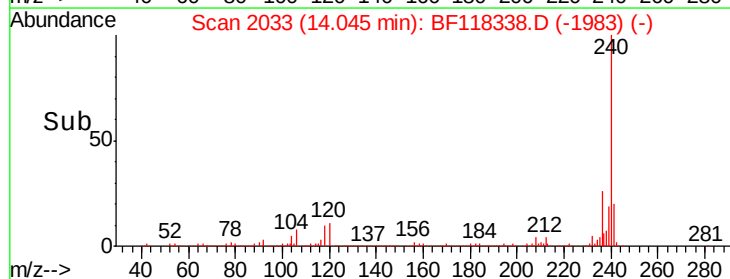


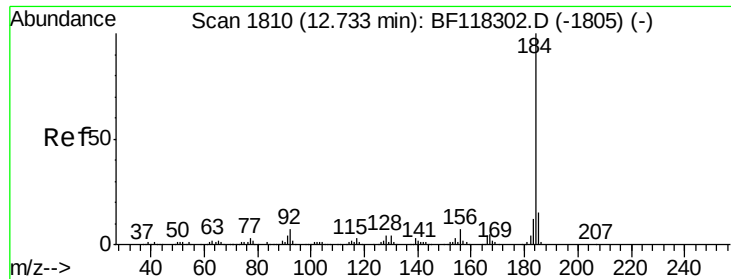
Abundance

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: 2.512 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.25 min

Lab File: BF118338.D

Acq: 27 Dec 2019 15:21

Instrument :

BNA_F

ClientSampleId :

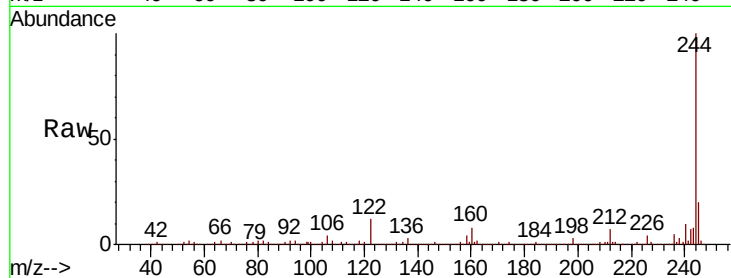
Tot Ion:184 Resp: 28363

Ion Ratio Lower Upper

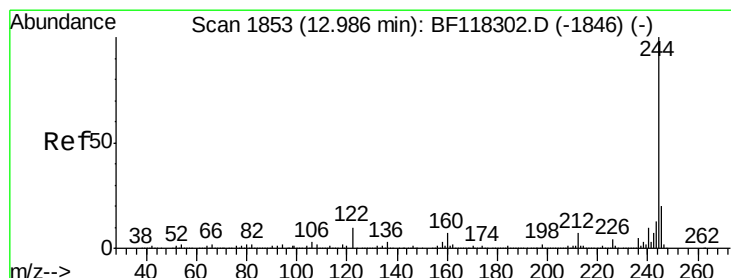
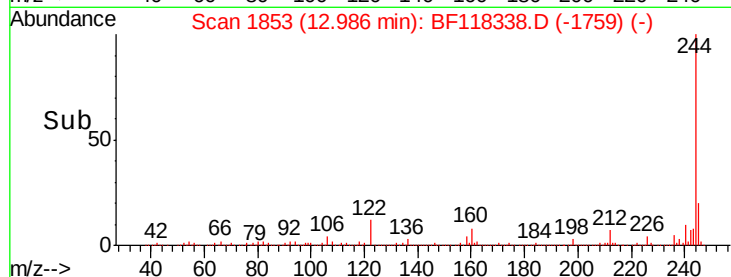
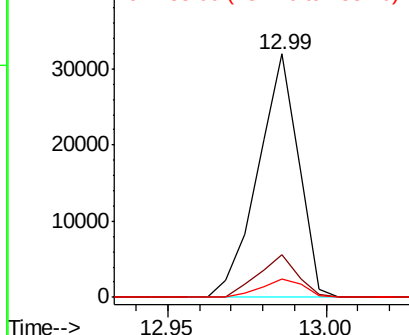
184 100

185 17.4 12.3 18.5

183 7.4 9.4 14.2#



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: 83.380 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF118338.D

Acq: 27 Dec 2019 15:21

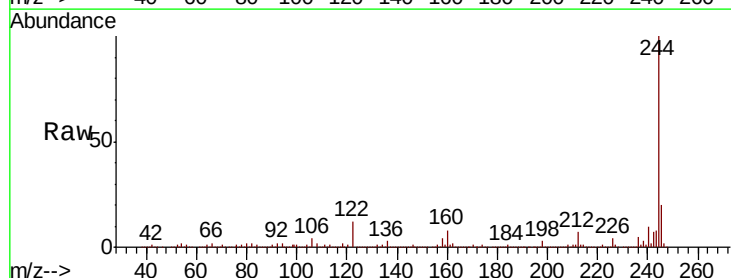
Tgt Ion:244 Resp: 2070665

Ion Ratio Lower Upper

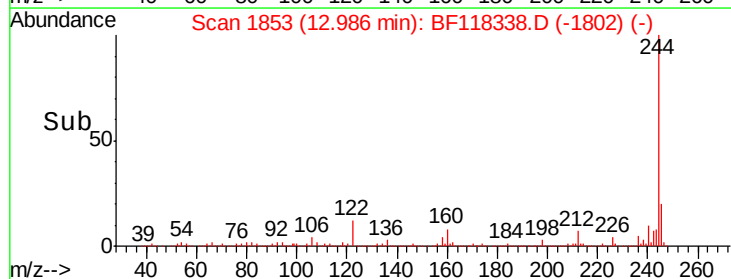
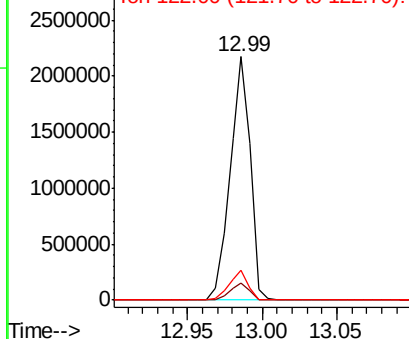
244 100

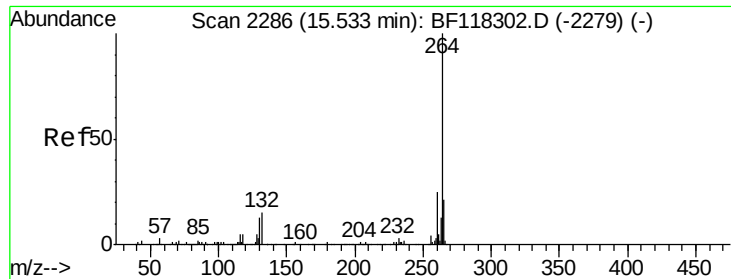
212 7.1 5.4 8.2

122 12.2 7.8 11.8#



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

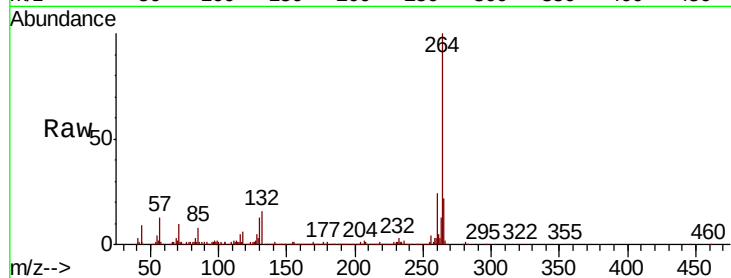




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF118338.D
 Acq: 27 Dec 2019 15:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.8	29.6
265	21.7	17.0	25.4



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

