

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
 Data File : BF089204.D
 Acq On : 22 Jul 2016 20:51
 Operator : UM/SJ
 Sample : PB92343BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

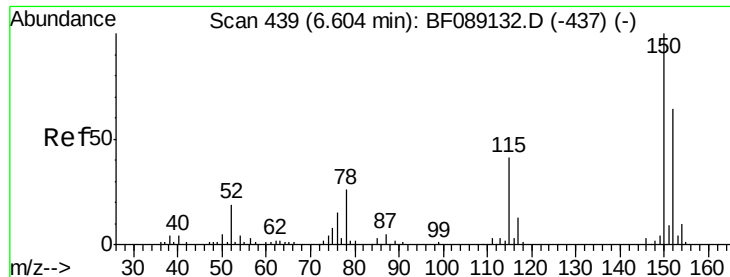
Instrument :
 BNA_F
 ClientSampleId :
 PB92343BL

Quant Time: Jul 25 00:54:19 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	46728	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	201247	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	99841	20.00	ng	-0.02
63) Phenanthrene-d10	11.08	188	206681	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	158827	20.00	ng	-0.02
86) Perylene-d12	15.05	264	122140	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	372017	121.08	ng	-0.02
7) Phenol-d6	6.24	99	531639	134.18	ng	-0.03
23) Nitrobenzene-d5	7.15	82	335437	88.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	112485	125.14	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	633038	87.36	ng	-0.02
78) Terphenyl-d14	12.67	244	599023	81.80	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.35	77	9525	3.41	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	7.15	70	43542	16.80	ng	# 77
50) 2,6-Dinitrotoluene	9.61	165	11890	6.87	ng	# 28
56) 2,4-Dinitrotoluene	9.61	165	11890	5.34	ng	# 10
66) 4-Bromophenyl-phenylether	10.40	248	9034	4.42	ng	# 1

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

```
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ALS Vial  : 8      Sample Multiplier: 1
```

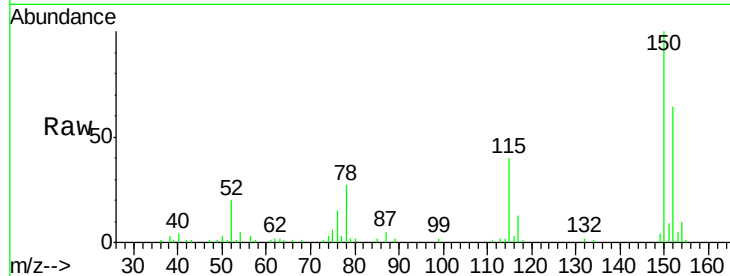


#1

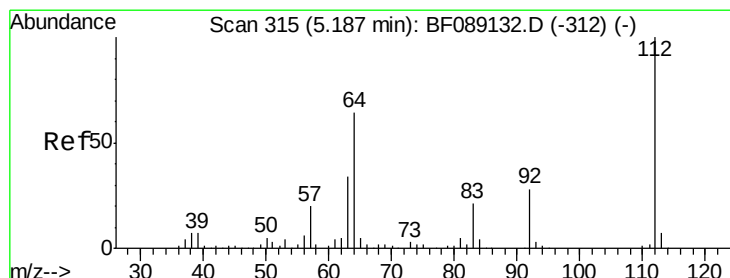
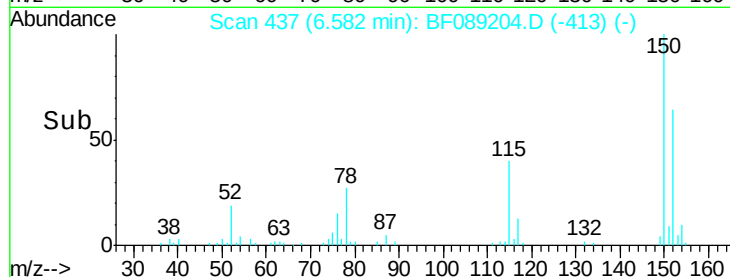
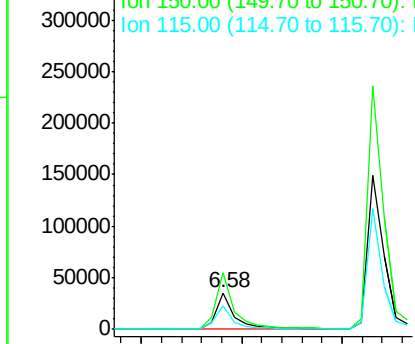
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF089204.D
Acq: 22 Jul 2016 20:51

Instrument :
BNA_F
ClientSampleId :
PB92343BL

Tgt Ion:152 Resp: 46728
Ion Ratio Lower Upper
152 100
150 155.7 125.1 187.7
115 62.6 51.1 76.7



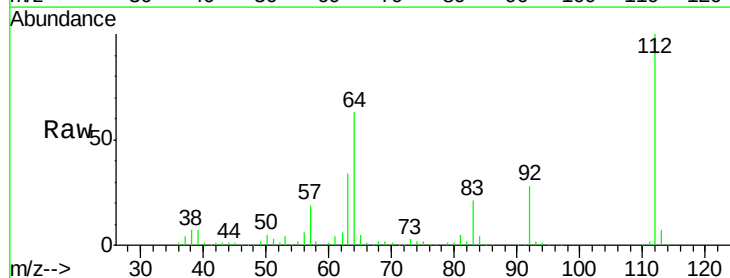
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



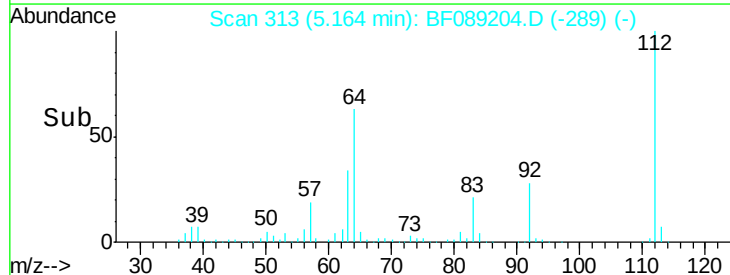
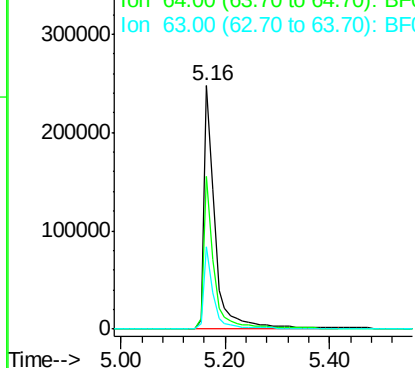
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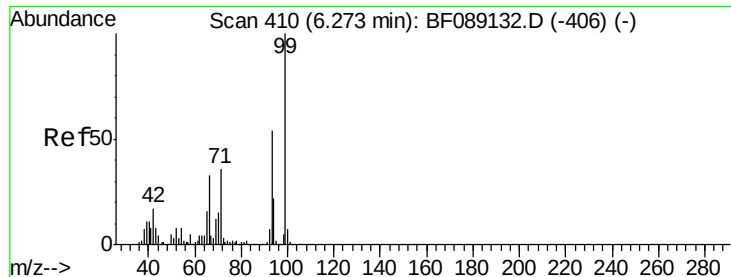
2-Fluorophenol
Concen: 121.08 ng
RT: 5.16 min Scan# 313
Delta R.T. -0.02 min
Lab File: BF089204.D
Acq: 22 Jul 2016 20:51

Tgt Ion:112 Resp: 372017
Ion Ratio Lower Upper
112 100
64 62.5 51.0 76.4
63 33.6 27.3 40.9



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: 134.18 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF089204.D

Acq: 22 Jul 2016 20:51

Instrument :

BNA_F

ClientSampleId :

PB92343BL

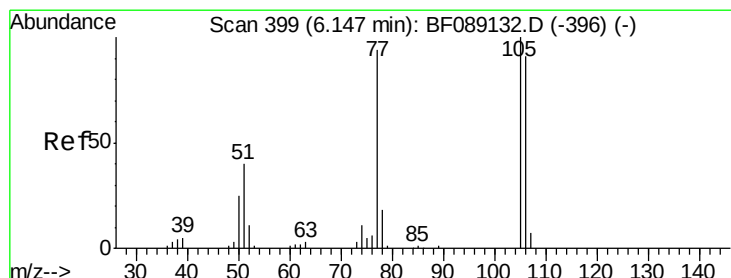
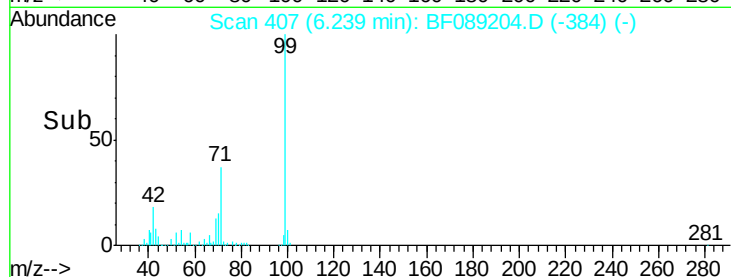
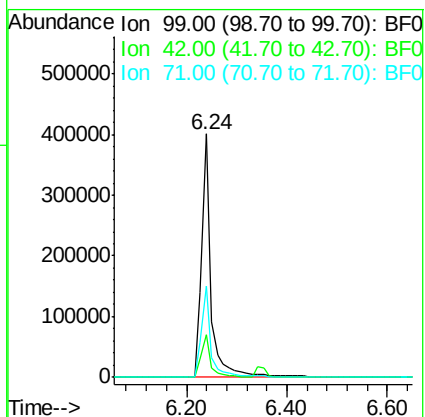
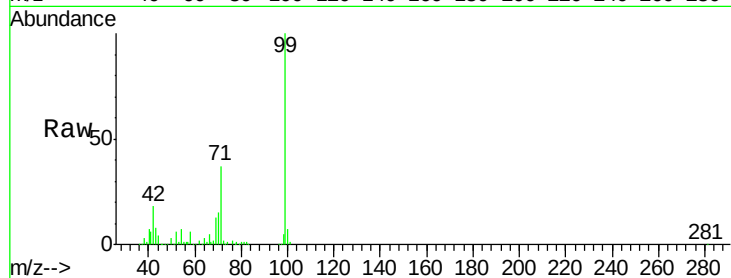
Tgt Ion: 99 Resp: 531639

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

71 37.5 28.9 43.3



#9

Benzaldehyde

Concen: 3.41 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.21 min

Lab File: BF089204.D

Acq: 22 Jul 2016 20:51

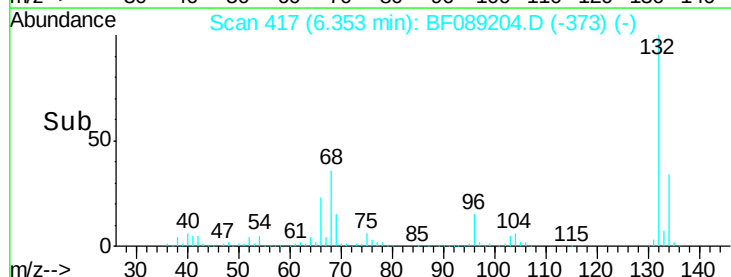
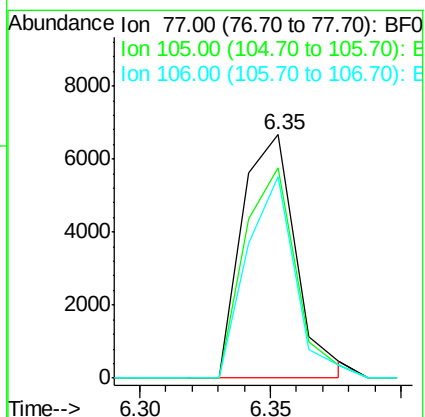
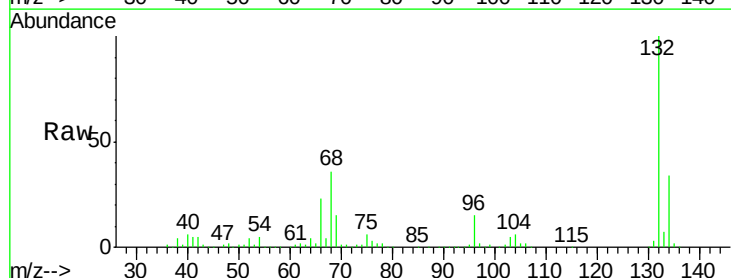
Tgt Ion: 77 Resp: 9525

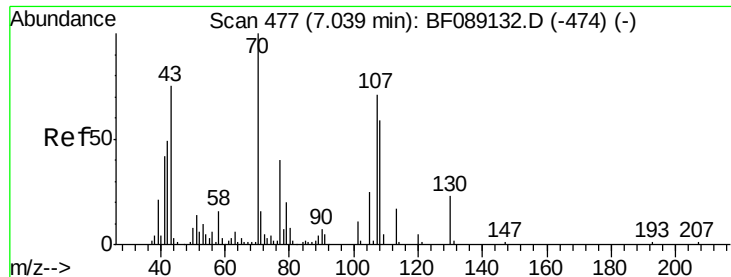
Ion Ratio Lower Upper

77 100

105 86.4 86.2 126.2

106 82.5 76.3 116.3

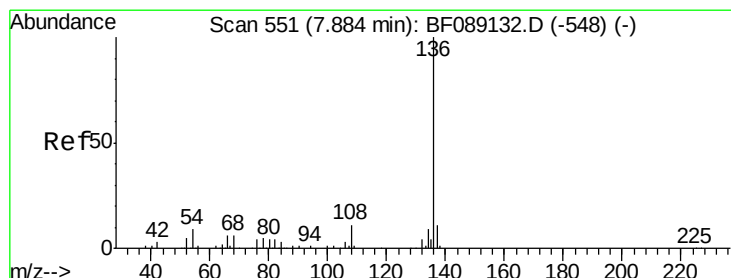
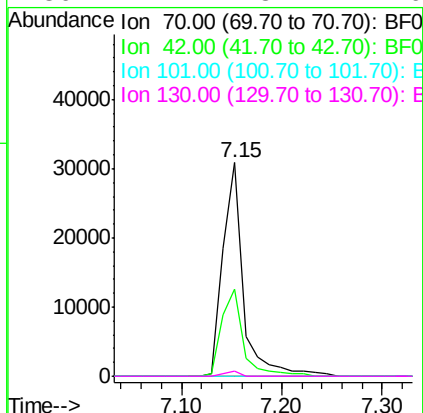
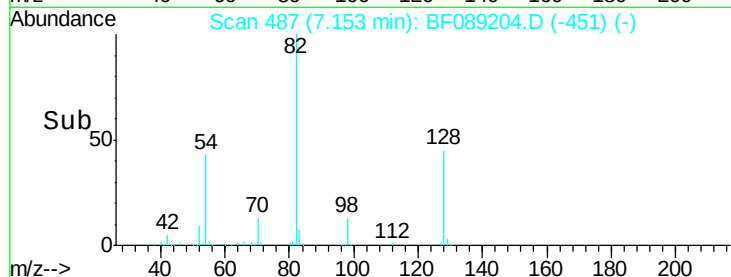
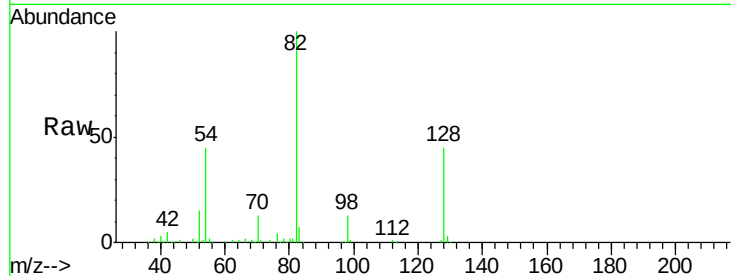




#19
n-Nitroso-di-n-propylamine
Concen: 16.80 ng
RT: 7.15 min Scan# 487
Delta R.T. 0.11 min
Lab File: BF089204.D
Acq: 22 Jul 2016 20:51

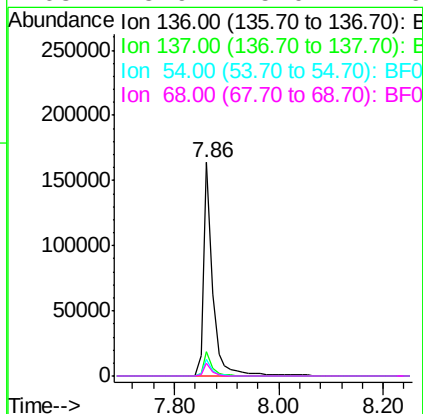
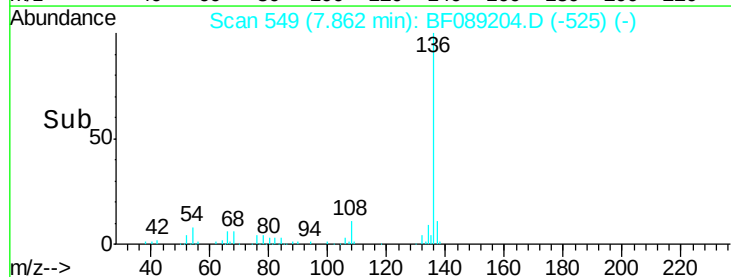
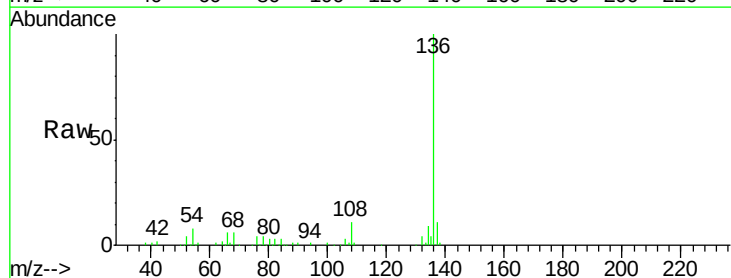
Instrument :
BNA_F
ClientSampleId :
PB92343BL

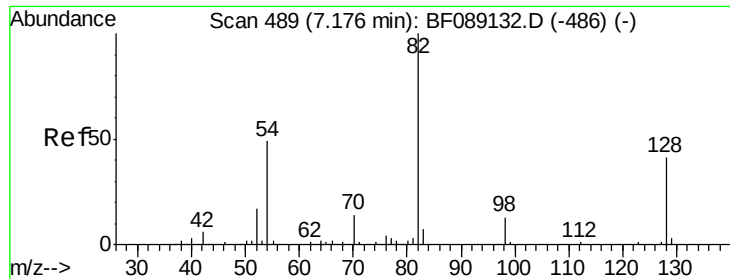
Tgt Ion: 70 Resp: 43542
Ion Ratio Lower Upper
70 100
42 40.9 39.2 58.8
101 0.0 8.5 12.7#
130 2.2 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.02 min
Lab File: BF089204.D
Acq: 22 Jul 2016 20:51

Tgt Ion: 136 Resp: 201247
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.8 7.0 10.4
68 5.9 5.0 7.6

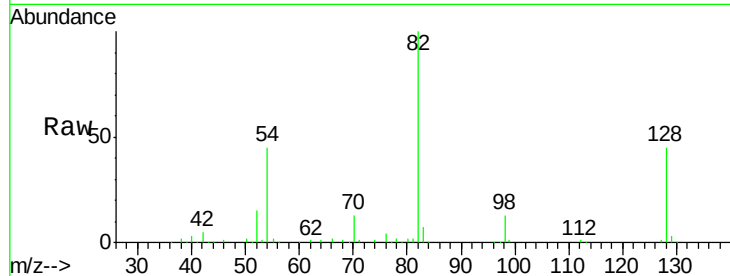




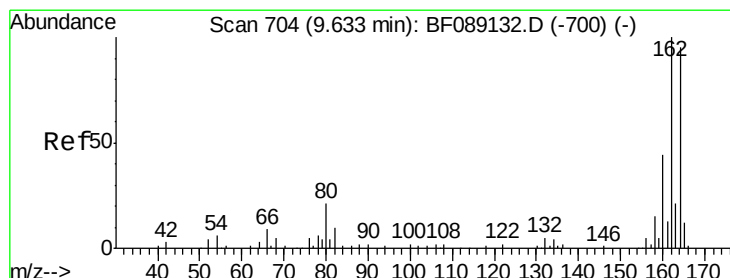
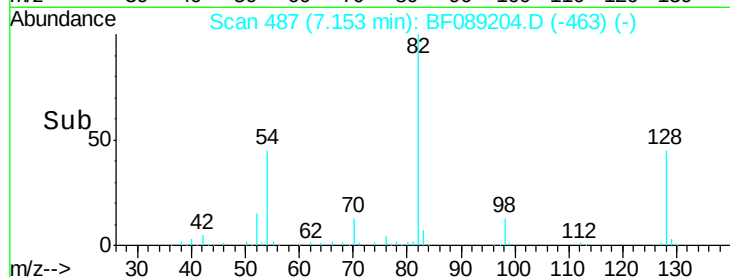
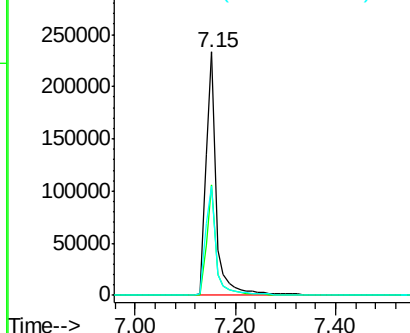
#23
 Nitrobenzene-d5
 Concen: 88.56 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: BF089204.D
 Acq: 22 Jul 2016 20:51

Instrument :
 BNA_F
 ClientSampleId :
 PB92343BL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.2	33.0	49.6
54	44.7	39.0	58.4

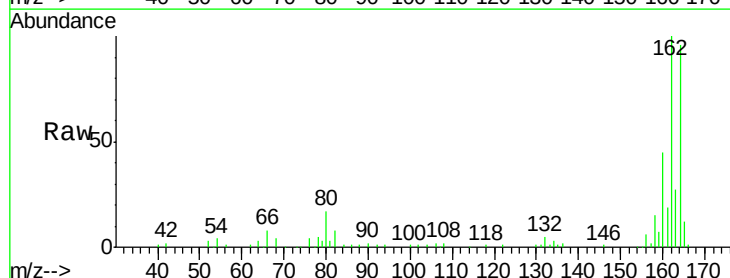


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

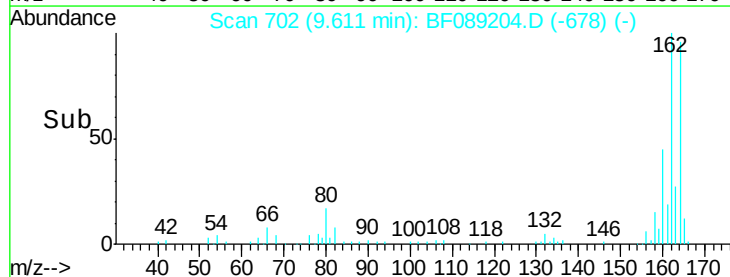
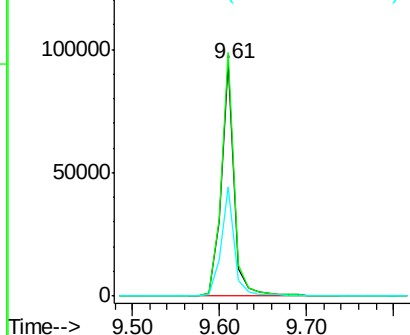


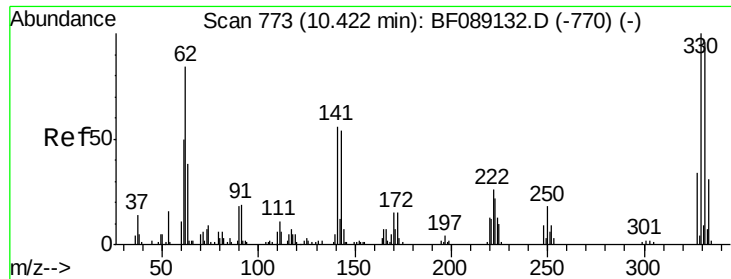
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: BF089204.D
 Acq: 22 Jul 2016 20:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	84.1	126.1
160	47.1	37.1	55.7



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

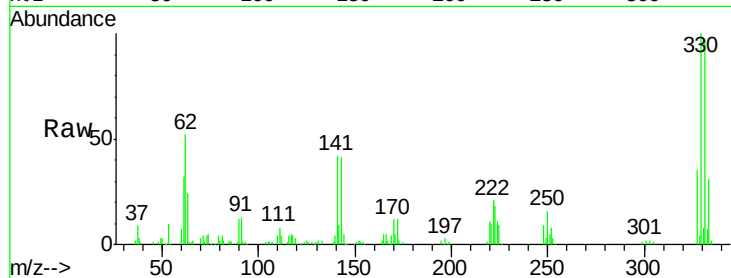




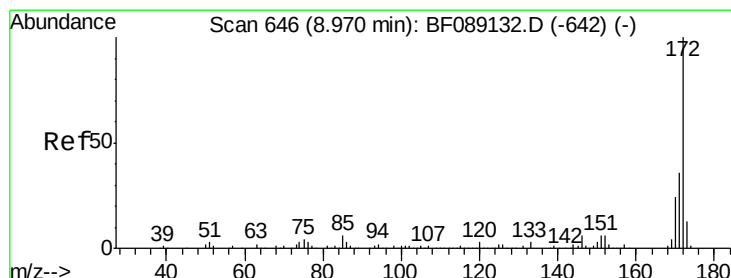
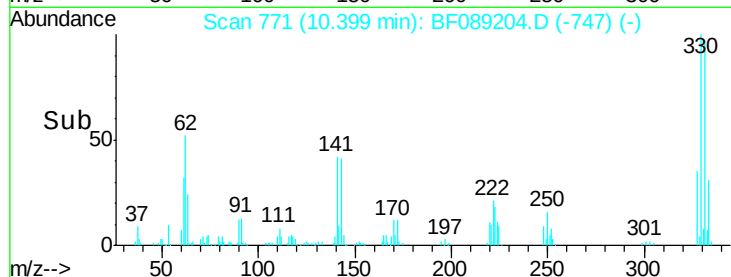
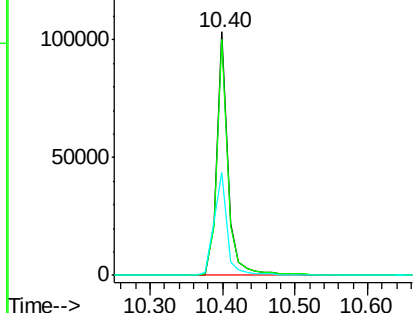
#41
 2,4,6-Tribromophenol
 Concen: 125.14 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BF089204.D
 Acq: 22 Jul 2016 20:51

Instrument :
 BNA_F
 ClientSampleId :
 PB92343BL

Tgt Ion:330 Resp: 112485
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.2 115.8
 141 49.0 42.2 63.2

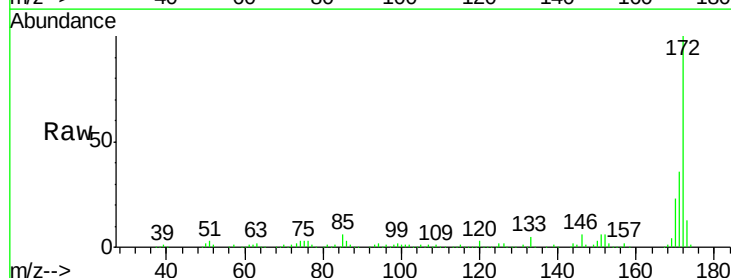


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

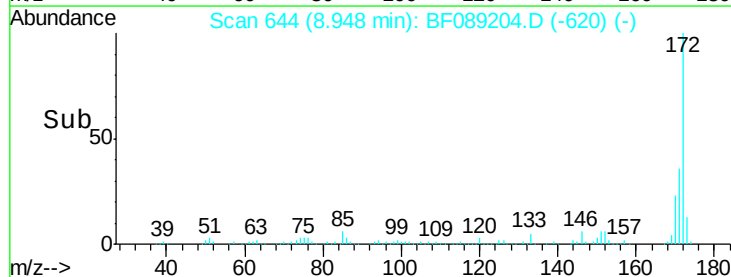
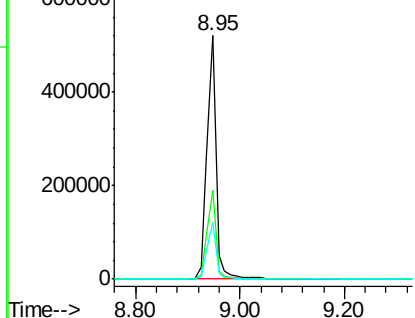


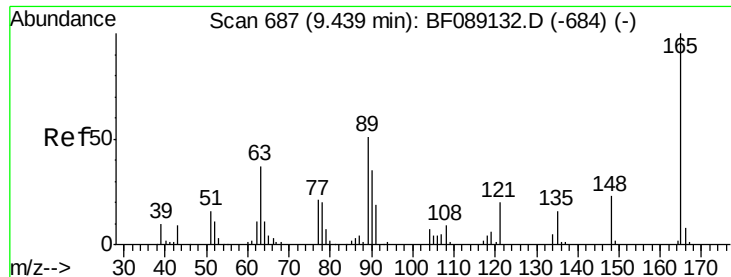
#44
 2-Fluorobiphenyl
 Concen: 87.36 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089204.D
 Acq: 22 Jul 2016 20:51

Tgt Ion:172 Resp: 633038
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.2 43.8
 170 23.5 19.1 28.7



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

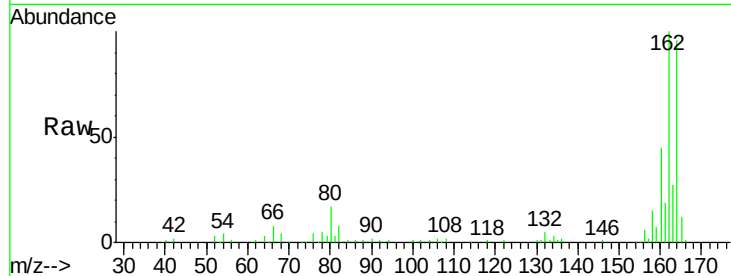




#50
 2,6-Dinitrotoluene
 Concen: 6.87 ng
 RT: 9.61 min Scan# 702
 Delta R.T. 0.17 min
 Lab File: BF089204.D
 Acq: 22 Jul 2016 20:51

Instrument :
 BNA_F
 ClientSampleId :
 PB92343BL

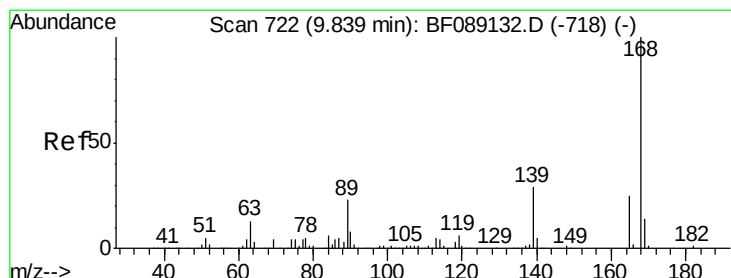
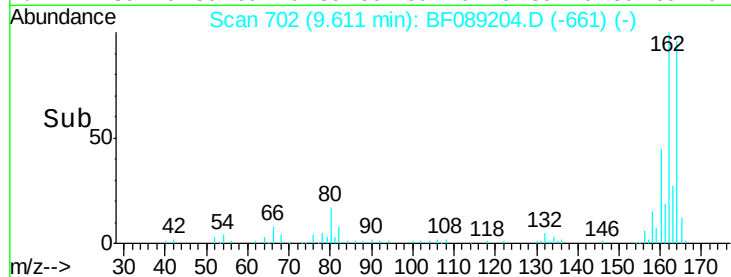
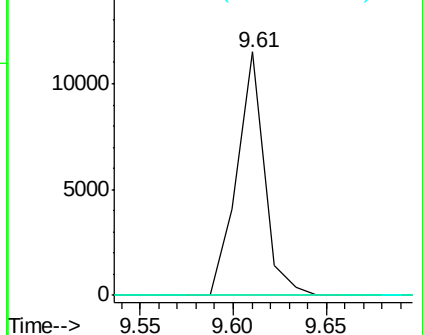
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.0	55.4#
89	0.0	40.9	61.3#



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: 5.34 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.23 min
 Lab File: BF089204.D
 Acq: 22 Jul 2016 20:51

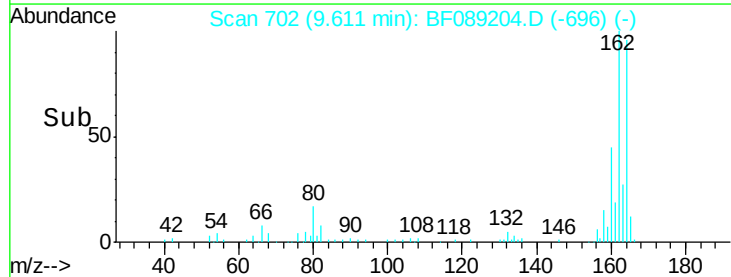
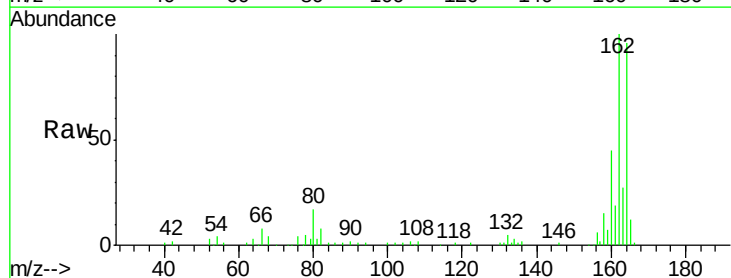
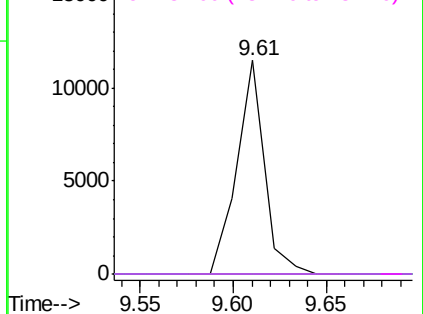
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	55.4	83.2#
89	0.0	74.3	111.5#
182	0.0	2.0	3.0#

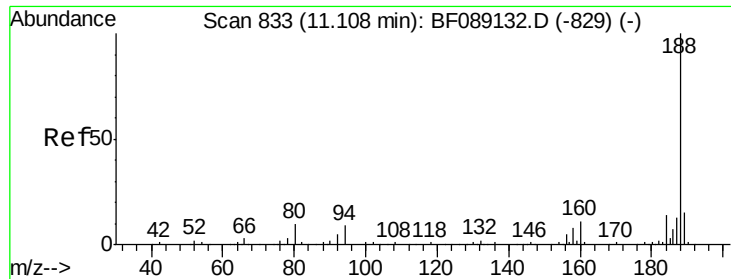
Abundance Ion 165.00 (164.70 to 165.70): E

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

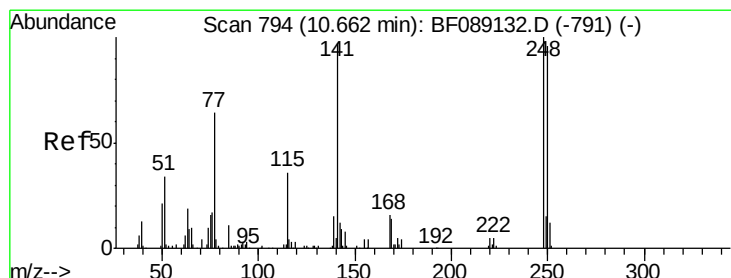
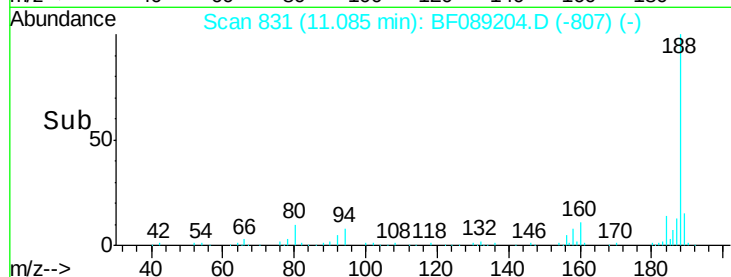
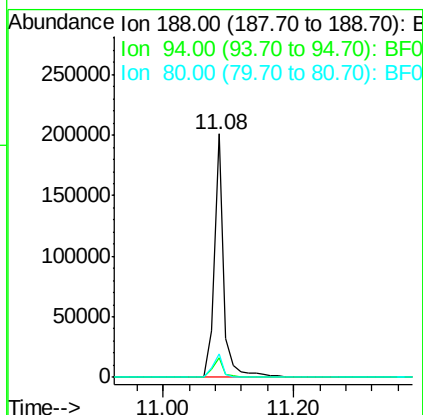
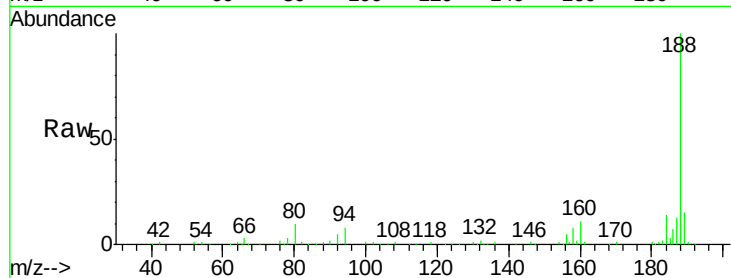




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.02 min
Lab File: BF089204.D
Acq: 22 Jul 2016 20:51

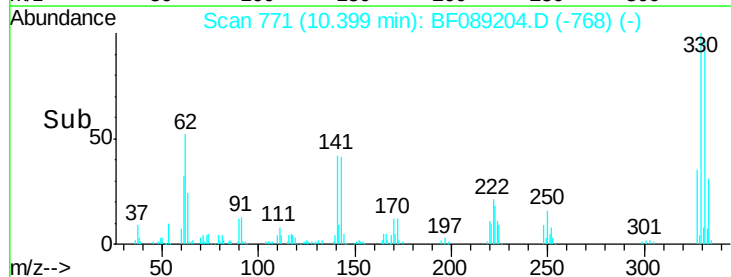
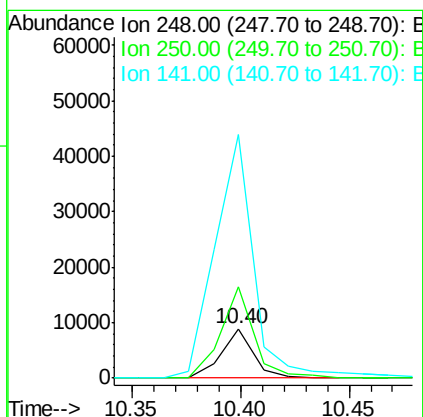
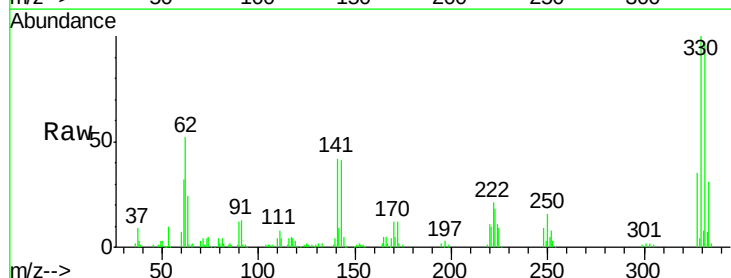
Instrument :
BNA_F
ClientSampleId :
PB92343BL

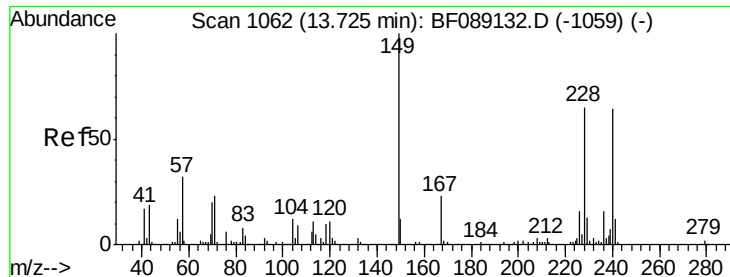
Tgt Ion:188 Resp: 206681
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.4
80 9.7 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 4.42 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.26 min
Lab File: BF089204.D
Acq: 22 Jul 2016 20:51

Tgt Ion:248 Resp: 9034
Ion Ratio Lower Upper
248 100
250 186.6 76.9 115.3#
141 495.6 77.4 116.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BF089204.D

Acq: 22 Jul 2016 20:51

Instrument :

BNA_F

ClientSampleId :

PB92343BL

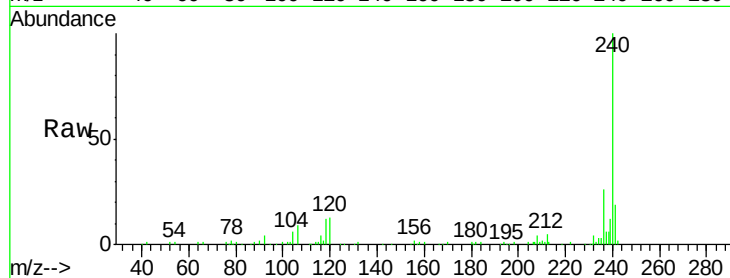
Tgt Ion:240 Resp: 158827

Ion Ratio Lower Upper

240 100

120 12.9 13.6 20.4#

236 25.7 20.5 30.7



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

13.70

150000

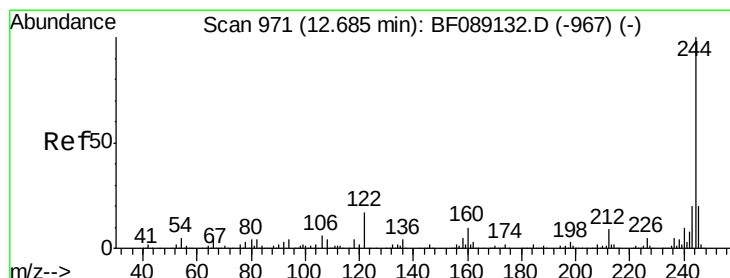
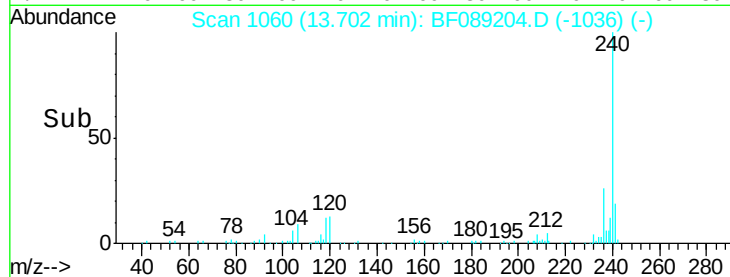
100000

50000

0

13.60 13.70 13.80

Time-->



#78

Terphenyl-d14

Concen: 81.80 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.01 min

Lab File: BF089204.D

Acq: 22 Jul 2016 20:51

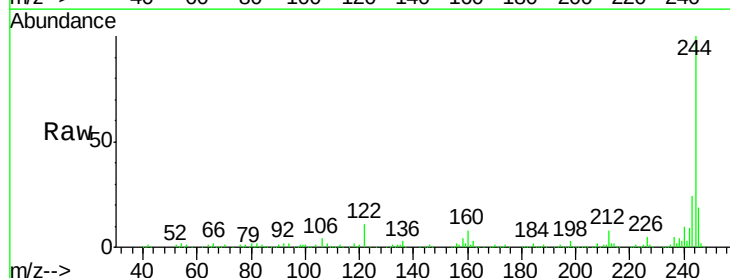
Tgt Ion:244 Resp: 599023

Ion Ratio Lower Upper

244 100

212 7.9 7.0 10.4

122 11.3 13.8 20.8#



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

12.67

600000

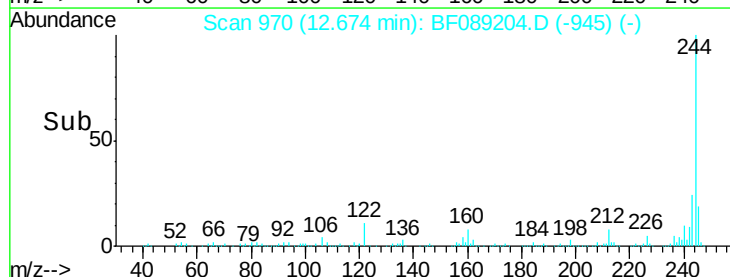
400000

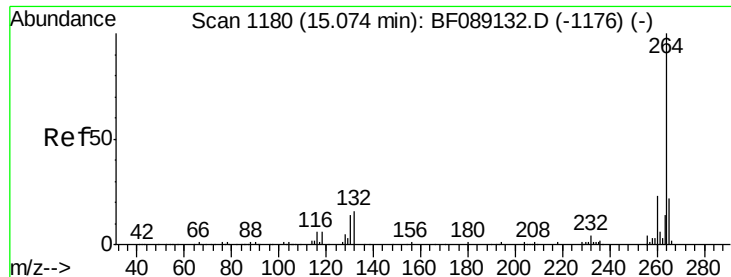
200000

0

12.60 12.70 12.80

Time-->

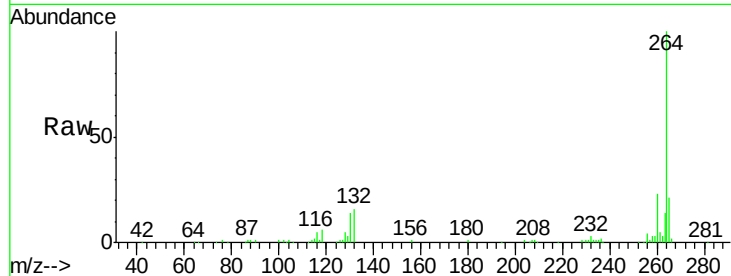




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.02 min
Lab File: BF089204.D
Acq: 22 Jul 2016 20:51

Instrument :
BNA_F
ClientSampleId :
PB92343BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	21.0	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

