

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
 Data File : BF086283.D
 Acq On : 18 Apr 2016 15:47
 Operator : UM/SJ
 Sample : H2334-05DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-12-04062016DL

Quant Time: Apr 19 01:44:06 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

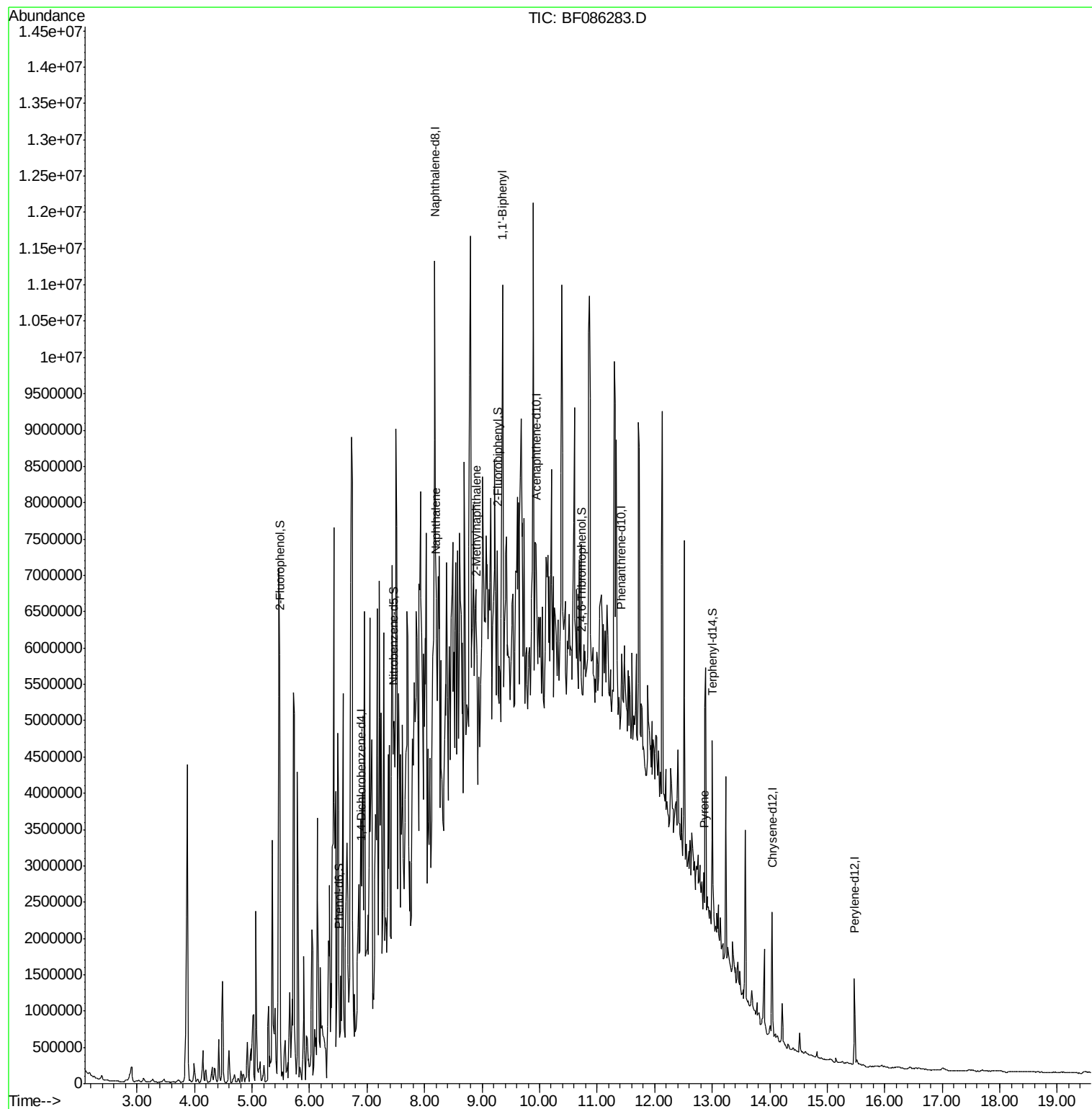
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	289800	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	462530	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	339613	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	607633	20.00	ng	0.01
75) Chrysene-d12	14.04	240	550198	20.00	ng	-0.01
86) Perylene-d12	15.47	264	556623	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	287298	16.24	ng	0.00
7) Phenol-d6	6.51	99	335365	15.16	ng	-0.01
23) Nitrobenzene-d5	7.46	82	936355	116.76	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	93206	34.18	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1188687	64.59	ng	0.00
78) Terphenyl-d14	13.00	244	883701	40.39	ng	0.00
Target Compounds						
31) Naphthalene	8.20	128	1262746	61.14	ng	# 95
37) 2-Methylnaphthalene	8.90	142	1028679	77.03	ng	# 96
45) 1,1'-Biphenyl	9.36	154	133484	5.46	ng	97
77) Pyrene	12.85	202	90130	2.14	ng	97

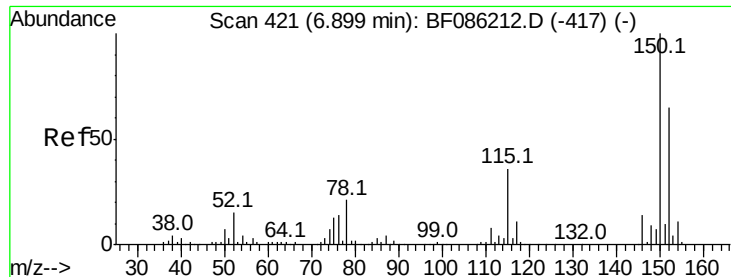
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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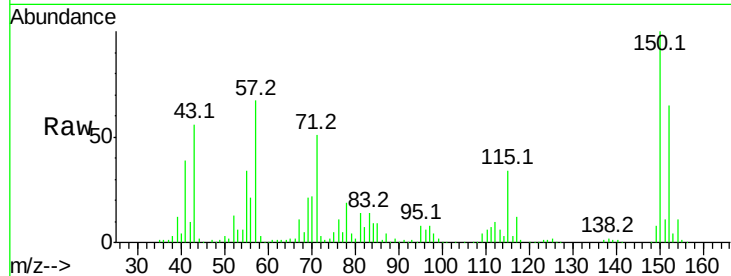


#1

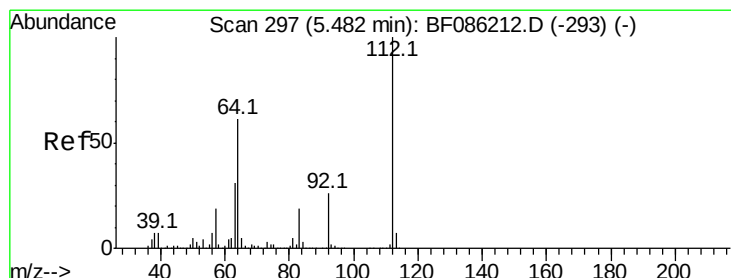
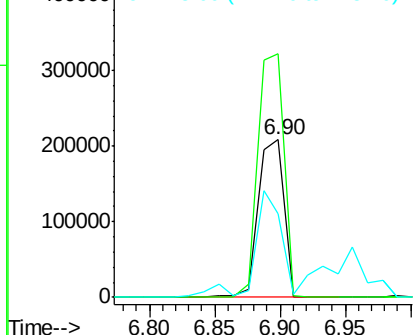
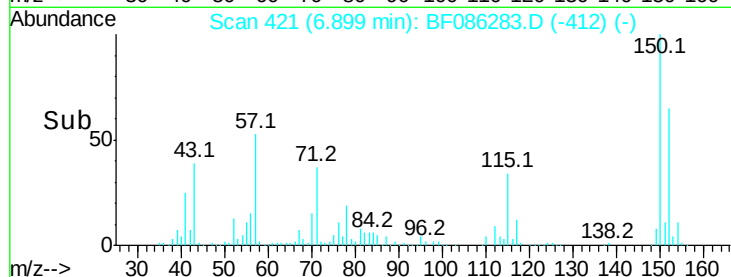
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.00 min
Lab File: BF086283.D
Acq: 18 Apr 2016 15:47

Instrument :
BNA_F
ClientSampleId :
TW-12-04062016DL

Tot Ion:152 Resp: 289800
Ion Ratio Lower Upper
152 100
150 154.4 124.1 186.1
115 52.9 43.9 65.9



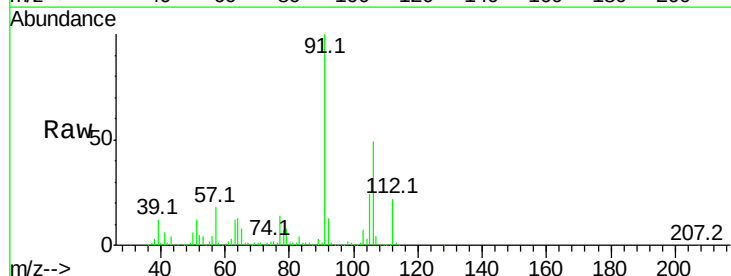
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



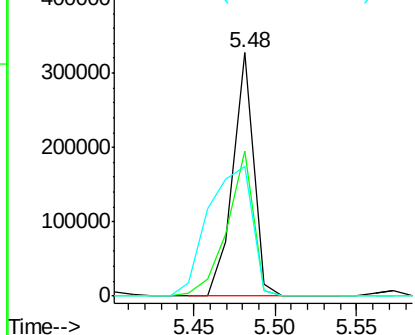
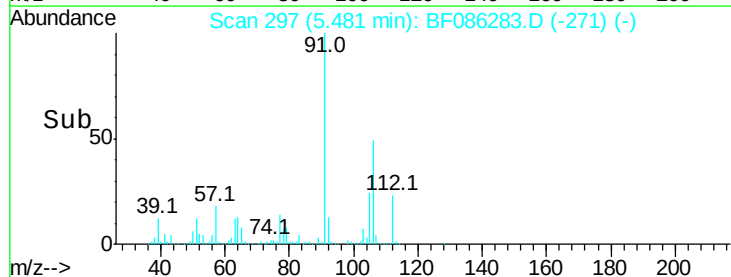
#5

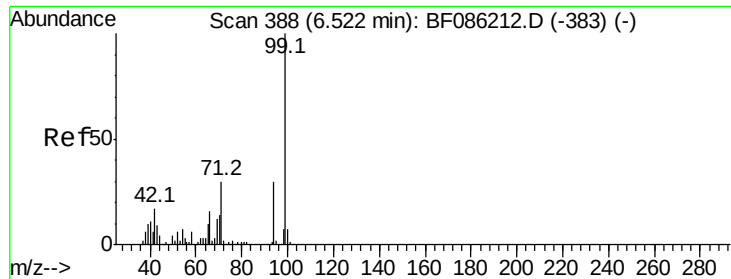
2-Fluorophenol
Concen: 16.24 ng
RT: 5.48 min Scan# 297
Delta R.T. 0.00 min
Lab File: BF086283.D
Acq: 18 Apr 2016 15:47

Tgt Ion:112 Resp: 287298
Ion Ratio Lower Upper
112 100
64 59.5 48.1 72.1
63 53.3 25.5 38.3#



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: 15.16 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086283.D

Acq: 18 Apr 2016 15:47

Instrument :

BNA_F

ClientSampleId :

TW-12-04062016DL

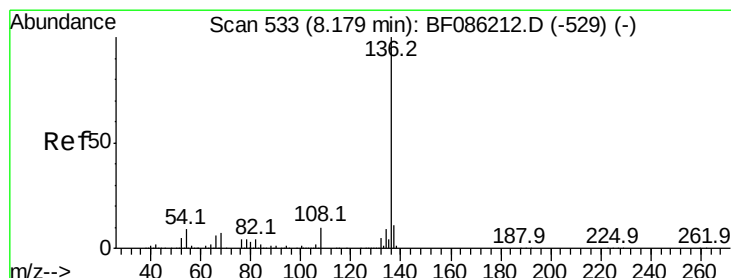
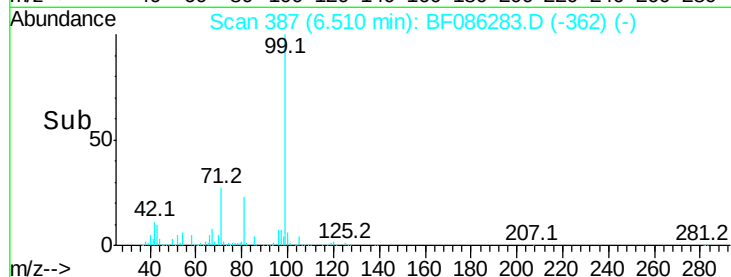
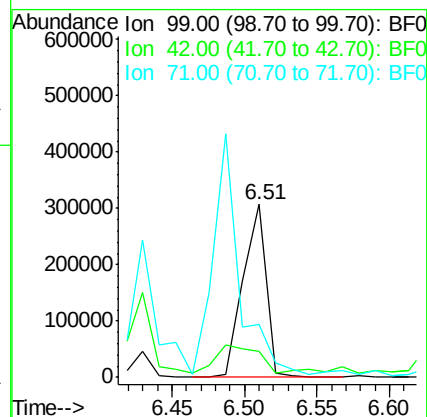
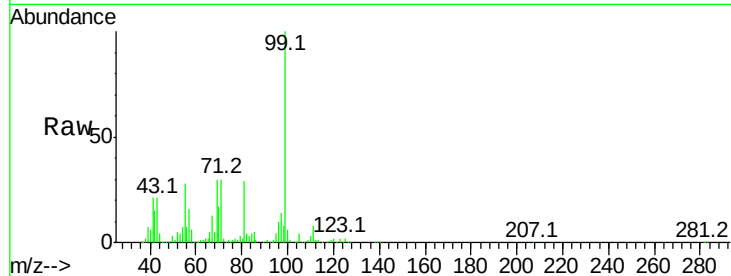
Tot Ion: 99 Resp: 335365

Ion Ratio Lower Upper

99 100

42 15.1 15.4 23.2#

71 30.4 25.6 38.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF086283.D

Acq: 18 Apr 2016 15:47

Tgt Ion: 136 Resp: 462530

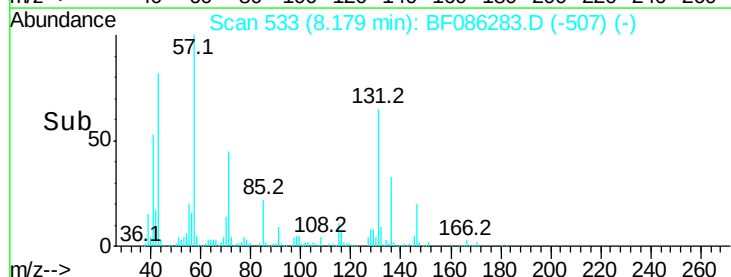
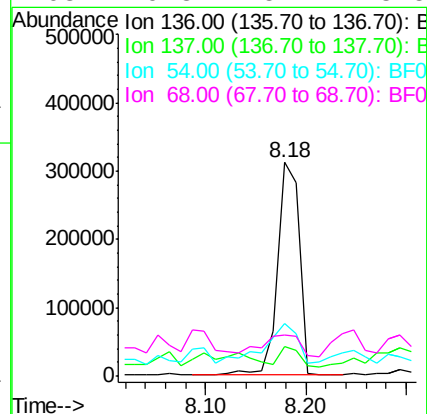
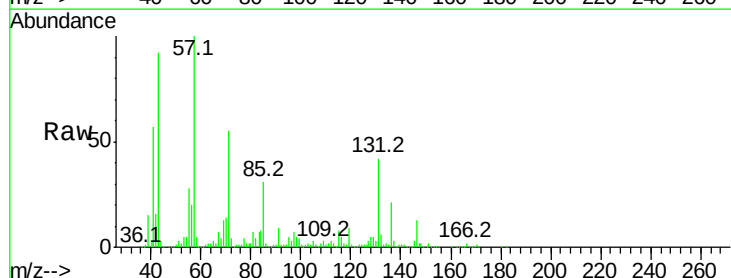
Ion Ratio Lower Upper

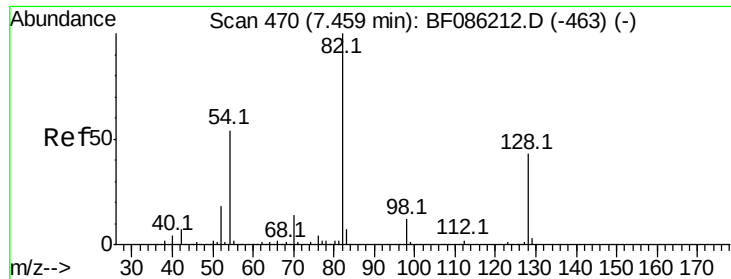
136 100

137 13.9 9.1 13.7#

54 24.8 7.3 10.9#

68 19.3 5.7 8.5#

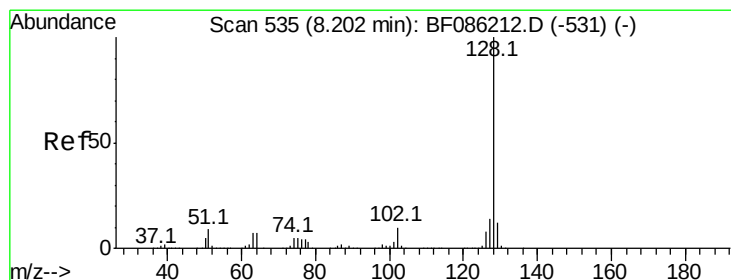
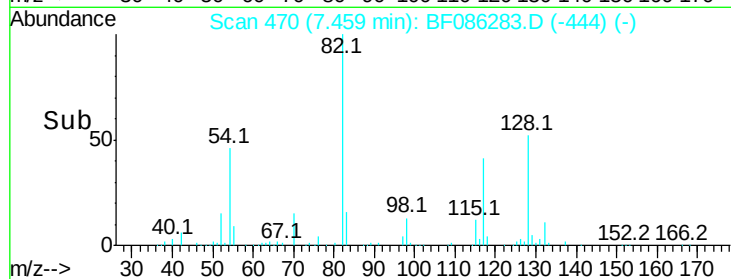
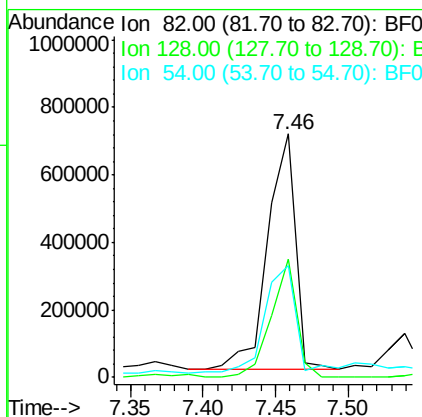
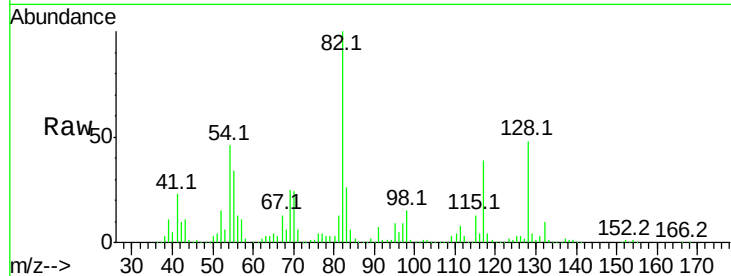




#23
 Nitrobenzene-d5
 Concen: 116.76 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: BF086283.D
 Acq: 18 Apr 2016 15:47

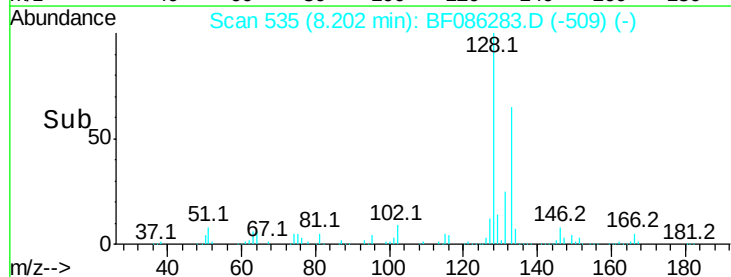
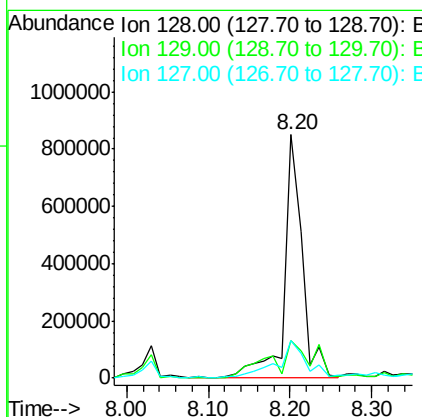
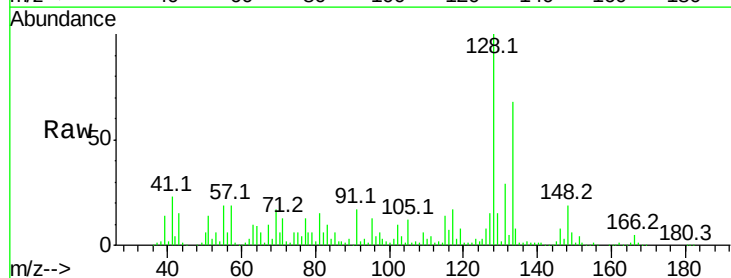
Instrument :
 BNA_F
 ClientSampleId :
 TW-12-04062016DL

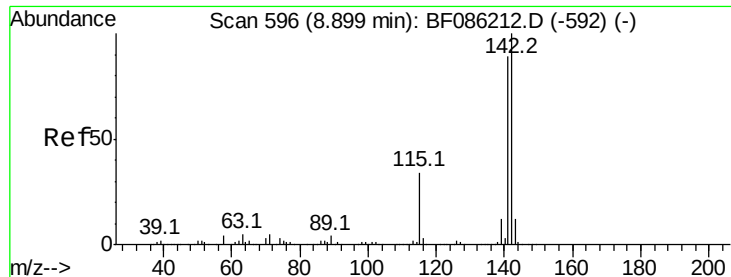
Tot Ion	82	Resp	936355
Ion Ratio	100	Lower	Upper
128	48.5	35.4	53.2
54	46.0	43.4	65.0



#31
 Naphthalene
 Concen: 61.14 ng
 RT: 8.20 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: BF086283.D
 Acq: 18 Apr 2016 15:47

Tgt Ion	128	Resp	1262746
Ion Ratio	100	Lower	Upper
129	15.4	9.6	14.4#
127	15.3	11.4	17.2

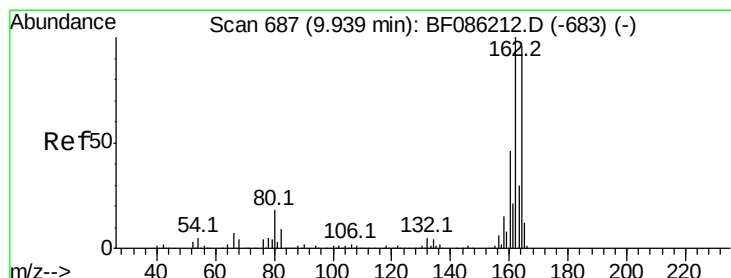
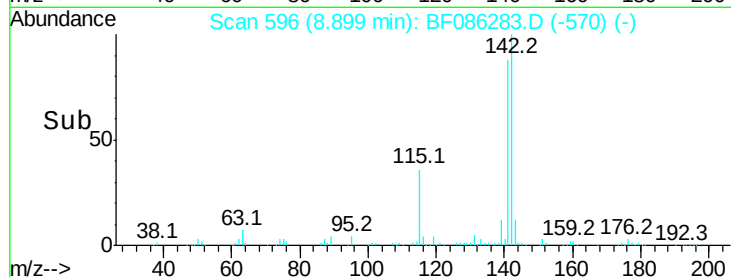
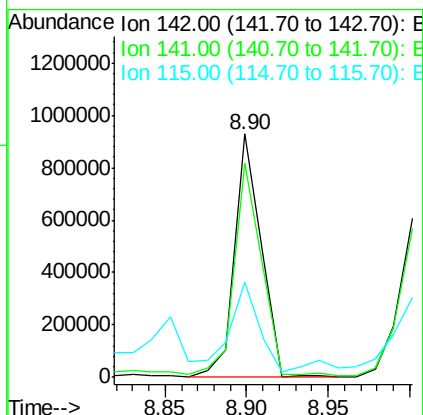
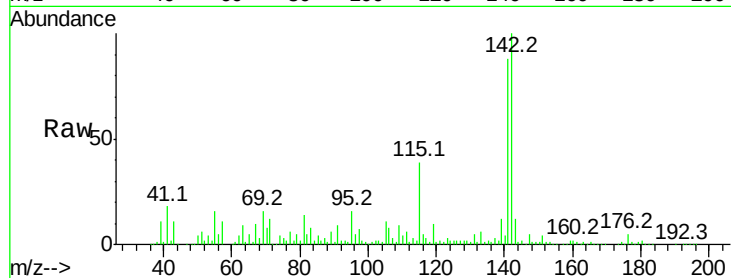




#37
2-Methylnaphthalene
Concen: 77.03 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF086283.D
Acq: 18 Apr 2016 15:47

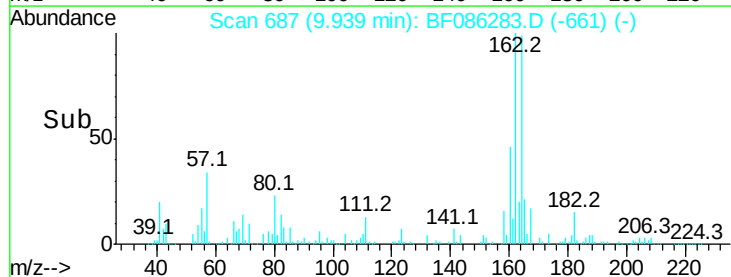
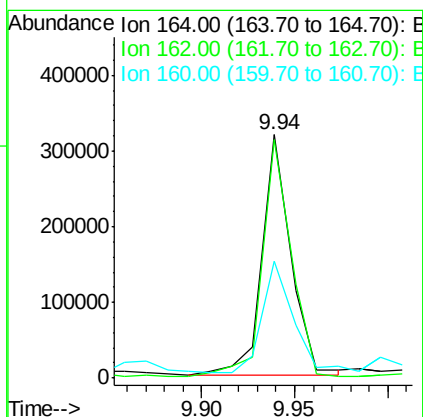
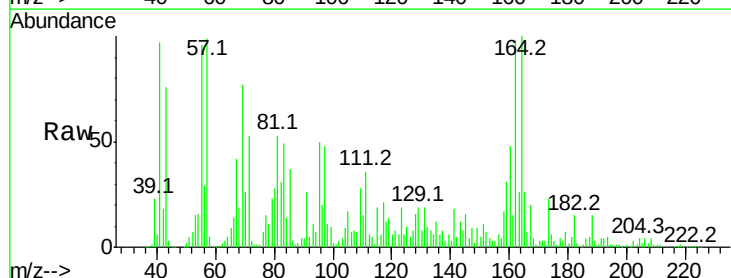
Instrument :
BNA_F
ClientSampleId :
TW-12-04062016DL

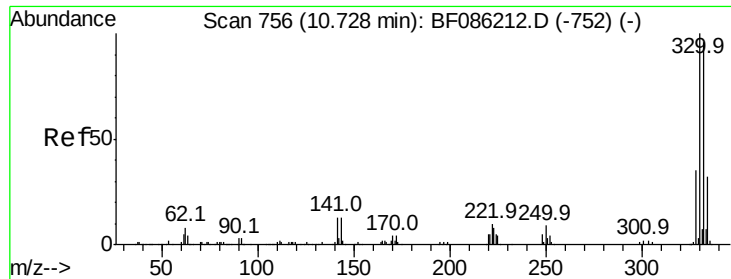
Tot Ion:142 Resp: 1028679
Ion Ratio Lower Upper
142 100
141 88.2 71.1 106.7
115 39.1 25.1 37.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.00 min
Lab File: BF086283.D
Acq: 18 Apr 2016 15:47

Tgt Ion:164 Resp: 339613
Ion Ratio Lower Upper
164 100
162 98.2 82.8 124.2
160 48.2 38.9 58.3





#41

2,4,6-Tribromophenol

Concen: 34.18 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF086283.D

Acq: 18 Apr 2016 15:47

Instrument :

BNA_F

ClientSampleId :

TW-12-04062016DL

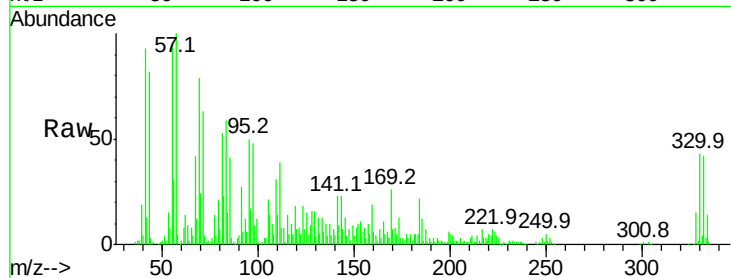
Tot Ion:330 Resp: 93206

Ion Ratio Lower Upper

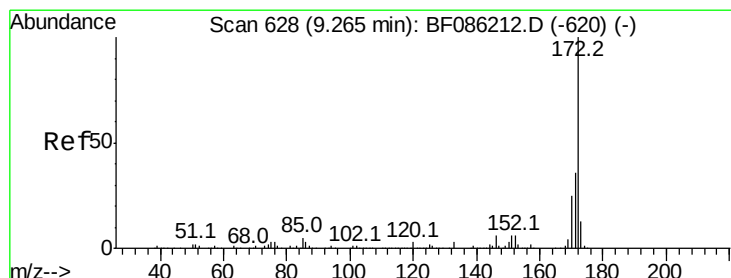
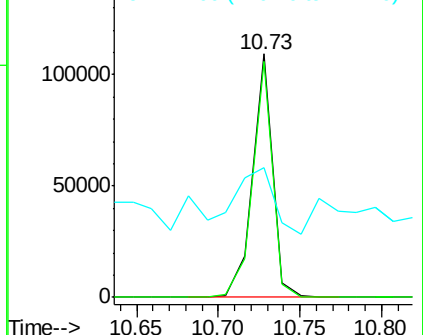
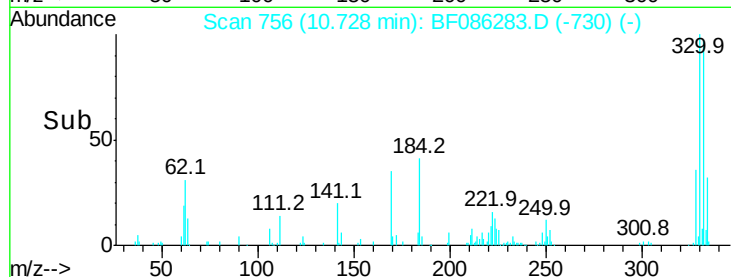
330 100

332 95.9 78.7 118.1

141 68.6 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: 64.59 ng

RT: 9.26 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF086283.D

Acq: 18 Apr 2016 15:47

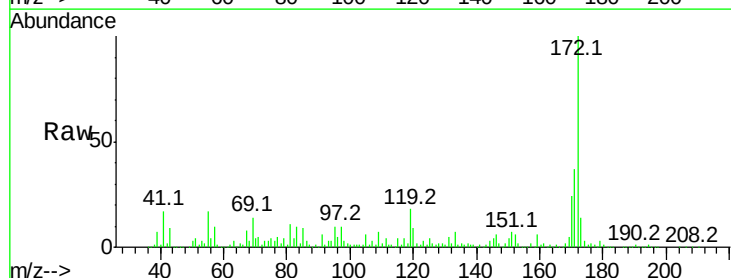
Tgt Ion:172 Resp: 1188687

Ion Ratio Lower Upper

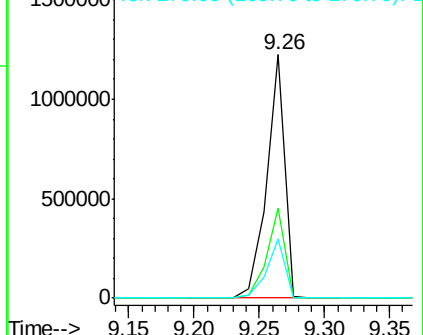
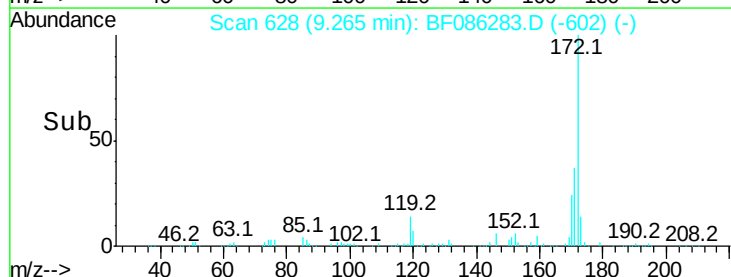
172 100

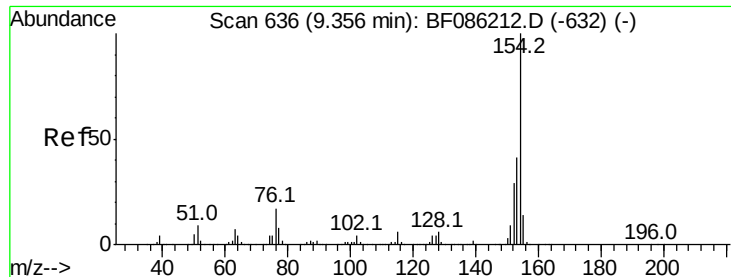
171 36.8 29.1 43.7

170 24.5 19.9 29.9



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





#45

1,1'-Biphenyl

Concen: 5.46 ng

RT: 9.36 min Scan# 636

Delta R.T. 0.00 min

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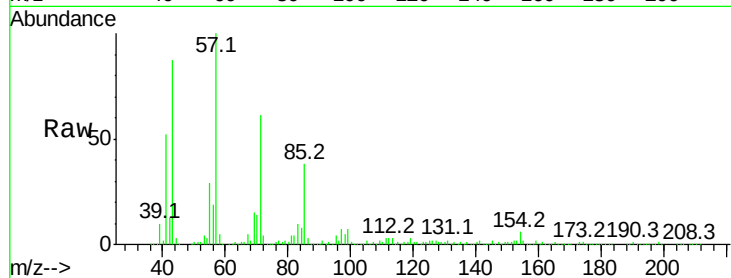
Tot Ion:154 Resp: 133484

Ion Ratio Lower Upper

154 100

153 38.9 21.3 61.3

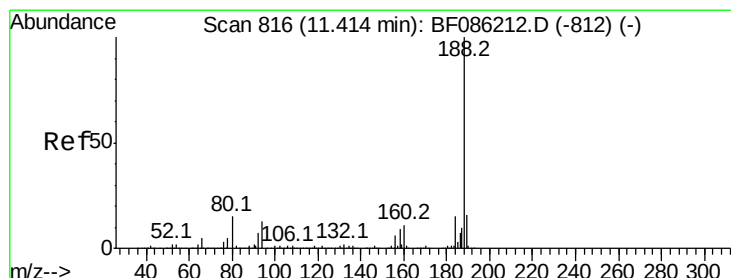
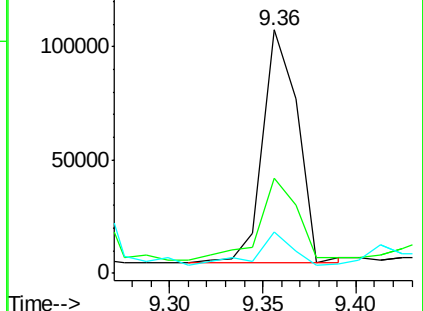
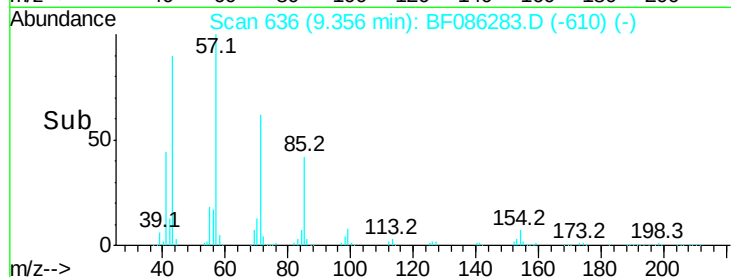
76 16.9 0.0 36.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. 0.01 min

Lab File: BF086283.D

Acq: 18 Apr 2016 15:47

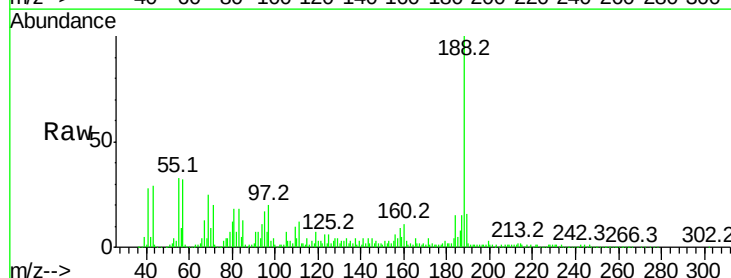
Tgt Ion:188 Resp: 607633

Ion Ratio Lower Upper

188 100

94 11.3 9.8 14.8

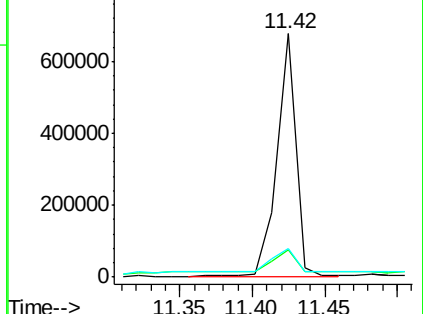
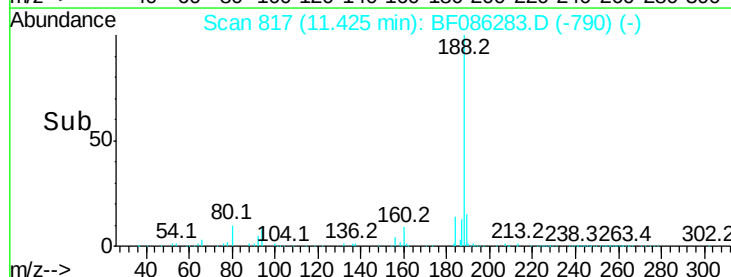
80 11.8 10.5 15.7

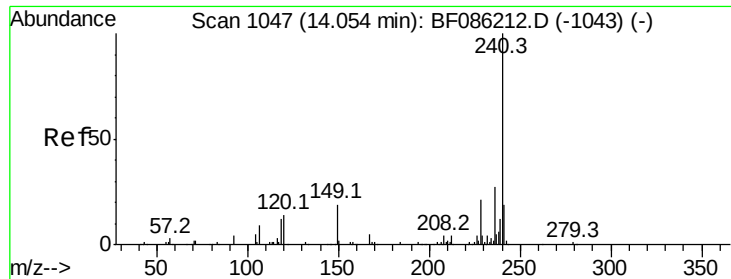


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086283.D

Acq: 18 Apr 2016 15:47

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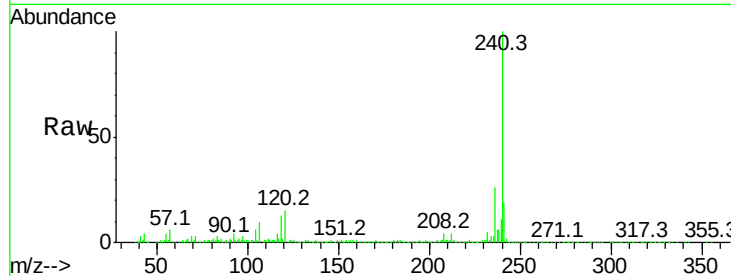
Tot Ion:240 Resp: 550198

Ion Ratio Lower Upper

240 100

120 14.9 9.3 13.9#

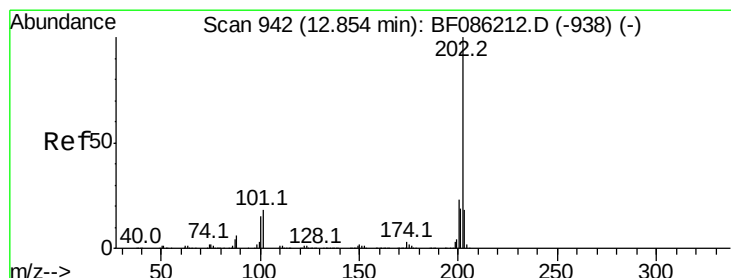
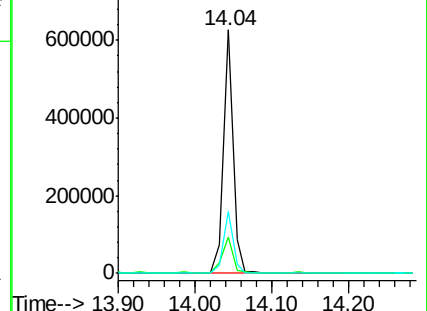
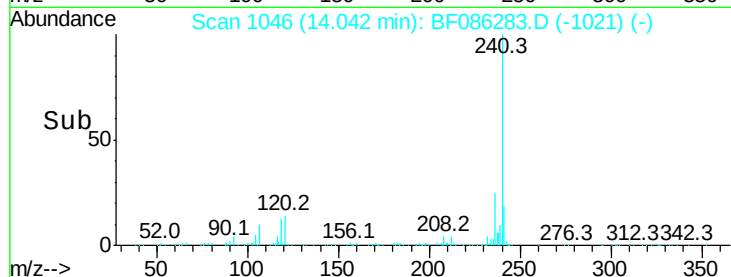
236 25.5 21.1 31.7



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



#77

Pyrene

Concen: 2.14 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF086283.D

Acq: 18 Apr 2016 15:47

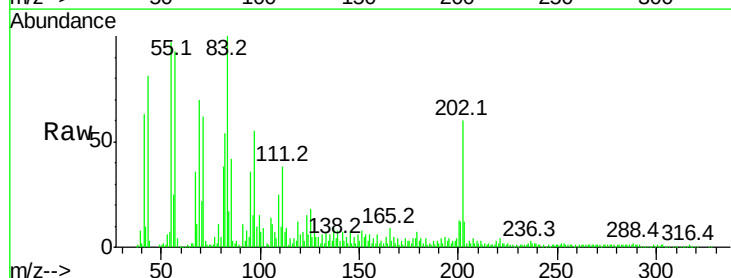
Tgt Ion:202 Resp: 90130

Ion Ratio Lower Upper

202 100

200 21.8 18.3 27.5

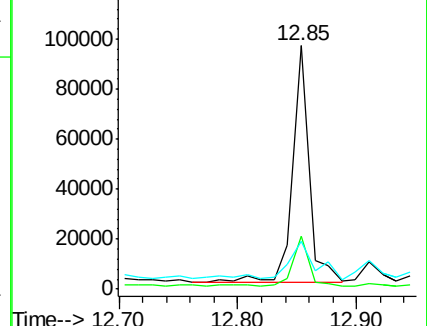
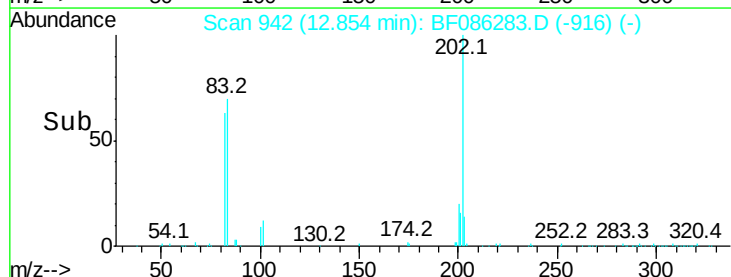
203 19.9 14.9 22.3

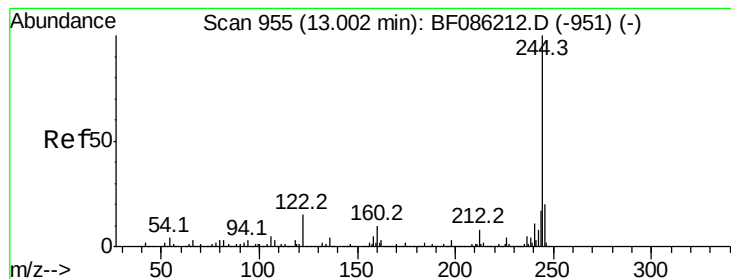


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 40.39 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086283.D

Acq: 18 Apr 2016 15:47

Instrument :

BNA_F

ClientSampleId :

TW-12-04062016DL

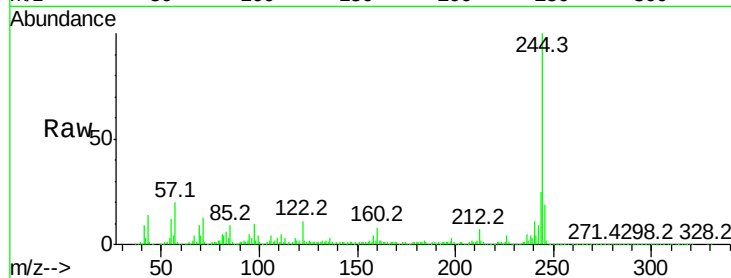
Tot Ion:244 Resp: 883701

Ion Ratio Lower Upper

244 100

212 6.9 6.4 9.6

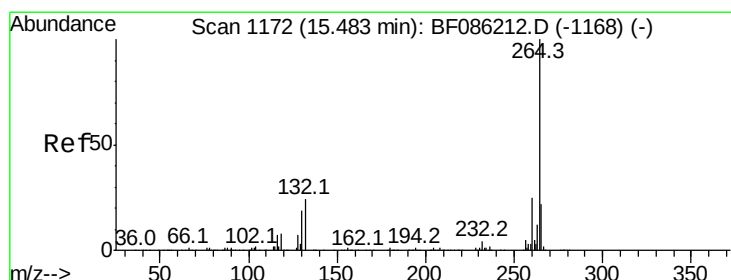
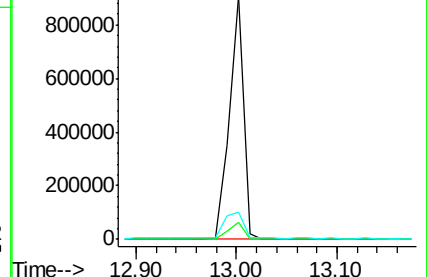
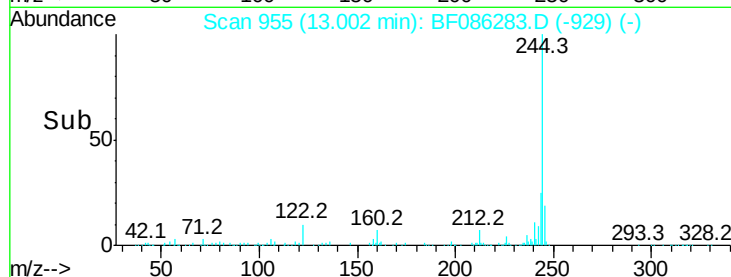
122 11.0 11.7 17.5#



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: 15.47 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BF086283.D

Acq: 18 Apr 2016 15:47

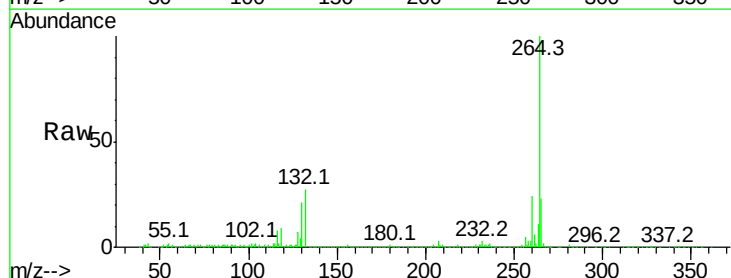
Tgt Ion:264 Resp: 556623

Ion Ratio Lower Upper

264 100

260 24.4 20.0 30.0

265 22.8 17.4 26.0



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

