

Data Path : U:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084520.D
 Acq On : 16 Jan 2016 5:20
 Operator : SJ/UM
 Sample : H1144-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 05:47:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

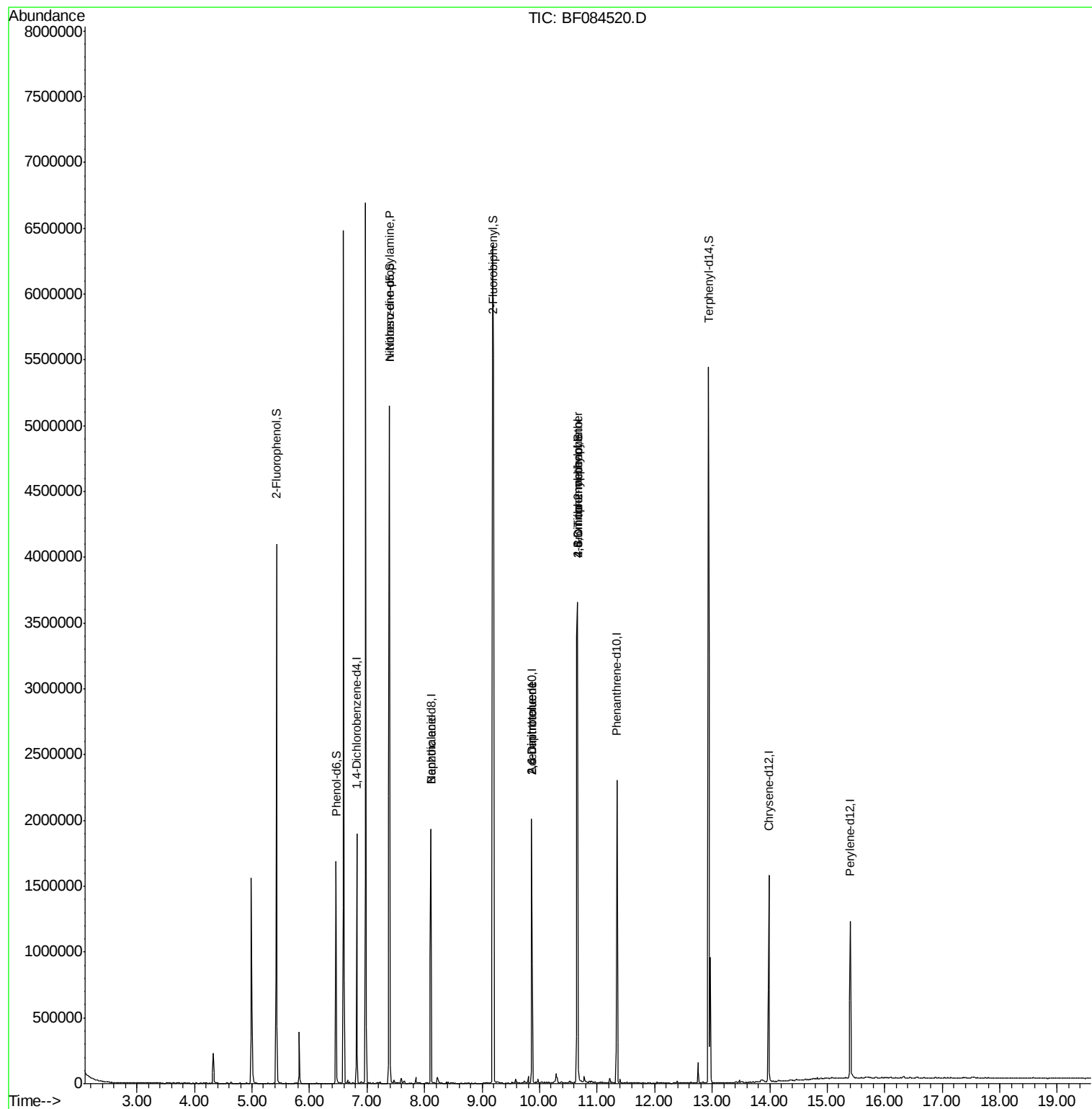
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	250773	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	1010823	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	432329	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	773534	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	604466	20.00	ng	-0.01
86) Perylene-d12	15.40	264	543747	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1049060	67.66	ng	-0.01
7) Phenol-d6	6.46	99	838963	43.09	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1741558	95.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	691005	158.32	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	2949961	122.85	ng	0.00
78) Terphenyl-d14	12.93	244	2205369	81.44	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	247318	18.76	ng	# 74
32) Benzoic acid	8.11	122	214	6.27	ng	# 1
50) 2,6-Dinitrotoluene	9.86	165	55551	8.19	ng	# 37
54) Dibenzofuran	10.06	168	285	Below Cal	#	45
56) 2,4-Dinitrotoluene	9.86	165	55551	6.47	ng	# 21
57) Fluorene	10.65	166	26385	Below Cal	#	85
60) 4-Chlorophenyl-phenylether	10.21	204	218	Below Cal	#	24
64) 4,6-Dinitro-2-methylphenol	10.66	198	1551	6.66	ng	# 12
66) 4-Bromophenyl-phenylether	10.66	248	43603	5.24	ng	# 1
73) Di-n-butylphthalate	11.92	149	3689	Below Cal	#	95

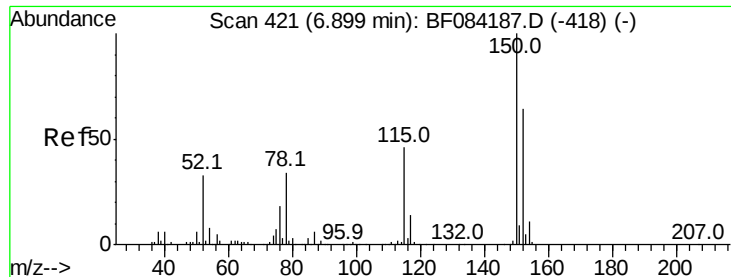
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF084520.D

Acq: 16 Jan 2016 5:20

Instrument :

BNA_F

ClientSampleId :

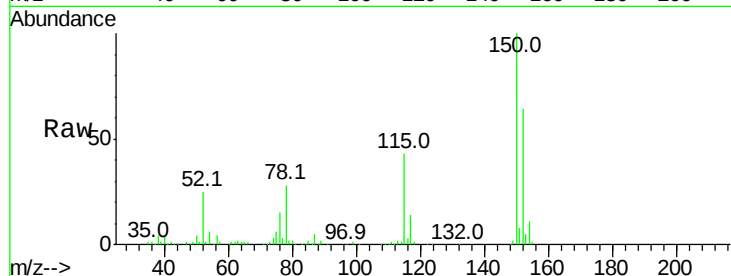
Tot Ion:152 Resp: 250773

Ion Ratio Lower Upper

152 100

150 156.4 123.0 184.4

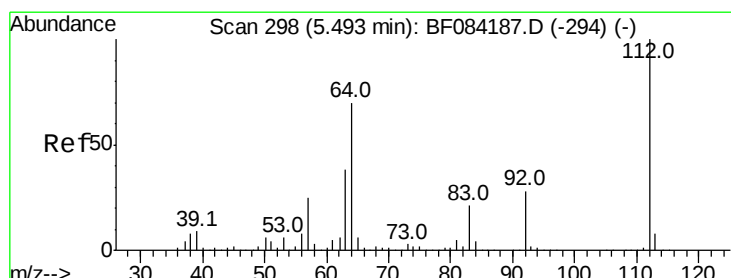
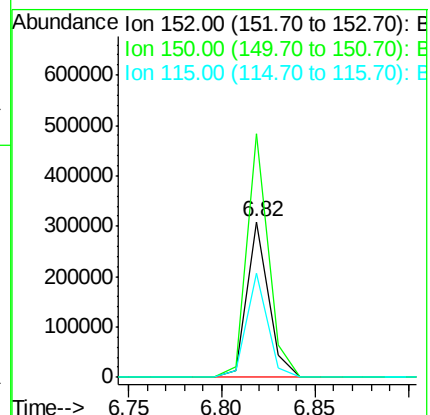
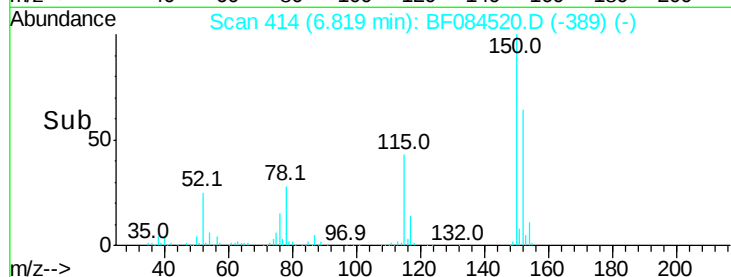
115 66.9 51.4 77.2



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: 67.66 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.01 min

Lab File: BF084520.D

Acq: 16 Jan 2016 5:20

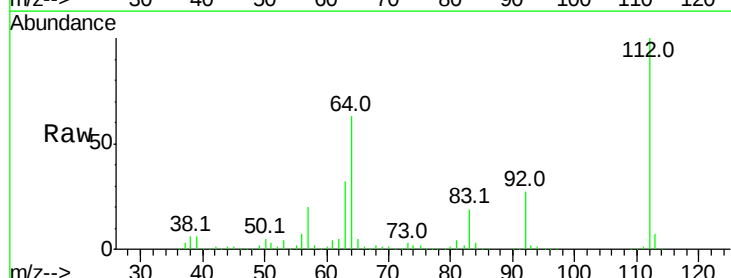
Tgt Ion:112 Resp: 1049060

Ion Ratio Lower Upper

112 100

64 62.9 36.6 55.0#

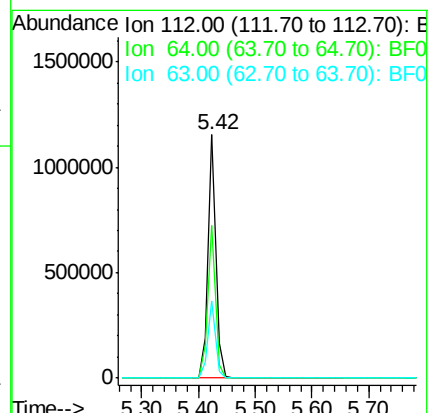
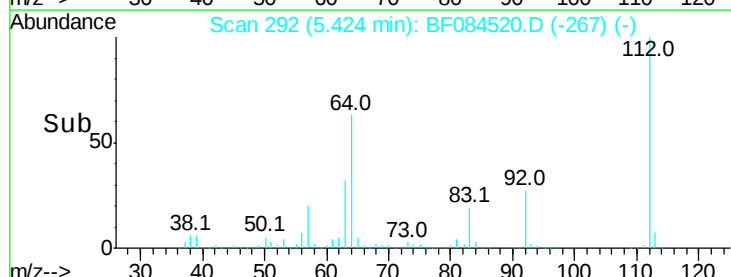
63 31.6 19.4 29.0#

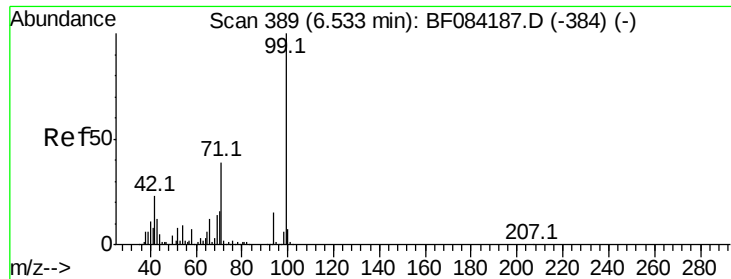


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.09 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084520.D

Acq: 16 Jan 2016 5:20

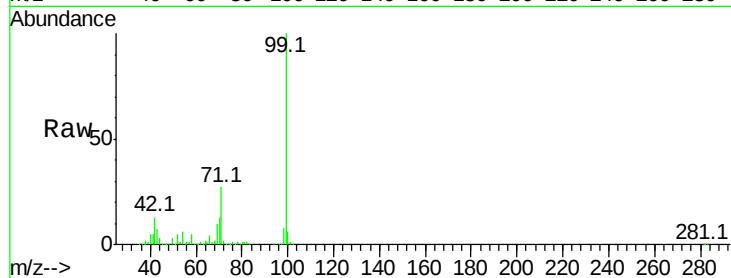
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 838963

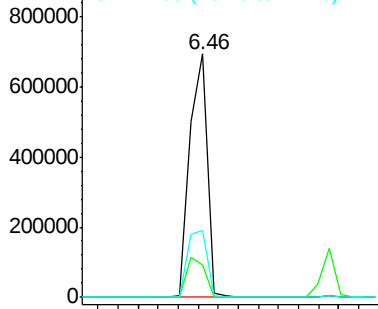
Ion	Ratio	Lower	Upper
99	100		
42	13.1	12.8	19.2
71	27.4	30.9	46.3



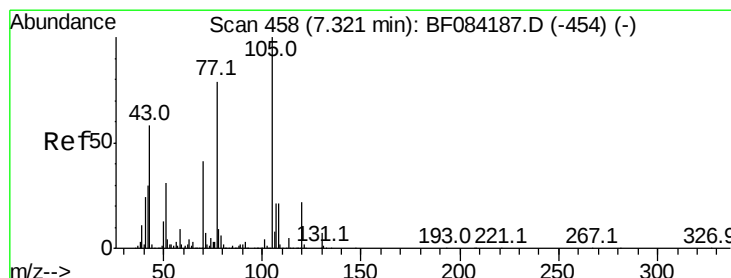
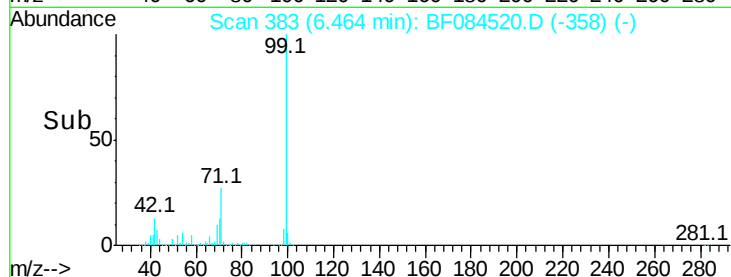
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 18.76 ng

RT: 7.39 min Scan# 464

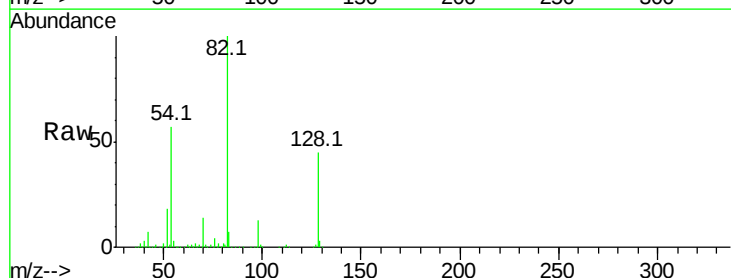
Delta R.T. 0.14 min

Lab File: BF084520.D

Acq: 16 Jan 2016 5:20

Tgt Ion: 70 Resp: 247318

Ion	Ratio	Lower	Upper
70	100		
42	46.9	33.3	49.9
101	0.0	9.3	13.9
130	2.2	23.4	35.0

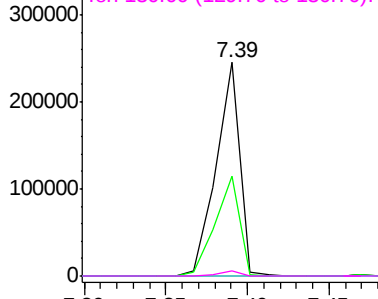


Abundance Ion 70.00 (69.70 to 70.70): BF0

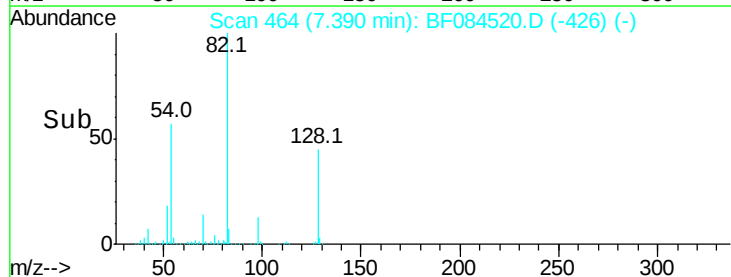
Ion 42.00 (41.70 to 42.70): BF0

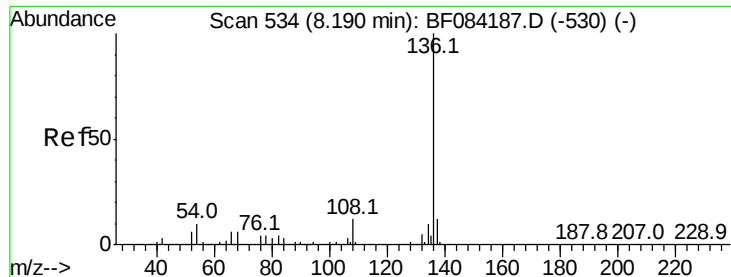
Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



Time-->





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.01 min

Lab File: BF084520.D

Acq: 16 Jan 2016 5:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1010823

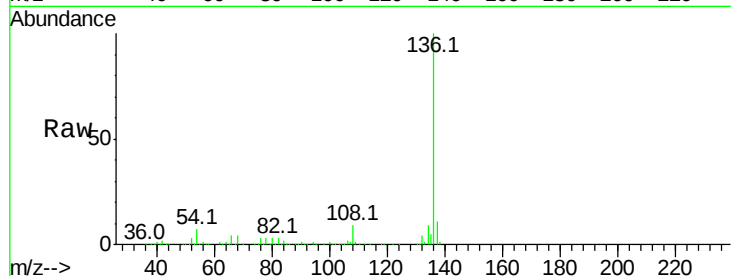
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.6 5.8 8.8

68 4.5 4.2 6.2

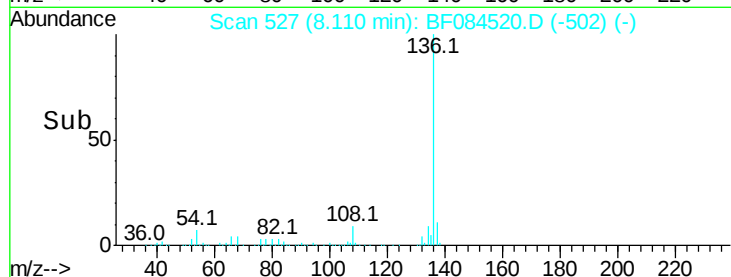


Abundance Ion 136.00 (135.70 to 136.70): E

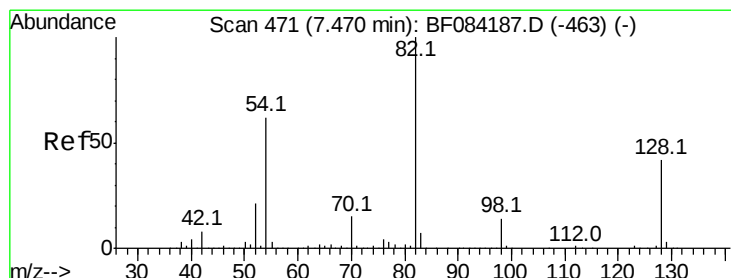
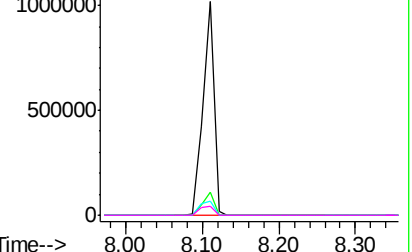
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 95.89 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.01 min

Lab File: BF084520.D

Acq: 16 Jan 2016 5:20

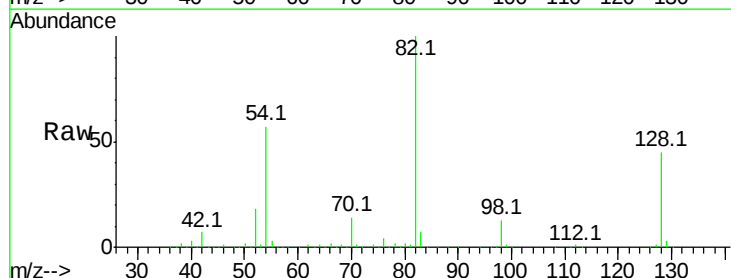
Tgt Ion: 82 Resp: 1741558

Ion Ratio Lower Upper

82 100

128 45.1 34.6 51.8

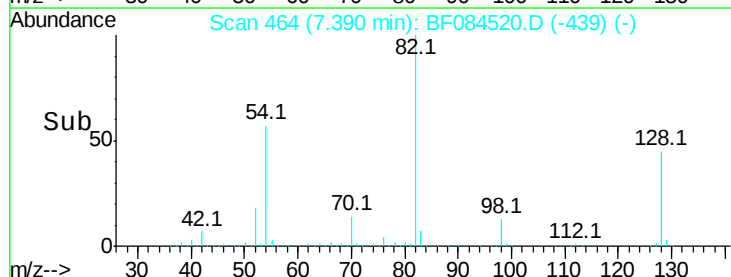
54 56.8 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

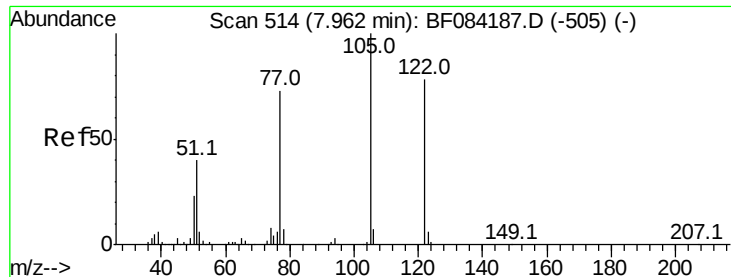
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#32

Benzoic acid

Concen: 6.27 ng

RT: 8.11 min Scan# 527

Delta R.T. 0.22 min

Lab File: BF084520.D

Acq: 16 Jan 2016 5:20

Instrument :

BNA_F

ClientSampleId :

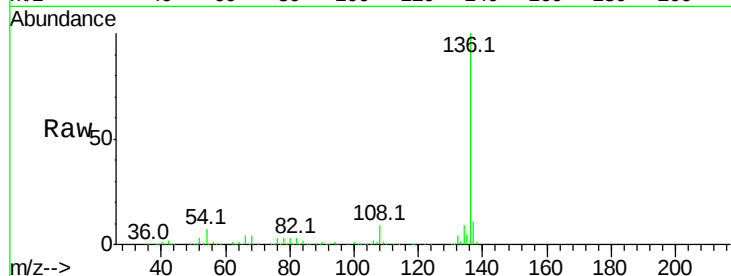
Tot Ion:122 Resp: 214

Ion Ratio Lower Upper

122 100

105 242.6 100.3 140.3#

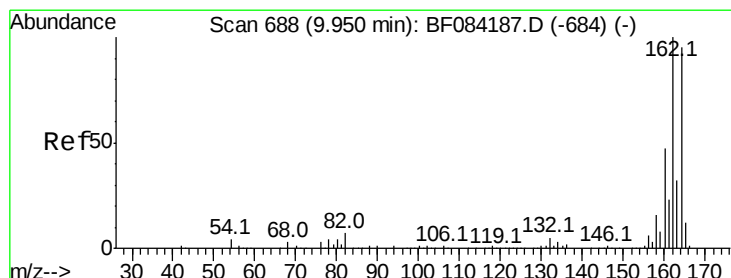
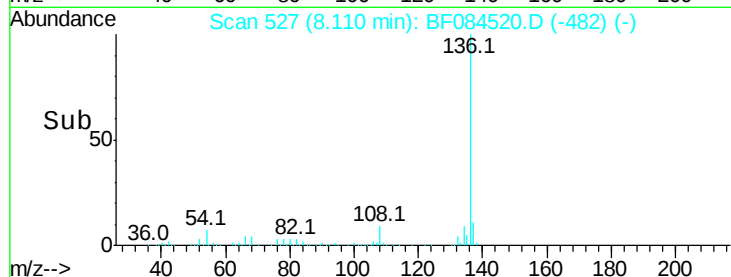
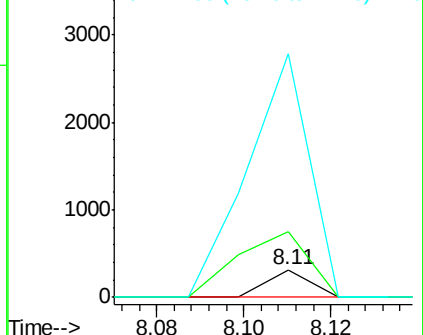
77 892.3 63.5 103.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF084520.D

Acq: 16 Jan 2016 5:20

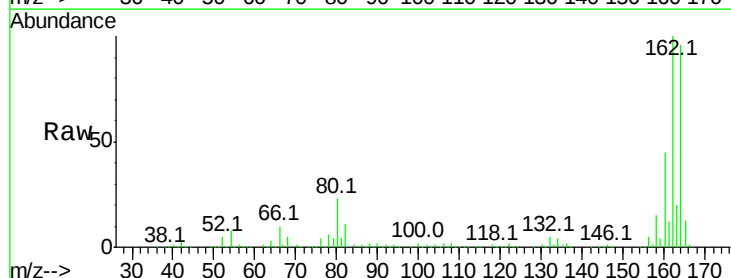
Tgt Ion:164 Resp: 432329

Ion Ratio Lower Upper

164 100

162 104.6 85.1 127.7

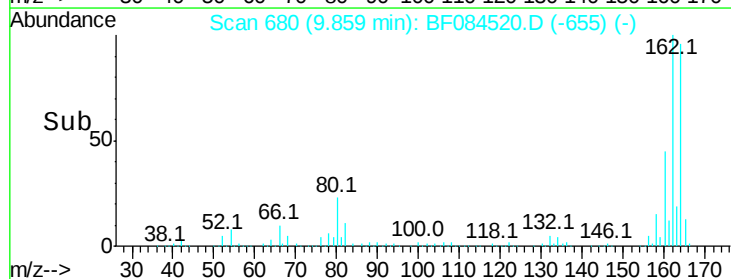
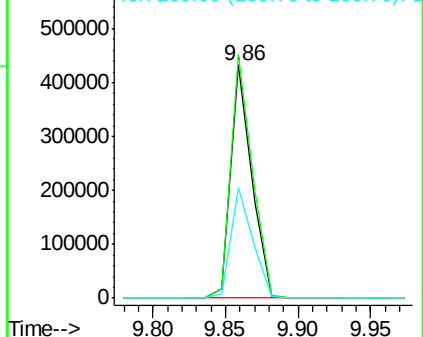
160 47.4 37.5 56.3

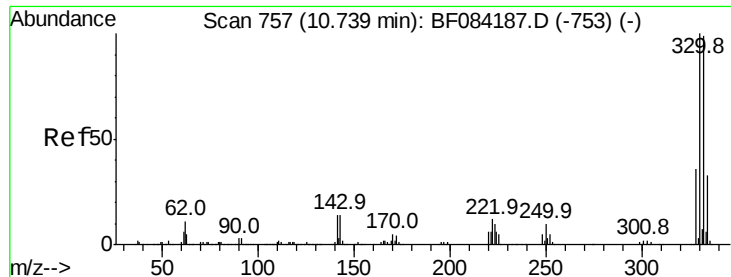


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

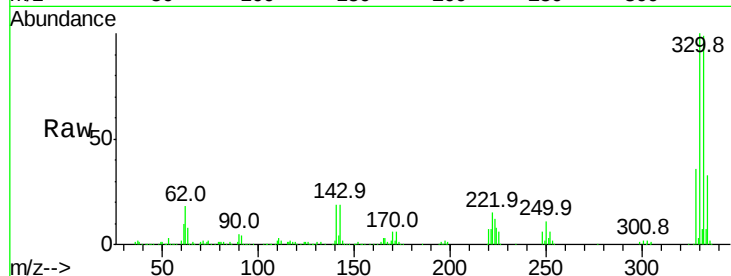




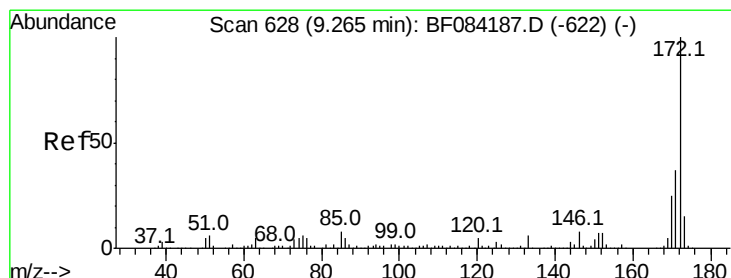
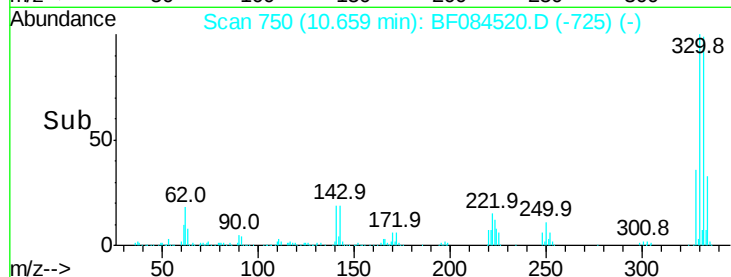
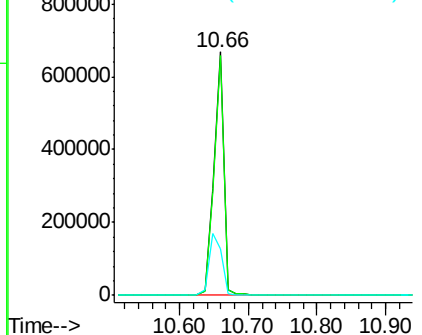
#41
 2,4,6-Tribromophenol
 Concen: 158.32 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF084520.D
 Acq: 16 Jan 2016 5:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.6	114.8
141	32.3	27.8	41.6

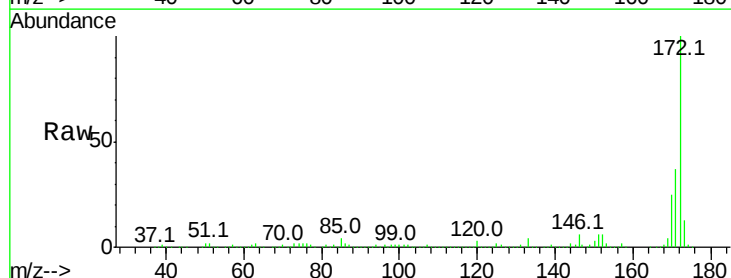


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

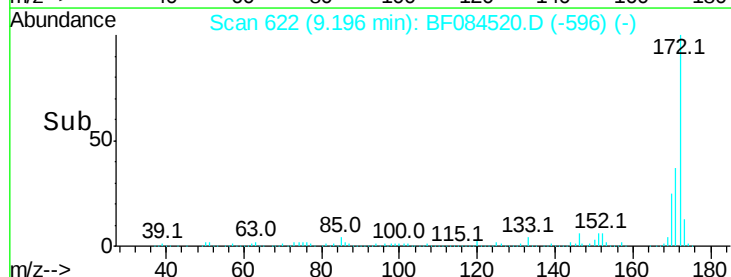
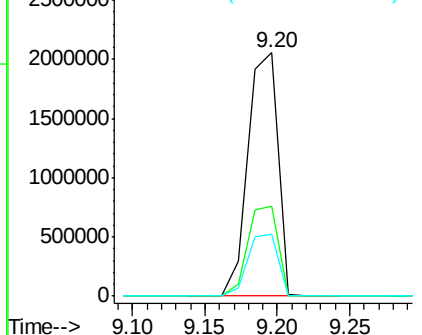


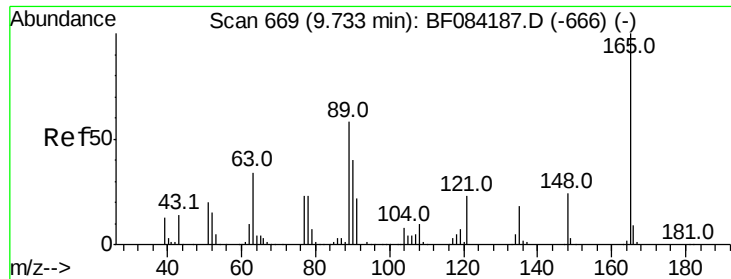
#44
 2-Fluorobiphenyl
 Concen: 122.85 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084520.D
 Acq: 16 Jan 2016 5:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.9	43.3
170	25.2	18.6	27.8



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

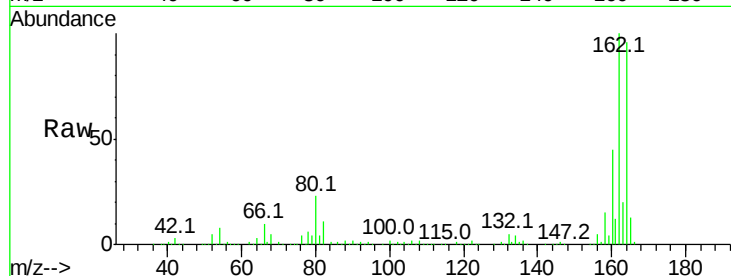




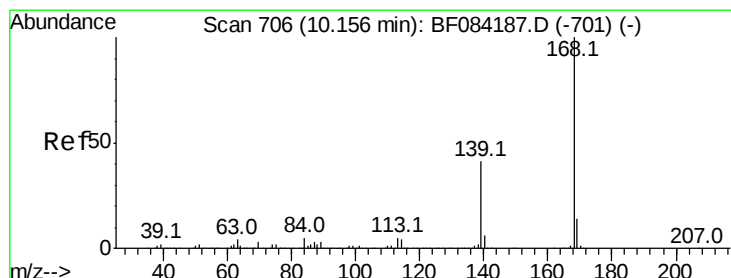
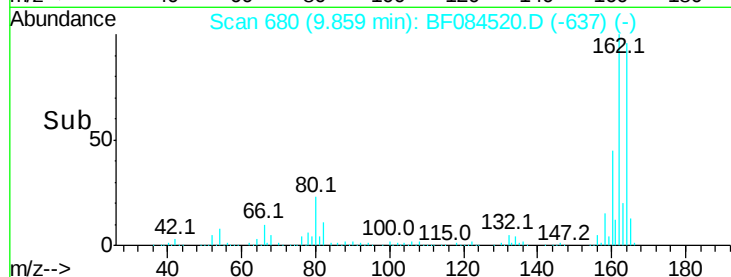
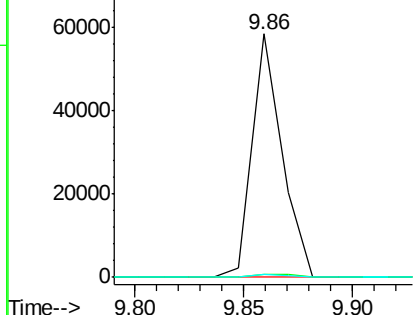
#50
2,6-Dinitrotoluene
Concen: 8.19 ng
RT: 9.86 min Scan# 680
Delta R.T. 0.19 min
Lab File: BF084520.D
Acq: 16 Jan 2016 5:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	28.8	43.2#
89	1.2	35.1	52.7#

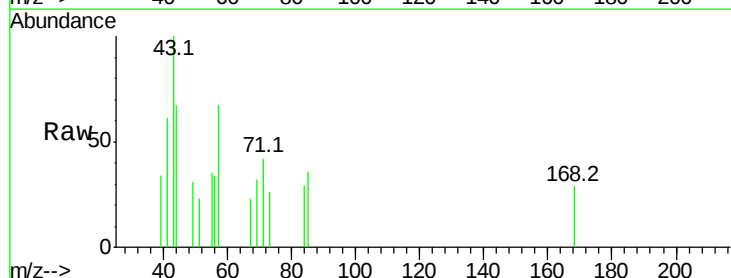


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

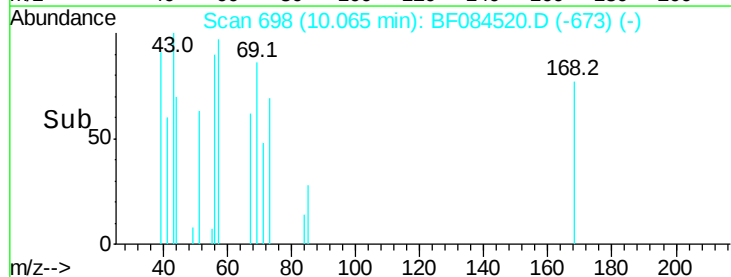
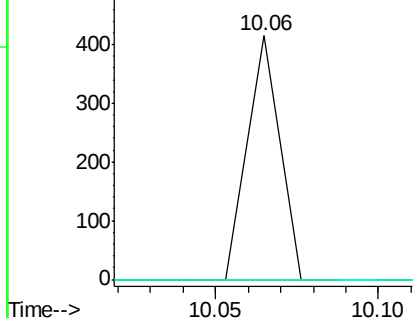


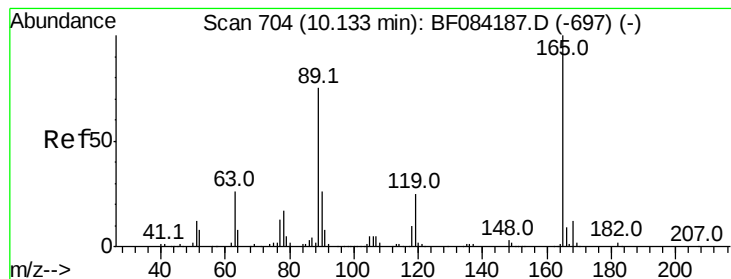
#54
Dibenzofuran
Concen: Below Cal
RT: 10.06 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF084520.D
Acq: 16 Jan 2016 5:20

Tgt Ion	Ratio	Lower	Upper
168	100		
139	0.0	30.5	45.7#
169	0.0	10.4	15.6#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#56

2,4-Dinitrotoluene

Concen: 6.47 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.21 min

Lab File: BF084520.D

Acq: 16 Jan 2016 5:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 55551

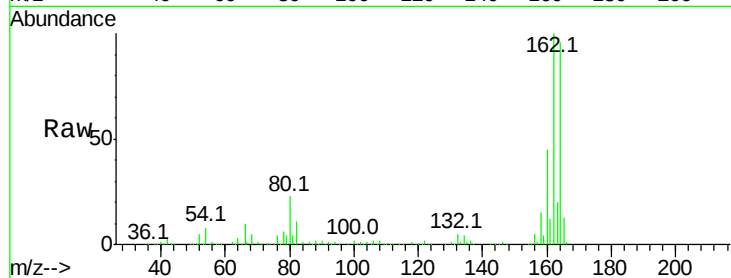
Ion Ratio Lower Upper

165 100

63 1.3 36.7 55.1#

89 1.2 61.9 92.9#

182 0.0 2.0 3.0#

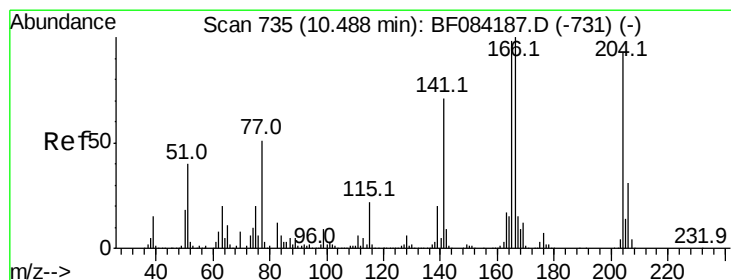
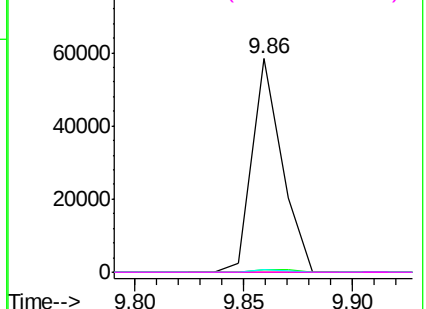
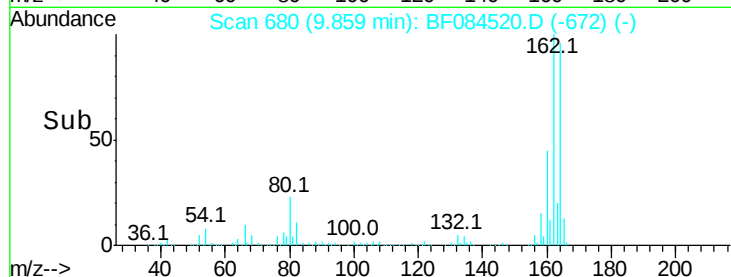


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.21 min Scan# 711

Delta R.T. -0.21 min

Lab File: BF084520.D

Acq: 16 Jan 2016 5:20

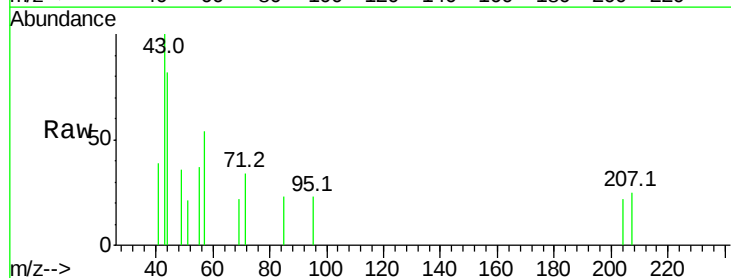
Tgt Ion:204 Resp: 218

Ion Ratio Lower Upper

204 100

206 0.0 25.7 38.5#

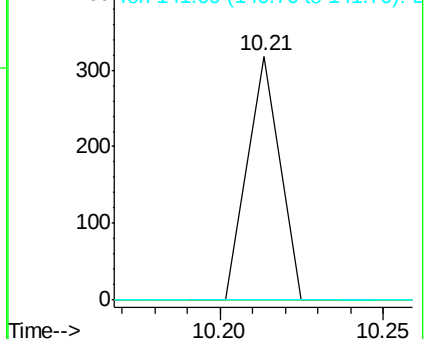
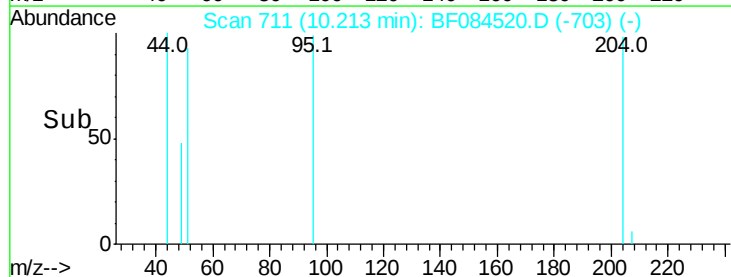
141 0.0 55.1 82.7#

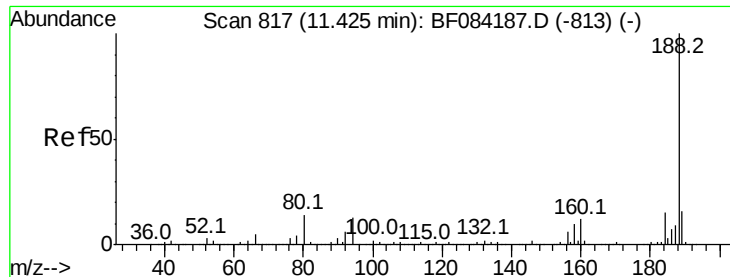


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

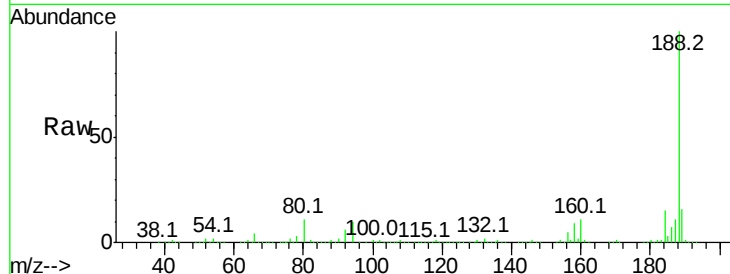




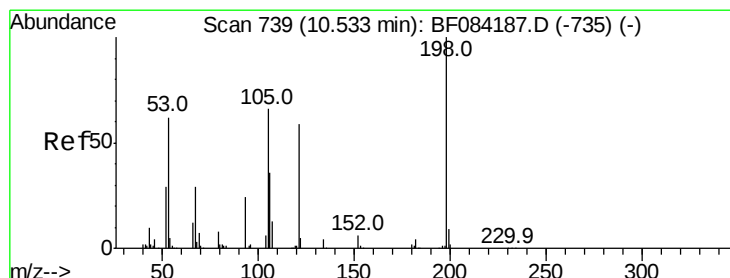
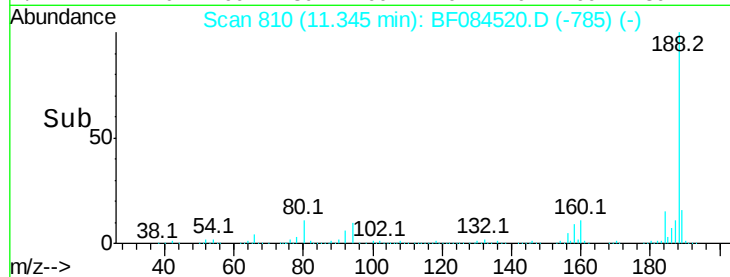
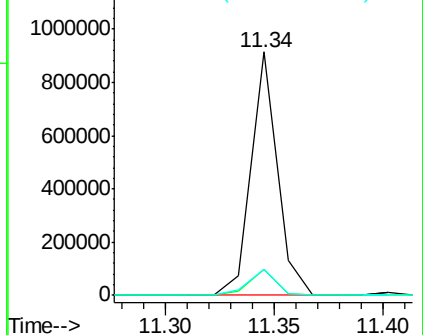
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF084520.D
 Acq: 16 Jan 2016 5:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 773534
 Ion Ratio Lower Upper
 188 100
 94 10.5 9.0 13.4
 80 10.9 9.6 14.4

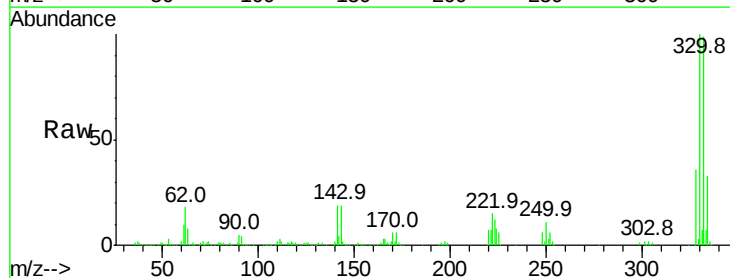


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

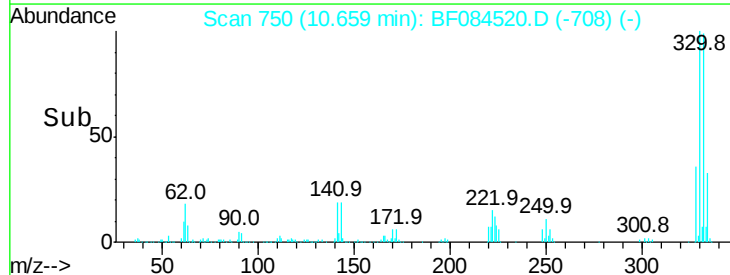
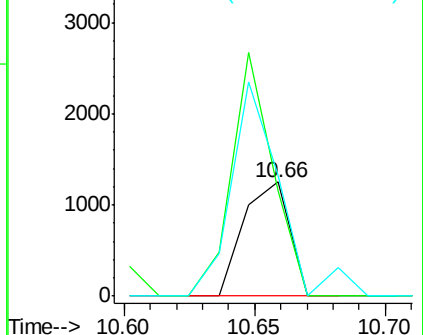


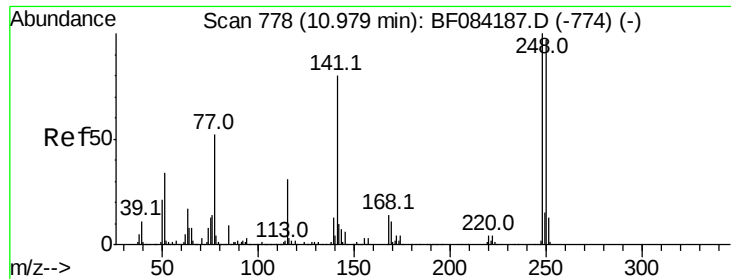
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.66 ng
 RT: 10.66 min Scan# 750
 Delta R.T. 0.18 min
 Lab File: BF084520.D
 Acq: 16 Jan 2016 5:20

Tgt Ion:198 Resp: 1551
 Ion Ratio Lower Upper
 198 100
 51 92.3 18.9 58.9#
 105 105.1 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

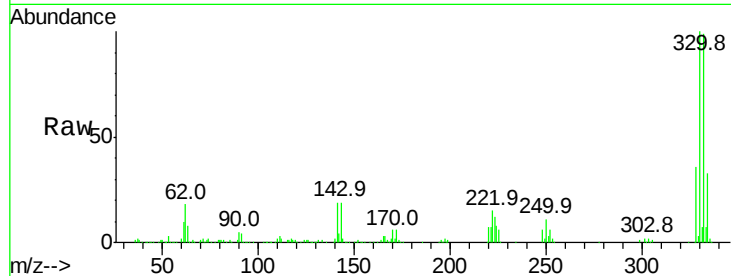




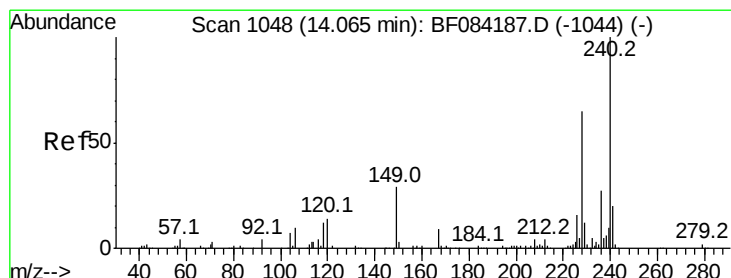
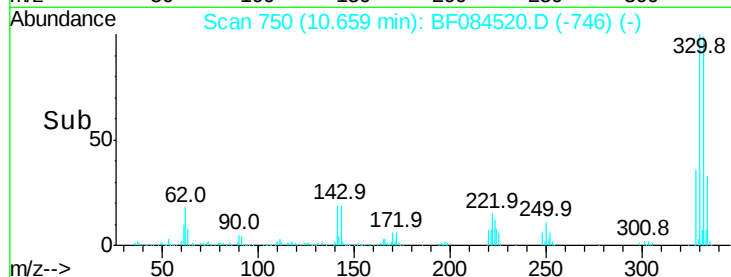
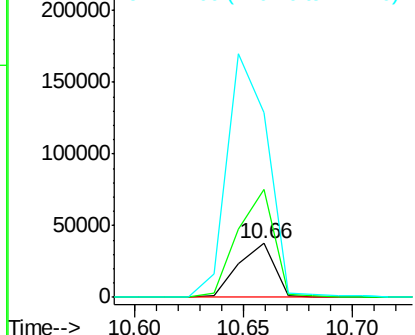
#66
4-Bromophenyl-phenylether
Concen: 5.24 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.25 min
Lab File: BF084520.D
Acq: 16 Jan 2016 5:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 43603
Ion Ratio Lower Upper
248 100
250 200.5 78.4 117.6#
141 342.8 44.0 66.0#

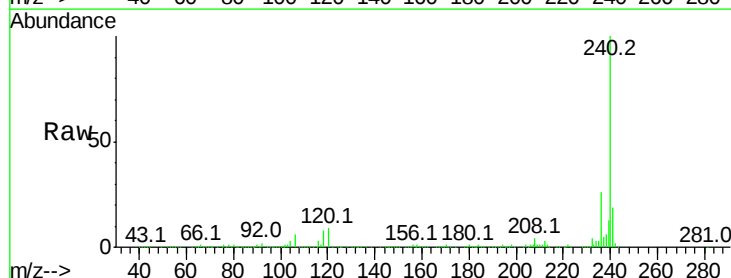


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

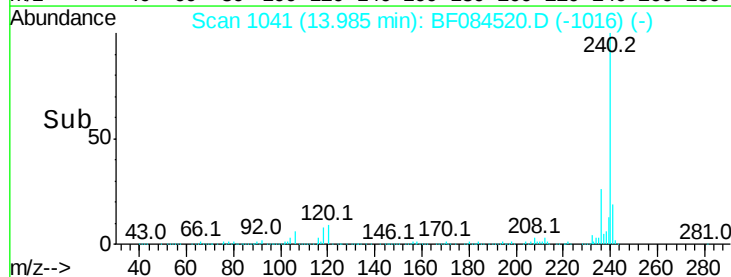
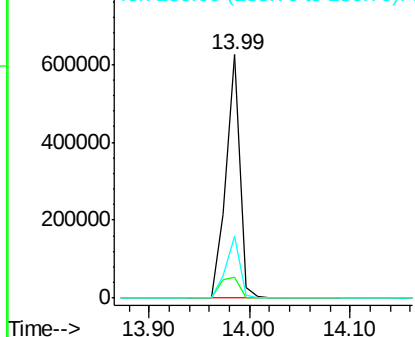


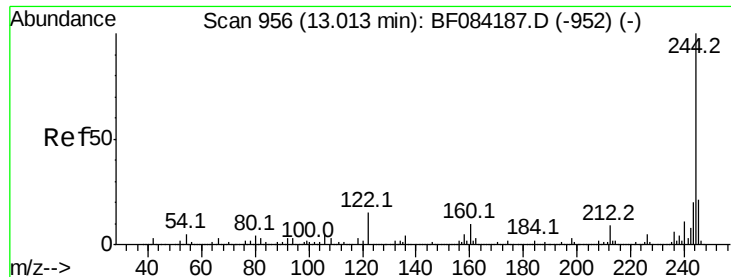
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF084520.D
Acq: 16 Jan 2016 5:20

Tgt Ion:240 Resp: 604466
Ion Ratio Lower Upper
240 100
120 8.8 9.5 14.3#
236 25.6 20.6 31.0



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

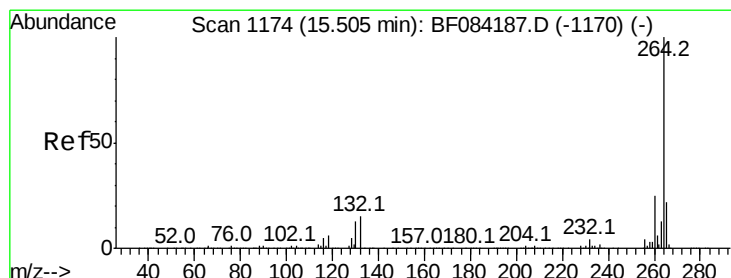
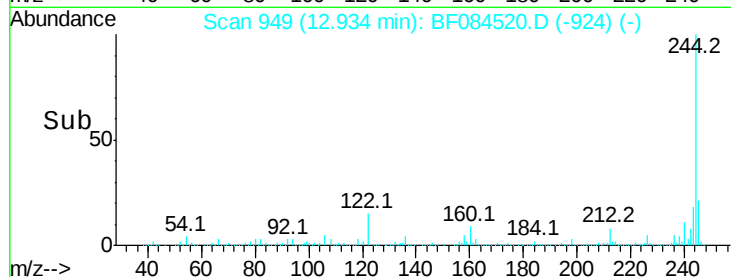
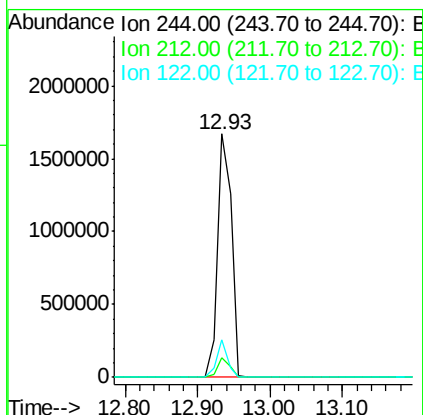
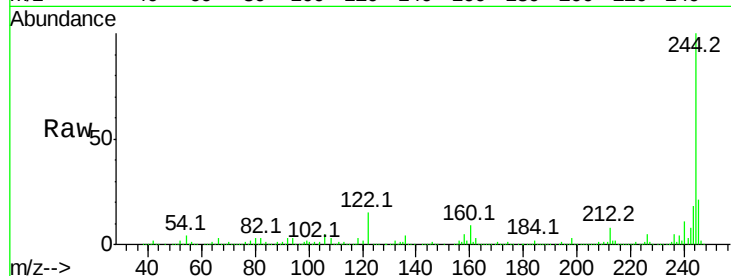




#78
 Terphenyl-d14
 Concen: 81.44 ng
 RT: 12.93 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: BF084520.D
 Acq: 16 Jan 2016 5:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 2205369
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.7 8.5
 122 15.4 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF084520.D
 Acq: 16 Jan 2016 5:20

Tgt Ion:264 Resp: 543747
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.2
 265 22.9 17.8 26.6

