

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050216\
 Data File : BF086632.D
 Acq On : 2 May 2016 22:16
 Operator : UM/SJ
 Sample : H2762-10DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1COMPDL

Quant Time: May 03 02:04:35 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

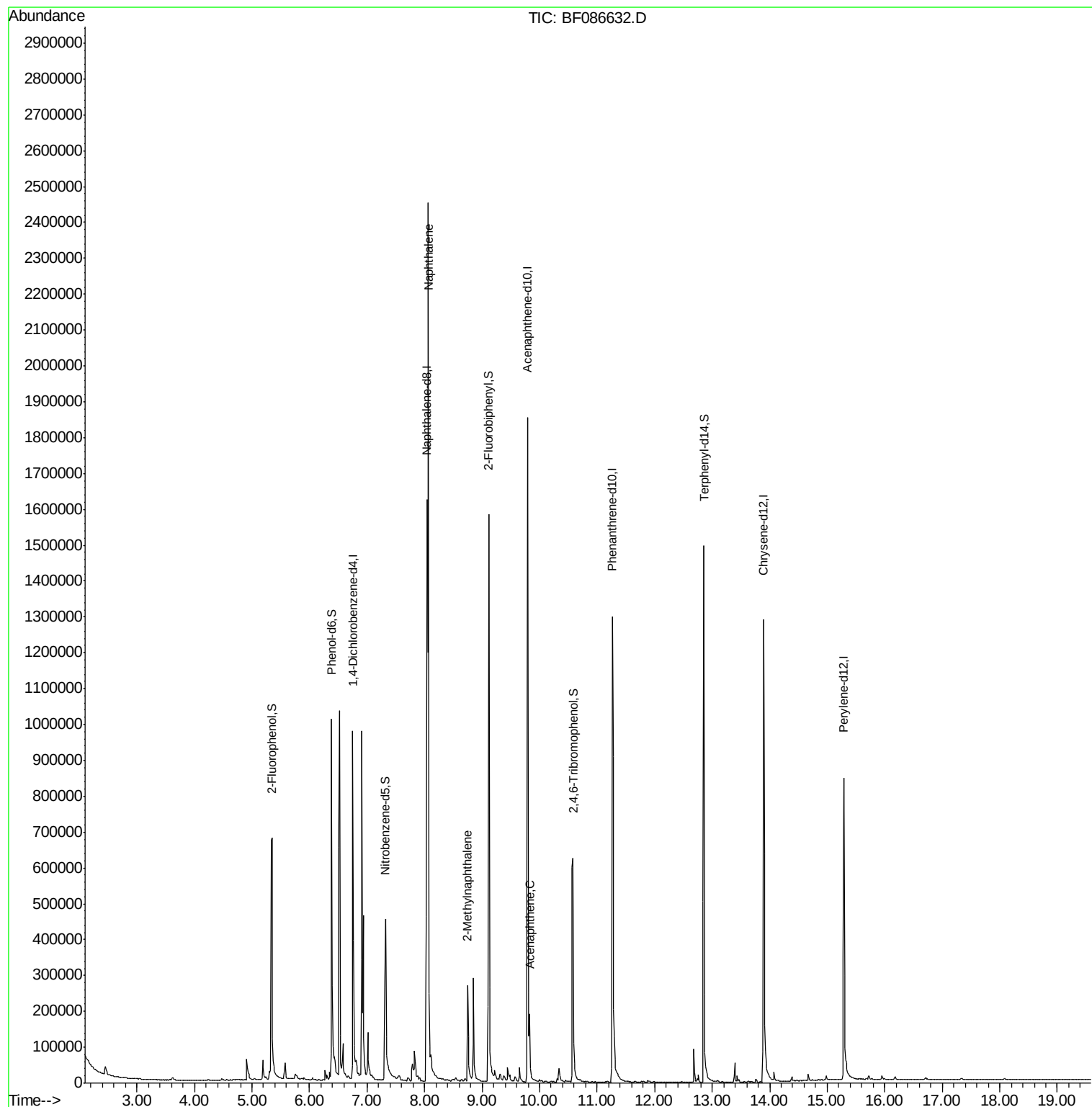
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	169013	20.00	ng	-0.06
21) Naphthalene-d8	8.04	136	760025	20.00	ng	-0.06
38) Acenaphthene-d10	9.79	164	376007	20.00	ng	-0.06
63) Phenanthrene-d10	11.26	188	714236	20.00	ng	-0.06
75) Chrysene-d12	13.89	240	616789	20.00	ng	-0.07
86) Perylene-d12	15.29	264	432171	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	297560	30.37	ng	-0.04
7) Phenol-d6	6.38	99	399241	29.19	ng	-0.06
23) Nitrobenzene-d5	7.32	82	252460	17.90	ng	-0.06
41) 2,4,6-Tribromophenol	10.58	330	119889	30.23	ng	-0.06
44) 2-Fluorobiphenyl	9.12	172	544163	17.77	ng	-0.06
78) Terphenyl-d14	12.85	244	567555	20.27	ng	-0.06
Target Compounds						Qvalue
31) Naphthalene	8.06	128	1285257	33.23	ng	99
37) 2-Methylnaphthalene	8.75	142	103112	4.52	ng	97
51) Acenaphthene	9.82	154	48810	2.03	ng	97

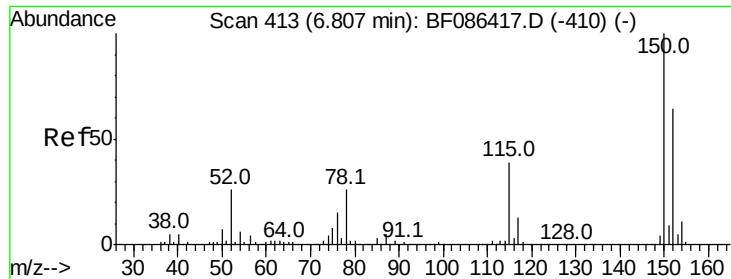
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.06 min

Lab File: BF086632.D

Acq: 2 May 2016 22:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

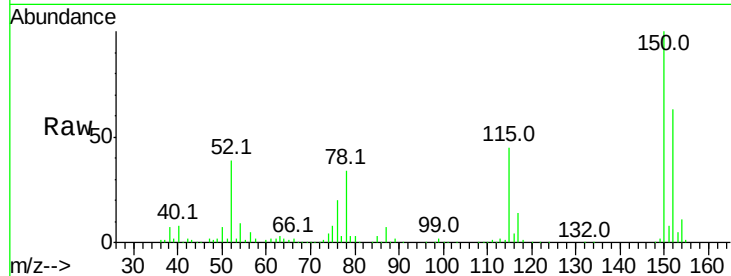
Tot Ion:152 Resp: 169013

Ion Ratio Lower Upper

152 100

150 159.8 125.8 188.6

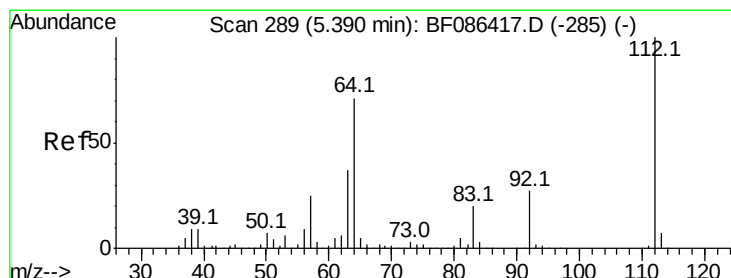
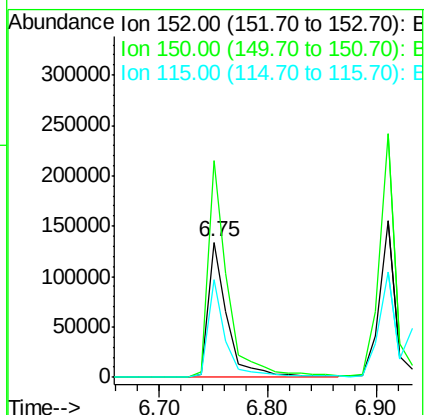
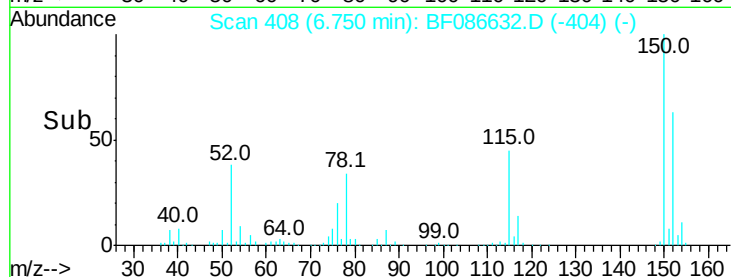
115 71.9 51.5 77.3



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: 30.37 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.04 min

Lab File: BF086632.D

Acq: 2 May 2016 22:16

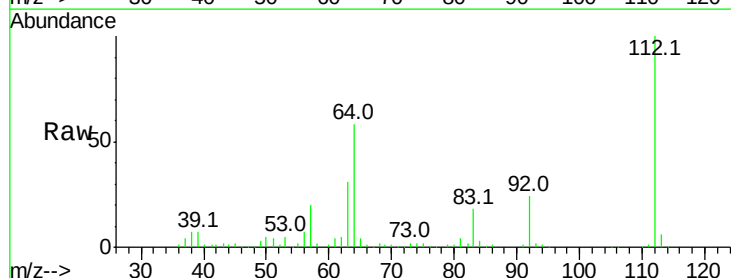
Tgt Ion:112 Resp: 297560

Ion Ratio Lower Upper

112 100

64 57.9 52.1 78.1

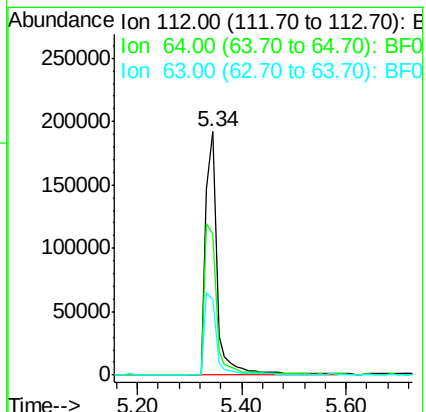
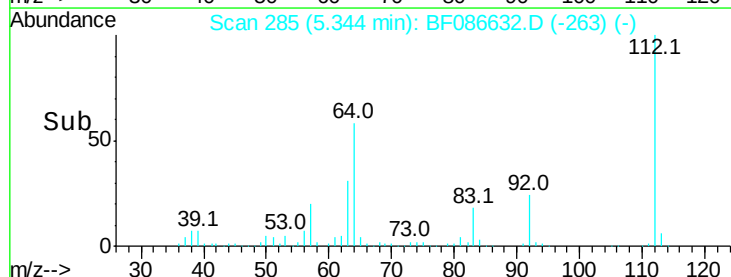
63 31.3 25.7 38.5

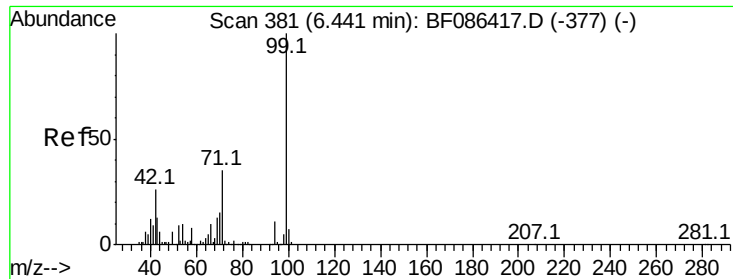


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 29.19 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF086632.D

Acq: 2 May 2016 22:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

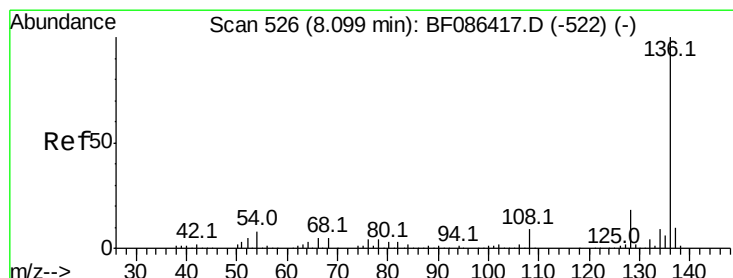
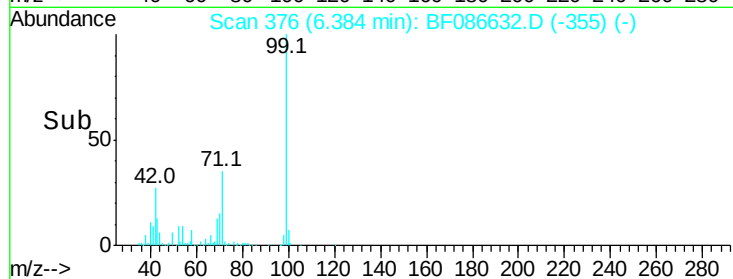
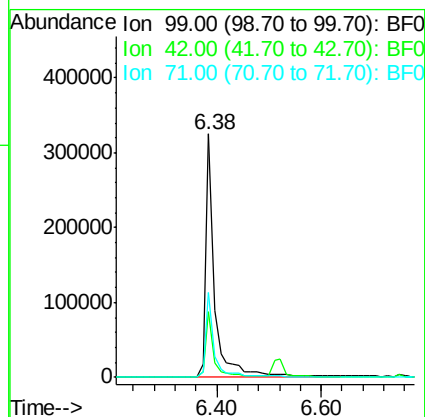
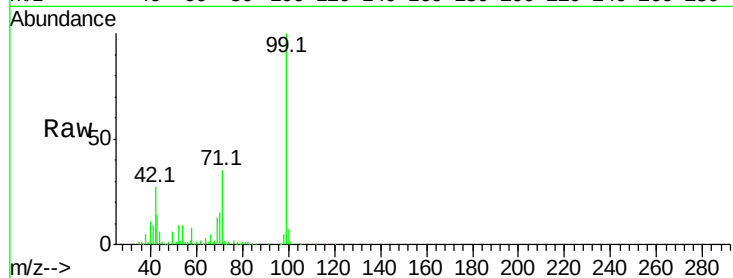
Tot Ion: 99 Resp: 399241

Ion Ratio Lower Upper

99 100

42 26.7 13.6 20.4#

71 34.8 24.6 36.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.06 min

Lab File: BF086632.D

Acq: 2 May 2016 22:16

Tgt Ion: 136 Resp: 760025

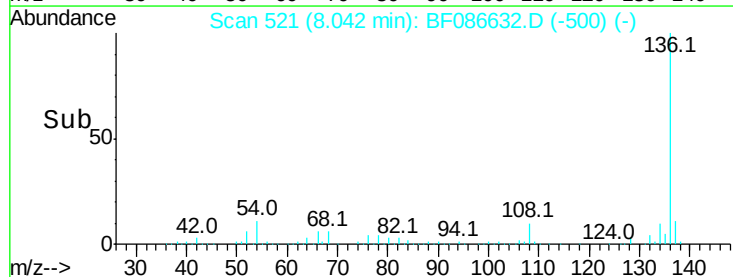
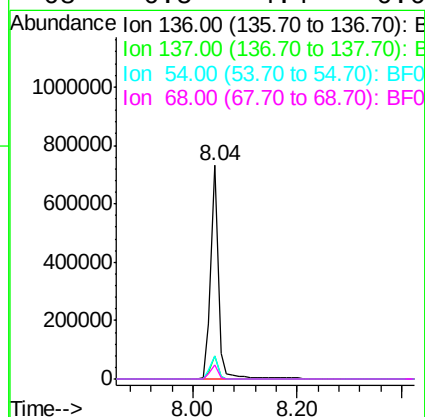
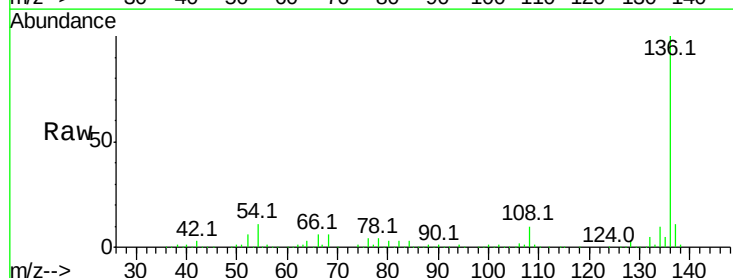
Ion Ratio Lower Upper

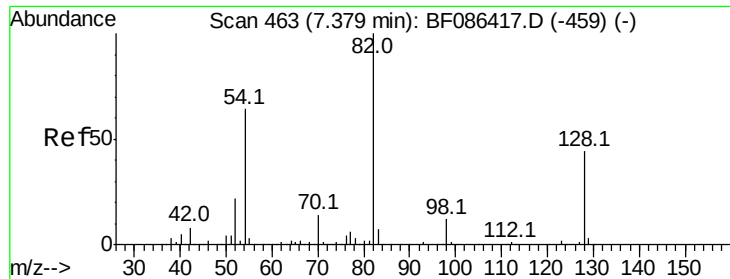
136 100

137 11.1 8.8 13.2

54 10.9 5.0 7.4#

68 6.5 4.4 6.6





#23

Nitrobenzene-d5

Concen: 17.90 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.06 min

Lab File: BF086632.D

Acq: 2 May 2016 22:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

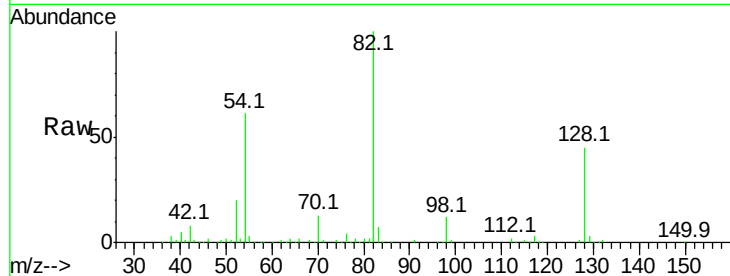
Tot Ion: 82 Resp: 252460

Ion Ratio Lower Upper

82 100

128 44.9 40.6 61.0

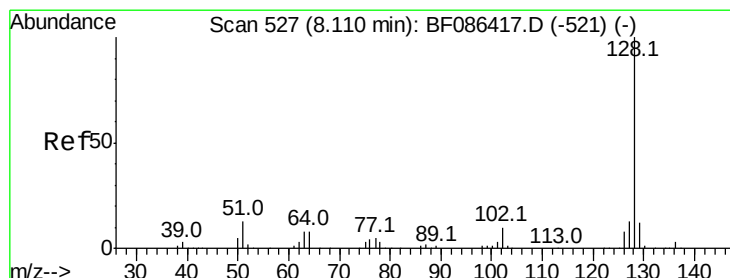
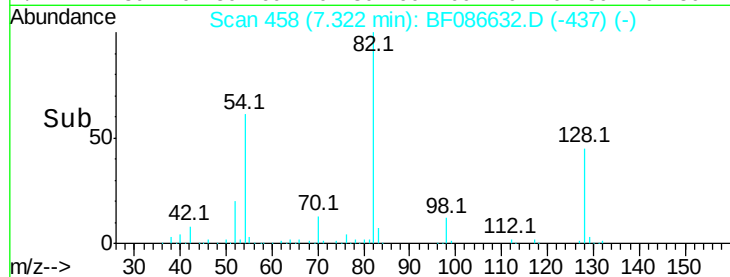
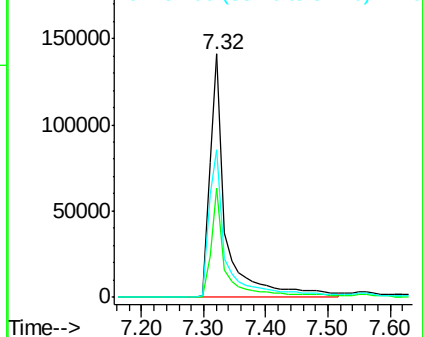
54 60.7 38.1 57.1#



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



#31

Naphthalene

Concen: 33.23 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.05 min

Lab File: BF086632.D

Acq: 2 May 2016 22:16

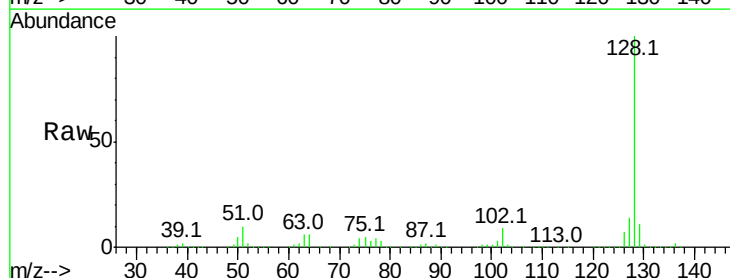
Tgt Ion: 128 Resp: 1285257

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

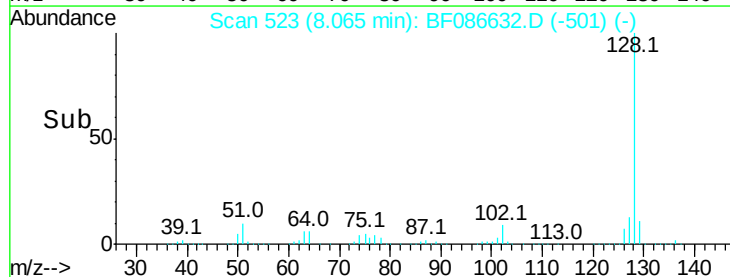
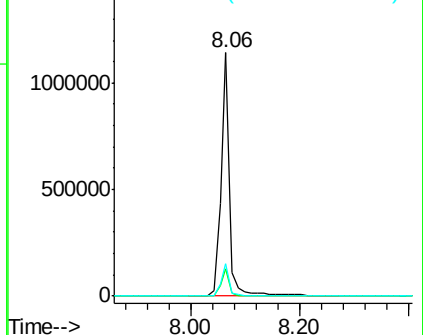
127 13.6 10.8 16.2

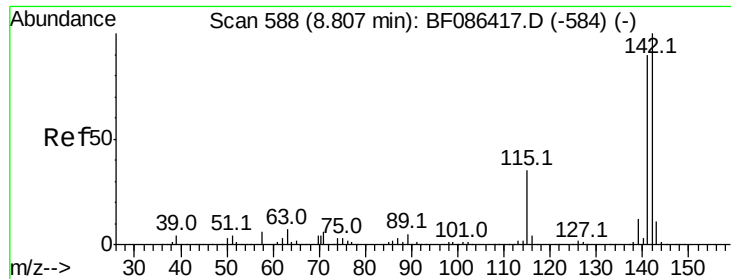


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

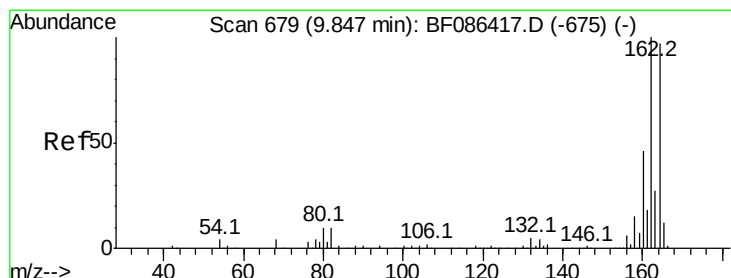
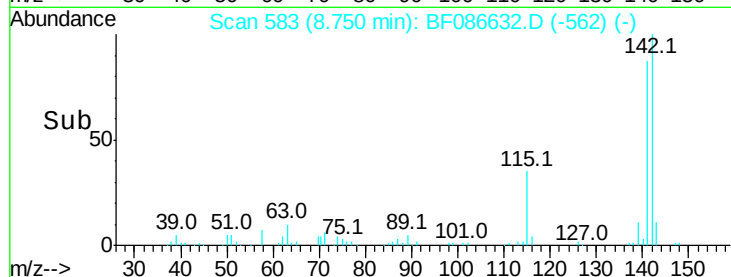
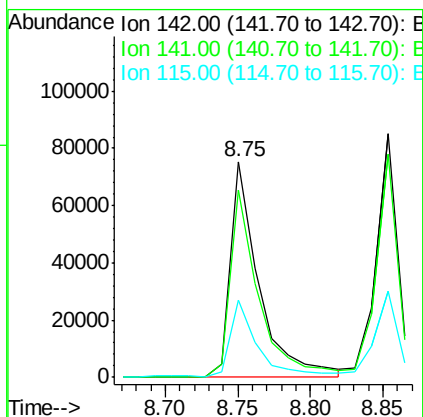
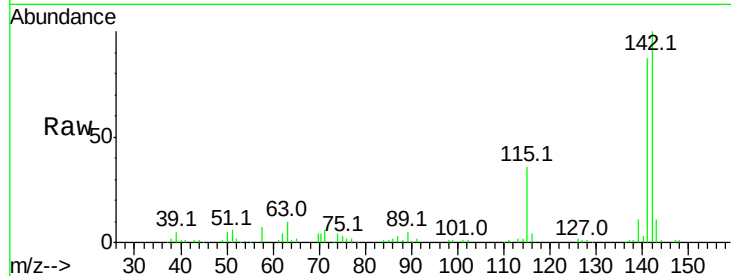




#37
2-Methylnaphthalene
Concen: 4.52 ng
RT: 8.75 min Scan# 583
Delta R.T. -0.06 min
Lab File: BF086632.D
Acq: 2 May 2016 22:16

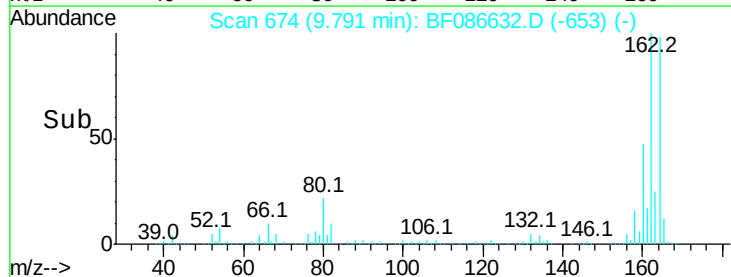
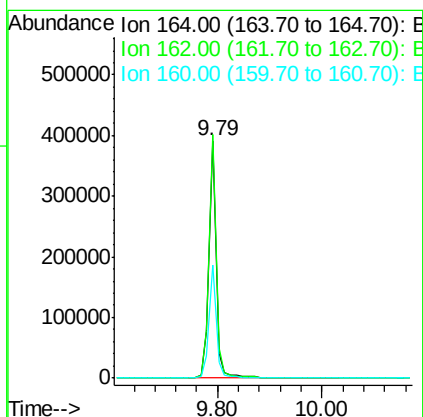
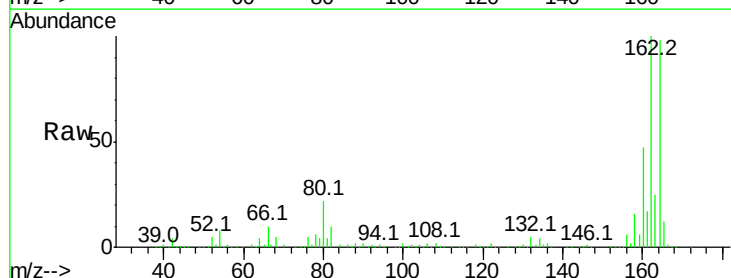
Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL

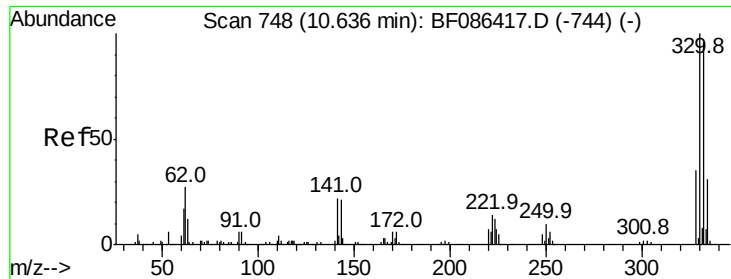
Tot Ion:142 Resp: 103112
Ion Ratio Lower Upper
142 100
141 87.0 71.0 106.6
115 35.9 26.6 39.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.06 min
Lab File: BF086632.D
Acq: 2 May 2016 22:16

Tgt Ion:164 Resp: 376007
Ion Ratio Lower Upper
164 100
162 102.5 82.8 124.2
160 47.8 36.9 55.3

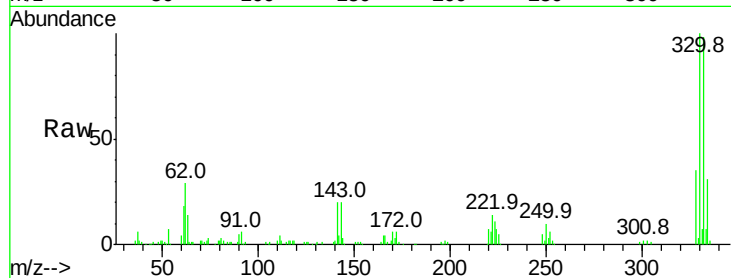




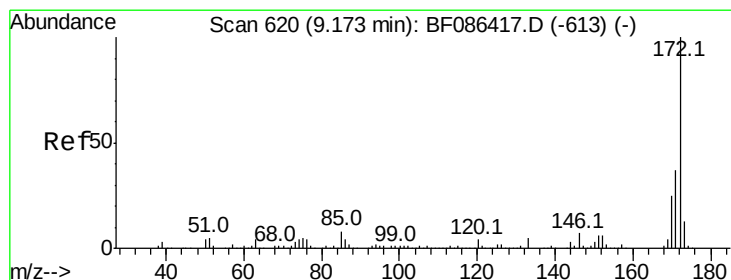
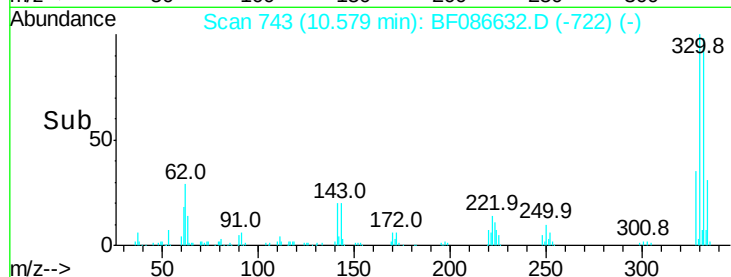
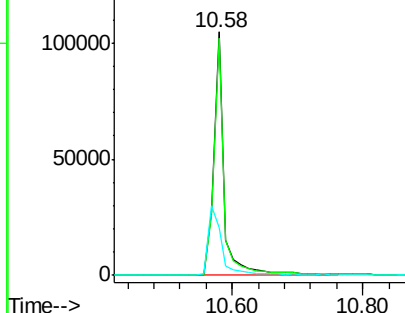
#41
 2,4,6-Tribromophenol
 Concen: 30.23 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.06 min
 Lab File: BF086632.D
 Acq: 2 May 2016 22:16

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1COMPDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.0	118.4
141	37.2	31.2	46.8

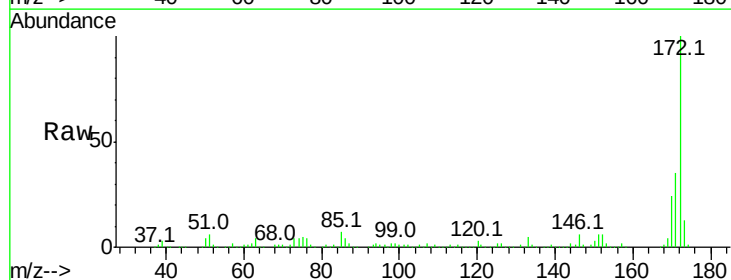


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

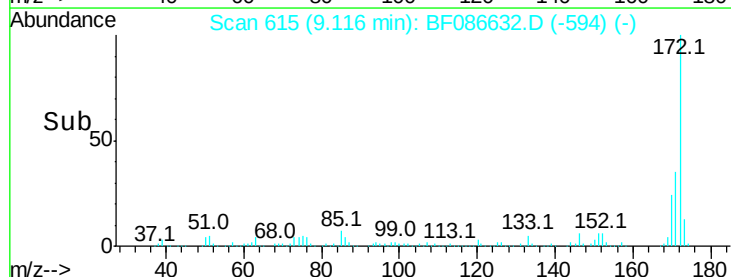
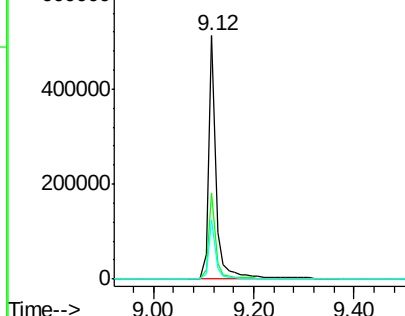


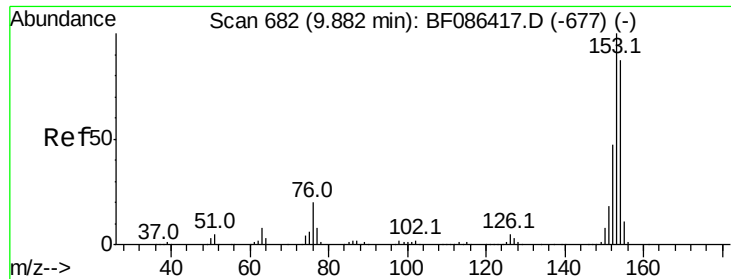
#44
 2-Fluorobiphenyl
 Concen: 17.77 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.06 min
 Lab File: BF086632.D
 Acq: 2 May 2016 22:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.6
170	24.2	19.8	29.8



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

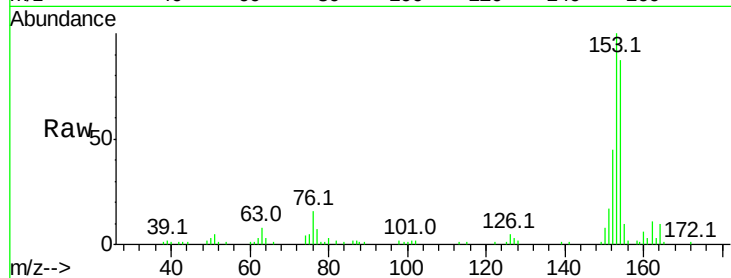




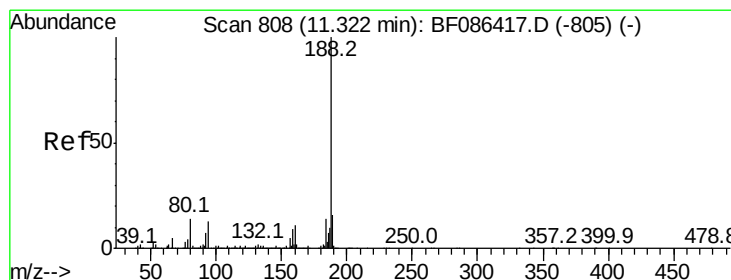
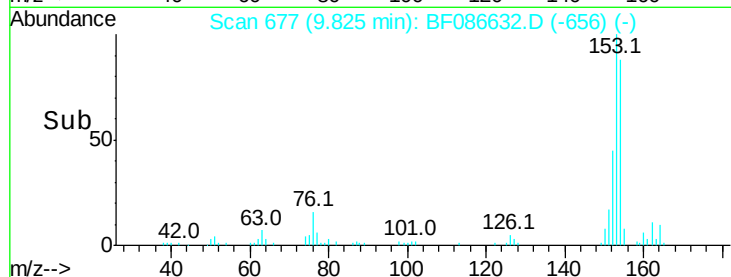
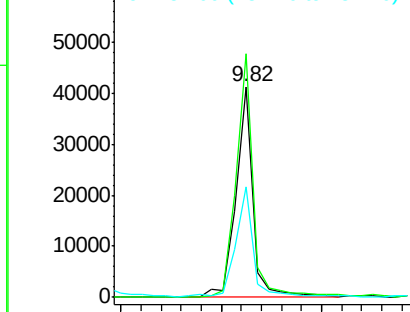
#51
Acenaphthene
Concen: 2.03 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.06 min
Lab File: BF086632.D
Acq: 2 May 2016 22:16

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL

Tot Ion:154 Resp: 48810
Ion Ratio Lower Upper
154 100
153 115.6 89.8 134.6
152 52.4 43.4 65.0

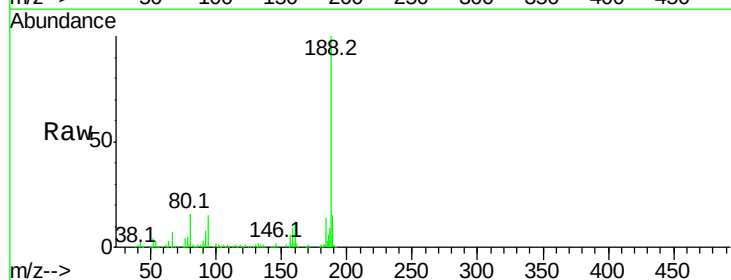


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

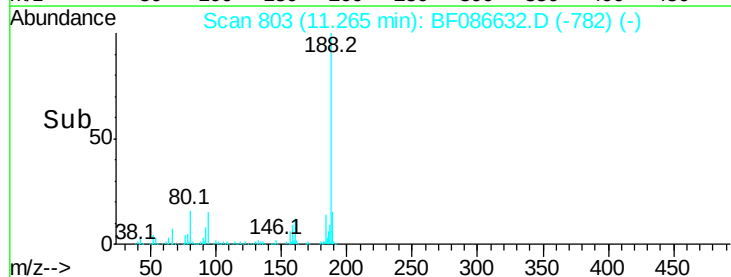
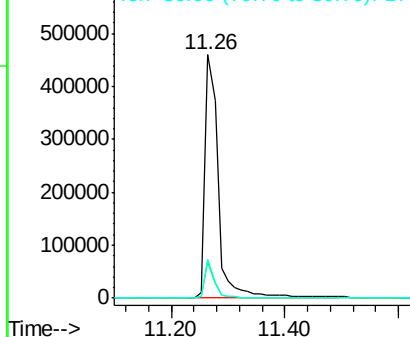


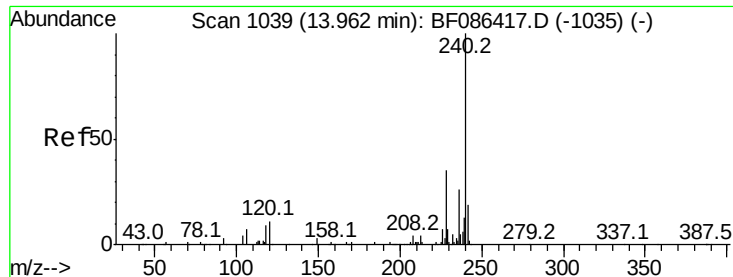
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.06 min
Lab File: BF086632.D
Acq: 2 May 2016 22:16

Tgt Ion:188 Resp: 714236
Ion Ratio Lower Upper
188 100
94 14.6 6.8 10.2#
80 16.1 7.1 10.7#



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: 13.89 min Scan# 1033

Delta R.T. -0.07 min

Lab File: BF086632.D

Acq: 2 May 2016 22:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

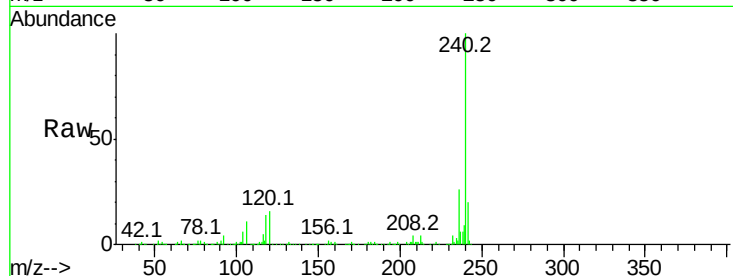
Tot Ion:240 Resp: 616789

Ion Ratio Lower Upper

240 100

120 16.2 11.2 16.8

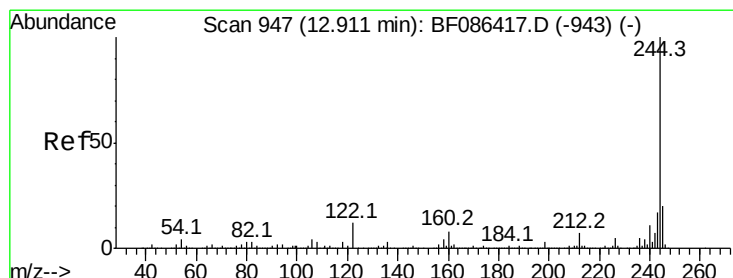
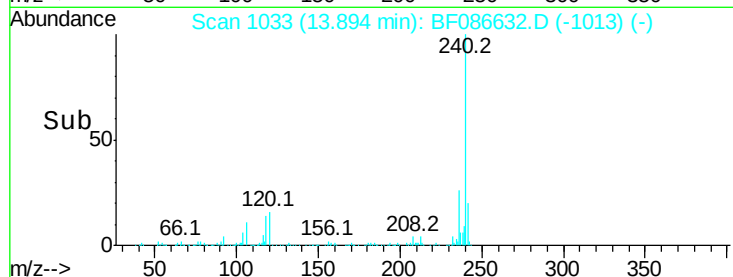
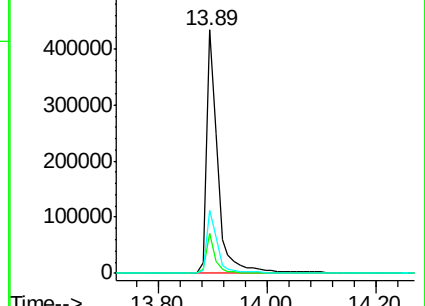
236 26.1 21.2 31.8



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: 20.27 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.06 min

Lab File: BF086632.D

Acq: 2 May 2016 22:16

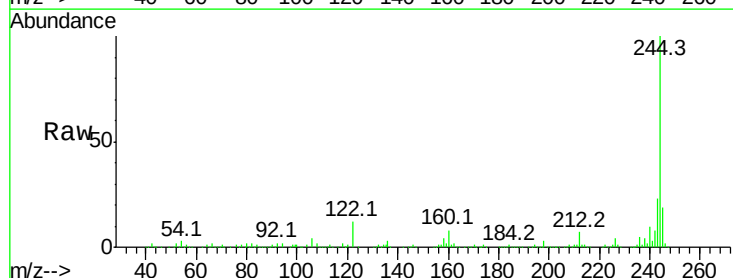
Tgt Ion:244 Resp: 567555

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

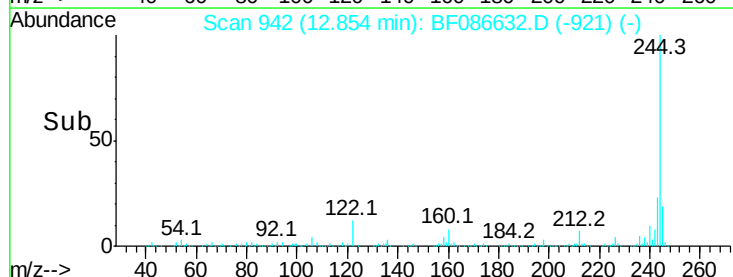
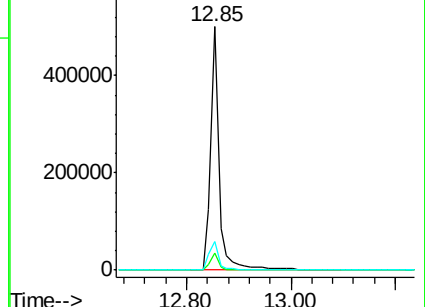
122 11.7 12.0 18.0#

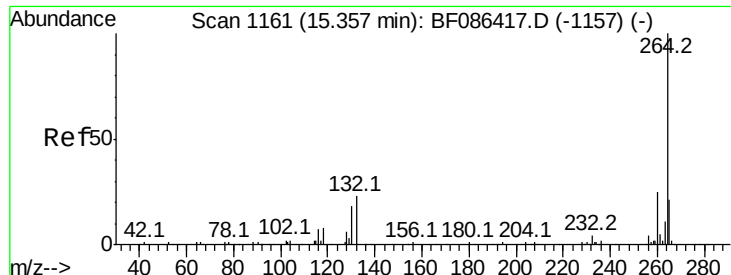


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

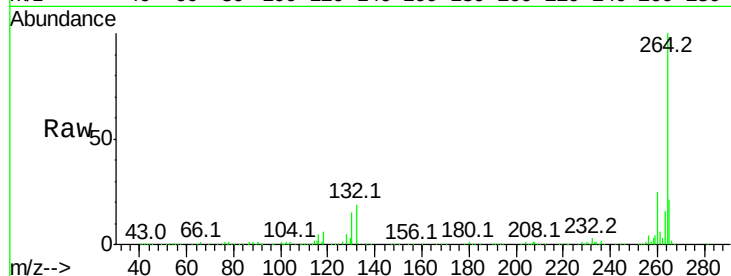




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. -0.07 min
 Lab File: BF086632.D
 Acq: 2 May 2016 22:16

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1COMPDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
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

