

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021716\
 Data File : BF085091.D
 Acq On : 17 Feb 2016 17:28
 Operator : SJ/IZ
 Sample : H1409-02DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)DL

Quant Time: Feb 17 18:03:33 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 17 16:42:47 2016
 Response via : Initial Calibration

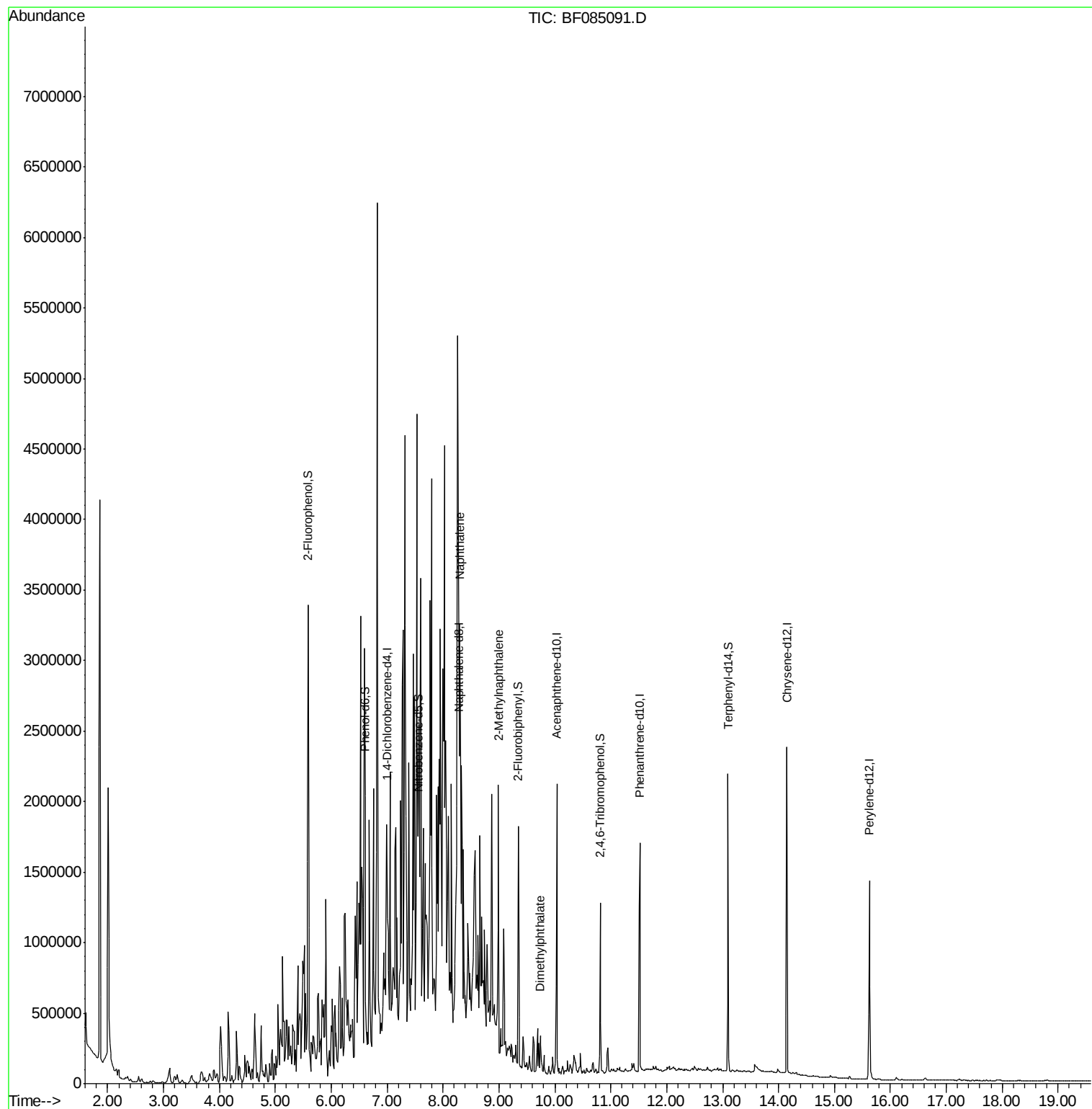
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.99	152	186228	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	715963	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	399308	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	772903	20.00	ng	0.00
75) Chrysene-d12	14.15	240	758887	20.00	ng	-0.01
86) Perylene-d12	15.62	264	686740	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	380455	35.71	ng	0.00
7) Phenol-d6	6.60	99	498462	37.21	ng	-0.01
23) Nitrobenzene-d5	7.55	82	294124	25.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	138944	32.78	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	517700	19.16	ng	-0.01
78) Terphenyl-d14	13.10	244	623812	23.02	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.30	128	680280	19.77	ng	# 88
37) 2-Methylnaphthalene	8.99	142	582384	26.03	ng	97
49) Dimethylphthalate	9.74	163	90420	3.09	ng	# 97

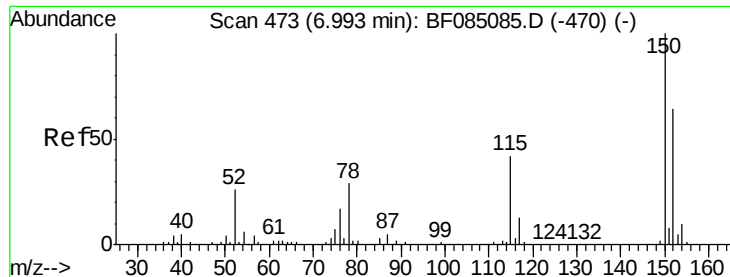
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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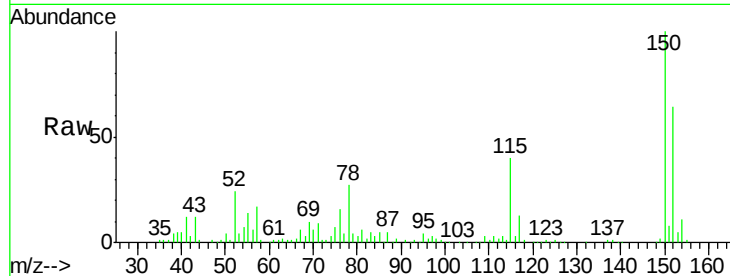


#1

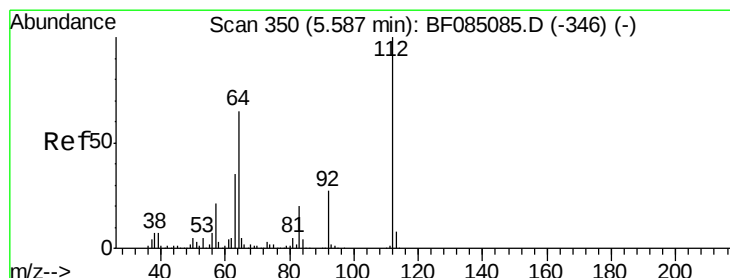
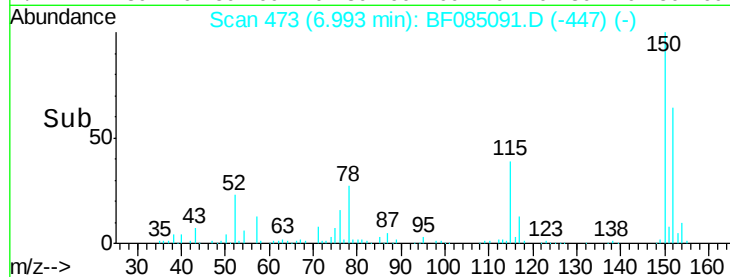
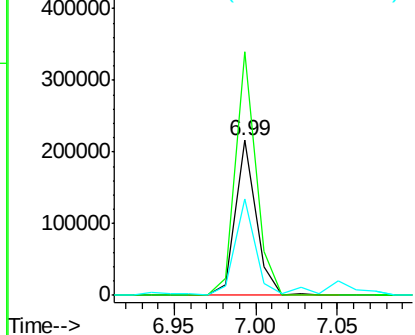
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.99 min Scan# 473
 Delta R.T. 0.00 min
 Lab File: BF085091.D
 Acq: 17 Feb 2016 17:28

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)DL

Tot Ion:152 Resp: 186228
 Ion Ratio Lower Upper
 152 100
 150 157.0 127.4 191.2
 115 62.3 50.5 75.7



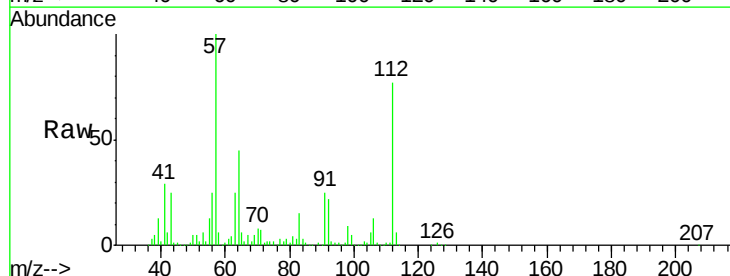
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



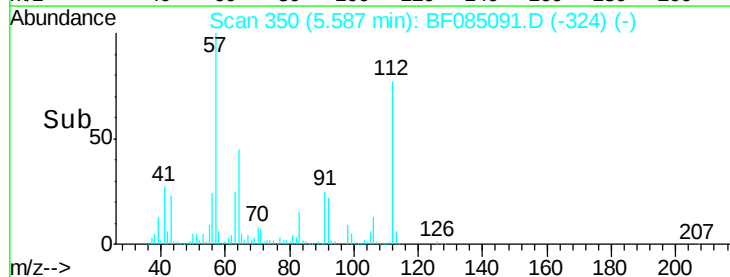
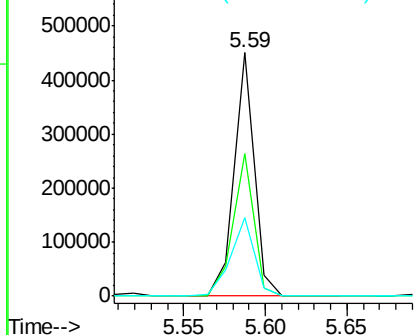
#5

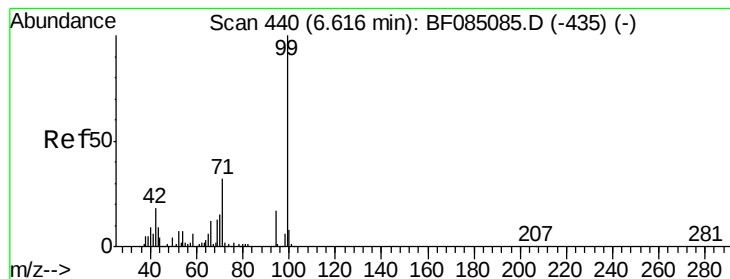
2-Fluorophenol
 Concen: 35.71 ng
 RT: 5.59 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: BF085091.D
 Acq: 17 Feb 2016 17:28

Tgt Ion:112 Resp: 380455
 Ion Ratio Lower Upper
 112 100
 64 58.7 45.4 68.2
 63 32.1 23.2 34.8



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: 37.21 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF085091.D

Acq: 17 Feb 2016 17:28

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)DL

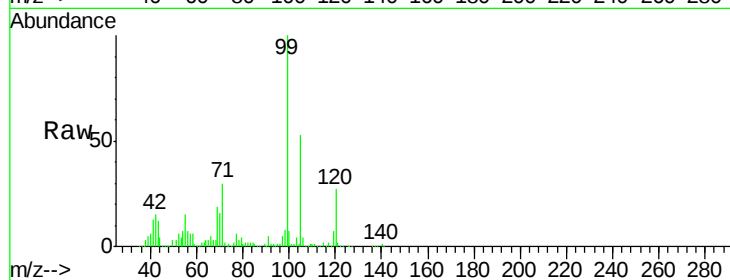
Tot Ion: 99 Resp: 498462

Ion Ratio Lower Upper

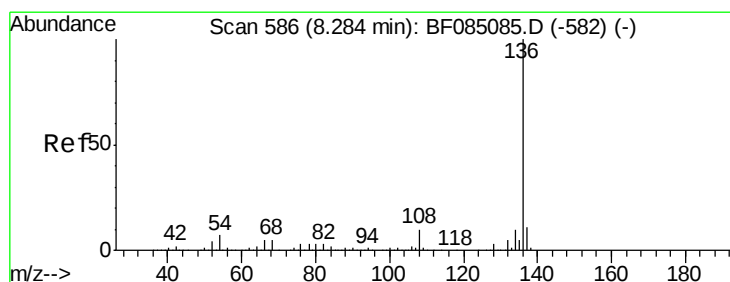
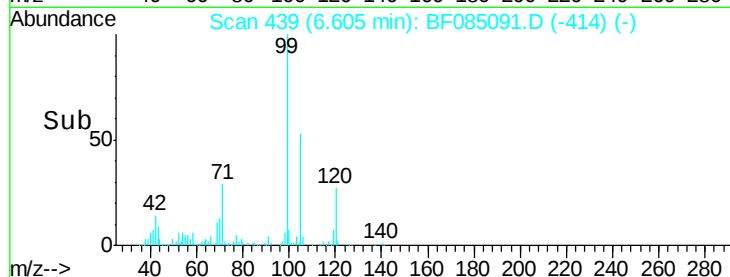
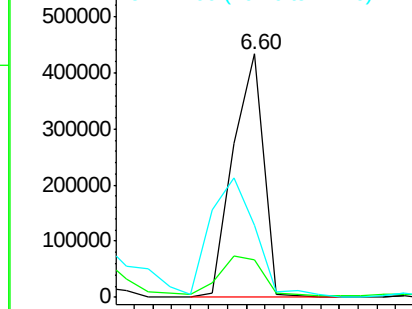
99 100

42 15.3 17.0 25.4#

71 29.8 28.3 42.5



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: 8.28 min Scan# 586

Delta R.T. 0.00 min

Lab File: BF085091.D

Acq: 17 Feb 2016 17:28

Tgt Ion: 136 Resp: 715963

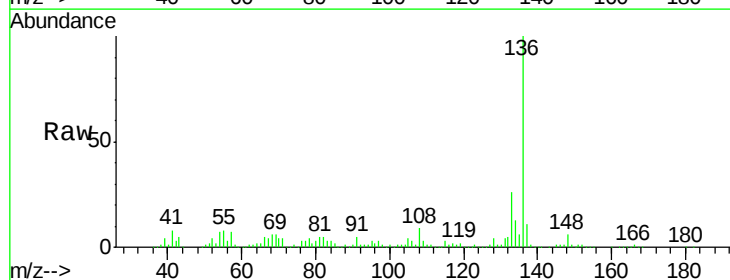
Ion Ratio Lower Upper

136 100

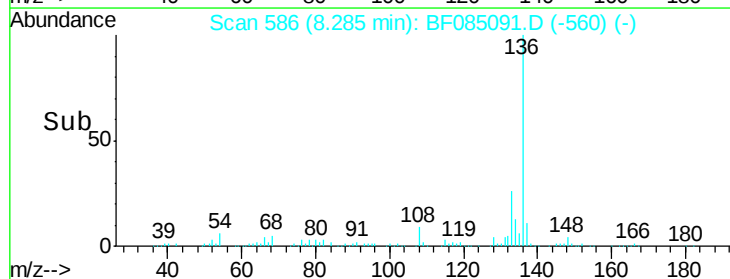
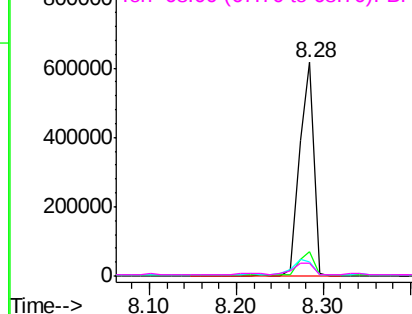
137 11.2 8.9 13.3

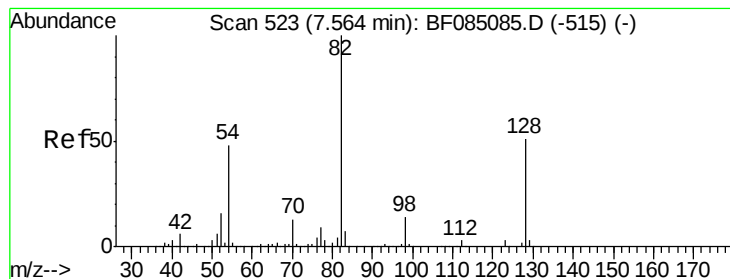
54 6.9 6.1 9.1

68 5.9 3.5 5.3#



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: 25.18 ng

RT: 7.55 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085091.D

Acq: 17 Feb 2016 17:28

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)DL

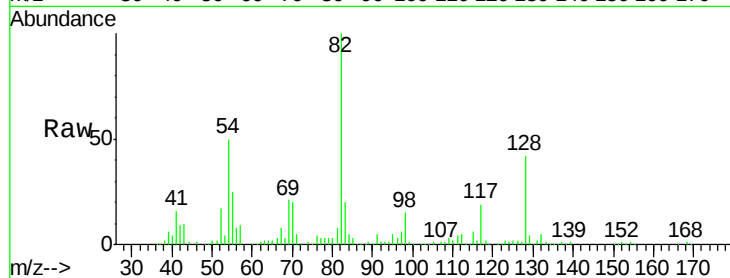
Tot Ion: 82 Resp: 294124

Ion Ratio Lower Upper

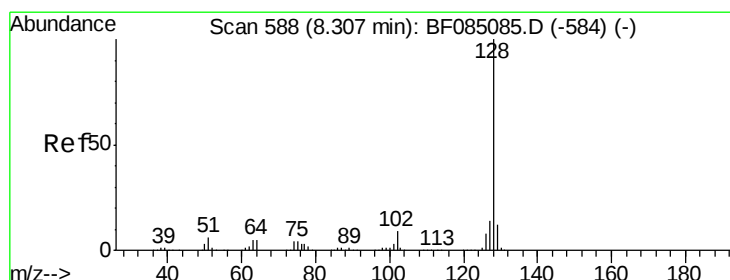
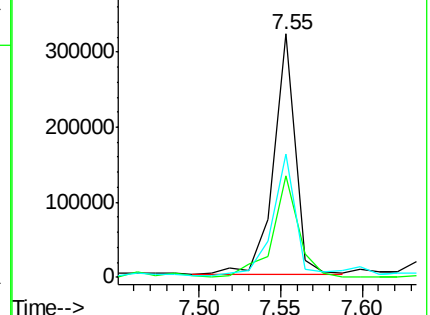
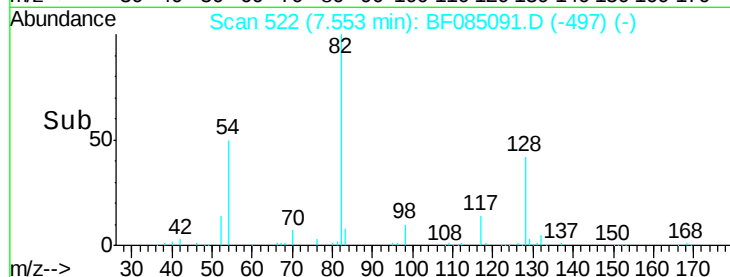
82 100

128 41.5 36.8 55.2

54 50.5 44.4 66.6



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: 19.77 ng

RT: 8.30 min Scan# 587

Delta R.T. -0.01 min

Lab File: BF085091.D

Acq: 17 Feb 2016 17:28

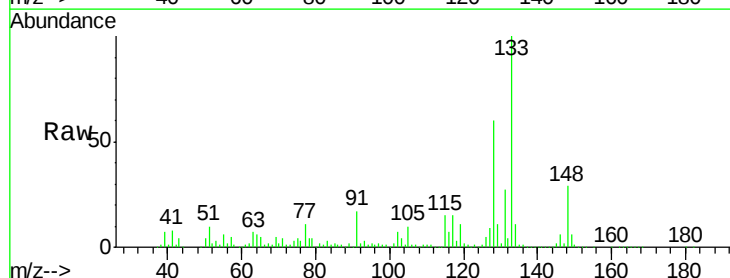
Tgt Ion:128 Resp: 680280

Ion Ratio Lower Upper

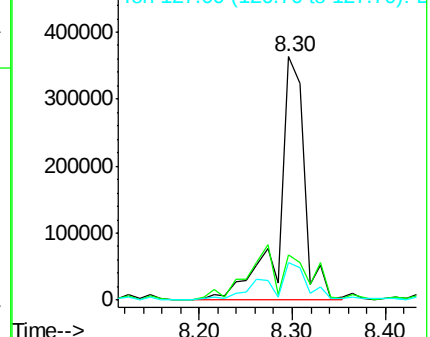
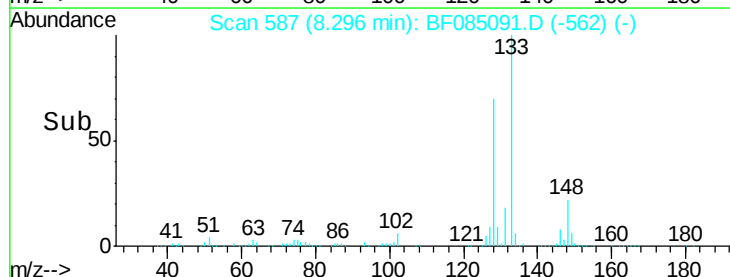
128 100

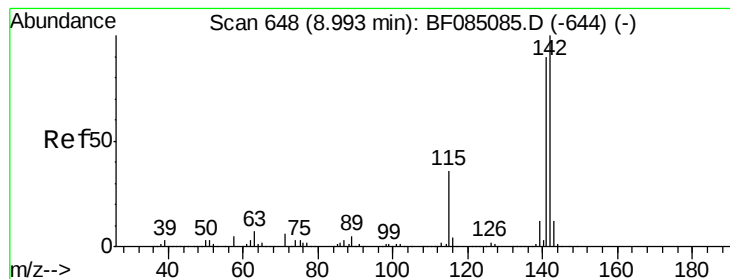
129 18.3 9.2 13.8#

127 15.5 10.3 15.5#



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

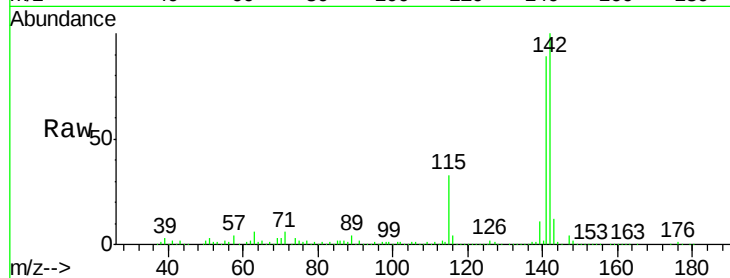




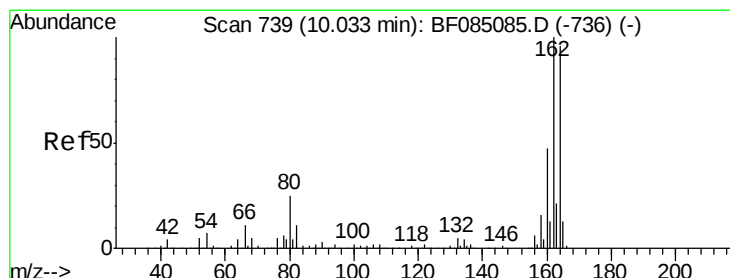
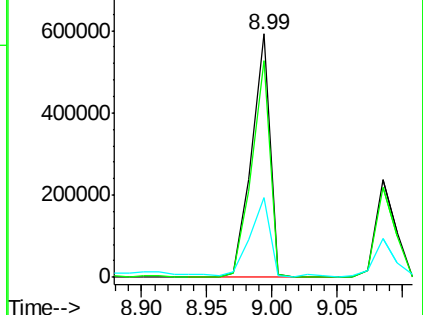
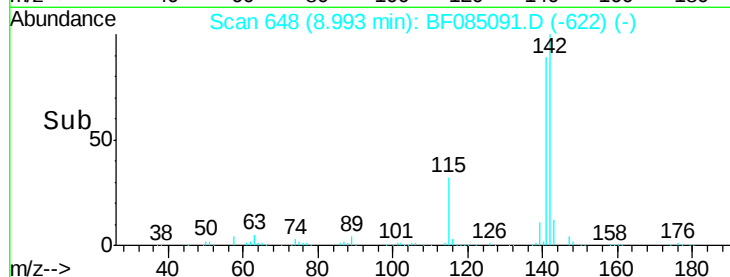
#37
 2-Methylnaphthalene
 Concen: 26.03 ng
 RT: 8.99 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BF085091.D
 Acq: 17 Feb 2016 17:28

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	69.6	104.4
115	32.5	27.9	41.9

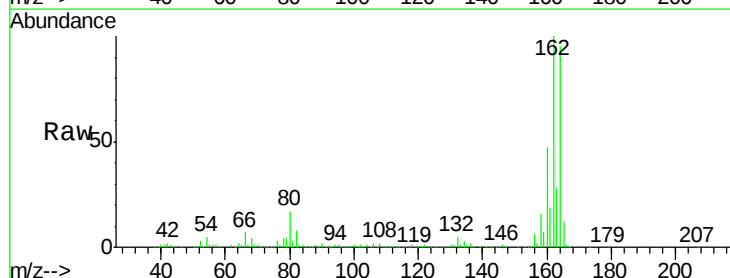


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

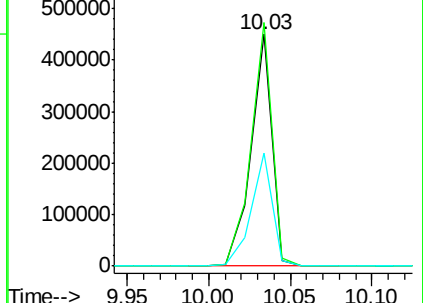
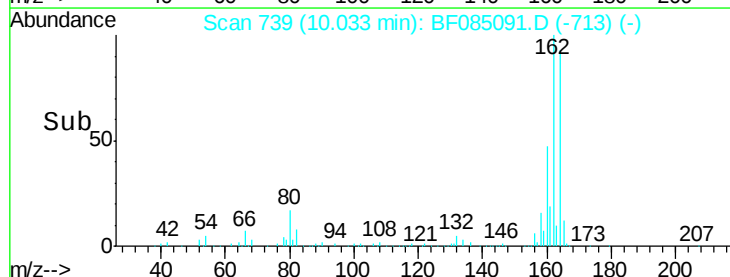


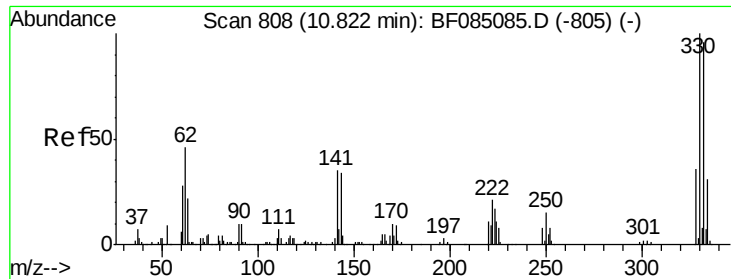
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.03 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: BF085091.D
 Acq: 17 Feb 2016 17:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	81.1	121.7
160	48.9	37.4	56.0



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

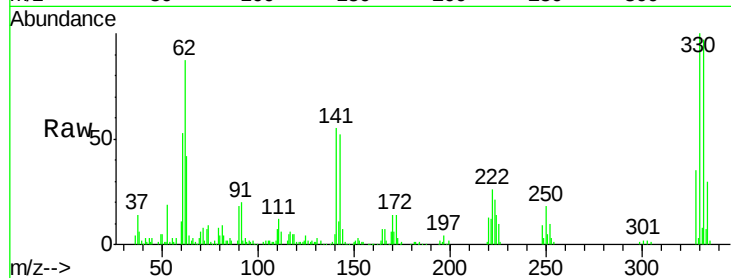




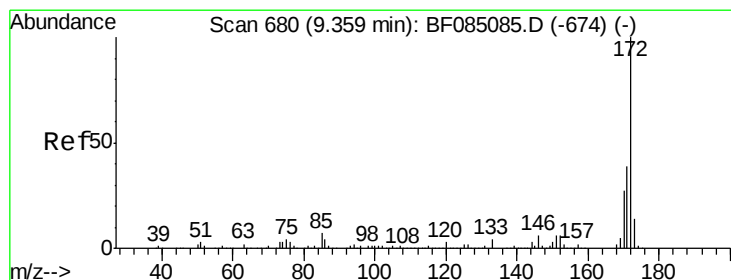
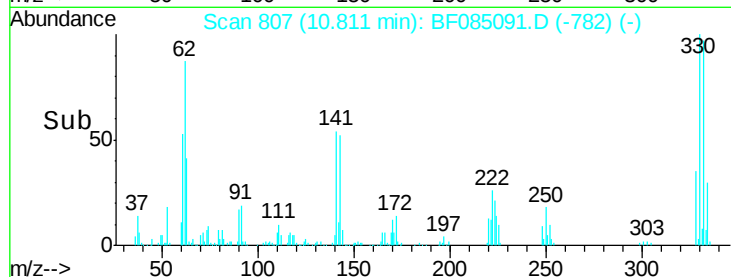
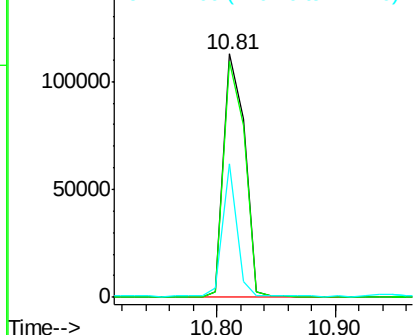
#41
 2,4,6-Tribromophenol
 Concen: 32.78 ng
 RT: 10.81 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF085091.D
 Acq: 17 Feb 2016 17:28

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.5	117.7
141	37.3	28.6	42.8

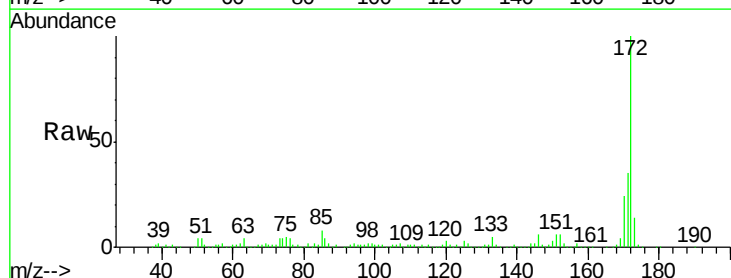


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

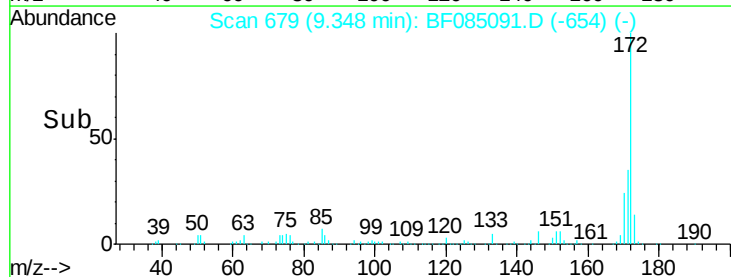
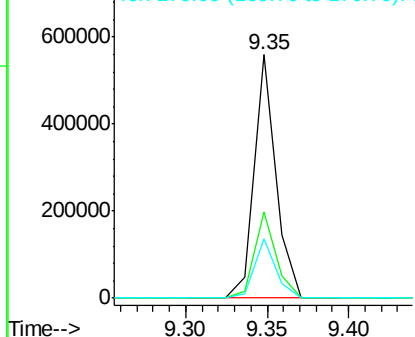


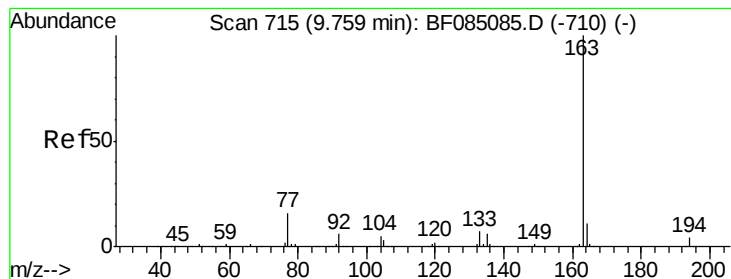
#44
 2-Fluorobiphenyl
 Concen: 19.16 ng
 RT: 9.35 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: BF085091.D
 Acq: 17 Feb 2016 17:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.1	43.7
170	24.3	19.6	29.4



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: 3.09 ng

RT: 9.74 min Scan# 713

Delta R.T. -0.02 min

Lab File: BF085091.D

Acq: 17 Feb 2016 17:28

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)DL

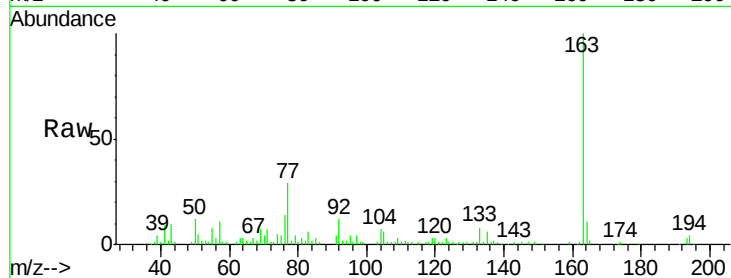
Tot Ion:163 Resp: 90420

Ion Ratio Lower Upper

163 100

194 3.7 2.5 3.7#

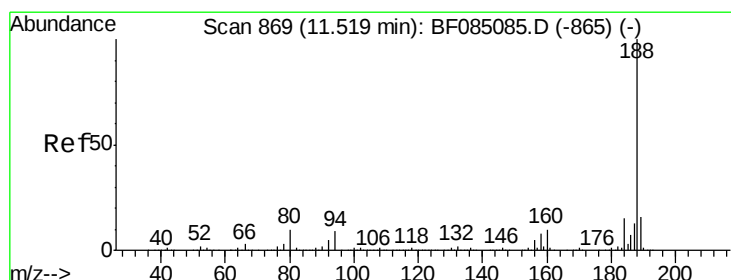
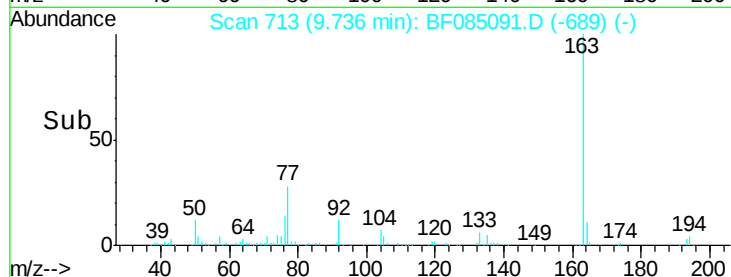
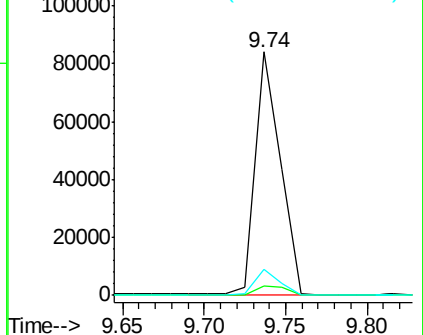
164 10.9 7.8 11.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.52 min Scan# 869

Delta R.T. 0.00 min

Lab File: BF085091.D

Acq: 17 Feb 2016 17:28

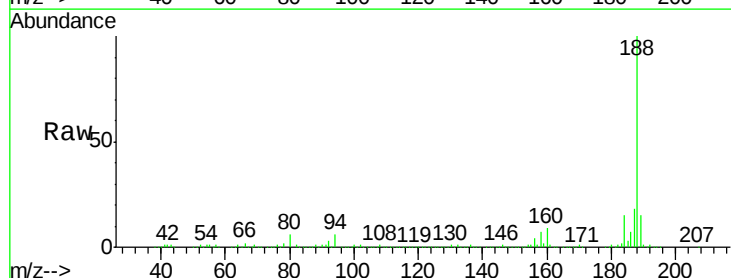
Tgt Ion:188 Resp: 772903

Ion Ratio Lower Upper

188 100

94 6.1 6.2 9.2#

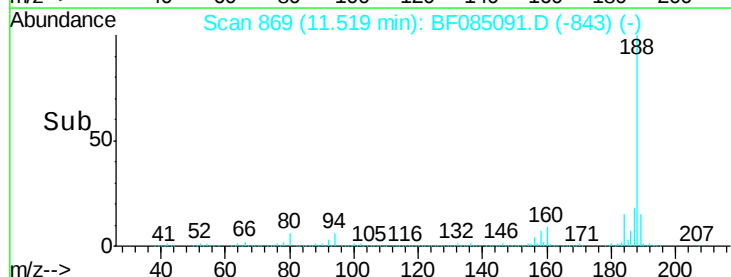
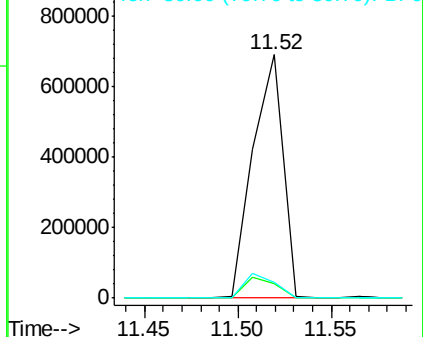
80 6.3 6.6 9.8#

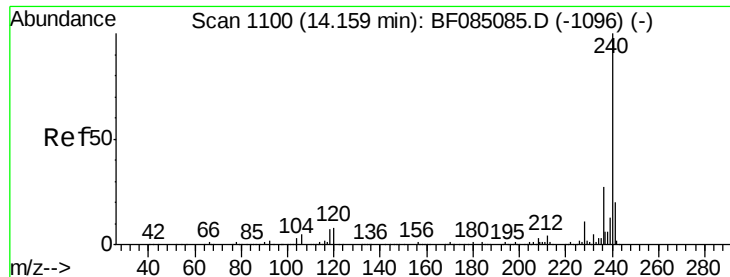


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.15 min Scan# 1099

Delta R.T. -0.01 min

Lab File: BF085091.D

Acq: 17 Feb 2016 17:28

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)DL

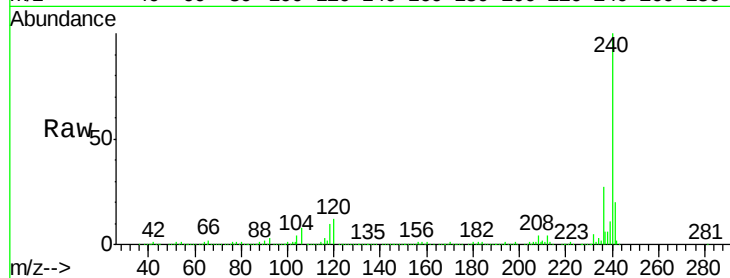
Tot Ion:240 Resp: 758887

Ion Ratio Lower Upper

240 100

120 11.5 7.0 10.6#

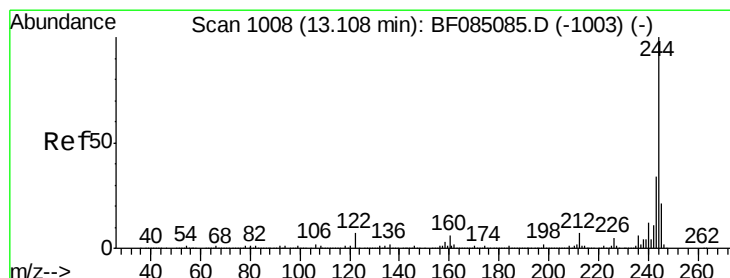
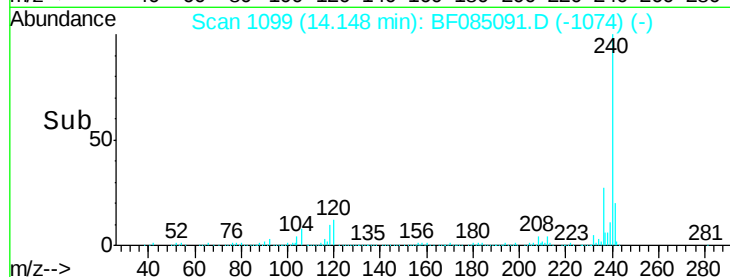
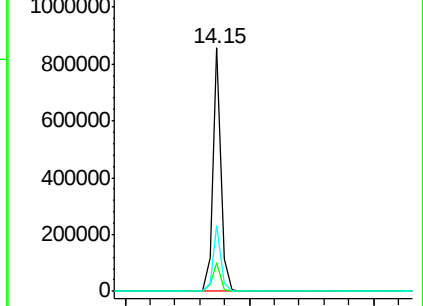
236 26.9 20.5 30.7



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



#78

Terphenyl-d14

Concen: 23.02 ng

RT: 13.10 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF085091.D

Acq: 17 Feb 2016 17:28

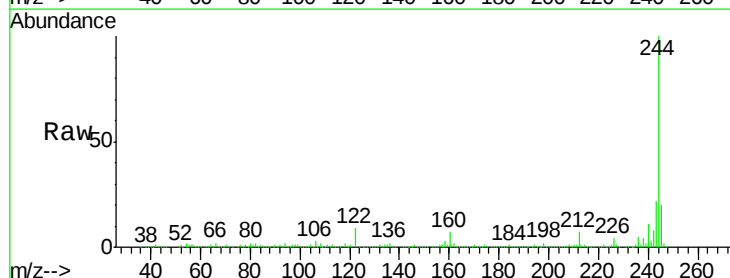
Tgt Ion:244 Resp: 623812

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

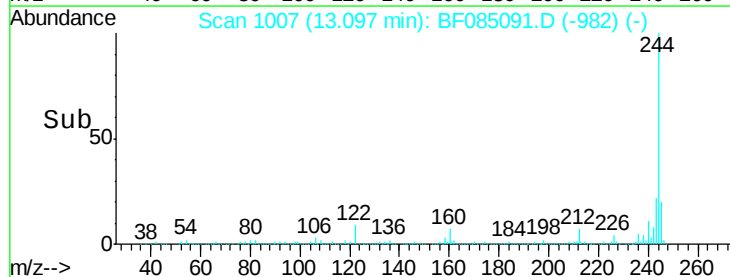
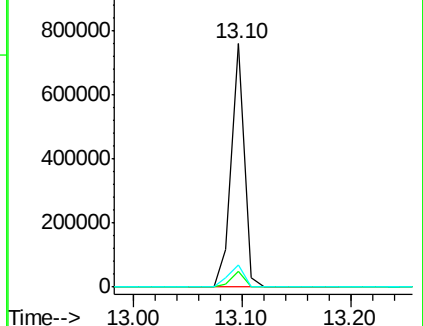
122 9.2 10.1 15.1#

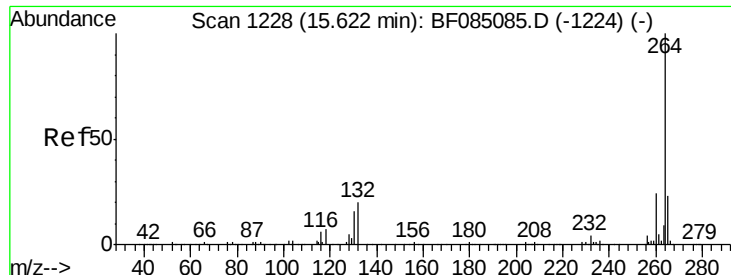


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



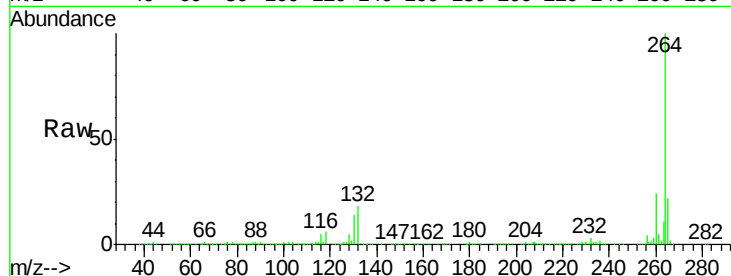


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF085091.D
Acq: 17 Feb 2016 17:28

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)DL

Tot Ion: 264 Resp: 686740

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.5	27.7
265	22.1	16.7	25.1



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

