

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030816\
 Data File : BF085294.D
 Acq On : 9 Mar 2016 9:17
 Operator : UM/SJ
 Sample : H1713-02DL 10X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 09 10:00:55 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

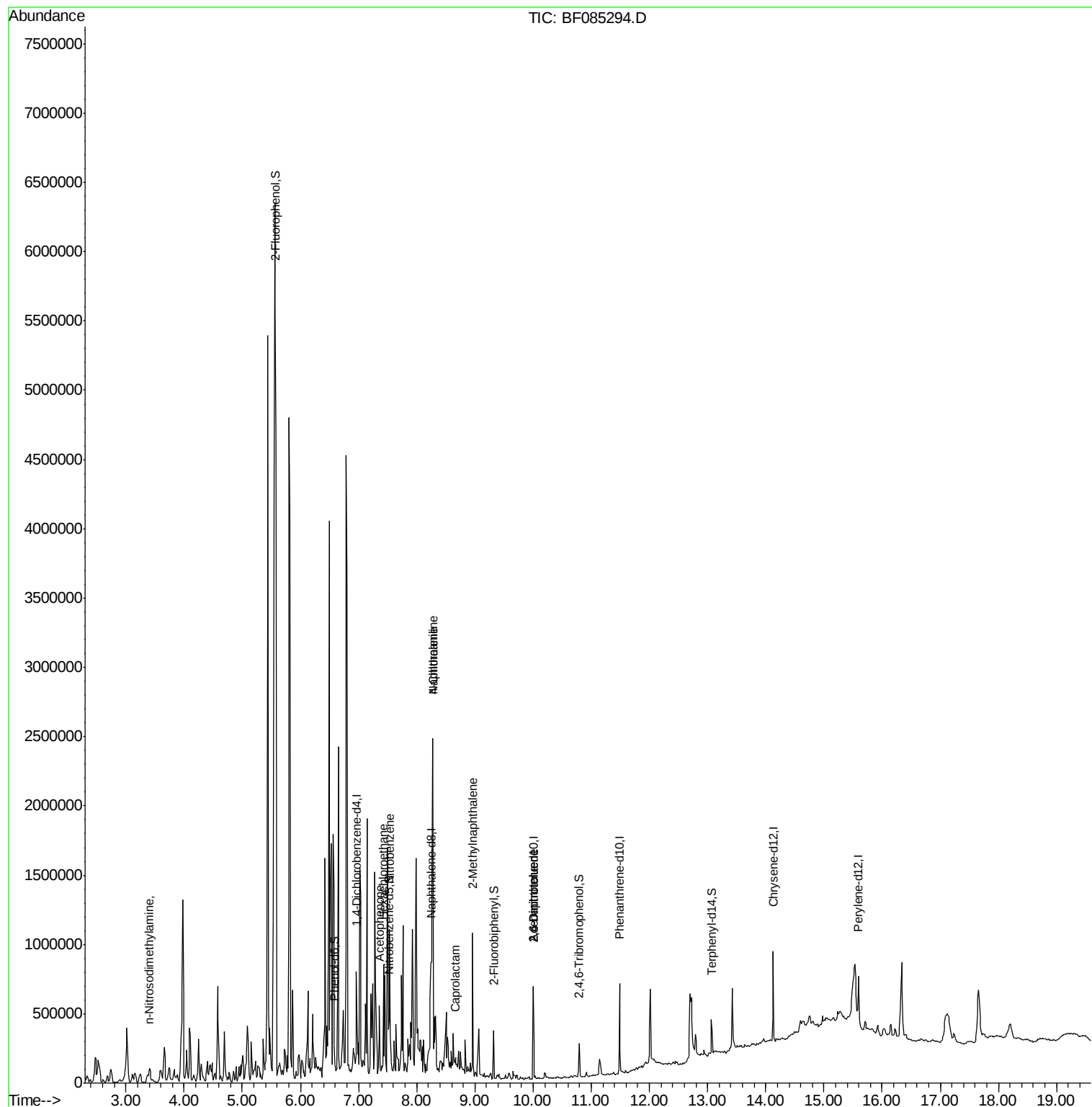
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	101439	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	347221	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	137744	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	232303	20.00	ng	-0.02
75) Chrysene-d12	14.13	240	219648	20.00	ng	-0.02
86) Perylene-d12	15.59	264	189687	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	42524	7.03	ng	-0.01
7) Phenol-d6	6.58	99	48526	6.12	ng	-0.02
23) Nitrobenzene-d5	7.52	82	93942	14.48	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	24049	20.40	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	161357	17.82	ng	-0.02
78) Terphenyl-d14	13.07	244	92348	9.76	ng	-0.02
Target Compounds						
4) n-Nitrosodimethylamine	3.41	42	8678	2.62	ng	# 1
9) Benzaldehyde	6.49	77	260075	Below Cal		# 1
18) Hexachloroethane	7.43	117	41702	14.43	ng	# 1
22) Acetophenone	7.36	105	153759	18.14	ng	# 59
24) Nitrobenzene	7.53	77	15158	2.30	ng	# 6
31) Naphthalene	8.28	128	1096084	64.20	ng	99
33) 4-Chloroaniline	8.28	127	162198	23.49	ng	# 35
35) Caprolactam	8.66	113	3967	2.57	ng	# 1
37) 2-Methylnaphthalene	8.96	142	248757	22.70	ng	98
50) 2,6-Dinitrotoluene	10.00	165	17473	7.73	ng	# 26
56) 2,4-Dinitrotoluene	10.00	165	17474	6.04	ng	# 22

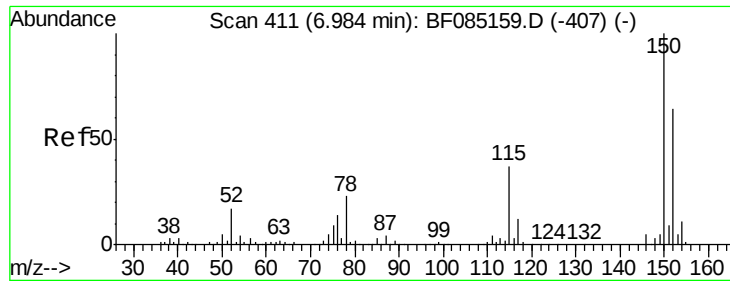
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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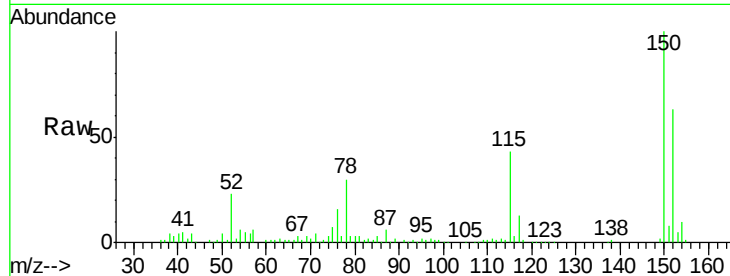


#1

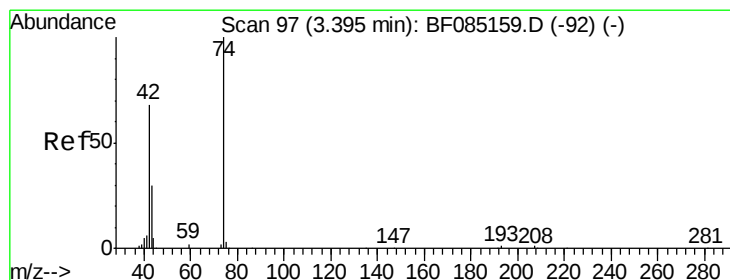
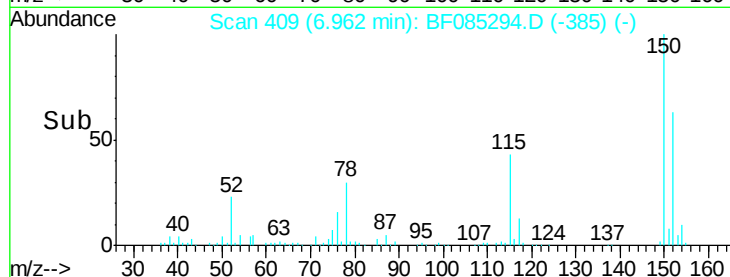
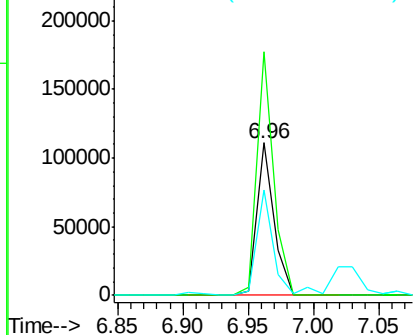
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.96 min Scan# 409
Delta R.T. -0.02 min
Lab File: BF085294.D
Acq: 9 Mar 2016 9:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 101439
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 68.7 46.6 70.0



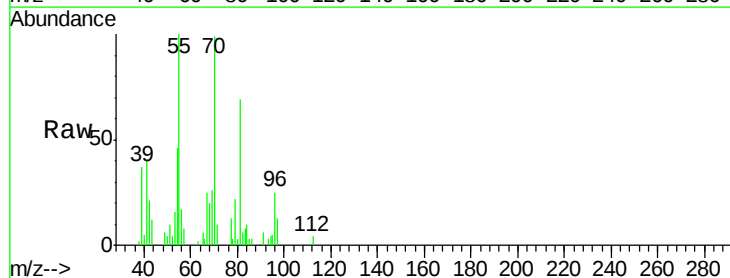
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



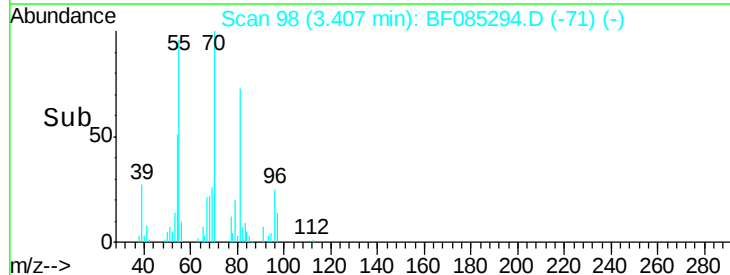
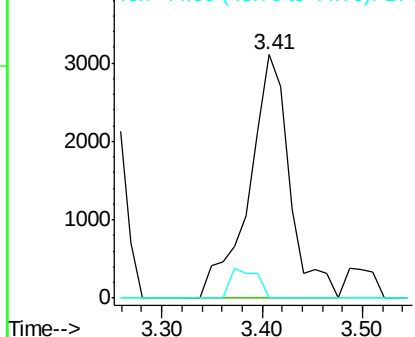
#4

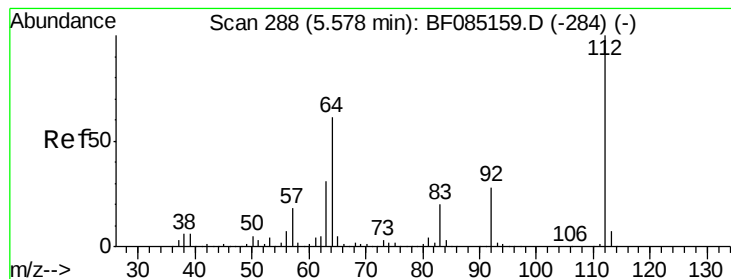
n-Nitrosodimethylamine
Concen: 2.62 ng
RT: 3.41 min Scan# 98
Delta R.T. 0.01 min
Lab File: BF085294.D
Acq: 9 Mar 2016 9:17

Tgt Ion: 42 Resp: 8678
Ion Ratio Lower Upper
42 100
74 0.0 116.8 175.2#
44 0.0 5.5 8.3#



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 7.03 ng

RT: 5.57 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF085294.D

Acq: 9 Mar 2016 9:17

Instrument :

BNA_F

ClientSampleId :

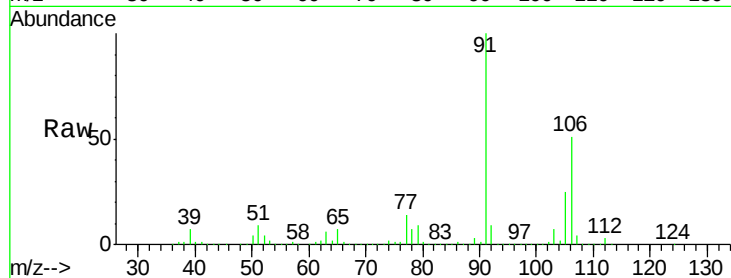
Tot Ion:112 Resp: 42524

Ion Ratio Lower Upper

112 100

64 94.4 49.0 73.4#

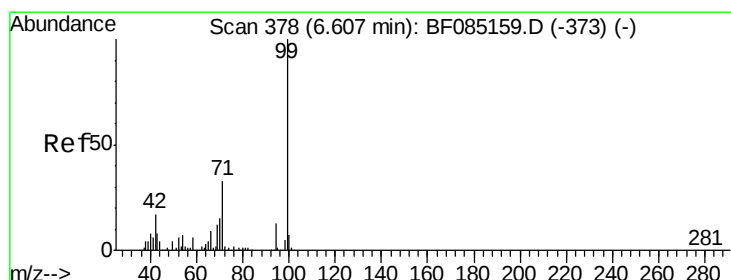
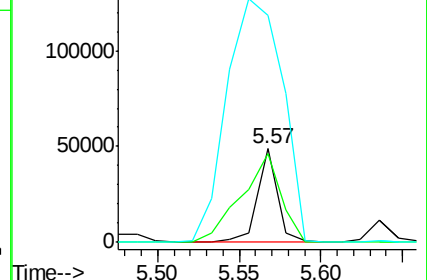
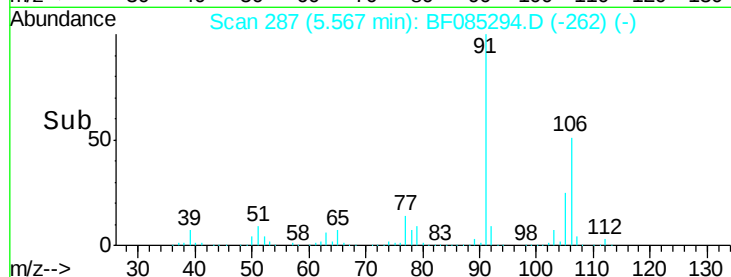
63 241.7 24.8 37.2#



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: 6.12 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085294.D

Acq: 9 Mar 2016 9:17

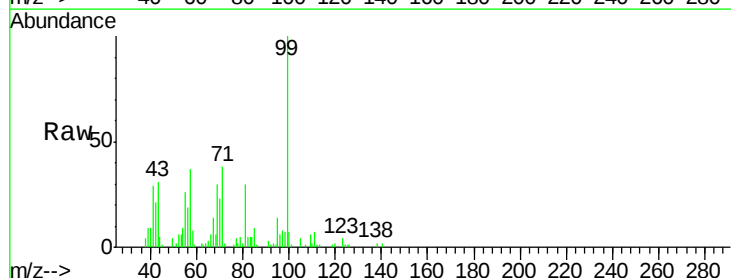
Tgt Ion: 99 Resp: 48526

Ion Ratio Lower Upper

99 100

42 21.1 13.6 20.4#

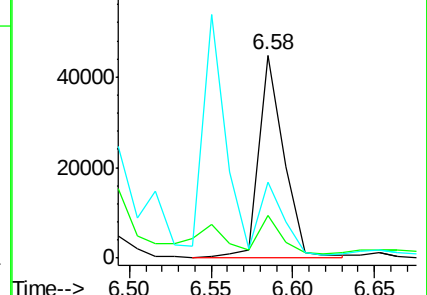
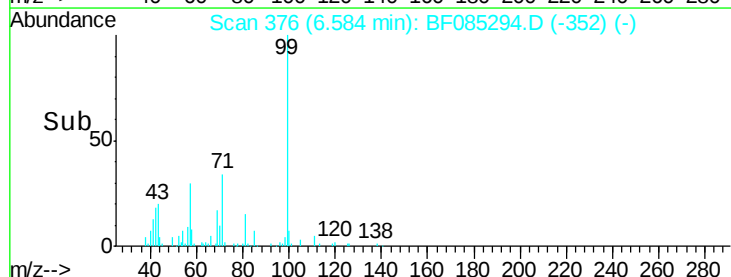
71 37.7 26.7 40.1

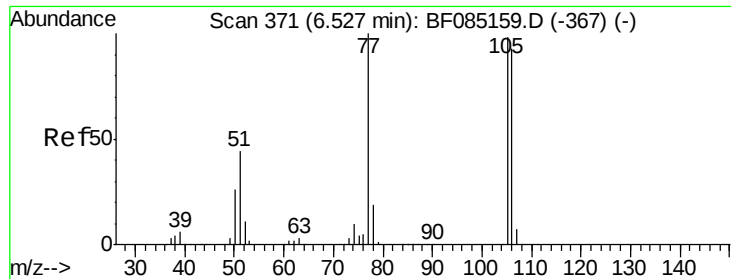


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: Below Cal

RT: 6.49 min Scan# 368

Delta R.T. -0.03 min

Lab File: BF085294.D

Acq: 9 Mar 2016 9:17

Instrument :

BNA_F

ClientSampleId :

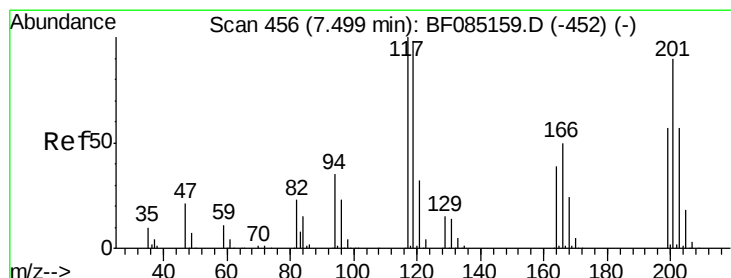
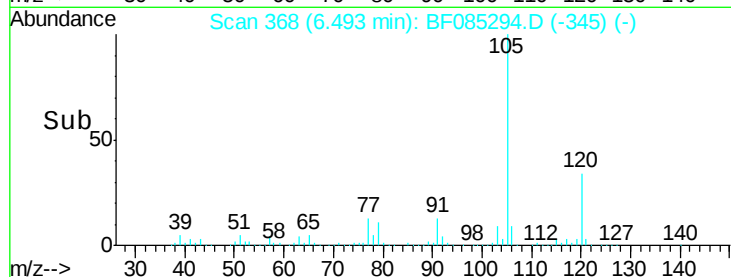
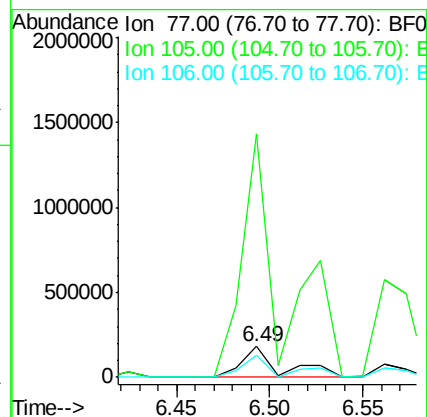
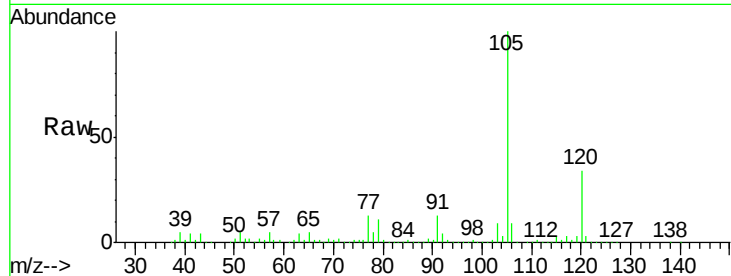
Tot Ion: 77 Resp: 260075

Ion Ratio Lower Upper

77 100

105 786.8 78.2 118.2#

106 72.7 72.9 112.9#



#18

Hexachloroethane

Concen: 14.43 ng

RT: 7.43 min Scan# 450

Delta R.T. -0.07 min

Lab File: BF085294.D

Acq: 9 Mar 2016 9:17

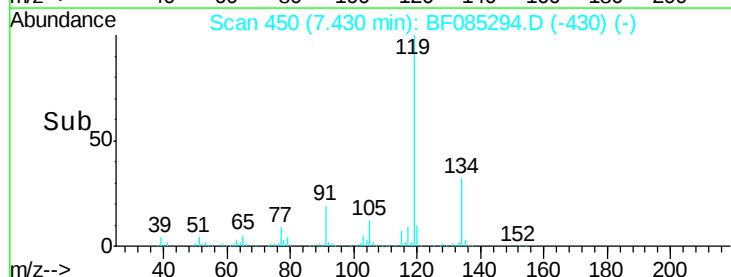
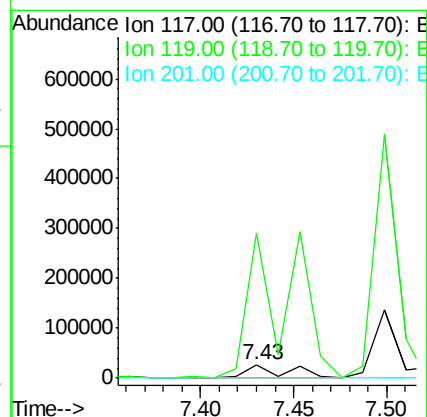
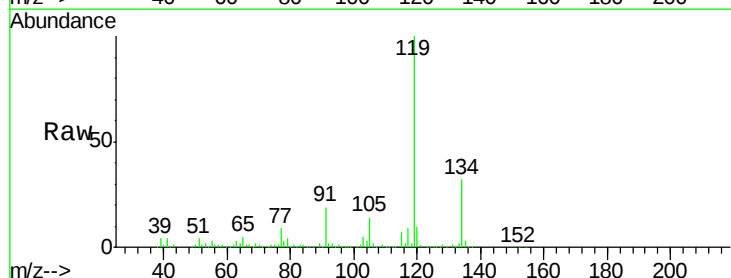
Tgt Ion: 117 Resp: 41702

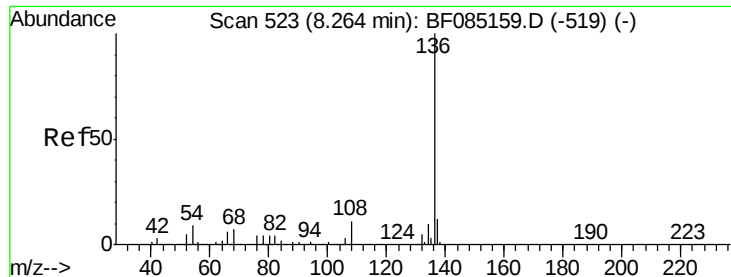
Ion Ratio Lower Upper

117 100

119 1099.6 78.2 117.4#

201 0.0 72.0 108.0#

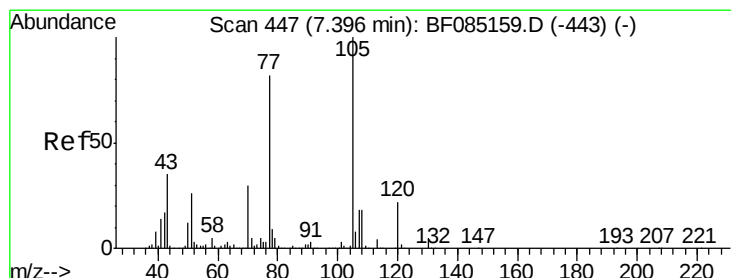
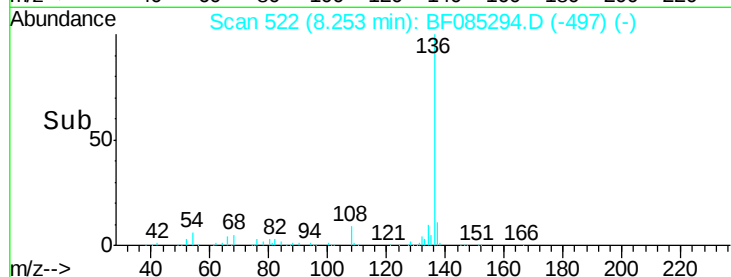
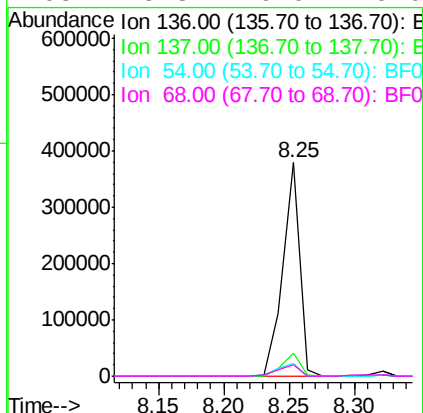
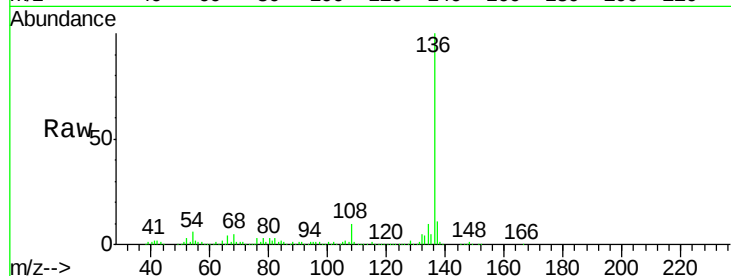




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF085294.D
Acq: 9 Mar 2016 9:17

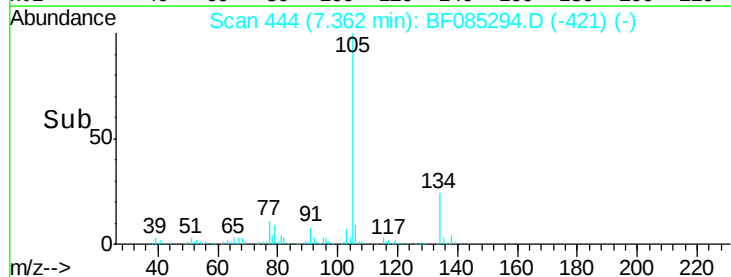
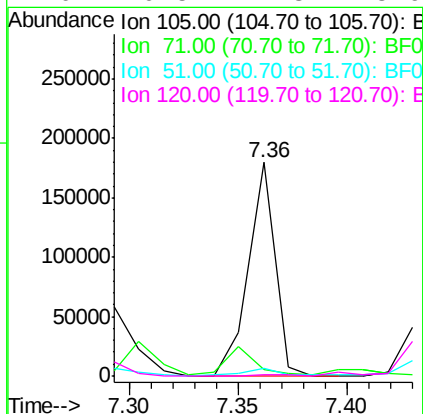
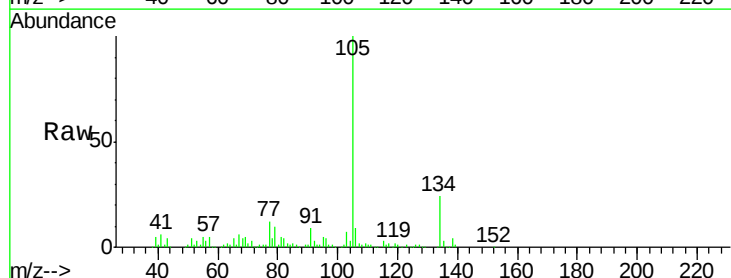
Instrument :
BNA_F
ClientSampled :

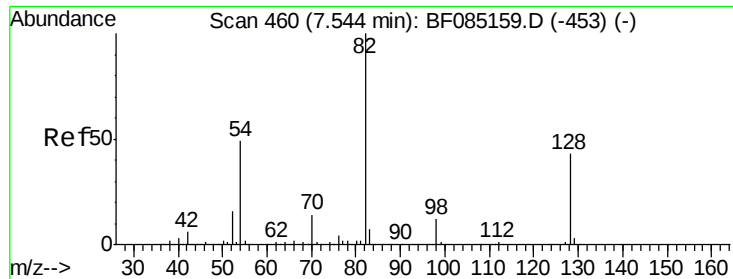
Tot Ion:136	Resp:	347221
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.3 13.9
54	5.8	7.4 11.2#
68	5.3	6.0 9.0#



#22
Acetophenone
Concen: 18.14 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.03 min
Lab File: BF085294.D
Acq: 9 Mar 2016 9:17

Tgt Ion:105	Resp:	153759
Ion Ratio	Lower	Upper
105	100	
71	2.9	4.1 6.1#
51	3.7	21.1 31.7#
120	0.5	17.3 25.9#

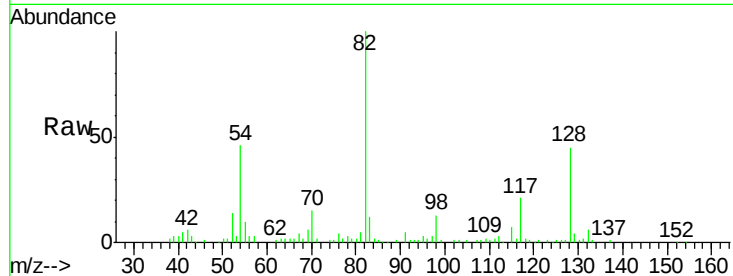




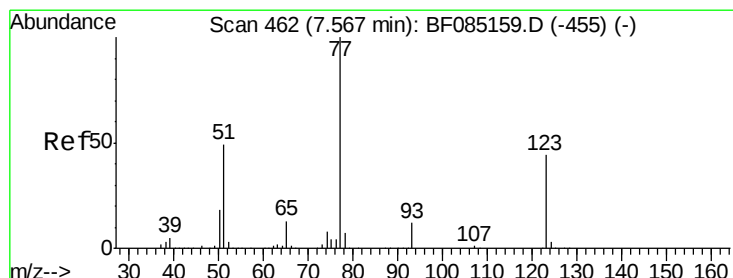
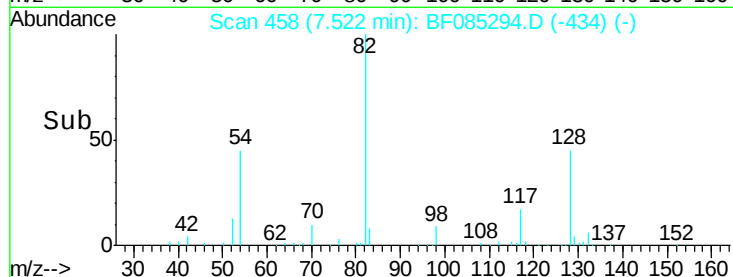
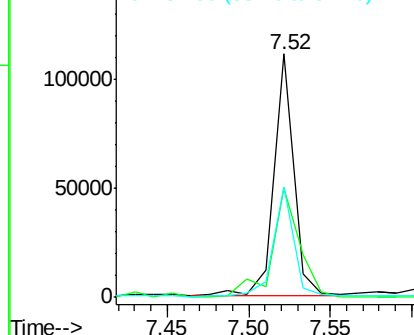
#23
 Nitrobenzene-d5
 Concen: 14.48 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF085294.D
 Acq: 9 Mar 2016 9:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	93942
Ion Ratio	100	Lower	Upper
128	45.0	34.5	51.7
54	45.5	39.3	58.9

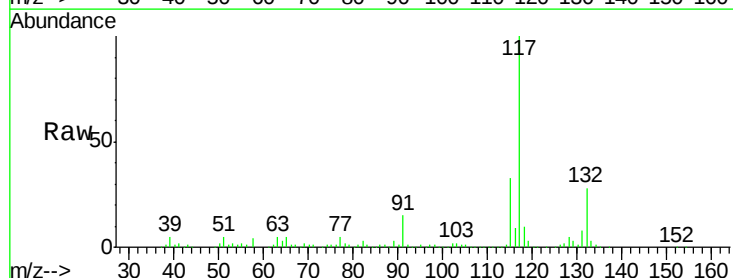


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

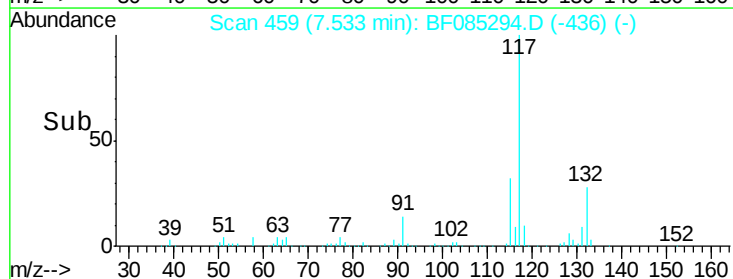
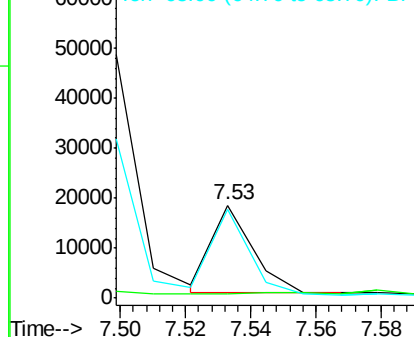


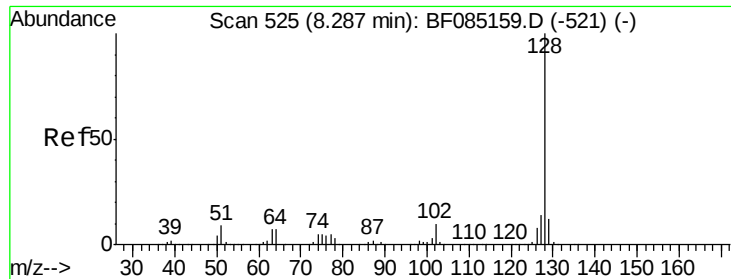
#24
 Nitrobenzene
 Concen: 2.30 ng
 RT: 7.53 min Scan# 459
 Delta R.T. -0.03 min
 Lab File: BF085294.D
 Acq: 9 Mar 2016 9:17

Tgt Ion	77	Resp	15158
Ion Ratio	100	Lower	Upper
123	5.2	35.4	53.2#
65	95.1	10.6	16.0#



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0

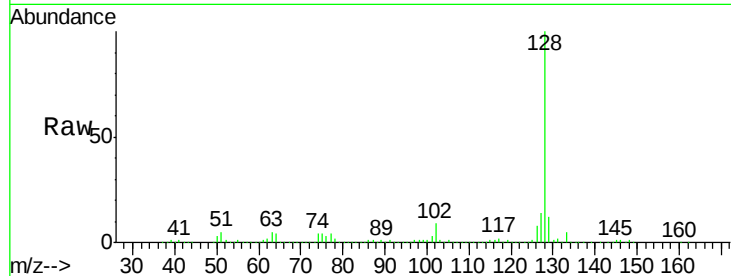




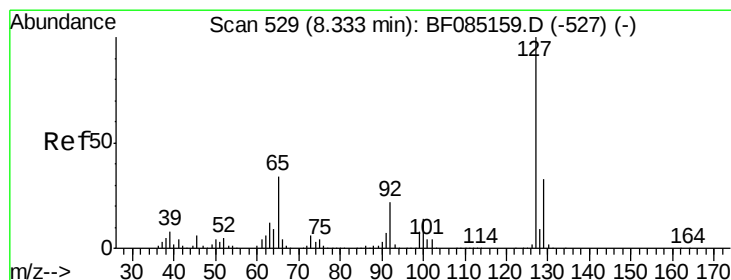
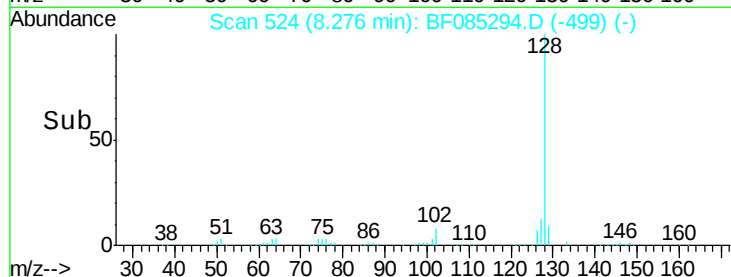
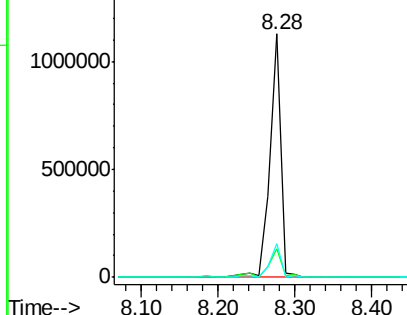
#31
Naphthalene
Concen: 64.20 ng
RT: 8.28 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF085294.D
Acq: 9 Mar 2016 9:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 1096084
Ion Ratio Lower Upper
128 100
129 11.5 9.7 14.5
127 13.7 11.2 16.8

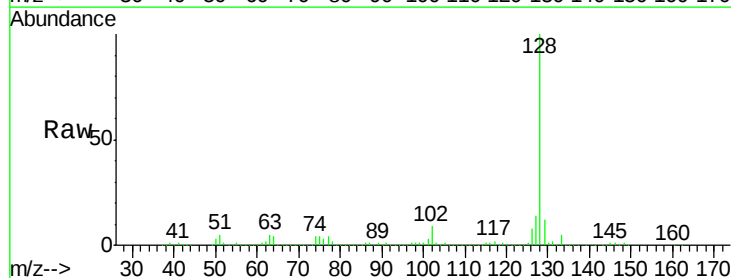


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

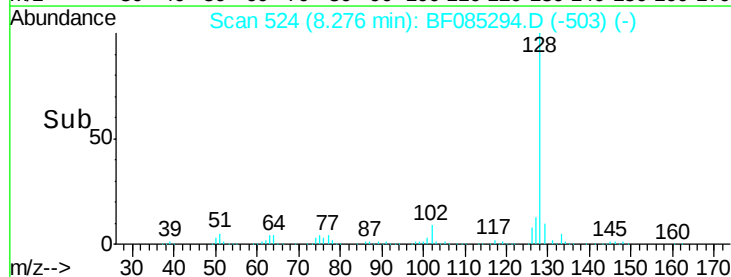
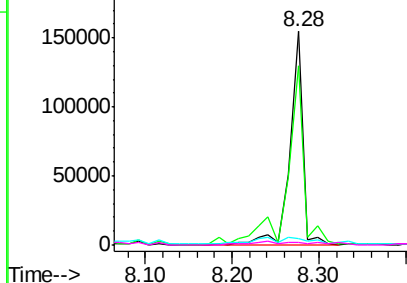


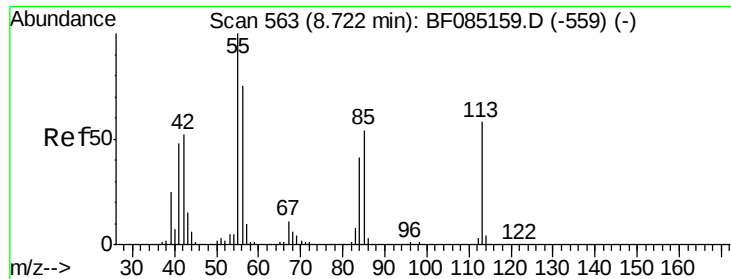
#33
4-Chloroaniline
Concen: 23.49 ng
RT: 8.28 min Scan# 524
Delta R.T. -0.06 min
Lab File: BF085294.D
Acq: 9 Mar 2016 9:17

Tgt Ion:127 Resp: 162198
Ion Ratio Lower Upper
127 100
129 84.0 26.1 39.1#
65 3.2 27.0 40.6#
92 0.9 17.4 26.0#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 2.57 ng

RT: 8.66 min Scan# 558

Delta R.T. -0.06 min

Lab File: BF085294.D

Acq: 9 Mar 2016 9:17

Instrument :

BNA_F

ClientSampleId :

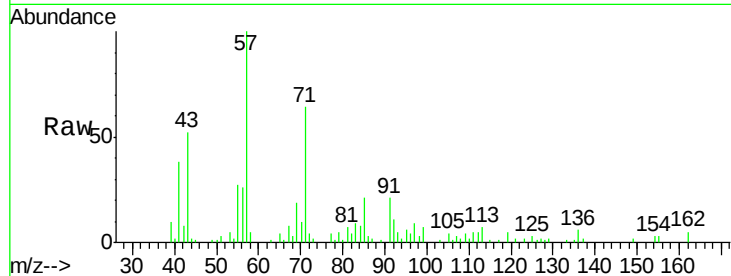
Tot Ion:113 Resp: 3967

Ion Ratio Lower Upper

113 100

55 386.0 152.7 192.7#

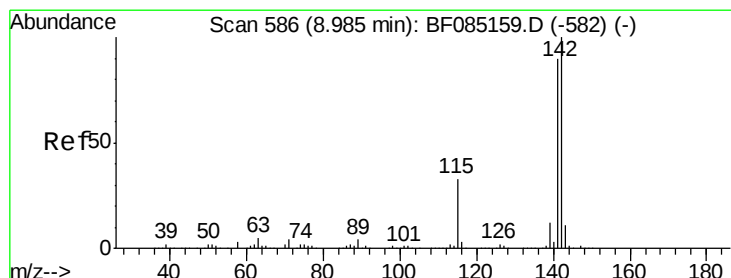
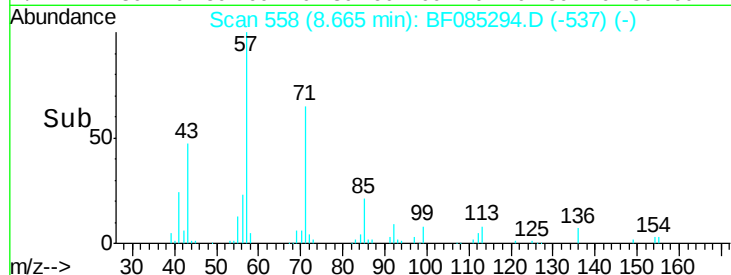
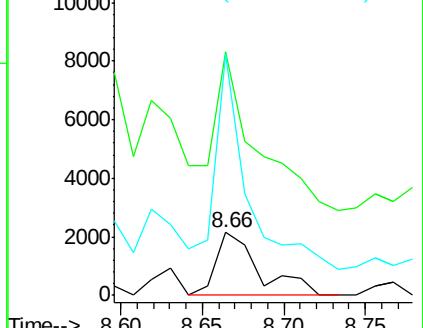
56 382.4 109.0 149.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 22.70 ng

RT: 8.96 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF085294.D

Acq: 9 Mar 2016 9:17

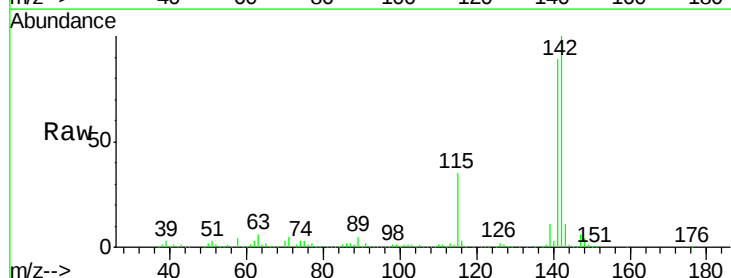
Tgt Ion:142 Resp: 248757

Ion Ratio Lower Upper

142 100

141 88.9 71.7 107.5

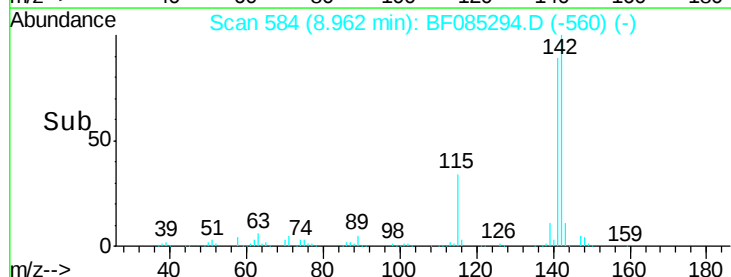
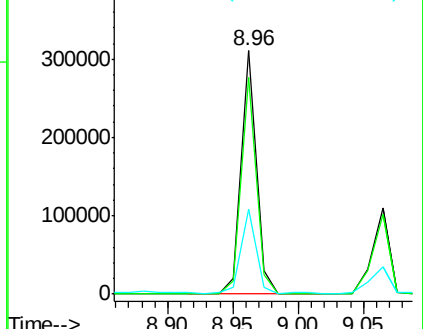
115 35.0 26.2 39.4

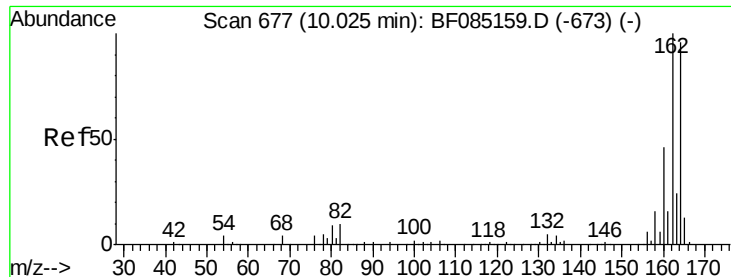


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

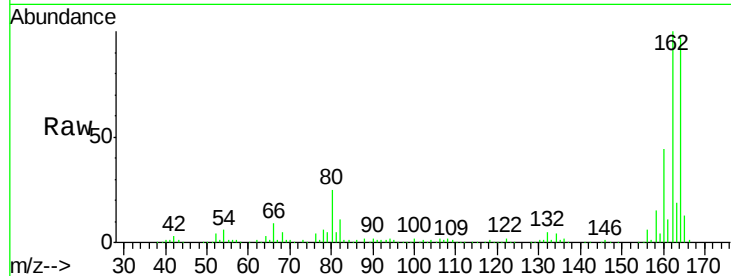




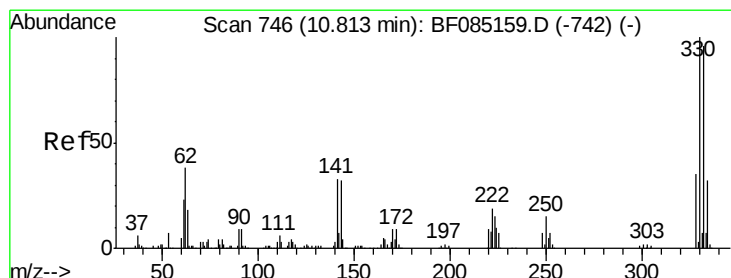
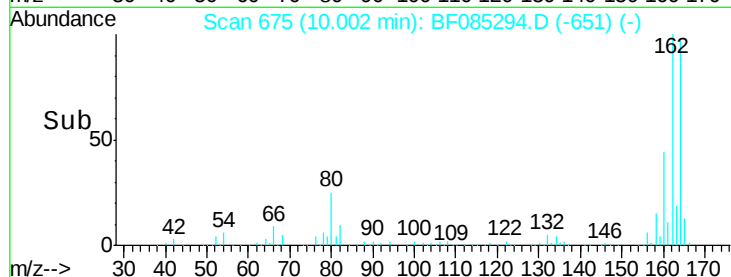
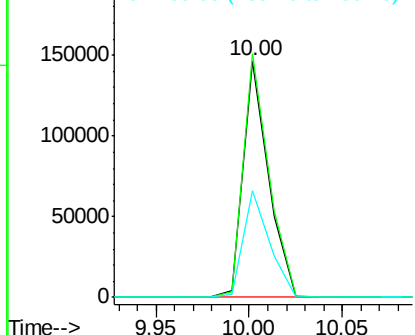
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.00 min Scan# 675
Delta R.T. -0.02 min
Lab File: BF085294.D
Acq: 9 Mar 2016 9:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 137744
Ion Ratio Lower Upper
164 100
162 103.2 83.3 124.9
160 45.2 37.9 56.9

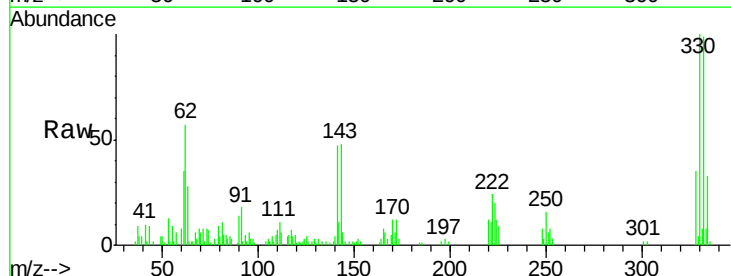


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

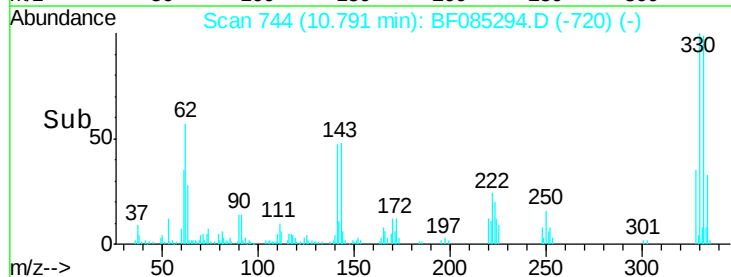
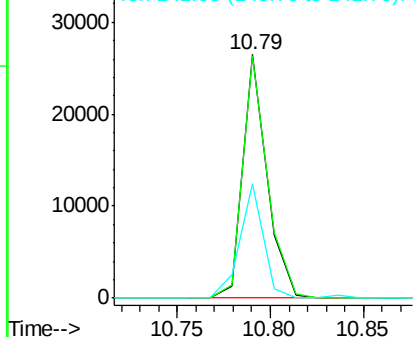


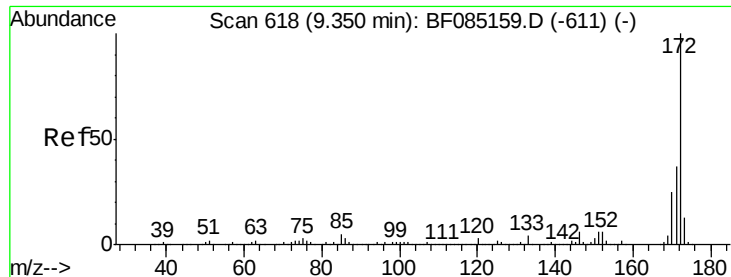
#41
2,4,6-Tribromophenol
Concen: 20.40 ng
RT: 10.79 min Scan# 744
Delta R.T. -0.02 min
Lab File: BF085294.D
Acq: 9 Mar 2016 9:17

Tgt Ion:330 Resp: 24049
Ion Ratio Lower Upper
330 100
332 100.6 77.1 115.7
141 45.4 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

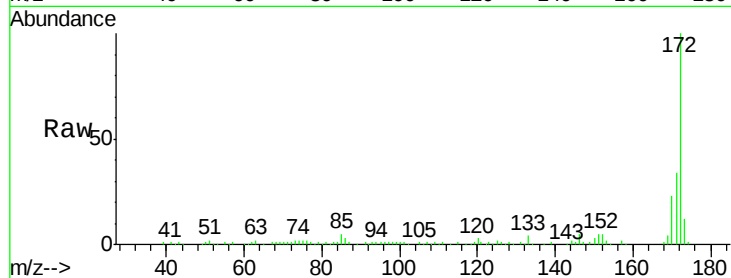




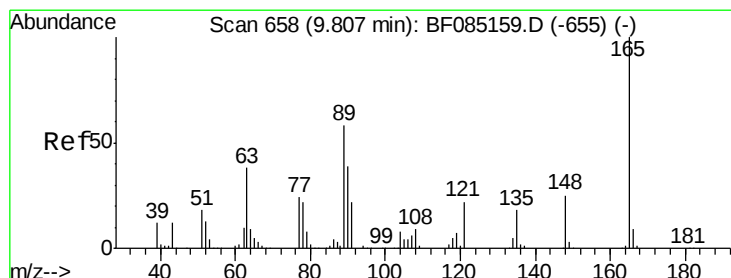
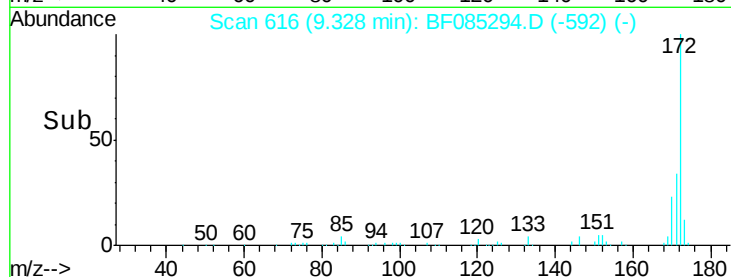
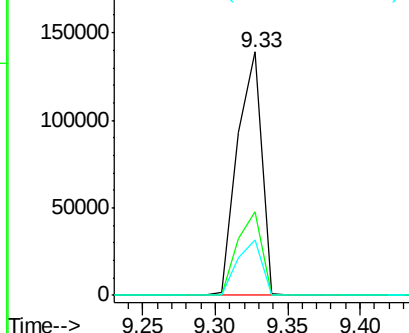
#44
2-Fluorobiphenyl
Concen: 17.82 ng
RT: 9.33 min Scan# 616
Delta R.T. -0.02 min
Lab File: BF085294.D
Acq: 9 Mar 2016 9:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 161357
Ion Ratio Lower Upper
172 100
171 34.4 29.3 43.9
170 22.7 20.0 30.0

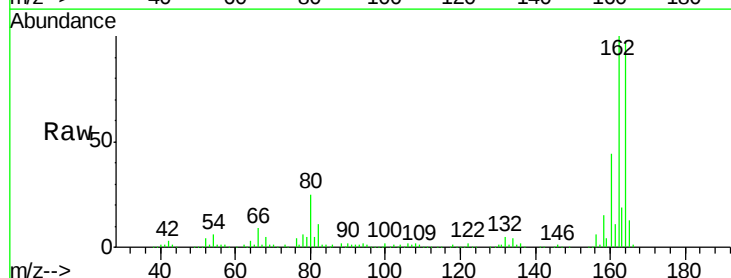


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

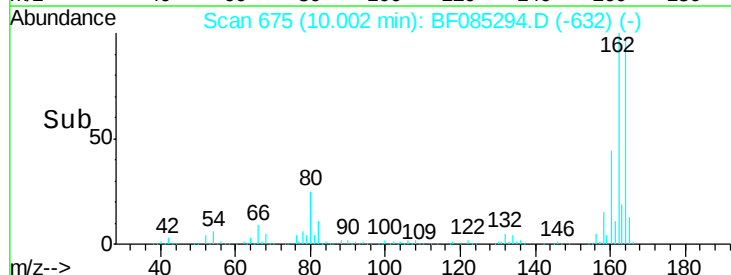
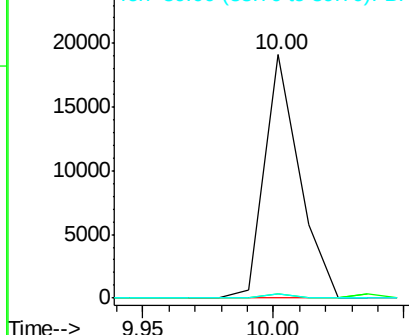


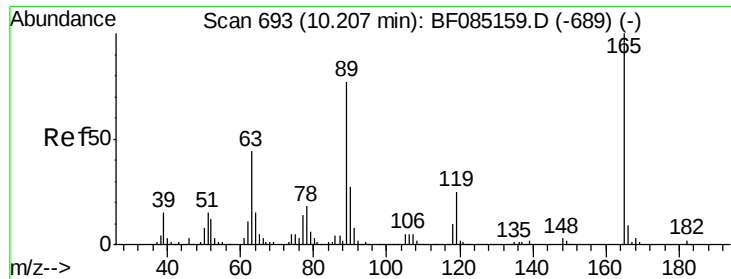
#50
2,6-Dinitrotoluene
Concen: 7.73 ng
RT: 10.00 min Scan# 675
Delta R.T. 0.19 min
Lab File: BF085294.D
Acq: 9 Mar 2016 9:17

Tgt Ion:165 Resp: 17473
Ion Ratio Lower Upper
165 100
63 1.7 41.8 62.8#
89 2.0 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

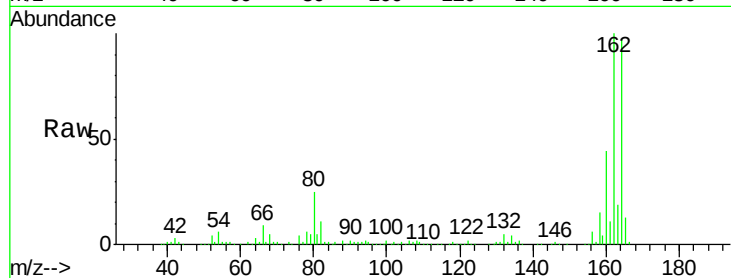




#56
 2,4-Dinitrotoluene
 Concen: 6.04 ng
 RT: 10.00 min Scan# 675
 Delta R.T. -0.21 min
 Lab File: BF085294.D
 Acq: 9 Mar 2016 9:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	35.4	53.0#
89	2.0	61.9	92.9#
182	0.0	1.9	2.9#

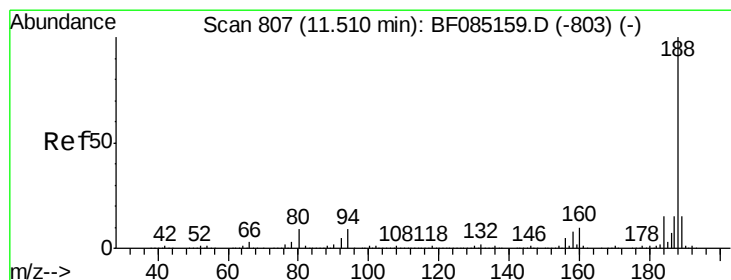
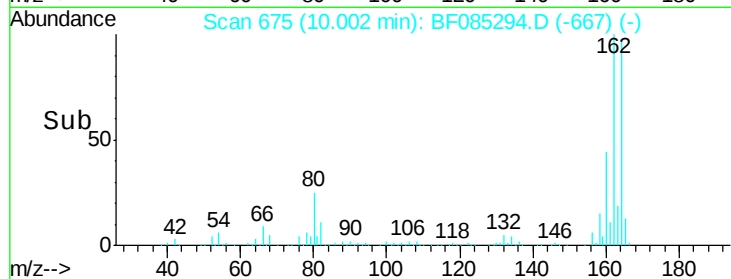
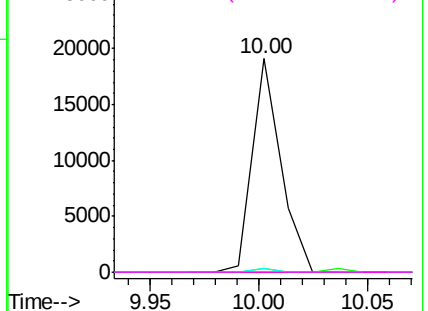


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

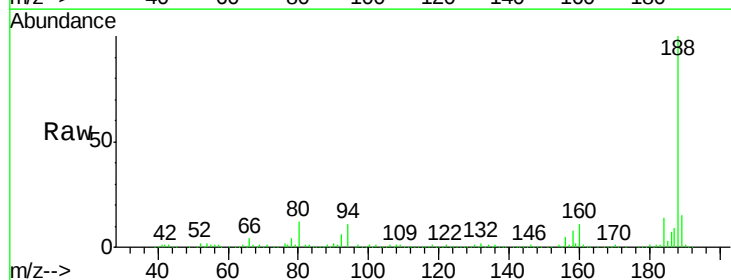
Ion 89.00 (88.70 to 89.70): BF0

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: BF085294.D
 Acq: 9 Mar 2016 9:17

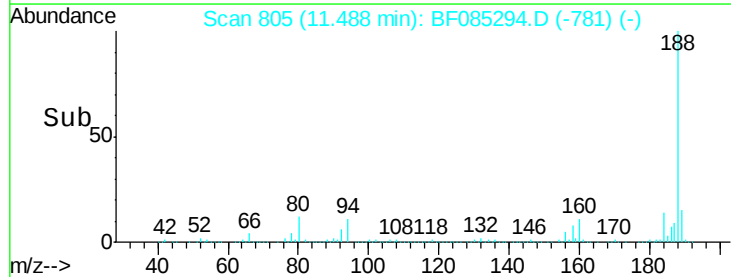
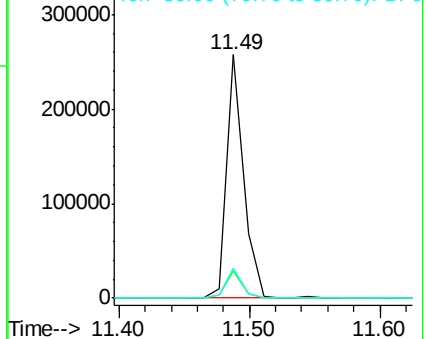
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	7.0	10.6#
80	12.4	7.4	11.0#

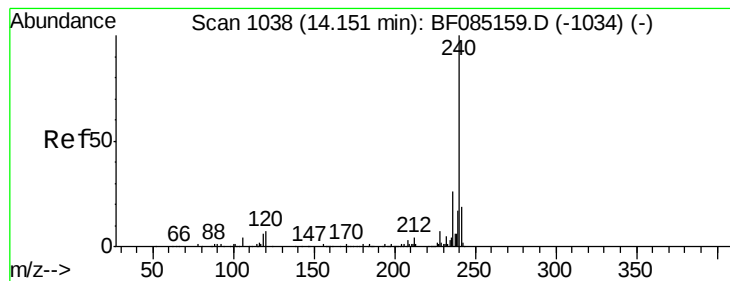


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.13 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF085294.D

Acq: 9 Mar 2016 9:17

Instrument :

BNA_F

ClientSampleId :

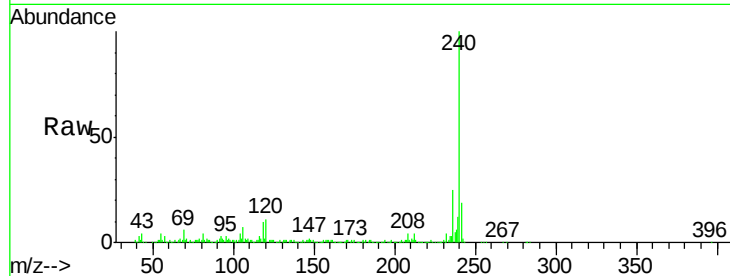
Tot Ion:240 Resp: 219648

Ion Ratio Lower Upper

240 100

120 10.8 5.3 7.9#

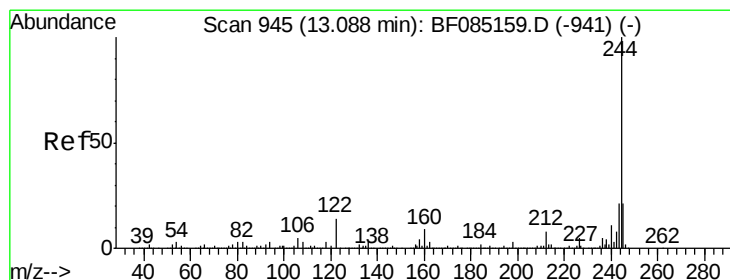
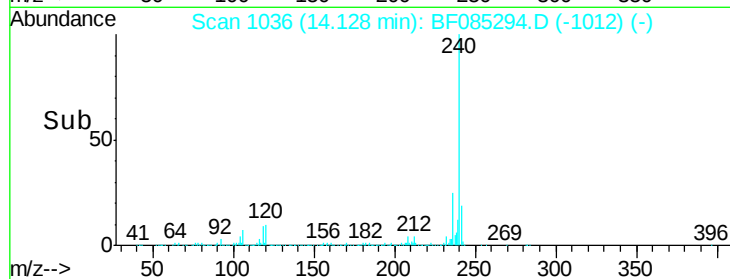
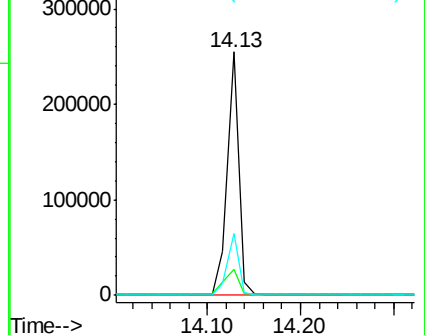
236 25.2 20.7 31.1



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: 9.76 ng

RT: 13.07 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF085294.D

Acq: 9 Mar 2016 9:17

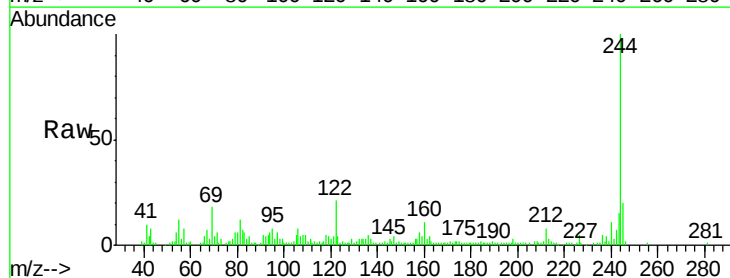
Tgt Ion:244 Resp: 92348

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

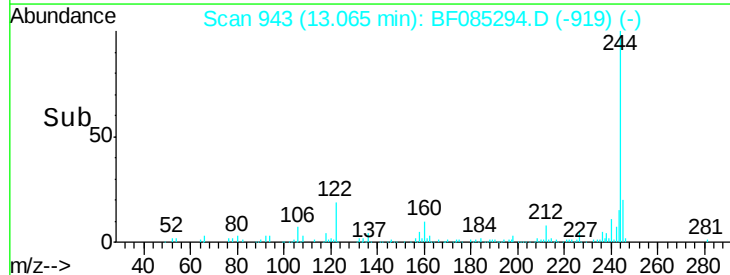
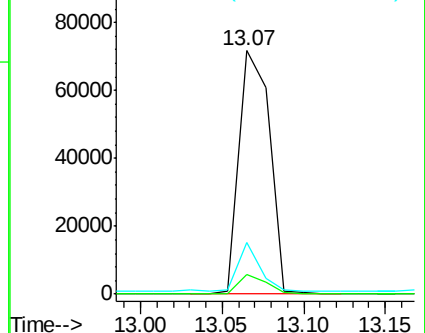
122 21.0 11.4 17.2#

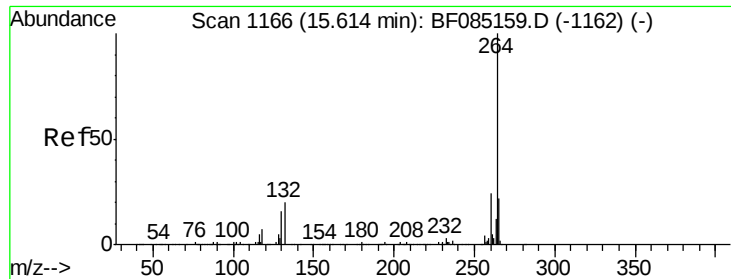


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

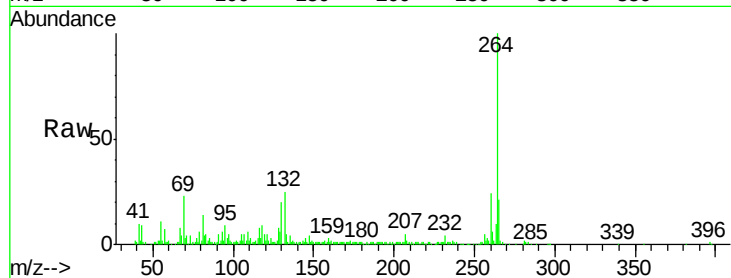




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF085294.D
Acq: 9 Mar 2016 9:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	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

