

Data Path : U:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084516.D
 Acq On : 16 Jan 2016 3:29
 Operator : SJ/UM
 Sample : H1144-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 04:06:57 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 16 03:20:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	245596	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	1021527	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	452062	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	791644	20.00	ng	0.00
75) Chrysene-d12	13.99	240	616018	20.00	ng	0.00
86) Perylene-d12	15.40	264	538483	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1926705	126.89	ng	0.01
7) Phenol-d6	6.46	99	2213760	116.09	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1600206	87.18	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	593048	129.94	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	2181704	84.89	ng	-0.01
78) Terphenyl-d14	12.93	244	1776069	64.36	ng	0.00

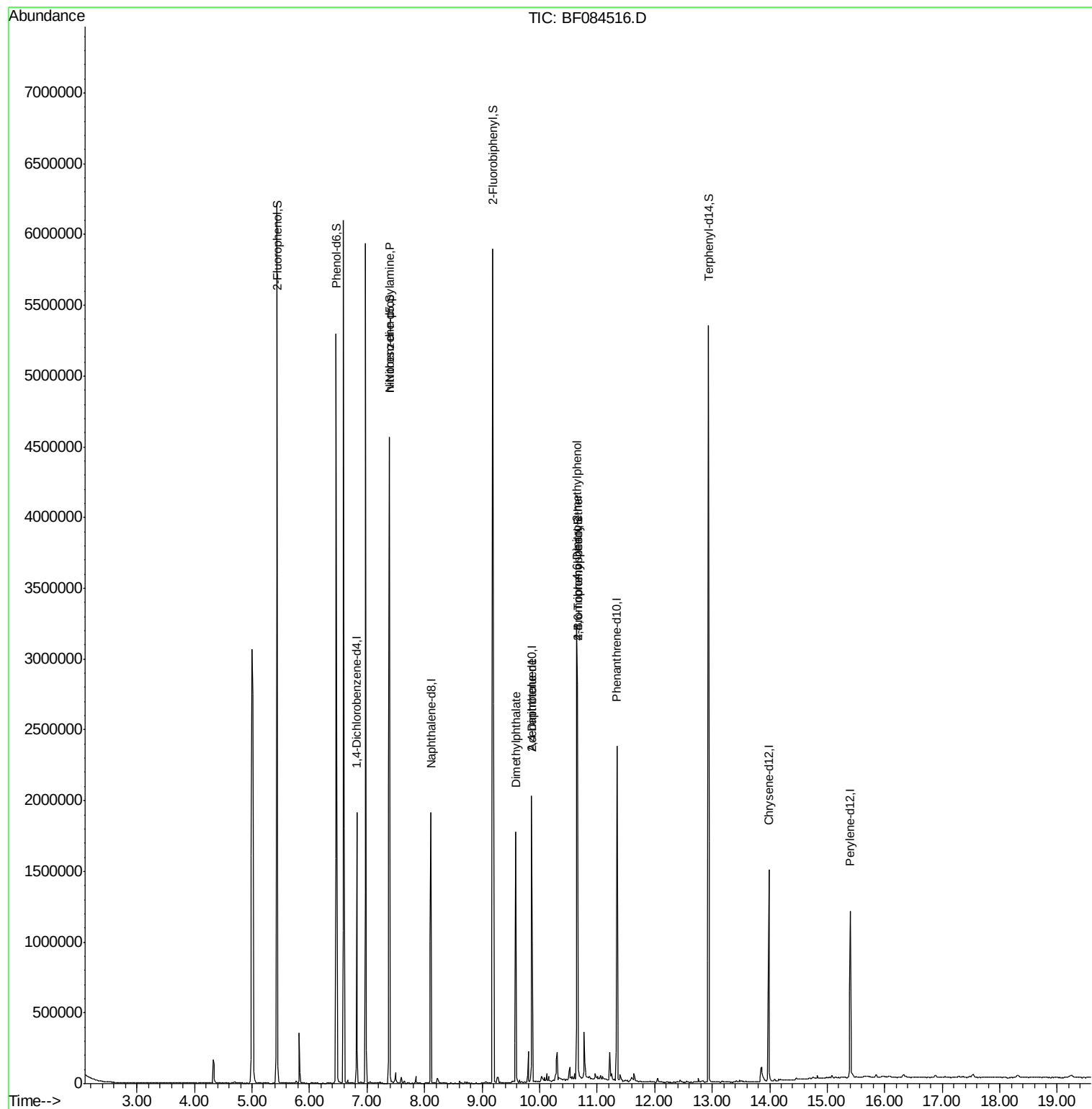
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	215809	16.72	ng	# 74
49) Dimethylphthalate	9.58	163	656198	20.30	ng	# 90
54) Dibenzofuran	10.06	168	381	Below Cal		# 45
56) 2,4-Dinitrotoluene	9.86	165	59124	6.59	ng	# 21
57) Fluorene	10.65	166	21562	Below Cal		# 77
64) 4,6-Dinitro-2-methylphenol	10.65	198	1265	6.62	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	37184	4.36	ng	# 1
73) Di-n-butylphthalate	11.92	149	2575	Below Cal		# 79

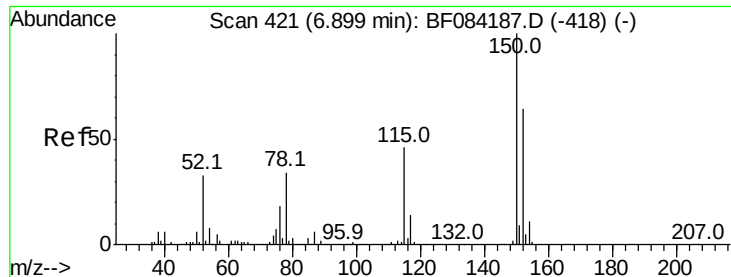
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
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QLast Update : Sat Jan 16 03:20:07 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF084516.D

Acq: 16 Jan 2016 3:29

Instrument :

BNA_F

ClientSampleId :

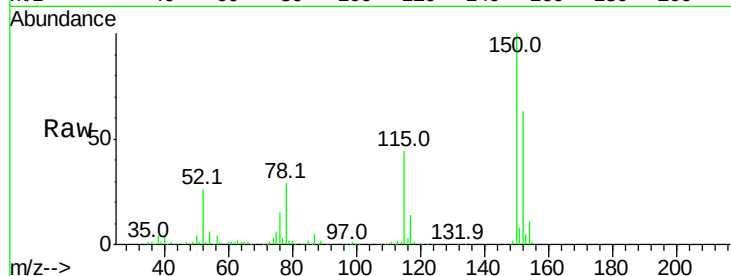
Tot Ion:152 Resp: 245596

Ion Ratio Lower Upper

152 100

150 158.8 123.0 184.4

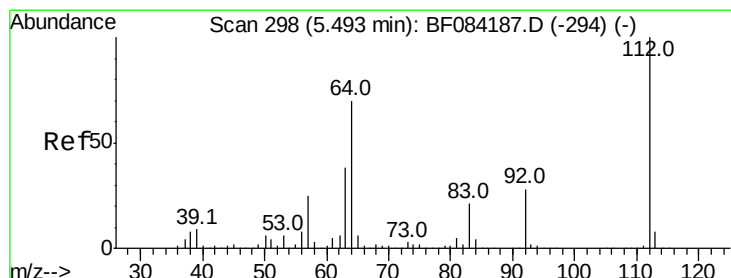
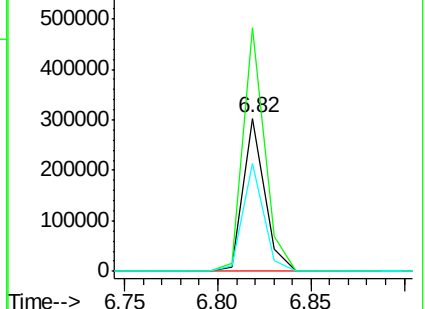
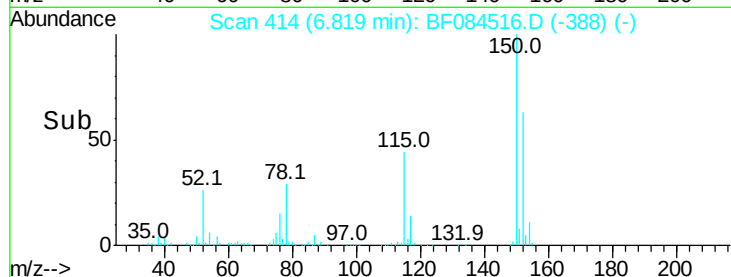
115 70.6 51.4 77.2



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: 126.89 ng

RT: 5.44 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF084516.D

Acq: 16 Jan 2016 3:29

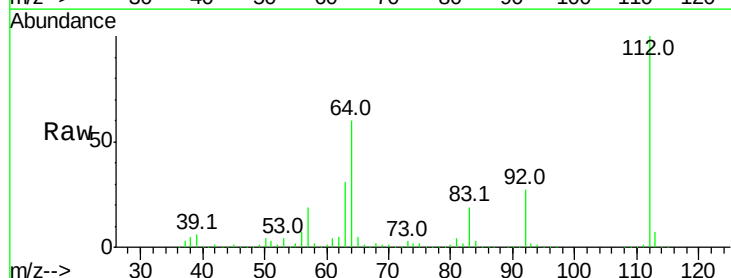
Tgt Ion:112 Resp: 1926705

Ion Ratio Lower Upper

112 100

64 59.9 36.6 55.0#

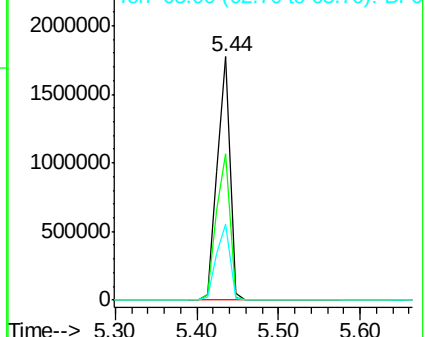
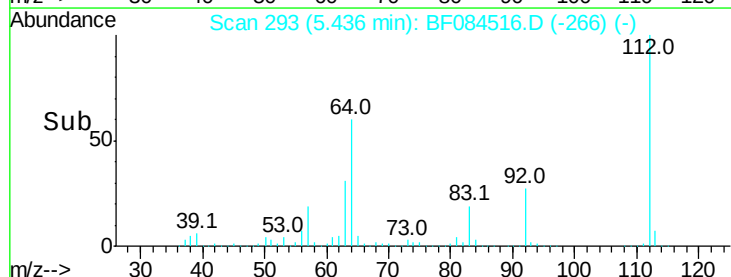
63 30.9 19.4 29.0#

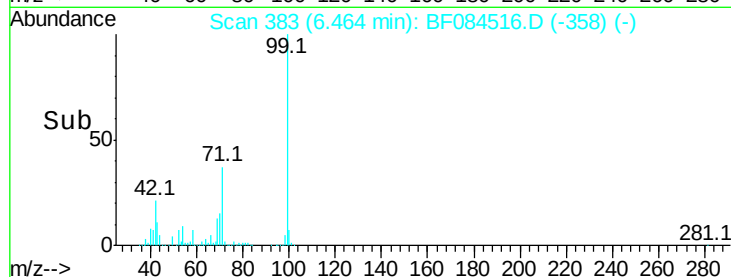
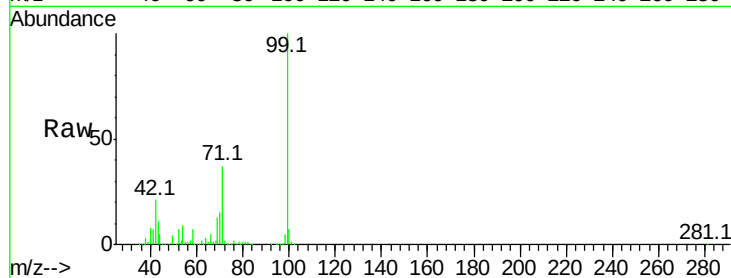
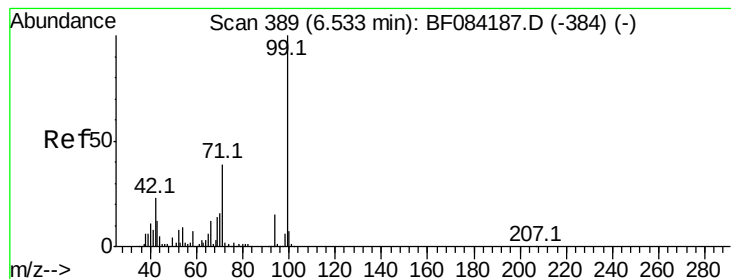


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.09 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084516.D

Acq: 16 Jan 2016 3:29

Instrument :

BNA_F

ClientSampled :

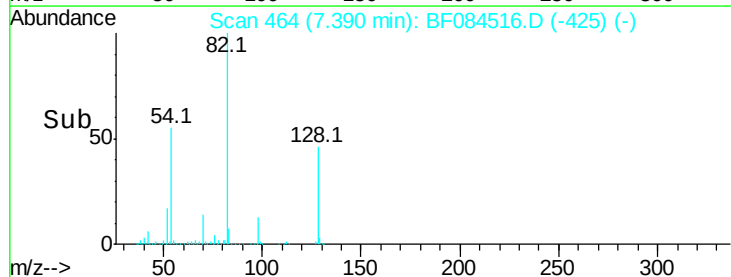
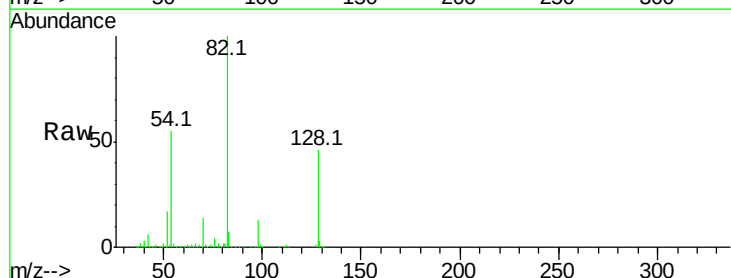
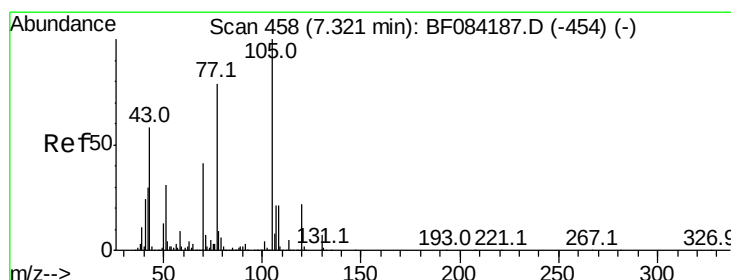
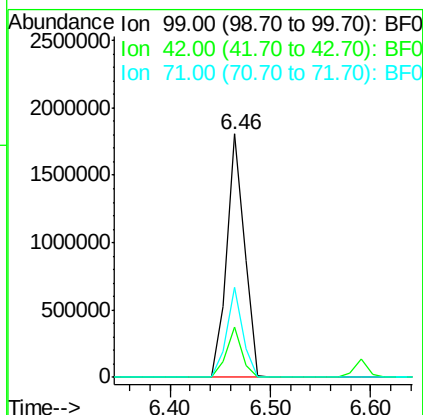
Tot Ion: 99 Resp: 2213760

Ion Ratio Lower Upper

99 100

42 20.8 12.8 19.2#

71 36.9 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.72 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF084516.D

Acq: 16 Jan 2016 3:29

Tgt Ion: 70 Resp: 215809

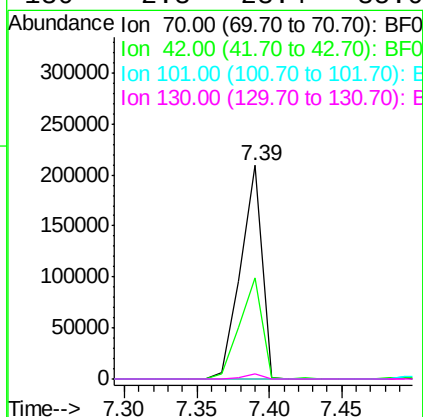
Ion Ratio Lower Upper

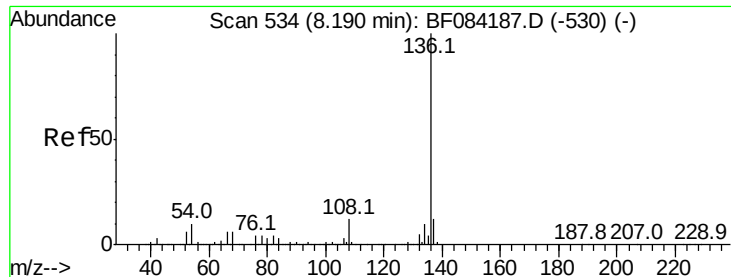
70 100

42 47.1 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF084516.D

Acq: 16 Jan 2016 3:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1021527

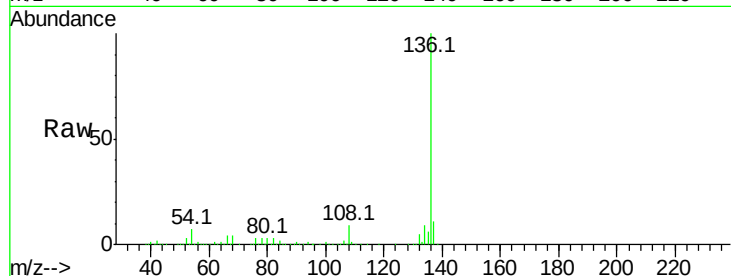
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 6.6 5.8 8.8

68 4.4 4.2 6.2

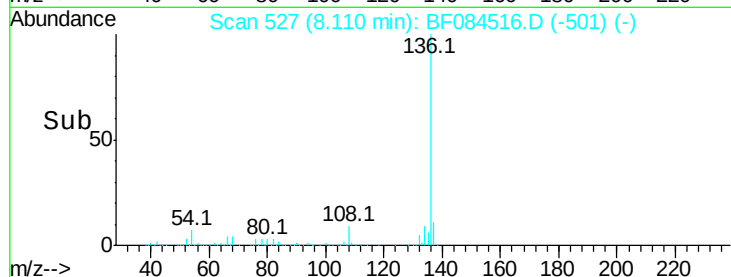


Abundance Ion 136.00 (135.70 to 136.70): E

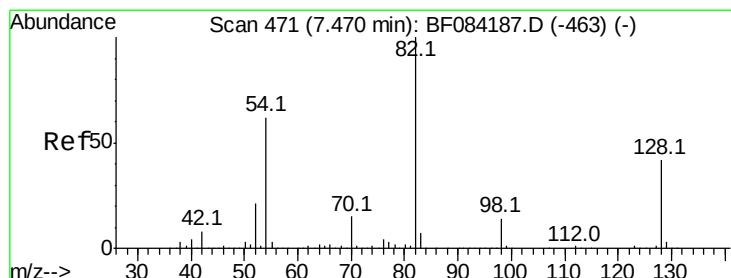
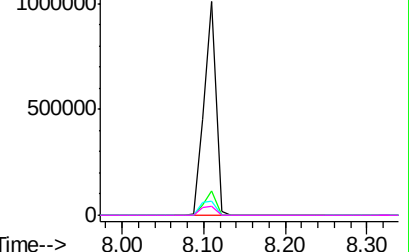
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 87.18 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF084516.D

Acq: 16 Jan 2016 3:29

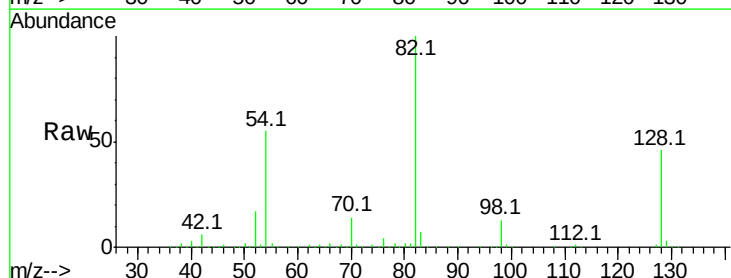
Tgt Ion: 82 Resp: 1600206

Ion Ratio Lower Upper

82 100

128 46.1 34.6 51.8

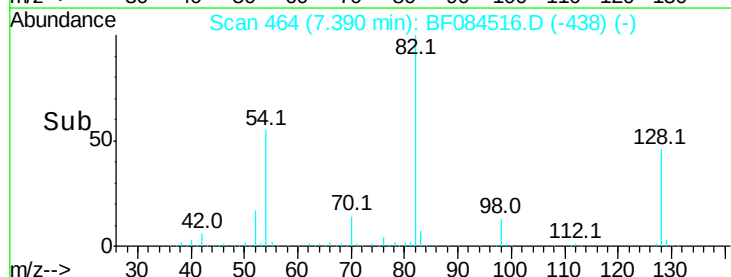
54 54.7 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

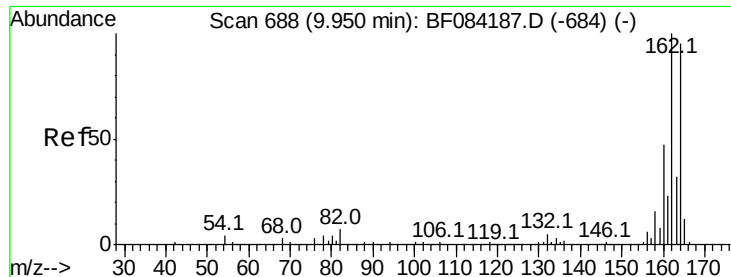
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

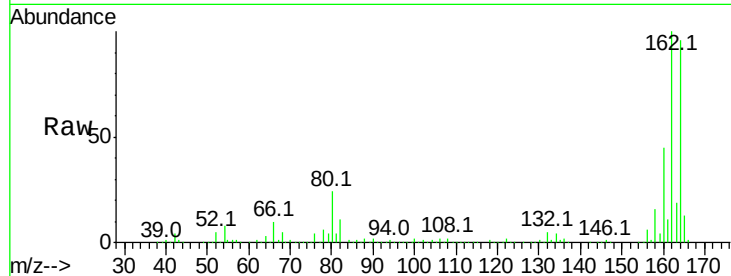




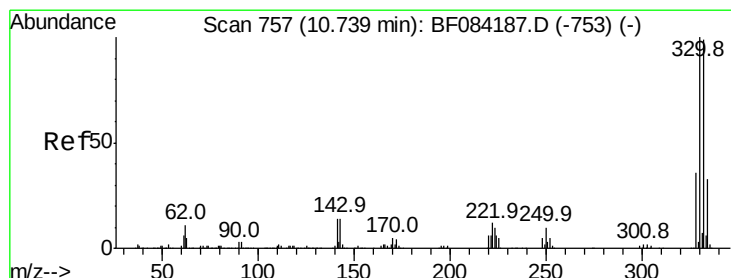
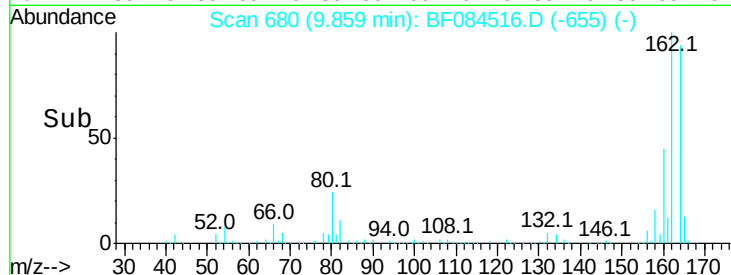
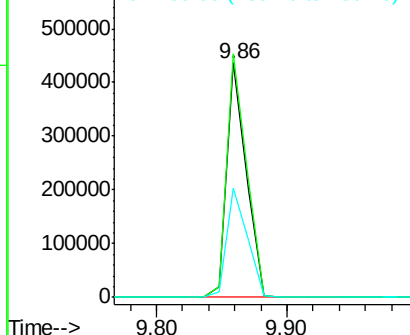
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: BF084516.D
 Acq: 16 Jan 2016 3:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 452062
 Ion Ratio Lower Upper
 164 100
 162 103.9 85.1 127.7
 160 46.6 37.5 56.3

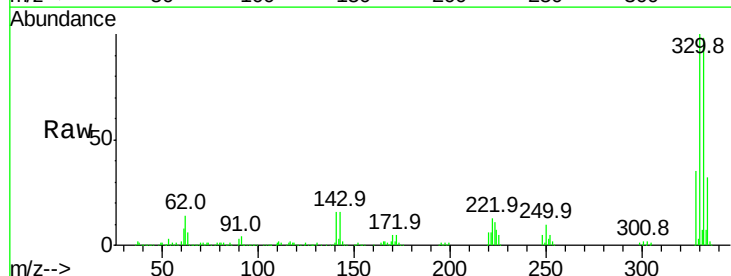


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

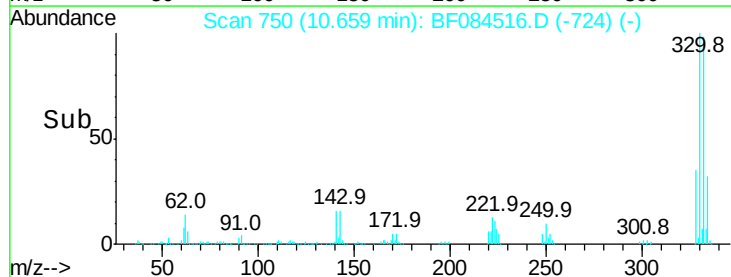
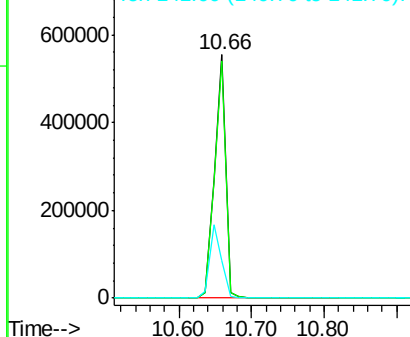


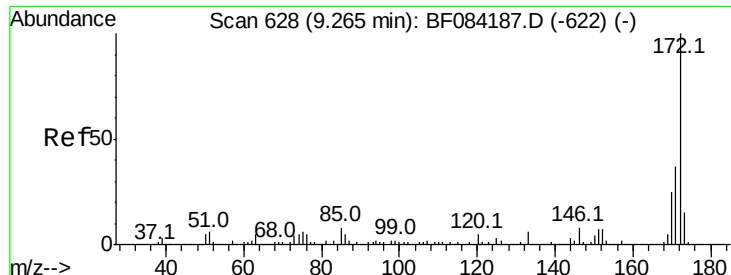
#41
 2,4,6-Tribromophenol
 Concen: 129.94 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF084516.D
 Acq: 16 Jan 2016 3:29

Tgt Ion:330 Resp: 593048
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 114.8
 141 32.0 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



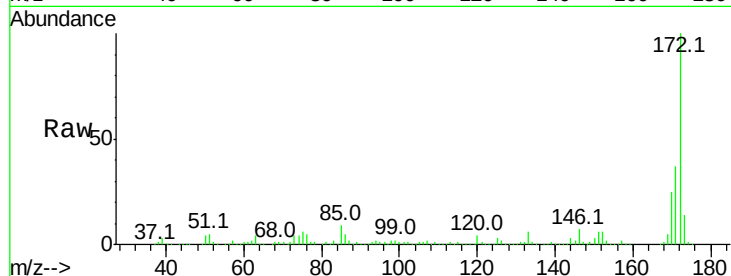


#44
 2-Fluorobiphenyl
 Concen: 84.89 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF084516.D
 Acq: 16 Jan 2016 3:29

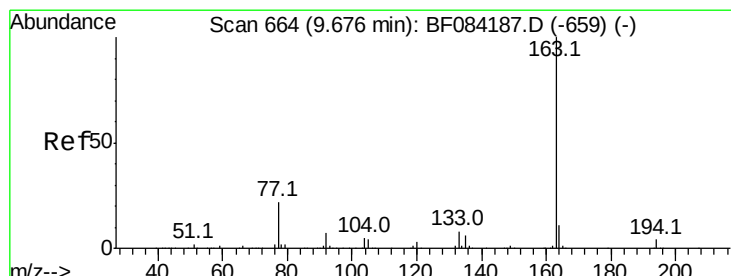
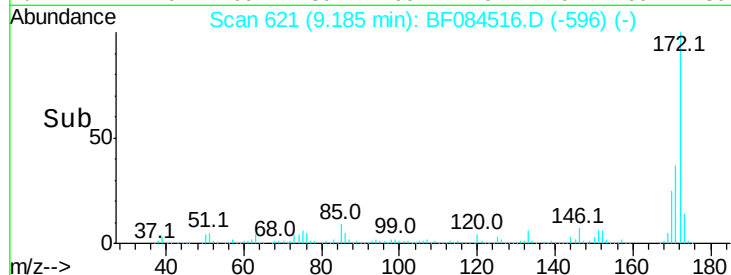
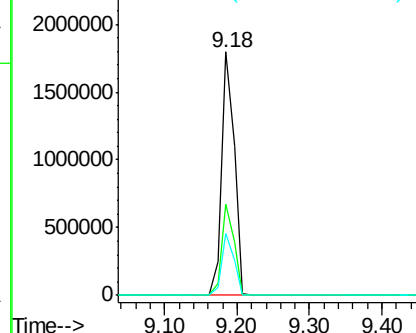
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 2181704

Ion	Ratio	Lower	Upper
172	100		
171	37.5	28.9	43.3
170	25.2	18.6	27.8



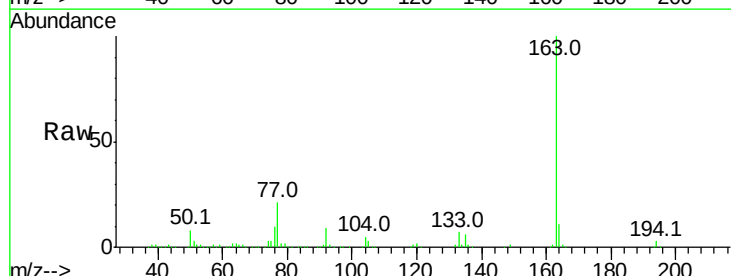
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



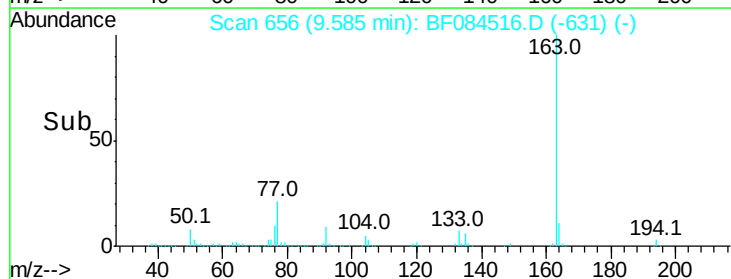
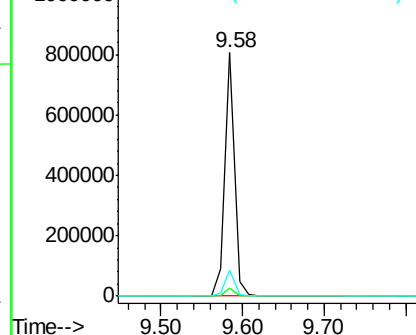
#49
 Dimethylphthalate
 Concen: 20.30 ng
 RT: 9.58 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: BF084516.D
 Acq: 16 Jan 2016 3:29

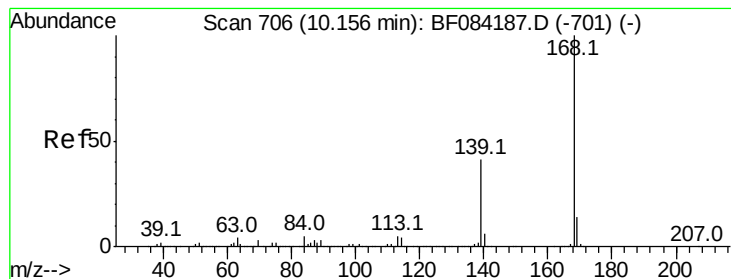
Tgt Ion:163 Resp: 656198

Ion	Ratio	Lower	Upper
163	100		
194	3.4	8.0	12.0#
164	10.5	8.0	12.0



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





#54

Dibenzofuran

Concen: Below Cal

RT: 10.06 min Scan# 698

Delta R.T. -0.01 min

Lab File: BF084516.D

Acq: 16 Jan 2016 3:29

Instrument :

BNA_F

ClientSampleId :

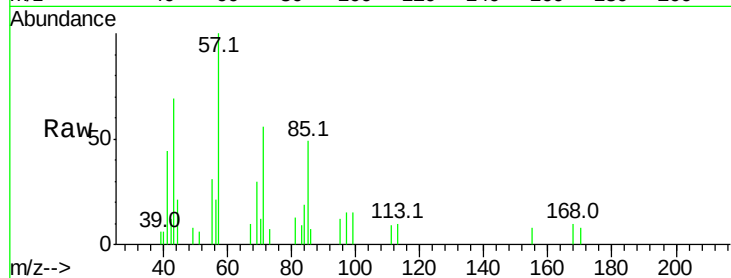
Tot Ion:168 Resp: 381

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

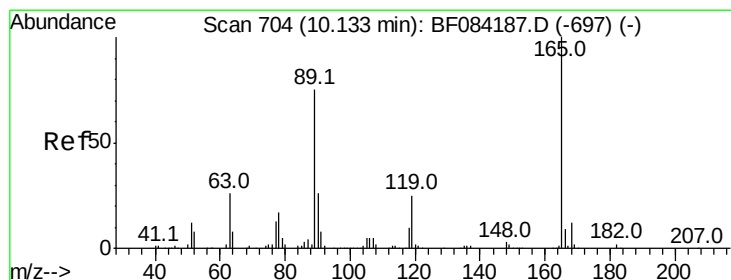
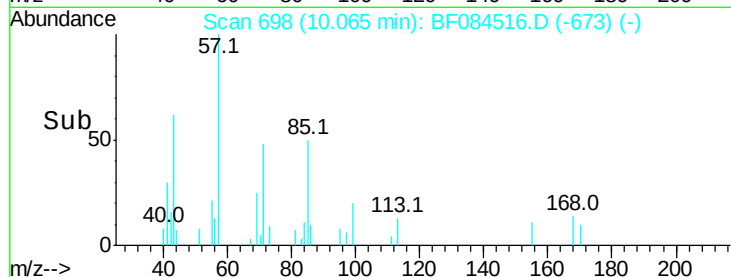
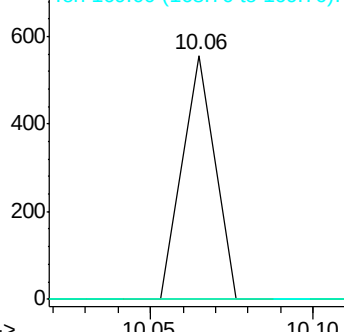
169 0.0 10.4 15.6#



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: 6.59 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.21 min

Lab File: BF084516.D

Acq: 16 Jan 2016 3:29

Tgt Ion:165 Resp: 59124

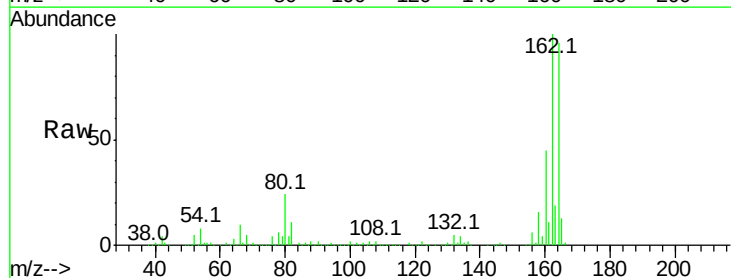
Ion Ratio Lower Upper

165 100

63 1.5 36.7 55.1#

89 1.2 61.9 92.9#

182 0.0 2.0 3.0#

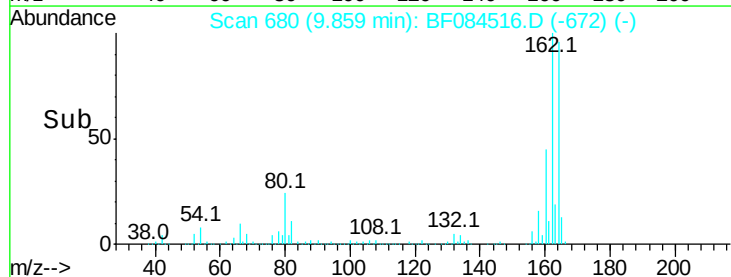
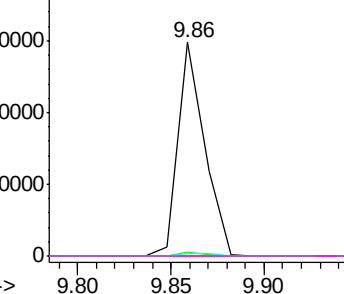


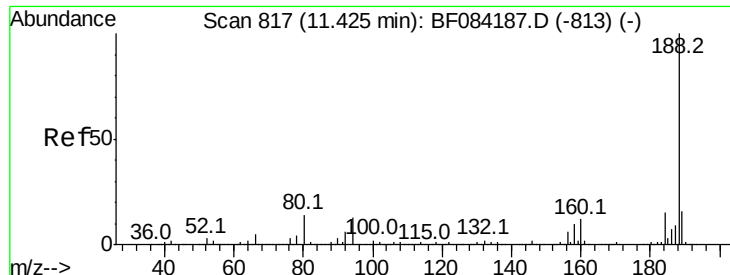
Abundance Ion 165.00 (164.70 to 165.70): E

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

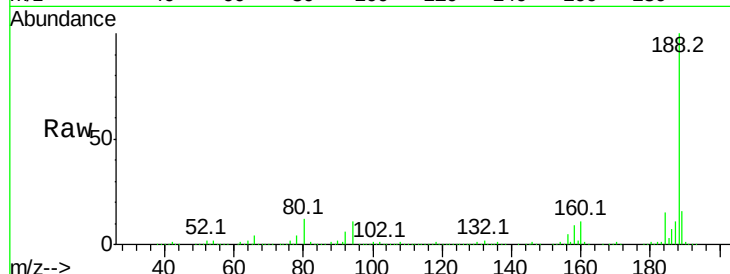




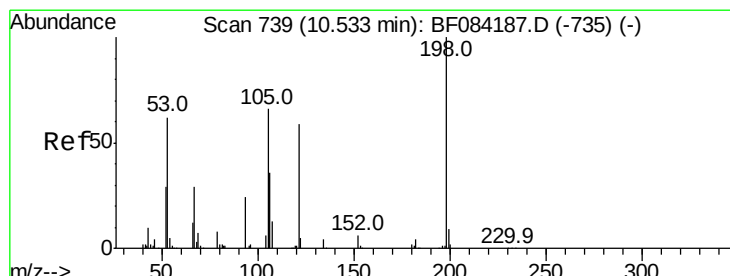
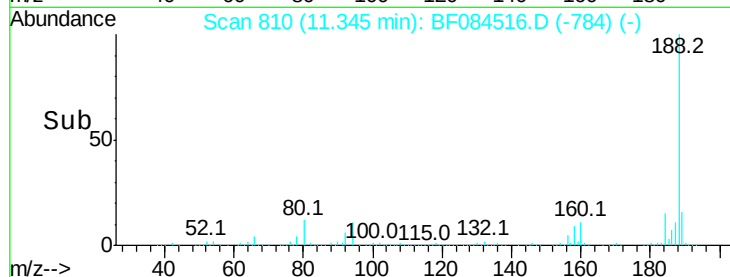
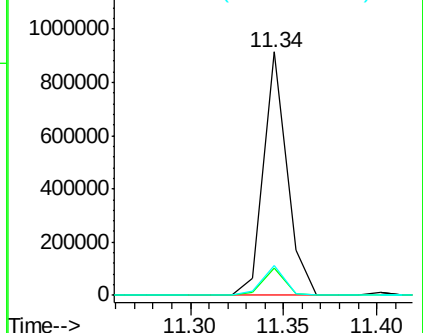
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF084516.D
 Acq: 16 Jan 2016 3:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 791644
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.0 13.4
 80 12.1 9.6 14.4

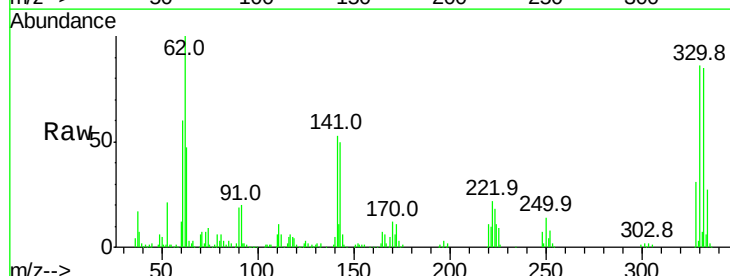


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

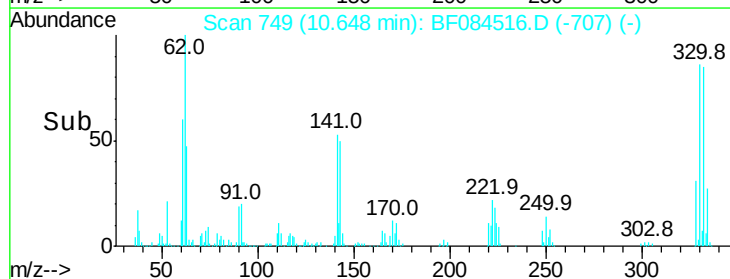
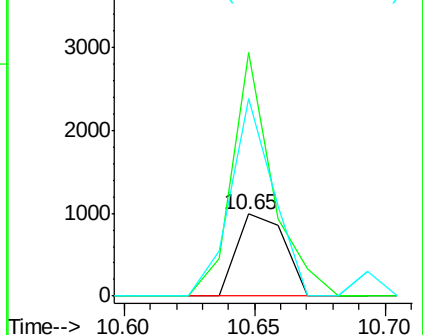


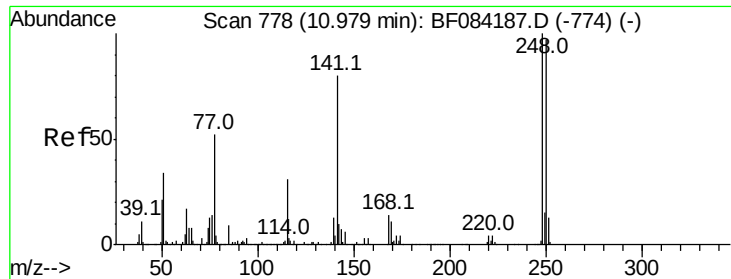
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.62 ng
 RT: 10.65 min Scan# 749
 Delta R.T. 0.18 min
 Lab File: BF084516.D
 Acq: 16 Jan 2016 3:29

Tgt Ion:198 Resp: 1265
 Ion Ratio Lower Upper
 198 100
 51 296.7 18.9 58.9#
 105 240.3 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

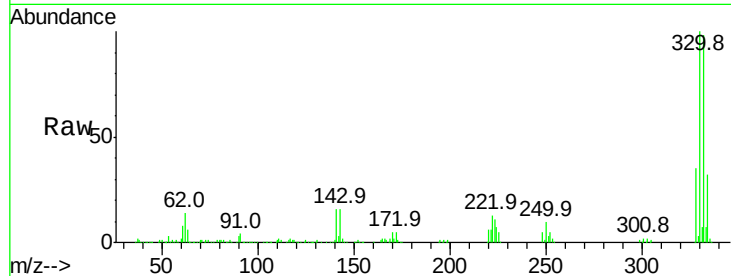




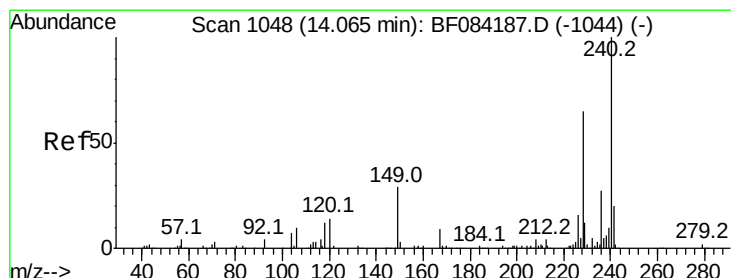
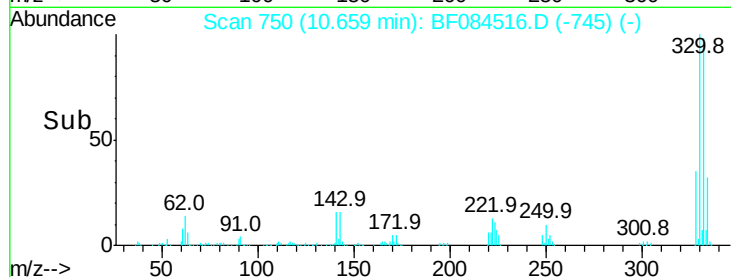
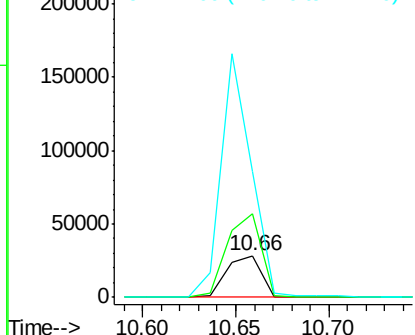
#66
4-Bromophenyl-phenylether
Concen: 4.36 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.24 min
Lab File: BF084516.D
Acq: 16 Jan 2016 3:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 37184
Ion Ratio Lower Upper
248 100
250 201.0 78.4 117.6#
141 303.2 44.0 66.0#

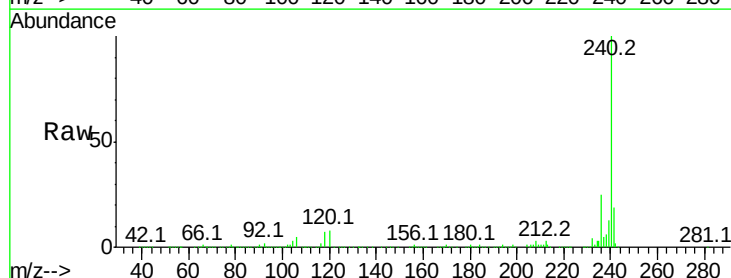


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

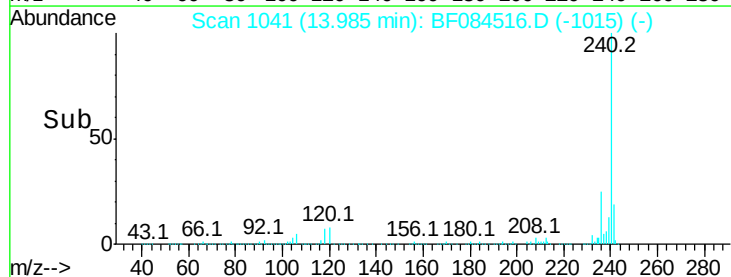
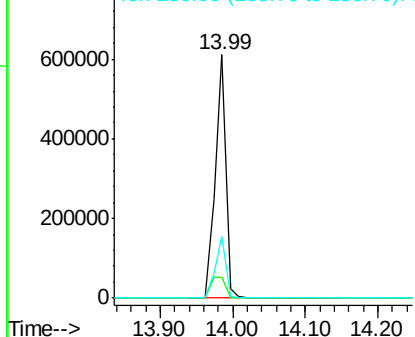


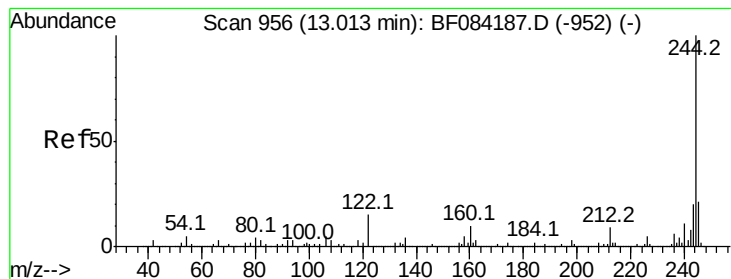
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF084516.D
Acq: 16 Jan 2016 3:29

Tgt Ion:240 Resp: 616018
Ion Ratio Lower Upper
240 100
120 8.4 9.5 14.3#
236 25.4 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: 64.36 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084516.D

Acq: 16 Jan 2016 3:29

Instrument :

BNA_F

ClientSampled :

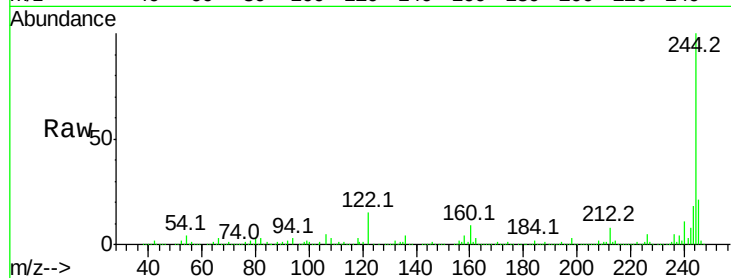
Tot Ion:244 Resp: 1776069

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

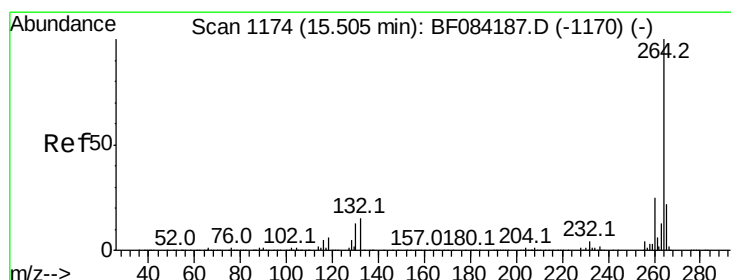
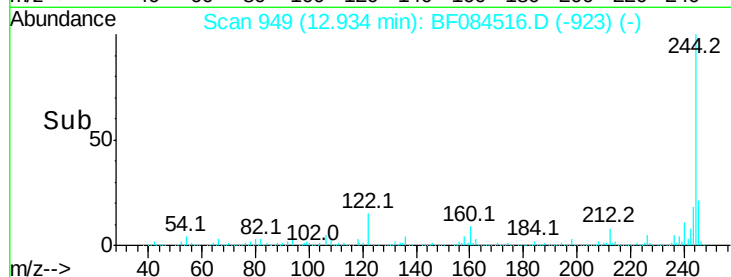
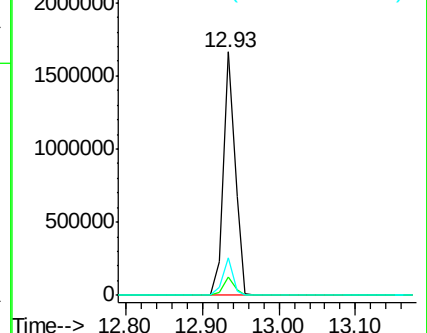
122 15.4 7.4 11.0#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.40 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BF084516.D

Acq: 16 Jan 2016 3:29

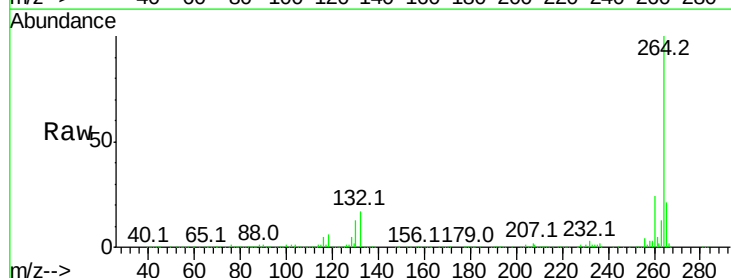
Tgt Ion:264 Resp: 538483

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

265 21.4 17.8 26.6



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

