

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040516\
 Data File : BF086083.D
 Acq On : 5 Apr 2016 19:36
 Operator : UM/SJ
 Sample : H2149-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 51-35-REEDER-DISCHARGE

Quant Time: Apr 06 00:52:26 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

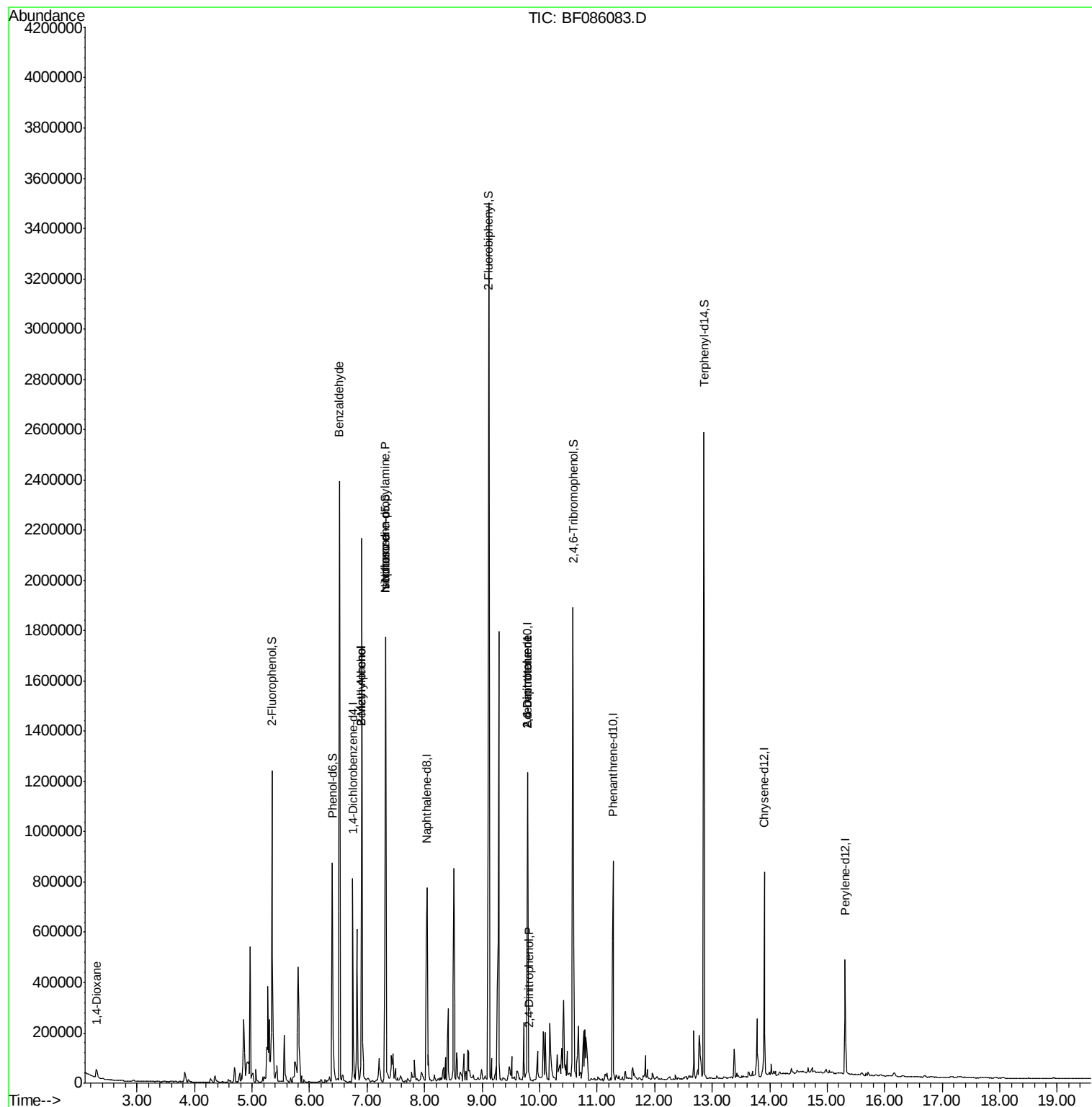
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	120107	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	473335	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	222953	20.00	ng	-0.02
63) Phenanthrene-d10	11.28	188	397336	20.00	ng	-0.02
75) Chrysene-d12	13.91	240	261510	20.00	ng	-0.02
86) Perylene-d12	15.31	264	204703	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	405384	57.69	ng	-0.02
7) Phenol-d6	6.40	99	345139	38.67	ng	-0.02
23) Nitrobenzene-d5	7.32	82	616981	76.87	ng	-0.02
41) 2,4,6-Tribromophenol	10.58	330	232906	111.30	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	1058868	78.97	ng	-0.02
78) Terphenyl-d14	12.85	244	930202	83.61	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.29	88	21635	6.49	ng	92
9) Benzaldehyde	6.52	77	14593	3.04	ng	90
15) Benzyl Alcohol	6.90	79	97935	16.96	ng	93
17) 2-Methylphenol	6.90	107	47802	7.24	ng	# 1
19) n-Nitroso-di-n-propylamine	7.32	70	82776	14.96	ng	# 79
25) Isophorone	7.32	82	490501	30.96	ng	# 68
50) 2,6-Dinitrotoluene	9.79	165	29023	8.30	ng	# 19
53) 2,4-Dinitrophenol	9.81	184	255	2.12	ng	# 1
56) 2,4-Dinitrotoluene	9.79	165	29025	6.57	ng	# 38

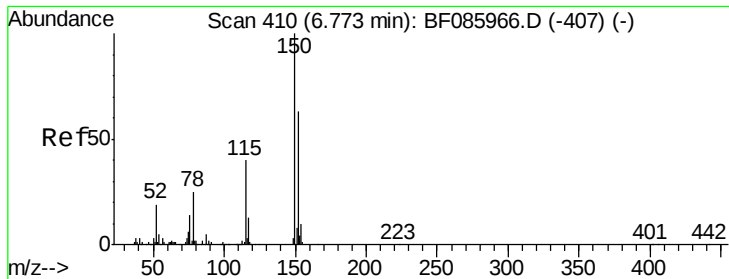
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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51-35-REEDER-DISCHARGE

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QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF086083.D

Acq: 5 Apr 2016 19:36

Instrument :

BNA_F

ClientSampleId :

51-35-REEDER-DISCHARGE

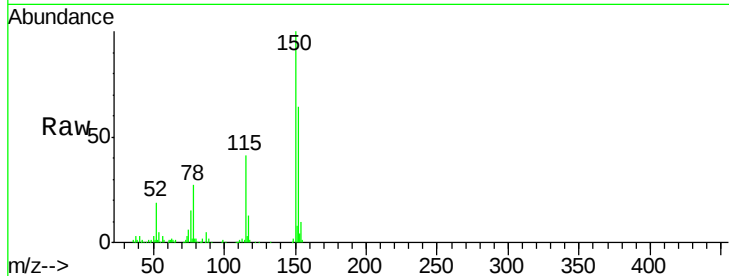
Tgt Ion:152 Resp: 120107

Ion Ratio Lower Upper

152 100

150 156.0 124.2 186.2

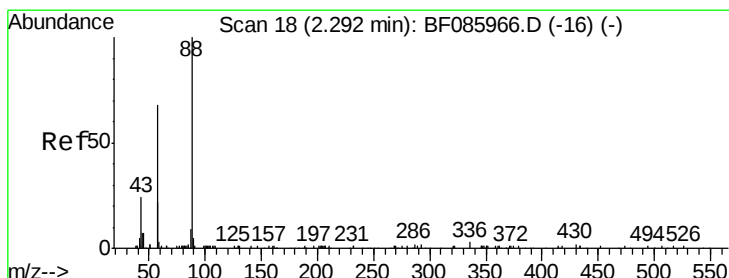
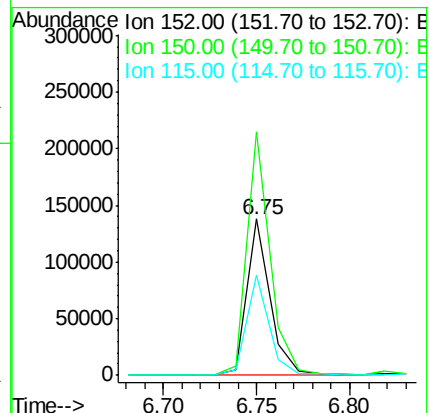
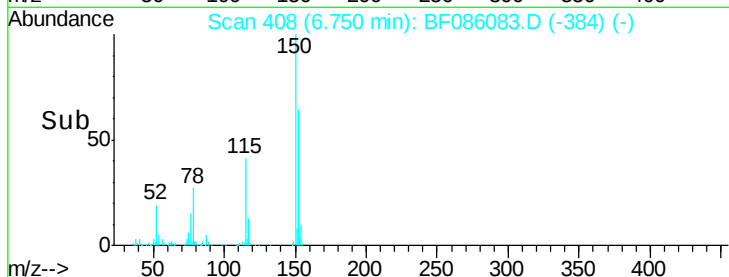
115 64.3 47.0 70.6



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



#2

1,4-Dioxane

Concen: 6.49 ng

RT: 2.29 min Scan# 18

Delta R.T. -0.00 min

Lab File: BF086083.D

Acq: 5 Apr 2016 19:36

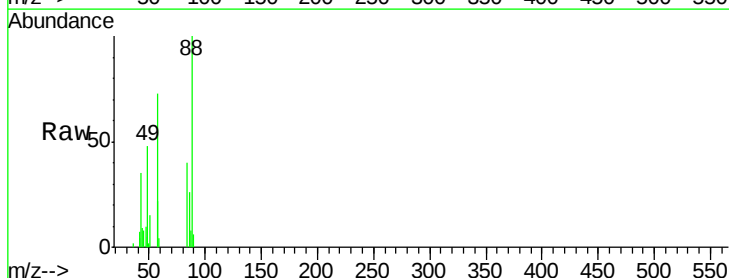
Tgt Ion: 88 Resp: 21635

Ion Ratio Lower Upper

88 100

58 75.3 54.2 81.2

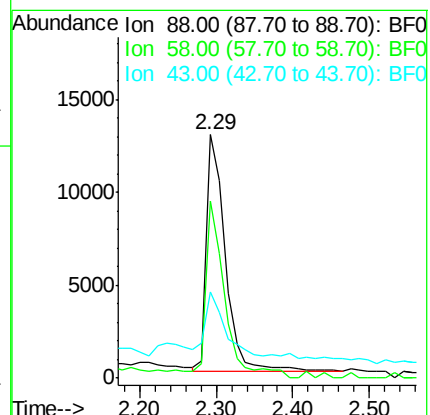
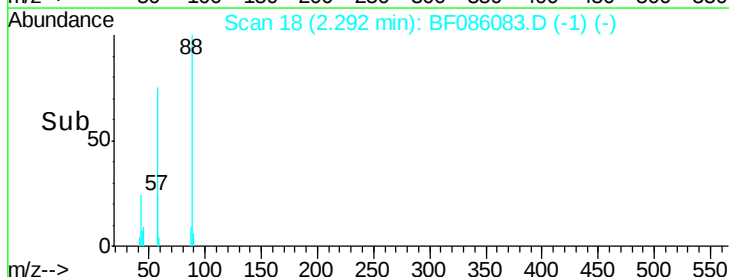
43 25.8 19.3 28.9

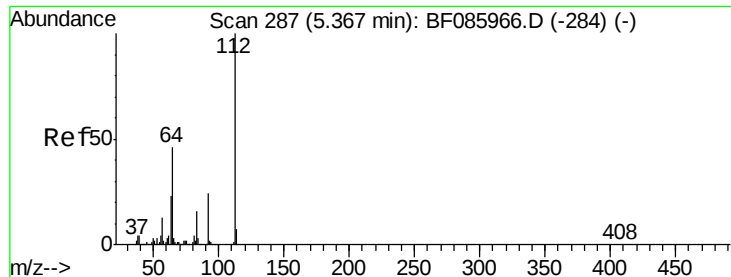


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 57.69 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.02 min

Lab File: BF086083.D

Acq: 5 Apr 2016 19:36

Instrument :

BNA_F

ClientSampleId :

51-35-REEDER-DISCHARGE

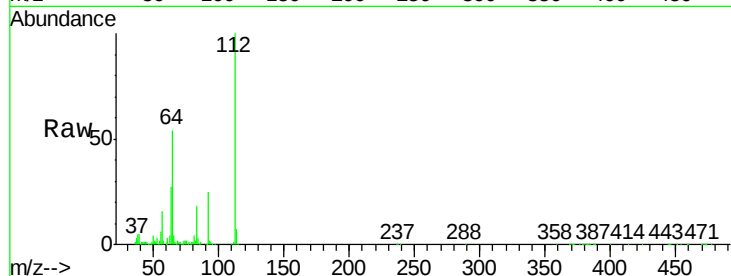
Tgt Ion: 112 Resp: 405384

Ion Ratio Lower Upper

112 100

64 53.5 39.9 59.9

63 27.4 20.2 30.2



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

500000

400000

300000

200000

100000

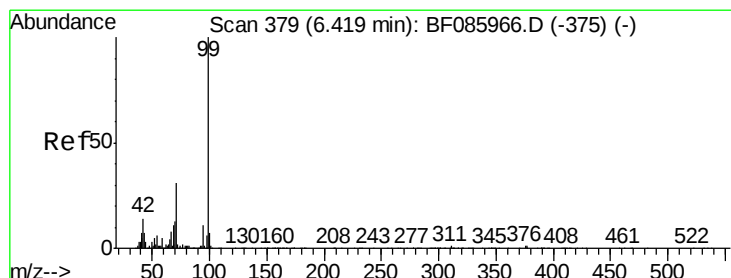
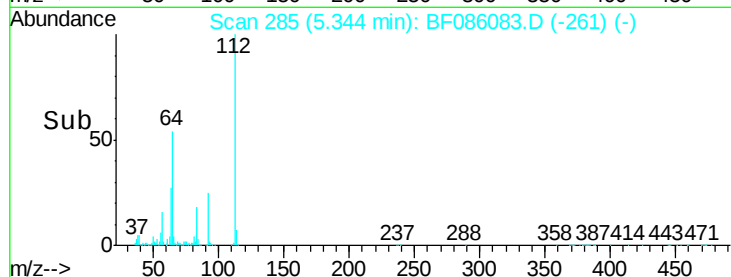
0

5.20

5.40

5.60

Time-->



#7

Phenol-d6

Concen: 38.67 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086083.D

Acq: 5 Apr 2016 19:36

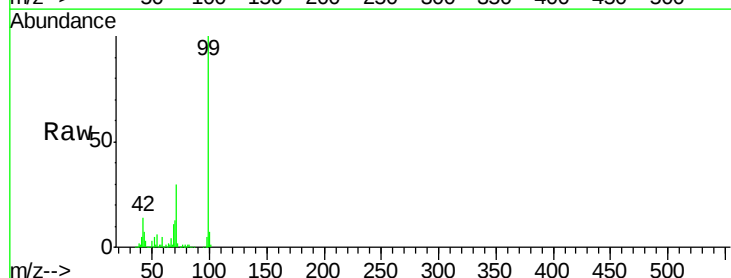
Tgt Ion: 99 Resp: 345139

Ion Ratio Lower Upper

99 100

42 14.0 11.1 16.7

71 30.0 24.9 37.3



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

400000

300000

200000

100000

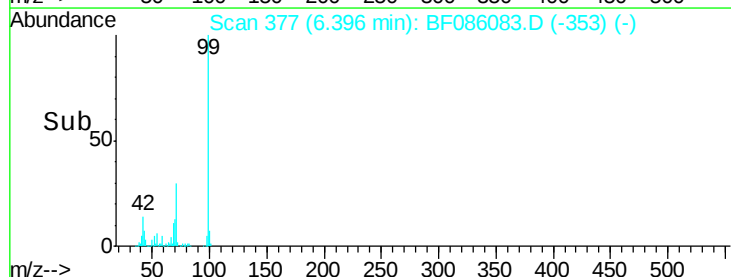
0

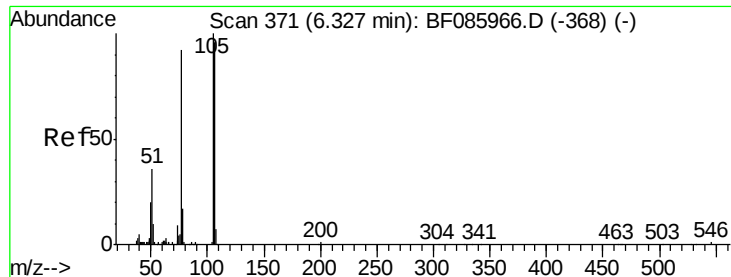
6.30

6.40

6.50

Time-->





#9

Benzaldehyde

Concen: 3.04 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.19 min

Lab File: BF086083.D

Acq: 5 Apr 2016 19:36

Instrument :

BNA_F

ClientSampleId :

51-35-REEDER-DISCHARGE

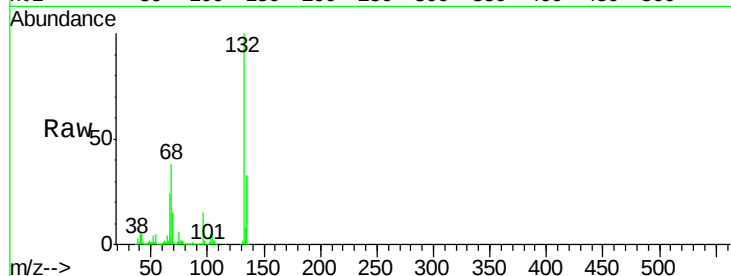
Tgt Ion: 77 Resp: 14593

Ion Ratio Lower Upper

77 100

105 90.3 80.1 120.1

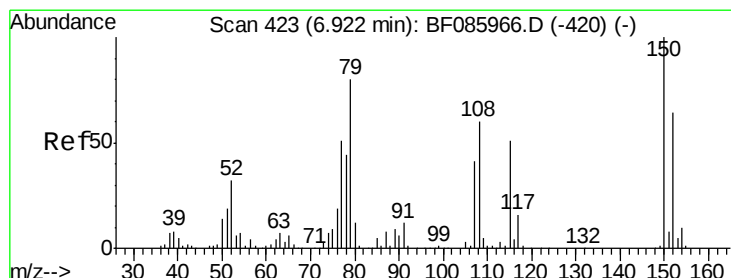
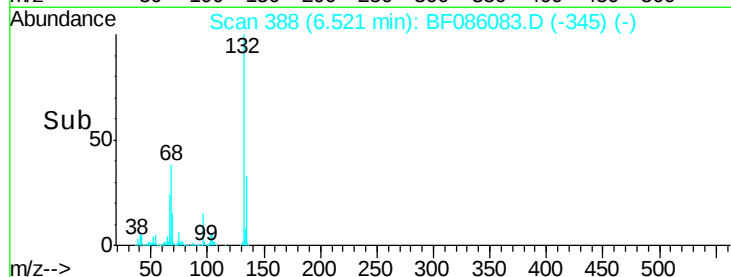
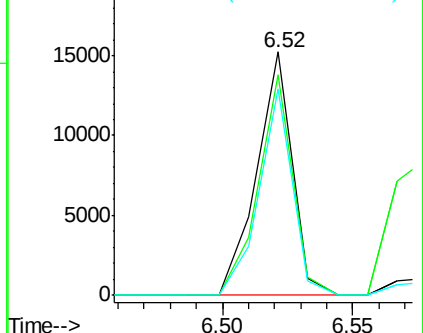
106 84.7 75.0 115.0



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#15

Benzyl Alcohol

Concen: 16.96 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF086083.D

Acq: 5 Apr 2016 19:36

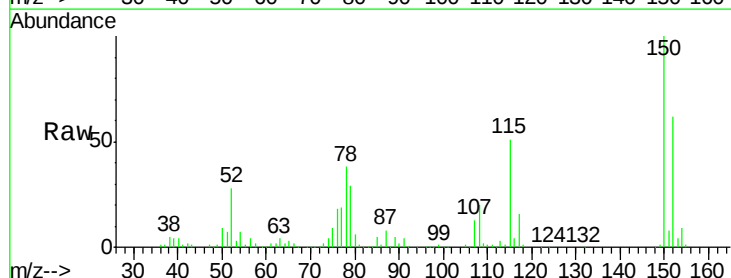
Tgt Ion: 79 Resp: 97935

Ion Ratio Lower Upper

79 100

108 69.3 61.8 92.6

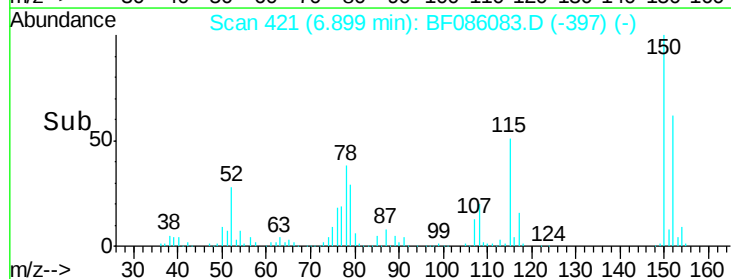
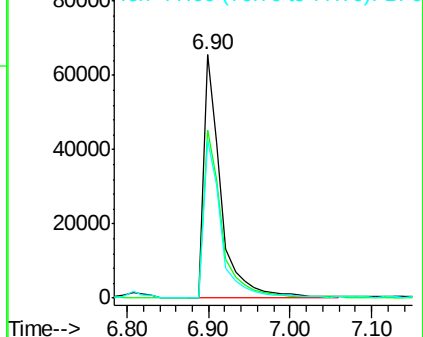
77 64.6 49.6 74.4

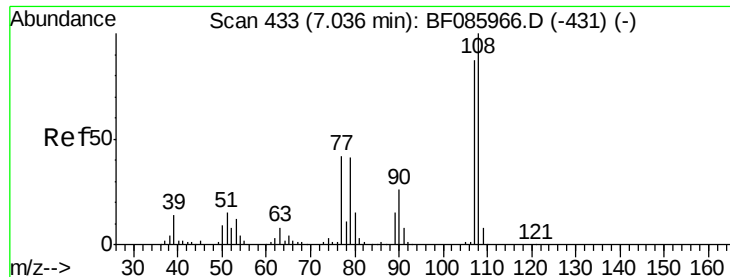


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

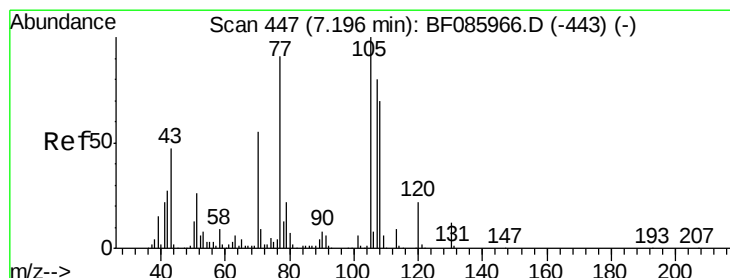
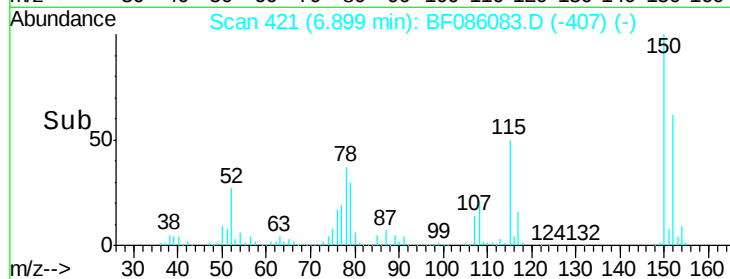
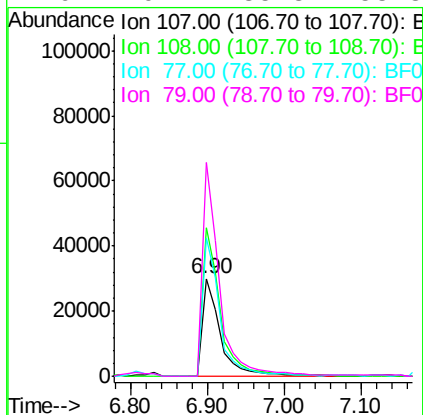
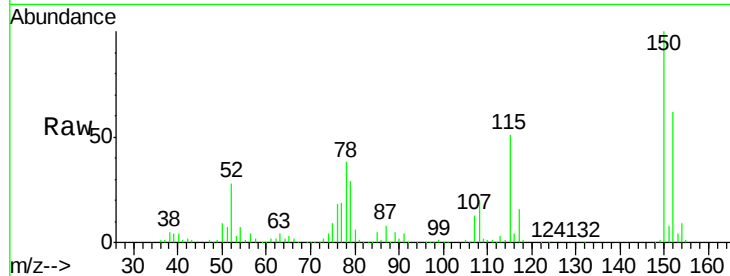




#17
2-Methylphenol
Concen: 7.24 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.14 min
Lab File: BF086083.D
Acq: 5 Apr 2016 19:36

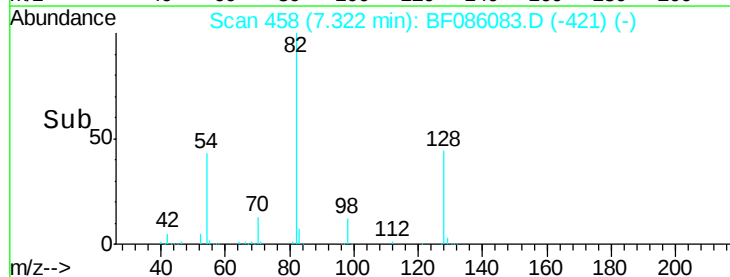
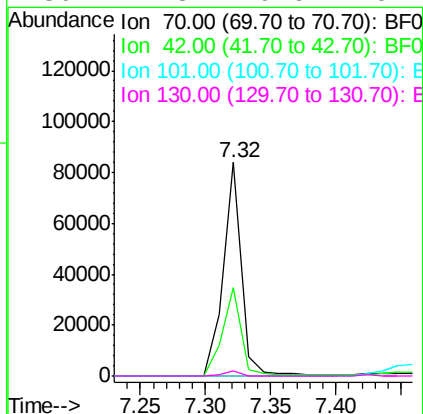
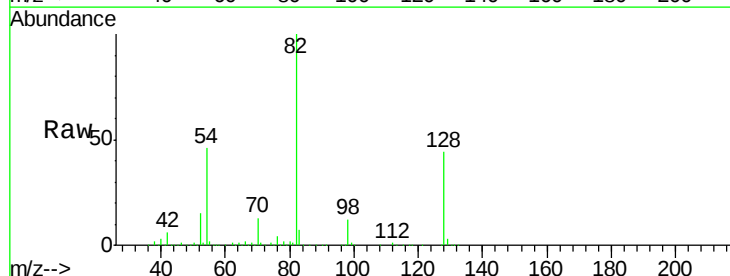
Instrument :
BNA_F
ClientSampleId :
51-35-REEDER-DISCHARGE

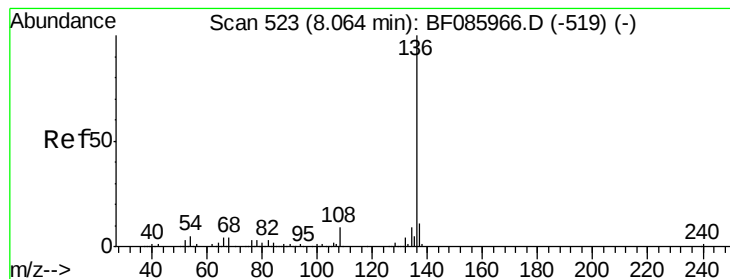
Tgt Ion	Resp	Lower	Upper
107	100		
108	152.0	91.4	137.0#
77	141.7	36.2	54.2#
79	219.4	35.8	53.8#



#19
n-Nitroso-di-n-propylamine
Concen: 14.96 ng
RT: 7.32 min Scan# 458
Delta R.T. 0.13 min
Lab File: BF086083.D
Acq: 5 Apr 2016 19:36

Tgt Ion	Resp	Lower	Upper
70	100		
42	41.4	37.1	55.7
101	0.0	8.6	12.8#
130	2.3	19.6	29.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF086083.D

Acq: 5 Apr 2016 19:36

Instrument :

BNA_F

ClientSampleId :

51-35-REEDER-DISCHARGE

Tgt Ion: 136 Resp: 473335

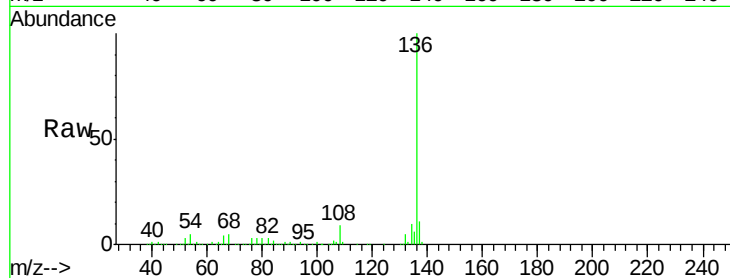
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.0 7.4 11.0#

68 4.5 5.8 8.8#

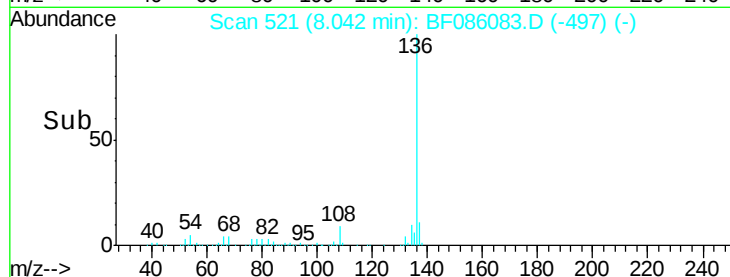


Abundance Ion 136.00 (135.70 to 136.70): E

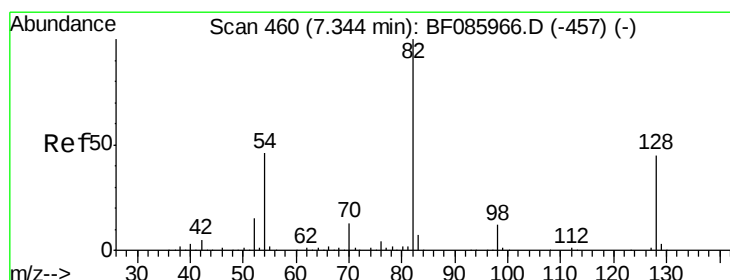
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 76.87 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF086083.D

Acq: 5 Apr 2016 19:36

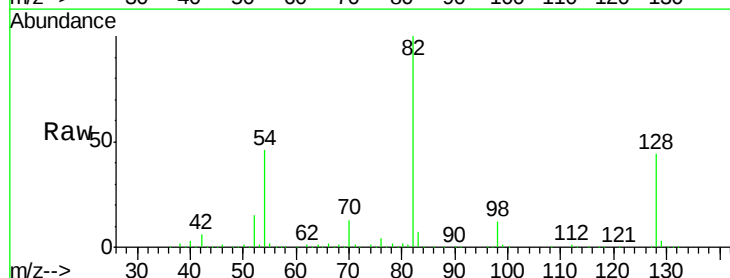
Tgt Ion: 82 Resp: 616981

Ion Ratio Lower Upper

82 100

128 44.4 41.8 62.8

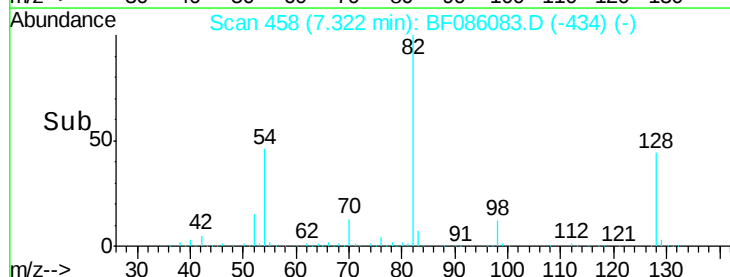
54 45.6 33.4 50.0



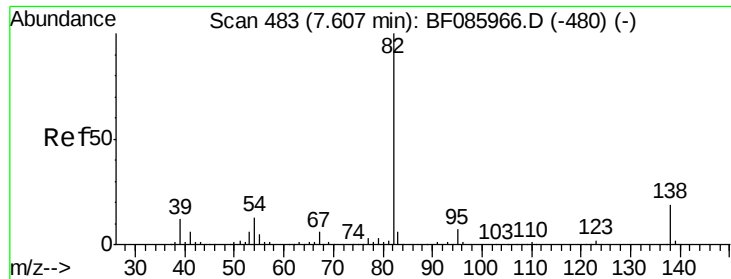
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 30.96 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.29 min

Lab File: BF086083.D

Acq: 5 Apr 2016 19:36

Instrument :

BNA_F

ClientSampleId :

51-35-REEDER-DISCHARGE

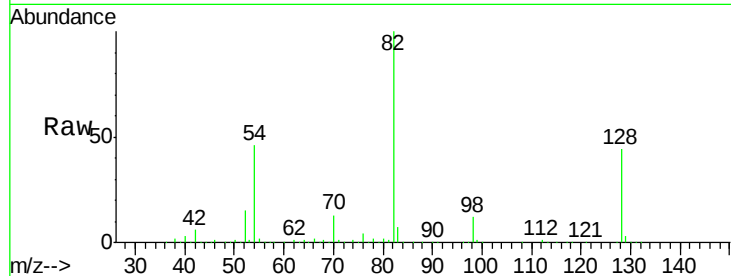
Tgt Ion: 82 Resp: 490501

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

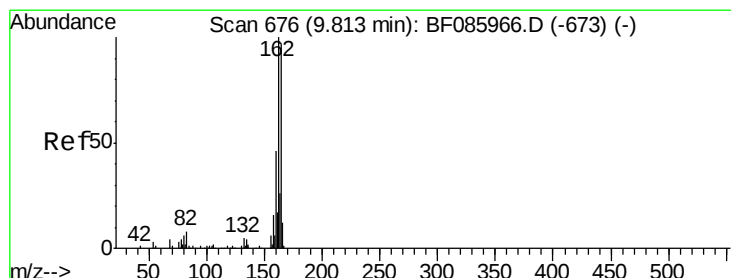
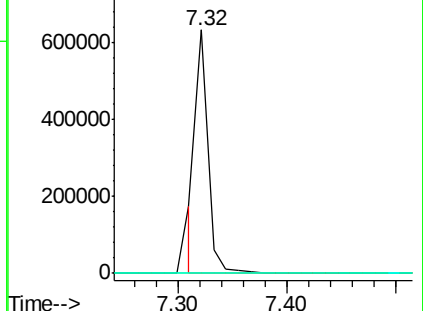
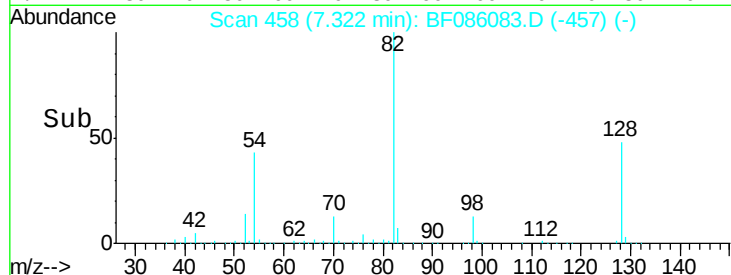
138 0.0 12.9 19.3#



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: 9.79 min Scan# 674

Delta R.T. -0.02 min

Lab File: BF086083.D

Acq: 5 Apr 2016 19:36

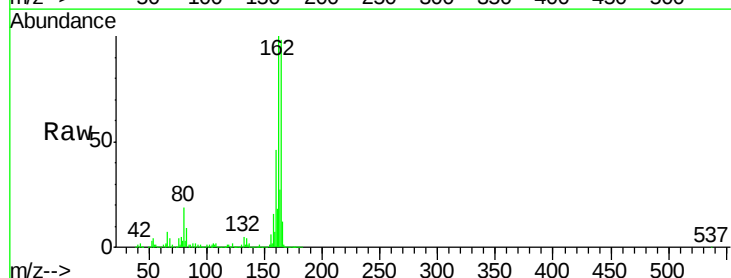
Tgt Ion: 164 Resp: 222953

Ion Ratio Lower Upper

164 100

162 102.1 82.1 123.1

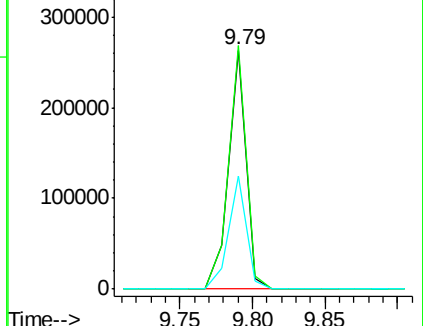
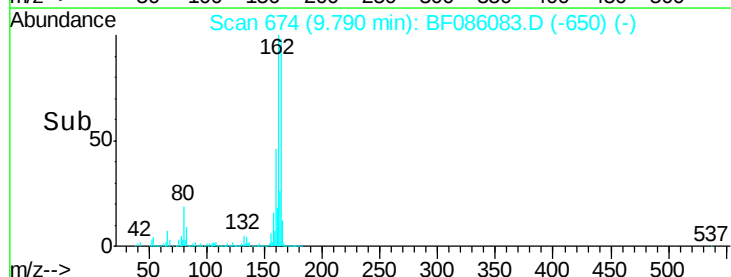
160 47.4 37.4 56.2

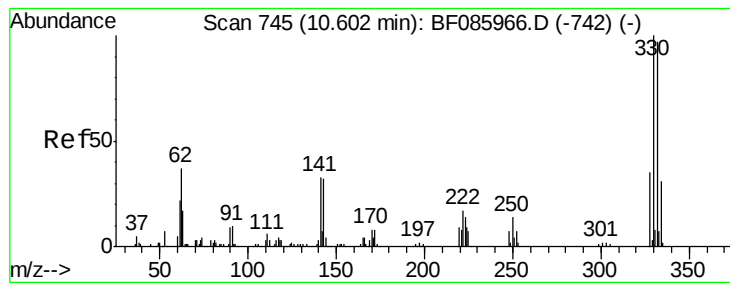


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

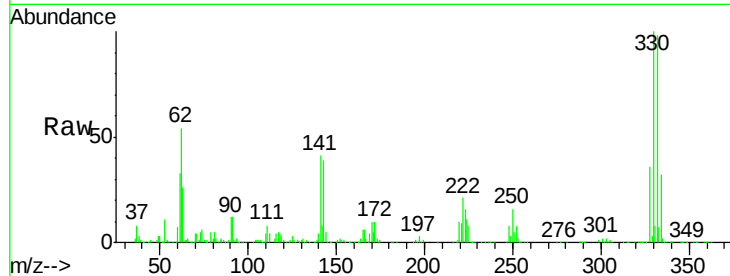




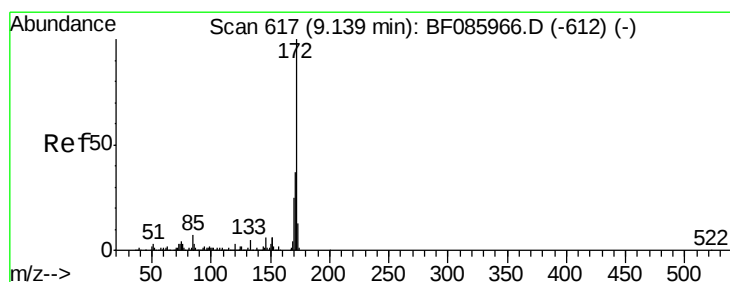
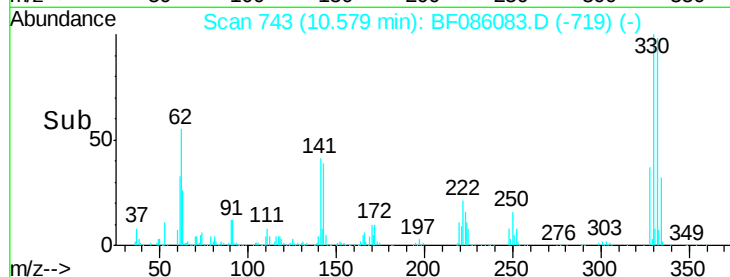
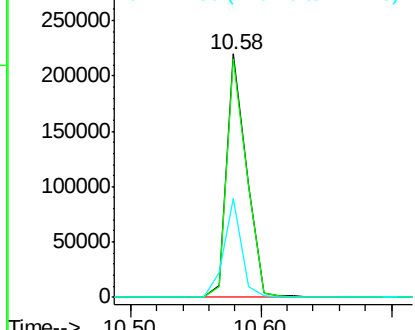
#41
 2,4,6-Tribromophenol
 Concen: 111.30 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.02 min
 Lab File: BF086083.D
 Acq: 5 Apr 2016 19:36

Instrument :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	78.2	117.2
141	36.6	31.5	47.3

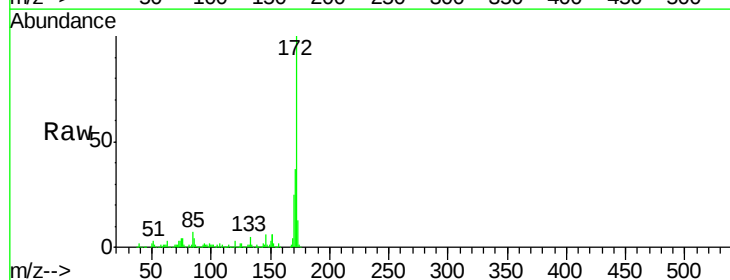


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

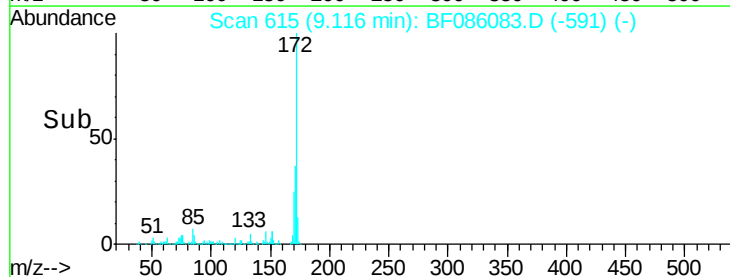
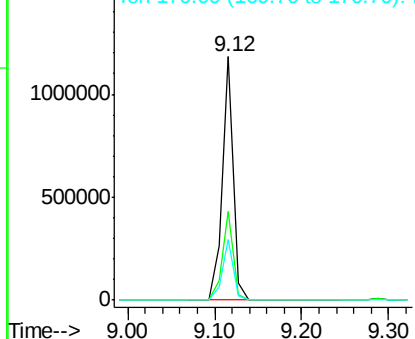


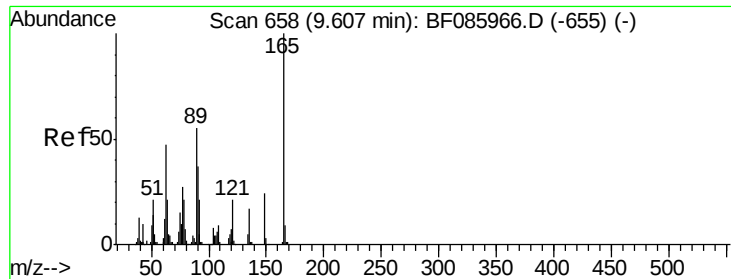
#44
 2-Fluorobiphenyl
 Concen: 78.97 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.02 min
 Lab File: BF086083.D
 Acq: 5 Apr 2016 19:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.2
170	24.9	19.8	29.6



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

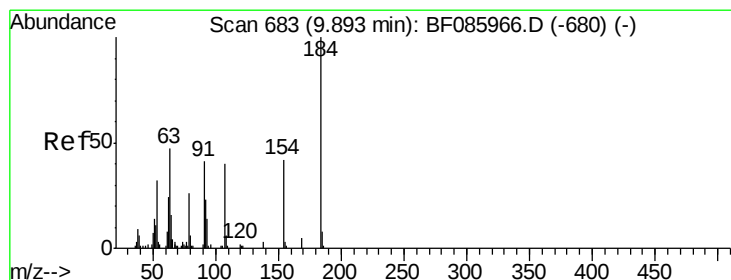
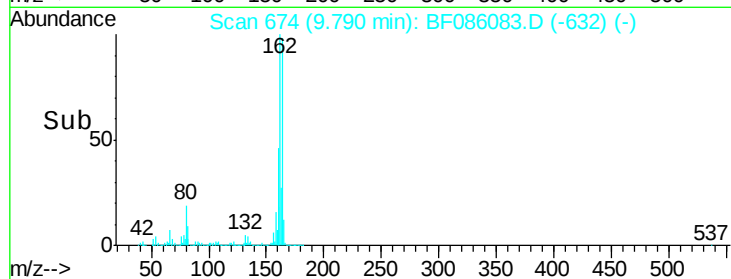
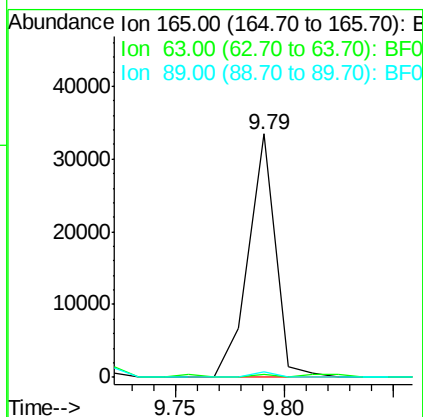
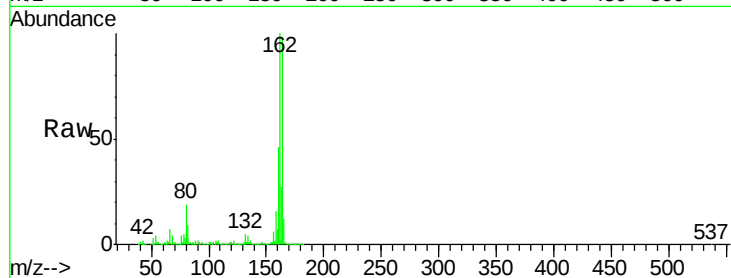




#50
2,6-Dinitrotoluene
Concen: 8.30 ng
RT: 9.79 min Scan# 674
Delta R.T. 0.18 min
Lab File: BF086083.D
Acq: 5 Apr 2016 19:36

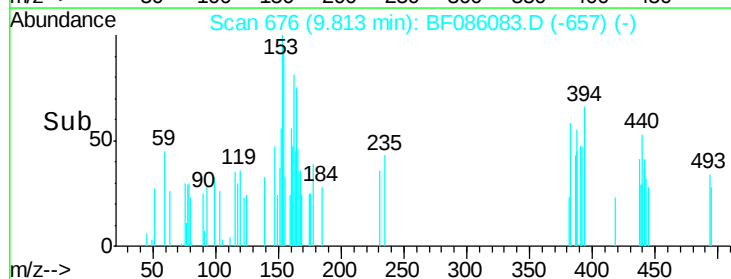
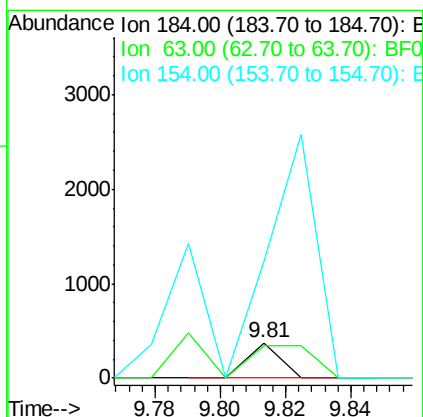
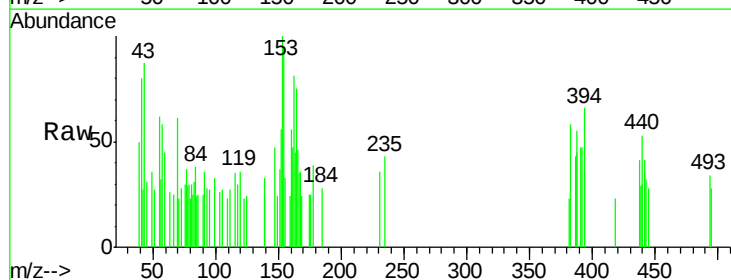
Instrument :
BNA_F
ClientSampleId :
51-35-REEDER-DISCHARGE

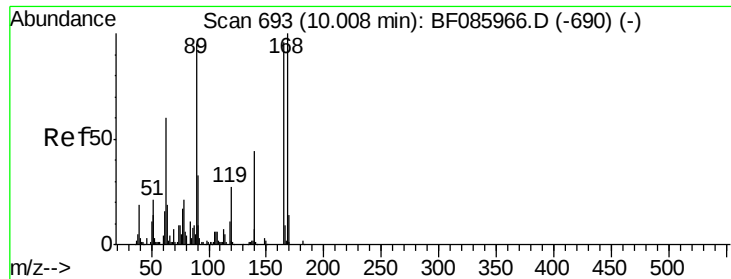
Tgt Ion:165 Resp: 29023
Ion Ratio Lower Upper
165 100
63 1.4 51.8 77.8#
89 2.3 53.7 80.5#



#53
2,4-Dinitrophenol
Concen: 2.12 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.08 min
Lab File: BF086083.D
Acq: 5 Apr 2016 19:36

Tgt Ion:184 Resp: 255
Ion Ratio Lower Upper
184 100
63 92.5 69.5 104.3
154 332.3 58.3 87.5#

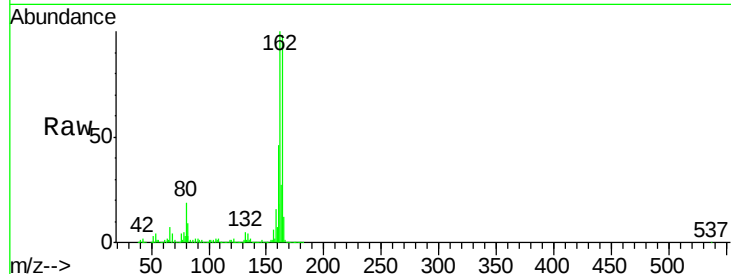




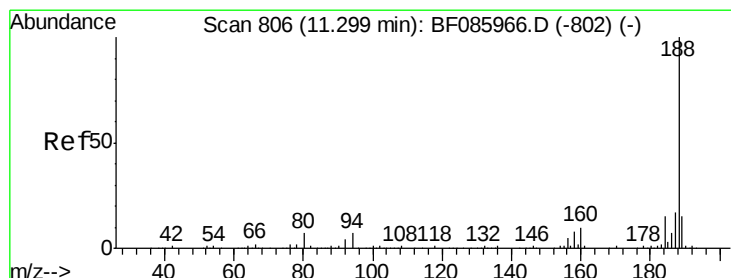
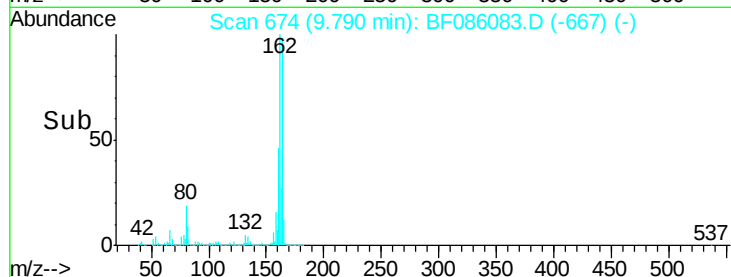
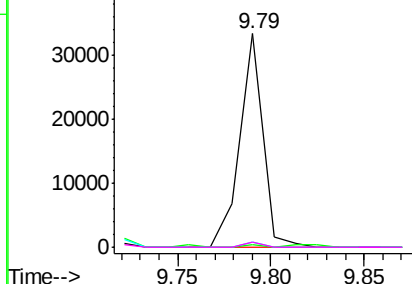
#56
 2,4-Dinitrotoluene
 Concen: 6.57 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.22 min
 Lab File: BF086083.D
 Acq: 5 Apr 2016 19:36

Instrument :
 BNA_F
 ClientSampleId :
 51-35-REEDER-DISCHARGE

Tgt Ion:165 Resp: 29025
 Ion Ratio Lower Upper
 165 100
 63 1.4 24.9 37.3#
 89 2.3 41.0 61.6#
 182 2.4 2.1 3.1

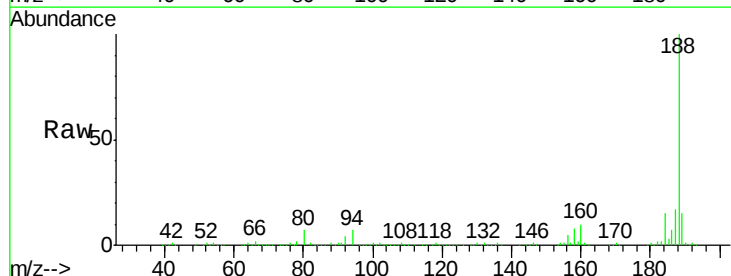


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

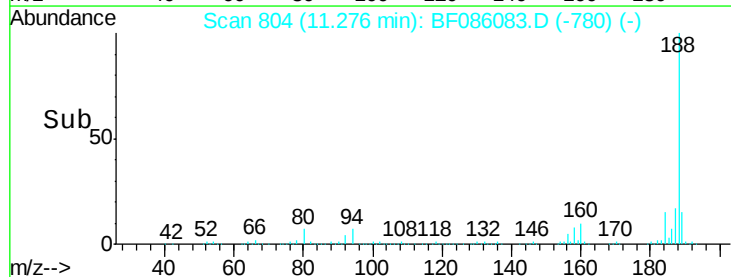
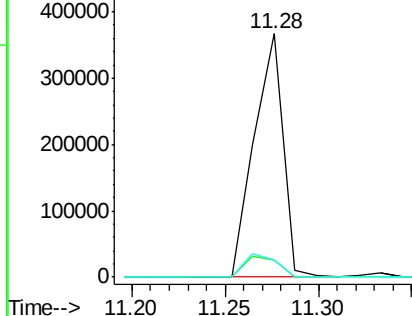


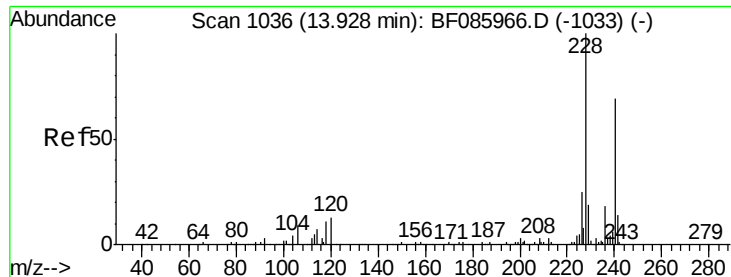
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF086083.D
 Acq: 5 Apr 2016 19:36

Tgt Ion:188 Resp: 397336
 Ion Ratio Lower Upper
 188 100
 94 6.9 5.4 8.0
 80 7.0 5.5 8.3



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF086083.D

Acq: 5 Apr 2016 19:36

Instrument :

BNA_F

ClientSampleId :

51-35-REEDER-DISCHARGE

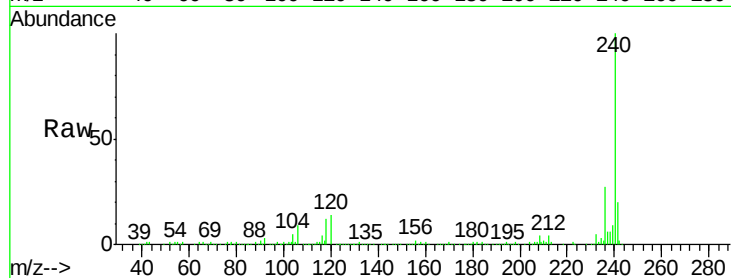
Tgt Ion:240 Resp: 261510

Ion Ratio Lower Upper

240 100

120 14.0 13.8 20.8

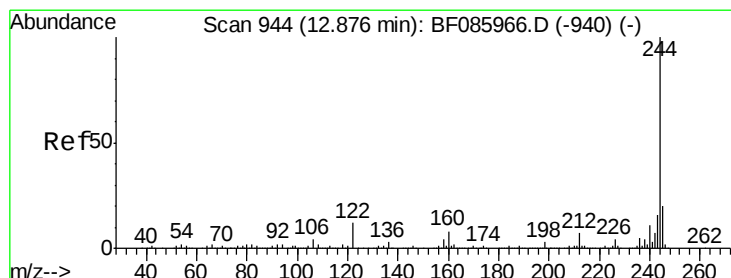
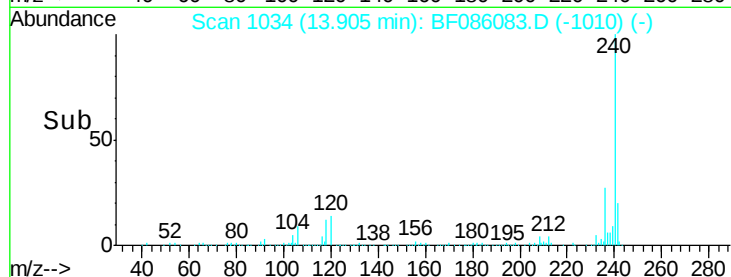
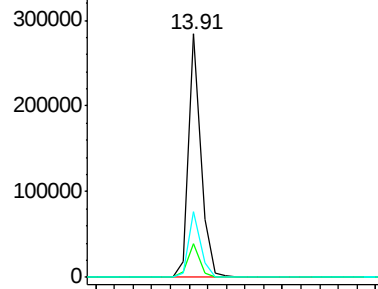
236 27.2 20.6 30.8



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: 83.61 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.02 min

Lab File: BF086083.D

Acq: 5 Apr 2016 19:36

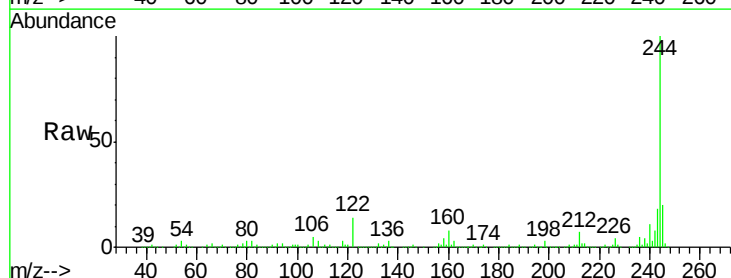
Tgt Ion:244 Resp: 930202

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

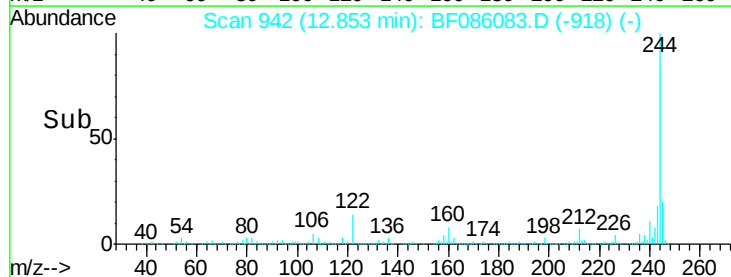
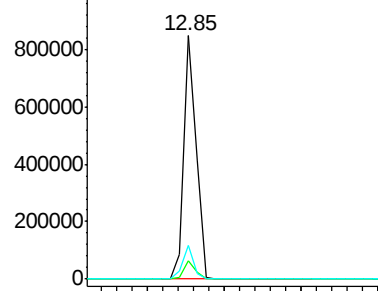
122 14.0 10.2 15.4

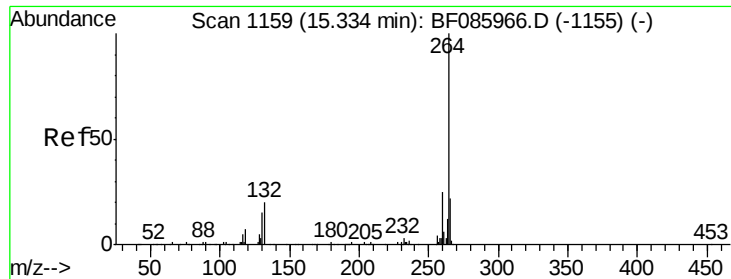


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.31 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF086083.D
Acq: 5 Apr 2016 19:36

Instrument :
BNA_F
ClientSampleId :
51-35-REEDER-DISCHARGE

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	20.6	17.2	25.8

