

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012916\
 Data File : BF084635.D
 Acq On : 29 Jan 2016 14:50
 Operator : SJ/IZ
 Sample : PB88072BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB88072BL

Quant Time: Jan 29 23:05:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

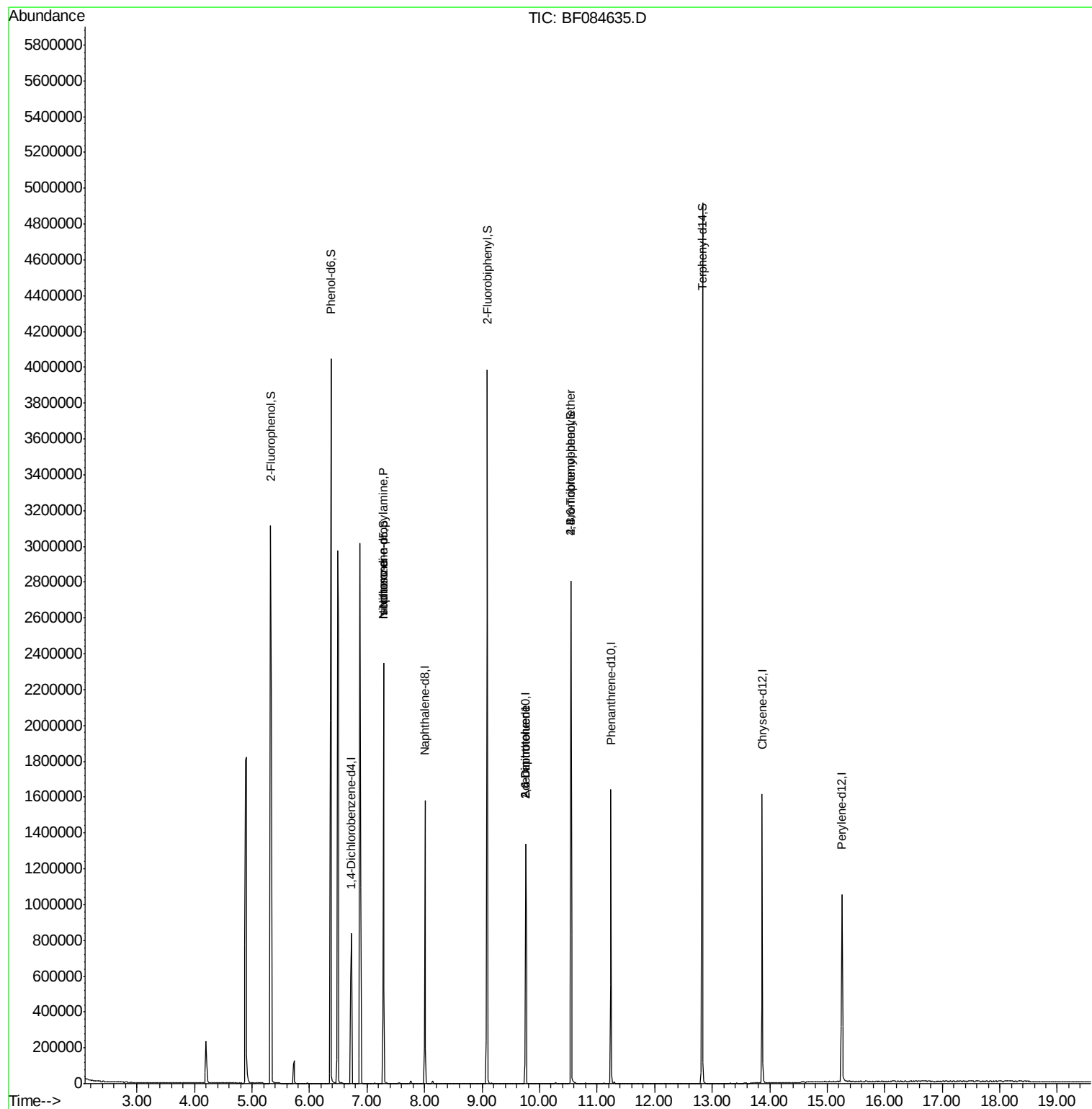
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	159959	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	662115	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	301687	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	622845	20.00	ng	0.00
75) Chrysene-d12	13.87	240	562544	20.00	ng	0.00
86) Perylene-d12	15.25	264	454584	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1105796	104.35	ng	0.01
7) Phenol-d6	6.37	99	1464012	115.27	ng	0.00
23) Nitrobenzene-d5	7.29	82	741724	62.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	349628	110.57	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1592052	78.44	ng	0.00
78) Terphenyl-d14	12.83	244	1592434	63.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	102740	13.24	ng	# 72
25) Isophorone	7.29	82	657849	29.64	ng	# 66
50) 2,6-Dinitrotoluene	9.76	165	38449	7.72	ng	# 38
56) 2,4-Dinitrotoluene	9.76	165	38449	5.94	ng	# 22
66) 4-Bromophenyl-phenylether	10.54	248	20273	2.89	ng	# 1

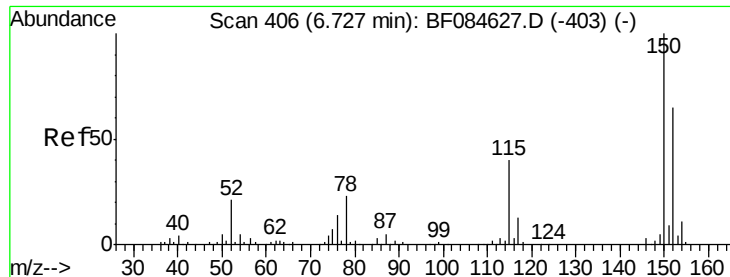
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF084635.D

Acq: 29 Jan 2016 14:50

Instrument :

BNA_F

ClientSampleId :

PB88072BL

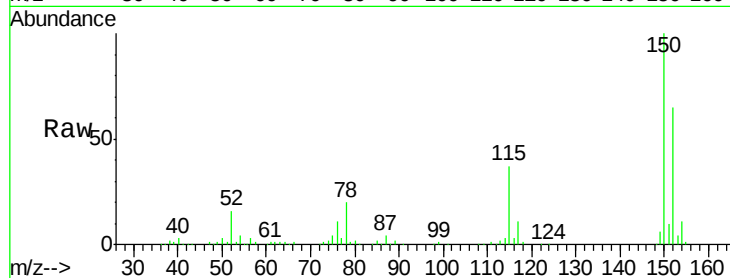
Tgt Ion:152 Resp: 159959

Ion Ratio Lower Upper

152 100

150 155.0 123.0 184.4

115 56.9 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

300000

250000

200000

150000

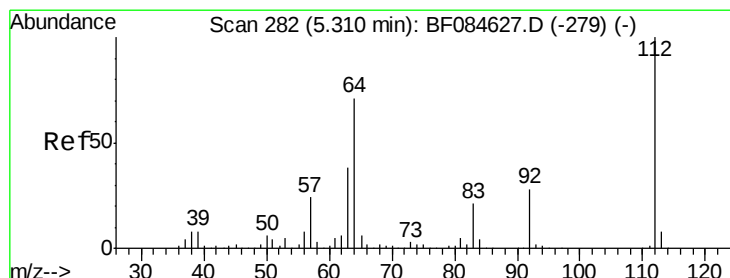
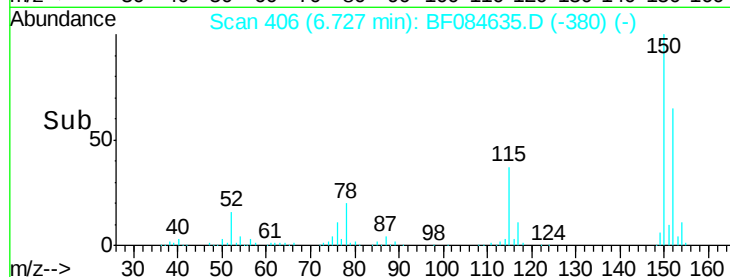
100000

50000

0

6.70 6.73 6.75

Time-->



#5

2-Fluorophenol

Concen: 104.35 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF084635.D

Acq: 29 Jan 2016 14:50

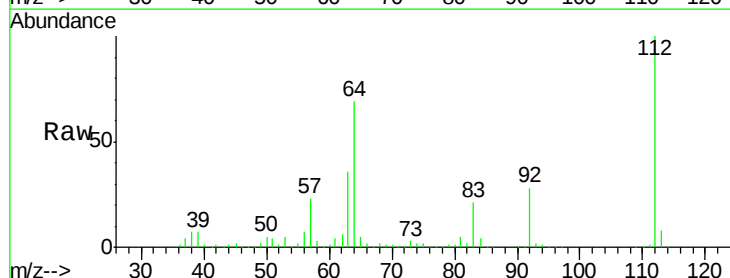
Tgt Ion:112 Resp: 1105796

Ion Ratio Lower Upper

112 100

64 68.6 36.6 55.0#

63 36.3 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

1000000

800000

600000

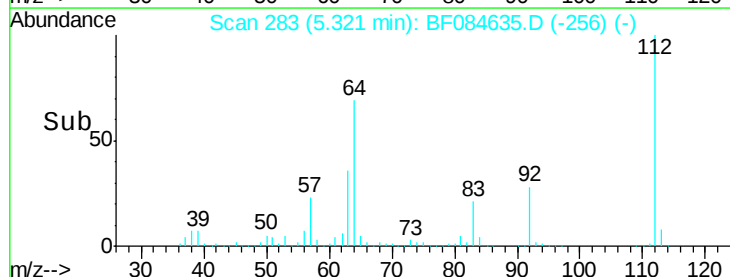
400000

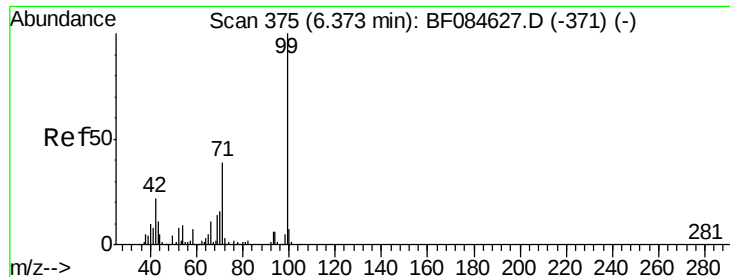
200000

0

5.30 5.32 5.40 5.50

Time-->





#7

Phenol-d6

Concen: 115.27 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084635.D

Acq: 29 Jan 2016 14:50

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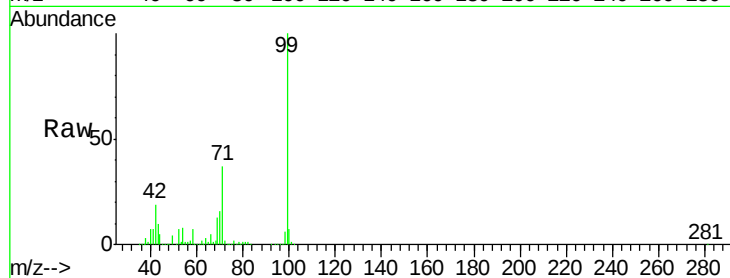
Tgt Ion: 99 Resp: 1464012

Ion Ratio Lower Upper

99 100

42 19.0 12.8 19.2

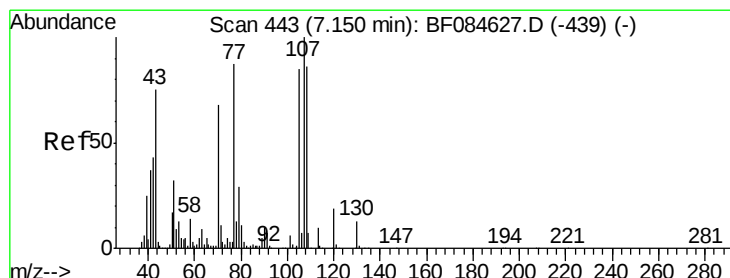
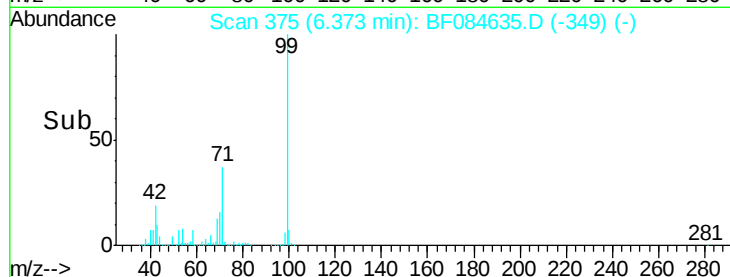
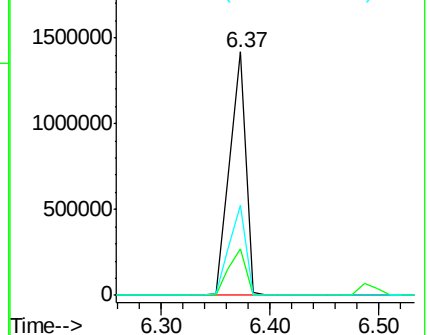
71 36.9 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.24 ng

RT: 7.29 min Scan# 455

Delta R.T. 0.14 min

Lab File: BF084635.D

Acq: 29 Jan 2016 14:50

Tgt Ion: 70 Resp: 102740

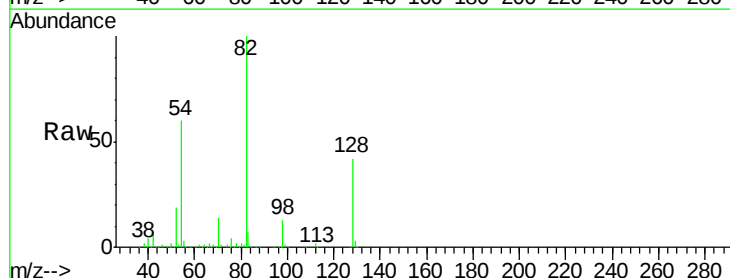
Ion Ratio Lower Upper

70 100

42 49.2 33.3 49.9

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#

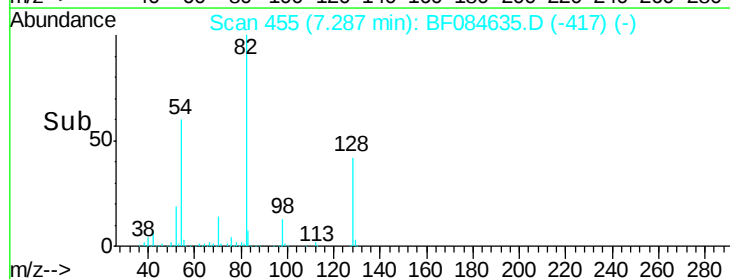
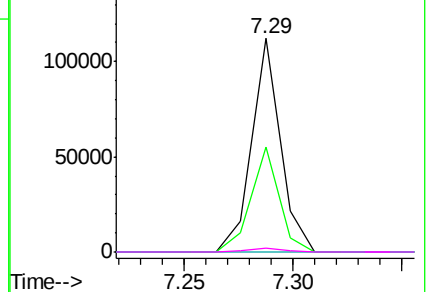


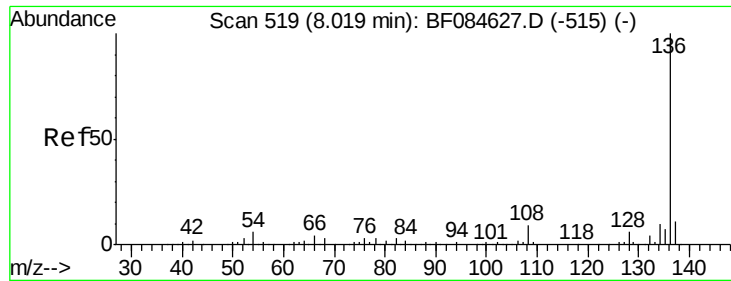
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

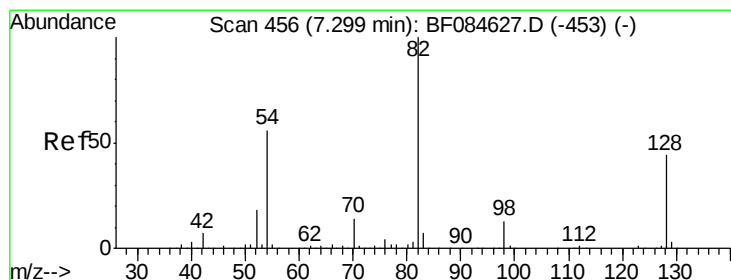
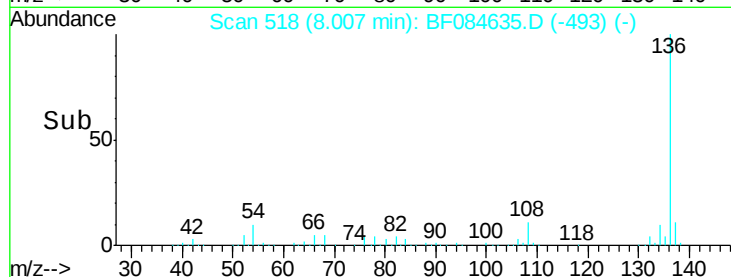
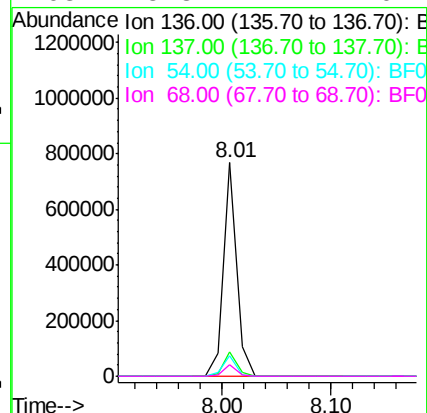
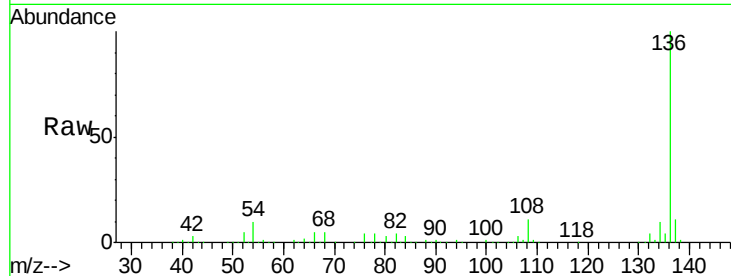




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF084635.D
Acq: 29 Jan 2016 14:50

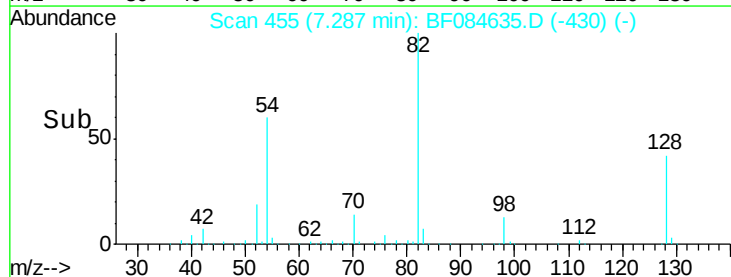
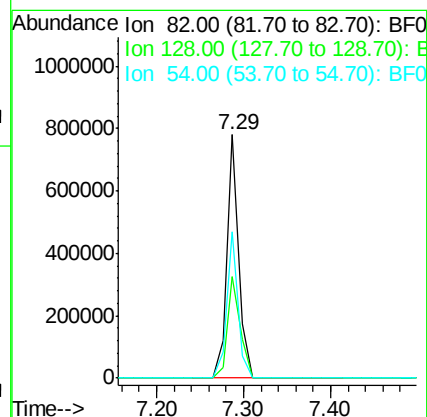
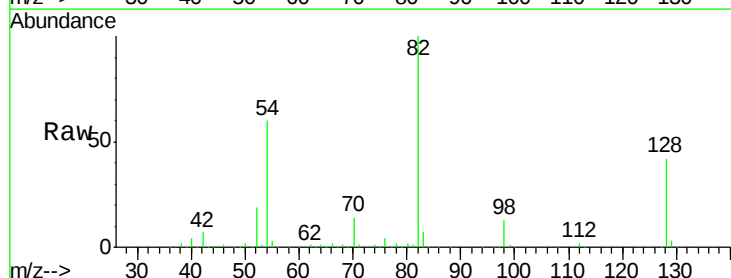
Instrument :
BNA_F
ClientSampleId :
PB88072BL

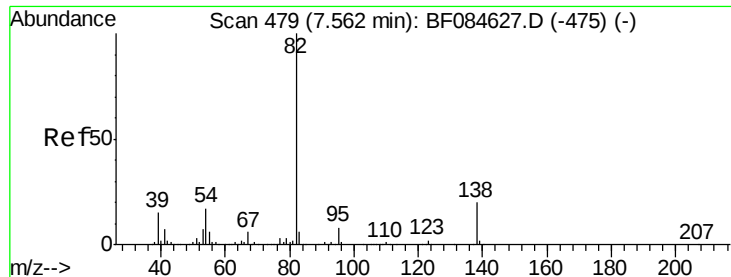
Tgt Ion:	136	Resp:	662115
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	9.5	5.8	8.8#
68	5.3	4.2	6.2



#23
Nitrobenzene-d5
Concen: 62.61 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF084635.D
Acq: 29 Jan 2016 14:50

Tgt Ion:	82	Resp:	741724
Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.6	51.8
54	60.1	38.4	57.6#





#25

Isophorone

Concen: 29.64 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.27 min

Lab File: BF084635.D

Acq: 29 Jan 2016 14:50

Instrument :

BNA_F

ClientSampleId :

PB88072BL

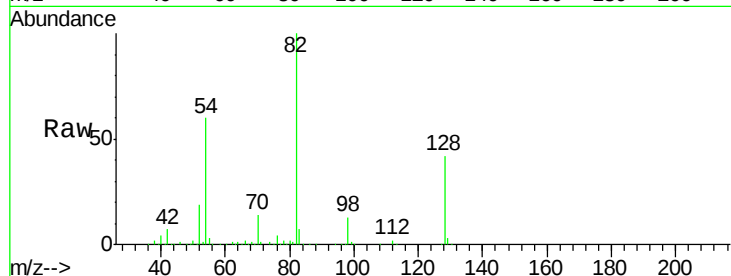
Tgt Ion: 82 Resp: 657849

Ion Ratio Lower Upper

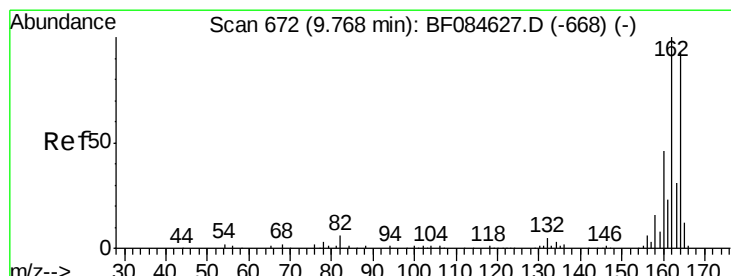
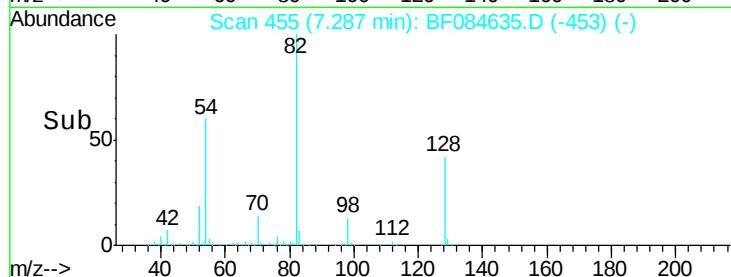
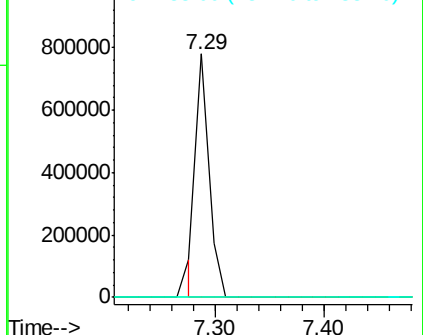
82 100

95 0.0 6.6 10.0#

138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF084635.D

Acq: 29 Jan 2016 14:50

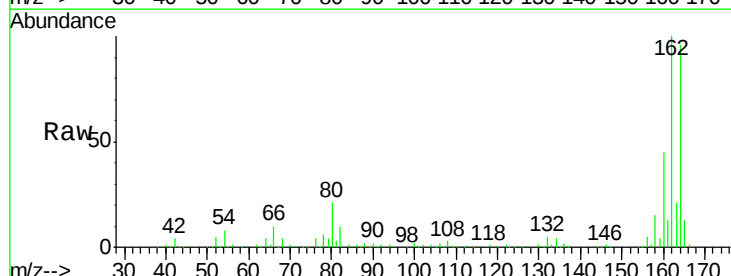
Tgt Ion: 164 Resp: 301687

Ion Ratio Lower Upper

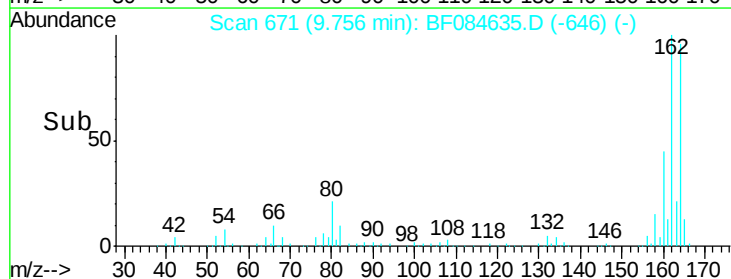
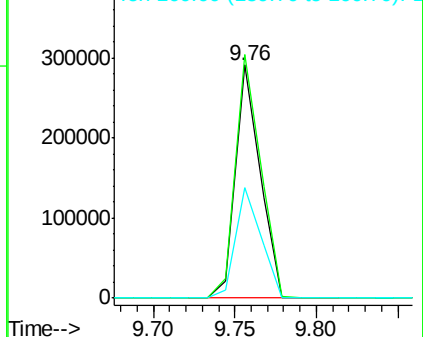
164 100

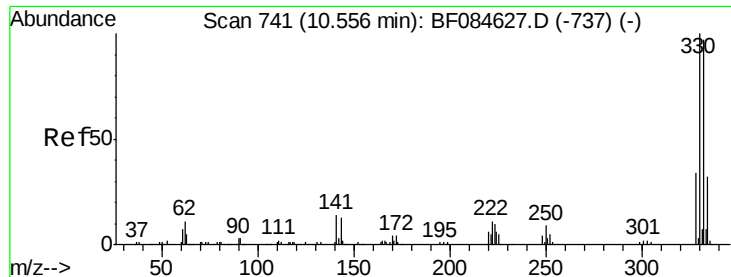
162 104.5 85.1 127.7

160 47.5 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

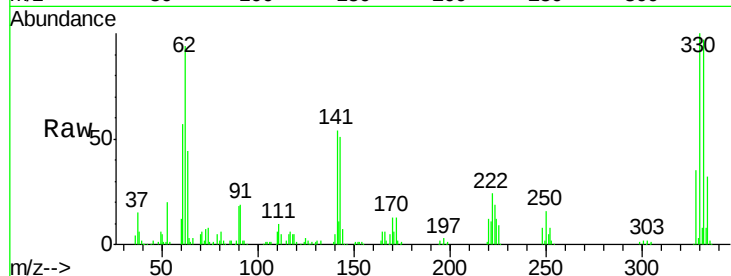




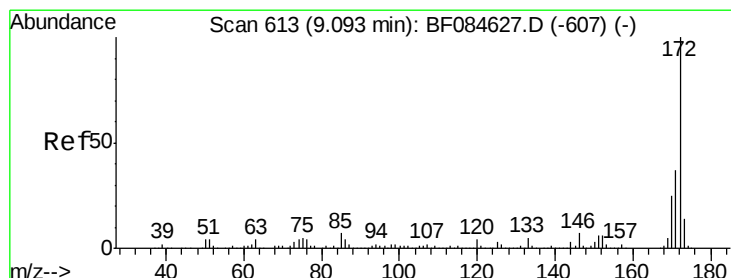
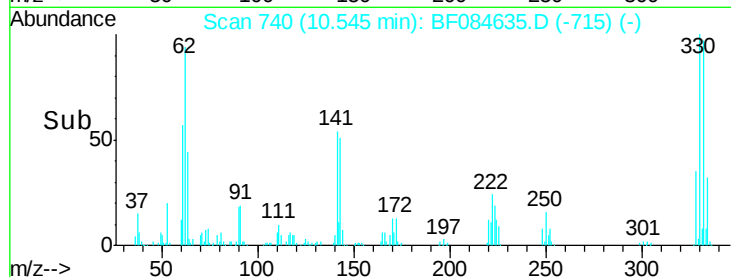
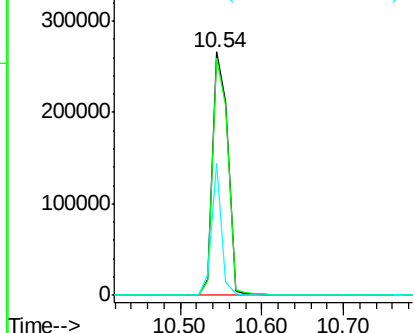
#41
 2,4,6-Tribromophenol
 Concen: 110.57 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084635.D
 Acq: 29 Jan 2016 14:50

Instrument :
 BNA_F
 ClientSampleId :
 PB88072BL

Tgt Ion:330 Resp: 349628
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 114.8
 141 36.1 27.8 41.6

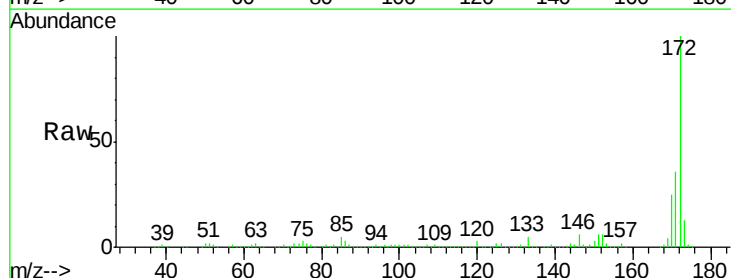


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

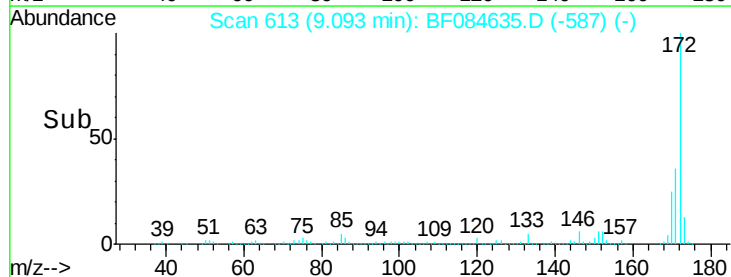
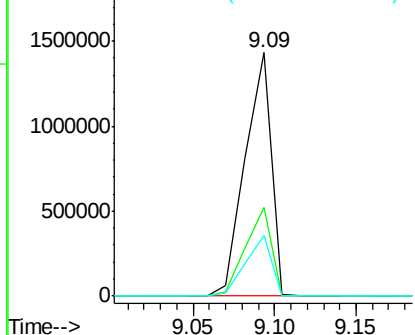


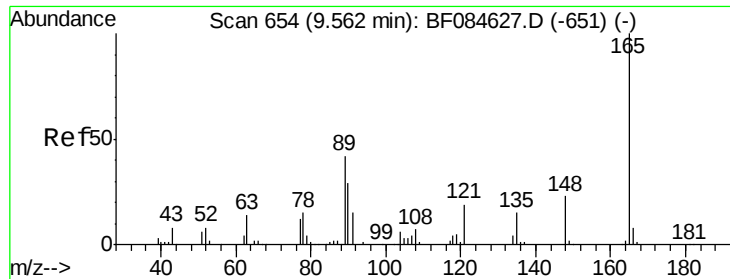
#44
 2-Fluorobiphenyl
 Concen: 78.44 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084635.D
 Acq: 29 Jan 2016 14:50

Tgt Ion:172 Resp: 1592052
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.9 43.3
 170 24.7 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

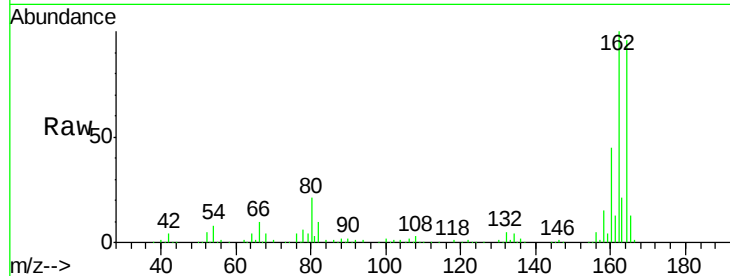




#50
 2,6-Dinitrotoluene
 Concen: 7.72 ng
 RT: 9.76 min Scan# 671
 Delta R.T. 0.19 min
 Lab File: BF084635.D
 Acq: 29 Jan 2016 14:50

Instrument :
 BNA_F
 ClientSampleId :
 PB88072BL

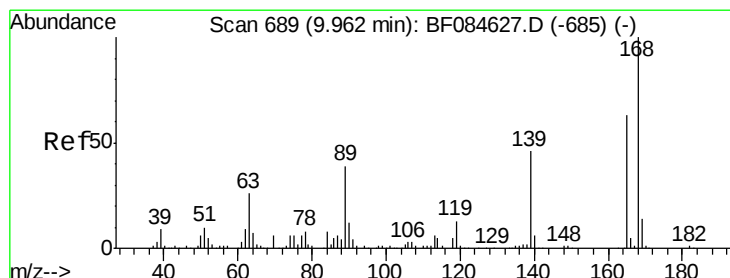
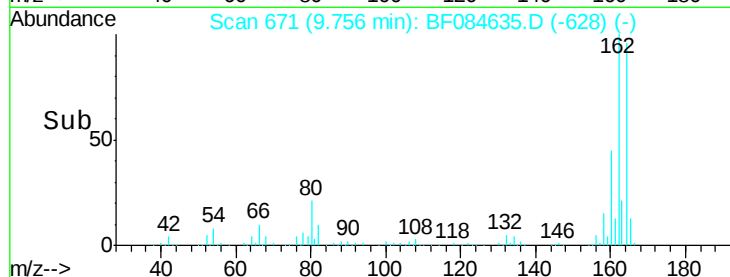
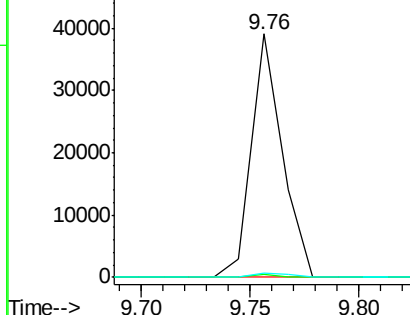
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	28.8	43.2#
89	1.8	35.1	52.7#



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



#56
 2,4-Dinitrotoluene
 Concen: 5.94 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.21 min
 Lab File: BF084635.D
 Acq: 29 Jan 2016 14:50

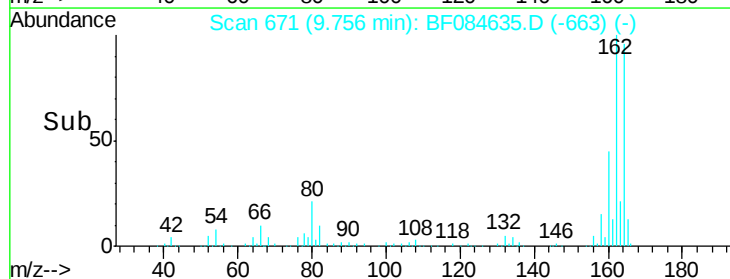
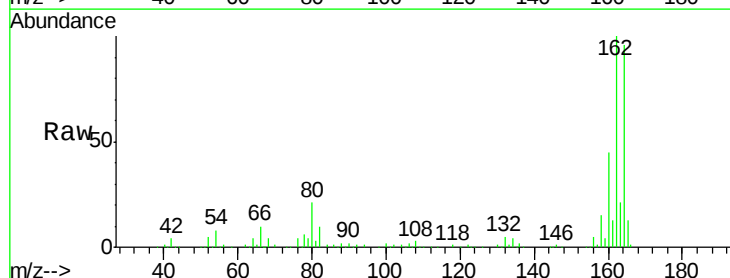
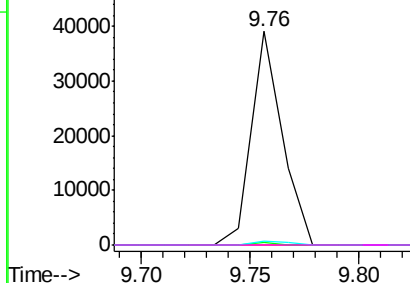
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.7	55.1#
89	1.8	61.9	92.9#
182	0.0	2.0	3.0#

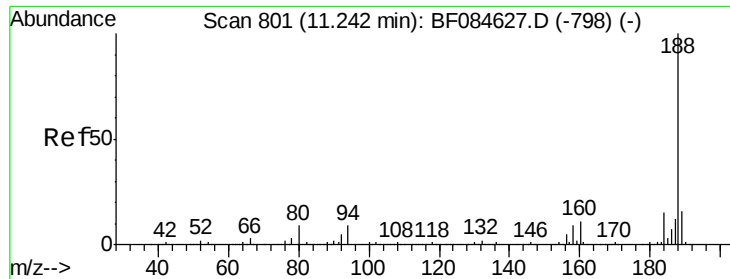
Abundance Ion 165.00 (164.70 to 165.70): E

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

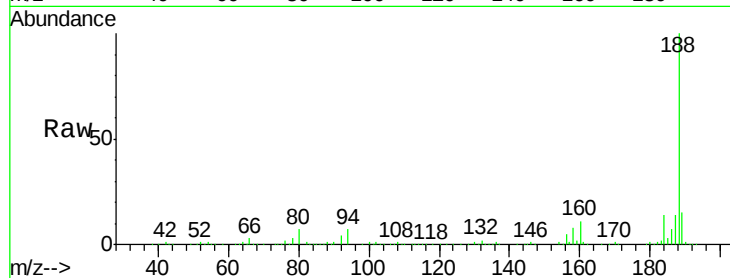




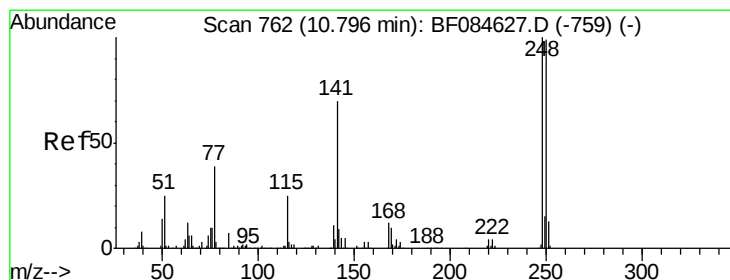
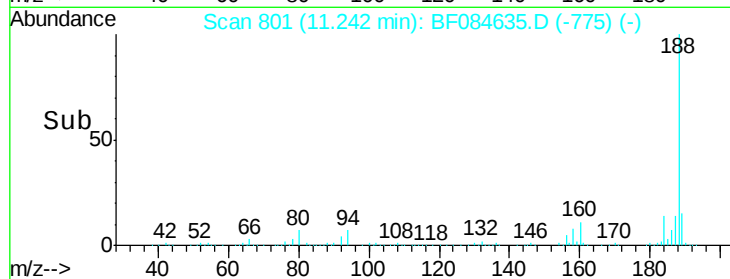
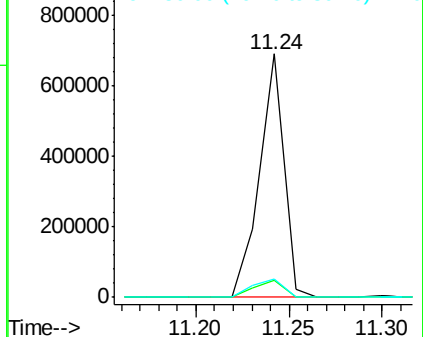
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF084635.D
Acq: 29 Jan 2016 14:50

Instrument :
BNA_F
ClientSampleId :
PB88072BL

Tgt Ion:188 Resp: 622845
Ion Ratio Lower Upper
188 100
94 7.1 9.0 13.4#
80 7.5 9.6 14.4#

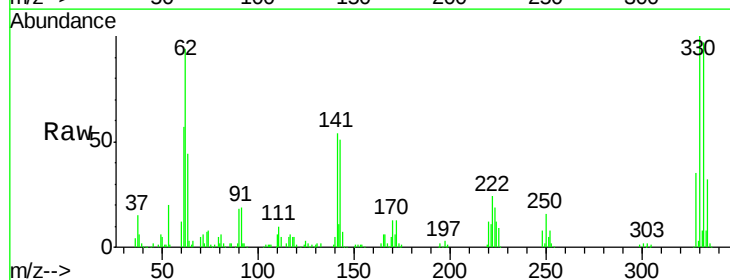


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

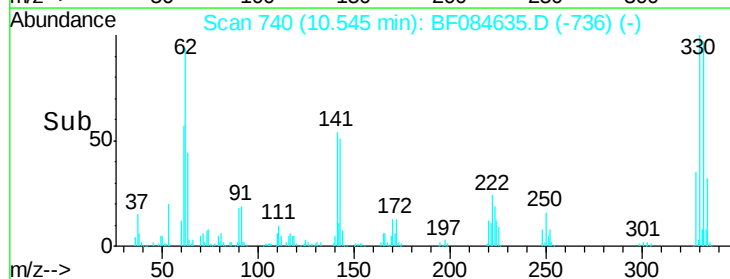
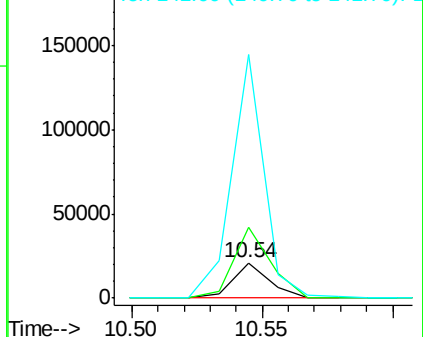


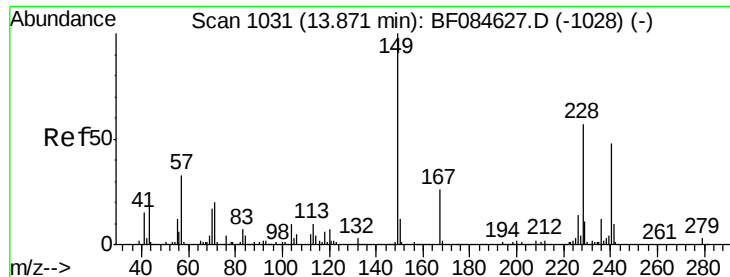
#66
4-Bromophenyl-phenylether
Concen: 2.89 ng
RT: 10.54 min Scan# 740
Delta R.T. -0.25 min
Lab File: BF084635.D
Acq: 29 Jan 2016 14:50

Tgt Ion:248 Resp: 20273
Ion Ratio Lower Upper
248 100
250 202.3 78.4 117.6#
141 691.0 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: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084635.D

Acq: 29 Jan 2016 14:50

Instrument :

BNA_F

ClientSampleId :

PB88072BL

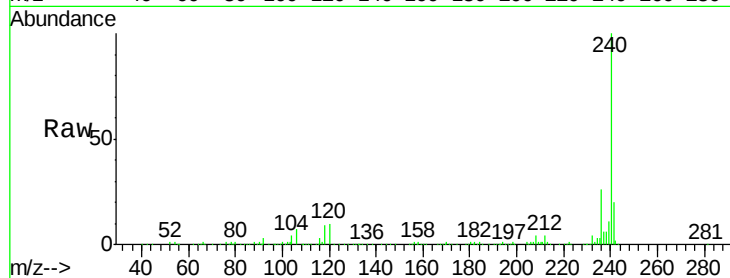
Tgt Ion:240 Resp: 562544

Ion Ratio Lower Upper

240 100

120 9.7 9.5 14.3

236 26.4 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

800000

600000

400000

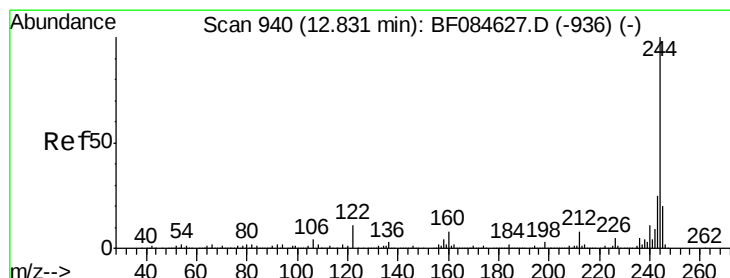
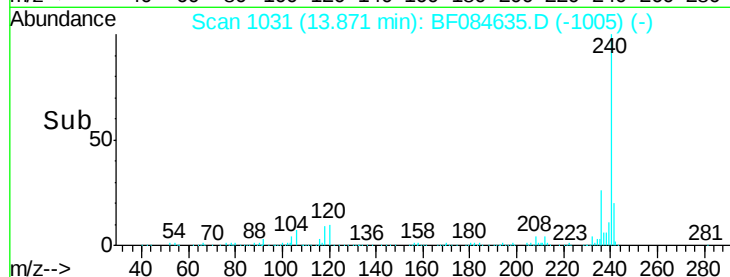
200000

0

13.87

13.80 13.90 14.00

Time-->



#78

Terphenyl-d14

Concen: 63.93 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF084635.D

Acq: 29 Jan 2016 14:50

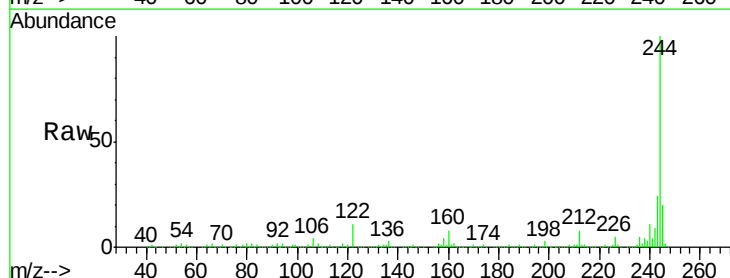
Tgt Ion:244 Resp: 1592434

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

122 10.6 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

2000000

1500000

1000000

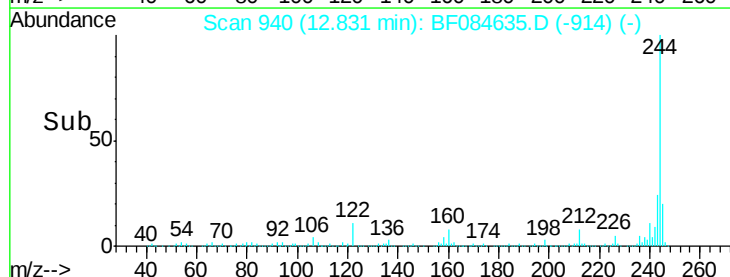
500000

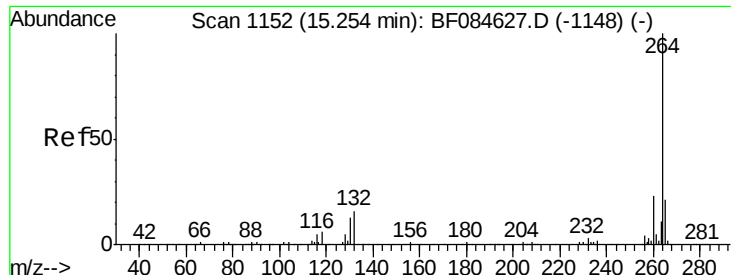
0

12.83

12.70 12.80 12.90 13.00

Time-->

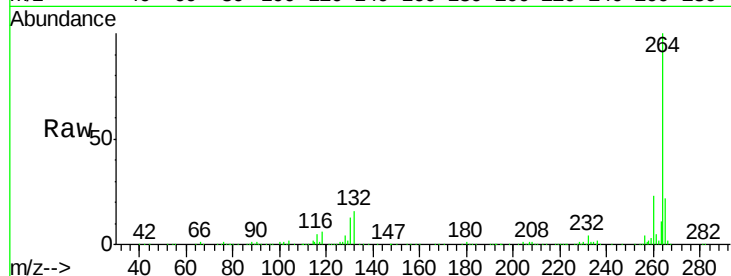




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.25 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BF084635.D
Acq: 29 Jan 2016 14:50

Instrument :
BNA_F
ClientSampleId :
PB88072BL

Tgt Ion: 264 Resp: 454584
Ion Ratio Lower Upper
264 100
260 23.3 19.4 29.2
265 21.6 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

