

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
 Data File : BF086286.D
 Acq On : 18 Apr 2016 17:13
 Operator : UM/SJ
 Sample : H2334-02DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-13-04062016DL

Quant Time: Apr 19 01:58:55 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

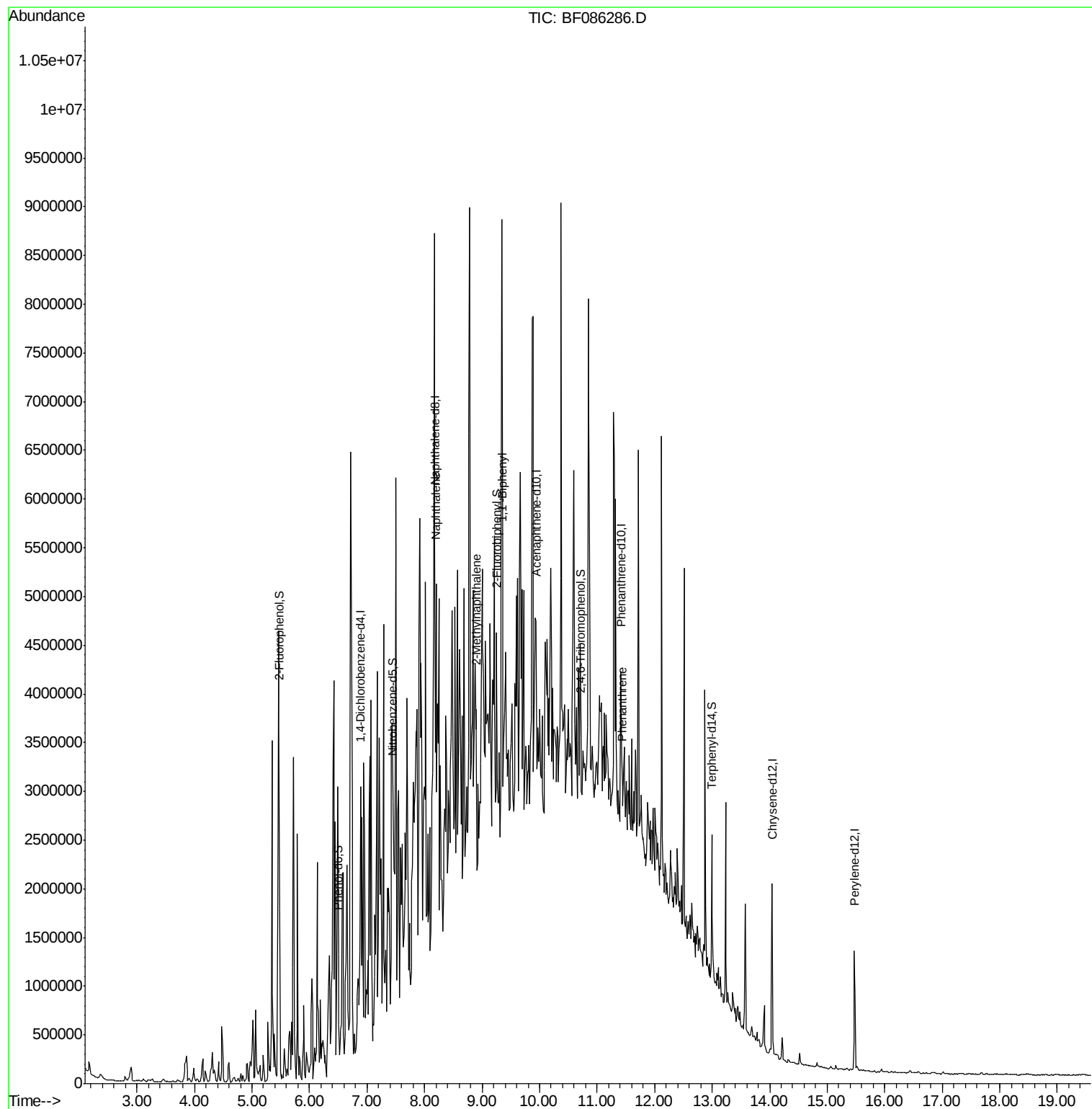
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	312117	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	806467	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	440069	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	705914	20.00	ng	0.00
75) Chrysene-d12	14.04	240	587338	20.00	ng	-0.01
86) Perylene-d12	15.47	264	582063	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	213957	11.23	ng	-0.01
7) Phenol-d6	6.50	99	262987	11.04	ng	-0.02
23) Nitrobenzene-d5	7.45	82	514900	36.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	68280	19.32	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	734170	30.78	ng	-0.01
78) Terphenyl-d14	12.99	244	439687	18.82	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.20	128	1272668	35.34	ng	98
37) 2-Methylnaphthalene	8.90	142	712361	30.59	ng	100
45) 1,1'-Biphenyl	9.36	154	117815	3.72	ng	97
70) Phenanthrene	11.44	178	75783	2.25	ng	# 88

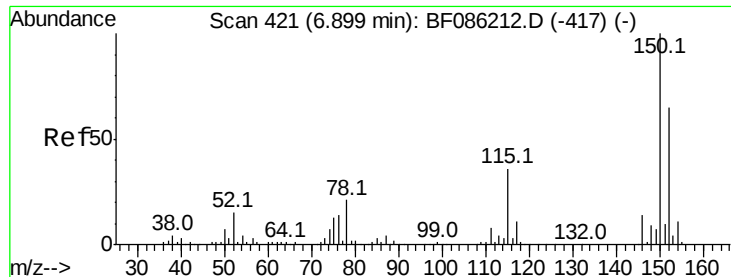
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 15 15:56:31 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF086286.D

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Instrument :

BNA_F

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TW-13-04062016DL

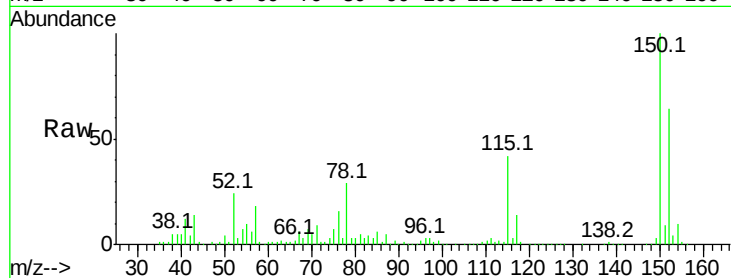
Tot Ion:152 Resp: 312117

Ion Ratio Lower Upper

152 100

150 156.9 124.1 186.1

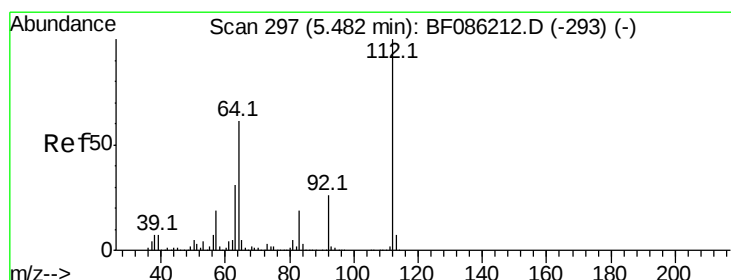
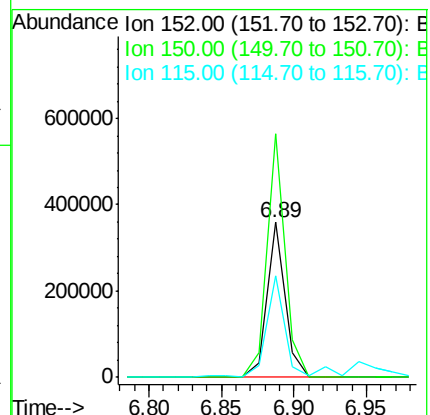
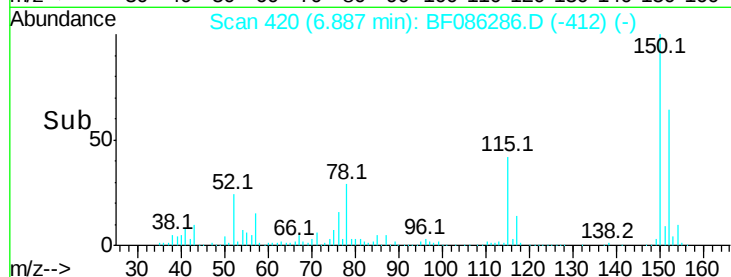
115 65.6 43.9 65.9



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: 11.23 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.01 min

Lab File: BF086286.D

Acq: 18 Apr 2016 17:13

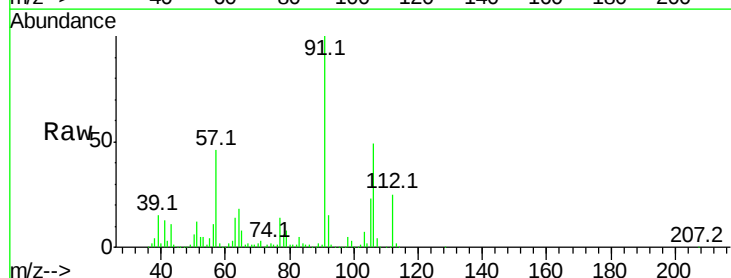
Tgt Ion:112 Resp: 213957

Ion Ratio Lower Upper

112 100

64 70.7 48.1 72.1

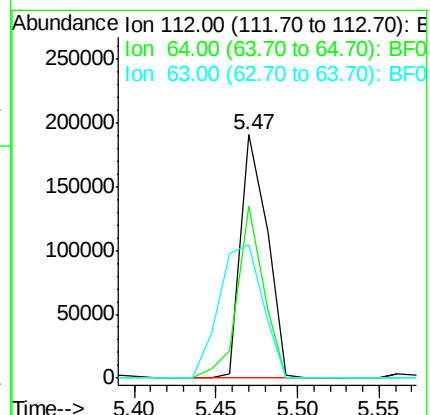
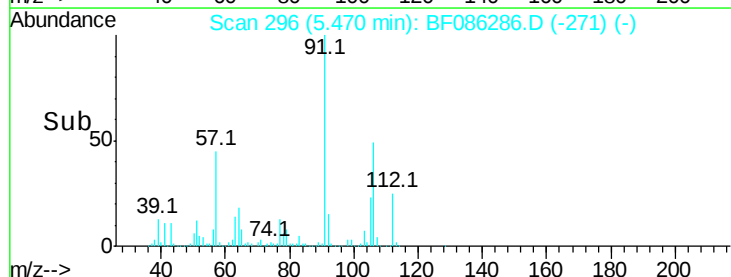
63 54.6 25.5 38.3#

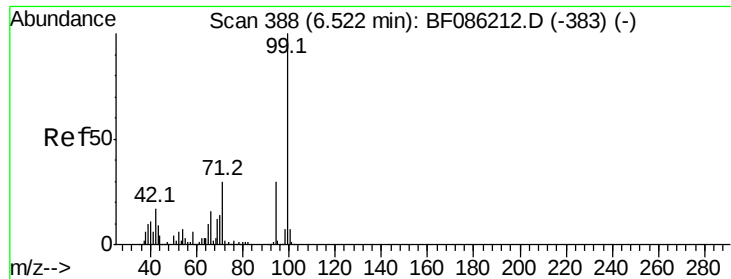


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 11.04 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086286.D

Acq: 18 Apr 2016 17:13

Instrument :

BNA_F

ClientSampleId :

TW-13-04062016DL

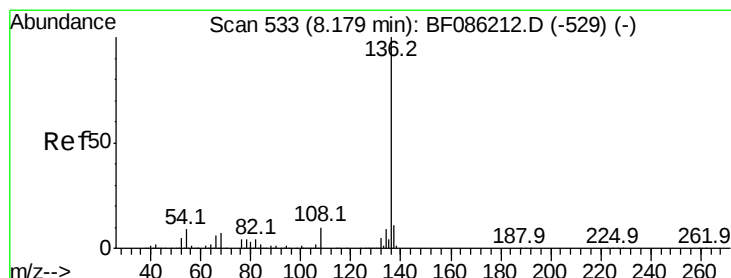
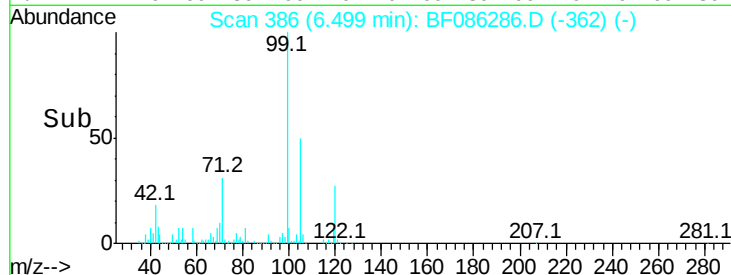
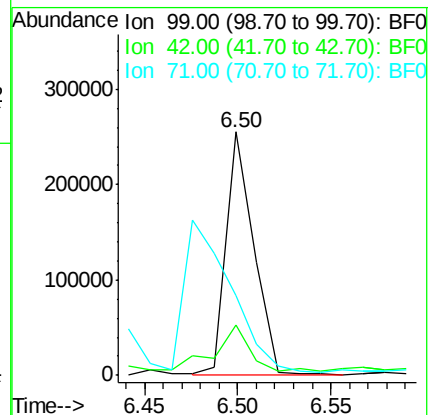
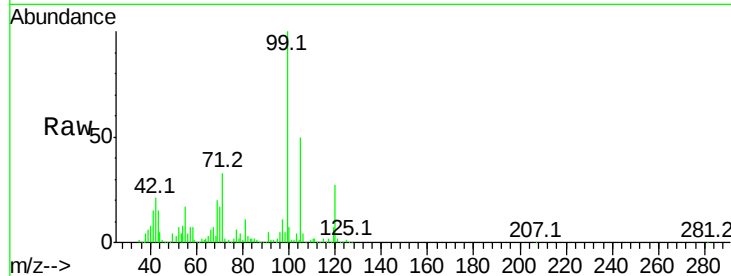
Tot Ion: 99 Resp: 262987

Ion Ratio Lower Upper

99 100

42 20.6 15.4 23.2

71 32.6 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: BF086286.D

Acq: 18 Apr 2016 17:13

Tgt Ion: 136 Resp: 806467

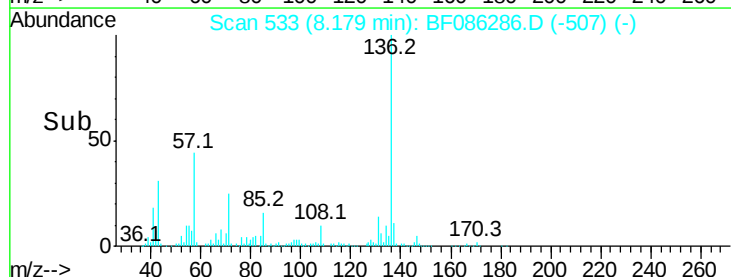
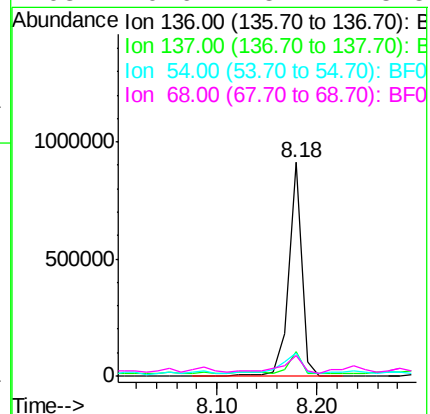
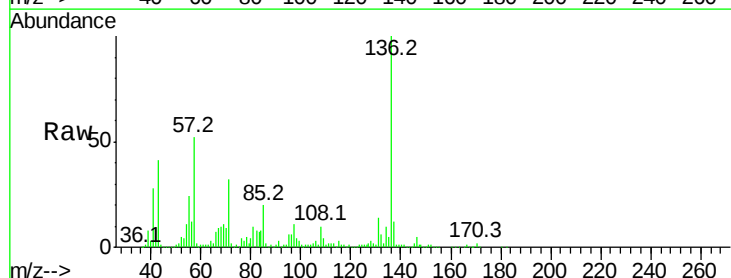
Ion Ratio Lower Upper

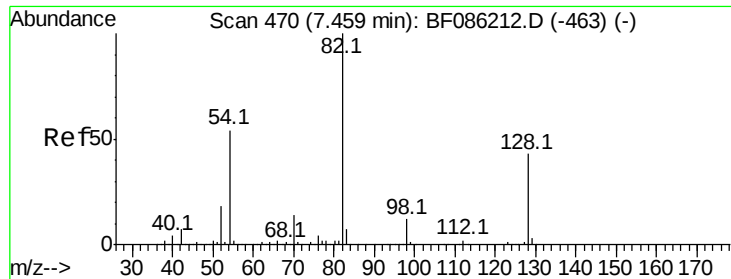
136 100

137 11.5 9.1 13.7

54 11.0 7.3 10.9#

68 9.6 5.7 8.5#

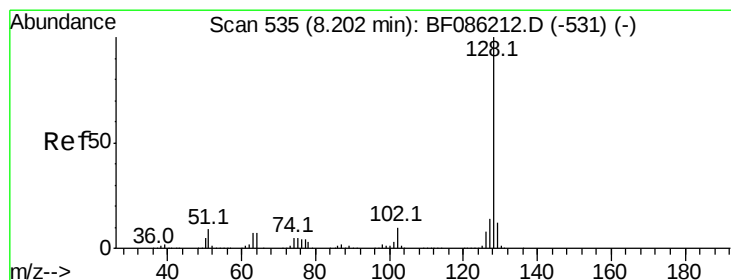
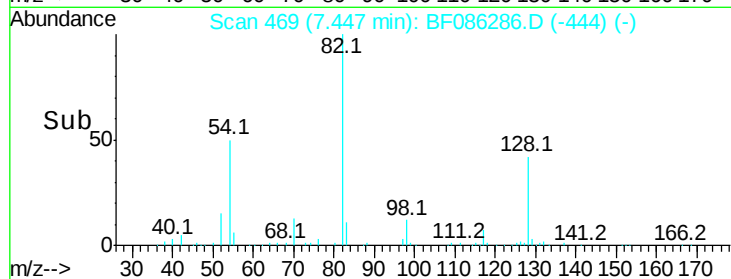
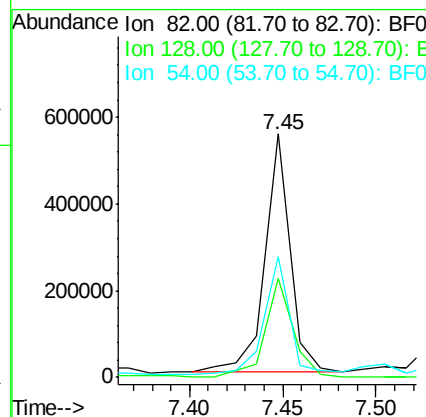
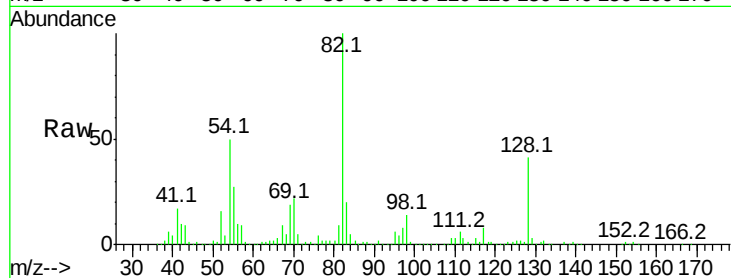




#23
 Nitrobenzene-d5
 Concen: 36.83 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF086286.D
 Acq: 18 Apr 2016 17:13

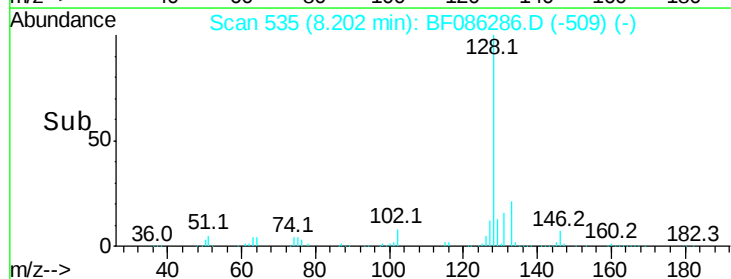
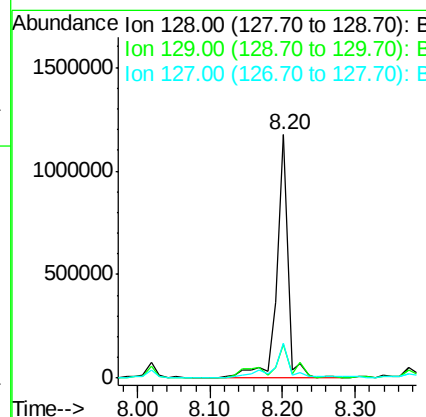
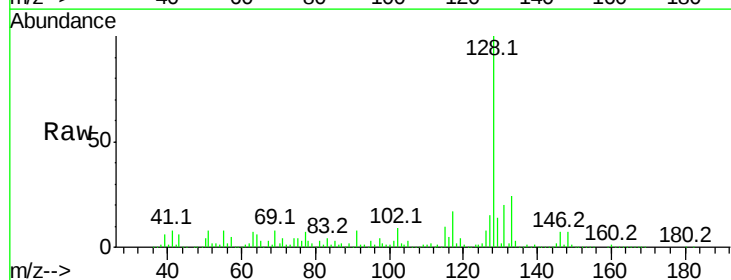
Instrument :
 BNA_F
 ClientSampleId :
 TW-13-04062016DL

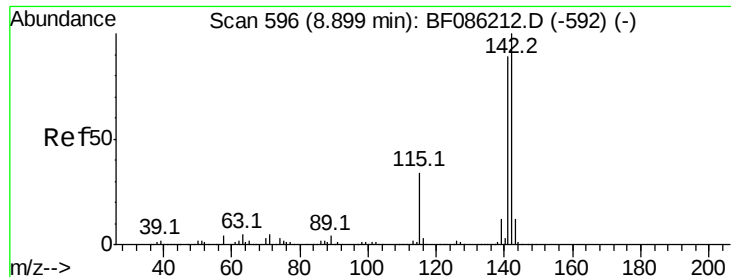
Tot Ion:	82	Resp:	514900
Ion	Ratio	Lower	Upper
82	100		
128	40.6	35.4	53.2
54	49.7	43.4	65.0



#31
 Naphthalene
 Concen: 35.34 ng
 RT: 8.20 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: BF086286.D
 Acq: 18 Apr 2016 17:13

Tgt Ion:	128	Resp:	1272668
Ion	Ratio	Lower	Upper
128	100		
129	13.8	9.6	14.4
127	14.5	11.4	17.2





#37

2-Methylnaphthalene

Concen: 30.59 ng

RT: 8.90 min Scan# 596

Delta R.T. -0.00 min

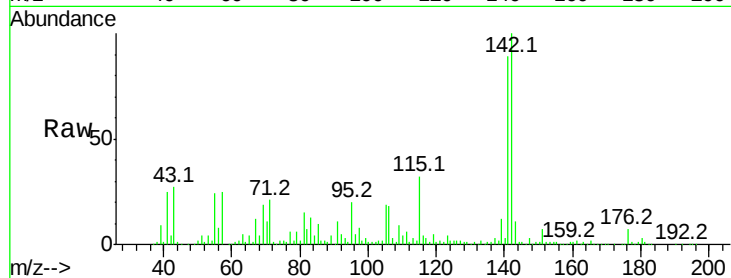
Lab File: BF086286.D

Acq: 18 Apr 2016 17:13

Instrument :
BNA_F
ClientSampleId :
TW-13-04062016DL

Tot Ion:142 Resp: 712361

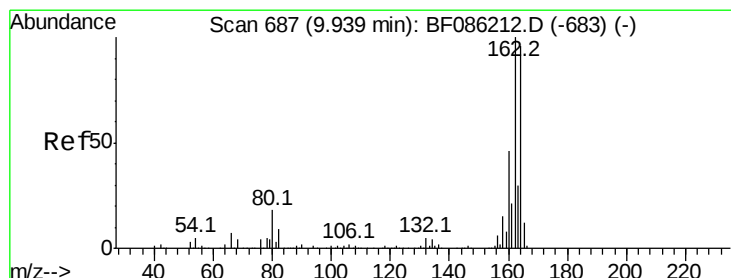
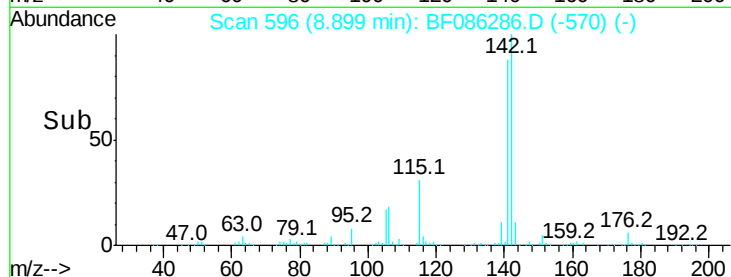
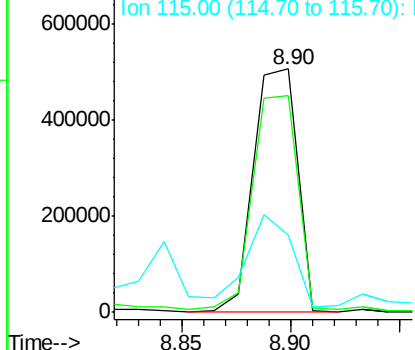
Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.1	106.7
115	31.7	25.1	37.7



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: 9.94 min Scan# 687

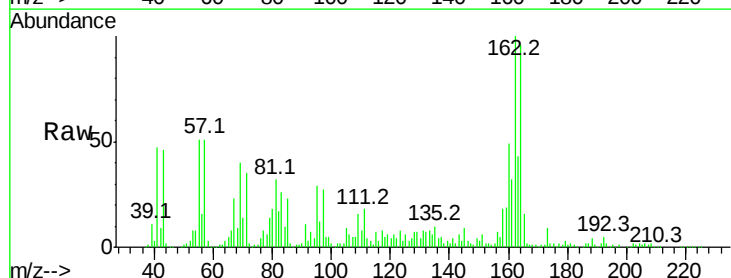
Delta R.T. -0.00 min

Lab File: BF086286.D

Acq: 18 Apr 2016 17:13

Tgt Ion:164 Resp: 440069

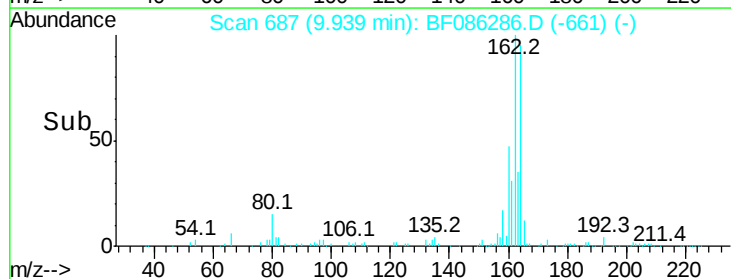
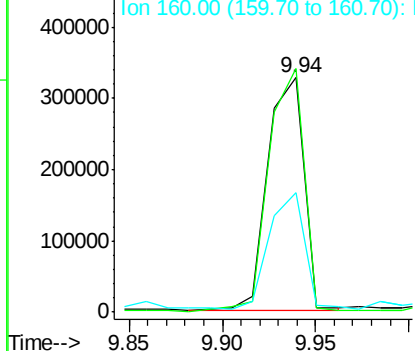
Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.8	124.2
160	50.8	38.9	58.3

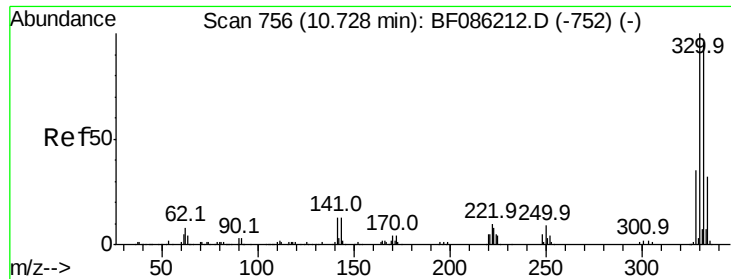


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

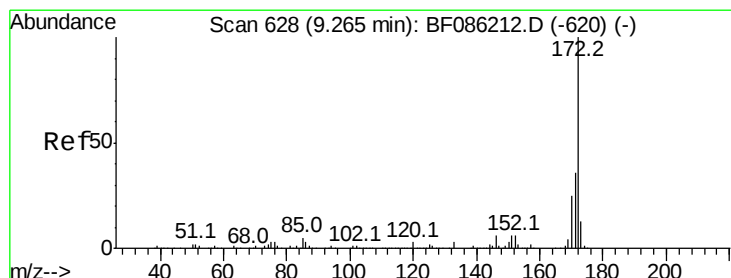
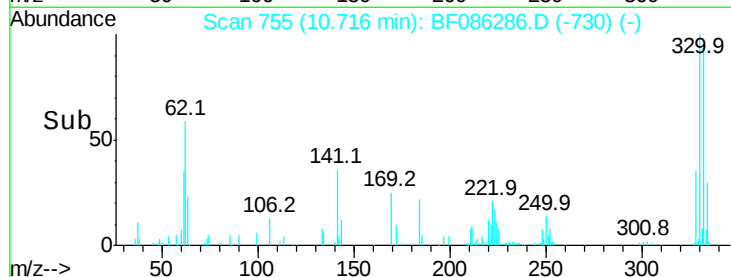
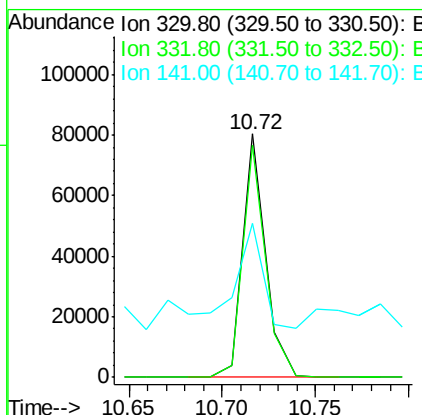
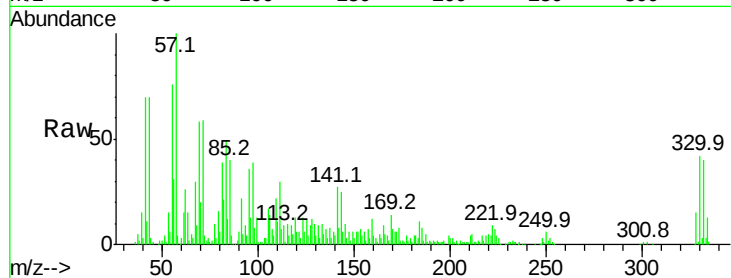




#41
 2,4,6-Tribromophenol
 Concen: 19.32 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086286.D
 Acq: 18 Apr 2016 17:13

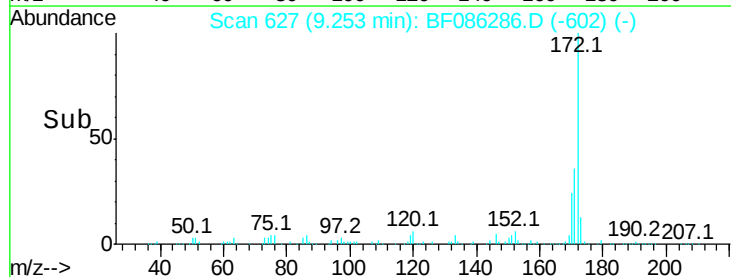
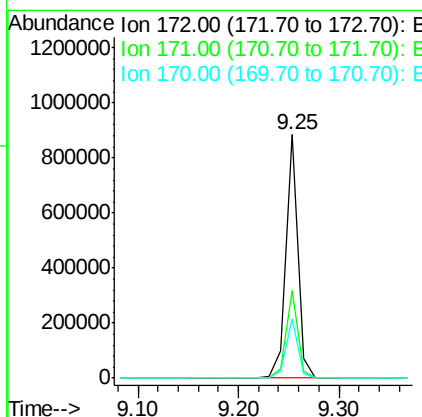
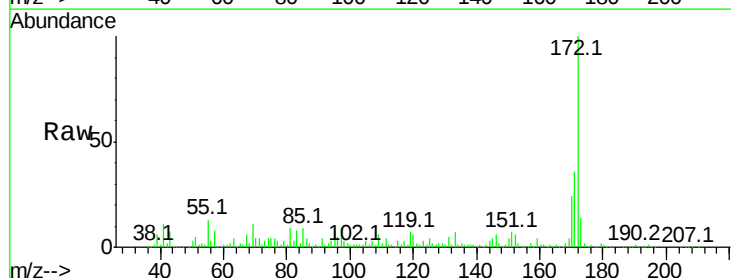
Instrument :
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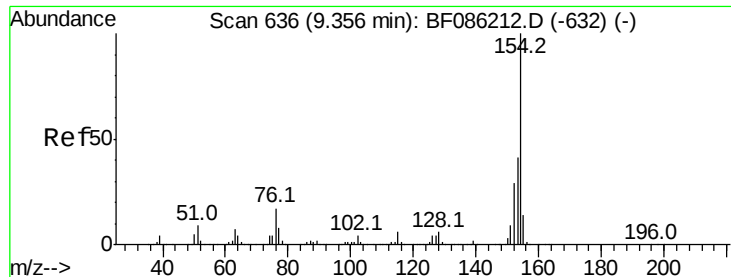
Tot Ion:330 Resp: 68280
 Ion Ratio Lower Upper
 330 100
 332 96.3 78.7 118.1
 141 68.9 28.6 42.8#



#44
 2-Fluorobiphenyl
 Concen: 30.78 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086286.D
 Acq: 18 Apr 2016 17:13

Tgt Ion:172 Resp: 734170
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.1 43.7
 170 24.4 19.9 29.9

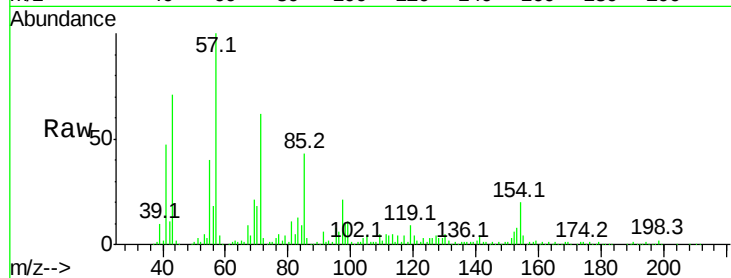




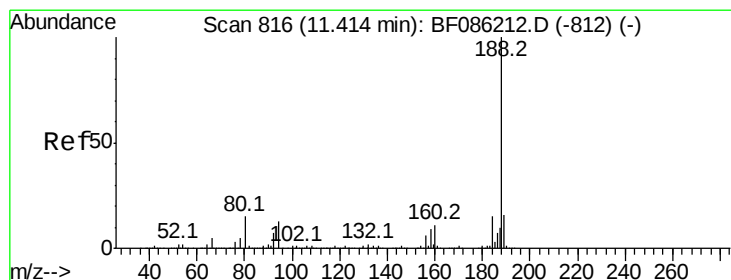
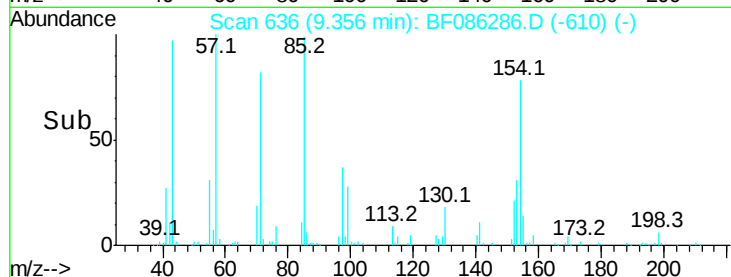
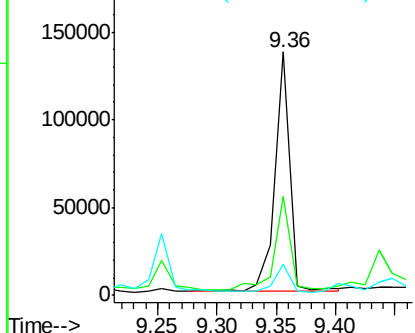
#45
 1,1'-Biphenyl
 Concen: 3.72 ng
 RT: 9.36 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: BF086286.D
 Acq: 18 Apr 2016 17:13

Instrument :
 BNA_F
 ClientSampleId :
 TW-13-04062016DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.6	21.3	61.3
76	13.0	0.0	36.4

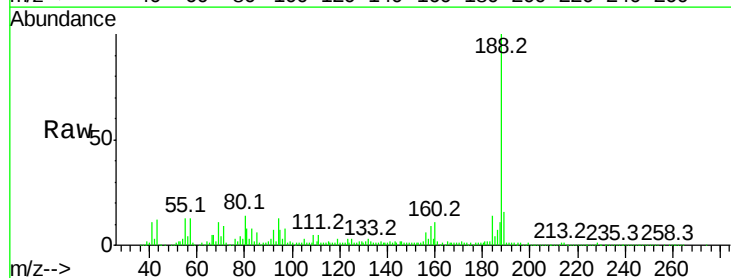


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

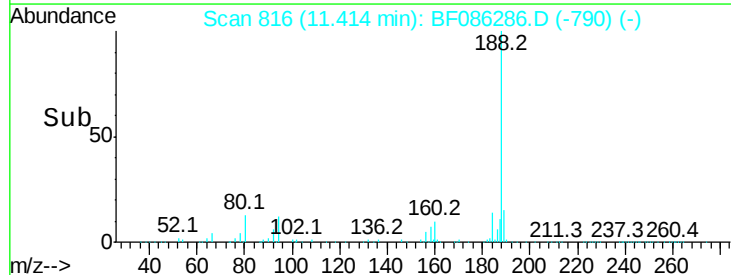
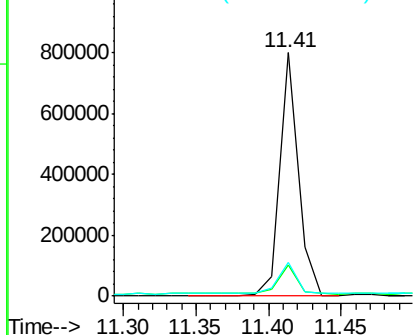


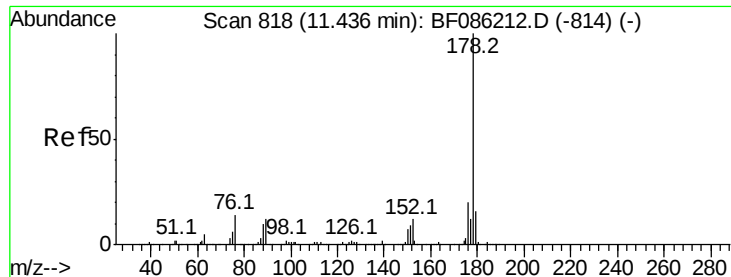
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BF086286.D
 Acq: 18 Apr 2016 17:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.9	9.8	14.8
80	13.7	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





#70

Phenanthrene

Concen: 2.25 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086286.D

Acq: 18 Apr 2016 17:13

Instrument :

BNA_F

ClientSampleId :

TW-13-04062016DL

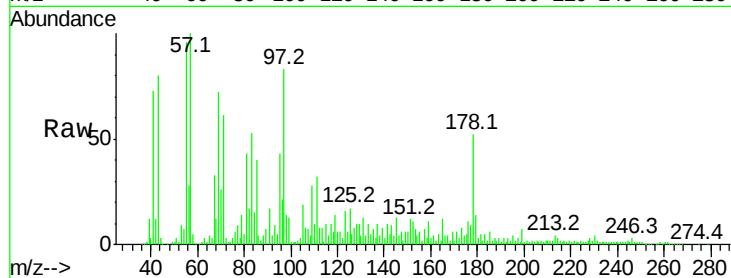
Tot Ion:178 Resp: 75783

Ion Ratio Lower Upper

178 100

176 20.4 16.3 24.5

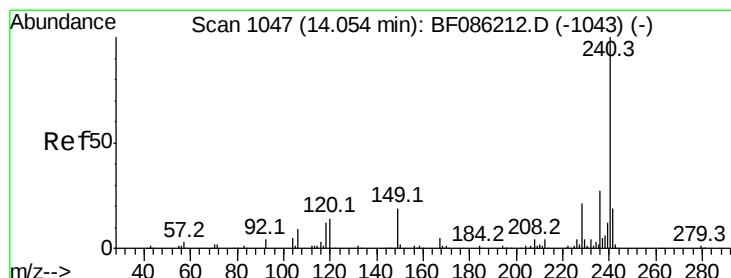
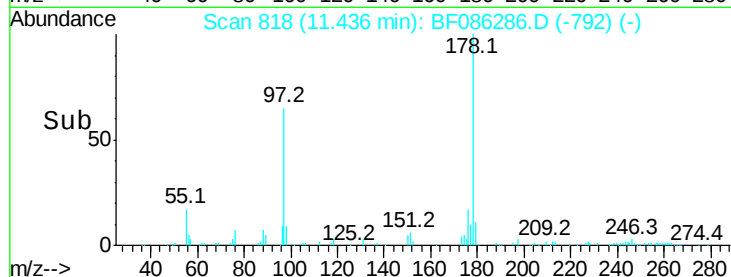
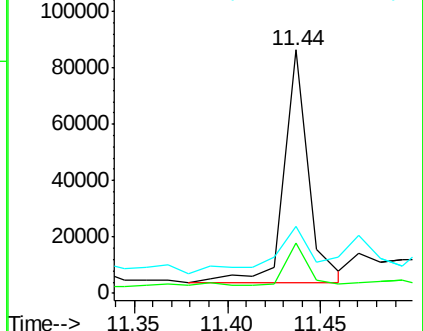
179 27.5 13.0 19.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086286.D

Acq: 18 Apr 2016 17:13

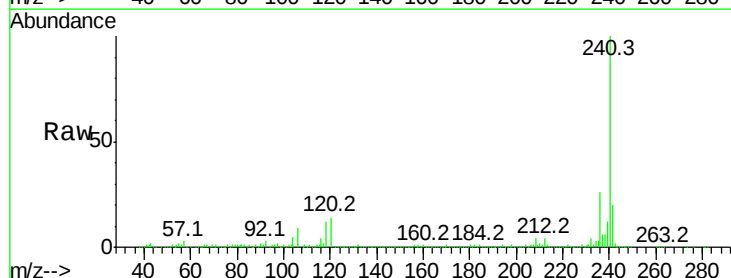
Tgt Ion:240 Resp: 587338

Ion Ratio Lower Upper

240 100

120 13.7 9.3 13.9

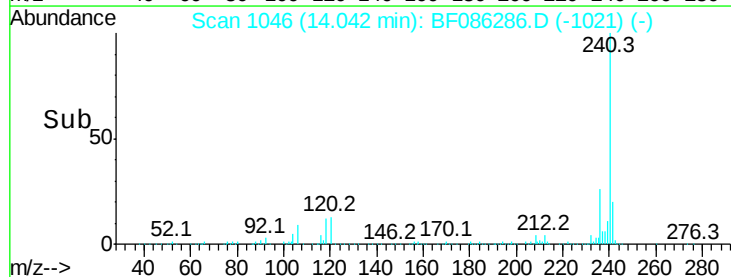
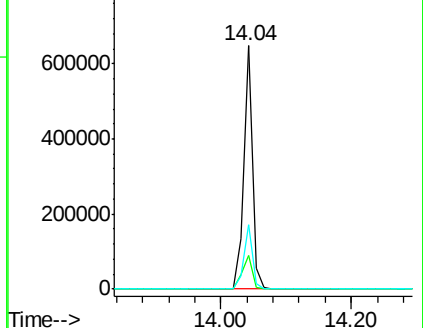
236 26.4 21.1 31.7

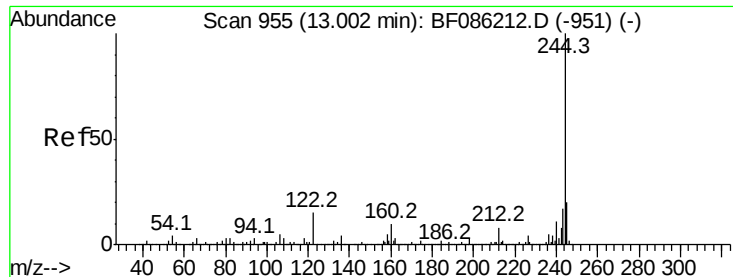


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 18.82 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF086286.D

Acq: 18 Apr 2016 17:13

Instrument :

BNA_F

ClientSampleId :

TW-13-04062016DL

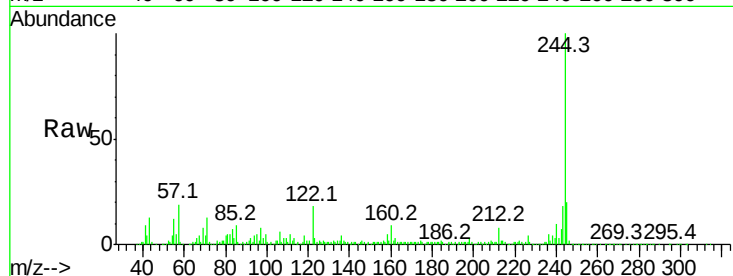
Tot Ion:244 Resp: 439687

Ion Ratio Lower Upper

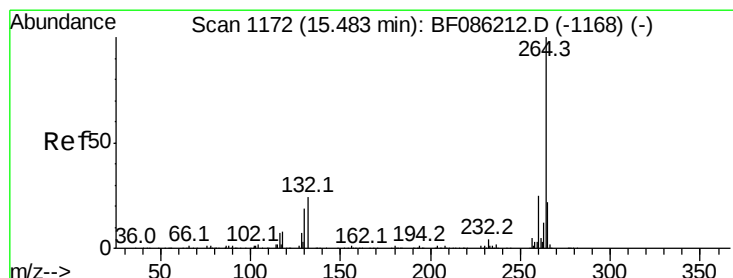
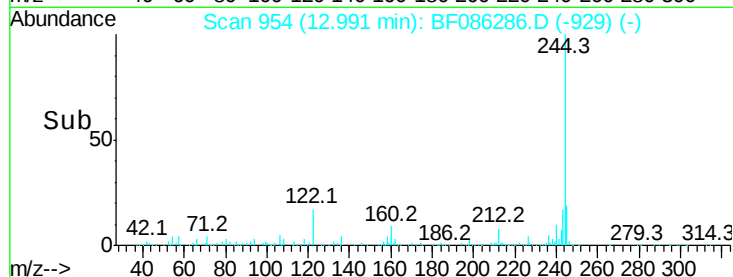
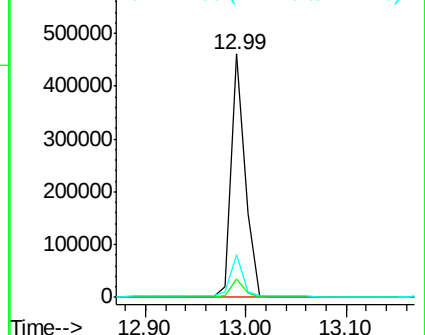
244 100

212 7.8 6.4 9.6

122 17.6 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: BF086286.D

Acq: 18 Apr 2016 17:13

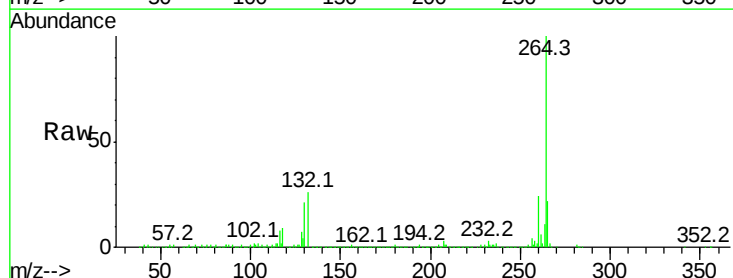
Tgt Ion:264 Resp: 582063

Ion Ratio Lower Upper

264 100

260 24.1 20.0 30.0

265 22.5 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

