

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
 Data File : BF085266.D
 Acq On : 8 Mar 2016 20:13
 Operator : UM/SJ
 Sample : H1684-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW-48-S2 GRID 3

Quant Time: Mar 09 00:05:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	147744	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	555070	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	244908	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	468916	20.00	ng	-0.02
75) Chrysene-d12	14.12	240	326816	20.00	ng	-0.03
86) Perylene-d12	15.58	264	253399	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	1180512	134.03	ng	0.00
7) Phenol-d6	6.58	99	1221397	105.84	ng	-0.02
23) Nitrobenzene-d5	7.52	82	905521	87.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	321986	153.65	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	1643538	102.06	ng	-0.02
78) Terphenyl-d14	13.08	244	1552729	110.29	ng	-0.01

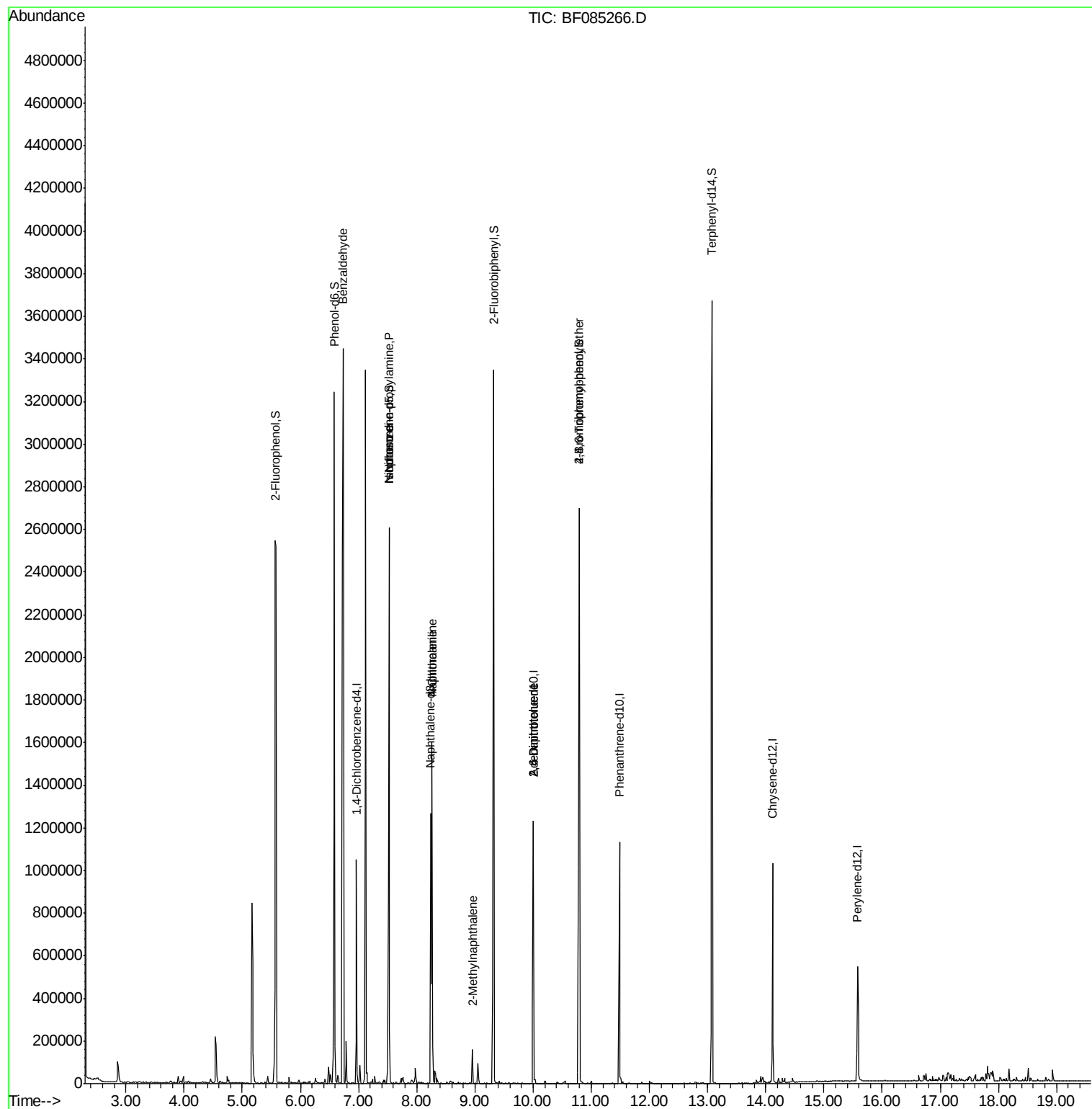
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.73	77	28064	2.32	ng	87
19) n-Nitroso-di-n-propylamine	7.52	70	121532	16.16	ng	# 79
25) Isophorone	7.52	82	685674	35.67	ng	# 67
31) Naphthalene	8.26	128	672096	24.62	ng	98
33) 4-Chloroaniline	8.26	127	87676	7.94	ng	# 31
37) 2-Methylnaphthalene	8.96	142	67318	3.84	ng	98
50) 2,6-Dinitrotoluene	10.00	165	31824	7.91	ng	# 26
56) 2,4-Dinitrotoluene	10.00	165	31825	6.18	ng	# 22
66) 4-Bromophenyl-phenylether	10.79	248	23861	5.24	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: 6.96 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF085266.D

Acq: 8 Mar 2016 20:13

Instrument :

BNA_F

ClientSampleId :

RW-48-S2 GRID 3

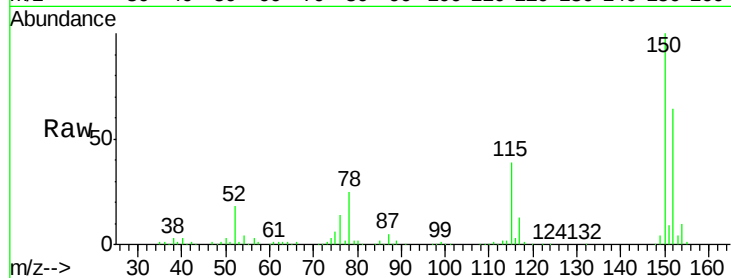
Tgt Ion:152 Resp: 147744

Ion Ratio Lower Upper

152 100

150 155.2 124.6 186.8

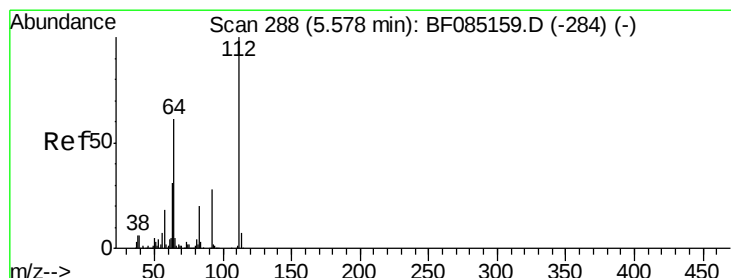
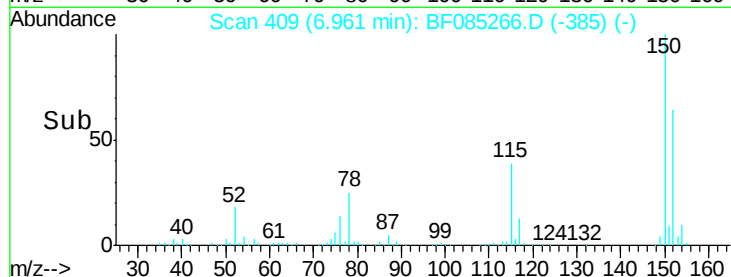
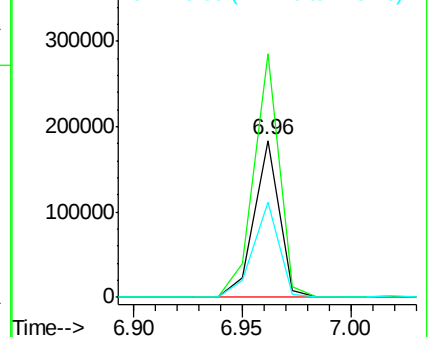
115 60.5 46.6 70.0



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: 134.03 ng

RT: 5.58 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF085266.D

Acq: 8 Mar 2016 20:13

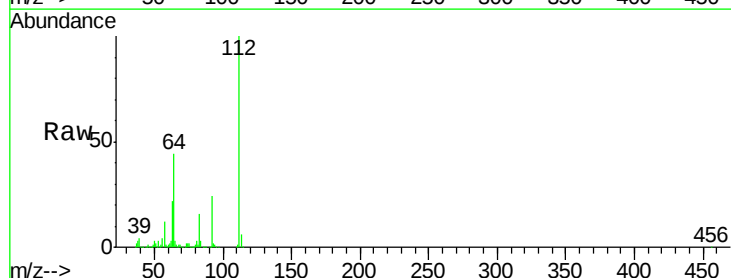
Tgt Ion:112 Resp: 1180512

Ion Ratio Lower Upper

112 100

64 44.0 49.0 73.4#

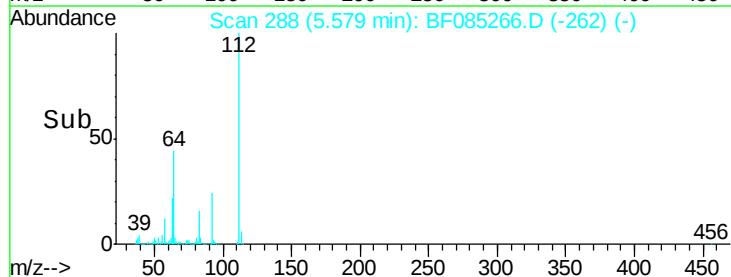
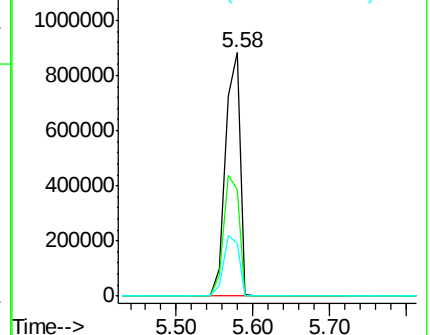
63 21.9 24.8 37.2#

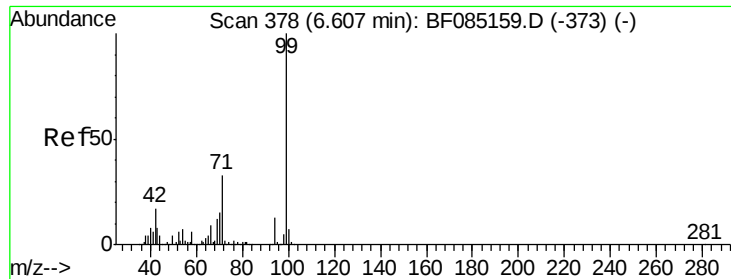


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.84 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085266.D

Acq: 8 Mar 2016 20:13

Instrument :

BNA_F

ClientSampleId :

RW-48-S2 GRID 3

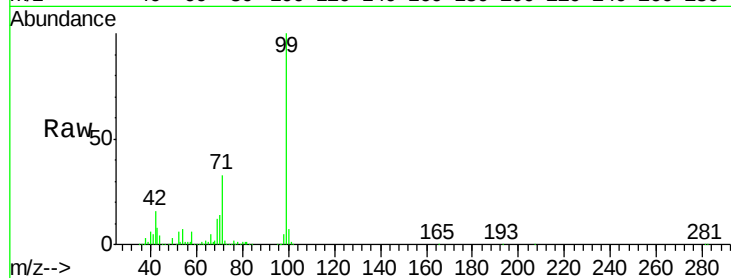
Tgt Ion: 99 Resp: 1221397

Ion Ratio Lower Upper

99 100

42 16.2 13.6 20.4

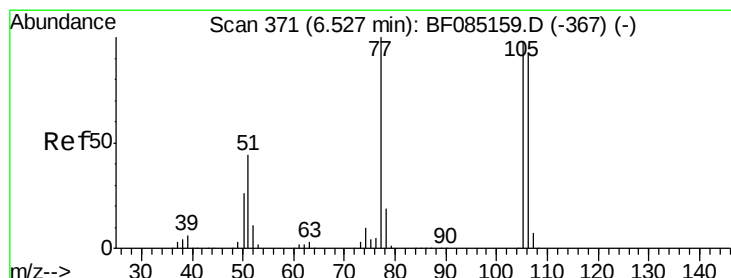
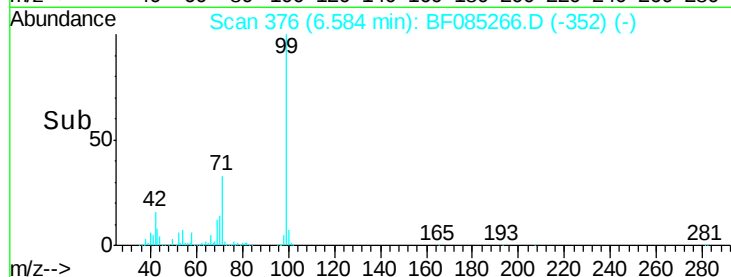
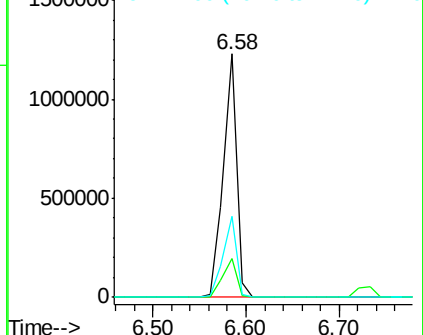
71 33.2 26.7 40.1



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



#9

Benzaldehyde

Concen: 2.32 ng

RT: 6.73 min Scan# 389

Delta R.T. 0.21 min

Lab File: BF085266.D

Acq: 8 Mar 2016 20:13

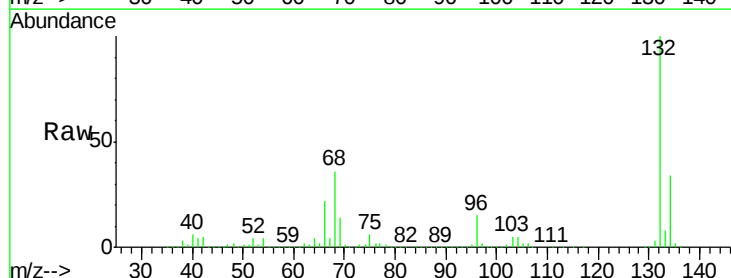
Tgt Ion: 77 Resp: 28064

Ion Ratio Lower Upper

77 100

105 84.9 78.2 118.2

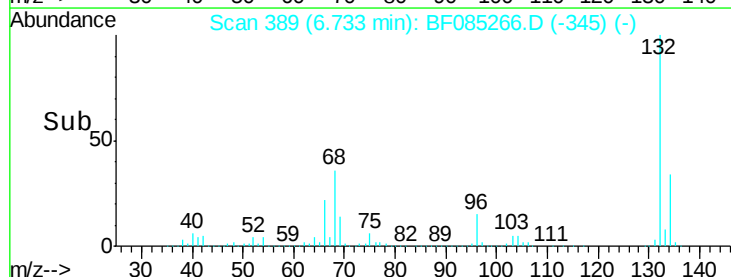
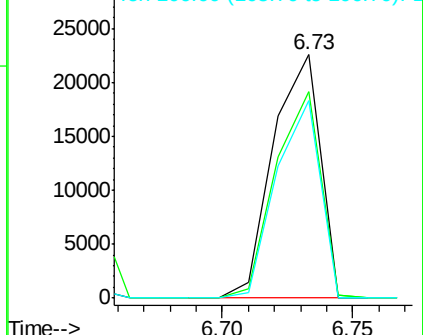
106 81.2 72.9 112.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

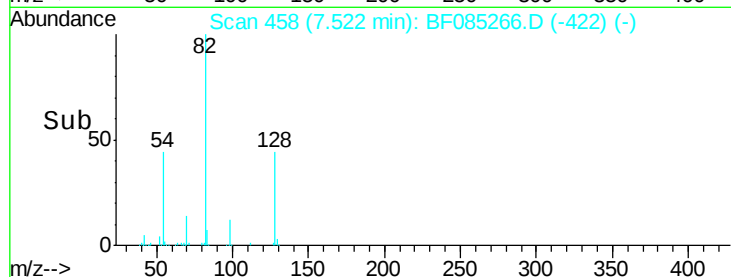
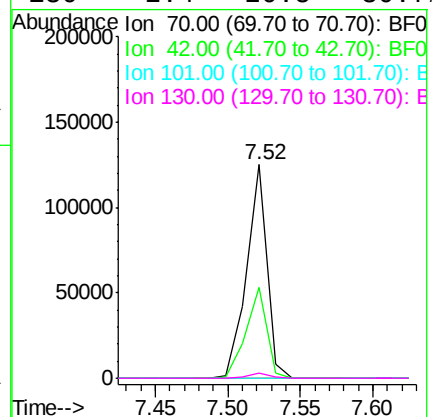
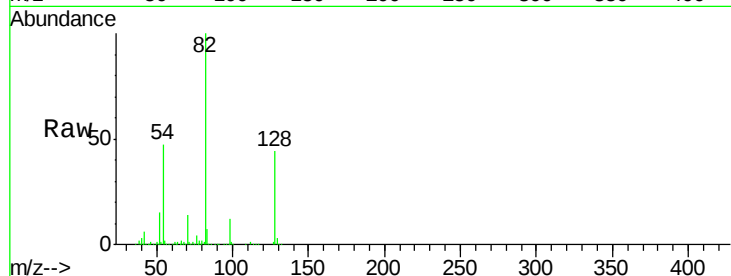




#19
n-Nitroso-di-n-propylamine
Concen: 16.16 ng
RT: 7.52 min Scan# 458
Delta R.T. 0.11 min
Lab File: BF085266.D
Acq: 8 Mar 2016 20:13

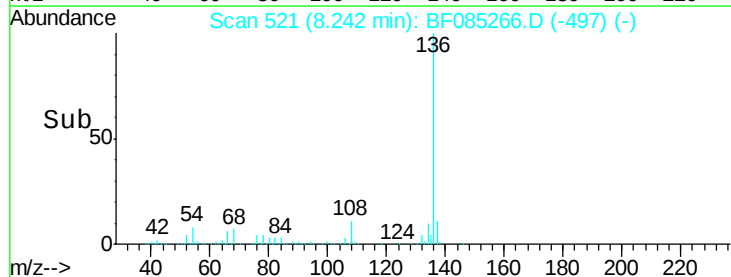
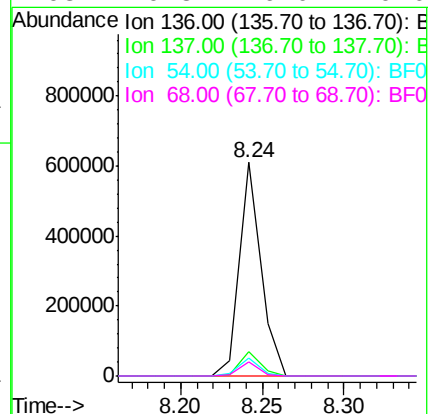
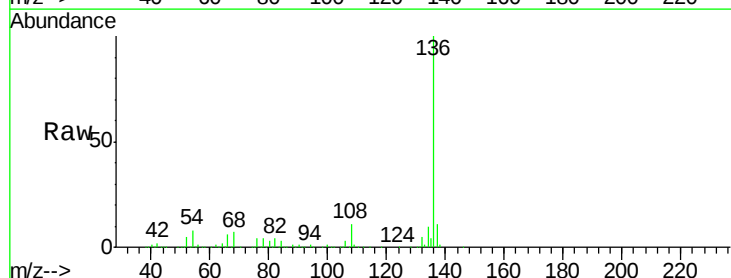
Instrument :
BNA_F
ClientSampleId :
RW-48-S2 GRID 3

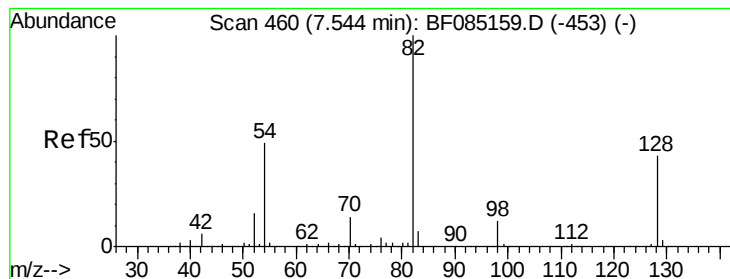
Tgt Ion: 70 Resp: 121532
Ion Ratio Lower Upper
70 100
42 42.6 37.7 56.5
101 0.0 8.2 12.4#
130 2.4 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF085266.D
Acq: 8 Mar 2016 20:13

Tgt Ion: 136 Resp: 555070
Ion Ratio Lower Upper
136 100
137 11.3 9.3 13.9
54 8.4 7.4 11.2
68 6.8 6.0 9.0





#23

Nitrobenzene-d5

Concen: 87.30 ng

RT: 7.52 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF085266.D

Acq: 8 Mar 2016 20:13

Instrument :

BNA_F

ClientSampleId :

RW-48-S2 GRID 3

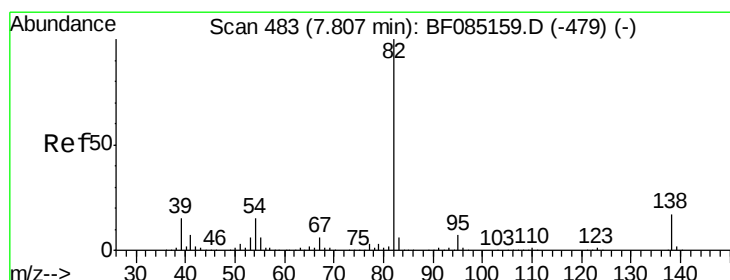
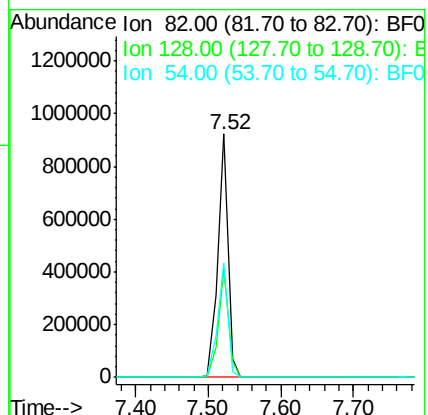
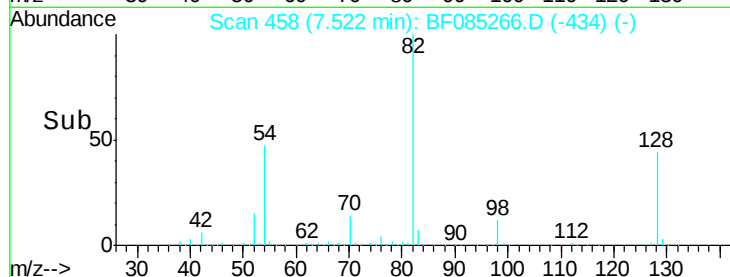
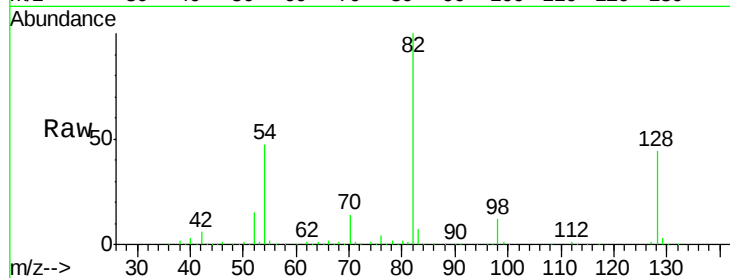
Tgt Ion: 82 Resp: 905521

Ion Ratio Lower Upper

82 100

128 44.2 34.5 51.7

54 46.9 39.3 58.9



#25

Isophorone

Concen: 35.67 ng

RT: 7.52 min Scan# 458

Delta R.T. -0.29 min

Lab File: BF085266.D

Acq: 8 Mar 2016 20:13

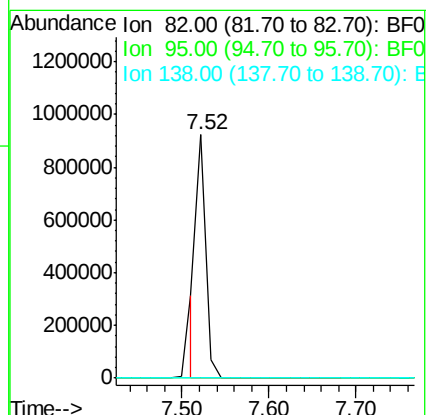
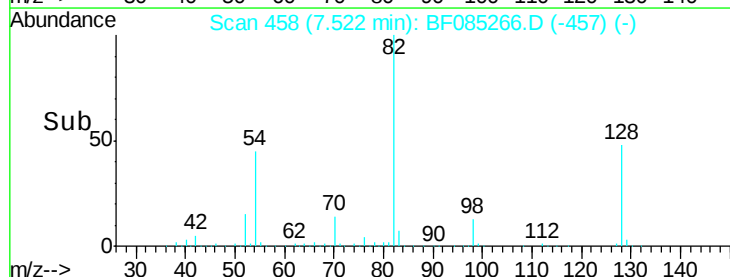
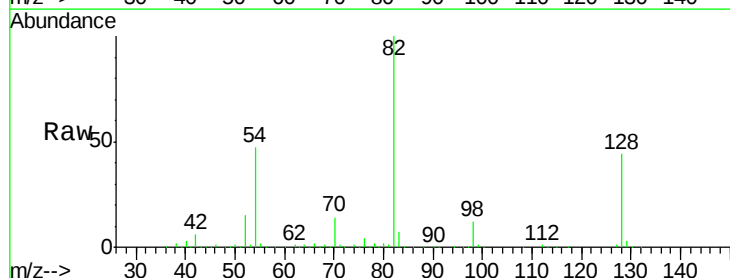
Tgt Ion: 82 Resp: 685674

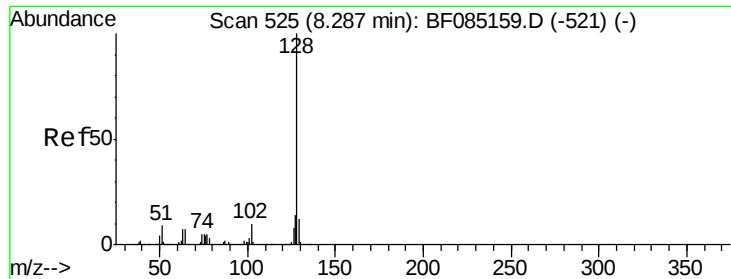
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 13.3 19.9#

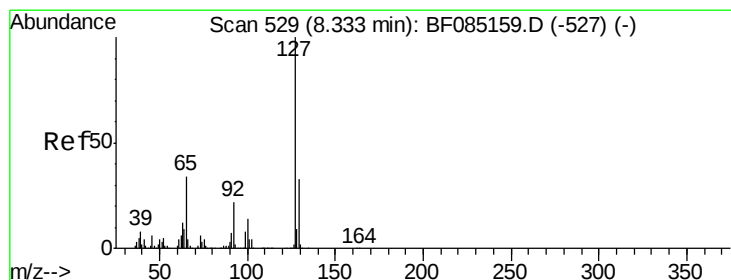
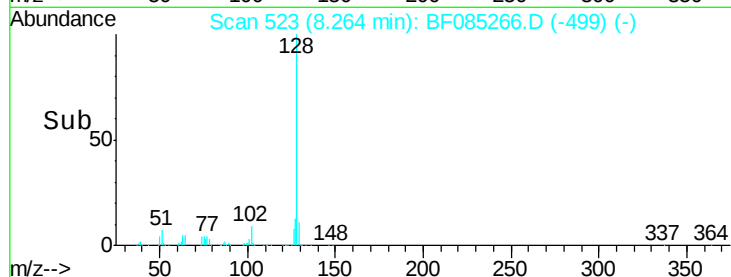
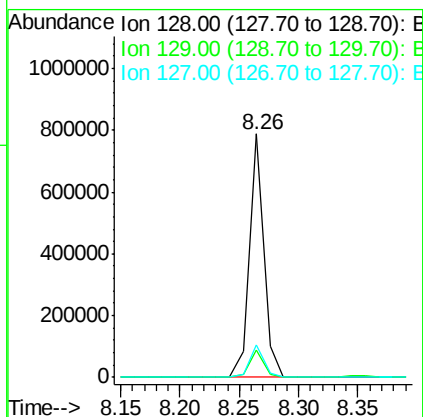
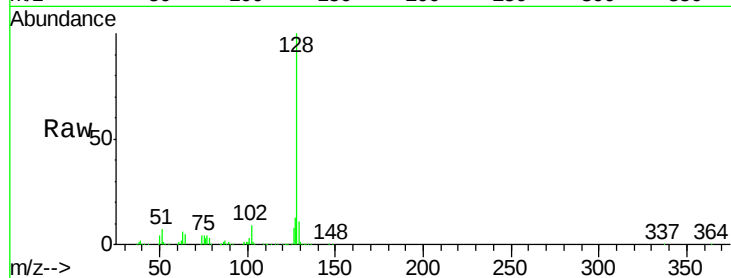




#31
Naphthalene
Concen: 24.62 ng
RT: 8.26 min Scan# 523
Delta R.T. -0.02 min
Lab File: BF085266.D
Acq: 8 Mar 2016 20:13

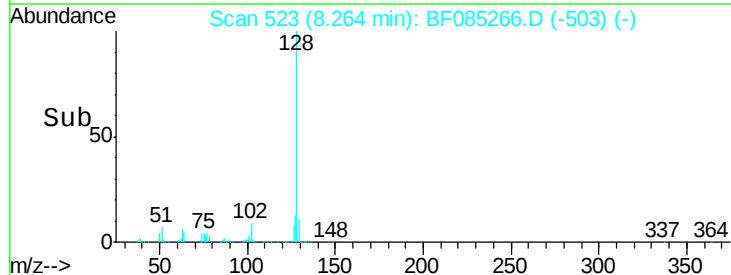
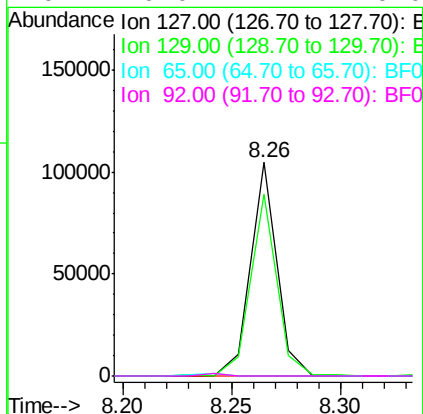
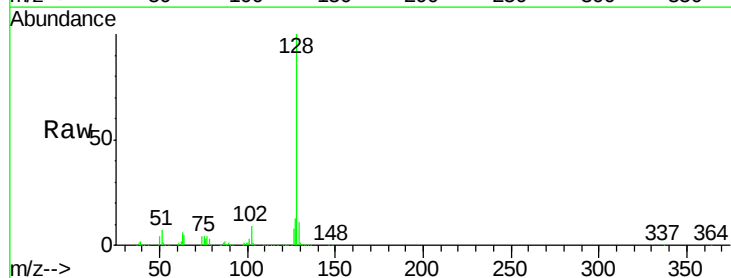
Instrument :
BNA_F
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RW-48-S2 GRID 3

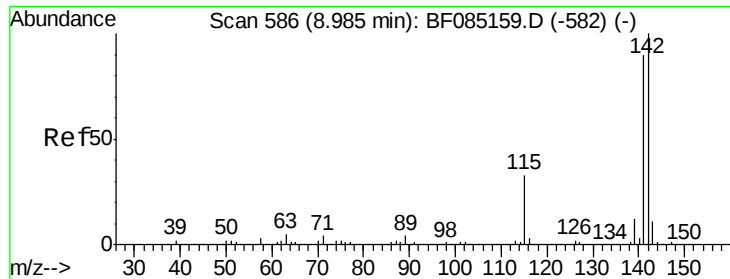
Tgt Ion:128 Resp: 672096
Ion Ratio Lower Upper
128 100
129 11.3 9.7 14.5
127 13.3 11.2 16.8



#33
4-Chloroaniline
Concen: 7.94 ng
RT: 8.26 min Scan# 523
Delta R.T. -0.07 min
Lab File: BF085266.D
Acq: 8 Mar 2016 20:13

Tgt Ion:127 Resp: 87676
Ion Ratio Lower Upper
127 100
129 85.3 26.1 39.1#
65 0.0 27.0 40.6#
92 0.0 17.4 26.0#

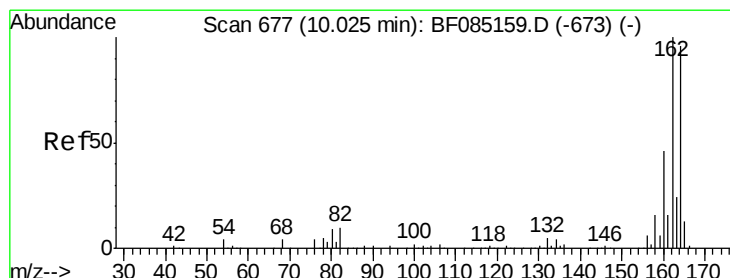
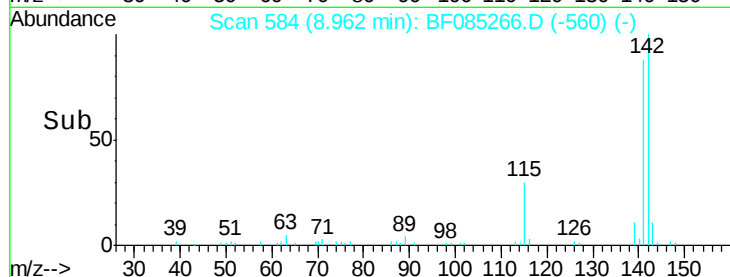
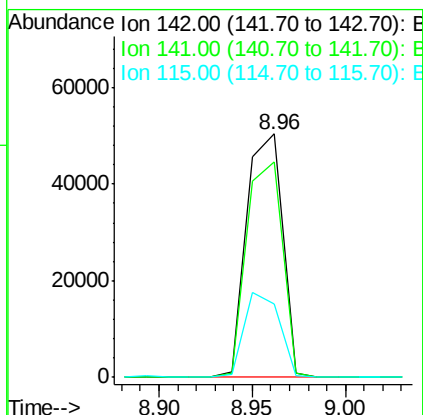
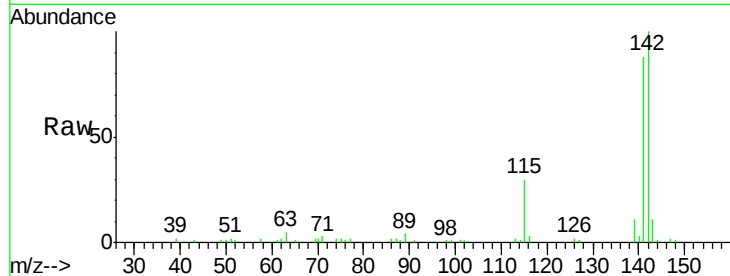




#37
2-Methylnaphthalene
Concen: 3.84 ng
RT: 8.96 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF085266.D
Acq: 8 Mar 2016 20:13

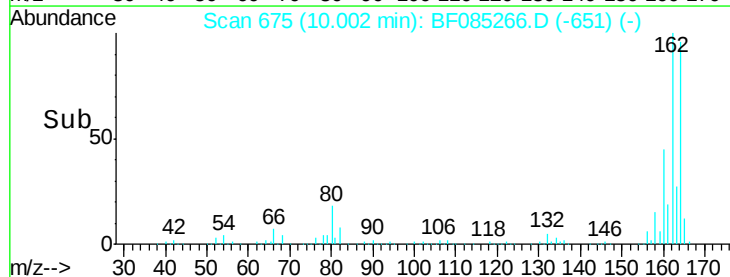
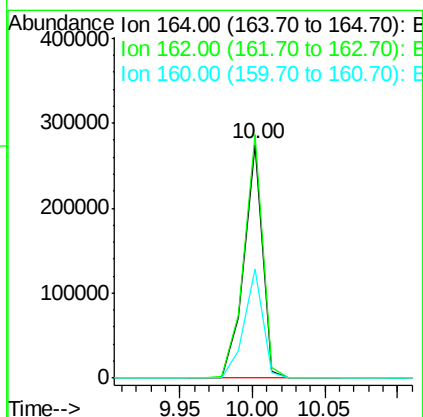
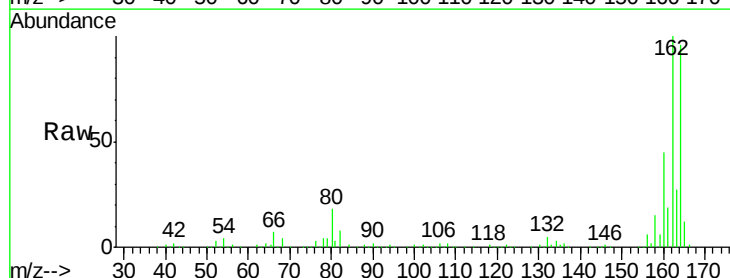
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RW-48-S2 GRID 3

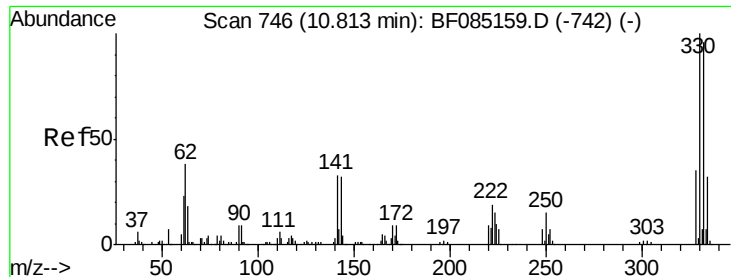
Tgt Ion:142 Resp: 67318
Ion Ratio Lower Upper
142 100
141 88.3 71.7 107.5
115 30.1 26.2 39.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.00 min Scan# 675
Delta R.T. -0.02 min
Lab File: BF085266.D
Acq: 8 Mar 2016 20:13

Tgt Ion:164 Resp: 244908
Ion Ratio Lower Upper
164 100
162 104.2 83.3 124.9
160 46.6 37.9 56.9

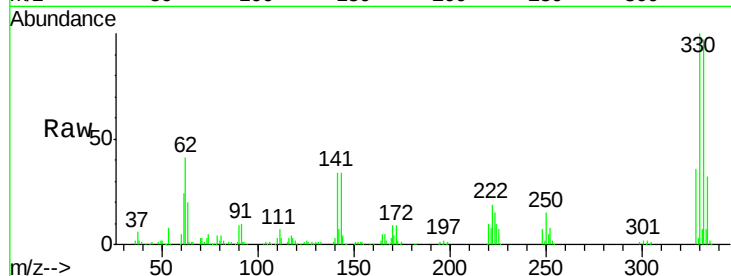




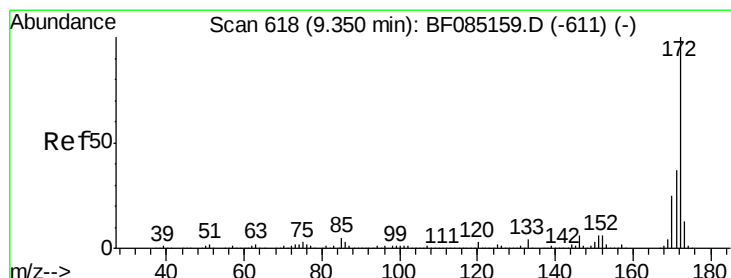
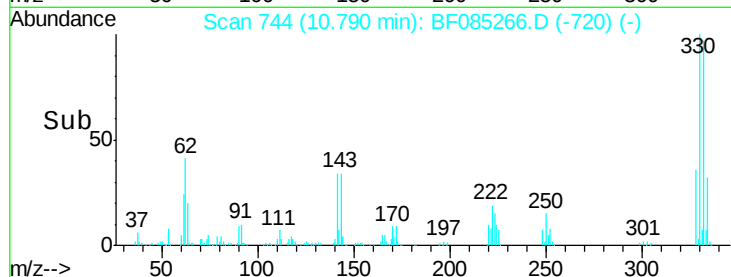
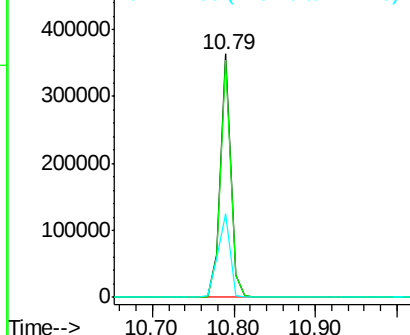
#41
 2,4,6-Tribromophenol
 Concen: 153.65 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF085266.D
 Acq: 8 Mar 2016 20:13

Instrument :
 BNA_F
 ClientSampleId :
 RW-48-S2 GRID 3

Tgt Ion:330 Resp: 321986
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.1 115.7
 141 40.6 35.0 52.6

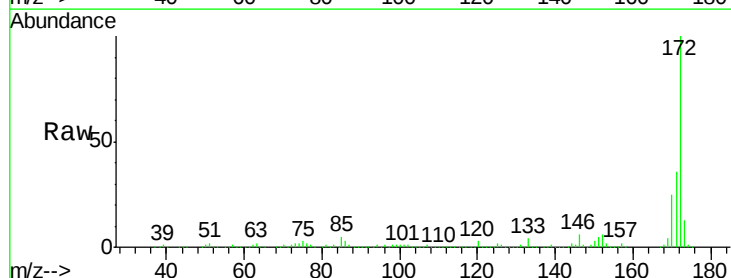


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

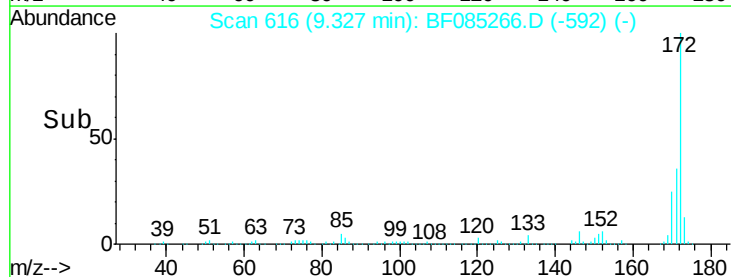
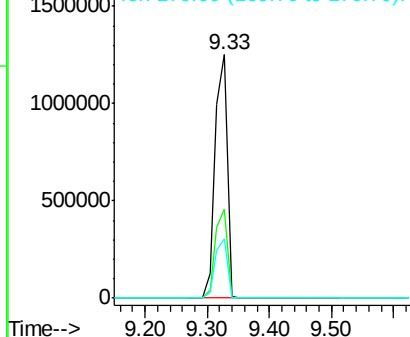


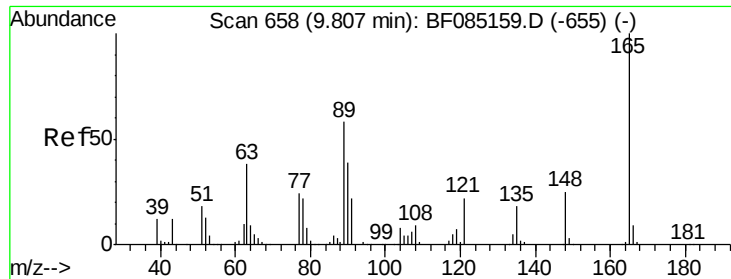
#44
 2-Fluorobiphenyl
 Concen: 102.06 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085266.D
 Acq: 8 Mar 2016 20:13

Tgt Ion:172 Resp: 1643538
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.3 43.9
 170 24.5 20.0 30.0



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

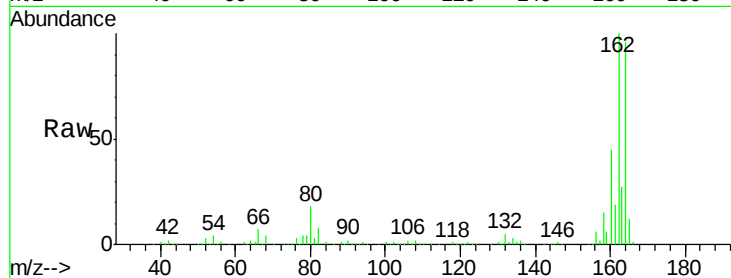




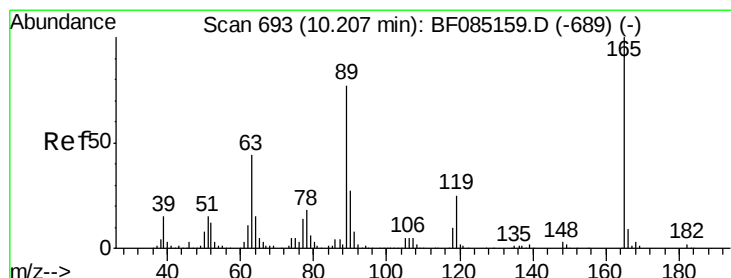
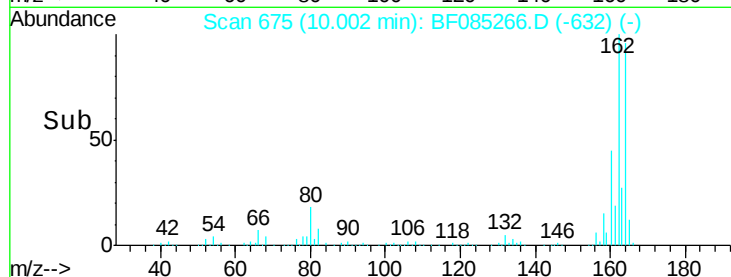
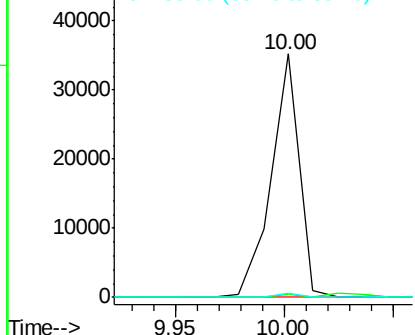
#50
 2,6-Dinitrotoluene
 Concen: 7.91 ng
 RT: 10.00 min Scan# 675
 Delta R.T. 0.19 min
 Lab File: BF085266.D
 Acq: 8 Mar 2016 20:13

Instrument :
 BNA_F
 ClientSampleId :
 RW-48-S2 GRID 3

Tgt Ion:165 Resp: 31824
 Ion Ratio Lower Upper
 165 100
 63 1.2 41.8 62.8#
 89 1.6 46.7 70.1#

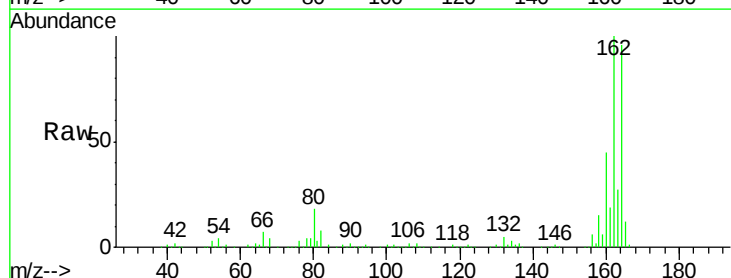


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

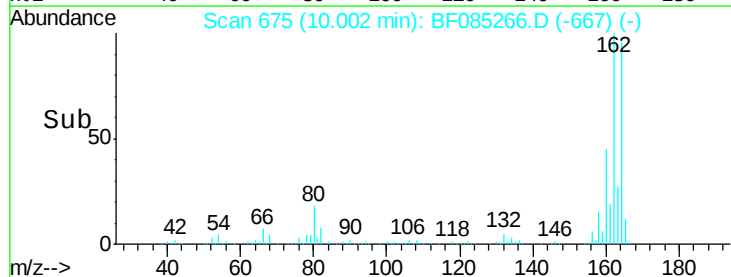
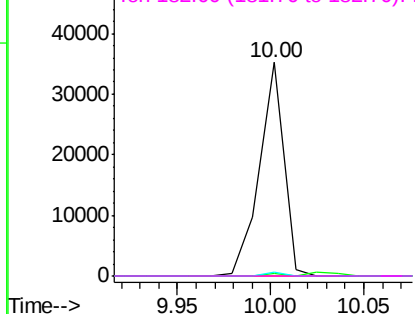


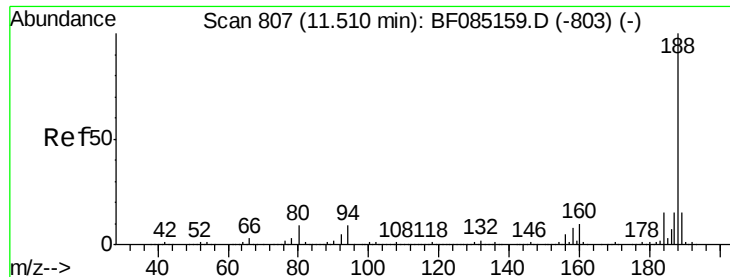
#56
 2,4-Dinitrotoluene
 Concen: 6.18 ng
 RT: 10.00 min Scan# 675
 Delta R.T. -0.21 min
 Lab File: BF085266.D
 Acq: 8 Mar 2016 20:13

Tgt Ion:165 Resp: 31825
 Ion Ratio Lower Upper
 165 100
 63 1.2 35.4 53.0#
 89 1.6 61.9 92.9#
 182 0.0 1.9 2.9#



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

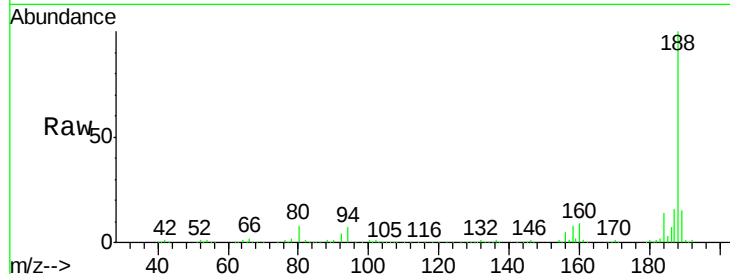




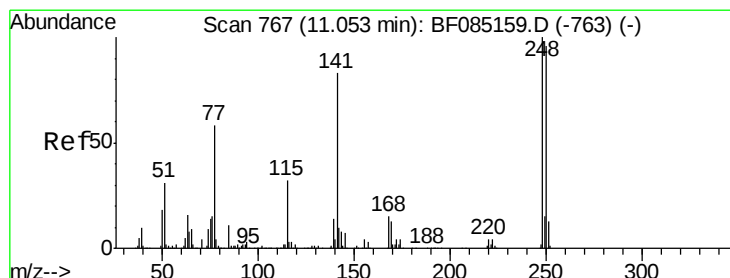
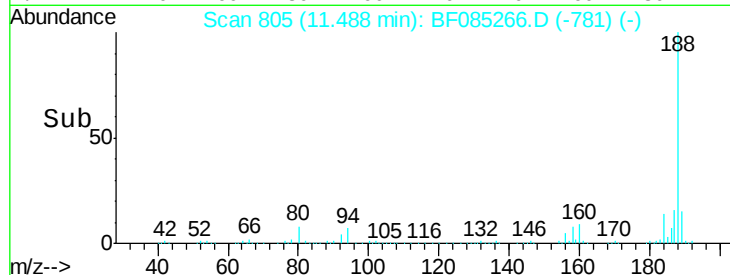
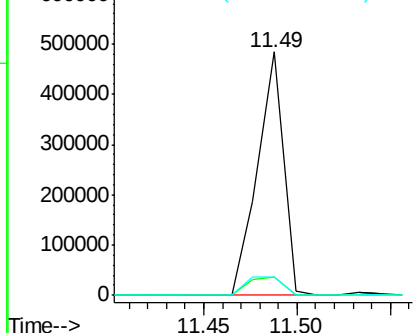
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF085266.D
Acq: 8 Mar 2016 20:13

Instrument :
BNA_F
ClientSampleId :
RW-48-S2 GRID 3

Tgt Ion:188 Resp: 468916
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 7.8 7.4 11.0

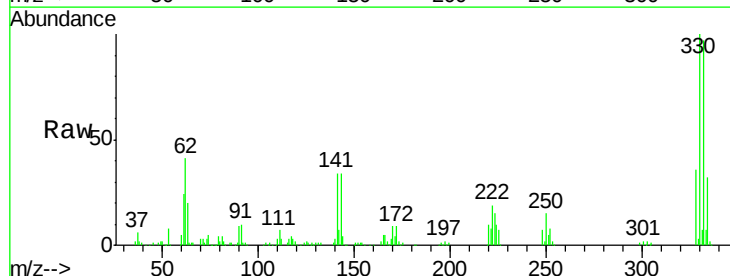


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

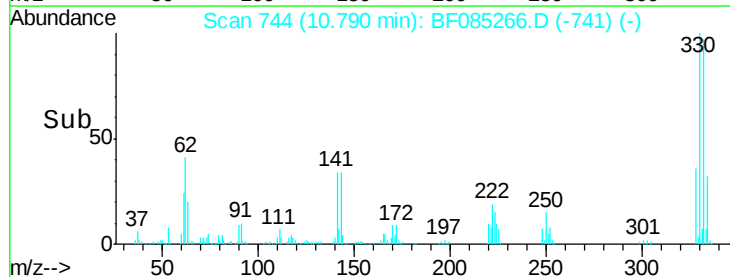
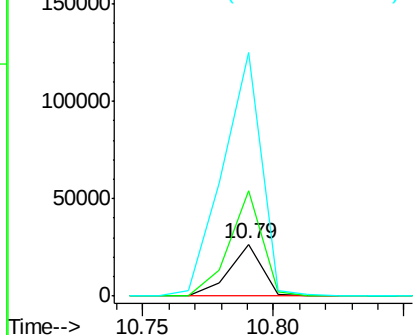


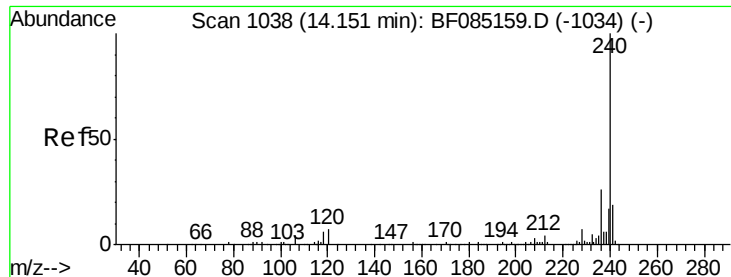
#66
4-Bromophenyl-phenylether
Concen: 5.24 ng
RT: 10.79 min Scan# 744
Delta R.T. -0.26 min
Lab File: BF085266.D
Acq: 8 Mar 2016 20:13

Tgt Ion:248 Resp: 23861
Ion Ratio Lower Upper
248 100
250 204.0 77.1 115.7#
141 468.9 66.2 99.2#



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: 14.12 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF085266.D

Acq: 8 Mar 2016 20:13

Instrument :

BNA_F

ClientSampleId :

RW-48-S2 GRID 3

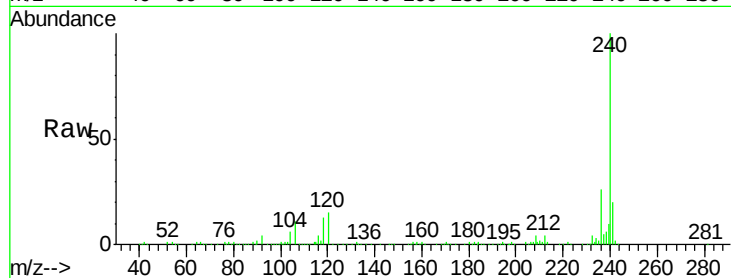
Tgt Ion:240 Resp: 326816

Ion Ratio Lower Upper

240 100

120 15.5 5.3 7.9#

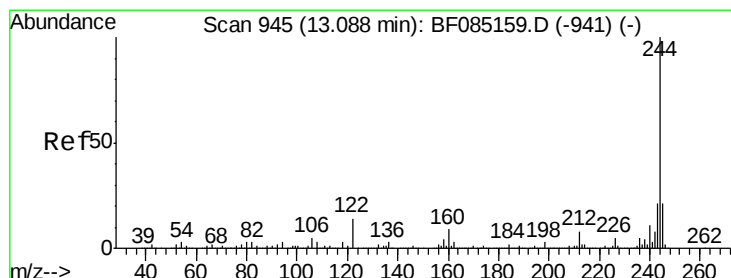
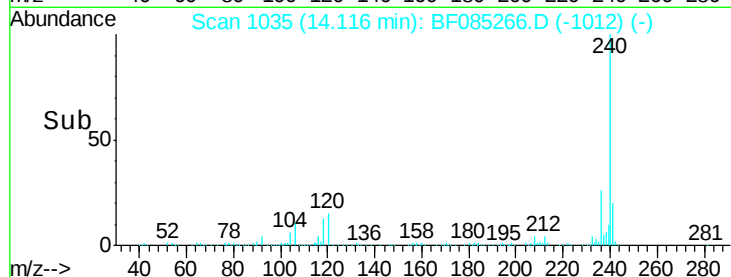
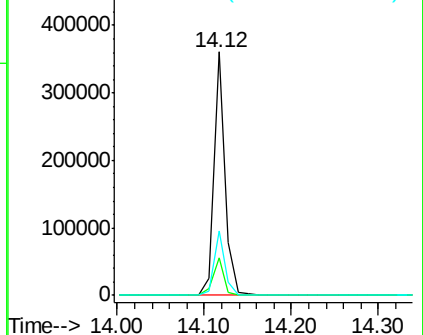
236 26.5 20.7 31.1



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: 110.29 ng

RT: 13.08 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF085266.D

Acq: 8 Mar 2016 20:13

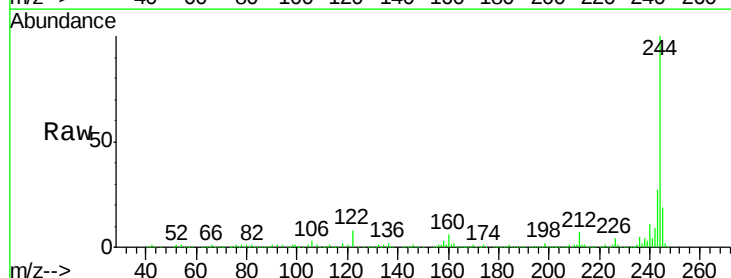
Tgt Ion:244 Resp: 1552729

Ion Ratio Lower Upper

244 100

212 7.0 6.4 9.6

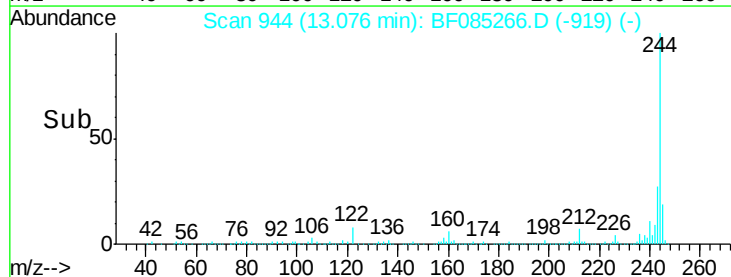
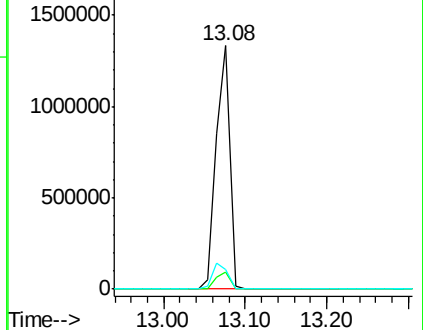
122 8.1 11.4 17.2#

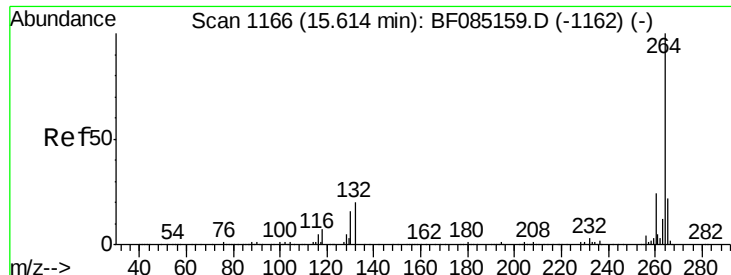


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

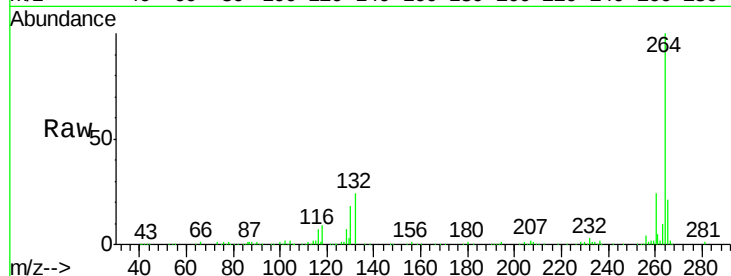




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF085266.D
Acq: 8 Mar 2016 20:13

Instrument :
BNA_F
ClientSampleId :
RW-48-S2 GRID 3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.4	17.3	25.9



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

