

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
 Data File : BF088370.D
 Acq On : 25 Jun 2016 11:56
 Operator : UM/SJ
 Sample : H3599-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1427(0-4)

Quant Time: Jun 26 01:55:47 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

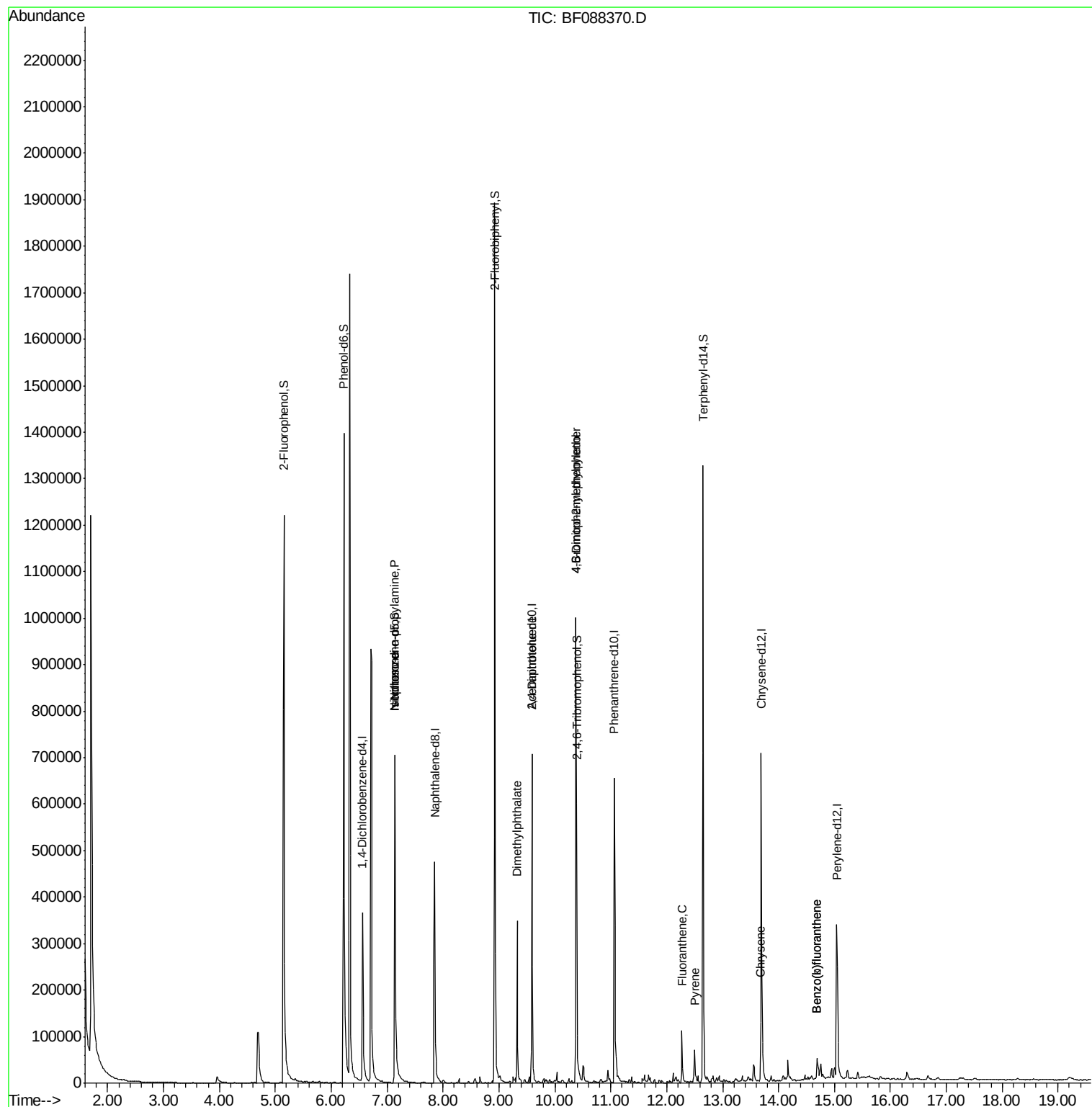
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	83361	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	337882	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	164771	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	326488	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	255077	20.00	ng	-0.06
86) Perylene-d12	15.04	264	177130	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	597910	122.62	ng	-0.02
7) Phenol-d6	6.23	99	716169	121.19	ng	-0.03
23) Nitrobenzene-d5	7.13	82	458415	79.23	ng	-0.05
41) 2,4,6-Tribromophenol	10.39	330	176052	101.19	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	711018	66.59	ng	-0.05
78) Terphenyl-d14	12.65	244	523338	46.69	ng	-0.05
Target Compounds						
10) Phenol	6.24	94	4691	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.13	70	56802	15.02	ng	# 73
25) Isophorone	7.13	82	443390	41.37	ng	# 65
45) 1,1'-Biphenyl	9.04	154	1151	Below Cal	#	43
49) Dimethylphthalate	9.32	163	159359	13.35	ng	99
56) 2,4-Dinitrotoluene	9.59	165	20546	5.85	ng	# 37
57) Fluorene	10.15	166	625	Below Cal	#	89
64) 4,6-Dinitro-2-methylphenol	10.38	198	283	2.30	ng	# 1
66) 4-Bromophenyl-phenylether	10.38	248	10486	2.99	ng	# 1
74) Fluoranthene	12.27	202	56475	3.12	ng	97
77) Pyrene	12.50	202	49360	2.61	ng	99
82) Chrysene	13.68	228	27937	2.04	ng	94
87) Benzo(b)fluoranthene	14.69	252	40422	3.27	ng	# 94
88) Benzo(k)fluoranthene	14.69	252	40422	4.34	ng	99

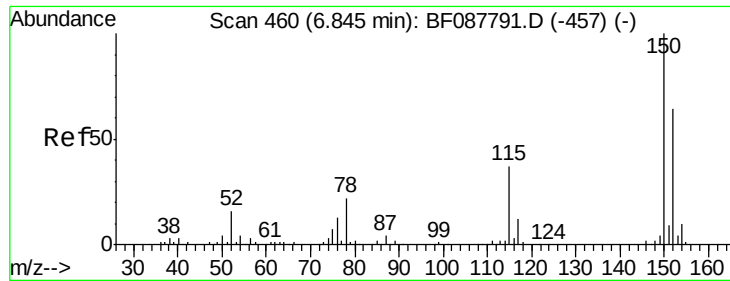
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF088370.D

Acq: 25 Jun 2016 11:56

Instrument :

BNA_F

ClientSampleId :

PM-STA-1427(0-4)

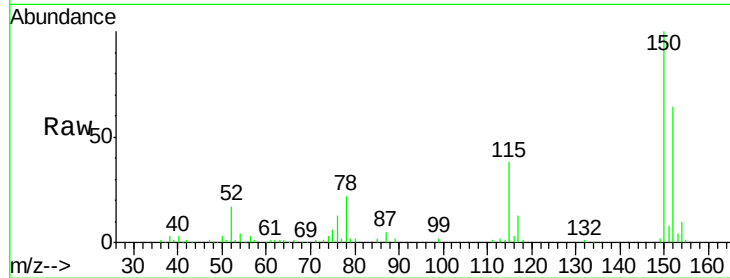
Tgt Ion:152 Resp: 83361

Ion Ratio Lower Upper

152 100

150 156.1 123.8 185.6

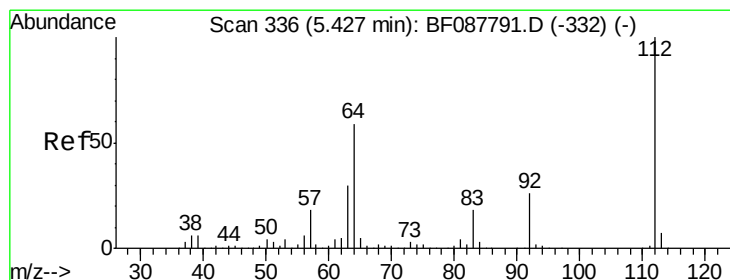
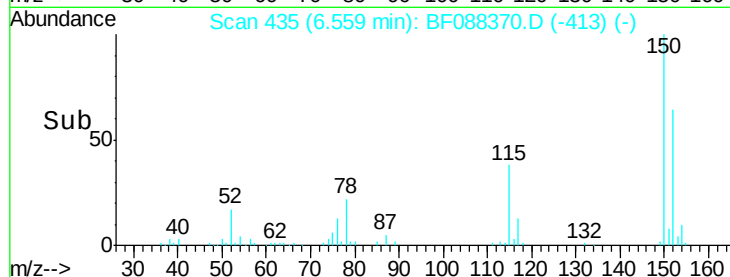
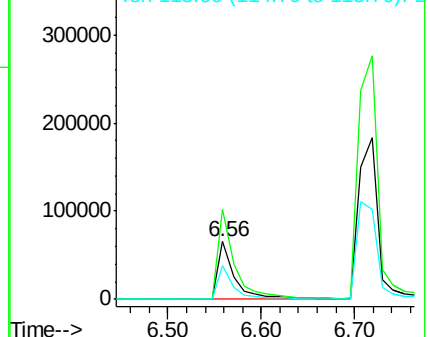
115 59.4 39.6 59.4



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: 122.62 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF088370.D

Acq: 25 Jun 2016 11:56

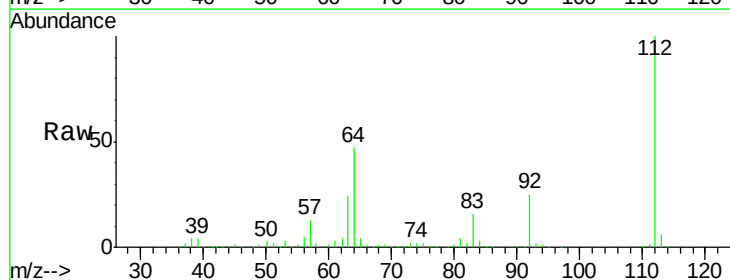
Tgt Ion:112 Resp: 597910

Ion Ratio Lower Upper

112 100

64 47.2 42.2 63.2

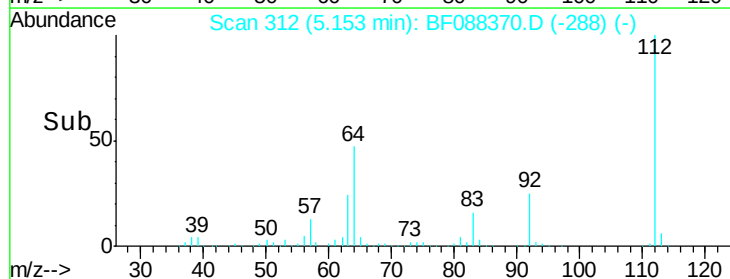
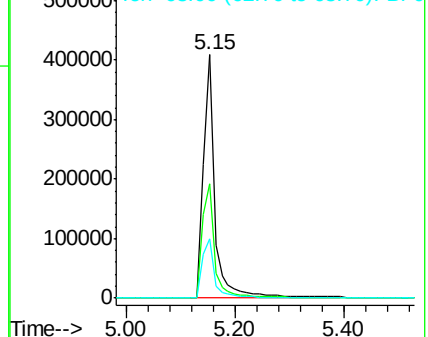
63 24.4 21.8 32.8

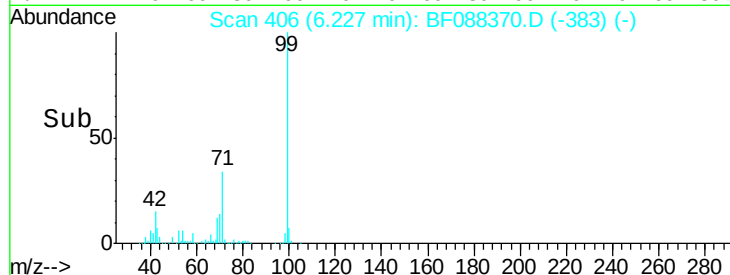
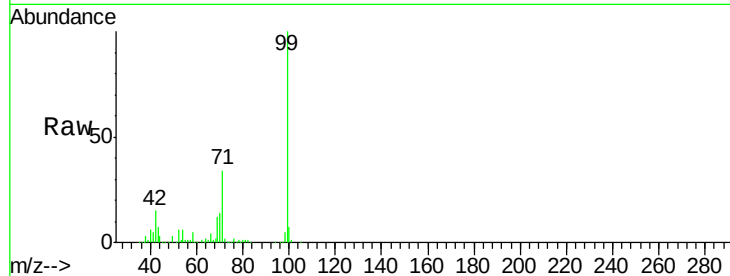
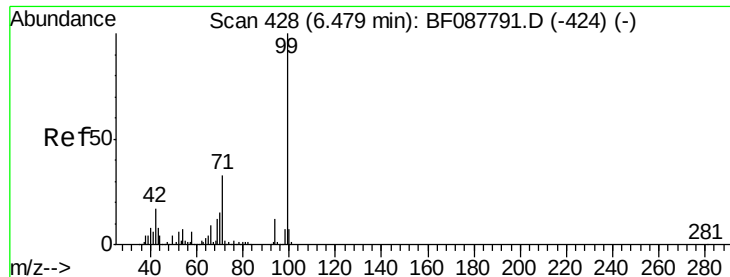


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.19 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088370.D

Acq: 25 Jun 2016 11:56

Instrument :

BNA_F

ClientSampleId :

PM-STA-1427(0-4)

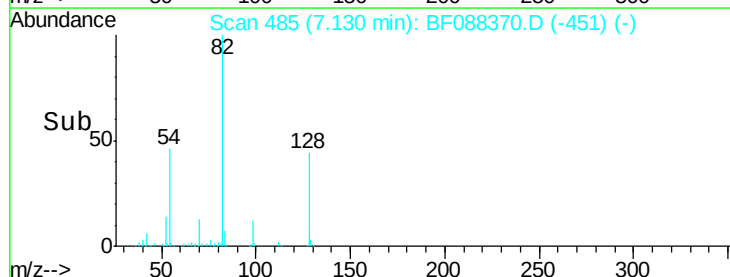
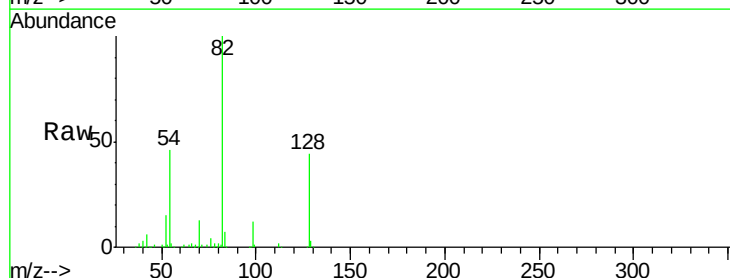
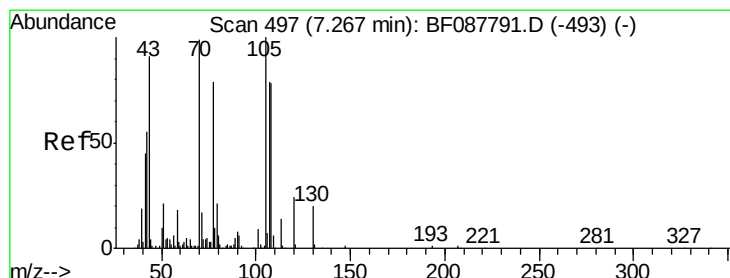
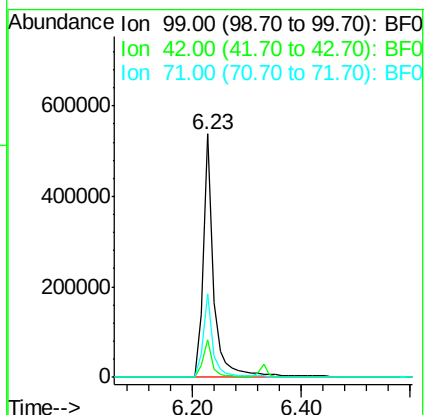
Tgt Ion: 99 Resp: 716169

Ion Ratio Lower Upper

99 100

42 15.4 12.2 18.2

71 34.2 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.02 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.09 min

Lab File: BF088370.D

Acq: 25 Jun 2016 11:56

Tgt Ion: 70 Resp: 56802

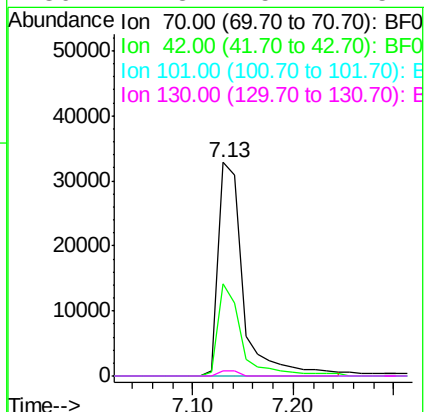
Ion Ratio Lower Upper

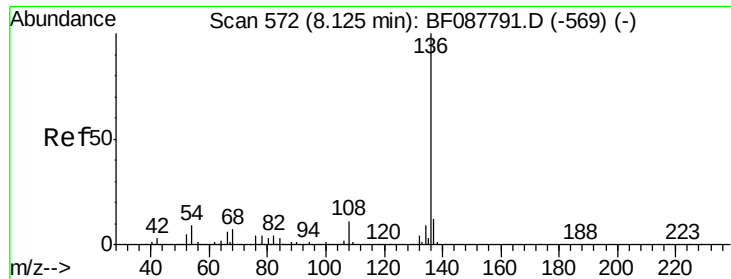
70 100

42 43.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.3 15.4 23.2#

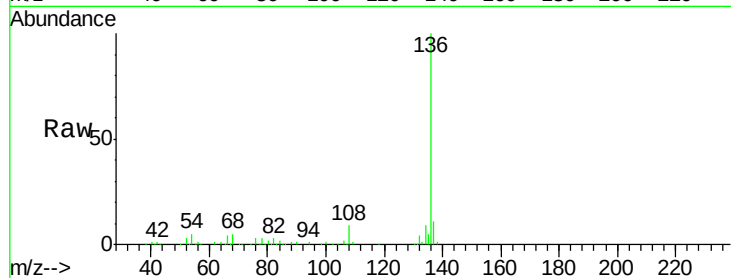




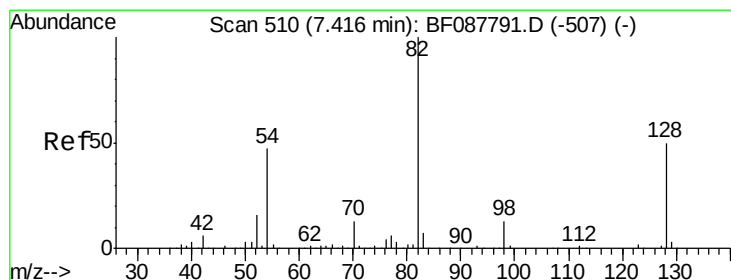
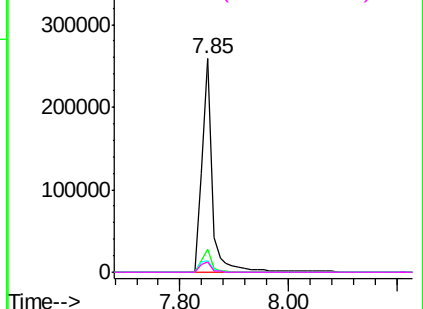
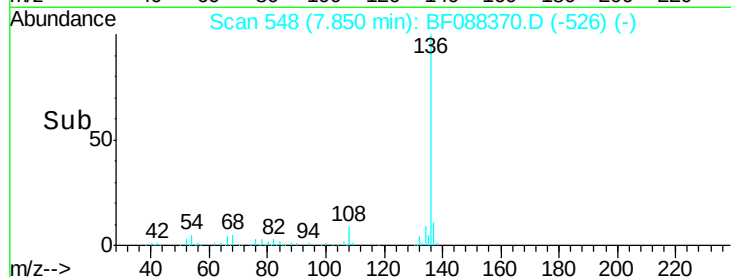
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF088370.D
Acq: 25 Jun 2016 11:56

Instrument :
BNA_F
ClientSampleId :
PM-STA-1427(0-4)

Tgt Ion:	136	Resp:	337882
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.2	6.6	10.0#
68	4.6	5.1	7.7#

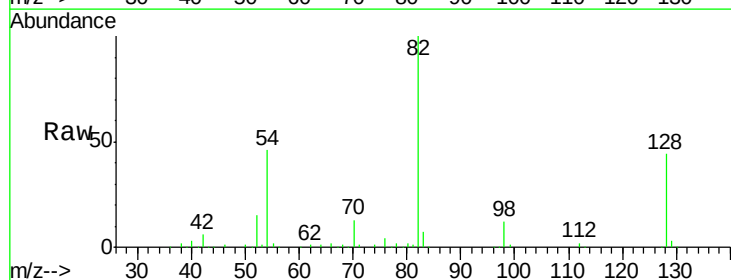


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

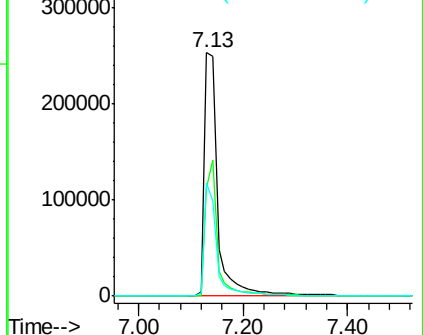
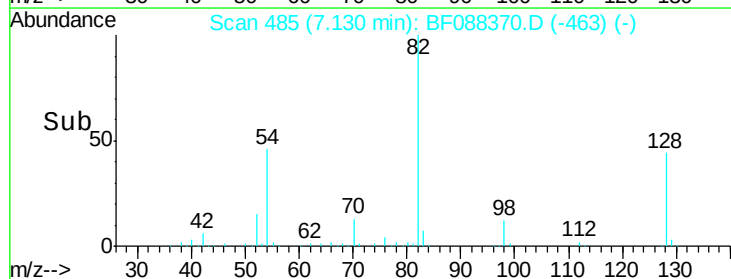


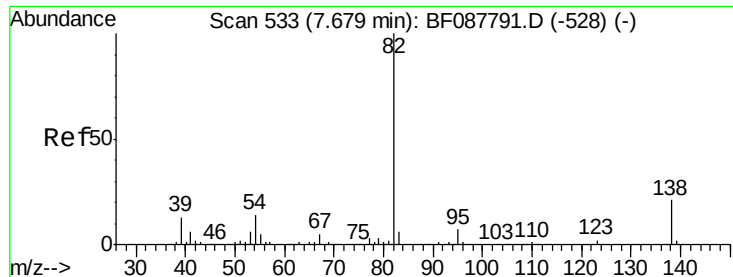
#23
Nitrobenzene-d5
Concen: 79.23 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.05 min
Lab File: BF088370.D
Acq: 25 Jun 2016 11:56

Tgt Ion:	82	Resp:	458415
Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.9	53.9
54	46.4	40.9	61.3



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

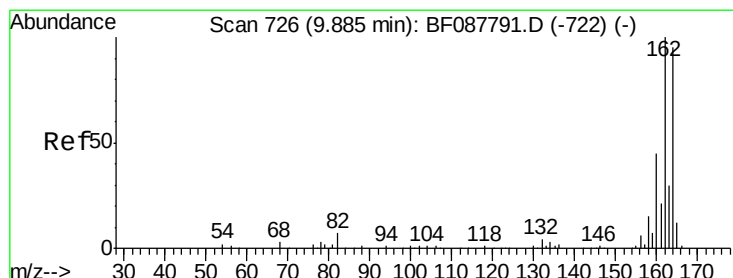
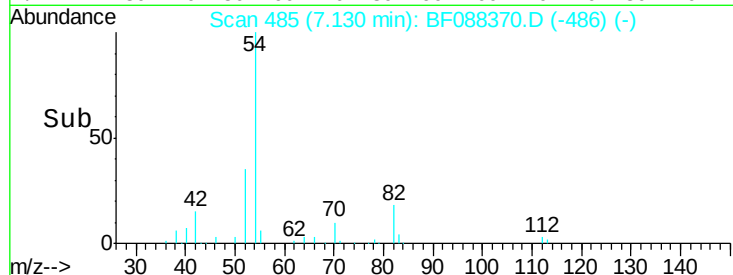
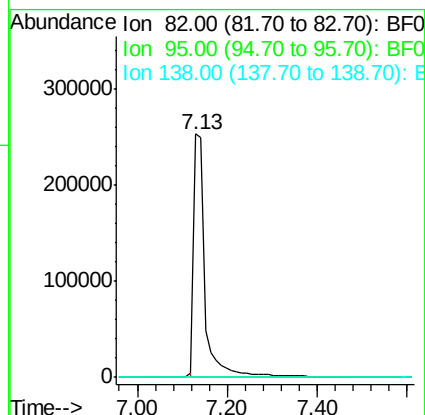
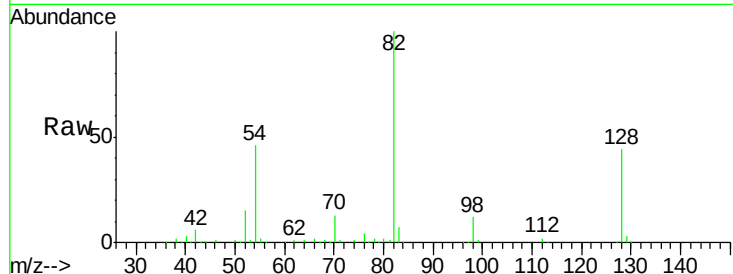




#25
Isophorone
Concen: 41.37 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.31 min
Lab File: BF088370.D
Acq: 25 Jun 2016 11:56

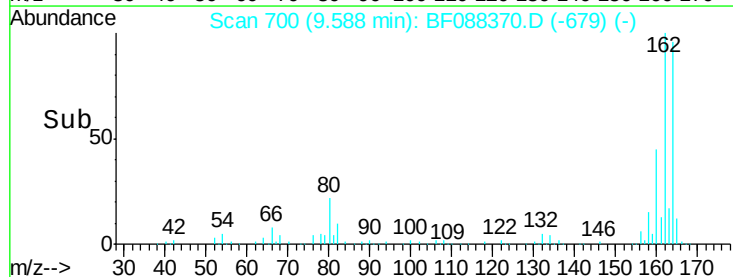
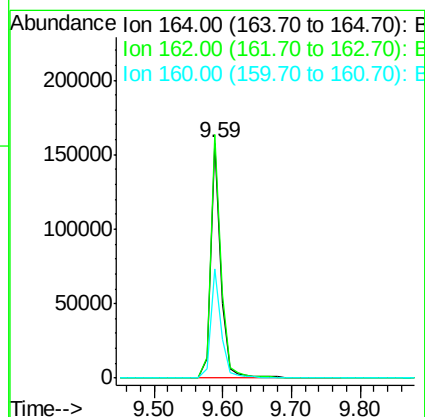
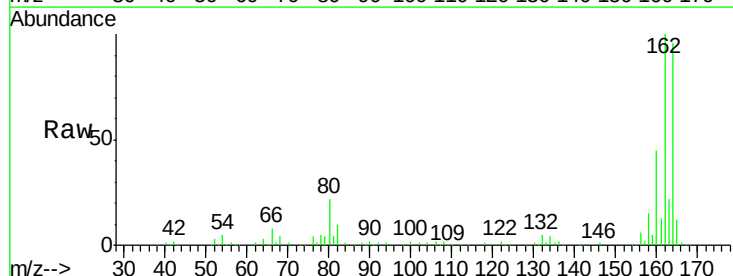
Instrument :
BNA_F
ClientSampleId :
PM-STA-1427(0-4)

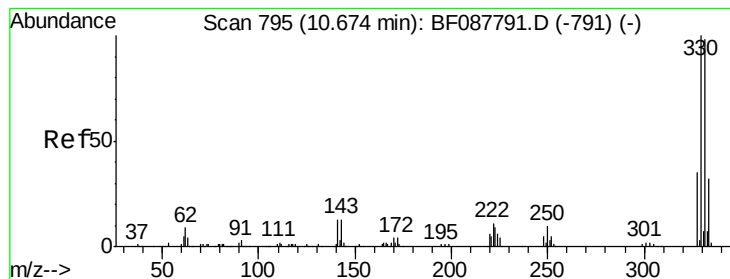
Tgt Ion: 82 Resp: 443390
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.6 21.8#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.06 min
Lab File: BF088370.D
Acq: 25 Jun 2016 11:56

Tgt Ion: 164 Resp: 164771
Ion Ratio Lower Upper
164 100
162 103.7 85.4 128.2
160 46.6 39.5 59.3

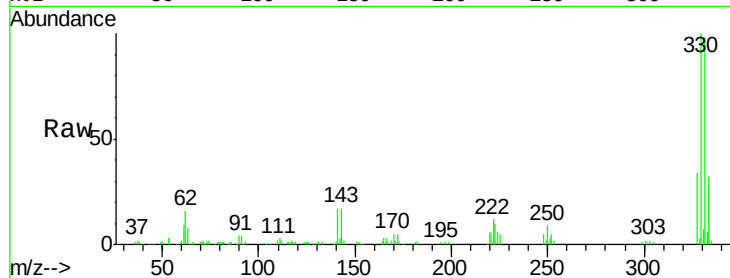




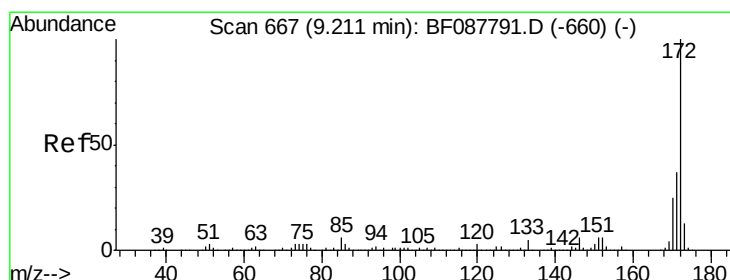
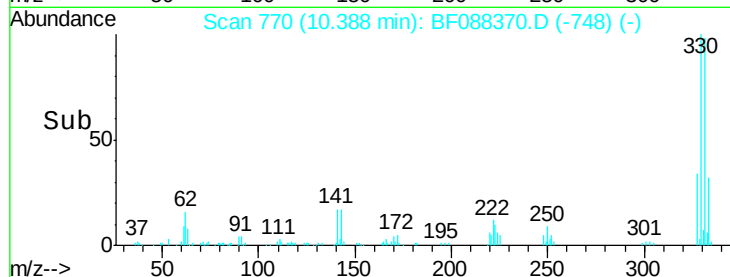
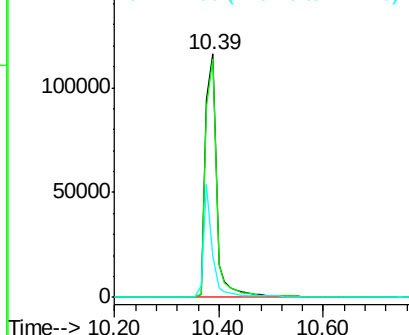
#41
 2,4,6-Tribromophenol
 Concen: 101.19 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF088370.D
 Acq: 25 Jun 2016 11:56

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1427(0-4)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	0.0	0.0#
141	36.4	0.0	0.0#

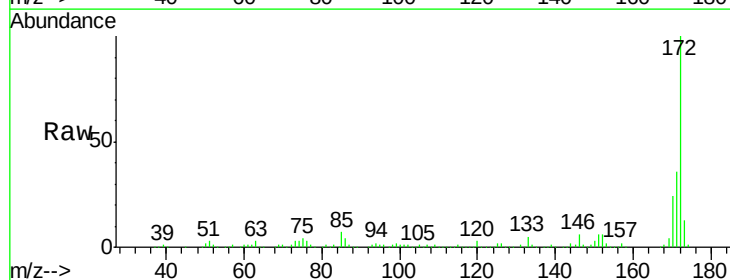


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

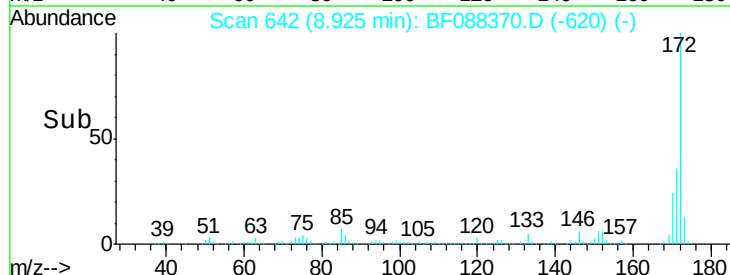
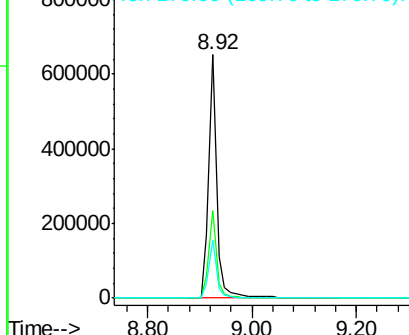


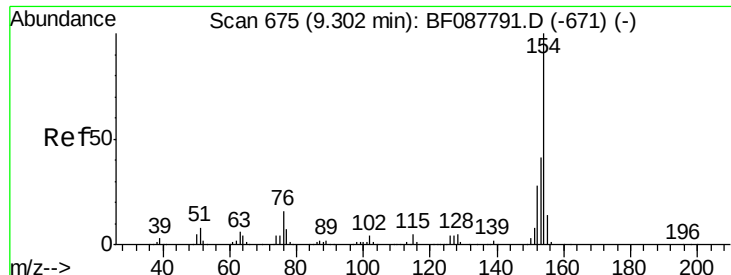
#44
 2-Fluorobiphenyl
 Concen: 66.59 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088370.D
 Acq: 25 Jun 2016 11:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	23.8	19.2	28.8



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

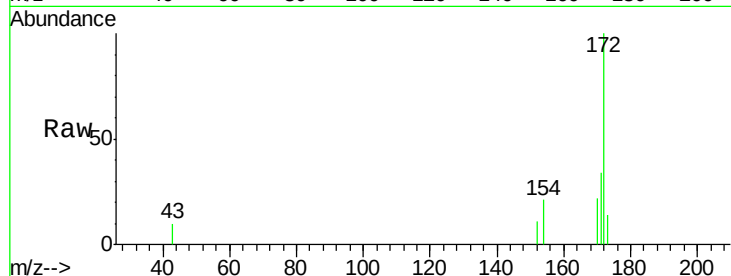




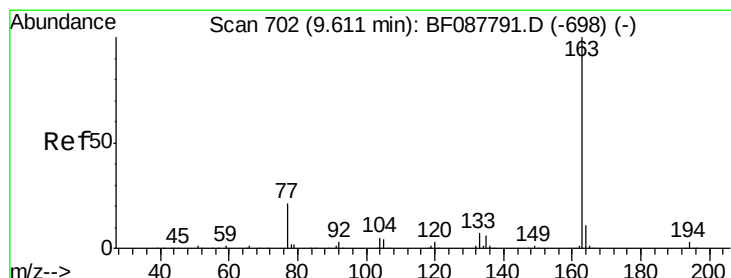
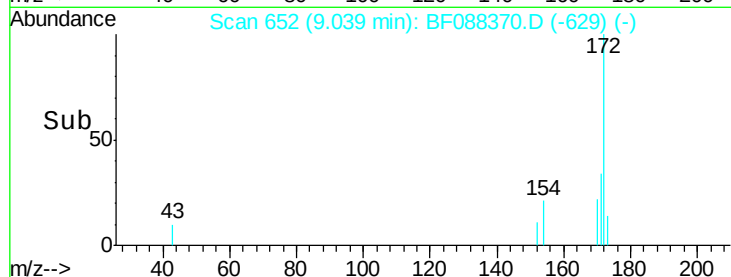
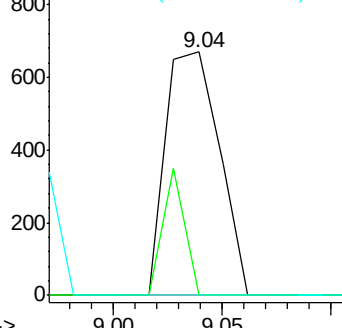
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.04 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF088370.D
Acq: 25 Jun 2016 11:56

Instrument :
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PM-STA-1427(0-4)

Tgt Ion:154 Resp: 1151
Ion Ratio Lower Upper
154 100
153 0.0 20.6 60.6#
76 0.0 0.0 35.1

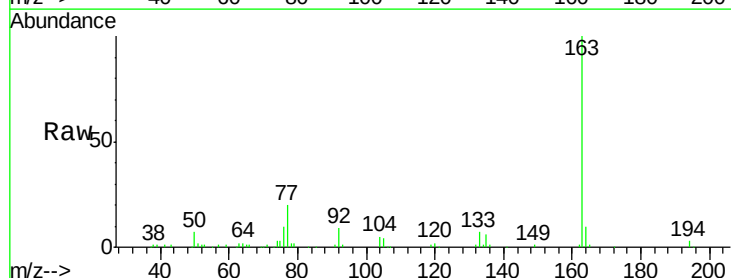


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

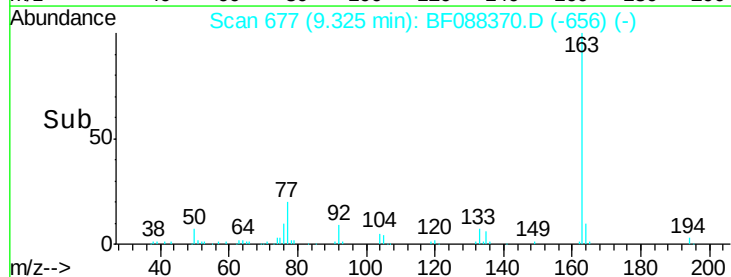
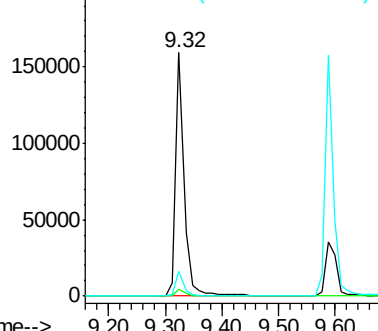


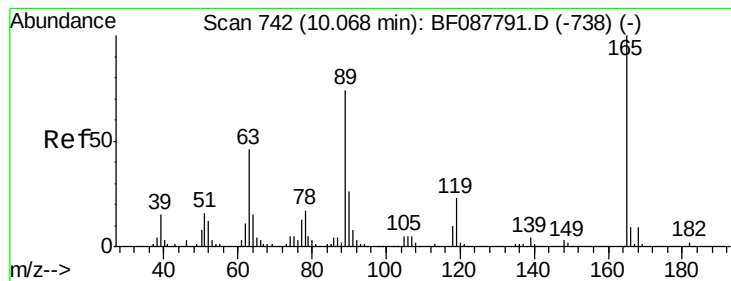
#49
Dimethylphthalate
Concen: 13.35 ng
RT: 9.32 min Scan# 677
Delta R.T. -0.06 min
Lab File: BF088370.D
Acq: 25 Jun 2016 11:56

Tgt Ion:163 Resp: 159359
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 10.3 8.3 12.5



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





#56

2,4-Dinitrotoluene

Concen: 5.85 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.26 min

Lab File: BF088370.D

Acq: 25 Jun 2016 11:56

Instrument :

BNA_F

ClientSampleId :

PM-STA-1427(0-4)

Tgt Ion:165 Resp: 20546

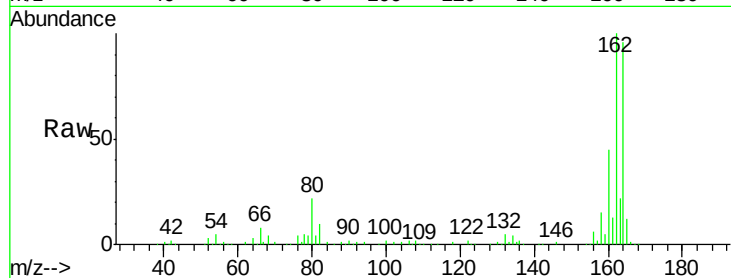
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.8 41.1 61.7#

182 0.0 2.0 3.0#



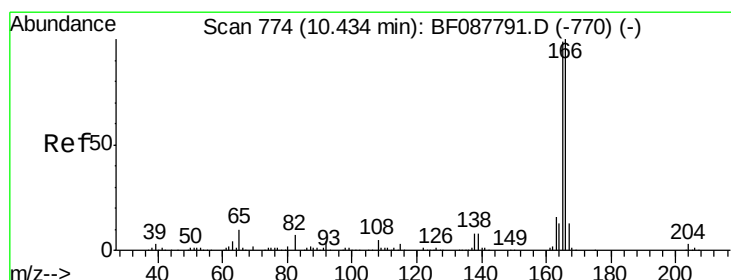
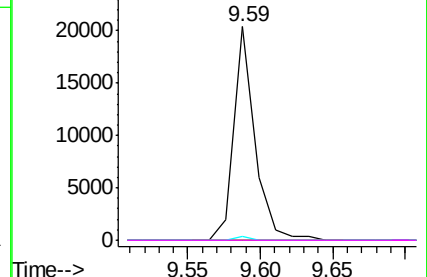
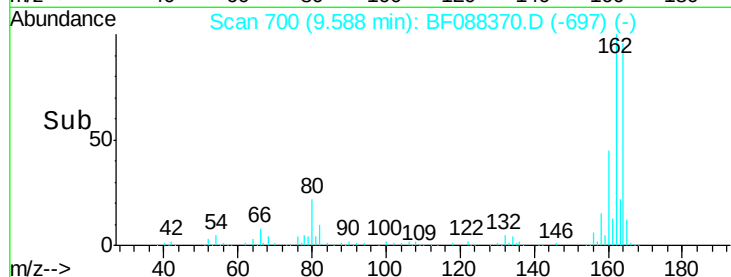
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

Time-->



#57

Fluorene

Concen: Below Cal

RT: 10.15 min Scan# 749

Delta R.T. -0.05 min

Lab File: BF088370.D

Acq: 25 Jun 2016 11:56

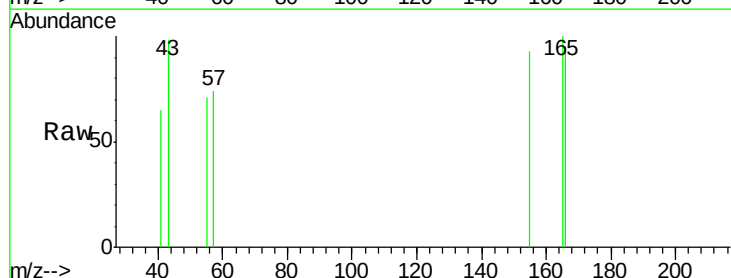
Tgt Ion:166 Resp: 625

Ion Ratio Lower Upper

166 100

165 105.4 77.8 116.8

167 0.0 11.2 16.8#

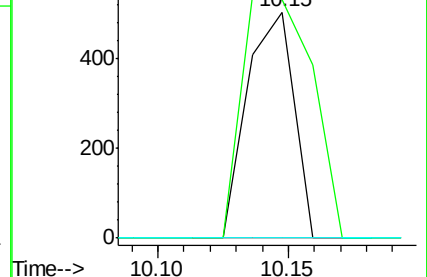
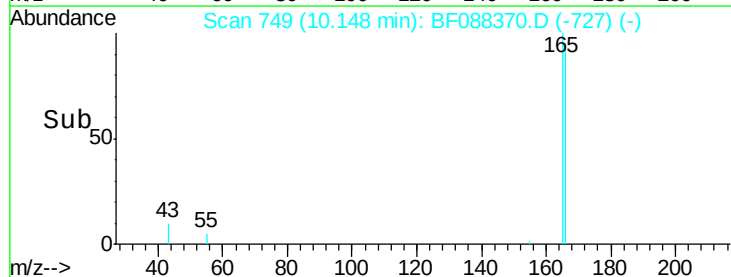


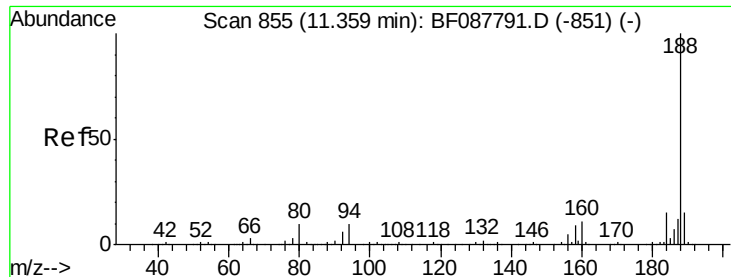
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->

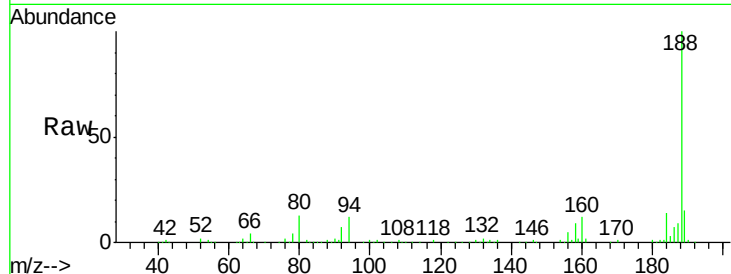




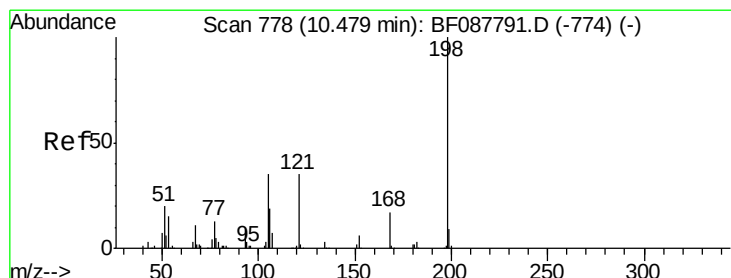
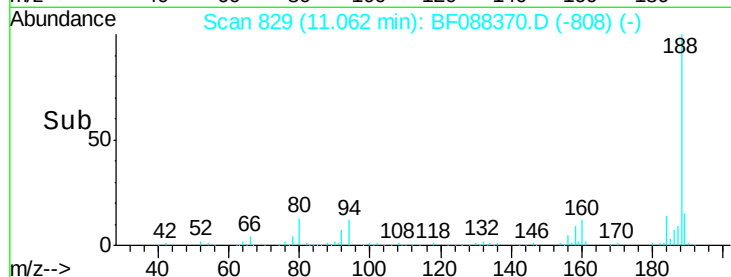
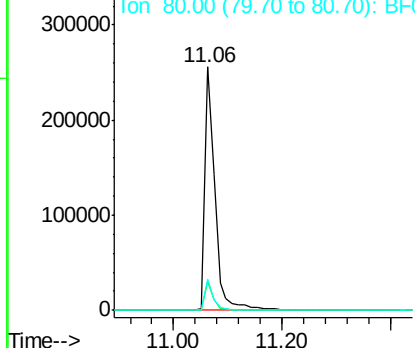
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF088370.D
Acq: 25 Jun 2016 11:56

Instrument :
BNA_F
ClientSampleId :
PM-STA-1427(0-4)

Tgt Ion:188 Resp: 326488
Ion Ratio Lower Upper
188 100
94 12.0 9.0 13.6
80 12.9 10.0 15.0

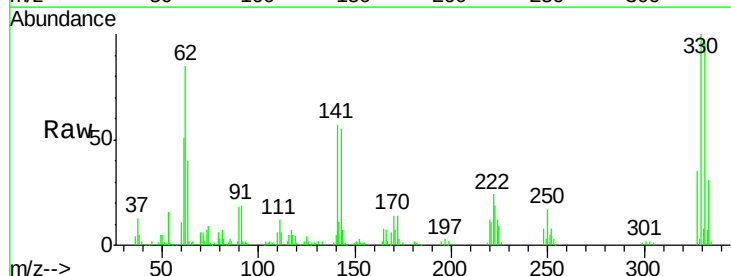


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

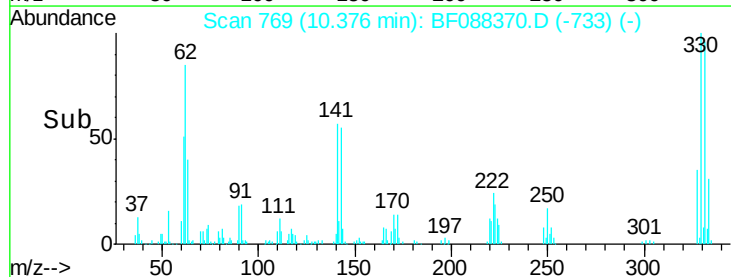
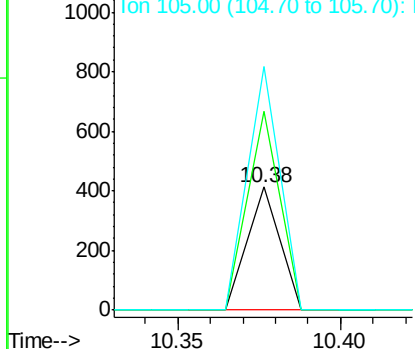


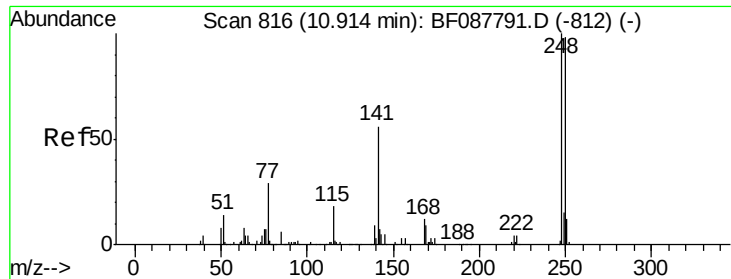
#64
4,6-Dinitro-2-methylphenol
Concen: 2.30 ng
RT: 10.38 min Scan# 769
Delta R.T. 0.11 min
Lab File: BF088370.D
Acq: 25 Jun 2016 11:56

Tgt Ion:198 Resp: 283
Ion Ratio Lower Upper
198 100
51 161.9 39.6 79.6#
105 198.3 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

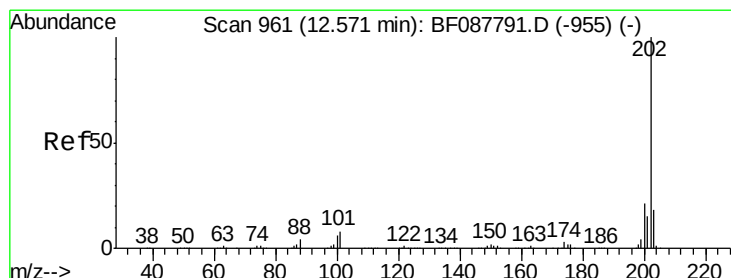
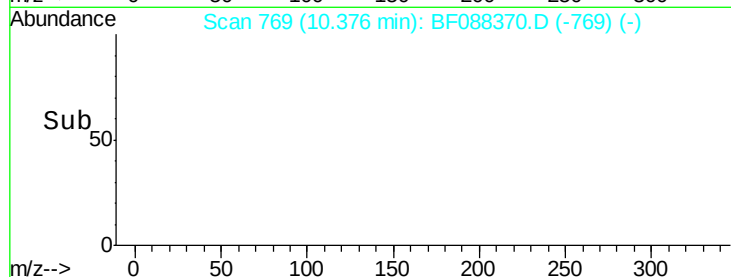
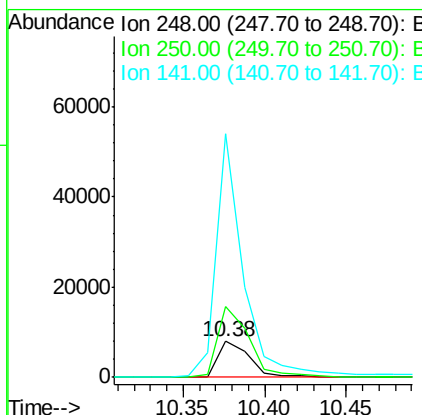
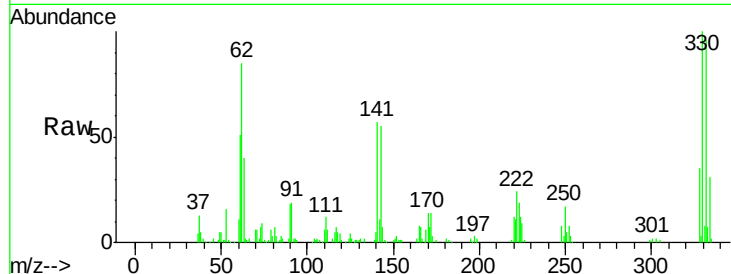




#66
4-Bromophenyl-phenylether
Concen: 2.99 ng
RT: 10.38 min Scan# 769
Delta R.T. -0.30 min
Lab File: BF088370.D
Acq: 25 Jun 2016 11:56

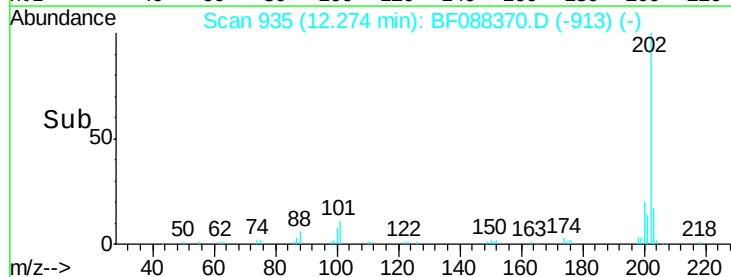
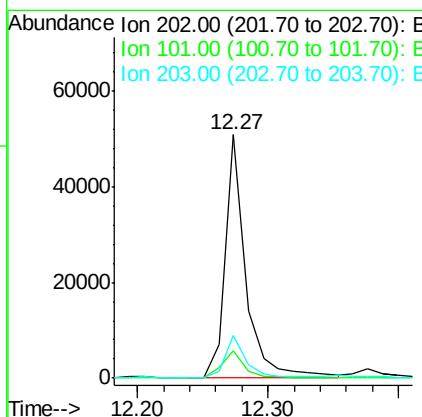
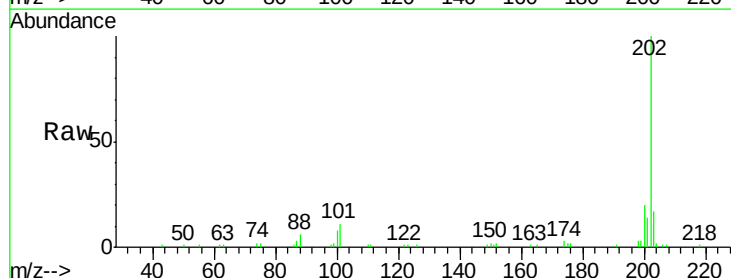
Instrument :
BNA_F
ClientSampleId :
PM-STA-1427(0-4)

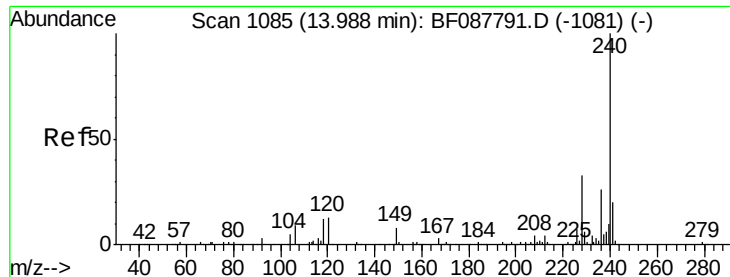
Tgt Ion:248 Resp: 10486
Ion Ratio Lower Upper
248 100
250 198.2 77.1 115.7#
141 683.2 50.6 76.0#



#74
Fluoranthene
Concen: 3.12 ng
RT: 12.27 min Scan# 935
Delta R.T. -0.05 min
Lab File: BF088370.D
Acq: 25 Jun 2016 11:56

Tgt Ion:202 Resp: 56475
Ion Ratio Lower Upper
202 100
101 11.0 0.0 33.1
203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.06 min

Lab File: BF088370.D

Acq: 25 Jun 2016 11:56

Instrument :

BNA_F

ClientSampleId :

PM-STA-1427(0-4)

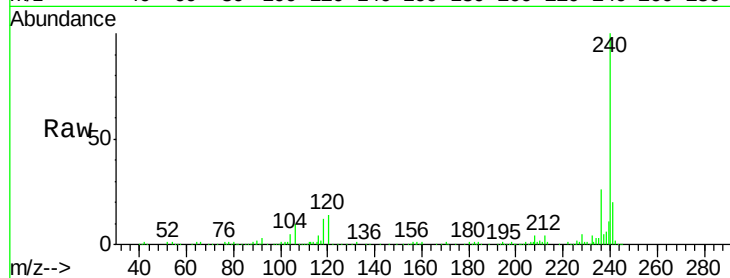
Tgt Ion:240 Resp: 255077

Ion Ratio Lower Upper

240 100

120 14.0 6.8 10.2#

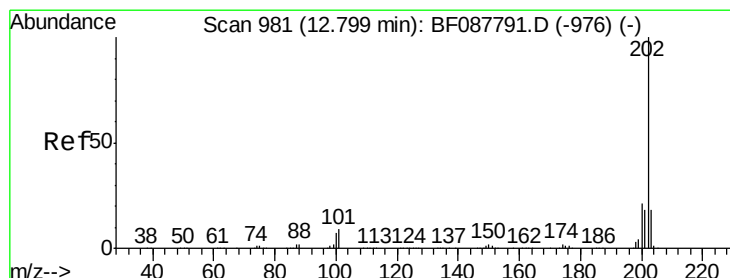
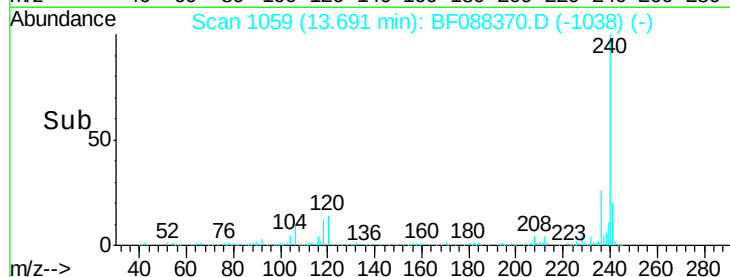
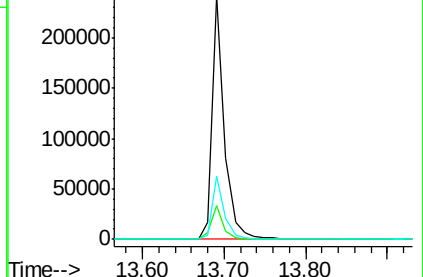
236 25.7 20.2 30.2



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: 2.61 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.05 min

Lab File: BF088370.D

Acq: 25 Jun 2016 11:56

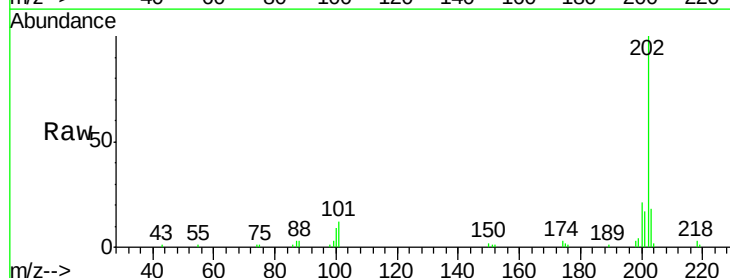
Tgt Ion:202 Resp: 49360

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

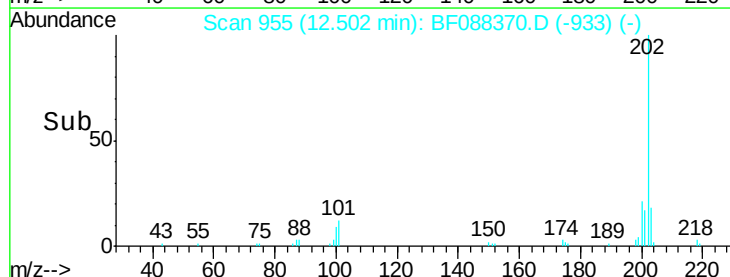
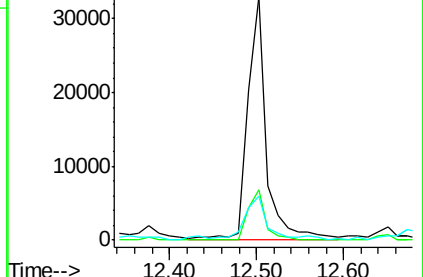
203 18.3 14.5 21.7

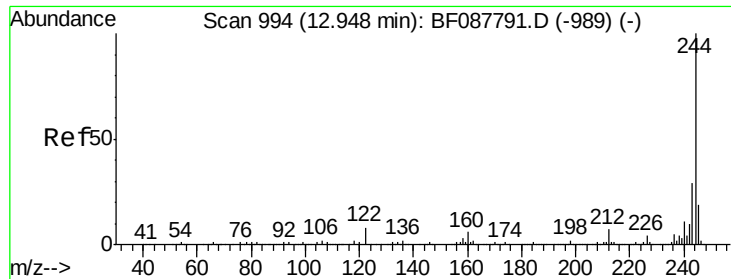


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

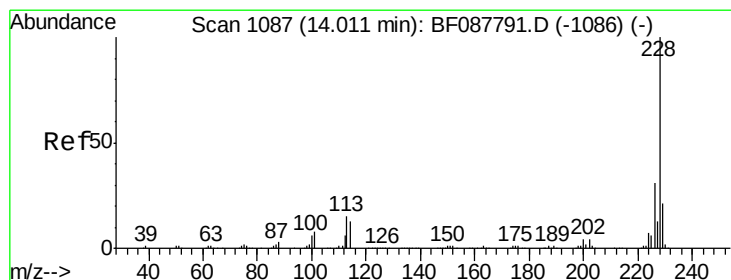
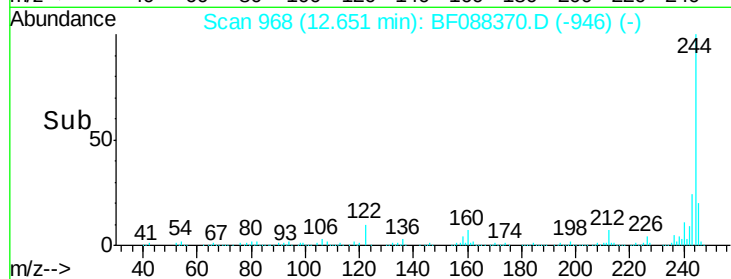
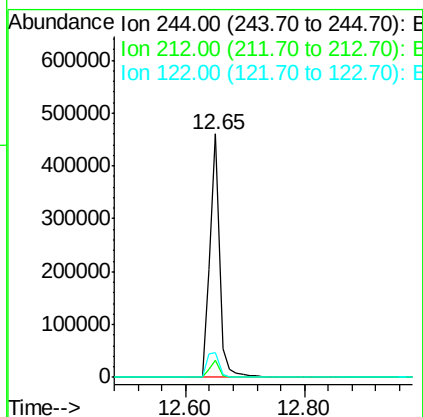
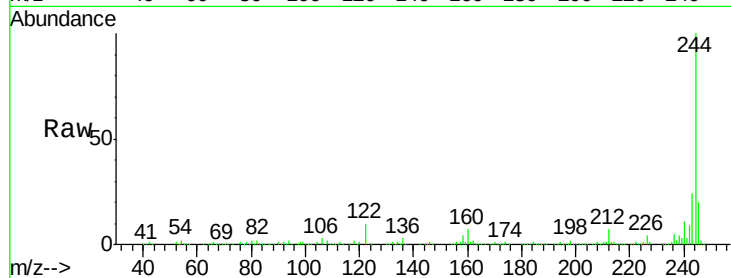




#78
 Terphenyl-d14
 Concen: 46.69 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.05 min
 Lab File: BF088370.D
 Acq: 25 Jun 2016 11:56

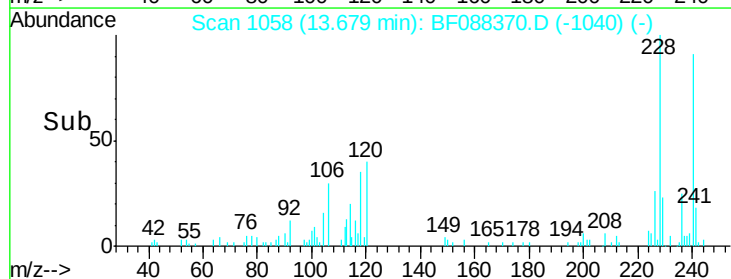
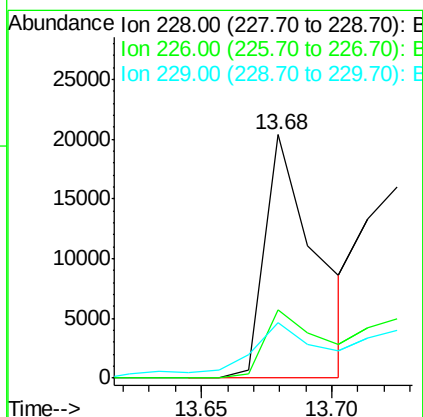
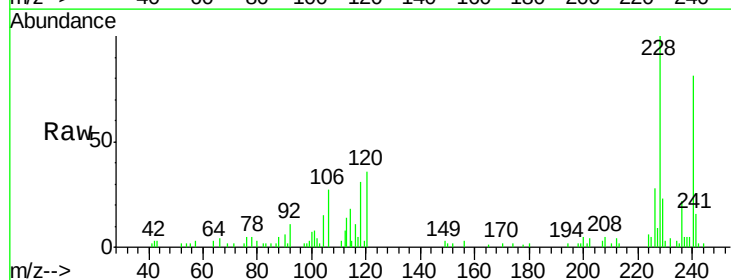
Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1427(0-4)

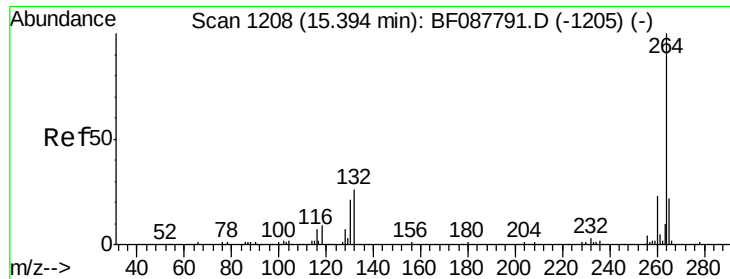
Tgt Ion: 244 Resp: 523338
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 10.3 11.2 16.8#



#82
 Chrysene
 Concen: 2.04 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. -0.09 min
 Lab File: BF088370.D
 Acq: 25 Jun 2016 11:56

Tgt Ion: 228 Resp: 27937
 Ion Ratio Lower Upper
 228 100
 226 28.3 25.4 38.2
 229 23.0 16.3 24.5



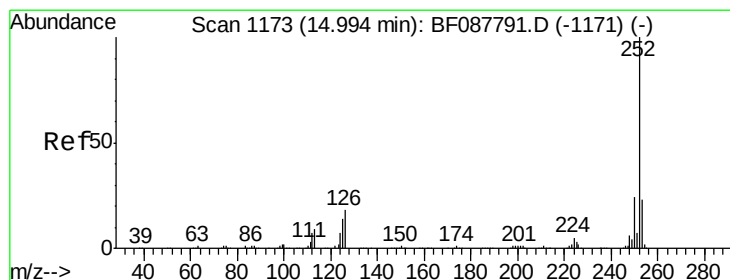
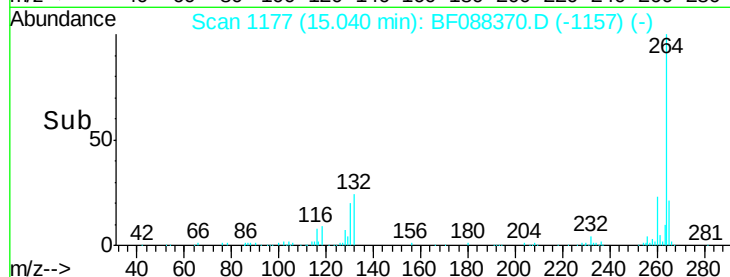
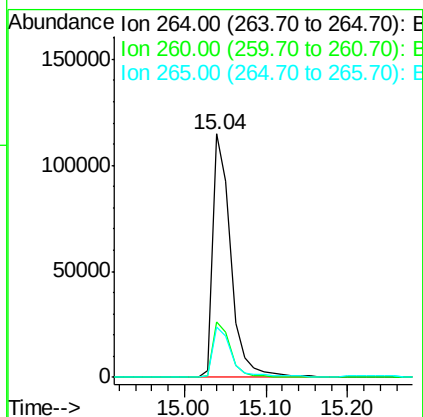
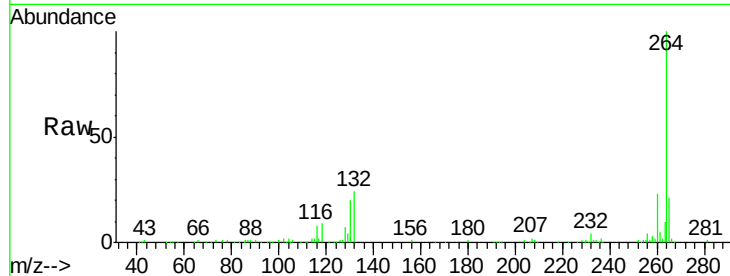


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.07 min
Lab File: BF088370.D
Acq: 25 Jun 2016 11:56

Instrument :
BNA_F
ClientSampleId :
PM-STA-1427(0-4)

Tgt Ion: 264 Resp: 177130

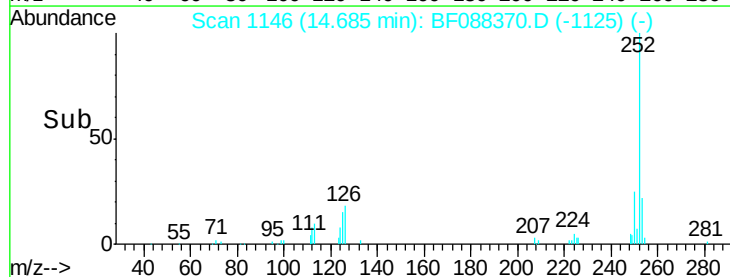
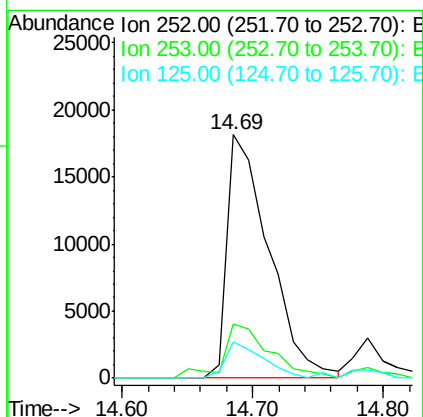
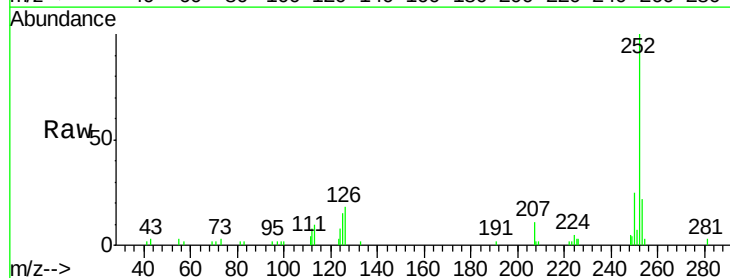
Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	20.8	16.9	25.3

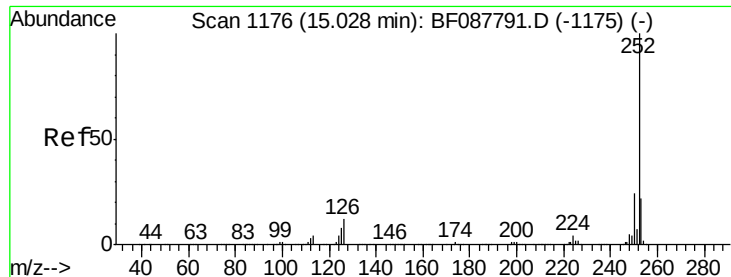


#87
Benzo(b)fluoranthene
Concen: 3.27 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.06 min
Lab File: BF088370.D
Acq: 25 Jun 2016 11:56

Tgt Ion: 252 Resp: 40422

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	14.9	7.1	10.7#





#88
 Benzo(k)fluoranthene
 Concen: 4.34 ng
 RT: 14.69 min Scan# 1146
 Delta R.T. -0.08 min
 Lab File: BF088370.D
 Acq: 25 Jun 2016 11:56

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1427(0-4)

Tgt Ion:	252	Resp:	40422
Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	14.9	11.2	16.8

