

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
 Data File : BF111899.D
 Acq On : 8 Jan 2019 1:36
 Operator : JU/SJ
 Sample : K1044-02 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 08 04:08:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

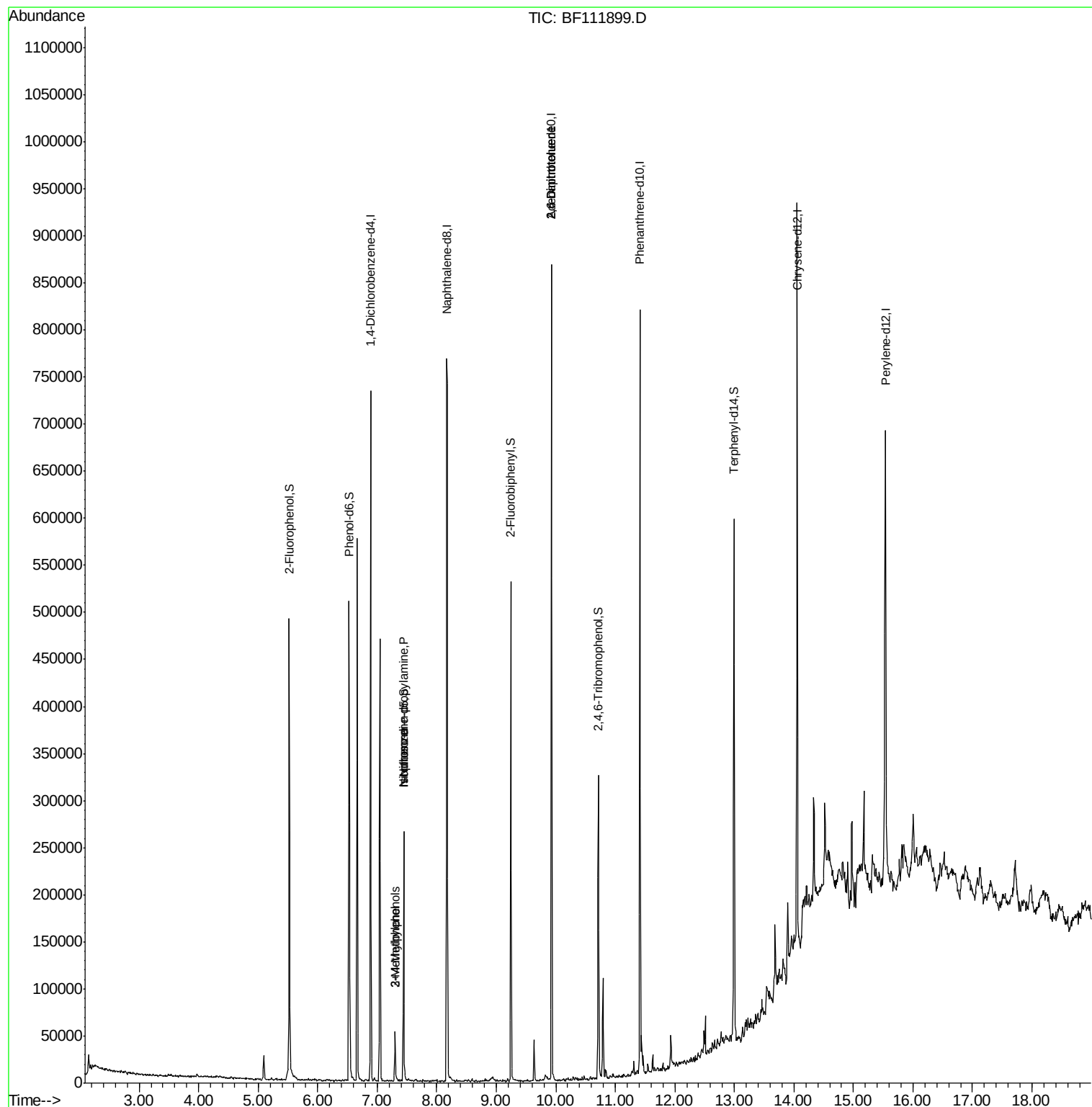
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	109805	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	367393	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	160063	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	287243	20.00	ng	0.00
76) Chrysene-d12	14.06	240	278977	20.00	ng	0.00
87) Perylene-d12	15.54	264	222284	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	123424	19.23	ng	0.00
7) Phenol-d6	6.53	99	149079	18.02	ng	0.00
23) Nitrobenzene-d5	7.45	82	83103	12.09	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	37146	17.84	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	158042	14.40	ng	0.00
79) Terphenyl-d14	12.99	244	168029	11.43	ng	0.00
Target Compounds						
9) Benzaldehyde	6.53	77	278	Below Cal	Qvalue	# 1
17) 2-Methylphenol	7.30	107	15220	2.657 ng	#	72
19) n-Nitroso-di-n-propylamine	7.45	70	11158	2.076 ng	#	77
20) 3+4-Methylphenols	7.30	107	15220	2.135 ng	#	63
25) Isophorone	7.45	82	83102	7.465 ng	#	65
51) 2,6-Dinitrotoluene	9.93	165	20851	7.755 ng	#	25
57) 2,4-Dinitrotoluene	9.93	165	20851	6.001 ng	#	26

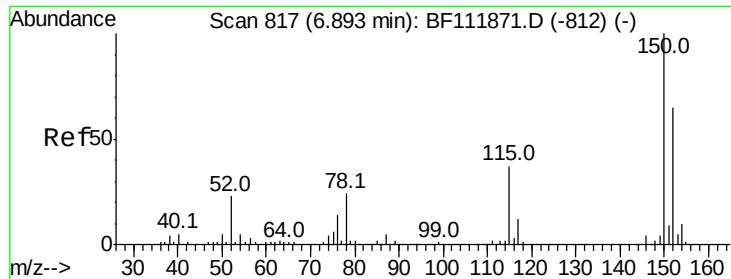
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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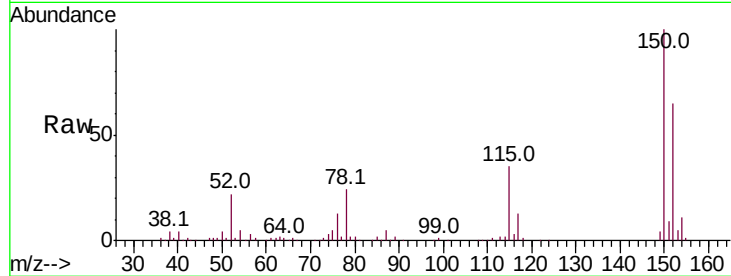


#1

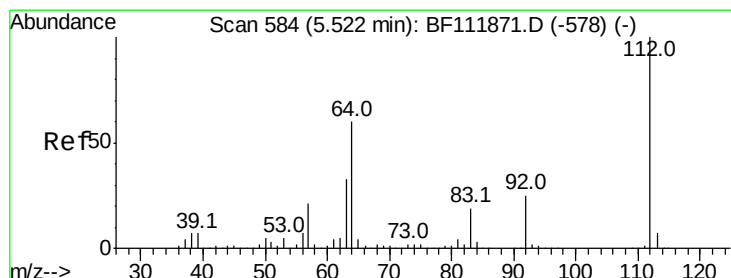
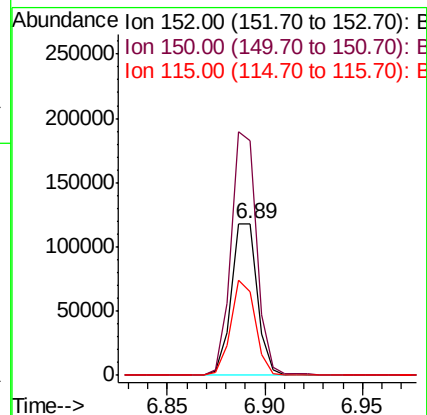
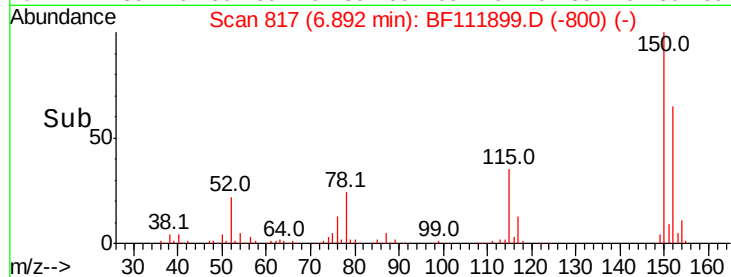
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF111899.D
Acq: 8 Jan 2019 1:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 109805
Ion Ratio Lower Upper
152 100
150 154.8 122.7 184.1
115 54.6 45.2 67.8



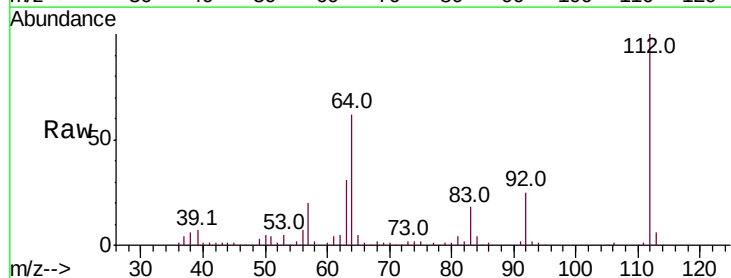
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



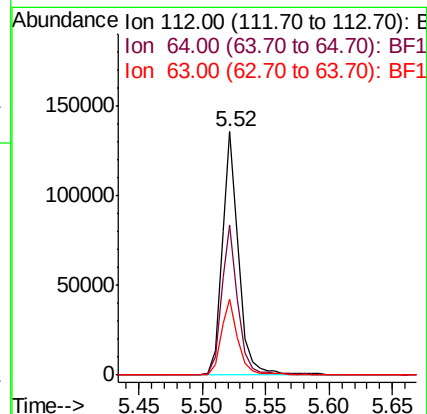
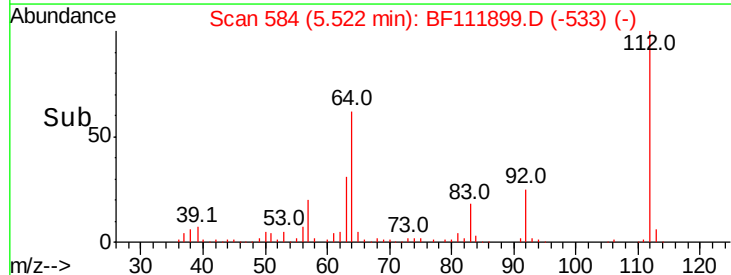
#5

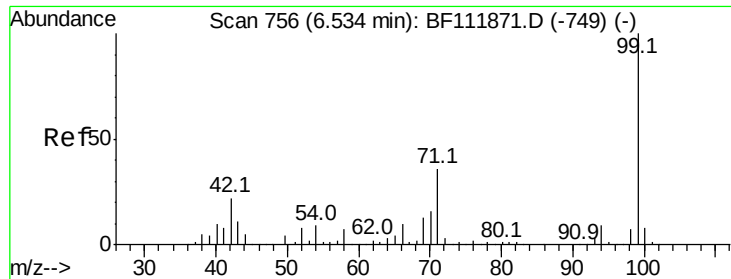
2-Fluorophenol
Concen: 19.230 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF111899.D
Acq: 8 Jan 2019 1:36

Tgt Ion:112 Resp: 123424
Ion Ratio Lower Upper
112 100
64 61.7 48.3 72.5
63 31.1 26.1 39.1



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: 18.021 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111899.D

Acq: 8 Jan 2019 1:36

Instrument :

BNA_F

ClientSampleId :

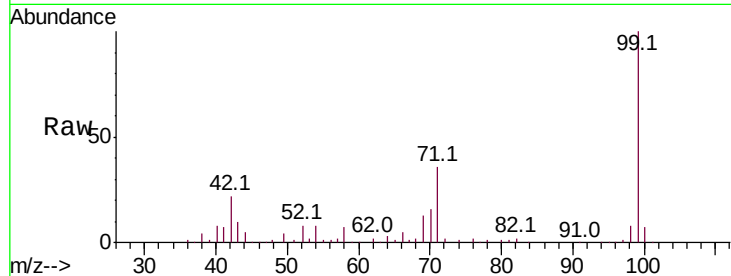
Tot Ion: 99 Resp: 149079

Ion Ratio Lower Upper

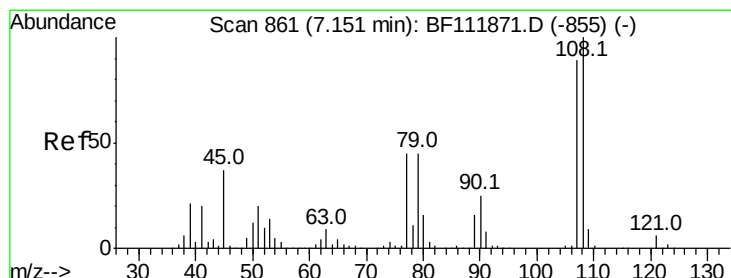
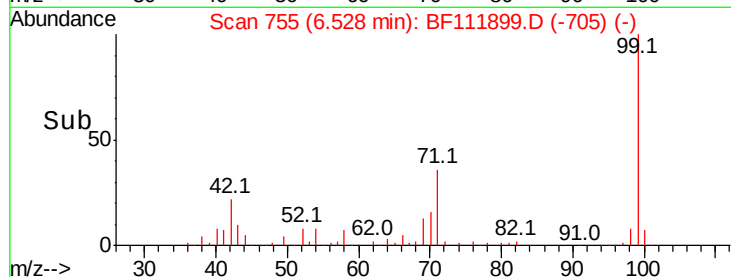
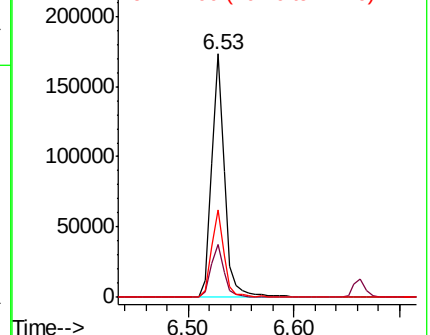
99 100

42 21.6 17.9 26.9

71 36.0 28.7 43.1



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



#17

2-Methylphenol

Concen: 2.657 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.15 min

Lab File: BF111899.D

Acq: 8 Jan 2019 1:36

Tgt Ion: 107 Resp: 15220

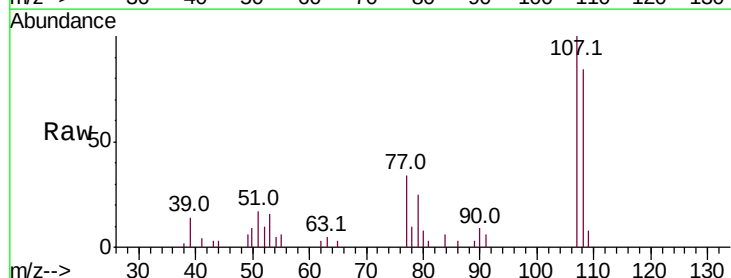
Ion Ratio Lower Upper

107 100

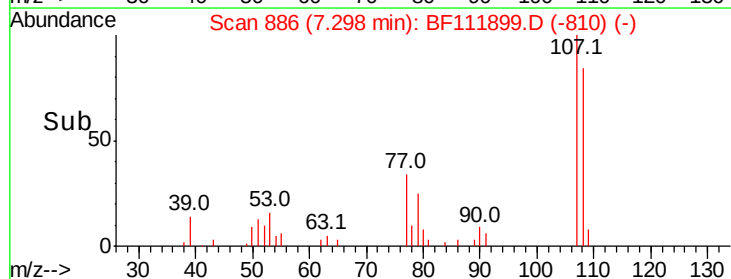
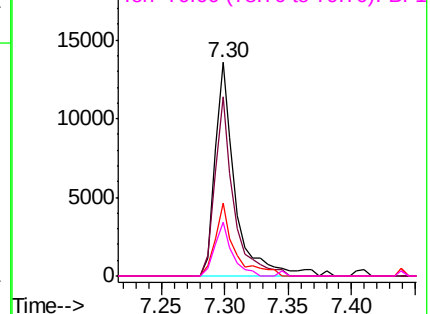
108 84.0 89.7 134.5#

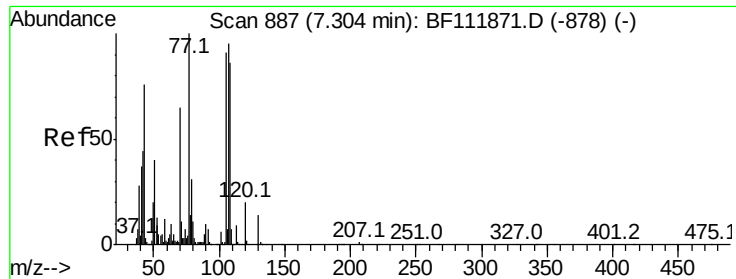
77 34.0 40.6 60.8#

79 25.0 40.2 60.2#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

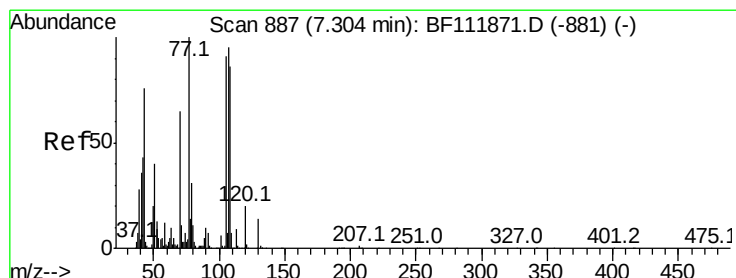
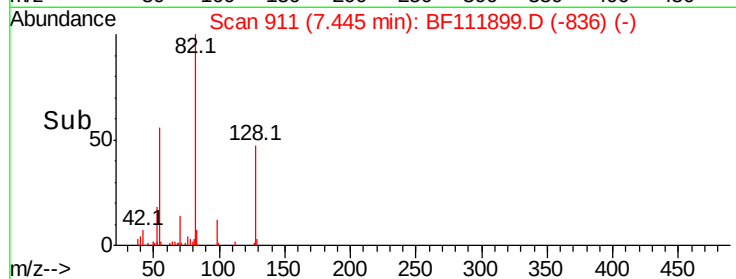
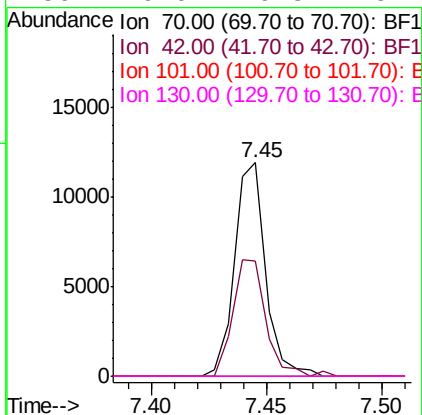
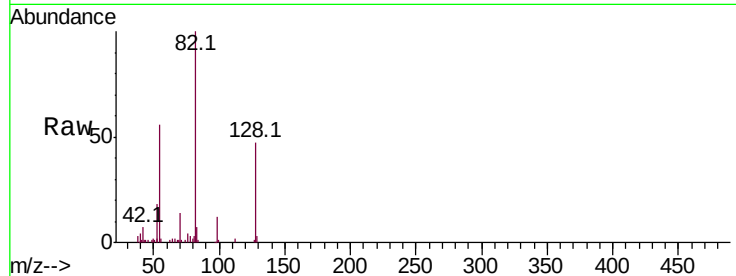




#19
n-Nitroso-di-n-propylamine
Concen: 2.076 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.14 min
Lab File: BF111899.D
Acq: 8 Jan 2019 1:36

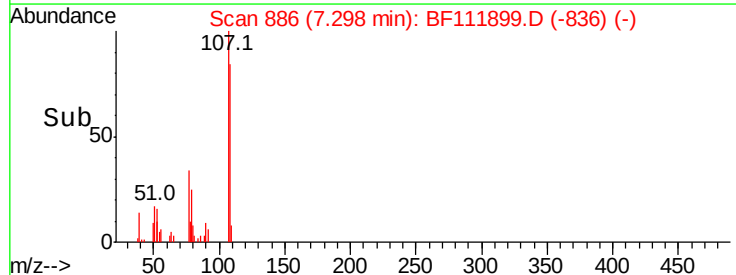
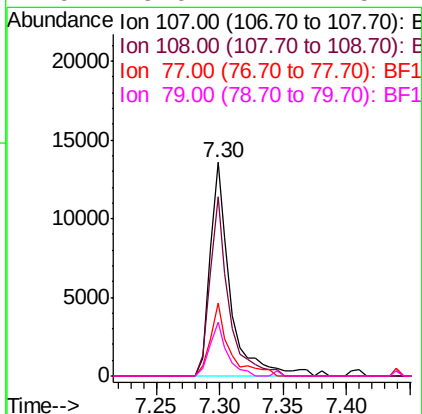
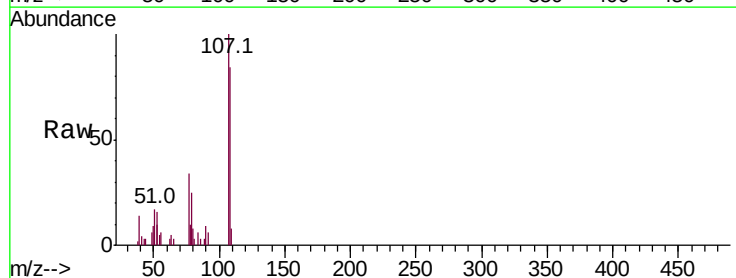
Instrument :
BNA_F
ClientSampleId :

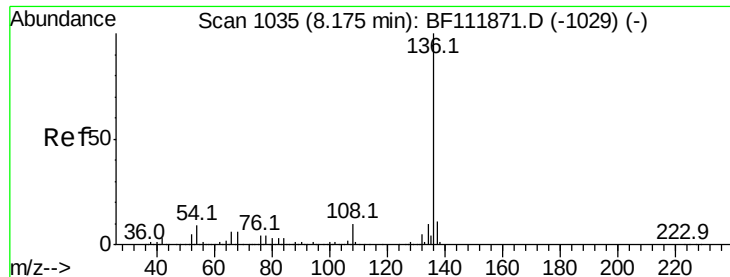
Tot Ion:	70	Resp:	11158
Ion	Ratio	Lower	Upper
70	100		
42	53.7	53.6	80.4
101	0.0	7.3	10.9#
130	0.0	16.8	25.2#



#20
3+4-Methylphenols
Concen: 2.135 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF111899.D
Acq: 8 Jan 2019 1:36

Tgt Ion:	107	Resp:	15220
Ion	Ratio	Lower	Upper
107	100		
108	84.0	71.1	111.1
77	34.0	85.4	125.4#
79	25.0	12.4	52.4

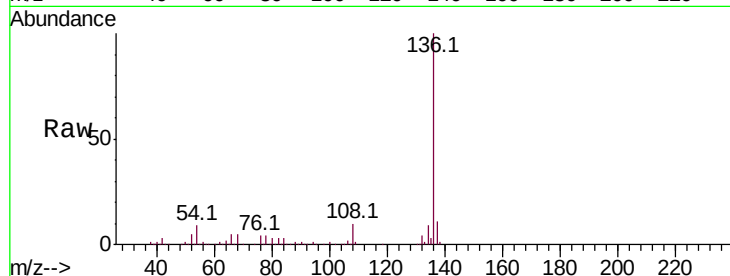




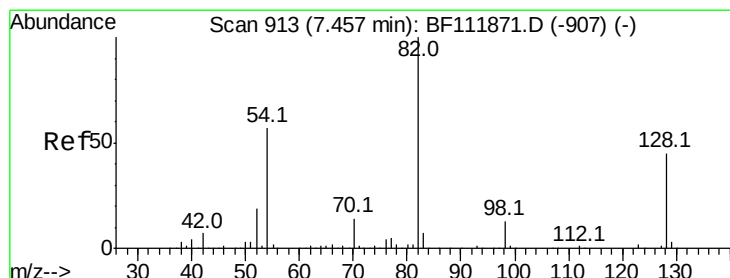
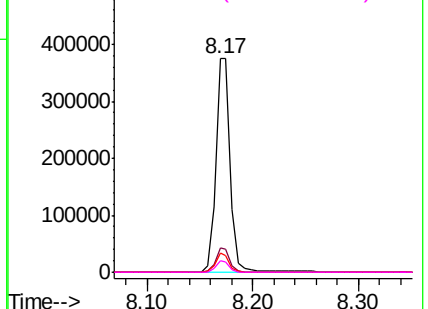
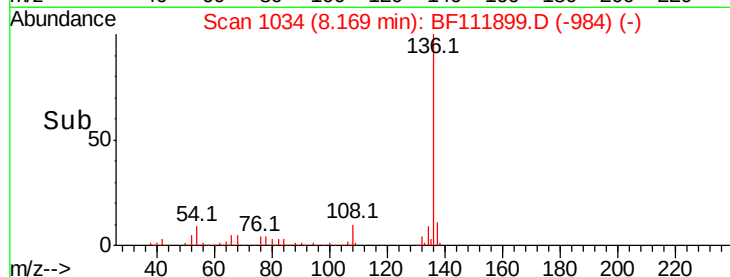
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111899.D
Acq: 8 Jan 2019 1:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	367393
Ion Ratio	Lower	Upper
136 100		
137 11.2	9.1	13.7
54 8.8	7.2	10.8
68 5.3	4.4	6.6

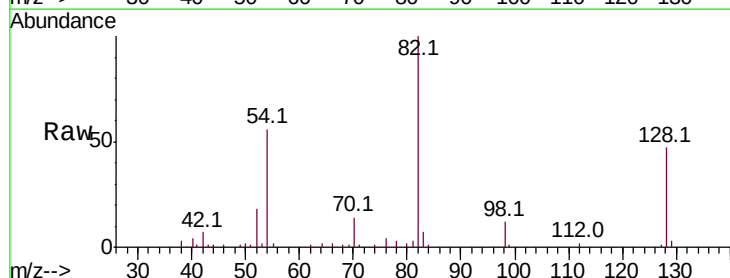


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

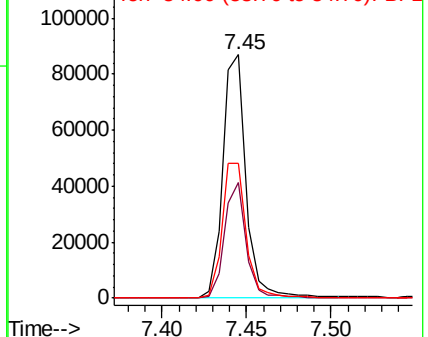
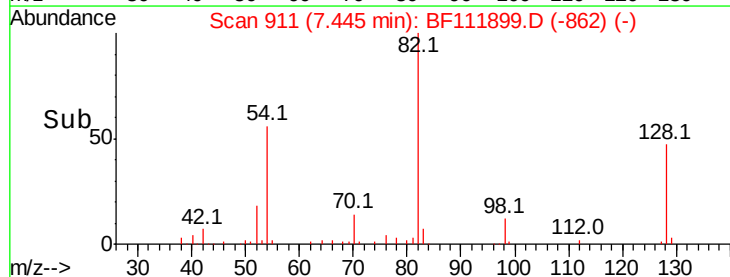


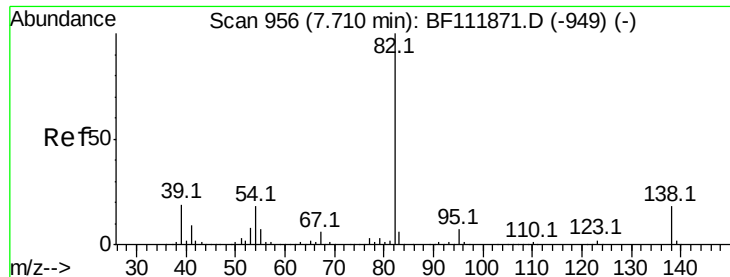
#23
Nitrobenzene-d5
Concen: 12.089 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF111899.D
Acq: 8 Jan 2019 1:36

Tgt	Ion: 82	Resp:	83103
Ion	Ratio	Lower	Upper
82	100		
128	47.2	35.7	53.5
54	55.5	45.8	68.8



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: 7.465 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF111899.D

Acq: 8 Jan 2019 1:36

Instrument :

BNA_F

ClientSampled :

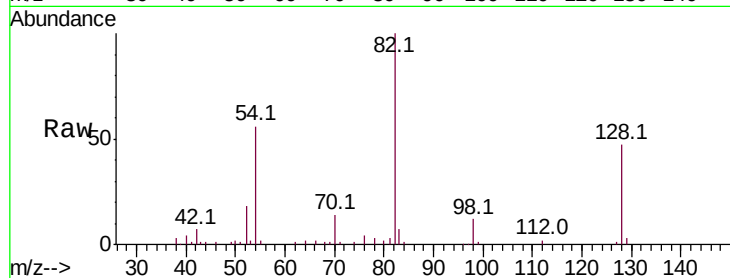
Tot Ion: 82 Resp: 83102

Ion Ratio Lower Upper

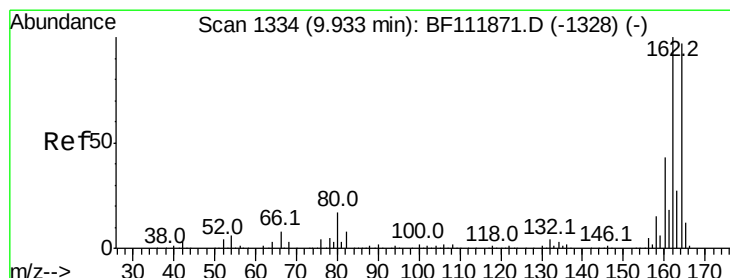
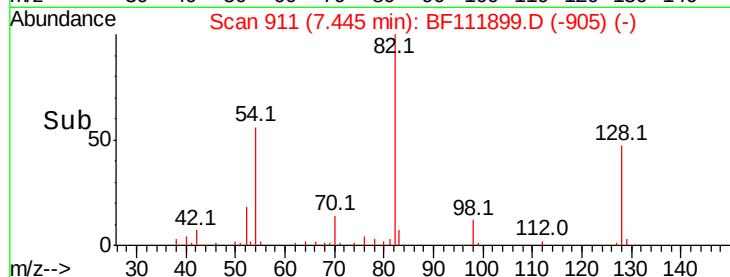
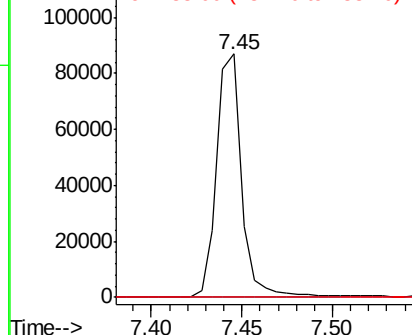
82 100

95 0.0 5.8 8.6#

138 0.0 14.4 21.6#



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: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF111899.D

Acq: 8 Jan 2019 1:36

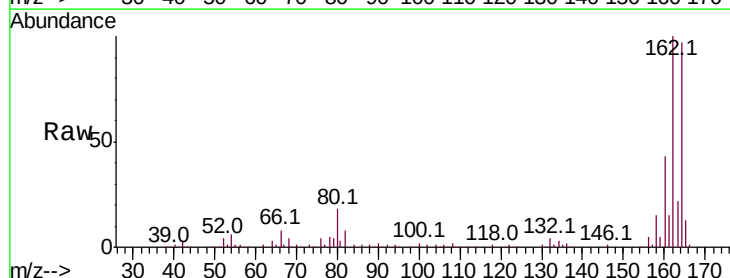
Tgt Ion:164 Resp: 160063

Ion Ratio Lower Upper

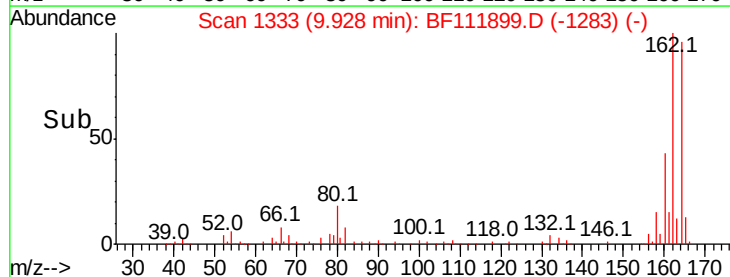
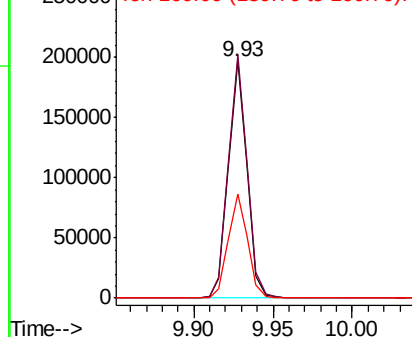
164 100

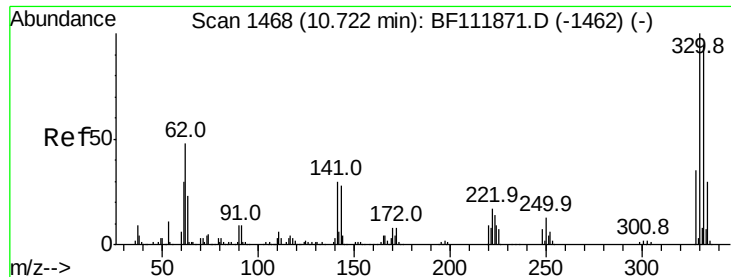
162 102.7 82.2 123.2

160 44.0 35.5 53.3



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

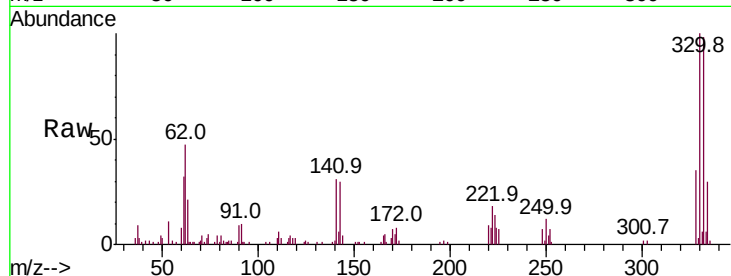




#42
 2,4,6-Tribromophenol
 Concen: 17.842 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111899.D
 Acq: 8 Jan 2019 1:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.9	115.3
141	32.1	23.7	35.5

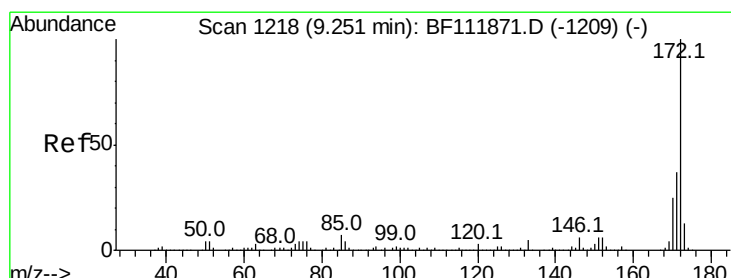
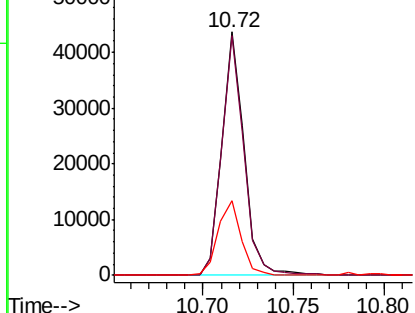
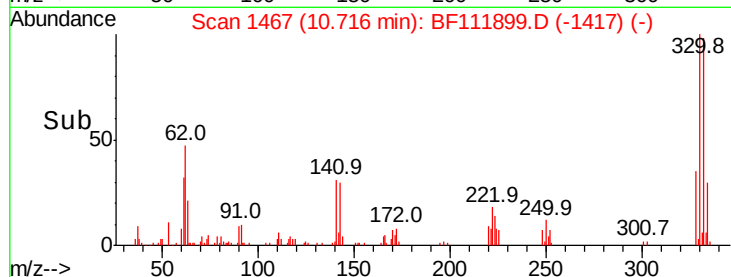


Abundance

Ion 329.80 (329.50 to 330.50): E

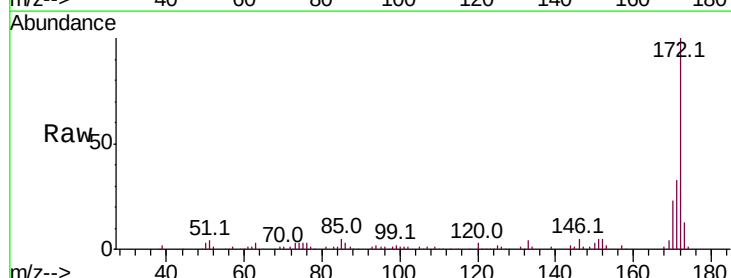
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 14.398 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF111899.D
 Acq: 8 Jan 2019 1:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	29.6	44.4
170	23.3	19.8	29.8

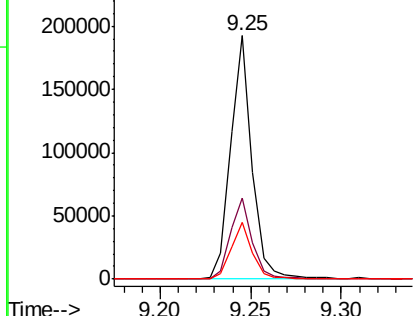
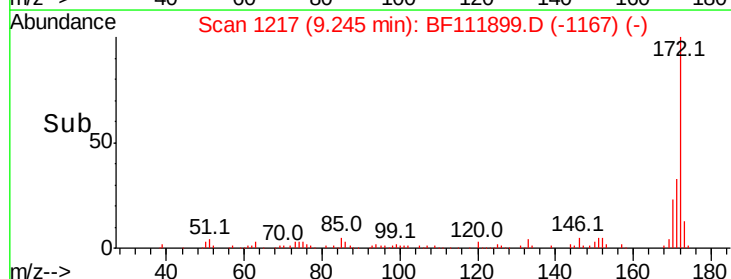


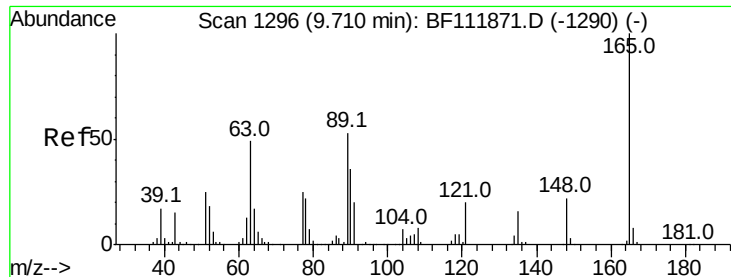
Abundance

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

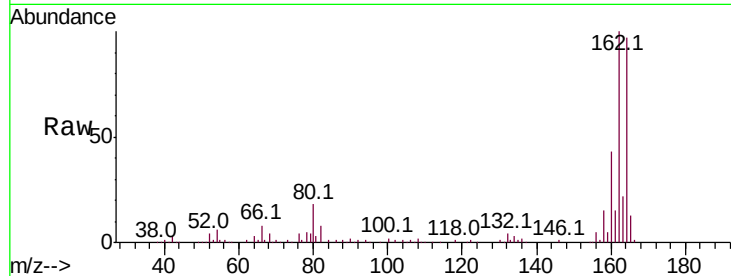




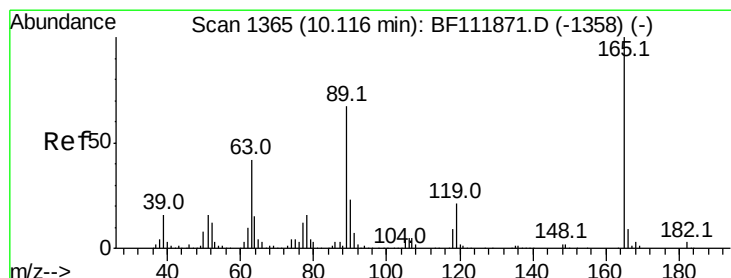
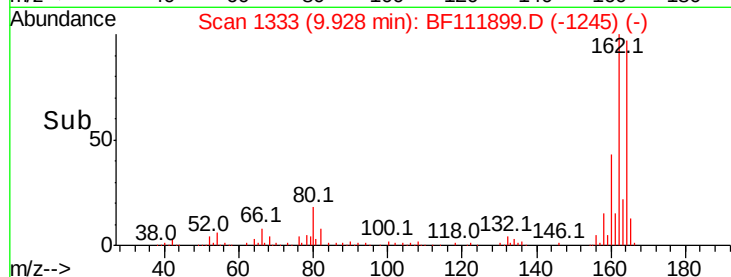
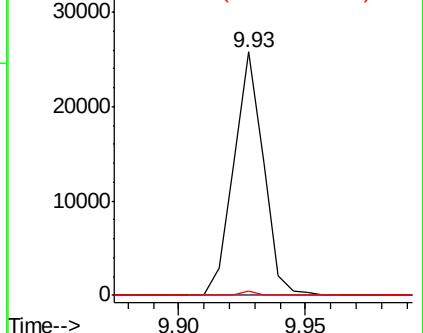
#51
 2,6-Dinitrotoluene
 Concen: 7.755 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF111899.D
 Acq: 8 Jan 2019 1:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	46.2	69.2#
89	1.8	42.2	63.2#

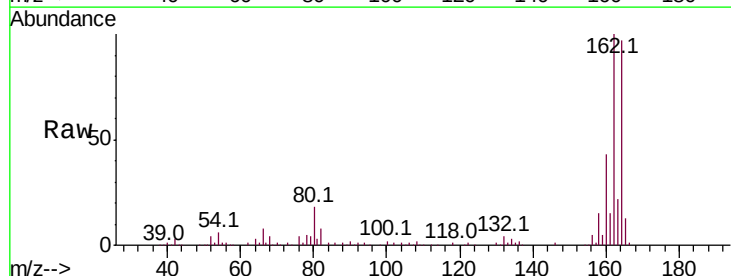


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

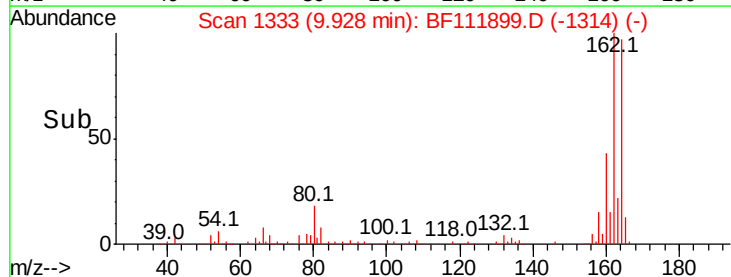
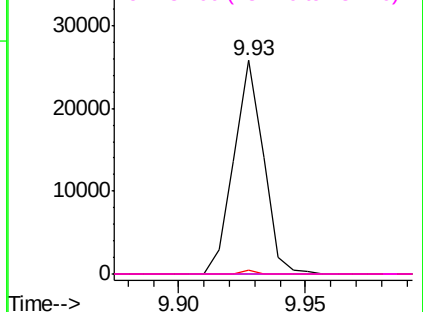


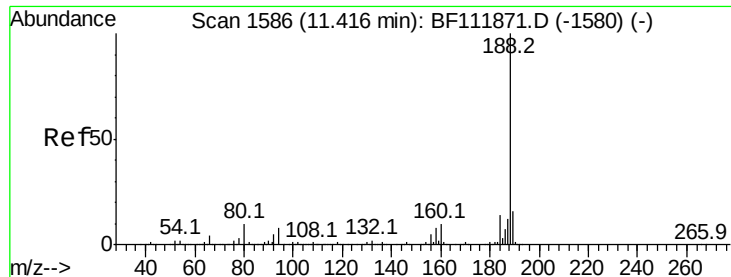
#57
 2,4-Dinitrotoluene
 Concen: 6.001 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF111899.D
 Acq: 8 Jan 2019 1:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.1	51.1#
89	1.8	53.5	80.3#
182	0.0	2.0	3.0#



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: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF111899.D

Acq: 8 Jan 2019 1:36

Instrument :

BNA_F

ClientSampleId :

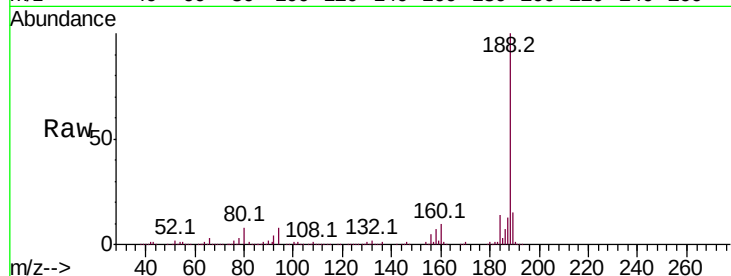
Tot Ion:188 Resp: 287243

Ion Ratio Lower Upper

188 100

94 7.6 6.6 10.0

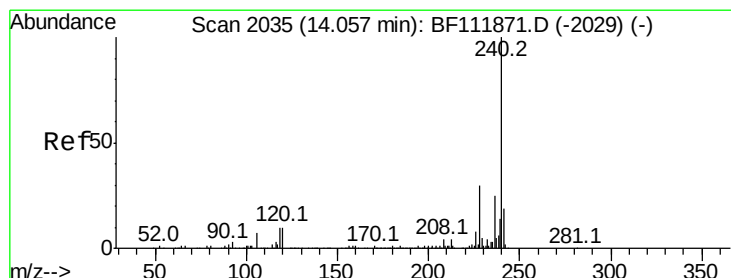
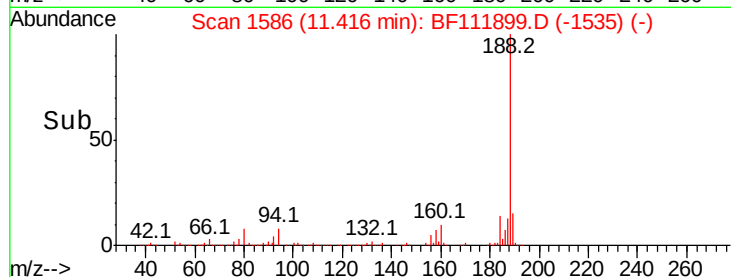
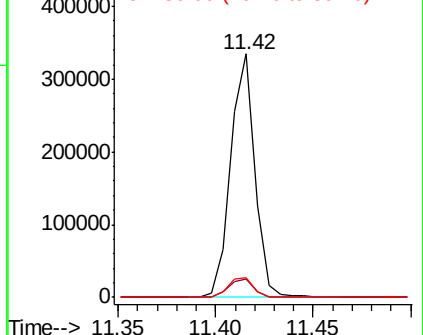
80 8.0 7.7 11.5



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF111899.D

Acq: 8 Jan 2019 1:36

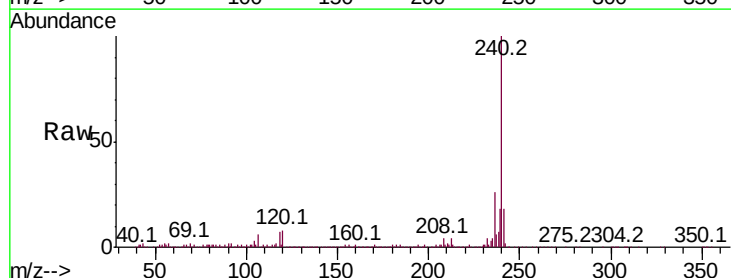
Tgt Ion:240 Resp: 278977

Ion Ratio Lower Upper

240 100

120 8.2 8.2 12.2

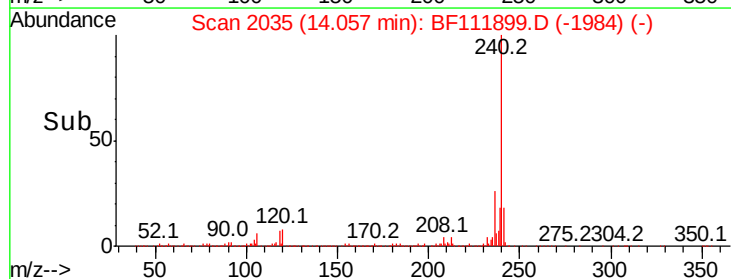
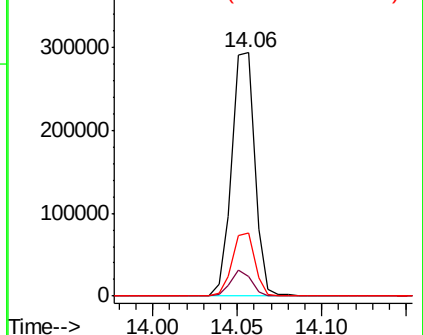
236 26.1 20.2 30.4

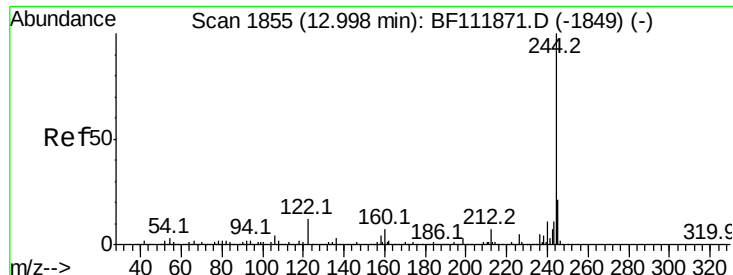


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

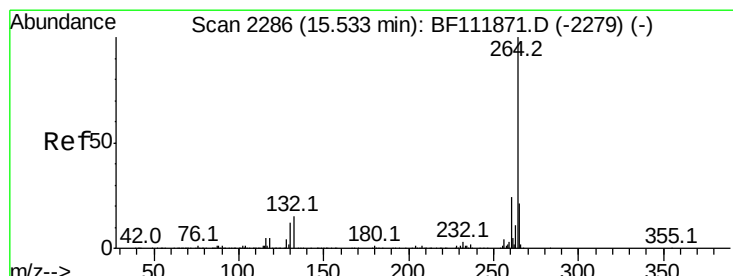
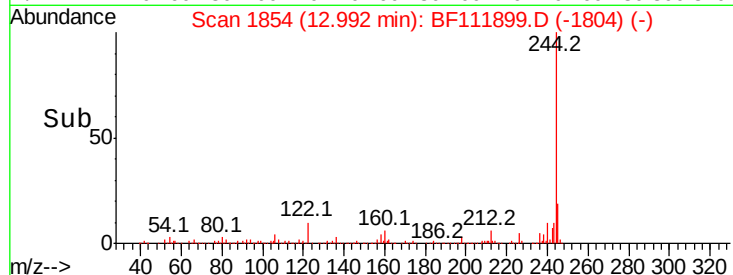
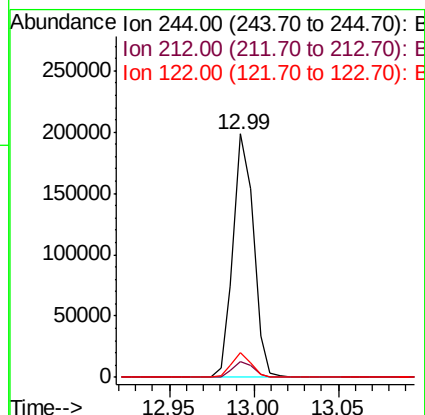
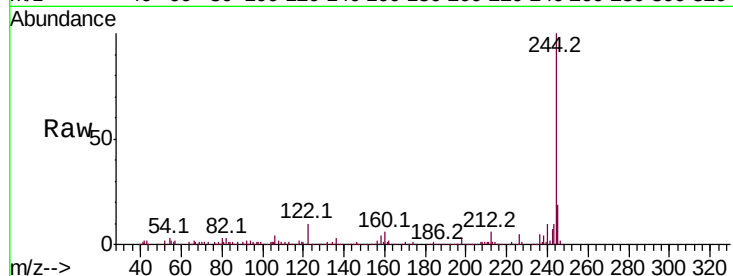




#79
 Terphenyl-d14
 Concen: 11.433 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF111899.D
 Acq: 8 Jan 2019 1:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.8	8.8
122	10.1	9.5	14.3



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF111899.D
 Acq: 8 Jan 2019 1:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.2	17.1	25.7

