

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113016\
 Data File : BF091346.D
 Acq On : 30 Nov 2016 11:27
 Operator : UM/SJ
 Sample : H5749-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-1

Manual Integrations
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Quant Time: Nov 30 17:51:52 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	170170m	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	694275	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	387492	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	662194	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	470074	20.00	ng	-0.03
86) Perylene-d12	15.44	264	357629	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1207656	115.93	ng	0.00
7) Phenol-d6	6.49	99	1400482	109.22	ng	0.00
23) Nitrobenzene-d5	7.43	82	1169178	94.37	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	456207	124.36	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	1880471	87.87	ng	-0.02
78) Terphenyl-d14	12.97	244	1989045	91.97	ng	-0.02
Target Compounds						
31) Naphthalene	8.17	128	111712	3.39	ng	98
76) Benzidine	12.71	184	53792	3.90	ng	94

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

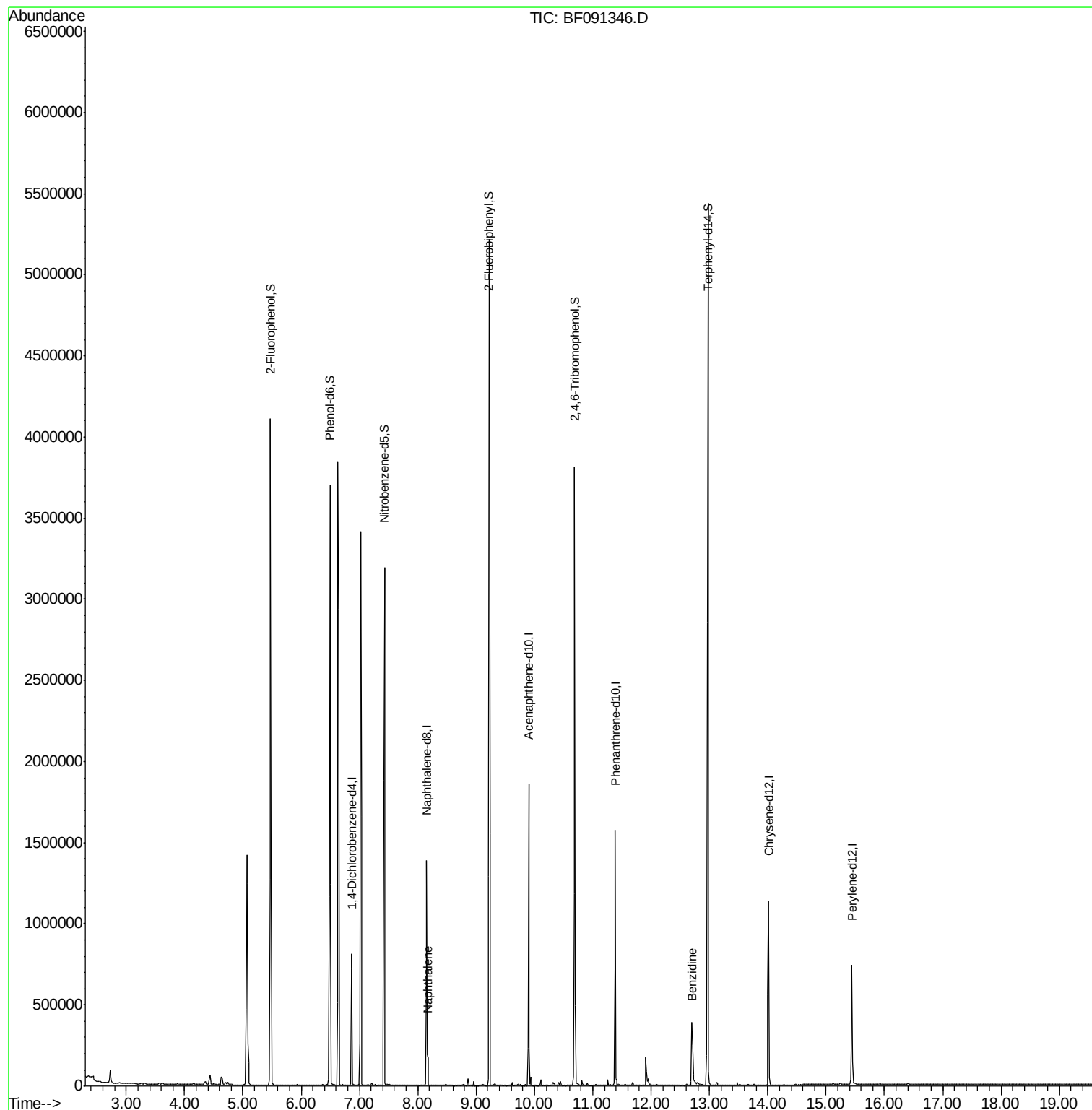
Data Path : Z:\HPCHEM1\BNA F\DATA\BF113016\
Data File : BF091346.D
Acq On : 30 Nov 2016 11:27
Operator : UM/SJ
Sample : H5749-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

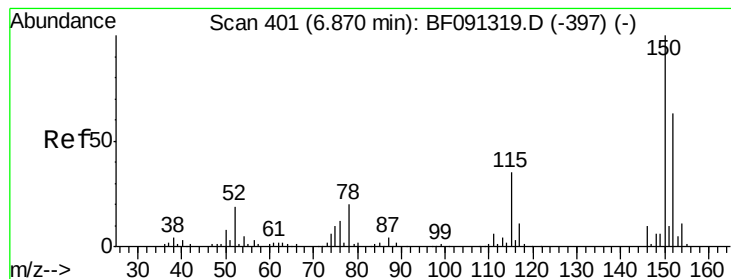
Instrument :
BNA_F
ClientSampleId :
GRID-MM4-1

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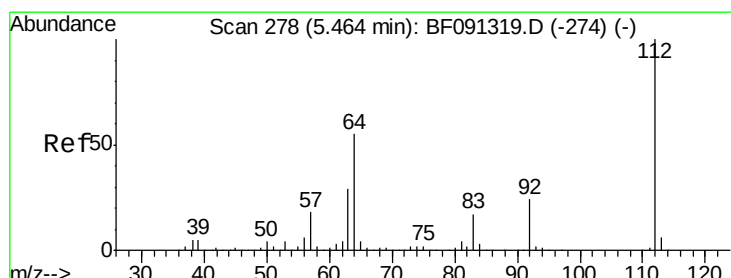
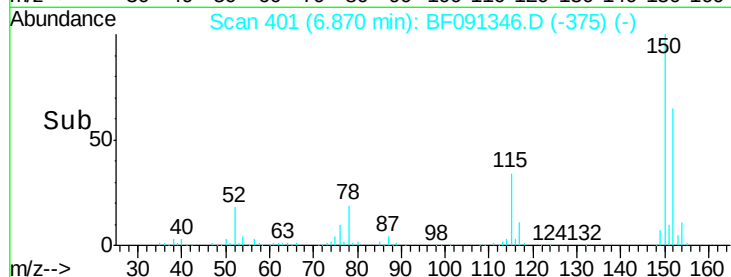
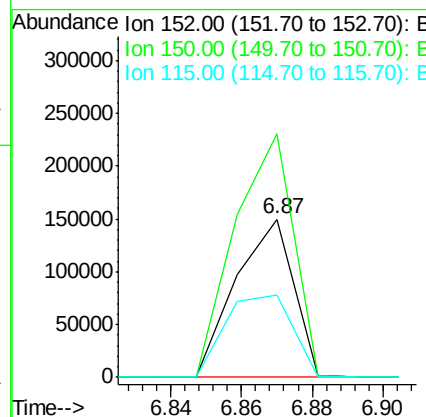
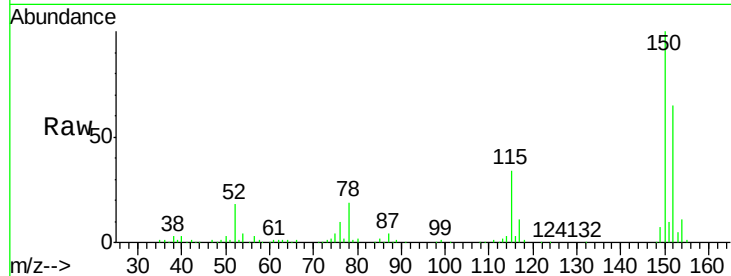
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng/ml
 RT: 6.87 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: BF091346.D
 Acq: 30 Nov 2016 11:27

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	122.5	183.7
115	51.8	51.8	77.8

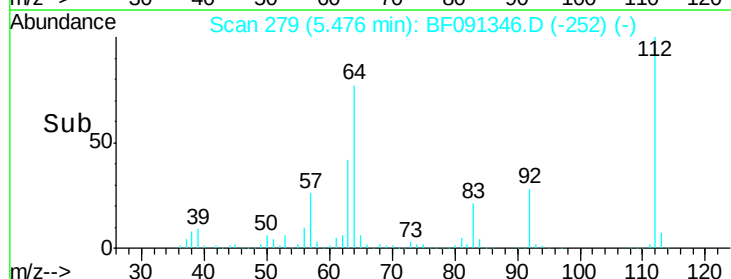
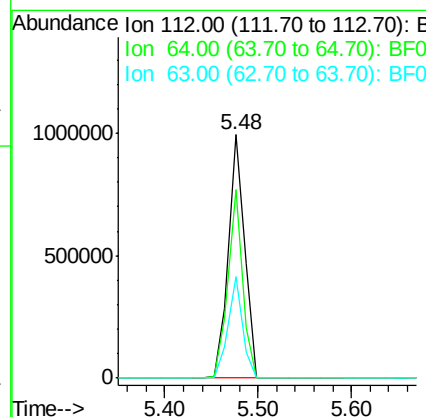
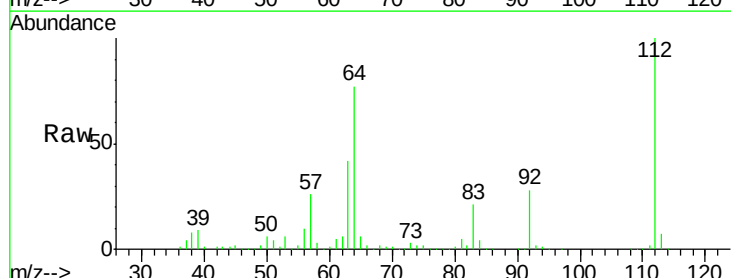
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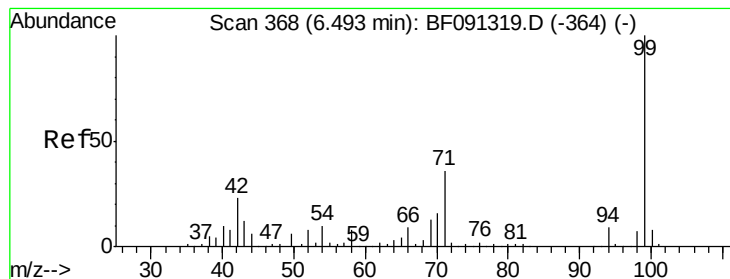
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#5
 2-Fluorophenol
 Concen: 115.93 ng
 RT: 5.48 min Scan# 279
 Delta R.T. 0.01 min
 Lab File: BF091346.D
 Acq: 30 Nov 2016 11:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.3	61.5	92.3
63	41.6	33.3	49.9





#7

Phenol-d6

Concen: 109.22 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091346.D

Acq: 30 Nov 2016 11:27

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-1

Tot Ion: 99 Resp: 1400482

Ion Ratio Lower Upper

99 100

42 24.7 20.6 31.0

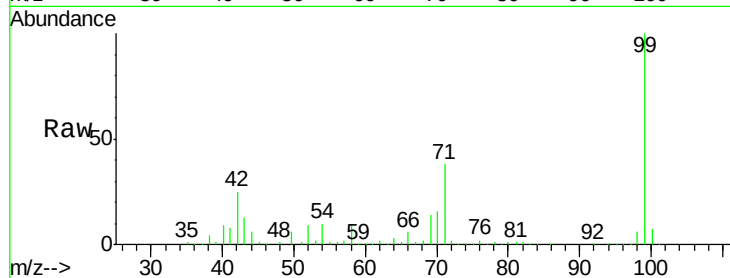
71 37.6 29.9 44.9

Manual Integrations

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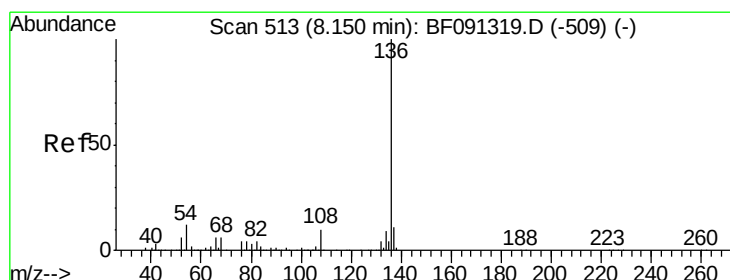
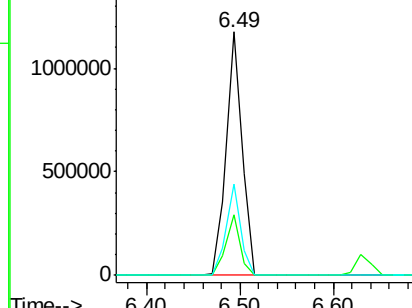
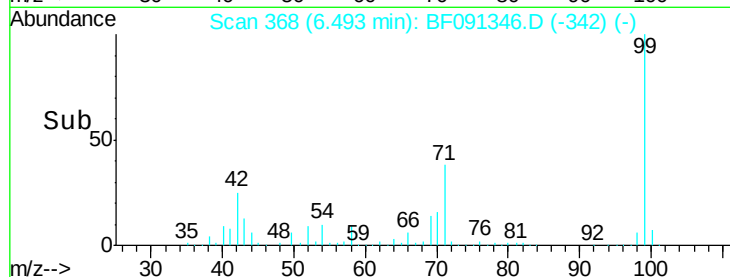
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF091346.D

Acq: 30 Nov 2016 11:27

Tgt Ion: 136 Resp: 694275

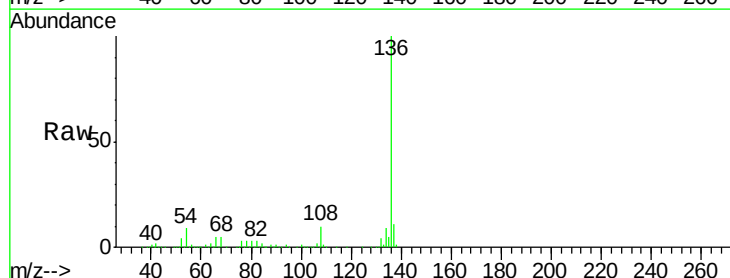
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 9.3 9.1 13.7

68 4.6 5.9 8.9#

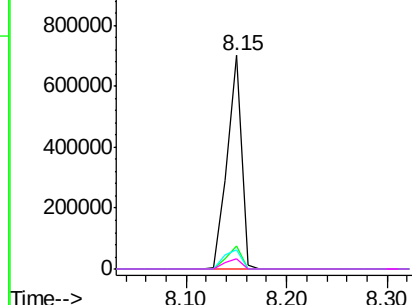
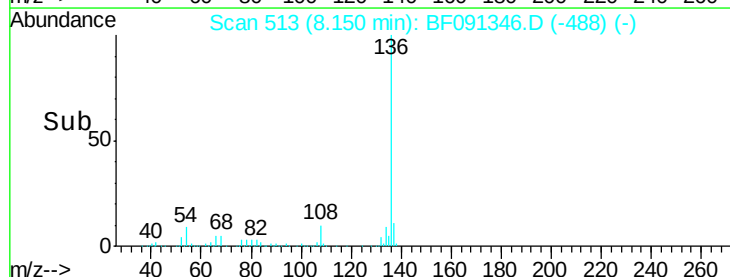


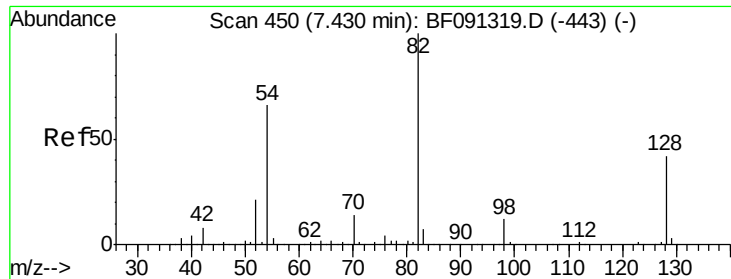
Abundance Ion 136.00 (135.70 to 136.70): E

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





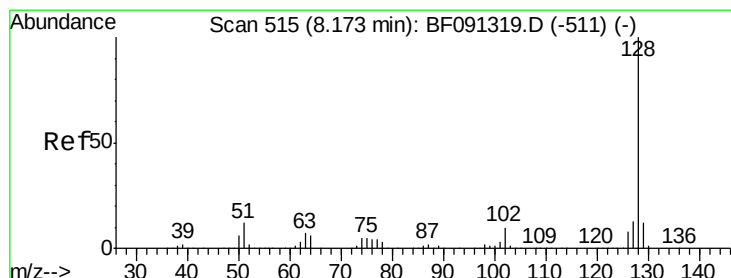
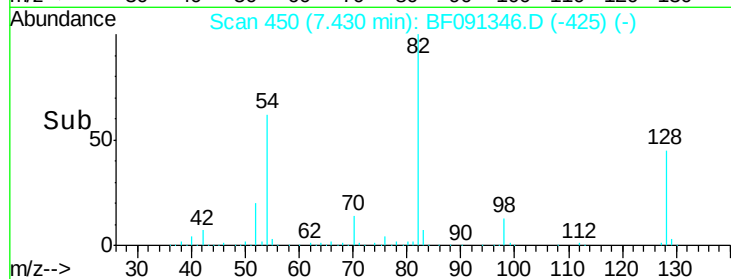
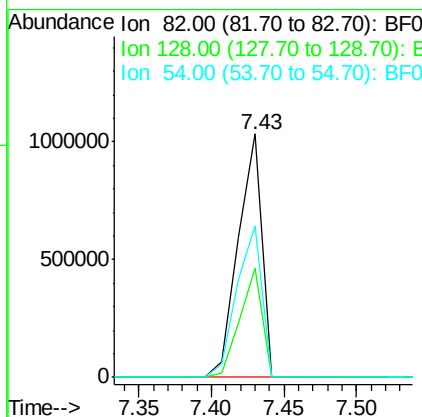
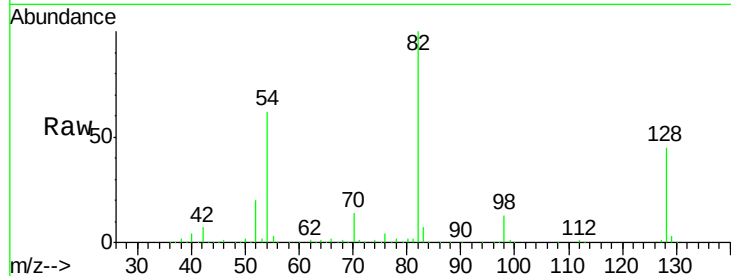
#23
Nitrobenzene-d5
Concen: 94.37 ng
RT: 7.43 min Scan# 450
Delta R.T. -0.02 min
Lab File: BF091346.D
Acq: 30 Nov 2016 11:27

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-1

Tot Ion	82	Resp	1169178
Ion	Ratio	Lower	Upper
82	100		
128	44.9	31.8	47.6
54	62.4	49.1	73.7

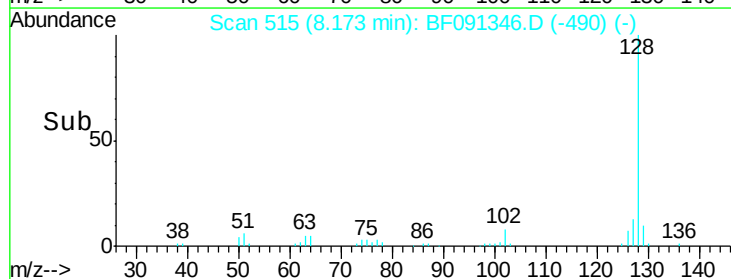
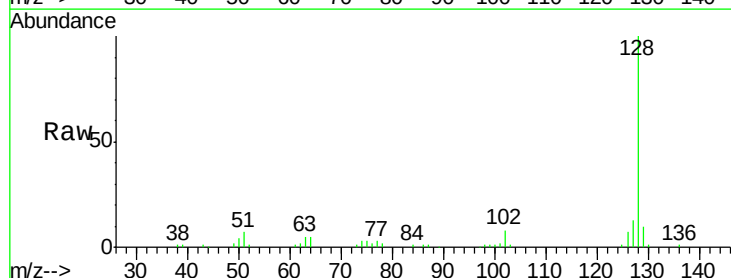
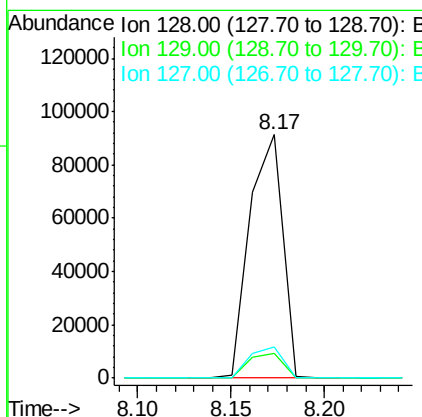
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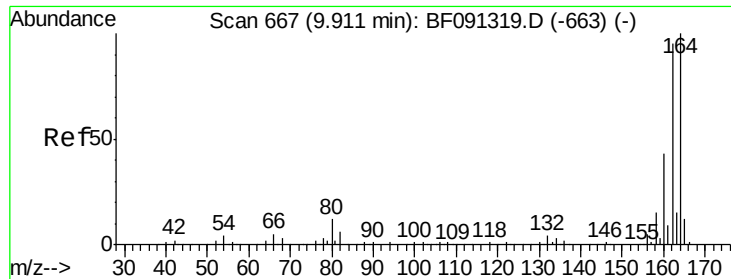
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#31
Naphthalene
Concen: 3.39 ng
RT: 8.17 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF091346.D
Acq: 30 Nov 2016 11:27

Tgt Ion	128	Resp	111712
Ion	Ratio	Lower	Upper
128	100		
129	10.2	9.1	13.7
127	12.9	11.0	16.4





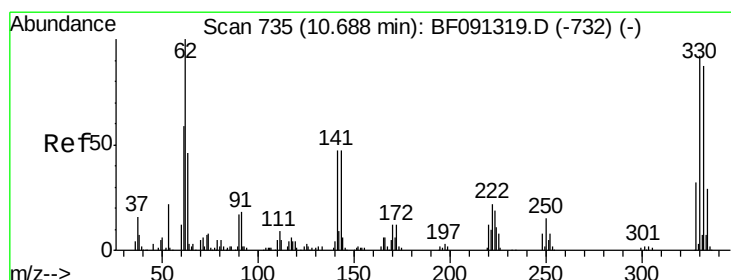
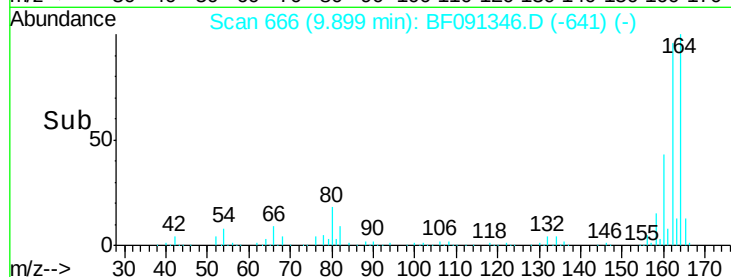
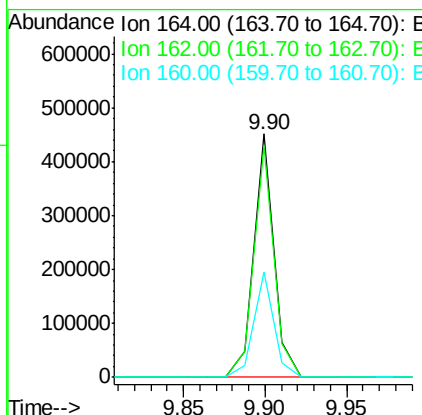
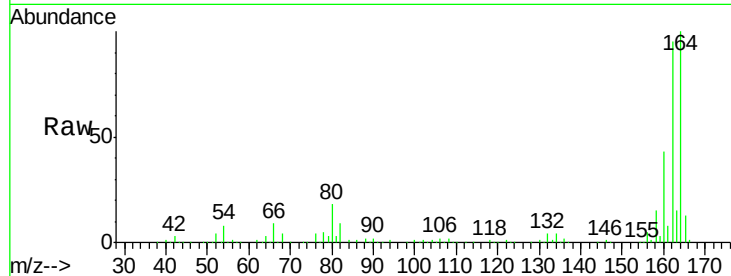
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 666
Delta R.T. -0.02 min
Lab File: BF091346.D
Acq: 30 Nov 2016 11:27

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
164	100				
162	95.4	82.6	124.0		
160	43.1	36.7	55.1		

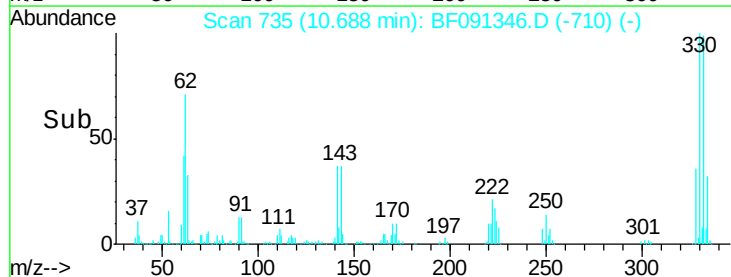
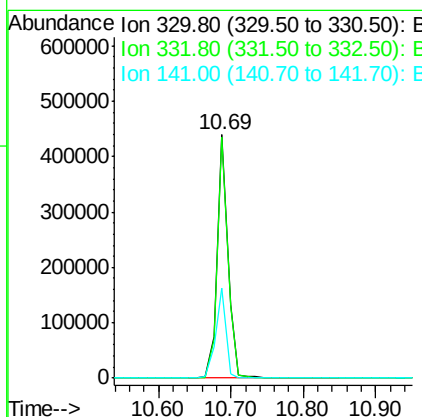
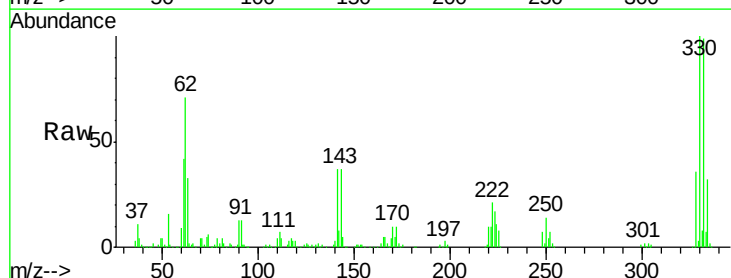
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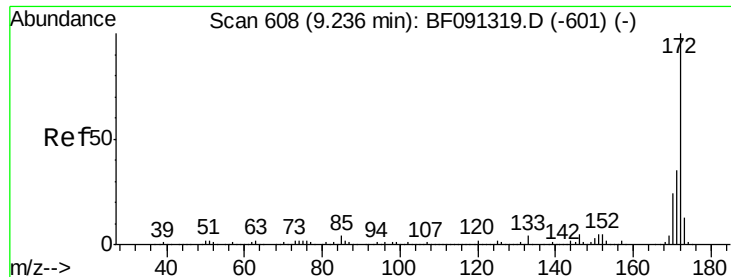
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#41
2,4,6-Tribromophenol
Concen: 124.36 ng
RT: 10.69 min Scan# 735
Delta R.T. -0.02 min
Lab File: BF091346.D
Acq: 30 Nov 2016 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
330	100				
332	97.9	76.2	114.4		
141	34.8	33.6	50.4		





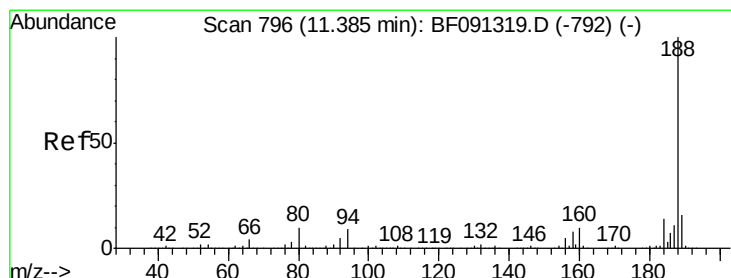
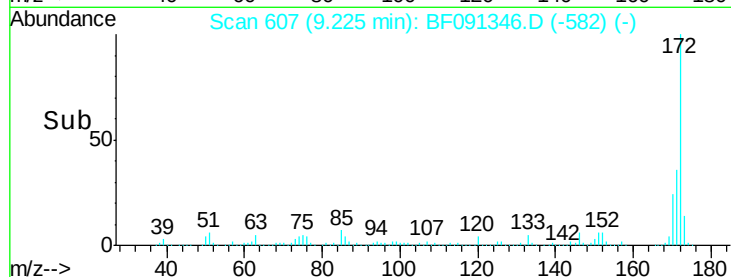
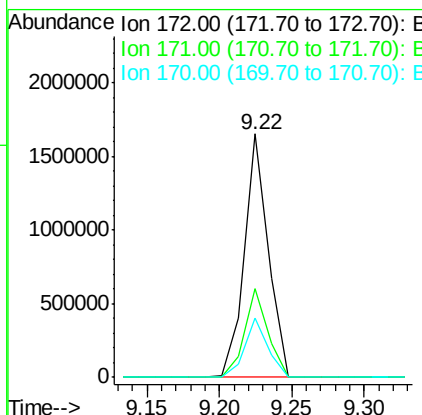
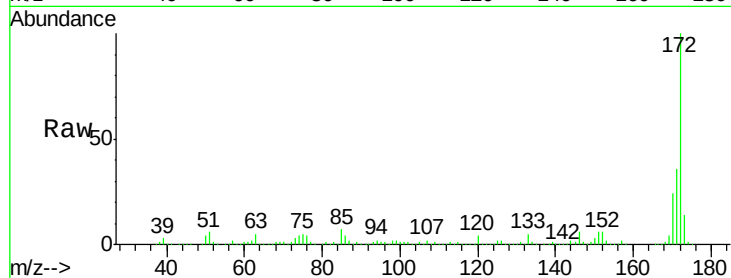
#44
2-Fluorobiphenyl
Concen: 87.87 ng
RT: 9.22 min Scan# 607
Delta R.T. -0.02 min
Lab File: BF091346.D
Acq: 30 Nov 2016 11:27

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.4	19.7	29.5

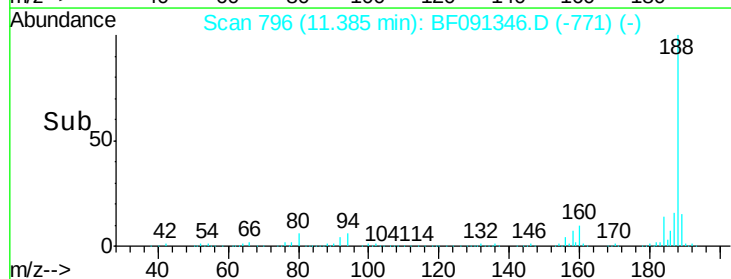
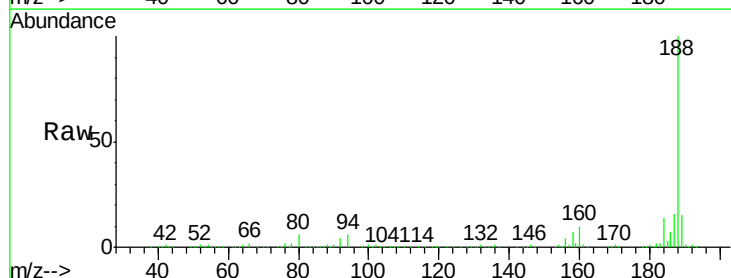
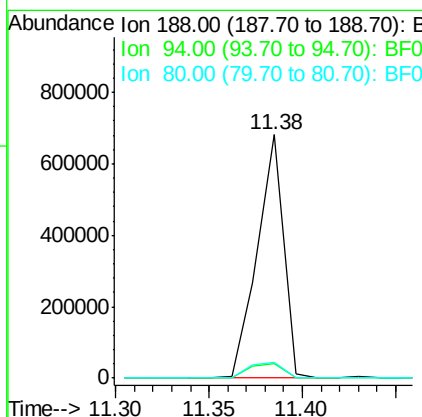
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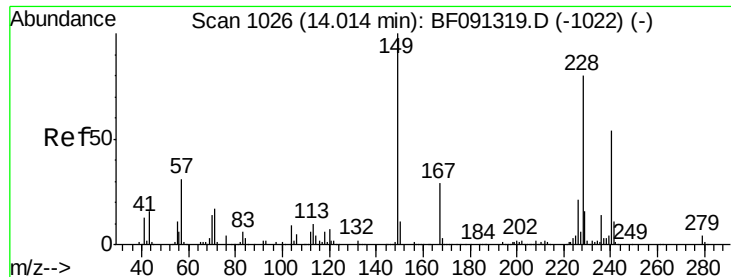
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF091346.D
Acq: 30 Nov 2016 11:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	9.2	13.8#
80	6.4	10.5	15.7#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF091346.D

Acq: 30 Nov 2016 11:27

Instrument :

BNA_F

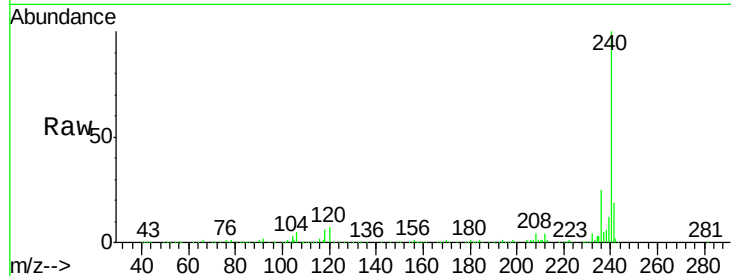
ClientSampleId :

GRID-MM4-1

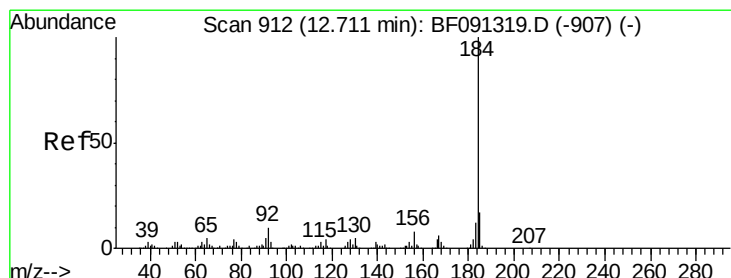
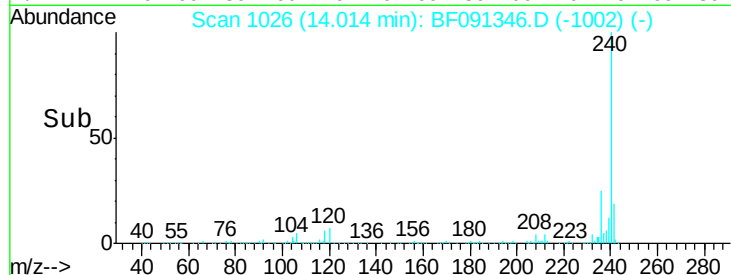
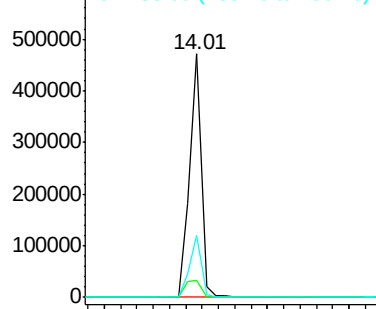
Tot Ion	Ratio	Lower	Upper
240	100		
120	7.2	12.1	18.1#
236	25.2	21.0	31.6

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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



#76

Benzidine

Concen: 3.90 ng

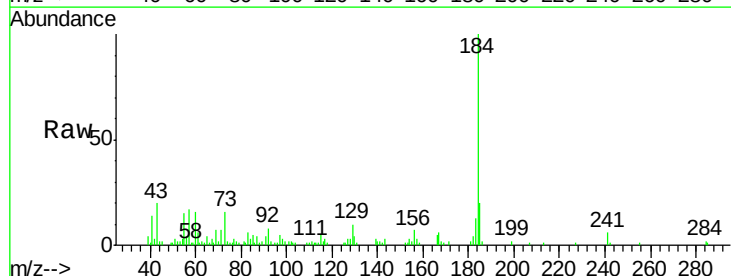
RT: 12.71 min Scan# 912

Delta R.T. -0.02 min

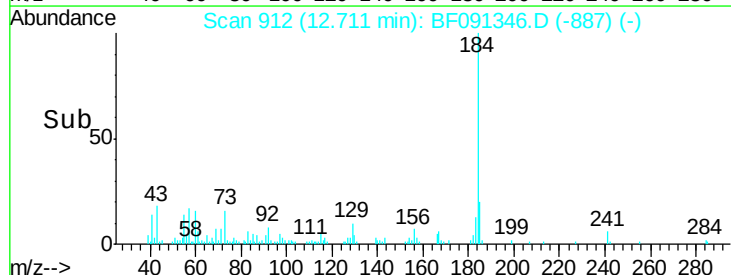
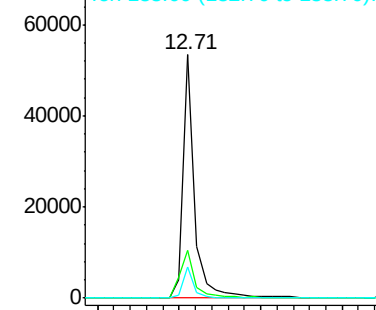
Lab File: BF091346.D

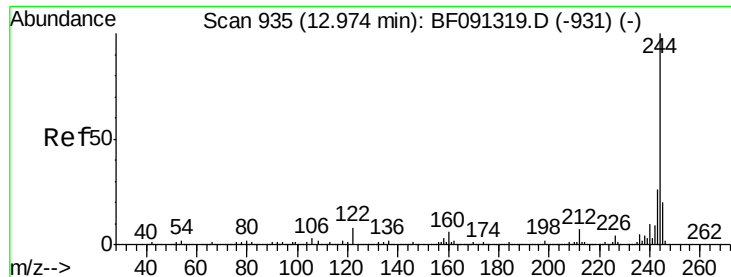
Acq: 30 Nov 2016 11:27

Tgt Ion	Ratio	Lower	Upper
184	100		
185	19.6	13.1	19.7
183	12.6	8.9	13.3



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





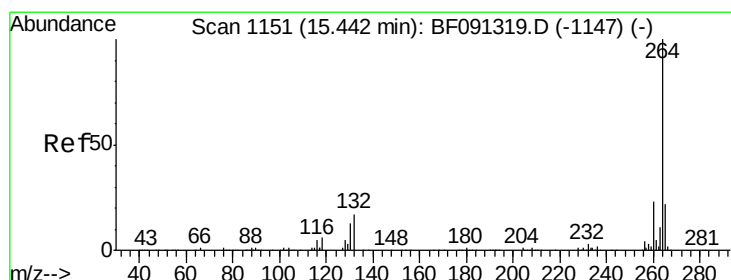
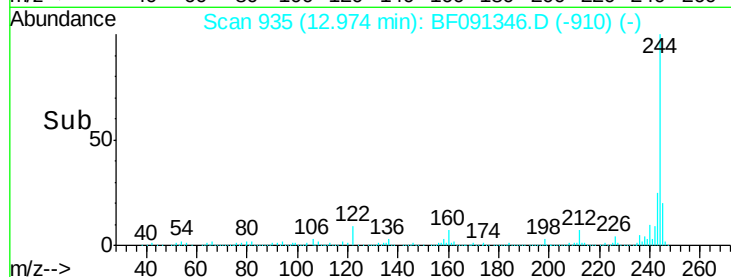
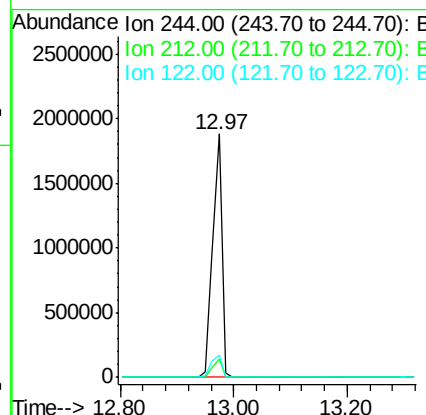
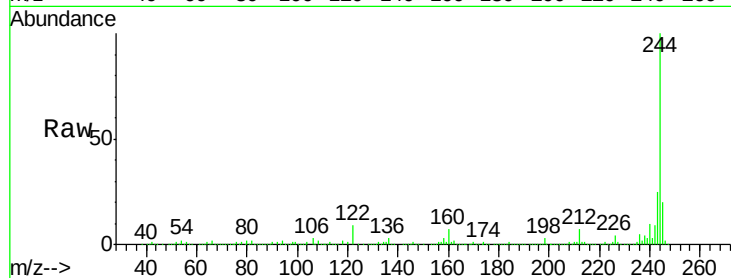
#78
 Terphenyl-d14
 Concen: 91.97 ng
 RT: 12.97 min Scan# 935
 Delta R.T. -0.02 min
 Lab File: BF091346.D
 Acq: 30 Nov 2016 11:27

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.5	9.7
122	9.0	9.5	14.3

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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1151
 Delta R.T. -0.03 min
 Lab File: BF091346.D
 Acq: 30 Nov 2016 11:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.8	28.2
265	21.6	17.0	25.6

