

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062216\
 Data File : BF088275.D
 Acq On : 23 Jun 2016 5:04
 Operator : UM/SJ
 Sample : H3065-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 23 05:30:22 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

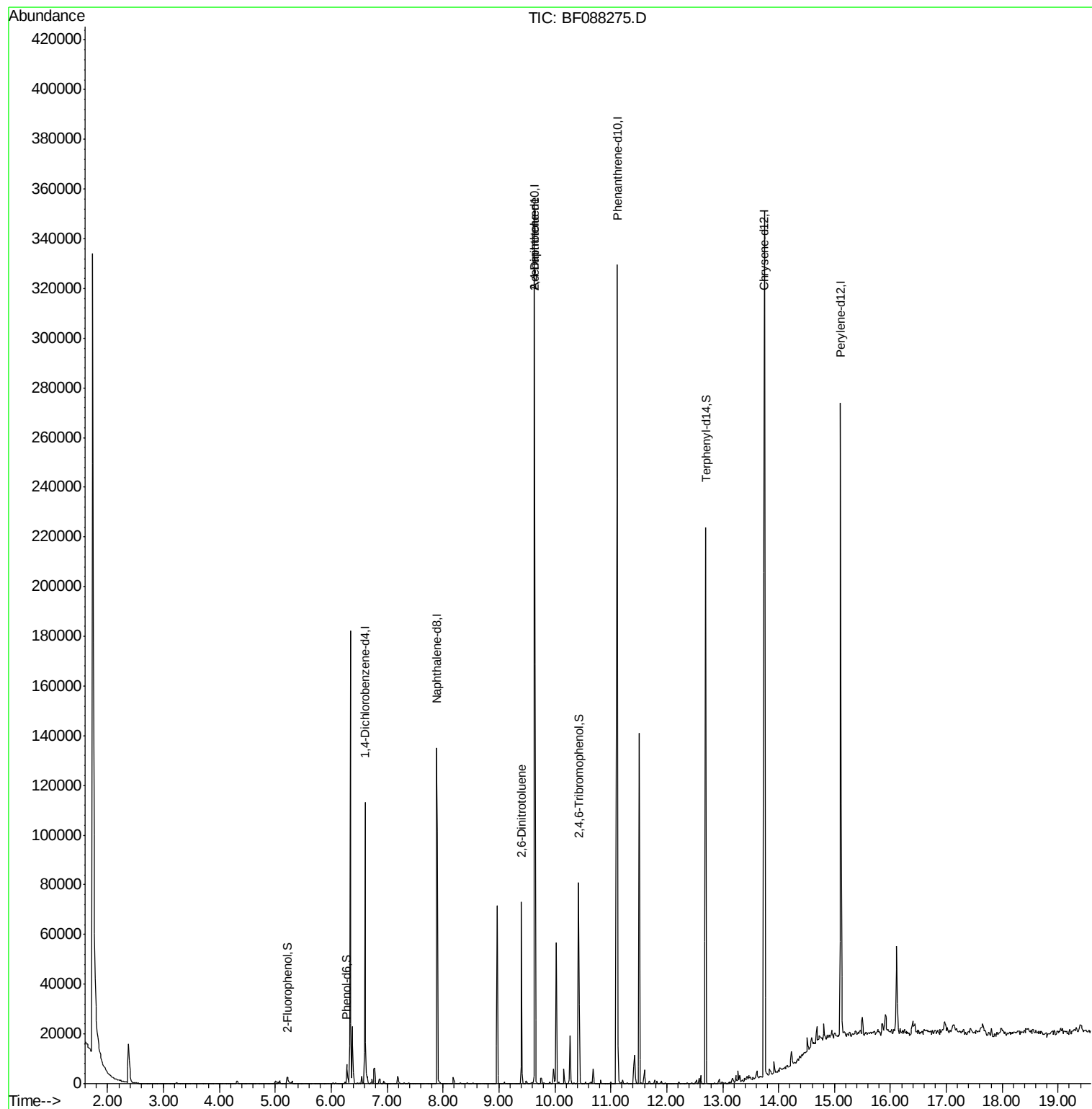
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	20176	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	91280	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	76682	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	166004	20.00	ng	0.00
75) Chrysene-d12	13.75	240	147474	20.00	ng	0.00
86) Perylene-d12	15.11	264	102987	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	3411	2.89	ng	0.05
7) Phenol-d6	6.27	99	7485	5.23	ng	0.01
23) Nitrobenzene-d5	7.19	82	2349	1.50	ng	0.01
41) 2,4,6-Tribromophenol	10.42	330	10996	13.58	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	25347	-0.37	ng	0.00
78) Terphenyl-d14	12.70	244	71768	11.07	ng	0.00
Target Compounds						
50) 2,6-Dinitrotoluene	9.40	165	8739	6.87	ng	# 37
56) 2,4-Dinitrotoluene	9.63	165	9961	6.09	ng	# 36
57) Fluorene	10.27	166	335	Below Cal		# 9

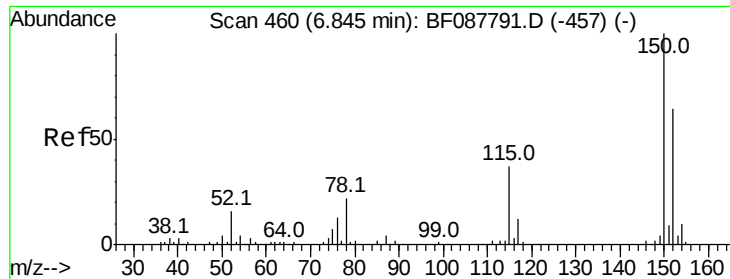
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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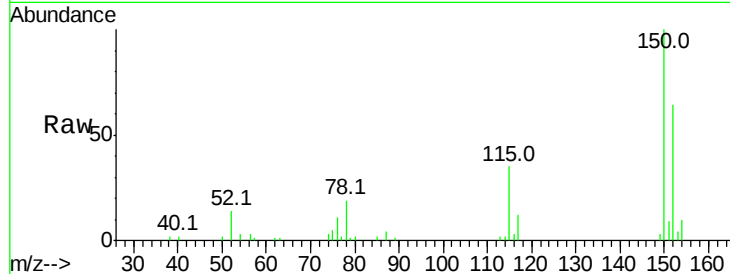


#1

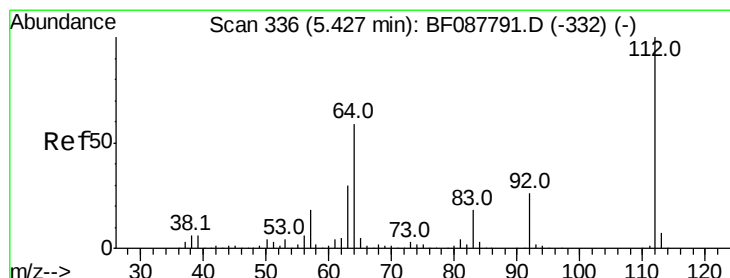
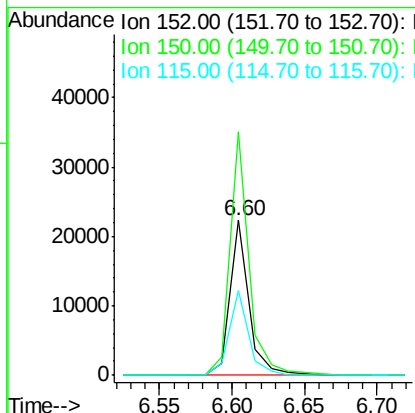
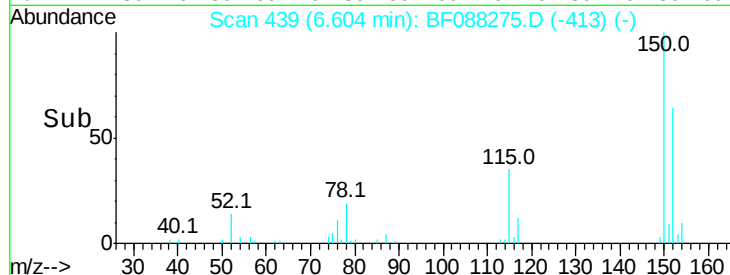
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF088275.D
Acq: 23 Jun 2016 5:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 20176
Ion Ratio Lower Upper
152 100
150 157.2 123.8 185.6
115 55.0 39.6 59.4



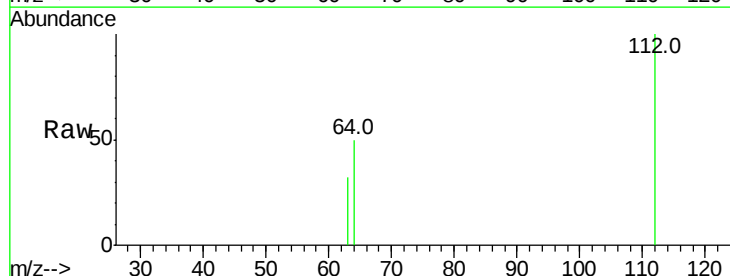
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



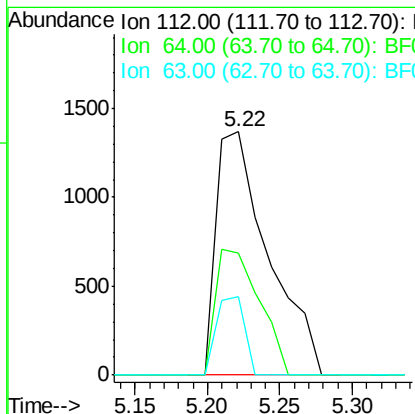
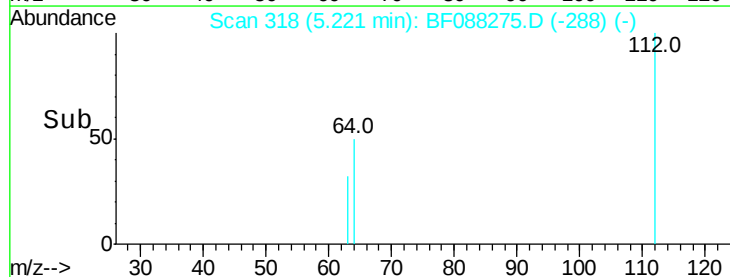
#5

2-Fluorophenol
Concen: 2.89 ng
RT: 5.22 min Scan# 318
Delta R.T. 0.05 min
Lab File: BF088275.D
Acq: 23 Jun 2016 5:04

Tgt Ion:112 Resp: 3411
Ion Ratio Lower Upper
112 100
64 50.1 42.2 63.2
63 32.3 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: 5.23 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.01 min

Lab File: BF088275.D

Acq: 23 Jun 2016 5:04

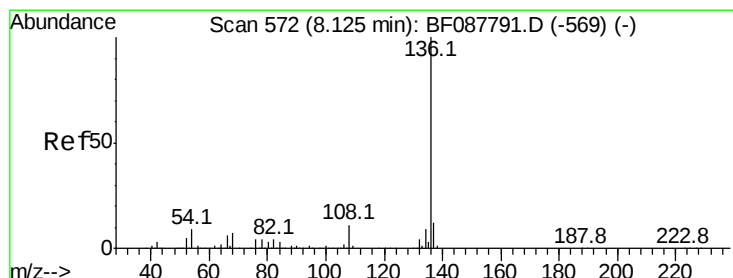
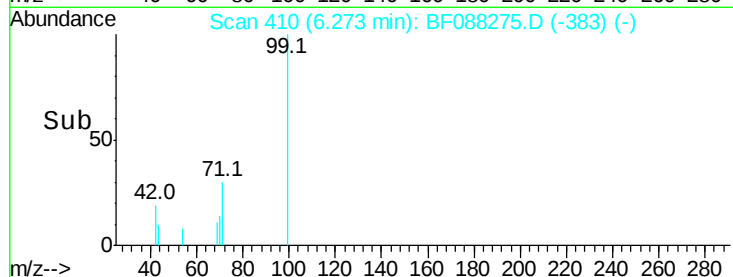
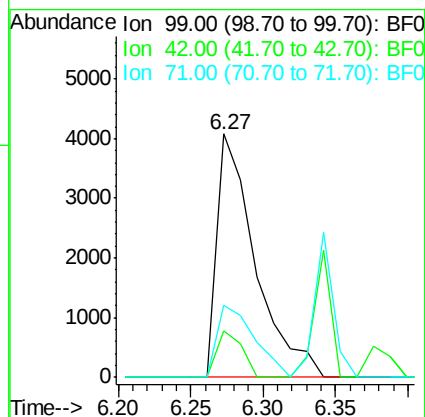
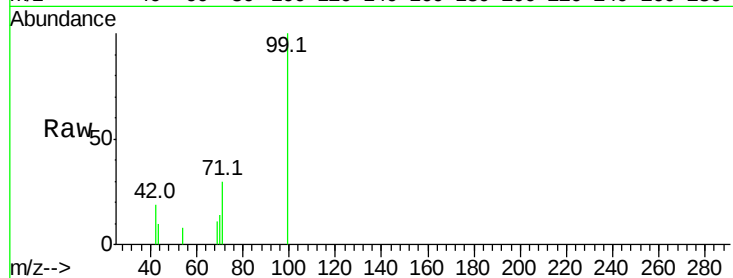
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 7485

Ion	Ratio	Lower	Upper
99	100		
42	18.9	12.2	18.2#
71	29.8	23.4	35.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

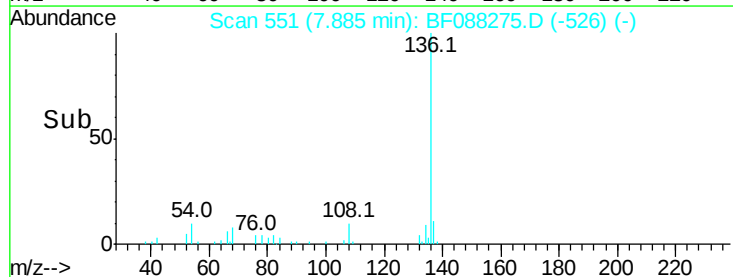
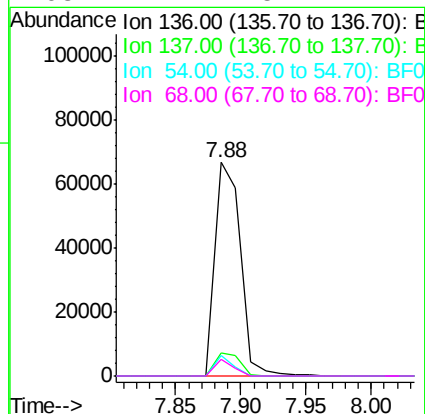
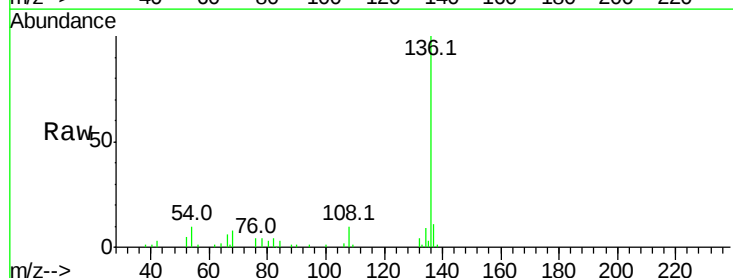
Delta R.T. -0.01 min

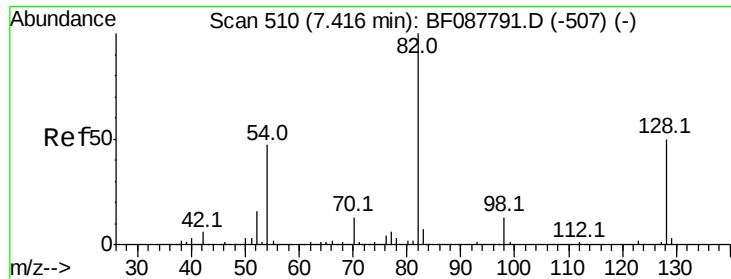
Lab File: BF088275.D

Acq: 23 Jun 2016 5:04

Tgt Ion: 136 Resp: 91280

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	9.8	6.6	10.0
68	7.7	5.1	7.7

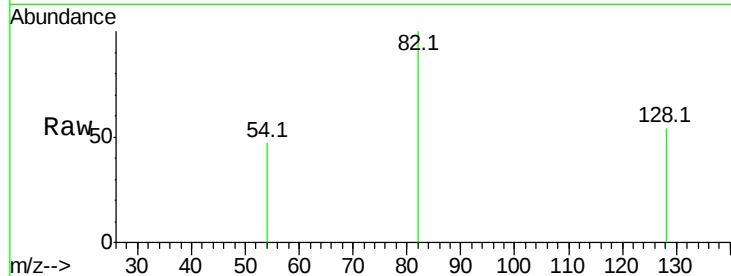




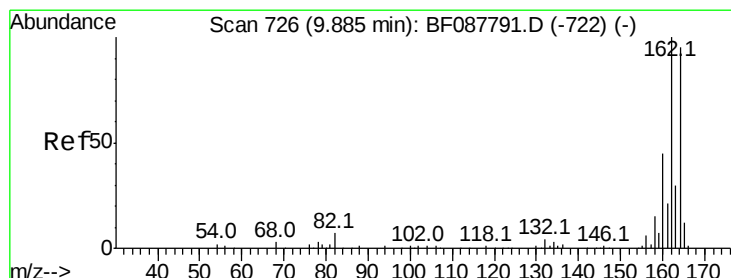
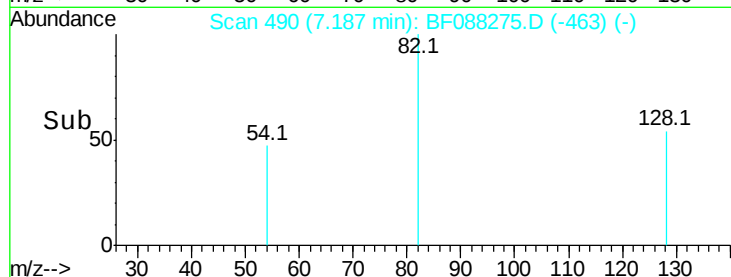
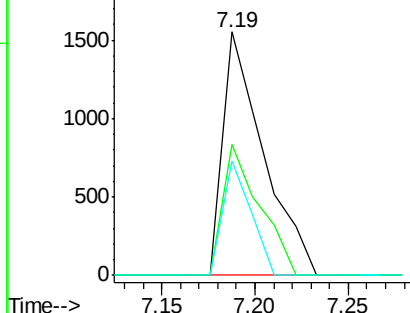
#23
Nitrobenzene-d5
Concen: 1.50 ng
RT: 7.19 min Scan# 490
Delta R.T. 0.01 min
Lab File: BF088275.D
Acq: 23 Jun 2016 5:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	2349
Ion Ratio	Lower	Upper	
82	100		
128	53.6	35.9	53.9
54	46.7	40.9	61.3

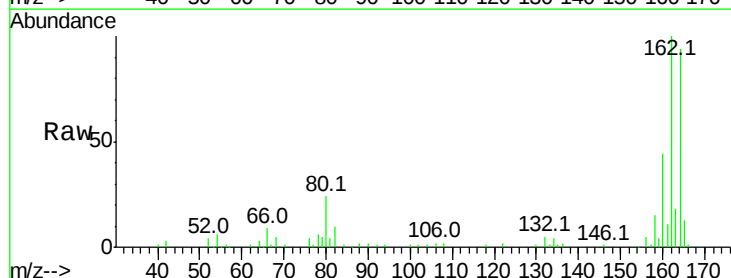


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

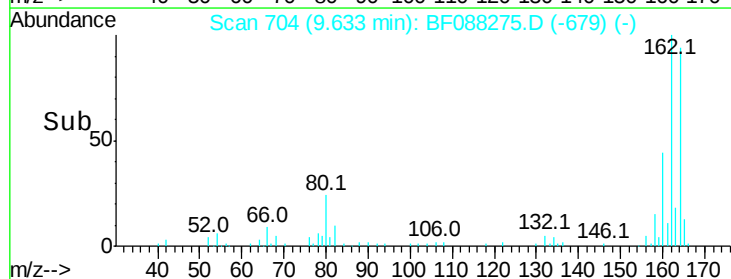
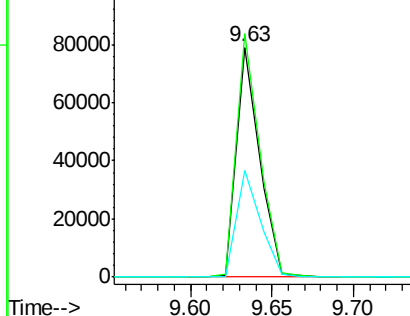


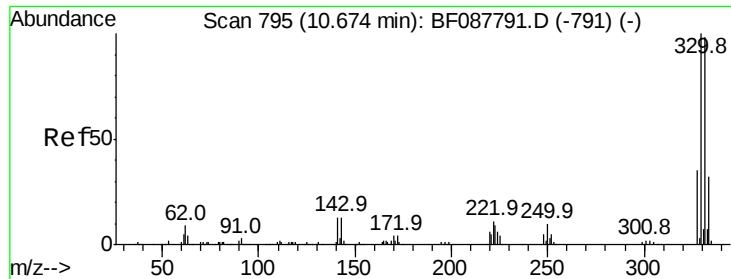
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF088275.D
Acq: 23 Jun 2016 5:04

Tgt Ion	164	Resp	76682
Ion Ratio	Lower	Upper	
164	100		
162	106.1	85.4	128.2
160	46.3	39.5	59.3



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

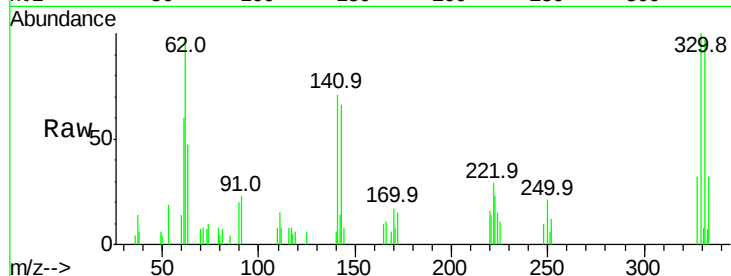




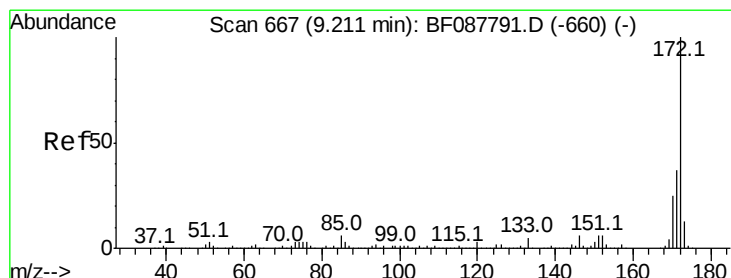
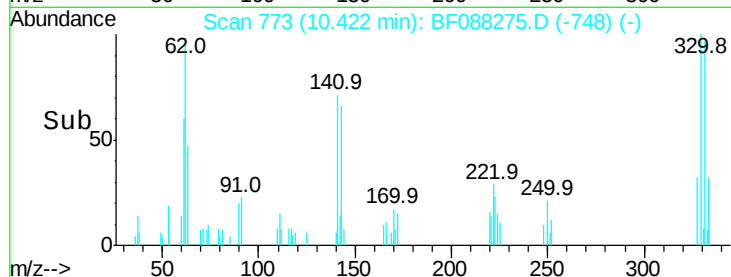
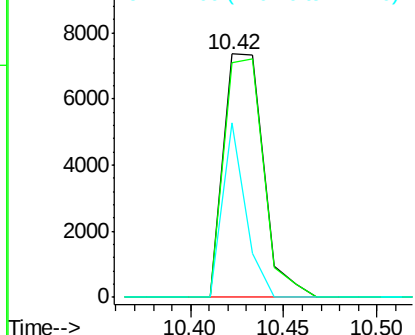
#41
 2,4,6-Tribromophenol
 Concen: 13.58 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF088275.D
 Acq: 23 Jun 2016 5:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	0.0	0.0#
141	41.0	0.0	0.0#

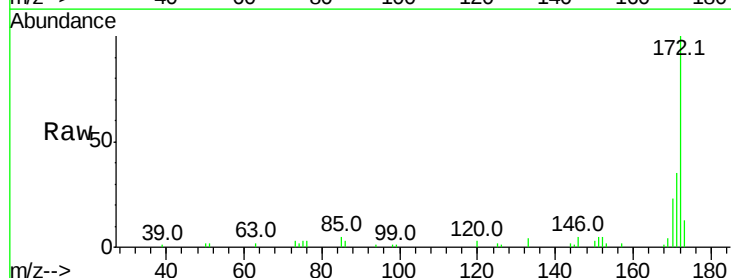


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

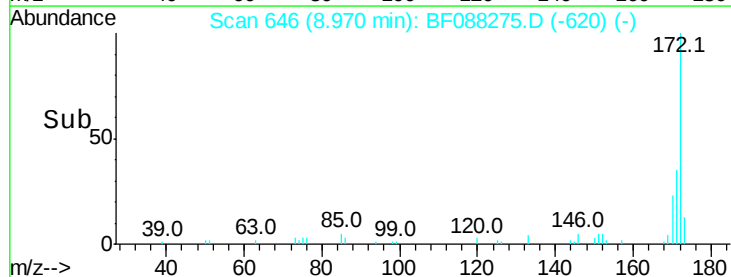
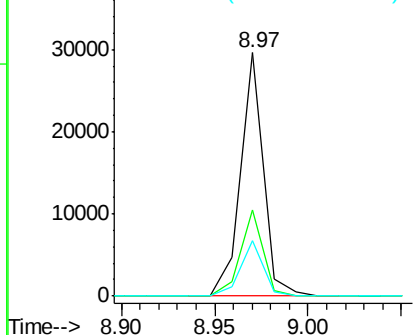


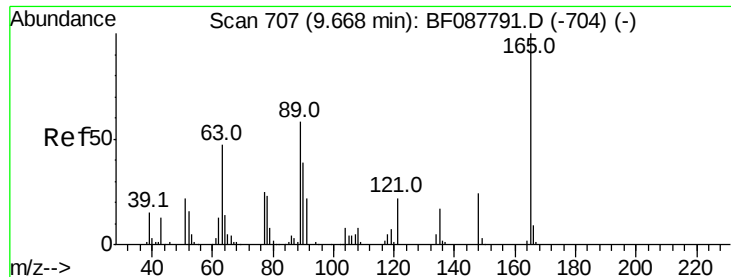
#44
 2-Fluorobiphenyl
 Concen: -0.37 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF088275.D
 Acq: 23 Jun 2016 5:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	22.9	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

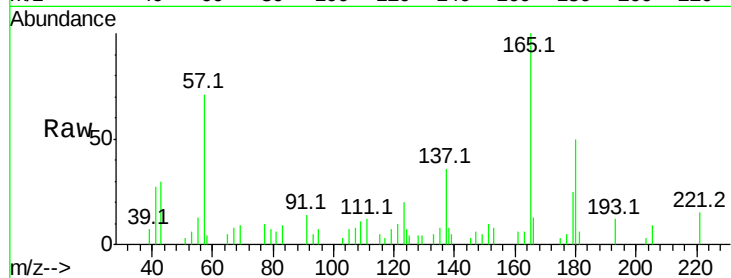




#50
 2,6-Dinitrotoluene
 Concen: 6.87 ng
 RT: 9.40 min Scan# 684
 Delta R.T. -0.05 min
 Lab File: BF088275.D
 Acq: 23 Jun 2016 5:04

Instrument :
 BNA_F
 ClientSampled :

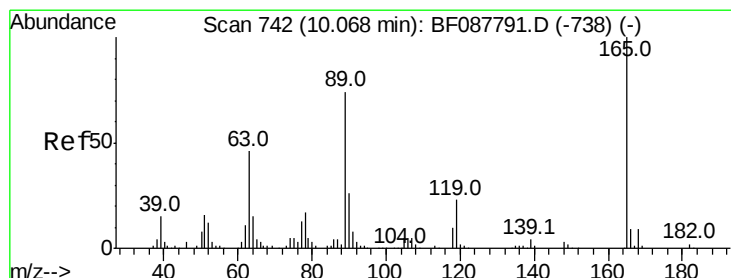
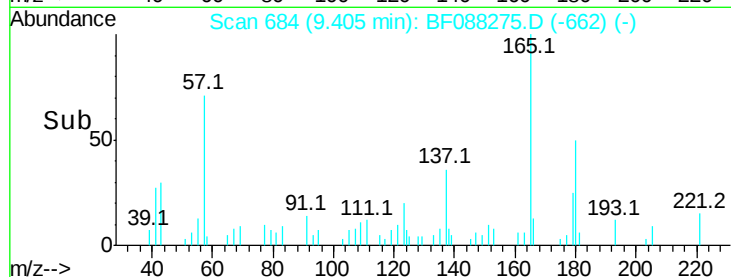
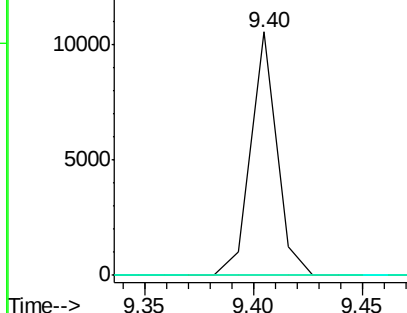
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



Abundance Ion 165.00 (164.70 to 165.70): E

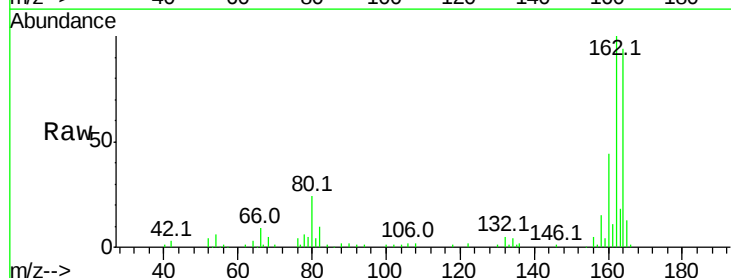
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.09 ng
 RT: 9.63 min Scan# 704
 Delta R.T. -0.22 min
 Lab File: BF088275.D
 Acq: 23 Jun 2016 5:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

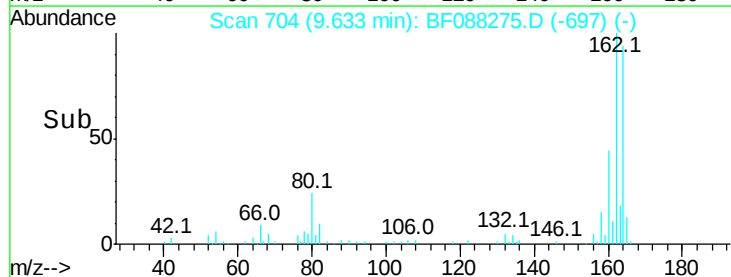
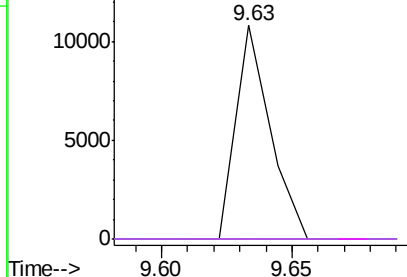


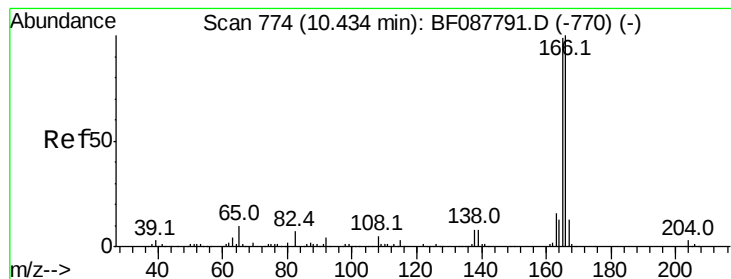
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.27 min Scan# 760

Delta R.T. 0.08 min

Lab File: BF088275.D

Acq: 23 Jun 2016 5:04

Instrument :

BNA_F

ClientSampleId :

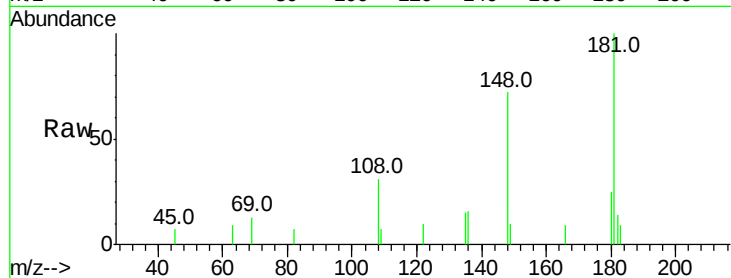
Tot Ion:166 Resp: 335

Ion Ratio Lower Upper

166 100

165 0.0 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

10.27

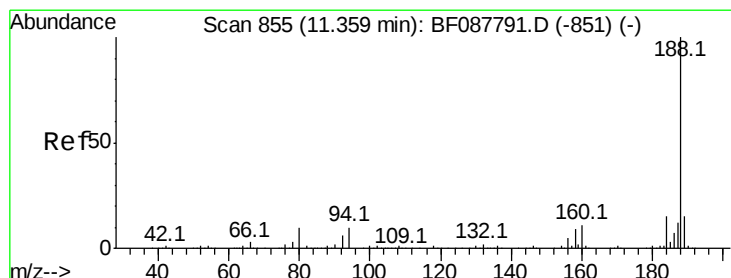
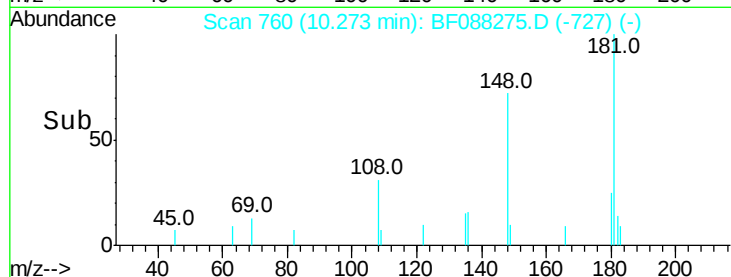
400

200

0

Time-->

10.25 10.30



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF088275.D

Acq: 23 Jun 2016 5:04

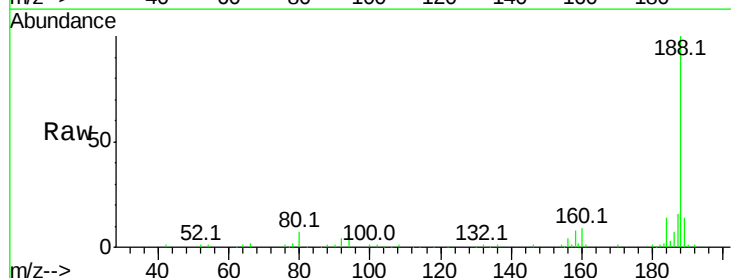
Tgt Ion:188 Resp: 166004

Ion Ratio Lower Upper

188 100

94 7.2 9.0 13.6#

80 7.2 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

11.12

200000

150000

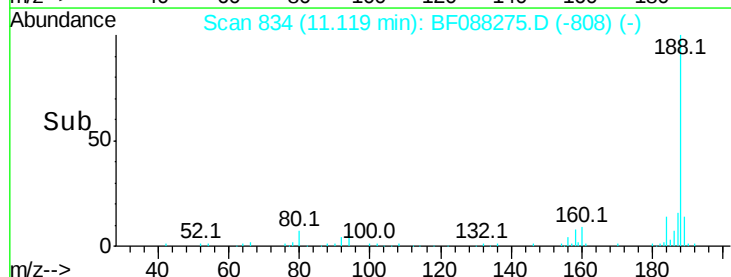
100000

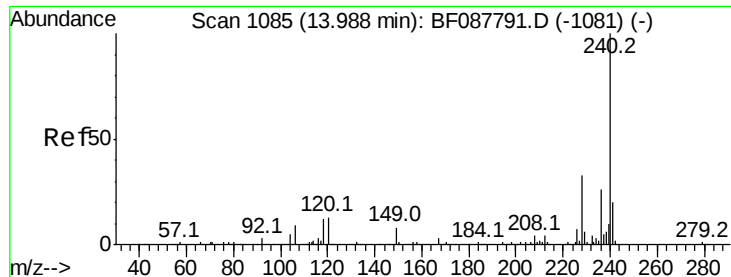
50000

0

Time-->

11.05 11.10 11.15





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF088275.D

Acq: 23 Jun 2016 5:04

Instrument :

BNA_F

ClientSampleId :

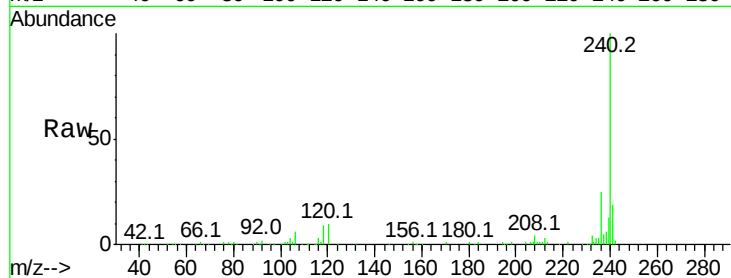
Tot Ion:240 Resp: 147474

Ion Ratio Lower Upper

240 100

120 9.6 6.8 10.2

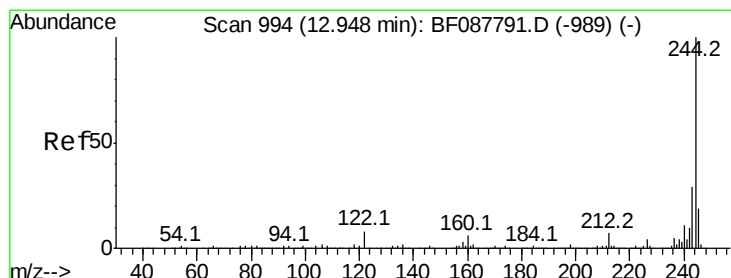
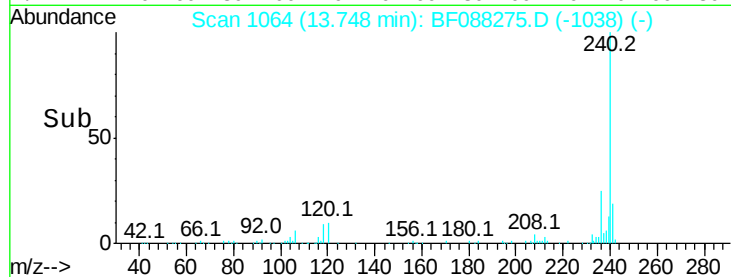
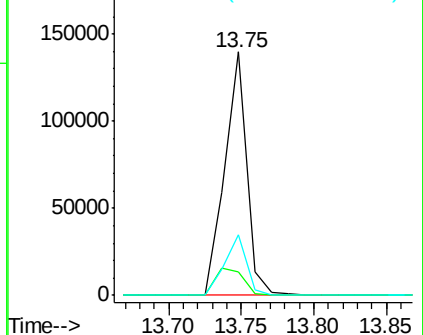
236 25.1 20.2 30.2



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



#78

Terphenyl-d14

Concen: 11.07 ng

RT: 12.70 min Scan# 972

Delta R.T. 0.00 min

Lab File: BF088275.D

Acq: 23 Jun 2016 5:04

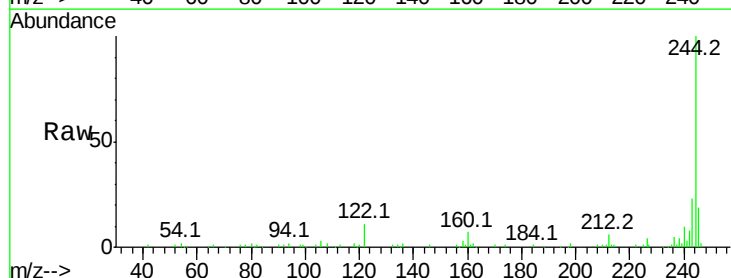
Tgt Ion:244 Resp: 71768

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

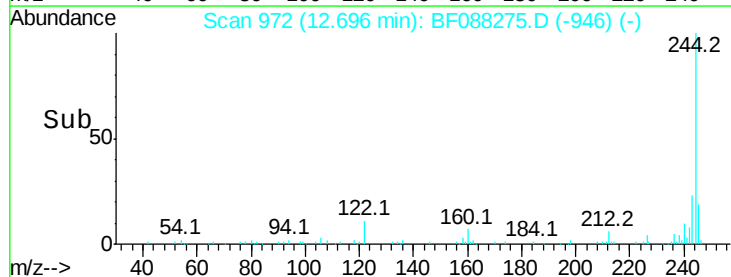
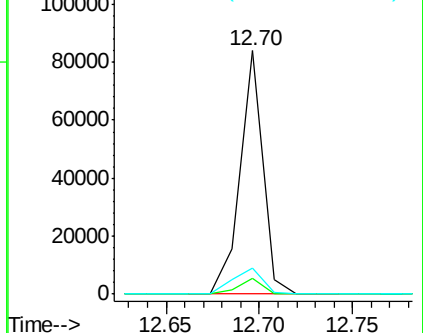
122 10.9 11.2 16.8#

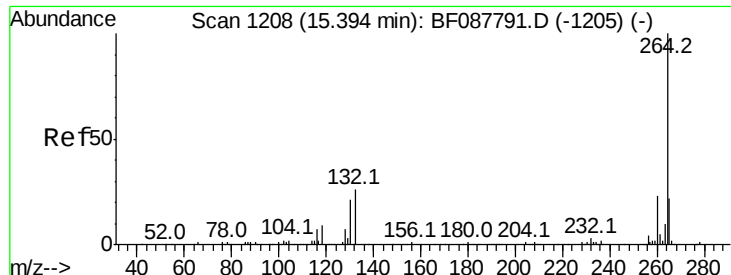


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

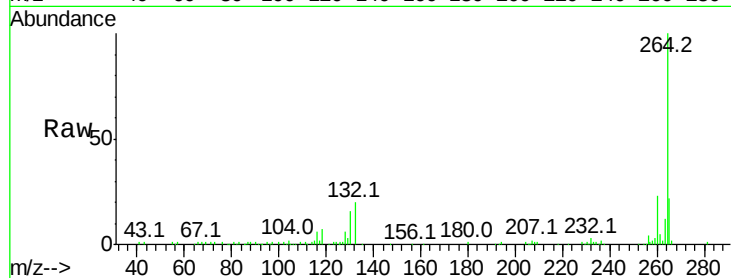




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF088275.D
Acq: 23 Jun 2016 5:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.6	16.9	25.3



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

