

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011916\
 Data File : BF084552.D
 Acq On : 19 Jan 2016 15:15
 Operator : SJ/UM
 Sample : H1156-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM143-195COMPOSITE

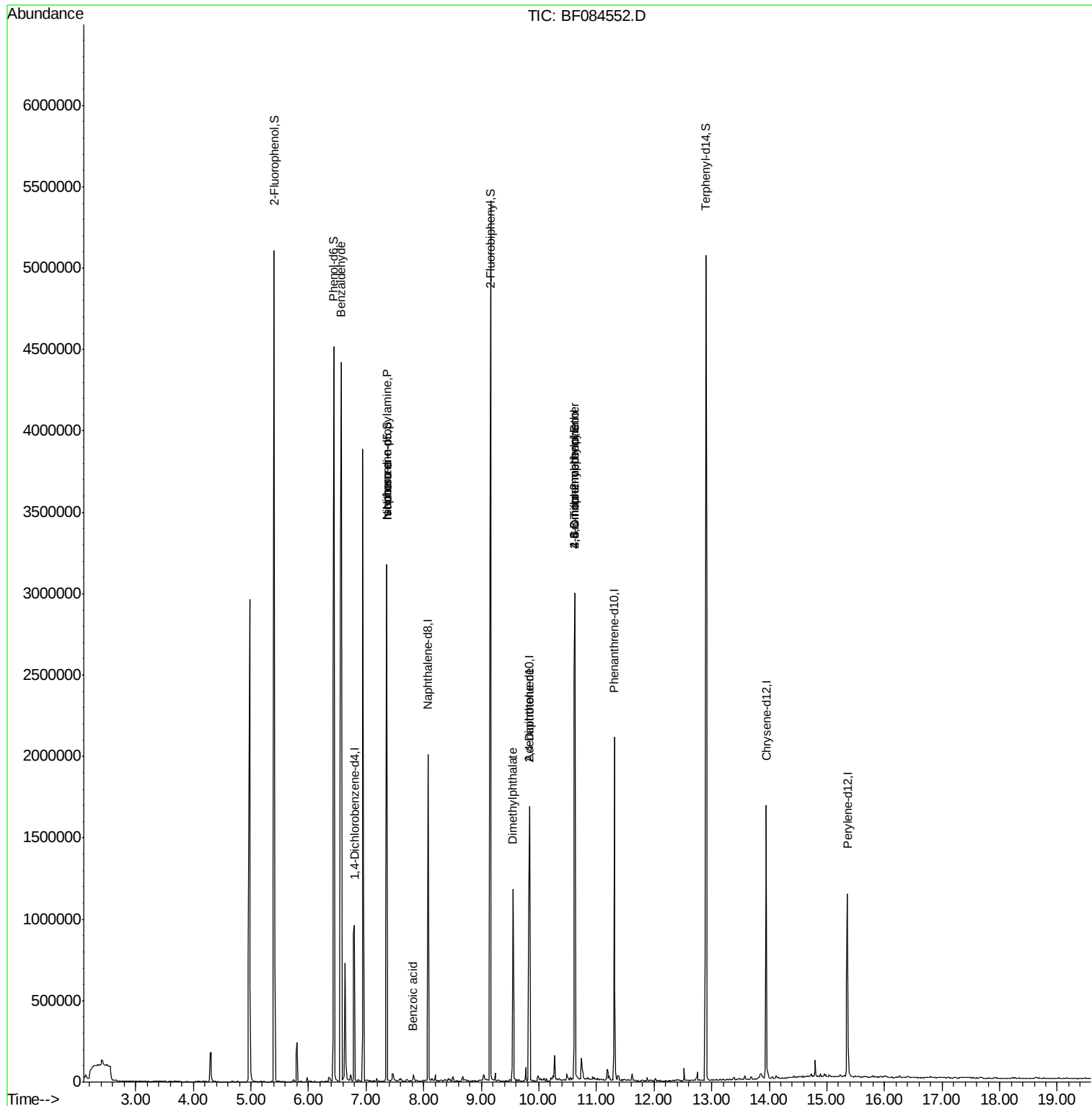
Quant Time: Jan 19 23:58:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	210175	20.00	ng	-0.03
21) Naphthalene-d8	8.08	136	865357	20.00	ng	-0.05
38) Acenaphthene-d10	9.84	164	426512	20.00	ng	-0.03
63) Phenanthrene-d10	11.31	188	757224	20.00	ng	-0.05
75) Chrysene-d12	13.95	240	723629	20.00	ng	-0.05
86) Perylene-d12	15.36	264	503648	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1354148	104.21	ng	-0.03
7) Phenol-d6	6.44	99	1788757	109.61	ng	-0.03
23) Nitrobenzene-d5	7.36	82	1044505	67.18	ng	-0.05
41) 2,4,6-Tribromophenol	10.62	330	531659	123.47	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	2055181	84.75	ng	-0.03
78) Terphenyl-d14	12.90	244	1982974	61.17	ng	-0.05
Target Compounds						
9) Benzaldehyde	6.57	77	36502	3.44	ng	Qvalue 87
19) n-Nitroso-di-n-propylamine	7.36	70	143880	13.02	ng	# 72
25) Isophorone	7.36	82	839781	28.24	ng	# 66
32) Benzoic acid	7.81	122	252	6.27	ng	83
49) Dimethylphthalate	9.55	163	497157	16.30	ng	# 90
54) Dibenzofuran	10.03	168	761	Below Cal	#	45
56) 2,4-Dinitrotoluene	9.84	165	55284	6.53	ng	# 21
57) Fluorene	10.37	166	937	Below Cal	#	69
64) 4,6-Dinitro-2-methylphenol	10.62	198	1319	6.63	ng	# 3
66) 4-Bromophenyl-phenylether	10.62	248	33453	4.10	ng	# 1
73) Di-n-butylphthalate	11.88	149	10497	Below Cal		98

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

```
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Operator  : SJ/UM  
Sample    : H1156-01  
Misc      :  
ALS Vial  : 7      Sample Multiplier: 1
```

Quant Time: Jan 19 23:58:30 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF084552.D

Acq: 19 Jan 2016 15:15

Instrument :

BNA_F

ClientSampleId :

DRUM143-195COMPOSITE

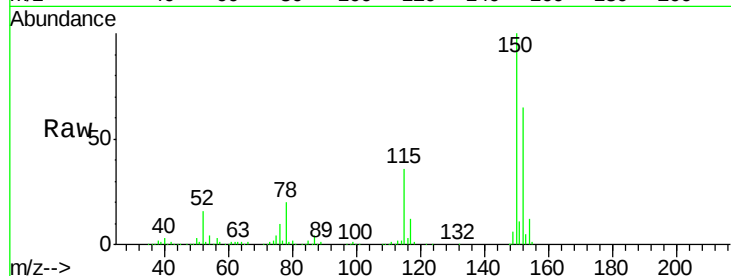
Tgt Ion:152 Resp: 210175

Ion Ratio Lower Upper

152 100

150 153.2 123.0 184.4

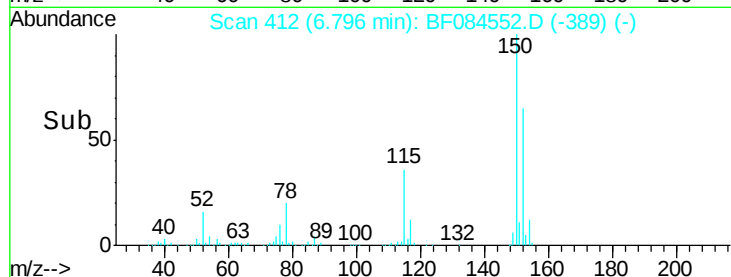
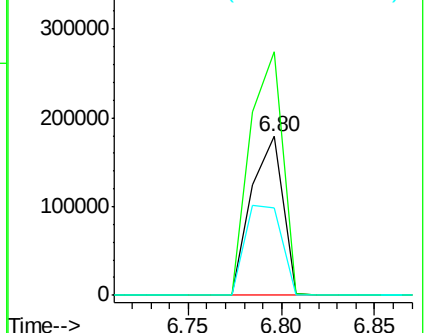
115 54.7 51.4 77.2



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



#5

2-Fluorophenol

Concen: 104.21 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.03 min

Lab File: BF084552.D

Acq: 19 Jan 2016 15:15

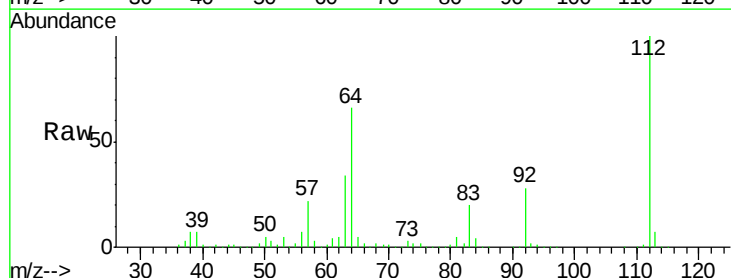
Tgt Ion:112 Resp: 1354148

Ion Ratio Lower Upper

112 100

64 65.6 36.6 55.0#

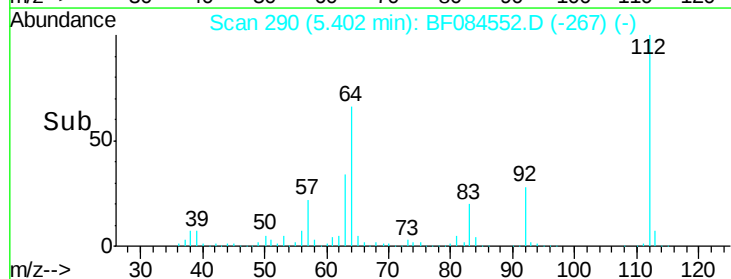
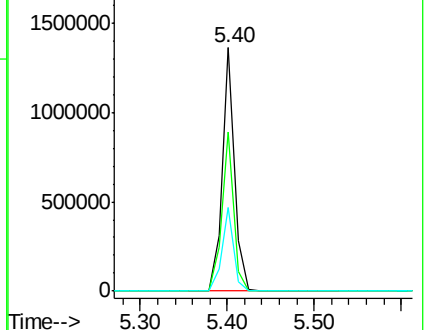
63 34.1 19.4 29.0#



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





#7

Phenol-d6

Concen: 109.61 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF084552.D

Acq: 19 Jan 2016 15:15

Instrument :

BNA_F

ClientSampleId :

DRUM143-195COMPOSITE

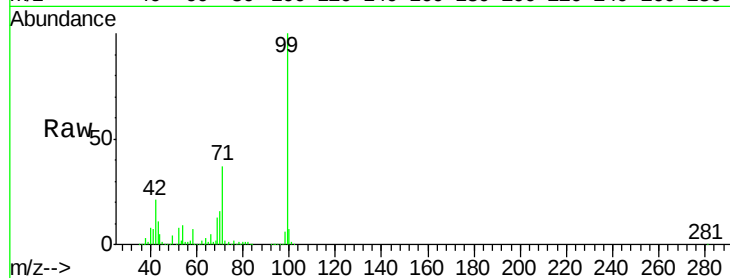
Tgt Ion: 99 Resp: 1788757

Ion Ratio Lower Upper

99 100

42 20.7 12.8 19.2#

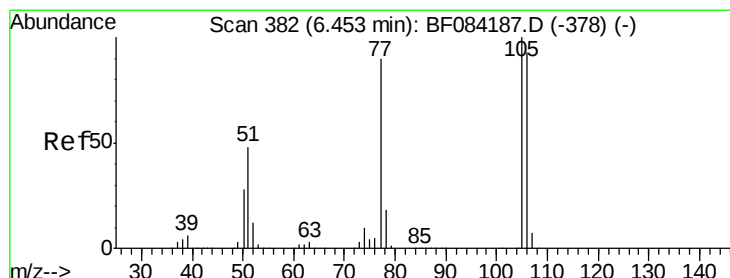
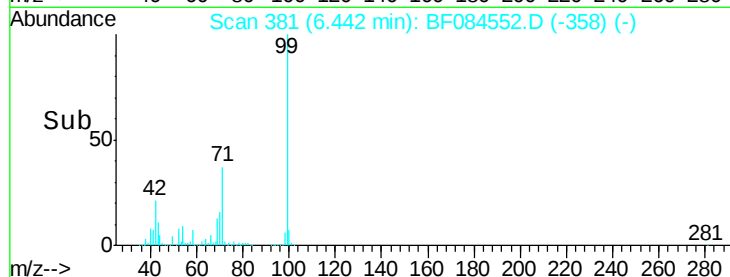
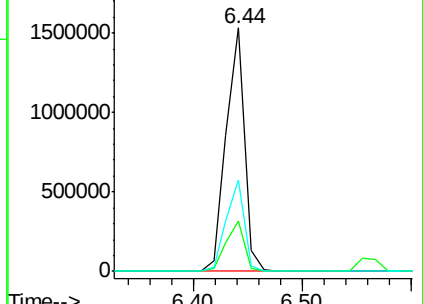
71 37.3 30.9 46.3



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



#9

Benzaldehyde

Concen: 3.44 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.18 min

Lab File: BF084552.D

Acq: 19 Jan 2016 15:15

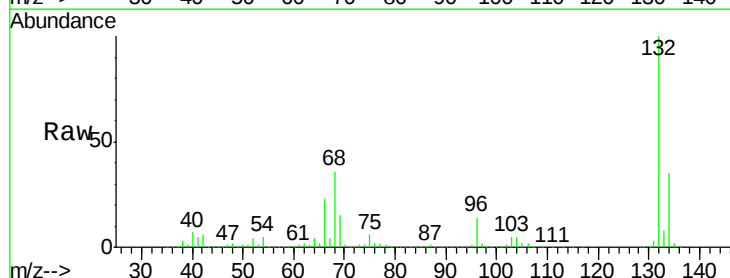
Tgt Ion: 77 Resp: 36502

Ion Ratio Lower Upper

77 100

105 90.5 83.0 123.0

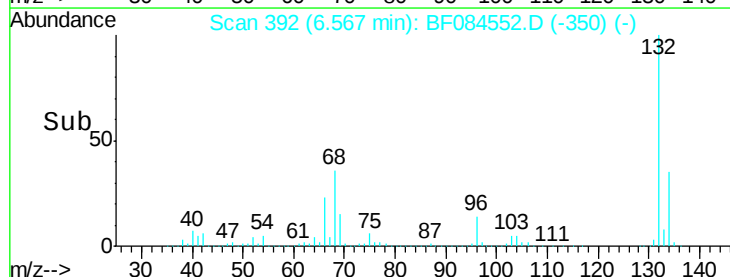
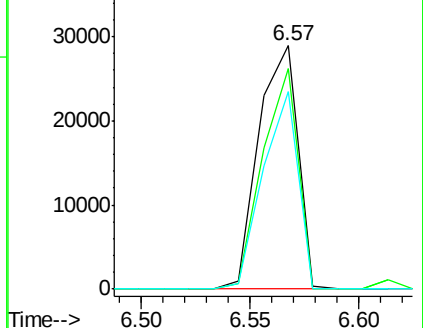
106 80.9 74.6 114.6

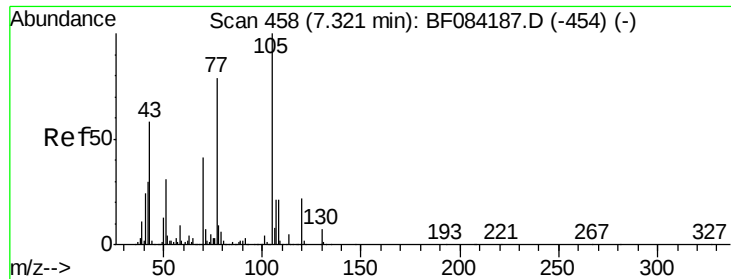


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

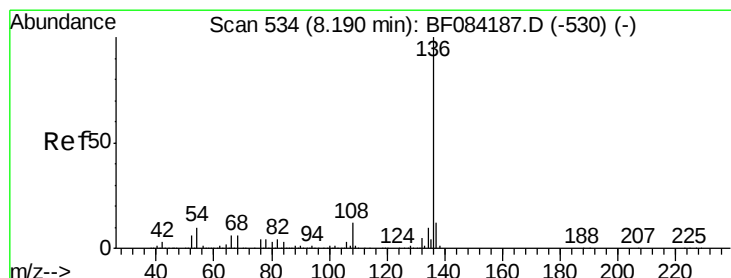
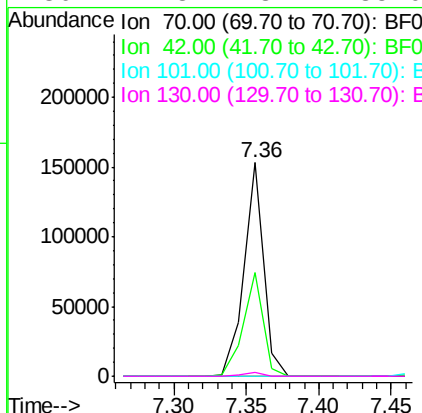
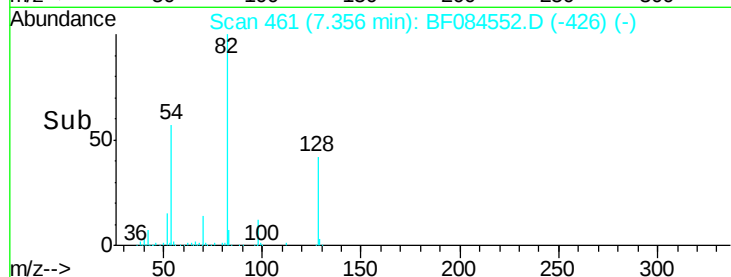
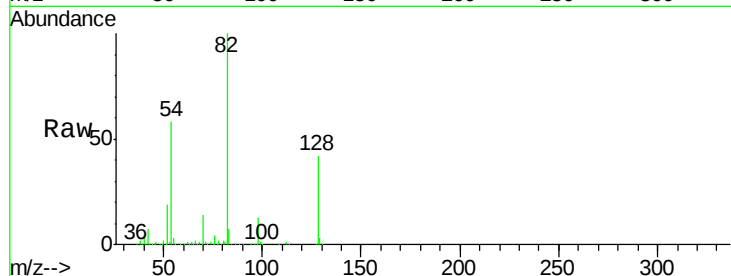




#19
n-Nitroso-di-n-propylamine
Concen: 13.02 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.10 min
Lab File: BF084552.D
Acq: 19 Jan 2016 15:15

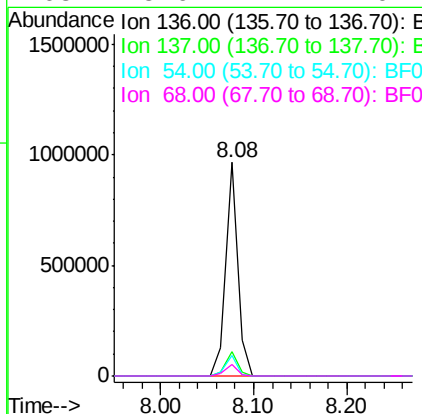
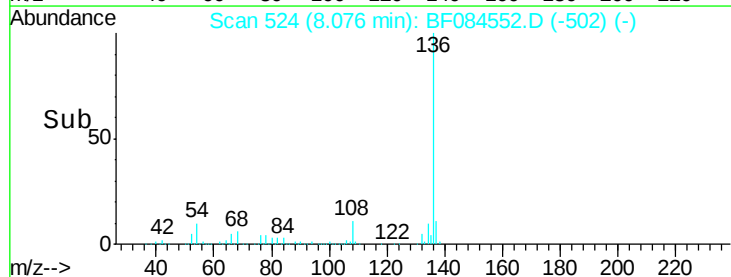
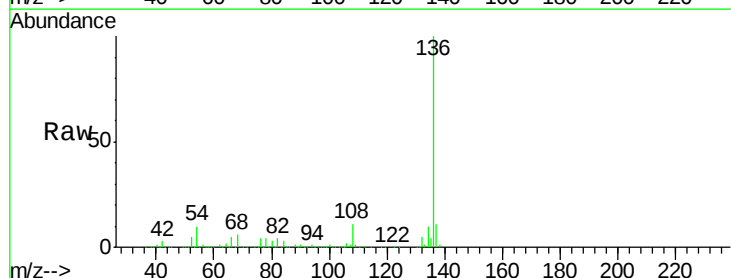
Instrument :
BNA_F
ClientSampleId :
DRUM143-195COMPOSITE

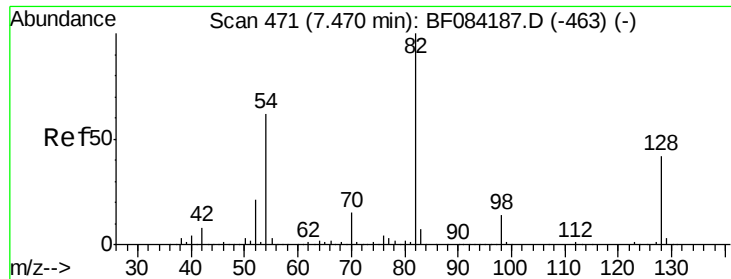
Tgt Ion: 70 Resp: 143880
Ion Ratio Lower Upper
70 100
42 48.7 33.3 49.9
101 0.0 9.3 13.9#
130 1.8 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.05 min
Lab File: BF084552.D
Acq: 19 Jan 2016 15:15

Tgt Ion: 136 Resp: 865357
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 9.6 5.8 8.8#
68 5.6 4.2 6.2

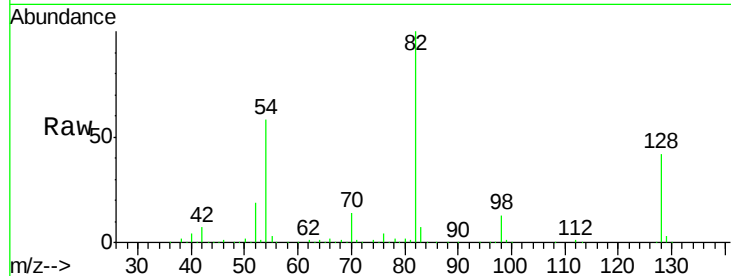




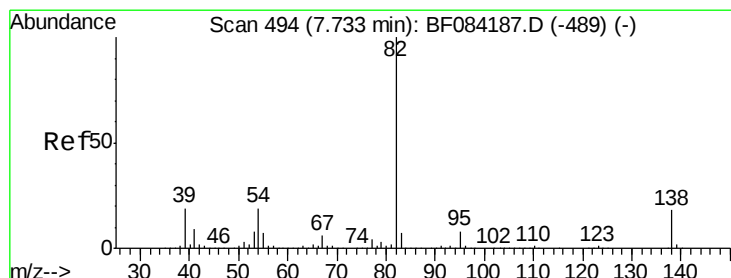
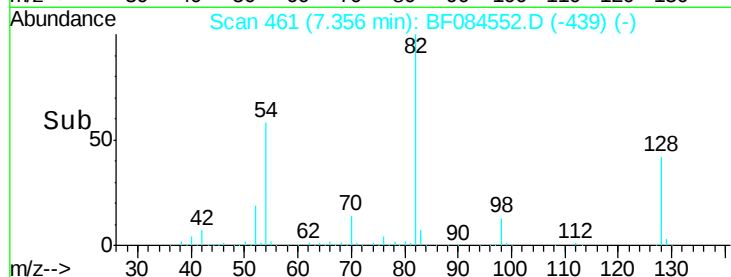
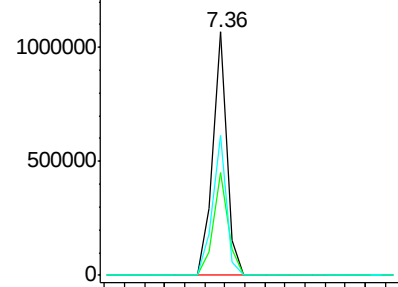
#23
Nitrobenzene-d5
Concen: 67.18 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.05 min
Lab File: BF084552.D
Acq: 19 Jan 2016 15:15

Instrument :
BNA_F
ClientSampleId :
DRUM143-195COMPOSITE

Tgt Ion: 82 Resp: 1044505
Ion Ratio Lower Upper
82 100
128 42.0 34.6 51.8
54 57.5 38.4 57.6

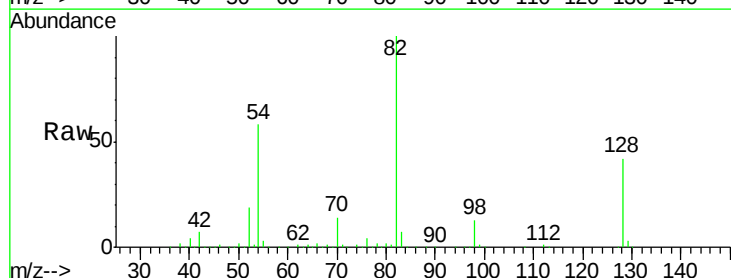


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

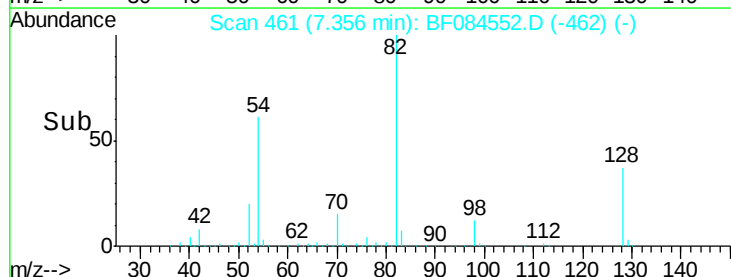
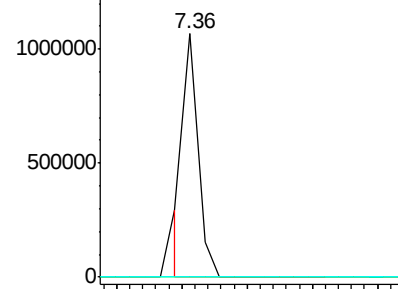


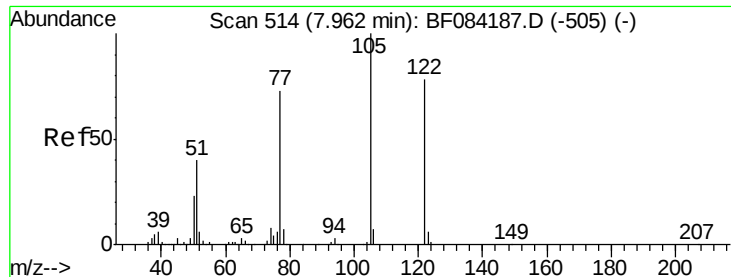
#25
Isophorone
Concen: 28.24 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.31 min
Lab File: BF084552.D
Acq: 19 Jan 2016 15:15

Tgt Ion: 82 Resp: 839781
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





#32

Benzoic acid

Concen: 6.27 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.08 min

Lab File: BF084552.D

Acq: 19 Jan 2016 15:15

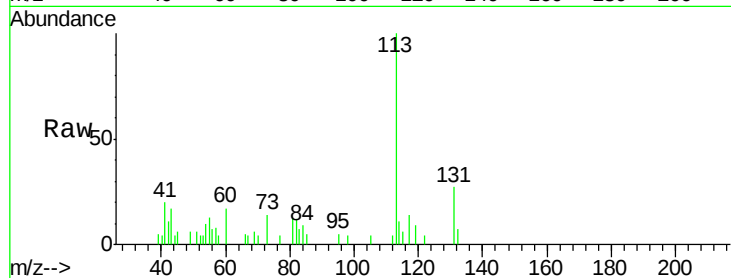
Instrument :

BNA_F

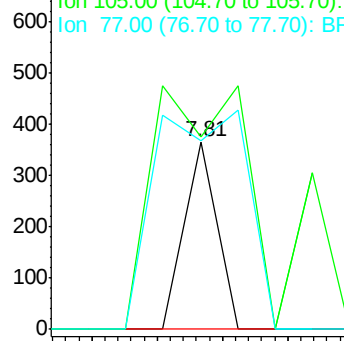
ClientSampleId :

DRUM143-195COMPOSITE

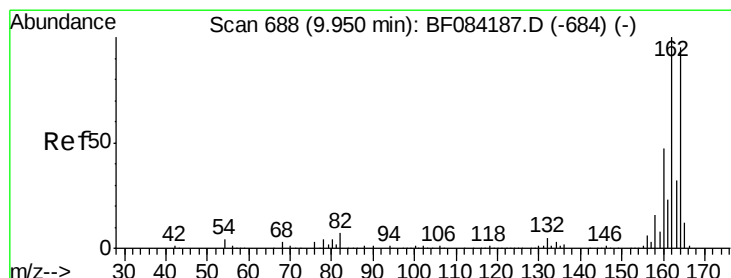
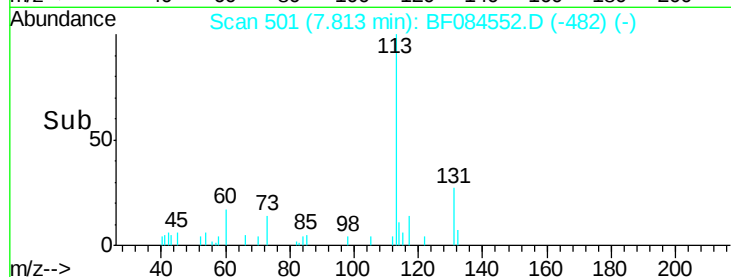
Tgt Ion:	122	Resp:	252
Ion	Ratio	Lower	Upper
122	100		
105	102.5	100.3	140.3
77	100.3	63.5	103.5



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

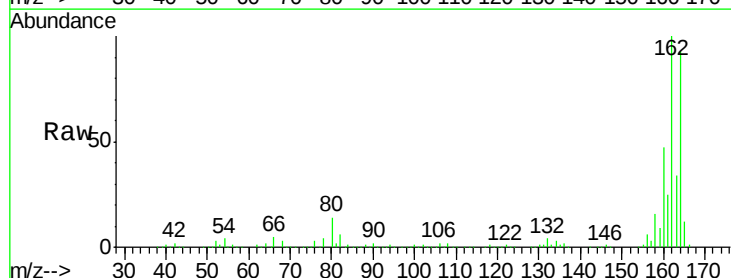
RT: 9.84 min Scan# 678

Delta R.T. -0.03 min

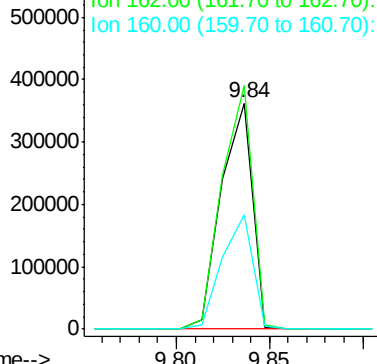
Lab File: BF084552.D

Acq: 19 Jan 2016 15:15

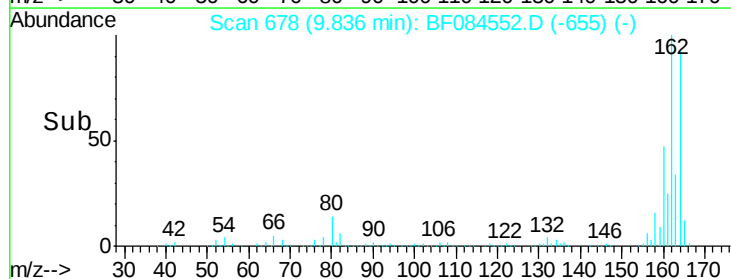
Tgt Ion:	164	Resp:	426512
Ion	Ratio	Lower	Upper
164	100		
162	107.6	85.1	127.7
160	50.6	37.5	56.3

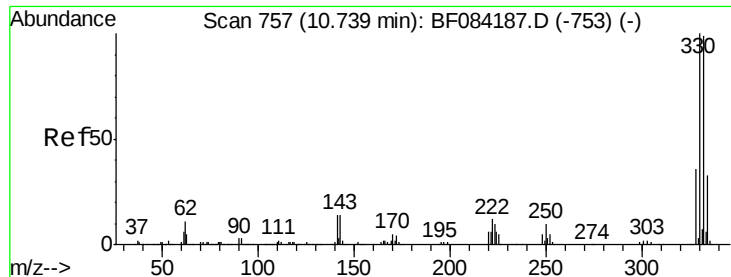


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->

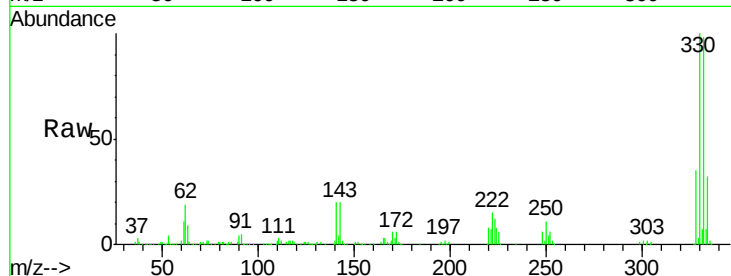




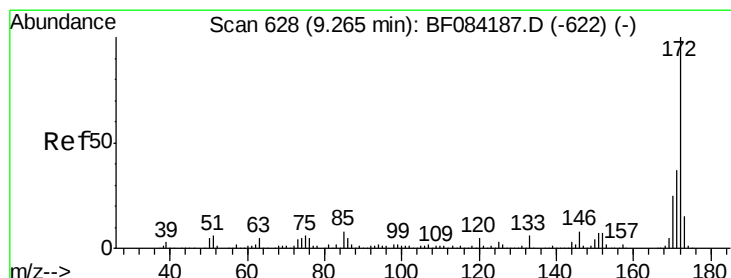
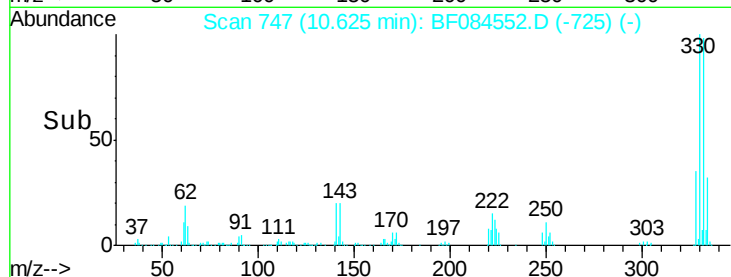
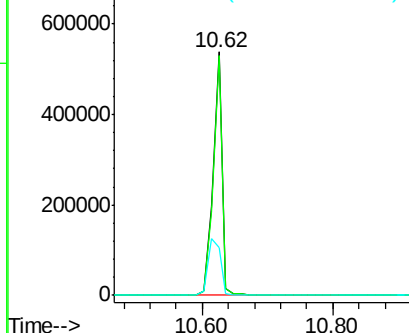
#41
 2,4,6-Tribromophenol
 Concen: 123.47 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.05 min
 Lab File: BF084552.D
 Acq: 19 Jan 2016 15:15

Instrument :
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 DRUM143-195COMPOSITE

Tgt Ion:330 Resp: 531659
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 114.8
 141 32.1 27.8 41.6

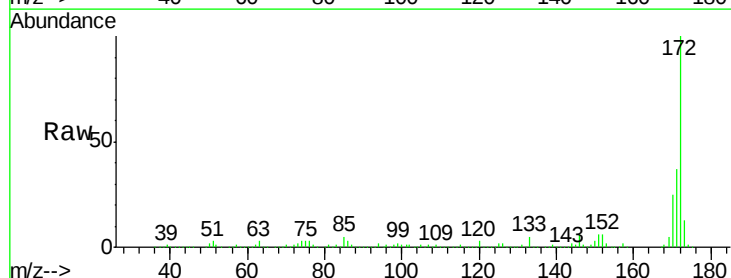


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

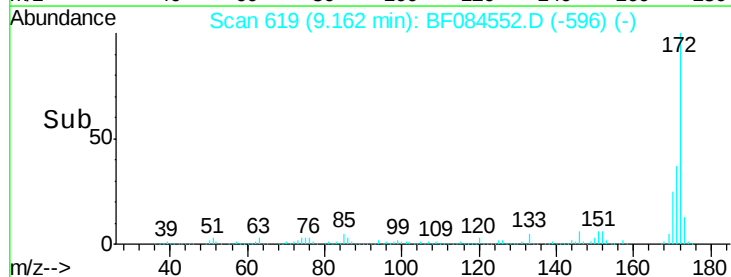
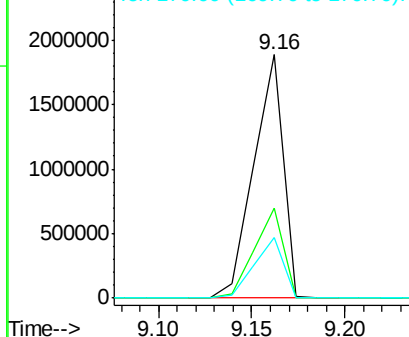


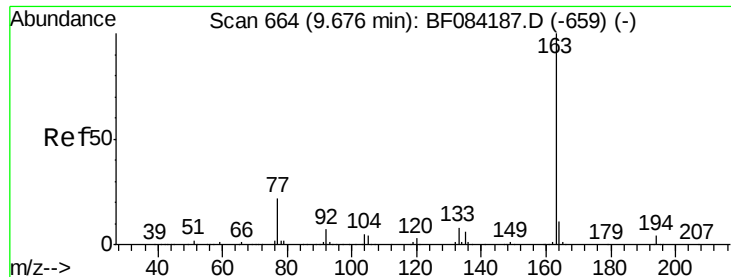
#44
 2-Fluorobiphenyl
 Concen: 84.75 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.03 min
 Lab File: BF084552.D
 Acq: 19 Jan 2016 15:15

Tgt Ion:172 Resp: 2055181
 Ion Ratio Lower Upper
 172 100
 171 36.9 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

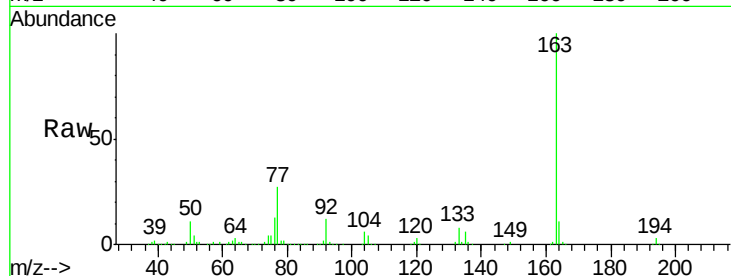




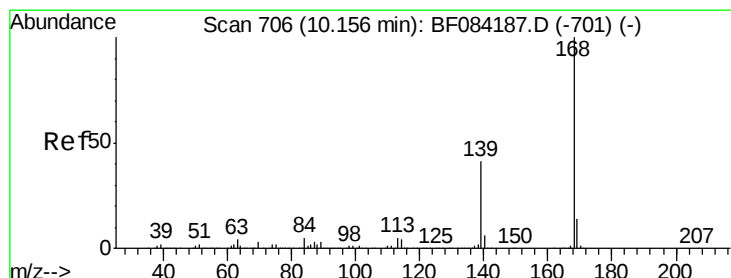
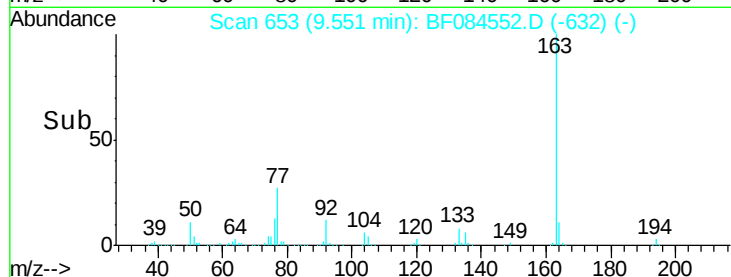
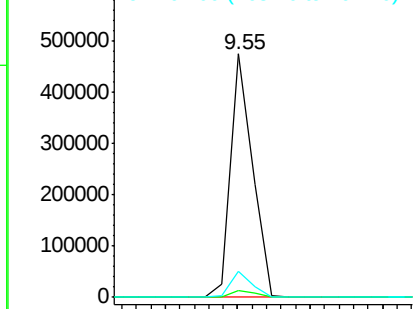
#49
Dimethylphthalate
Concen: 16.30 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.06 min
Lab File: BF084552.D
Acq: 19 Jan 2016 15:15

Instrument :
BNA_F
ClientSampleId :
DRUM143-195COMPOSITE

Tgt Ion:163 Resp: 497157
Ion Ratio Lower Upper
163 100
194 3.0 8.0 12.0#
164 10.7 8.0 12.0

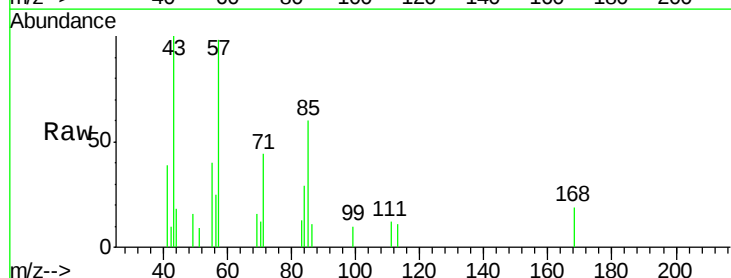


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

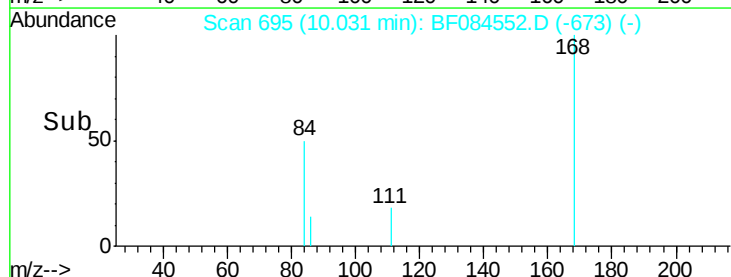
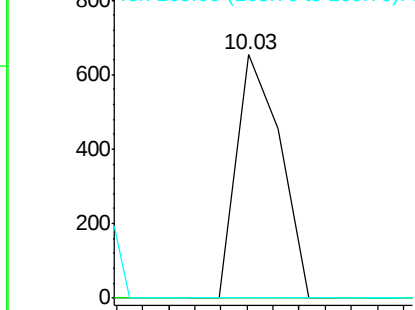


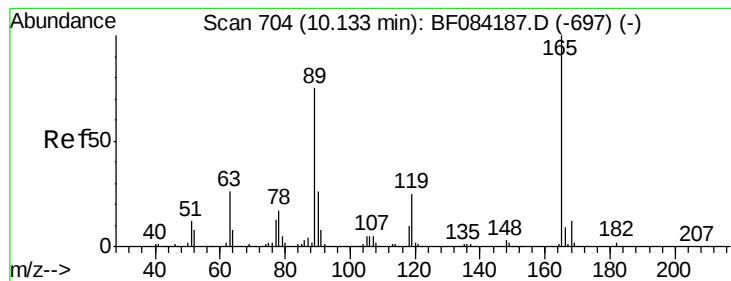
#54
Dibenzofuran
Concen: Below Cal
RT: 10.03 min Scan# 695
Delta R.T. -0.05 min
Lab File: BF084552.D
Acq: 19 Jan 2016 15:15

Tgt Ion:168 Resp: 761
Ion Ratio Lower Upper
168 100
139 0.0 30.5 45.7#
169 0.0 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#56

2,4-Dinitrotoluene

Concen: 6.53 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.23 min

Lab File: BF084552.D

Acq: 19 Jan 2016 15:15

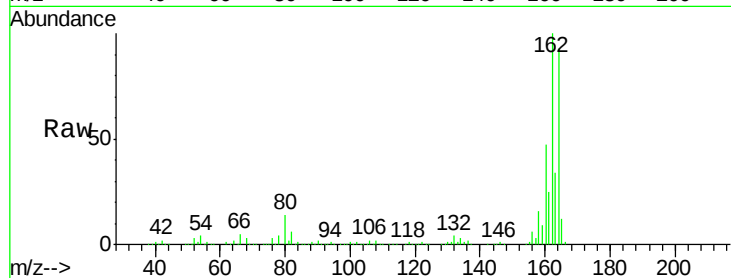
Instrument :

BNA_F

ClientSampleId :

DRUM143-195COMPOSITE

Tgt Ion:	165	Resp:	55284
Ion Ratio	Lower	Upper	
165	100		
63	1.3	36.7	55.1#
89	1.7	61.9	92.9#
182	0.0	2.0	3.0#

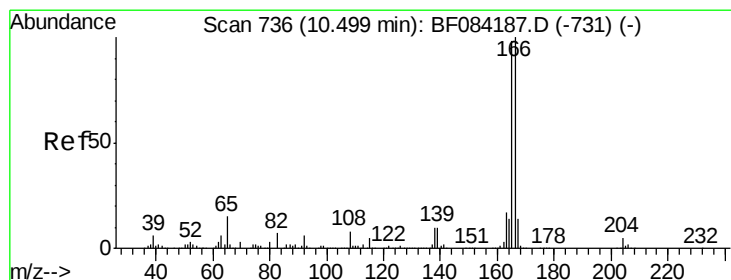
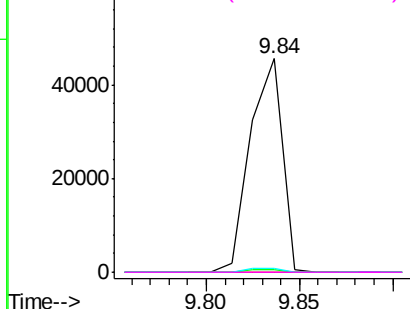
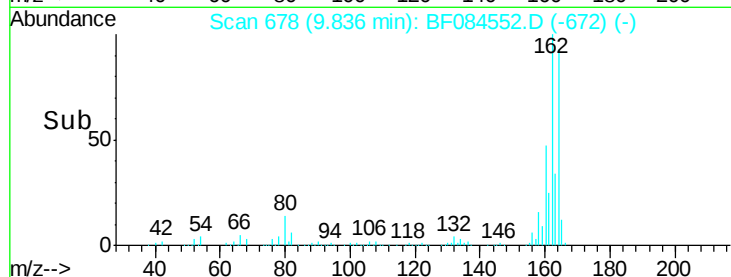


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

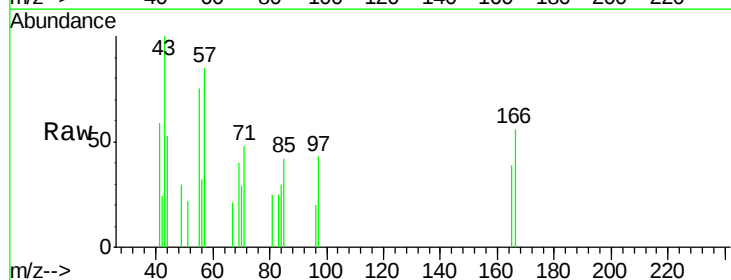
RT: 10.37 min Scan# 725

Delta R.T. -0.05 min

Lab File: BF084552.D

Acq: 19 Jan 2016 15:15

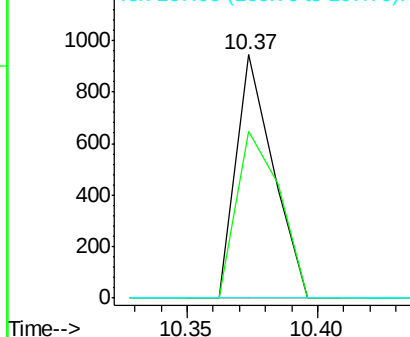
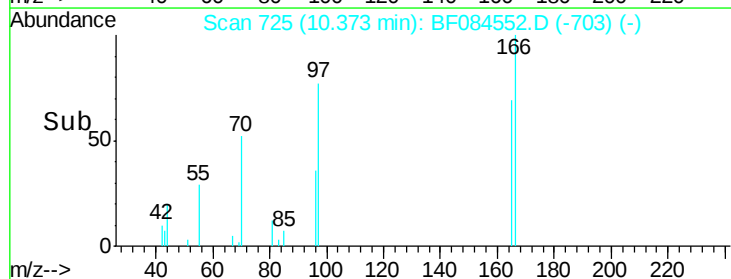
Tgt Ion:	166	Resp:	937
Ion Ratio	Lower	Upper	
166	100		
165	68.8	79.1	118.7#
167	0.0	10.4	15.6#

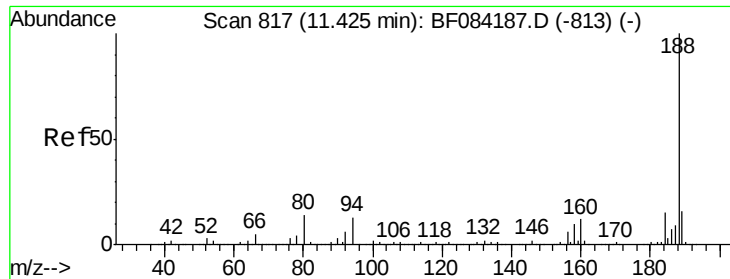


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

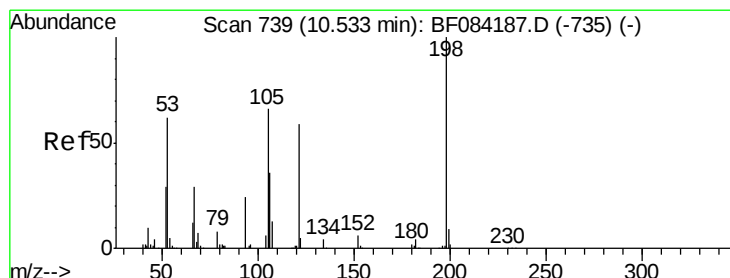
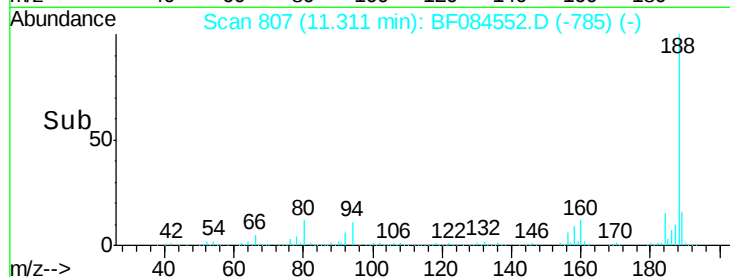
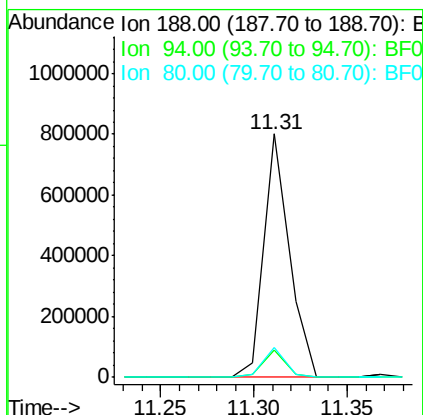
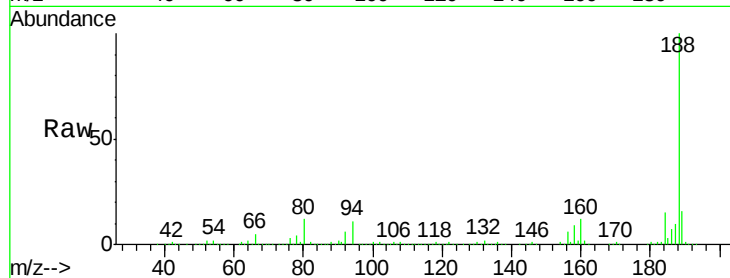




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.05 min
Lab File: BF084552.D
Acq: 19 Jan 2016 15:15

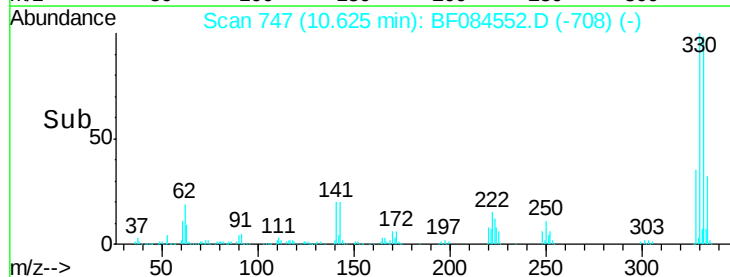
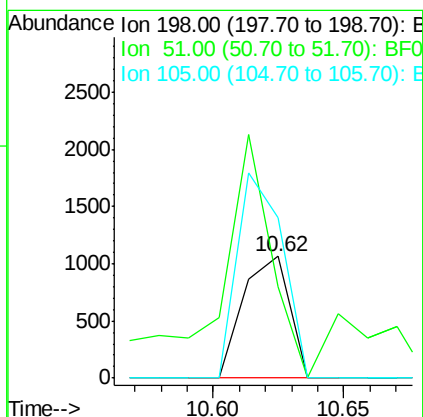
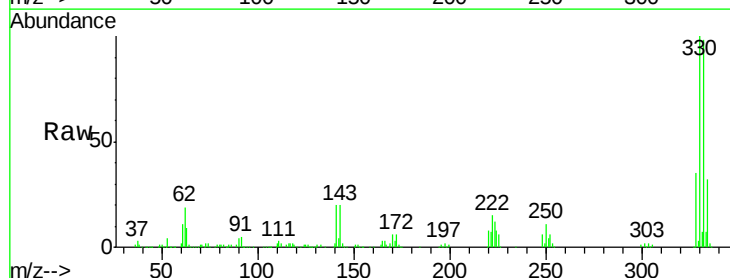
Instrument :
BNA_F
ClientSampleId :
DRUM143-195COMPOSITE

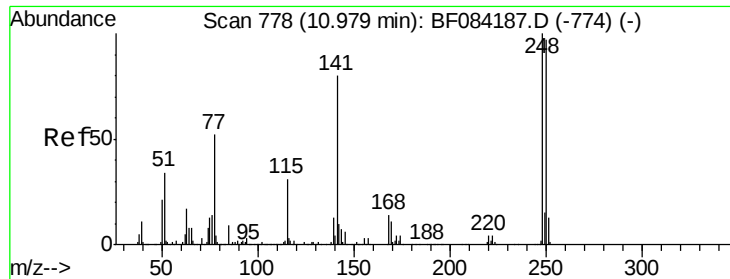
Tgt Ion:188 Resp: 757224
Ion Ratio Lower Upper
188 100
94 11.2 9.0 13.4
80 12.1 9.6 14.4



#64
4,6-Dinitro-2-methylphenol
Concen: 6.63 ng
RT: 10.62 min Scan# 747
Delta R.T. 0.15 min
Lab File: BF084552.D
Acq: 19 Jan 2016 15:15

Tgt Ion:198 Resp: 1319
Ion Ratio Lower Upper
198 100
51 75.5 18.9 58.9#
105 131.9 26.4 66.4#





#66

4-Bromophenyl-phenylether

Concen: 4.10 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.29 min

Lab File: BF084552.D

Acq: 19 Jan 2016 15:15

Instrument :

BNA_F

ClientSampleId :

DRUM143-195COMPOSITE

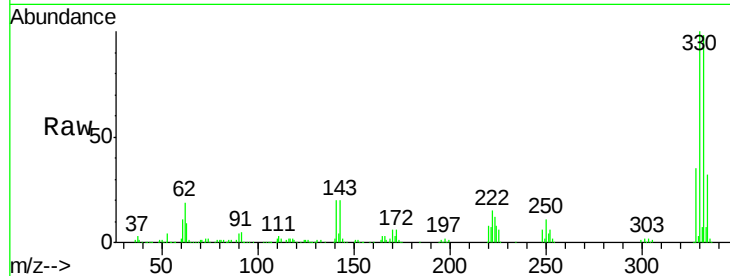
Tgt Ion:248 Resp: 33453

Ion Ratio Lower Upper

248 100

250 200.6 78.4 117.6#

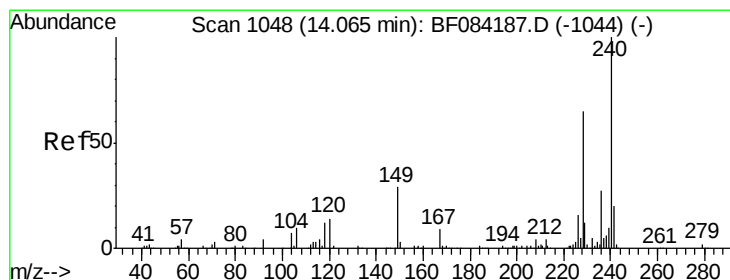
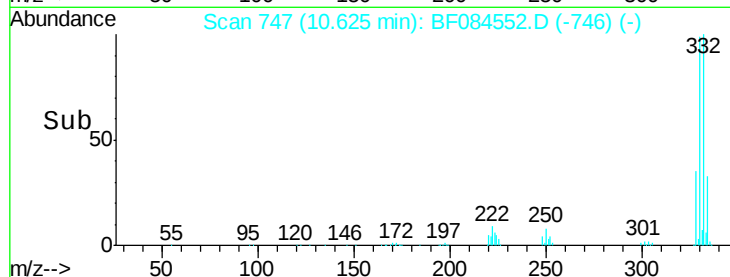
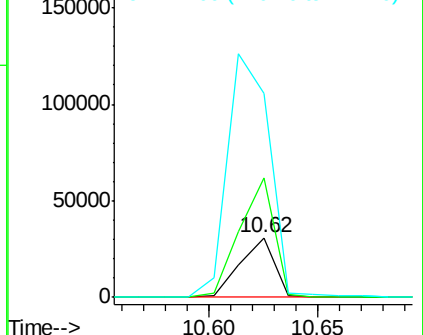
141 343.3 44.0 66.0#



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: 13.95 min Scan# 1038

Delta R.T. -0.05 min

Lab File: BF084552.D

Acq: 19 Jan 2016 15:15

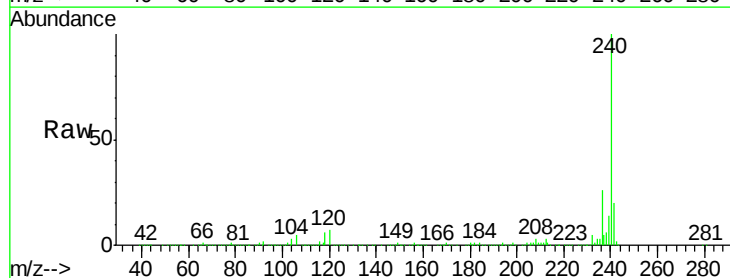
Tgt Ion:240 Resp: 723629

Ion Ratio Lower Upper

240 100

120 7.0 9.5 14.3#

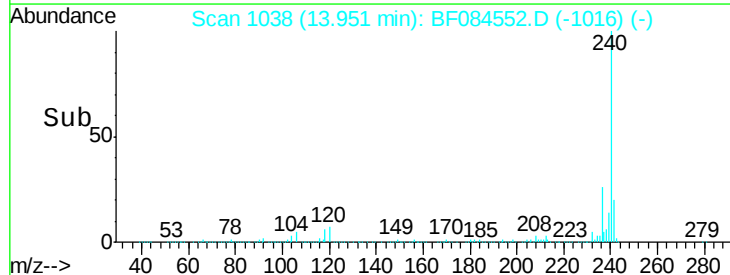
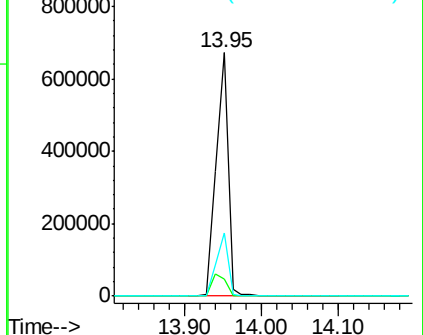
236 26.0 20.6 31.0

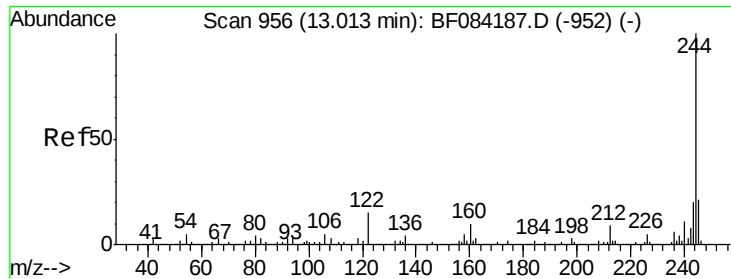


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

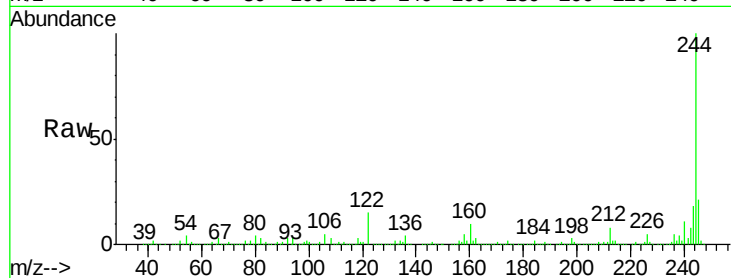




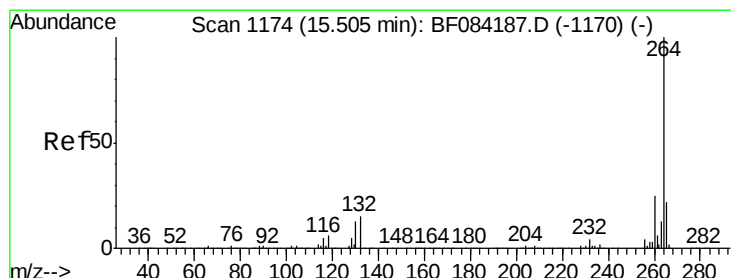
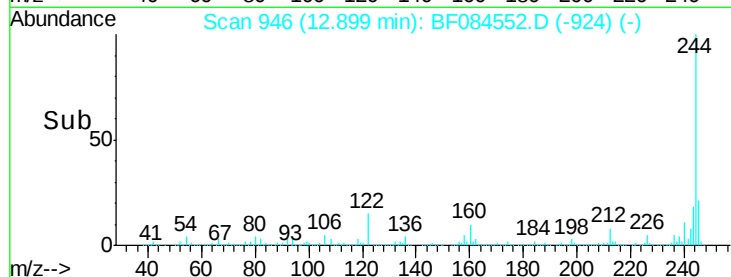
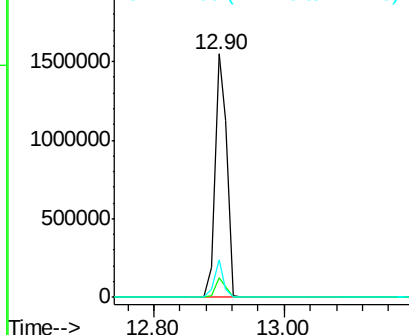
#78
 Terphenyl-d14
 Concen: 61.17 ng
 RT: 12.90 min Scan# 946
 Delta R.T. -0.05 min
 Lab File: BF084552.D
 Acq: 19 Jan 2016 15:15

Instrument :
 BNA_F
 ClientSampleId :
 DRUM143-195COMPOSITE

Tgt Ion:244 Resp: 1982974
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.7 8.5
 122 15.4 7.4 11.0#

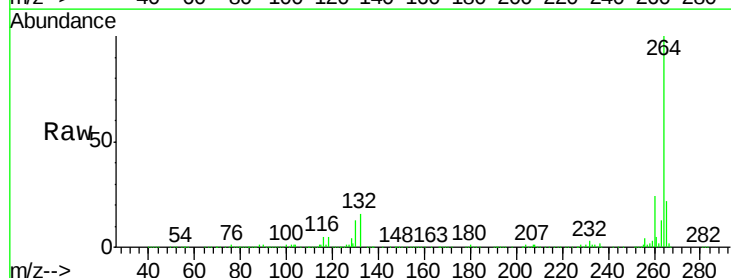


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1161
 Delta R.T. -0.06 min
 Lab File: BF084552.D
 Acq: 19 Jan 2016 15:15

Tgt Ion:264 Resp: 503648
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.4 29.2
 265 22.3 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

