

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111962.D
 Acq On : 9 Jan 2019 21:04
 Operator : JU/SJ
 Sample : K1044-02RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 10 01:54:22 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	120448	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	428482	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	165909	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	294663	20.00	ng	0.00
76) Chrysene-d12	14.05	240	241092	20.00	ng	0.00
87) Perylene-d12	15.54	264	185998	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	665920	94.59	ng	0.00
7) Phenol-d6	6.53	99	840287	92.60	ng	0.00
23) Nitrobenzene-d5	7.44	82	515264	64.27	ng	-0.02
42) 2,4,6-Tribromophenol	10.71	330	161771	74.96	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	894216	78.59	ng	-0.01
79) Terphenyl-d14	12.99	244	755416	59.48	ng	0.00

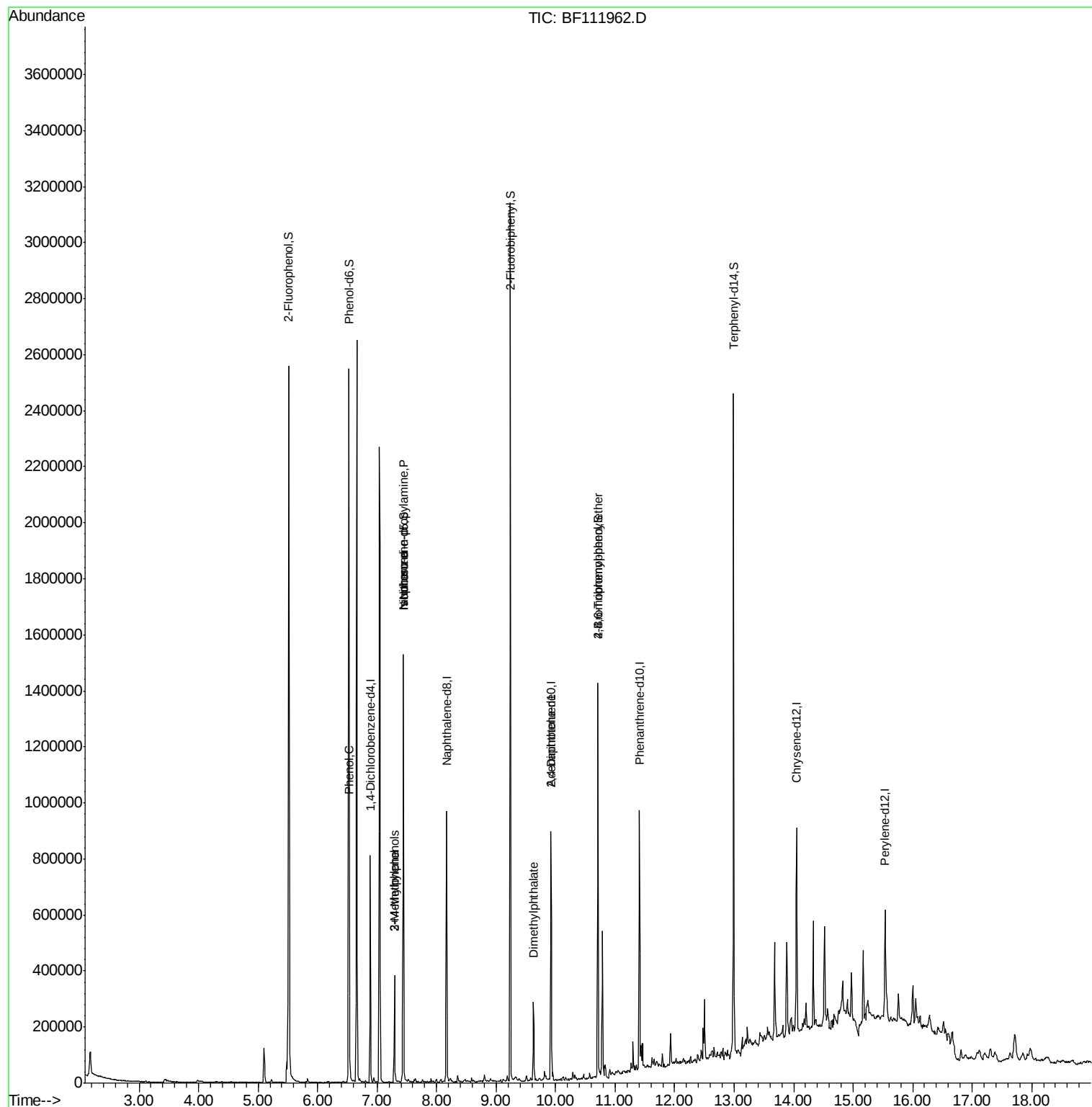
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	896	Below Cal		# 83
10) Phenol	6.54	94	70643	7.163	ng	# 72
17) 2-Methylphenol	7.29	107	104335	16.606	ng	# 65
19) n-Nitroso-di-n-propylamine	7.44	70	69546	11.796	ng	# 78
20) 3+4-Methylphenols	7.29	107	104471	13.360	ng	# 57
25) Isophorone	7.44	82	512853	39.504	ng	# 65
50) Dimethylphthalate	9.63	163	99675	7.998	ng	# 99
57) 2,4-Dinitrotoluene	9.92	165	20579	5.714	ng	# 27
67) 4-Bromophenyl-phenylether	10.71	248	9675	2.535	ng	# 1

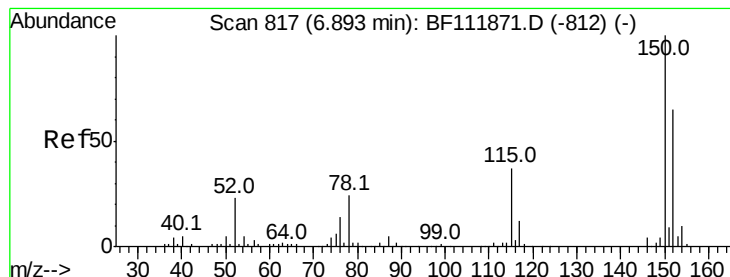
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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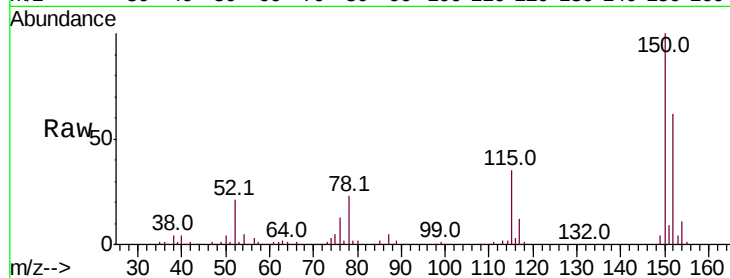


#1

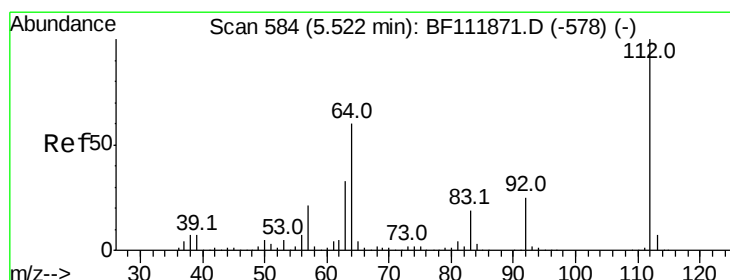
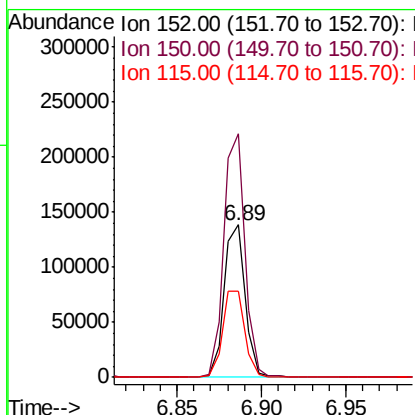
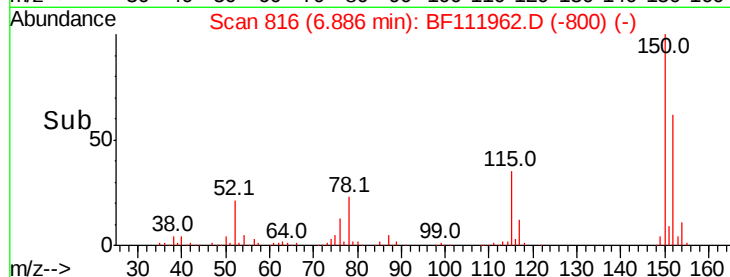
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111962.D
Acq: 9 Jan 2019 21:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	122.7	184.1
115	56.4	45.2	67.8



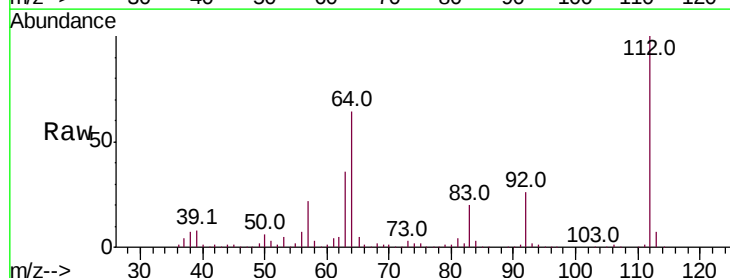
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



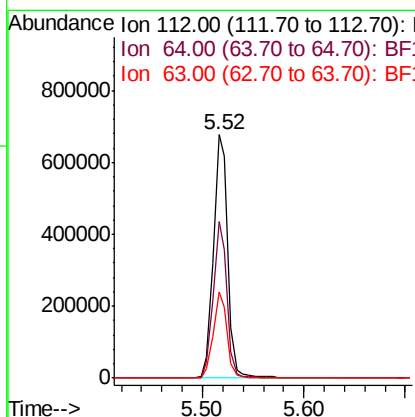
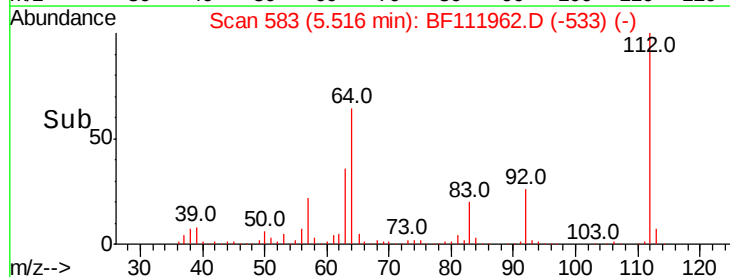
#5

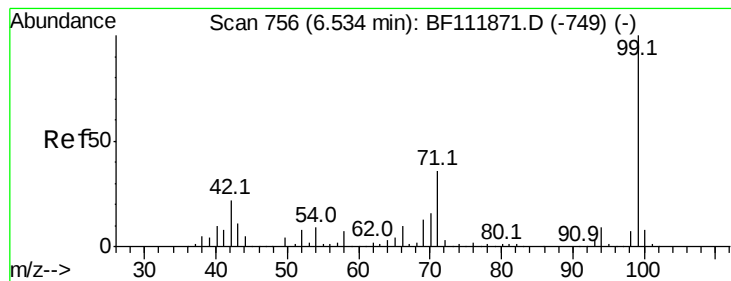
2-Fluorophenol
Concen: 94.586 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111962.D
Acq: 9 Jan 2019 21:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	48.3	72.5
63	35.6	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: 92.602 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111962.D

Acq: 9 Jan 2019 21:04

Instrument :

BNA_F

ClientSampled :

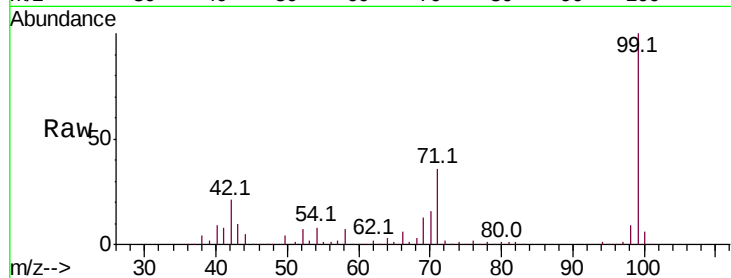
Tot Ion: 99 Resp: 840287

Ion Ratio Lower Upper

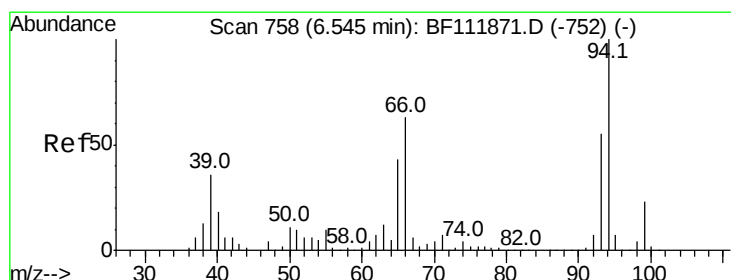
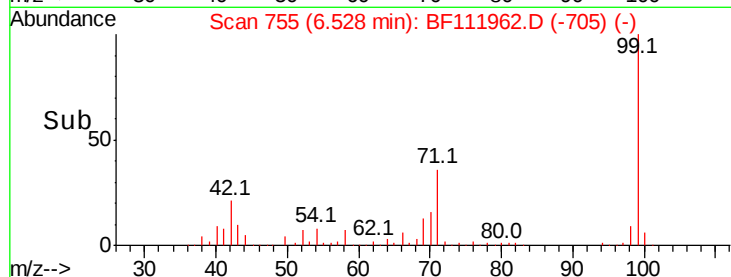
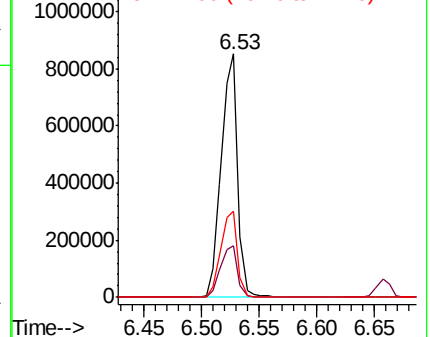
99 100

42 21.2 17.9 26.9

71 35.5 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



#10

Phenol

Concen: 7.163 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111962.D

Acq: 9 Jan 2019 21:04

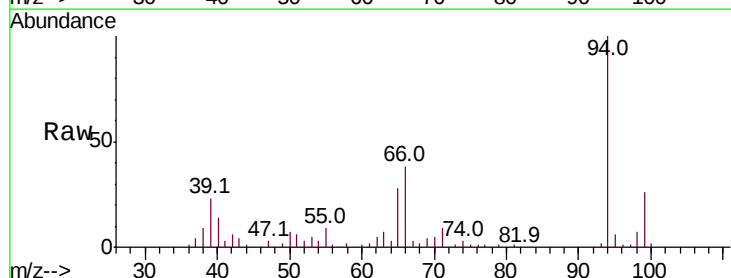
Tgt Ion: 94 Resp: 70643

Ion Ratio Lower Upper

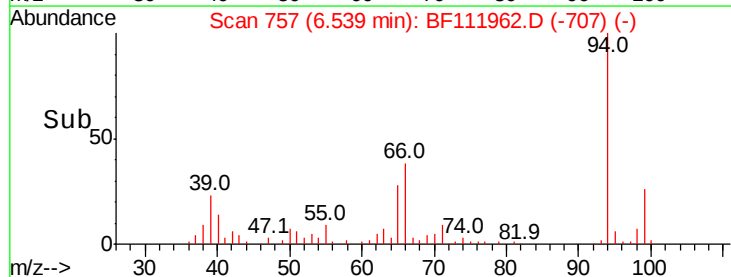
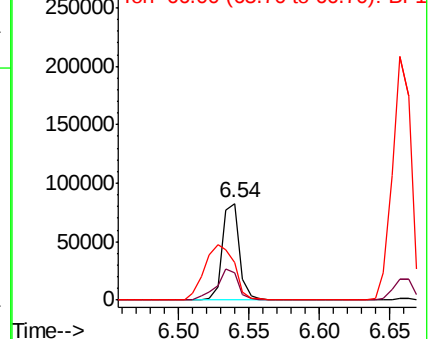
94 100

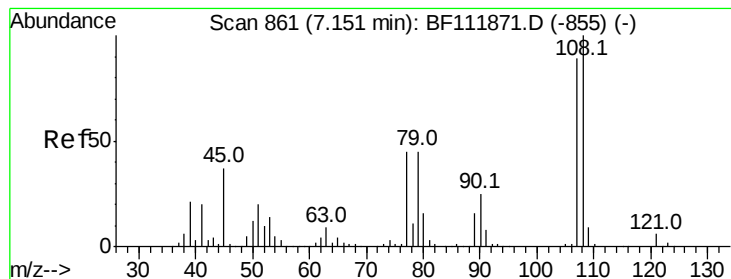
65 28.3 22.8 62.8

66 38.5 43.3 83.3#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#17

2-Methylphenol

Concen: 16.606 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF111962.D

Acq: 9 Jan 2019 21:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 104335

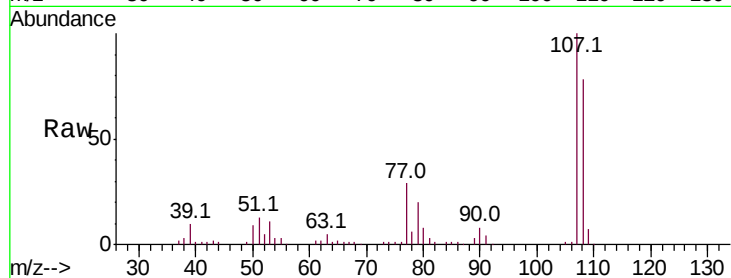
Ion Ratio Lower Upper

107 100

108 77.9 89.7 134.5#

77 28.8 40.6 60.8#

79 20.3 40.2 60.2#



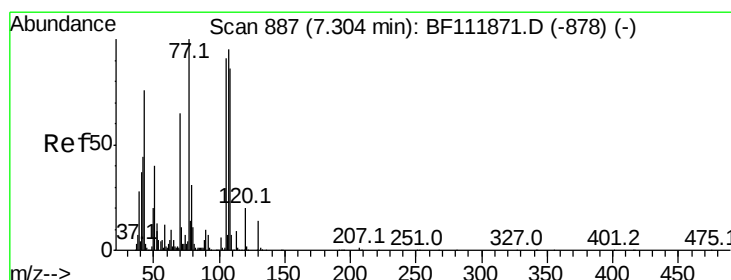
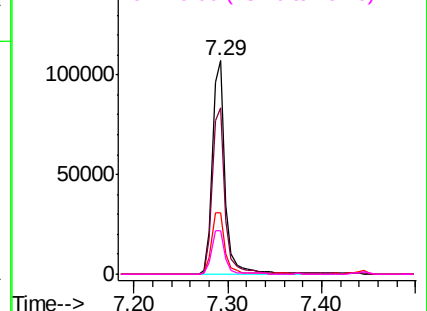
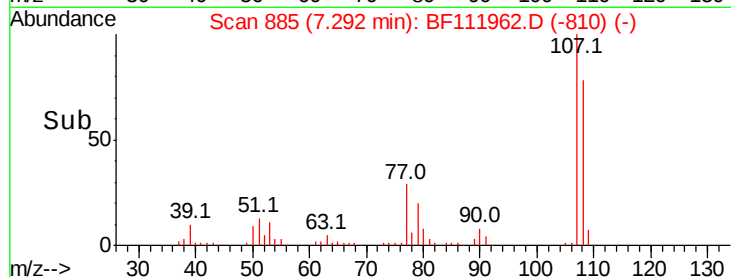
Abundance

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: 11.796 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF111962.D

Acq: 9 Jan 2019 21:04

Tgt Ion: 70 Resp: 69546

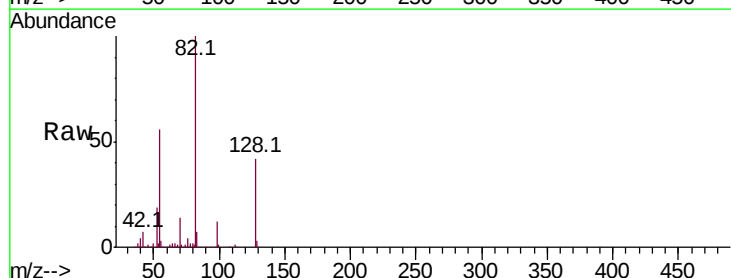
Ion Ratio Lower Upper

70 100

42 54.4 53.6 80.4

101 0.0 7.3 10.9#

130 2.4 16.8 25.2#



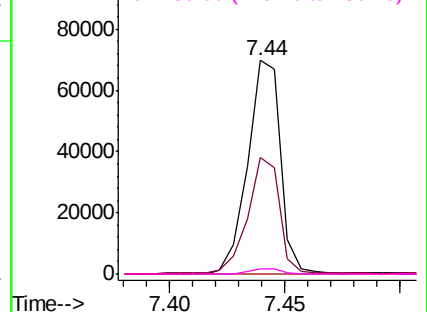
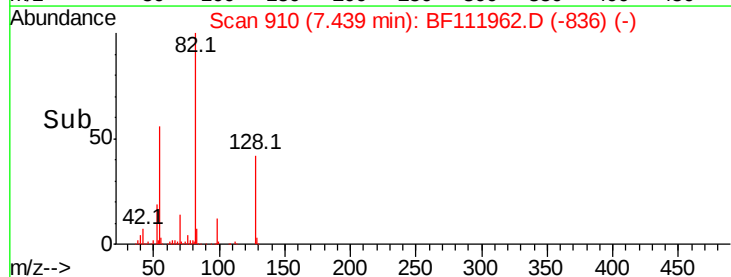
Abundance

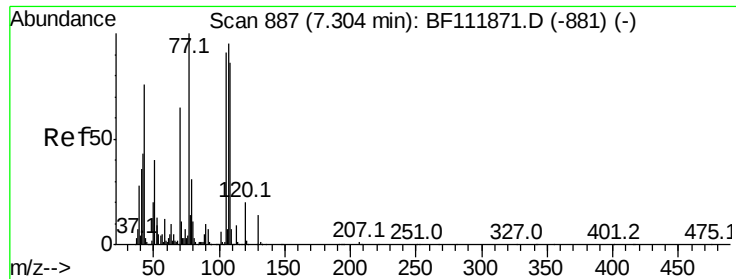
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

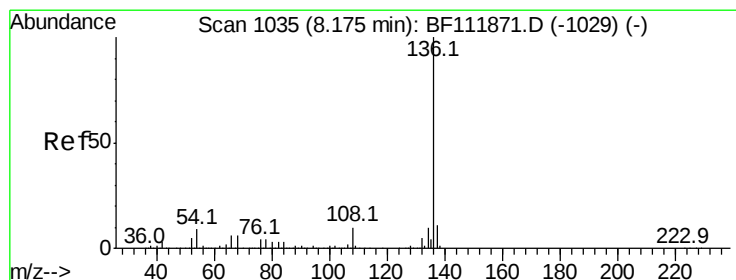
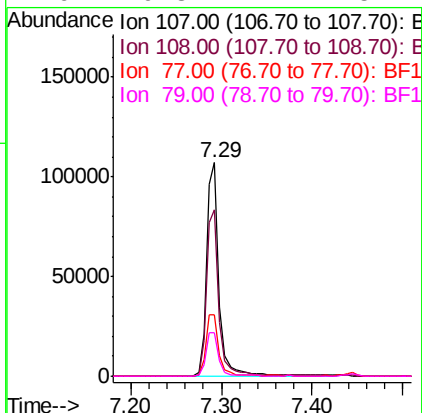
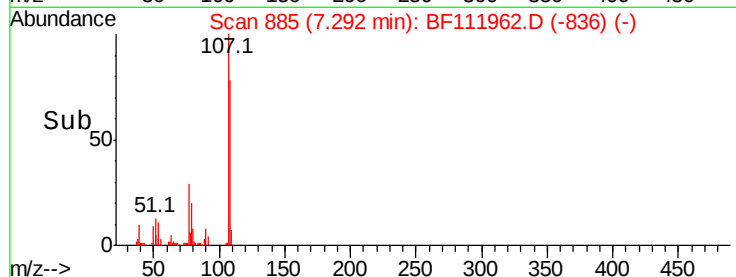
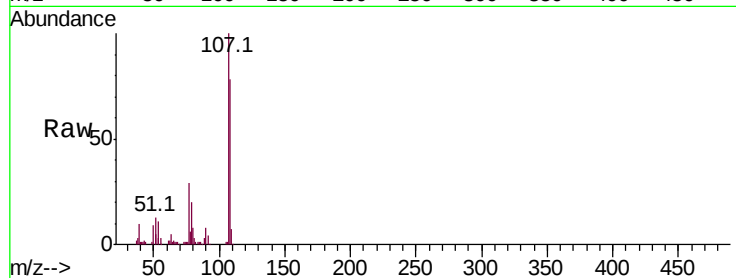




#20
3+4-Methylphenols
Concen: 13.360 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF111962.D
Acq: 9 Jan 2019 21:04

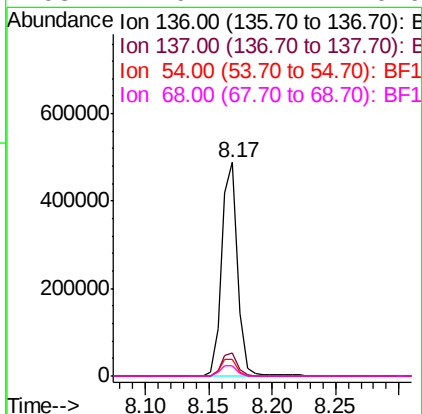
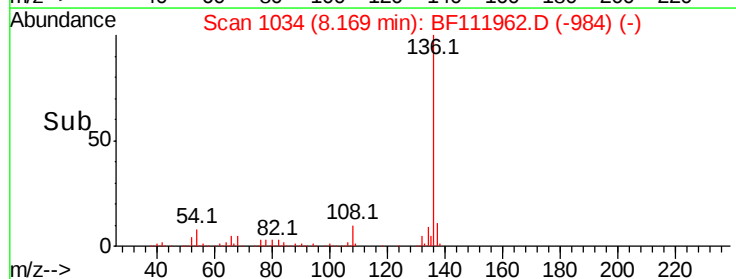
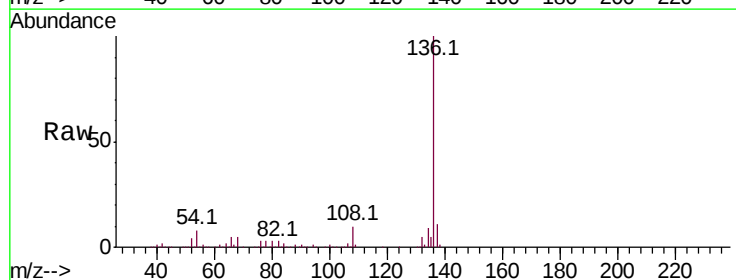
Instrument :
BNA_F
ClientSampleId :

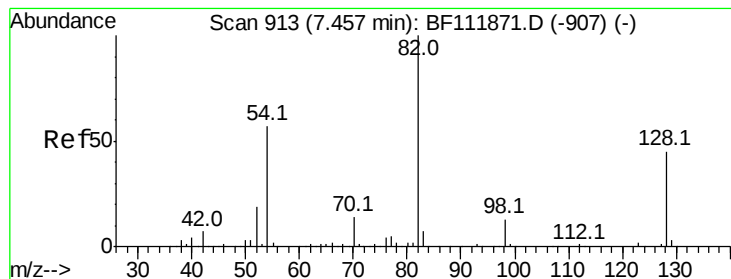
Tot Ion	Ratio	Lower	Upper
107	100		
108	77.9	71.1	111.1
77	28.8	85.4	125.4
79	20.3	12.4	52.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111962.D
Acq: 9 Jan 2019 21:04

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	7.9	7.2	10.8
68	4.9	4.4	6.6





#23

Nitrobenzene-d5

Concen: 64.270 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF111962.D

Acq: 9 Jan 2019 21:04

Instrument :

BNA_F

ClientSampleId :

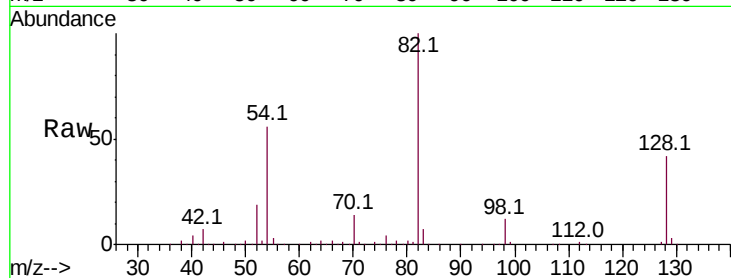
Tot Ion: 82 Resp: 515264

Ion Ratio Lower Upper

82 100

128 42.4 35.7 53.5

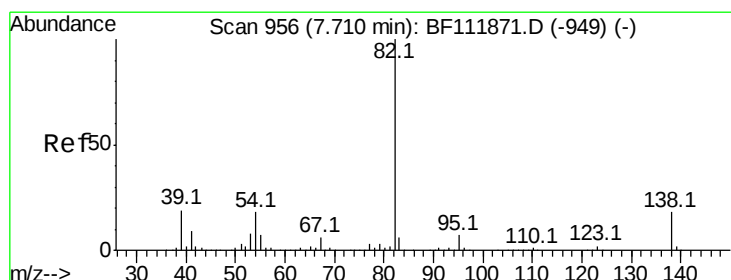
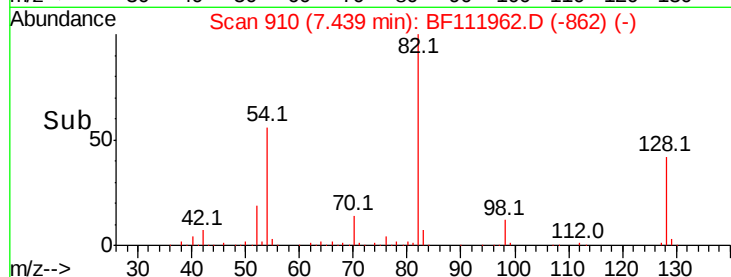
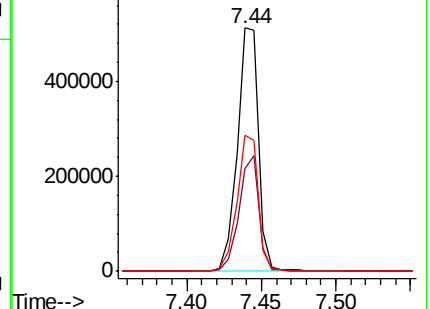
54 55.7 45.8 68.8



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 39.504 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF111962.D

Acq: 9 Jan 2019 21:04

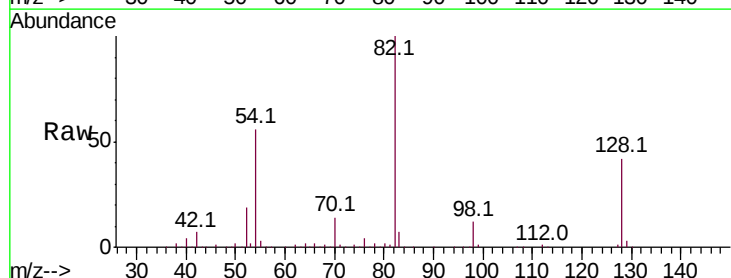
Tgt Ion: 82 Resp: 512853

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

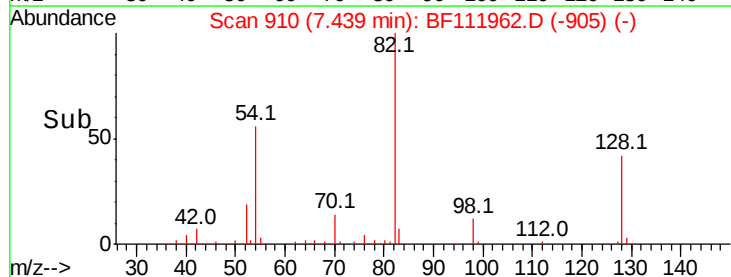
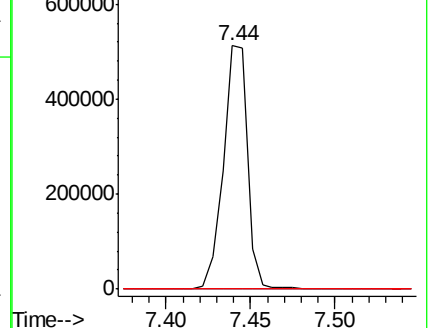
138 0.0 14.4 21.6#

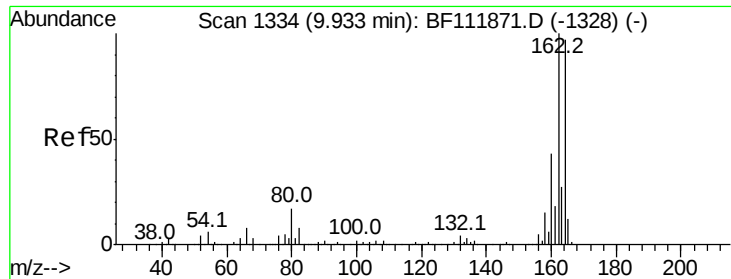


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

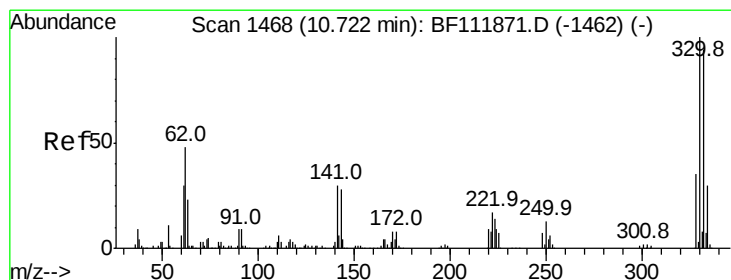
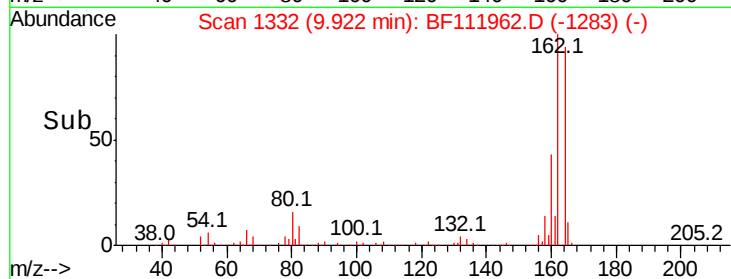
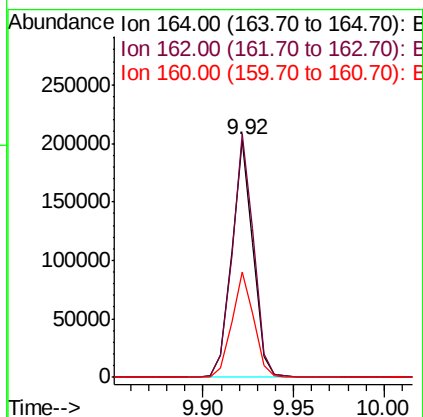
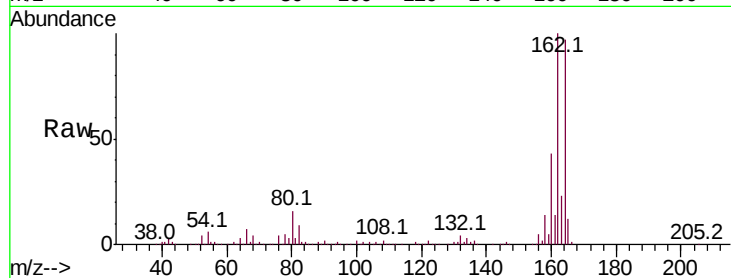




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF111962.D
 Acq: 9 Jan 2019 21:04

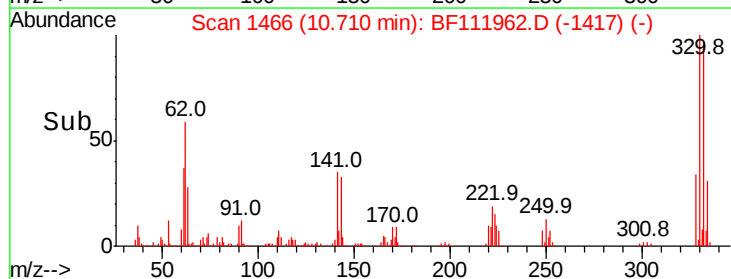
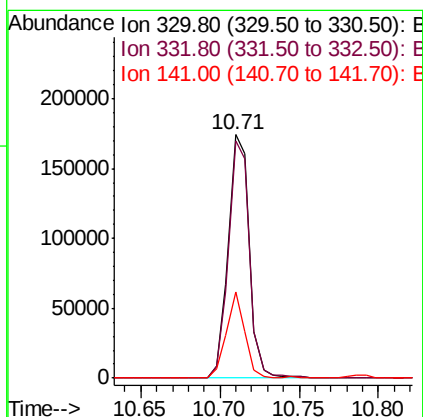
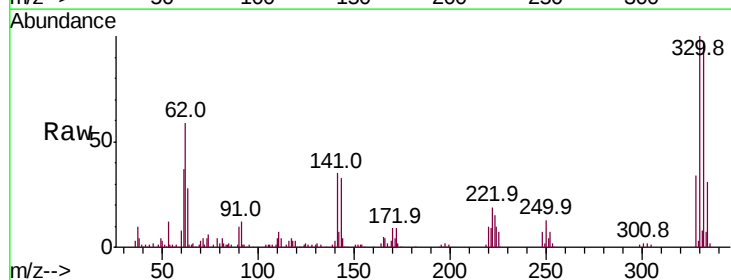
Instrument :
 BNA_F
 ClientSampled :

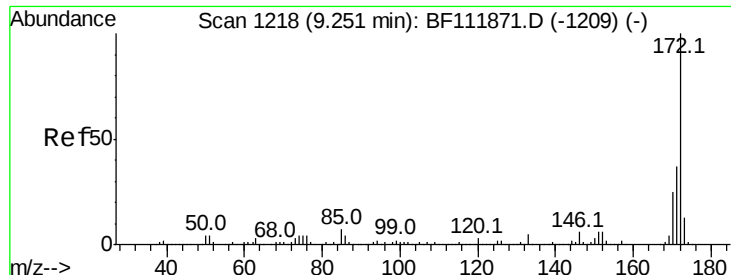
Tot Ion:164 Resp: 165909
 Ion Ratio Lower Upper
 164 100
 162 102.7 82.2 123.2
 160 44.4 35.5 53.3



#42
 2,4,6-Tribromophenol
 Concen: 74.964 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF111962.D
 Acq: 9 Jan 2019 21:04

Tgt Ion:330 Resp: 161771
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.9 115.3
 141 31.2 23.7 35.5

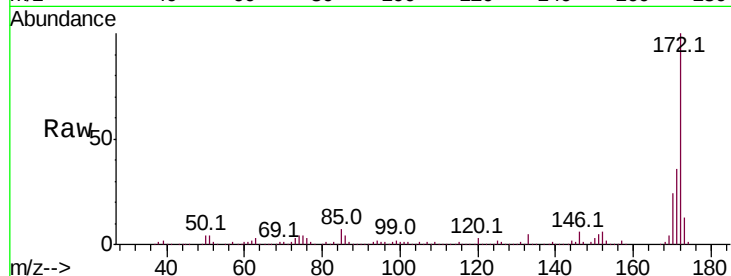




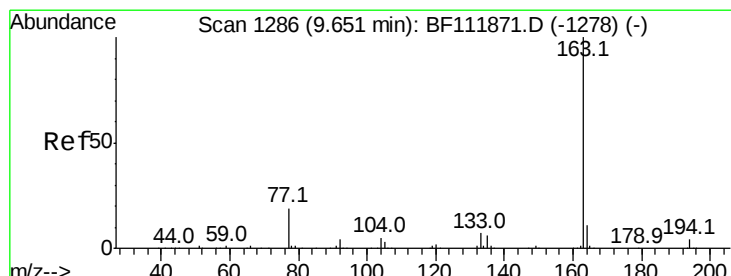
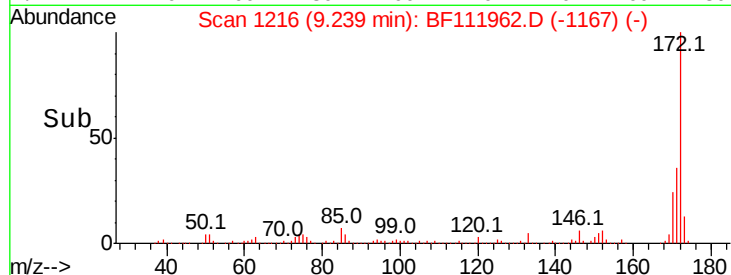
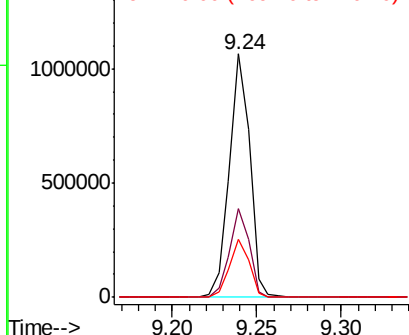
#45
2-Fluorobiphenyl
Concen: 78.594 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF111962.D
Acq: 9 Jan 2019 21:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.7	19.8	29.8

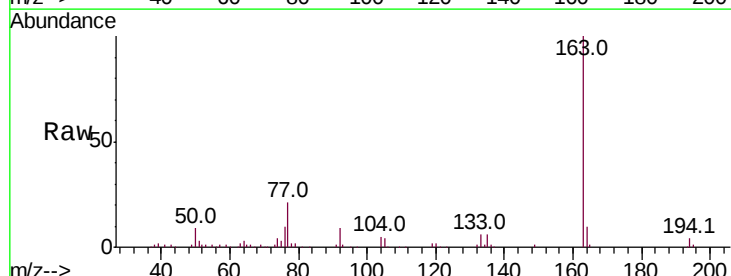


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

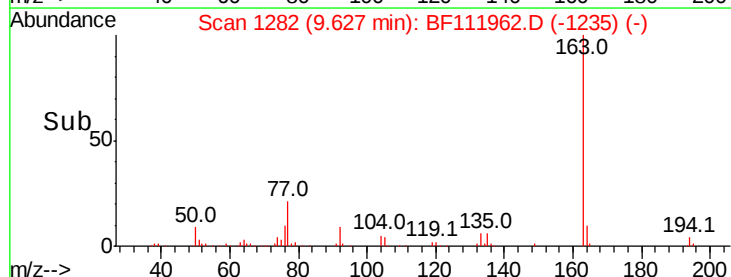
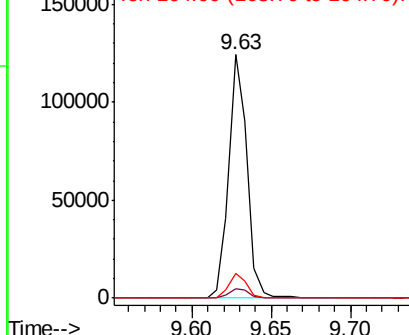


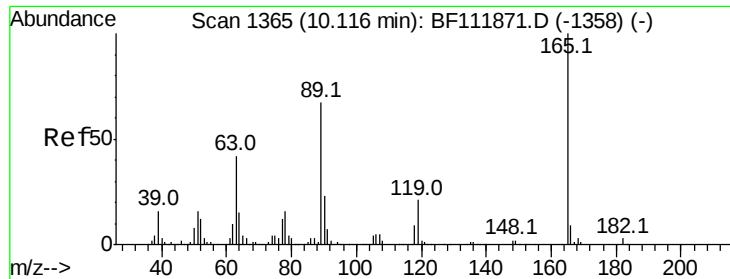
#50
Dimethylphthalate
Concen: 7.998 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF111962.D
Acq: 9 Jan 2019 21:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.2
164	10.2	8.5	12.7



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

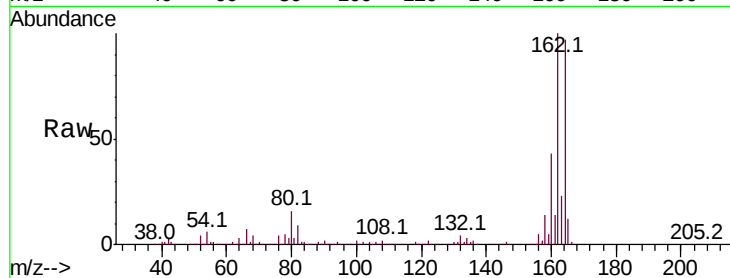




#57
 2,4-Dinitrotoluene
 Concen: 5.714 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.19 min
 Lab File: BF111962.D
 Acq: 9 Jan 2019 21:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.1	51.1#
89	1.6	53.5	80.3#
182	0.0	2.0	3.0#

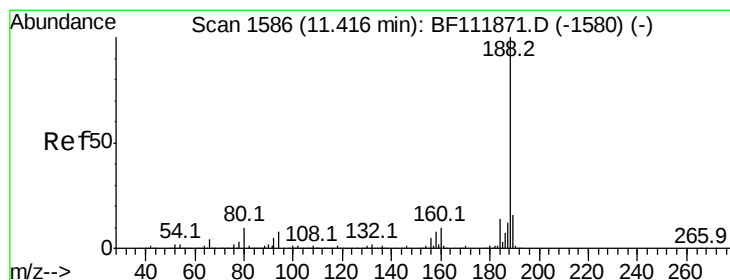
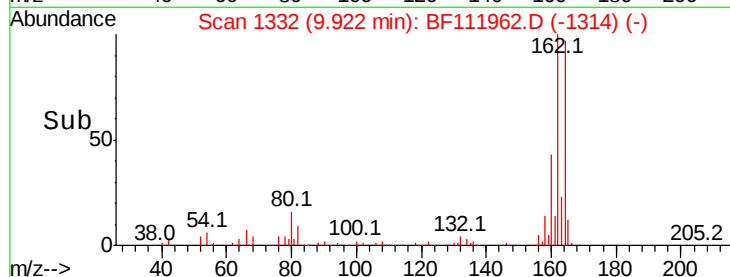
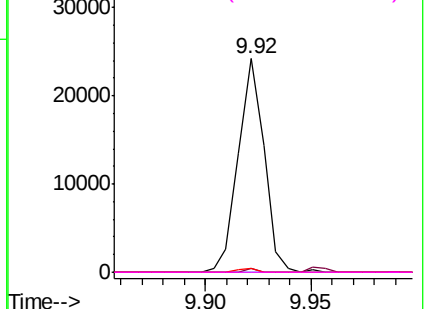


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

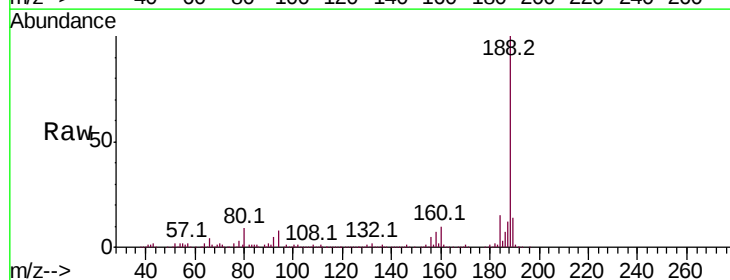
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF111962.D
 Acq: 9 Jan 2019 21:04

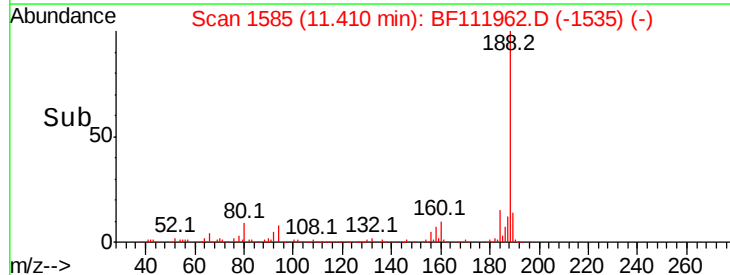
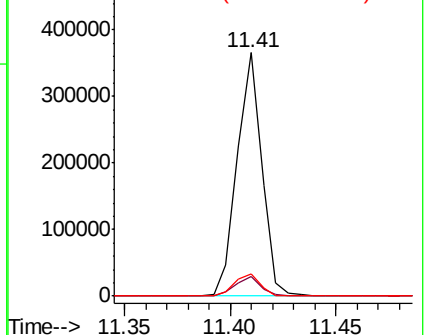
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.6	10.0
80	8.9	7.7	11.5

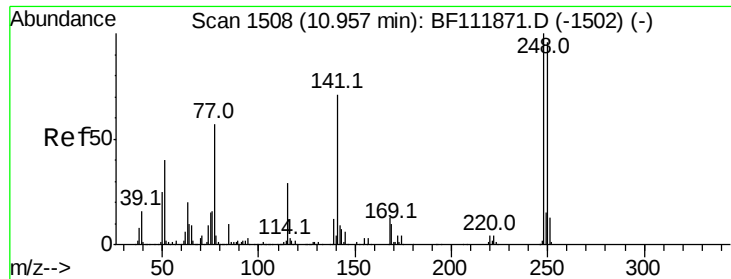


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

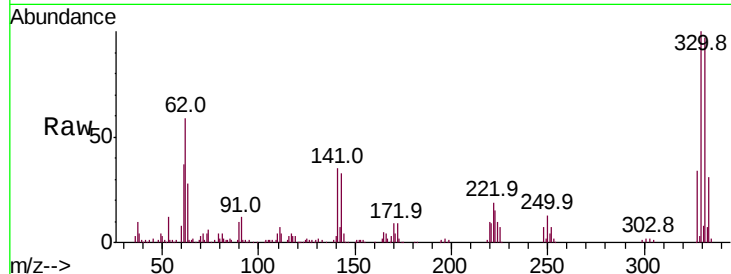




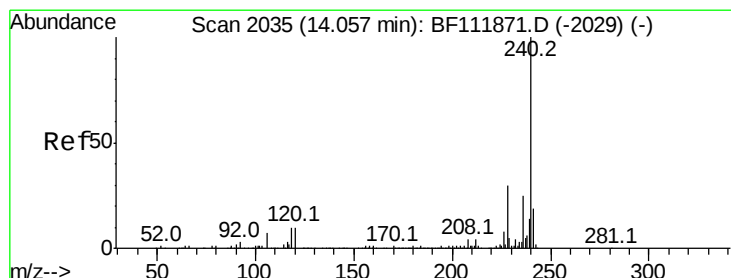
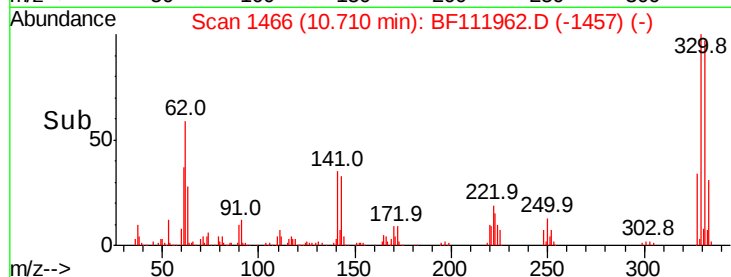
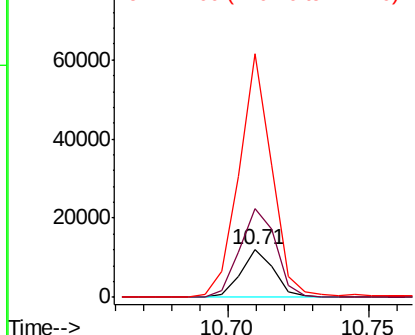
#67
4-Bromophenyl-phenylether
Concen: 2.535 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.25 min
Lab File: BF111962.D
Acq: 9 Jan 2019 21:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9675
Ion Ratio Lower Upper
248 100
250 189.3 76.8 115.2#
141 516.5 57.0 85.6#

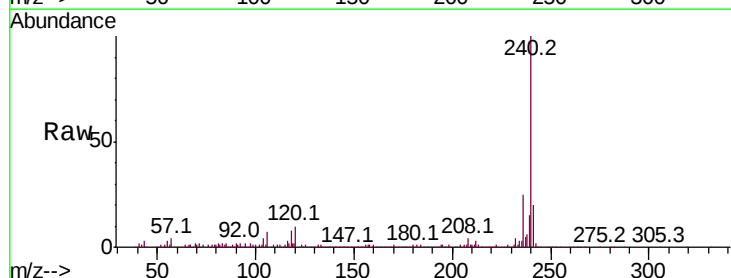


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

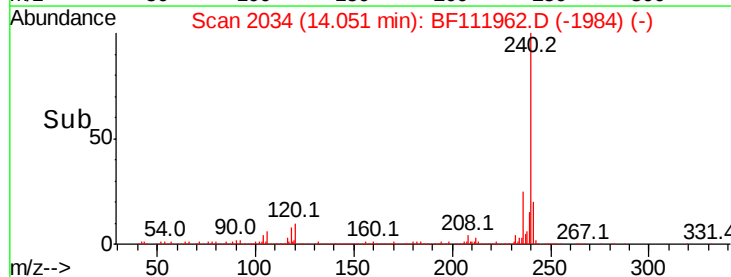
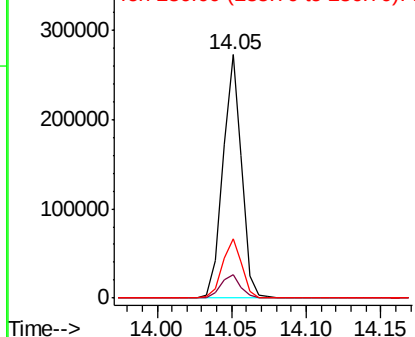


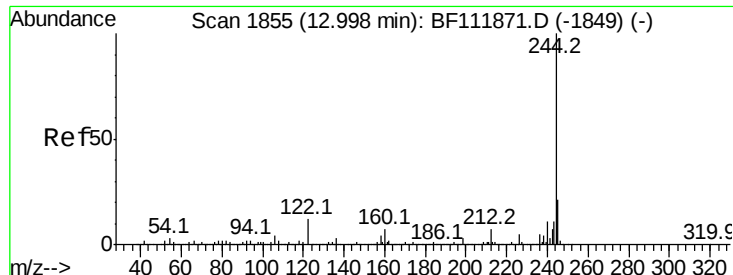
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF111962.D
Acq: 9 Jan 2019 21:04

Tgt Ion:240 Resp: 241092
Ion Ratio Lower Upper
240 100
120 9.7 8.2 12.2
236 24.6 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

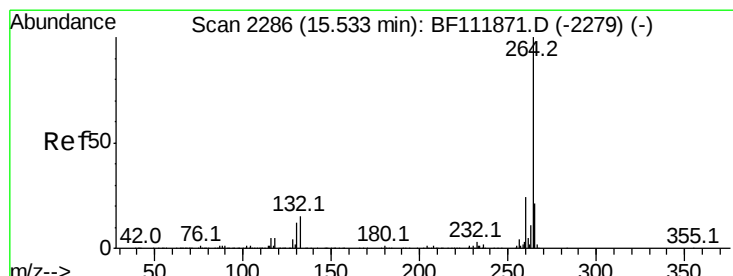
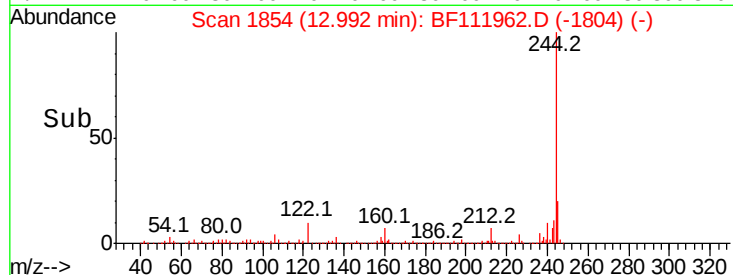
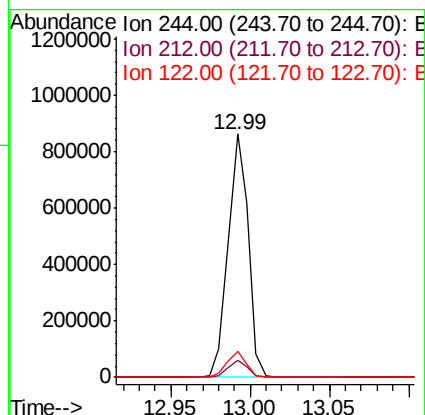
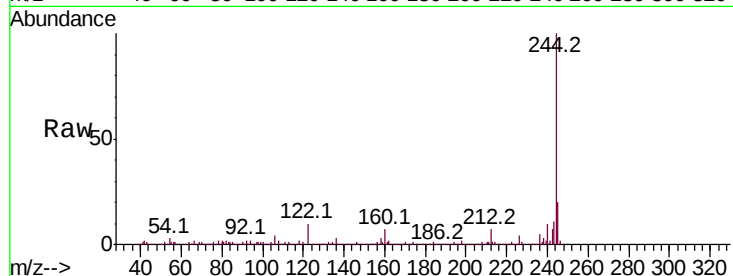




#79
 Terphenyl-d14
 Concen: 59.477 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF111962.D
 Acq: 9 Jan 2019 21:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	10.4	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: BF111962.D
 Acq: 9 Jan 2019 21:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	17.1	25.7

