

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062216\
 Data File : BF088276.D
 Acq On : 23 Jun 2016 5:33
 Operator : UM/SJ
 Sample : H3065-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 23 07:11:29 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

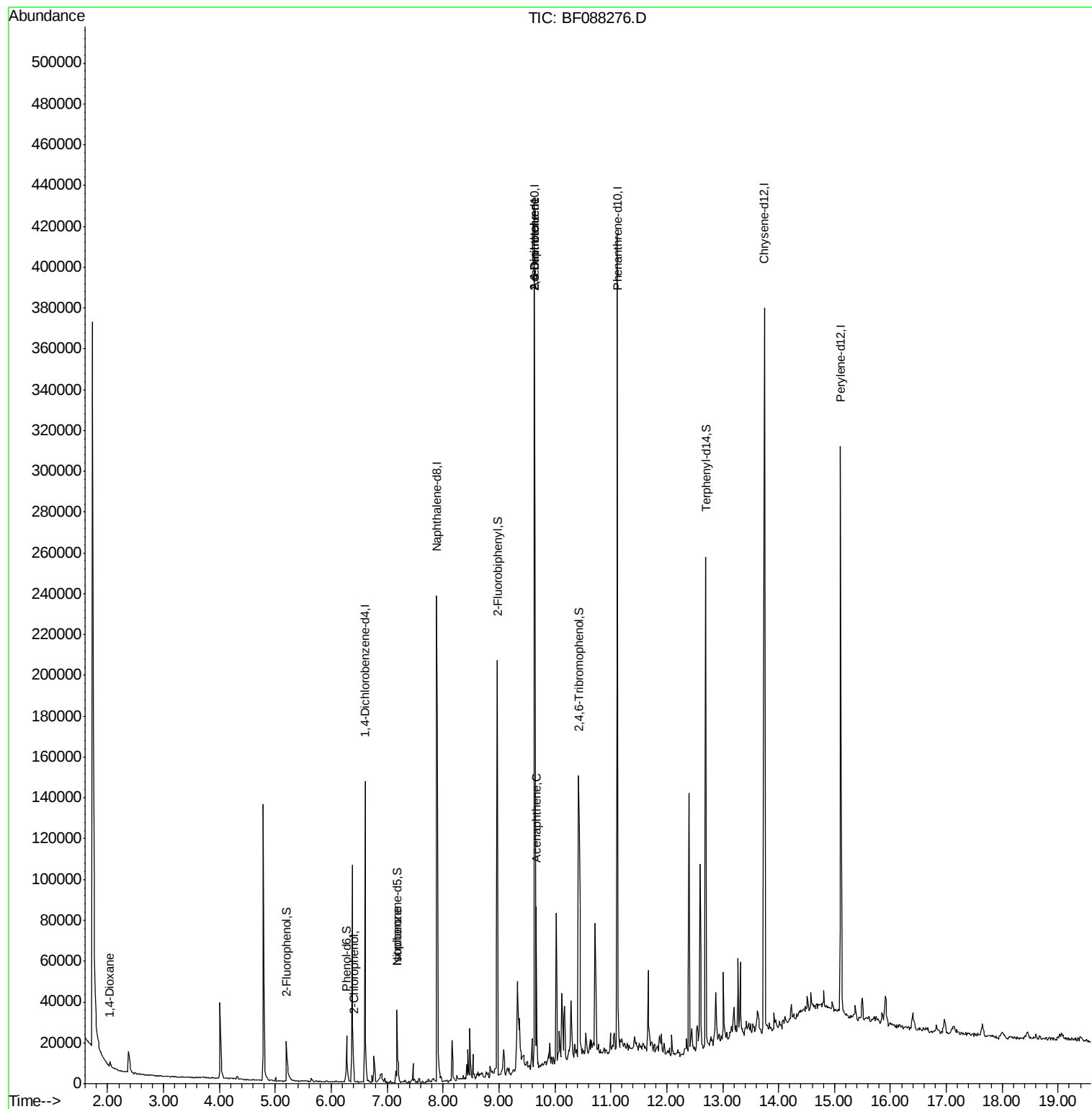
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	25018	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	152356	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	99391	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	165353	20.00	ng	0.00
75) Chrysene-d12	13.75	240	140360	20.00	ng	0.00
86) Perylene-d12	15.11	264	115181	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	14067	9.61	ng	0.02
7) Phenol-d6	6.27	99	14043	7.92	ng	0.01
23) Nitrobenzene-d5	7.18	82	13129	5.03	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	16491	15.71	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	66896	5.39	ng	0.00
78) Terphenyl-d14	12.70	244	69957	11.34	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.04	88	3058	4.30	ng	# 88
8) 2-Chlorophenol	6.40	128	4671	2.70	ng	91
10) Phenol	6.30	94	547	Below Cal	#	44
25) Isophorone	7.18	82	13129	2.72	ng	# 65
50) 2,6-Dinitrotoluene	9.63	165	12501	7.58	ng	# 37
51) Acenaphthene	9.67	154	16162	2.53	ng	97
56) 2,4-Dinitrotoluene	9.63	165	12501	5.90	ng	# 36
57) Fluorene	10.18	166	909	Below Cal	#	89

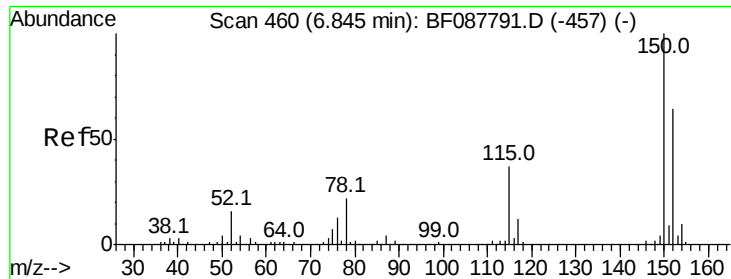
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF088276.D

Acq: 23 Jun 2016 5:33

Instrument :

BNA_F

ClientSampled :

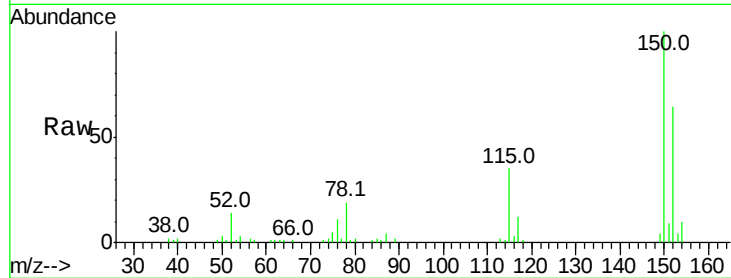
Tot Ion:152 Resp: 25018

Ion Ratio Lower Upper

152 100

150 155.5 123.8 185.6

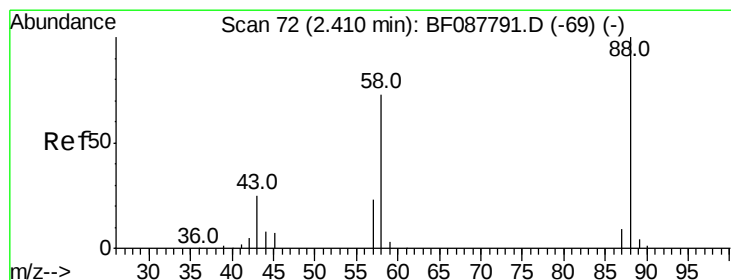
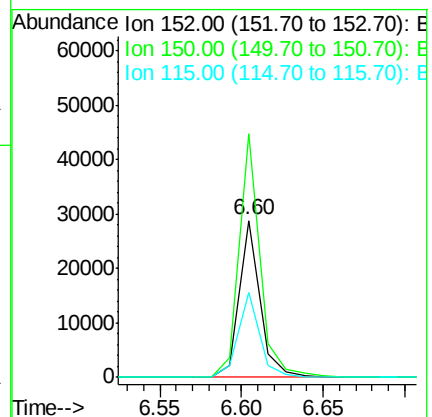
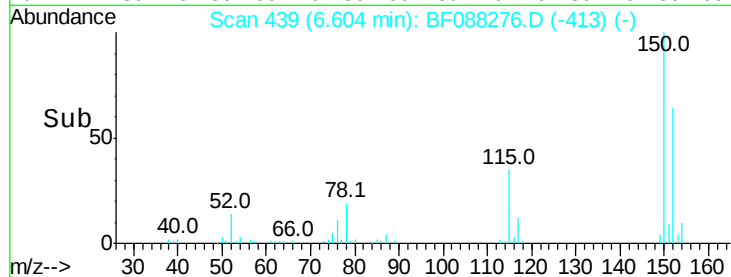
115 54.2 39.6 59.4



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



#2

1,4-Dioxane

Concen: 4.30 ng

RT: 2.04 min Scan# 40

Delta R.T. 0.02 min

Lab File: BF088276.D

Acq: 23 Jun 2016 5:33

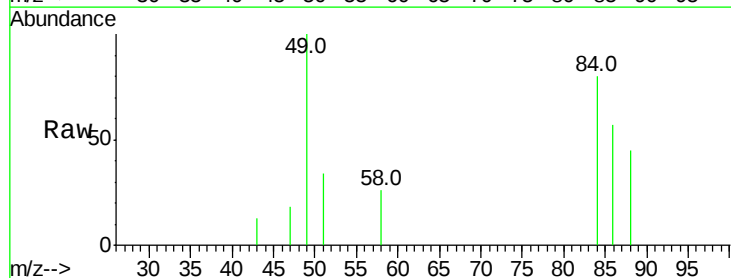
Tgt Ion: 88 Resp: 3058

Ion Ratio Lower Upper

88 100

58 34.0 0.0 0.0#

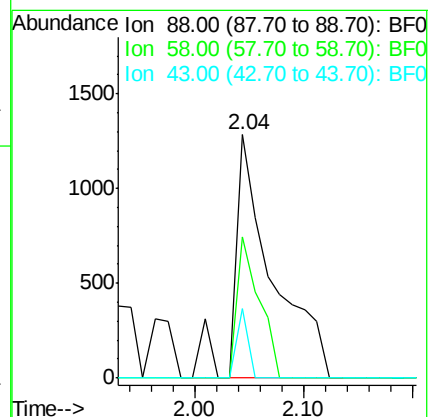
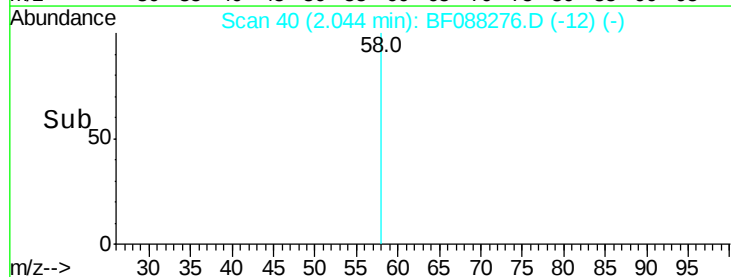
43 8.2 3.4 5.2#

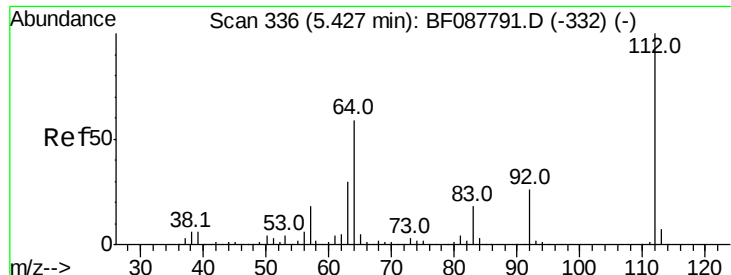


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 9.61 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.02 min

Lab File: BF088276.D

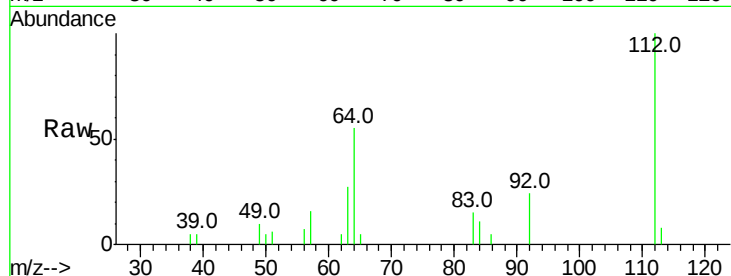
Acq: 23 Jun 2016 5:33

Instrument :

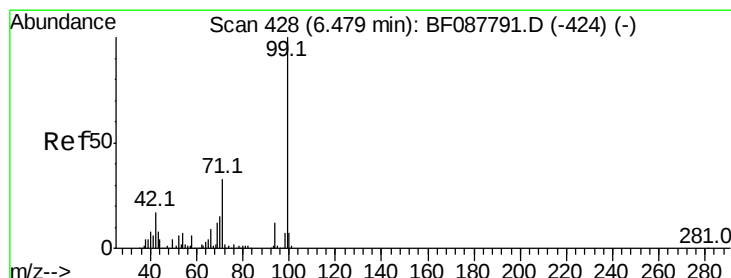
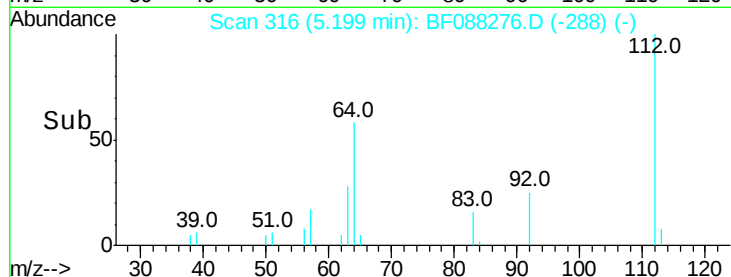
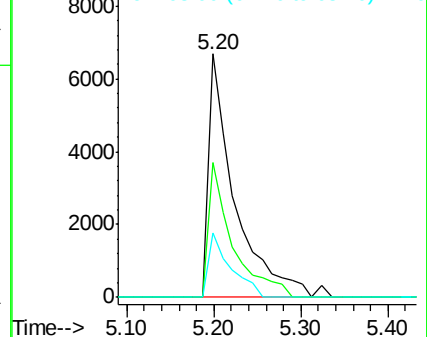
BNA_F

ClientSampled :

Tot Ion:	112	Resp:	14067
Ion Ratio	Lower	Upper	
112	100		
64	55.3	42.2	63.2
63	26.5	21.8	32.8



Abundance Ion 112.00 (111.70 to 112.70): E



#7

Phenol-d6

Concen: 7.92 ng

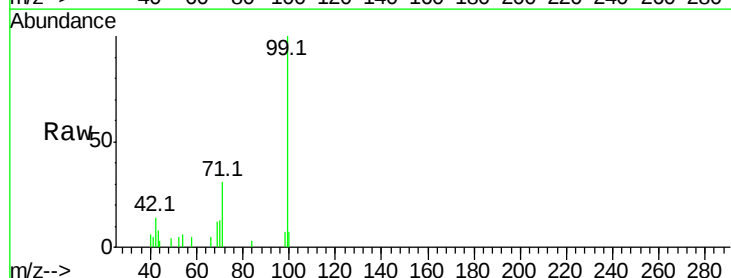
RT: 6.27 min Scan# 410

Delta R.T. 0.01 min

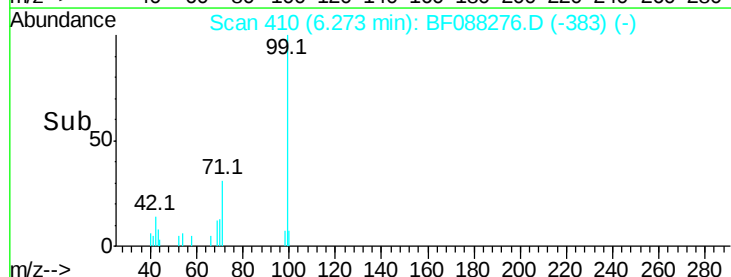
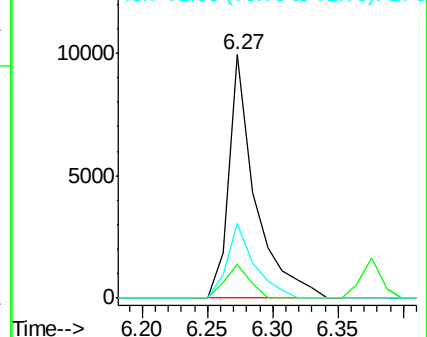
Lab File: BF088276.D

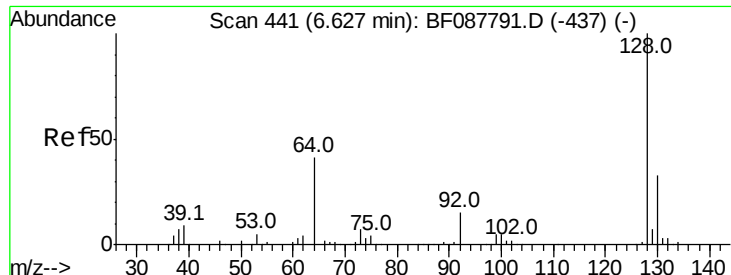
Acq: 23 Jun 2016 5:33

Tgt Ion:	99	Resp:	14043
Ion Ratio	Lower	Upper	
99	100		
42	13.6	12.2	18.2
71	30.5	23.4	35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

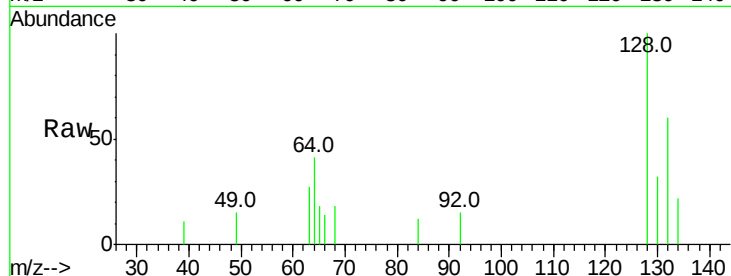




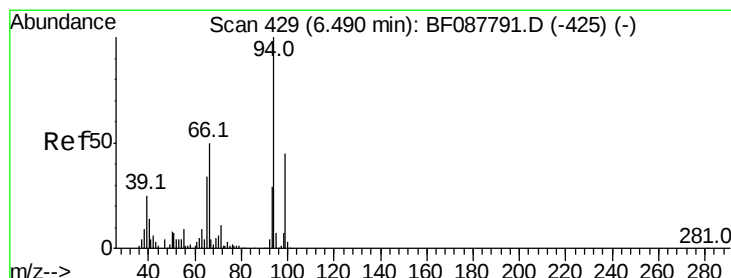
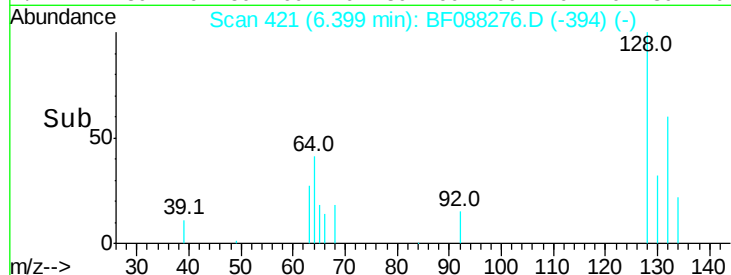
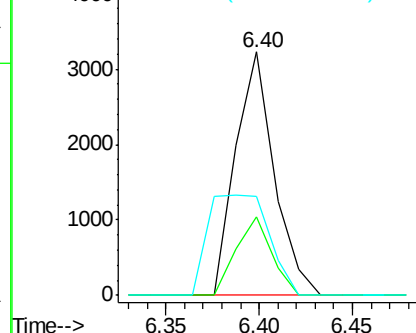
#8
2-Chlorophenol
Concen: 2.70 ng
RT: 6.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: BF088276.D
Acq: 23 Jun 2016 5:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 4671
Ion Ratio Lower Upper
128 100
130 32.5 12.0 52.0
64 40.6 30.8 70.8

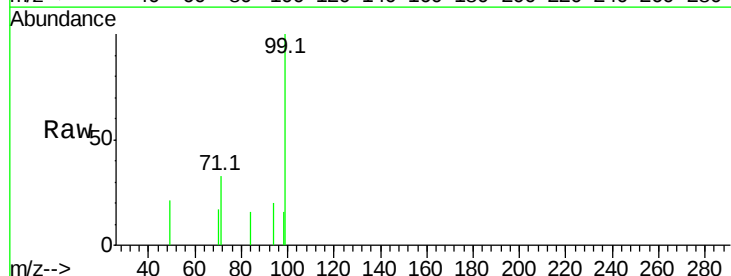


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0

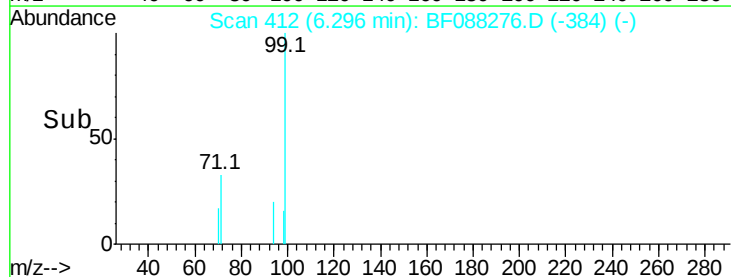
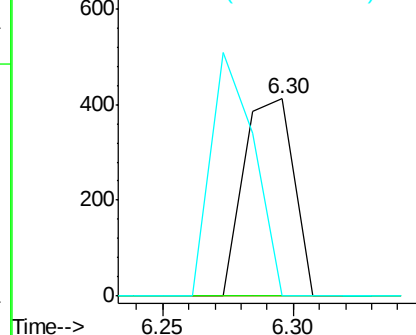


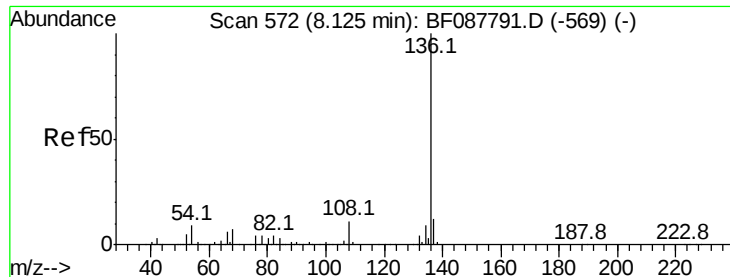
#10
Phenol
Concen: Below Cal
RT: 6.30 min Scan# 412
Delta R.T. 0.02 min
Lab File: BF088276.D
Acq: 23 Jun 2016 5:33

Tgt Ion: 94 Resp: 547
Ion Ratio Lower Upper
94 100
65 0.0 5.9 45.9#
66 0.0 14.0 54.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF088276.D

Acq: 23 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 152356

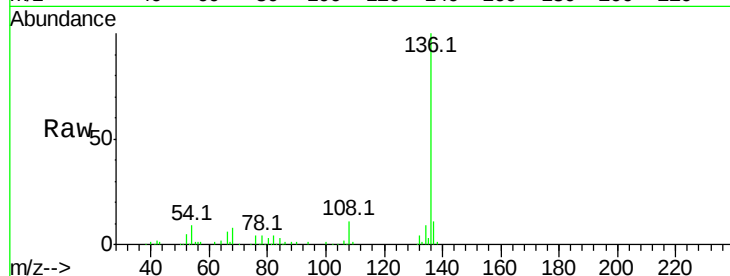
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 9.5 6.6 10.0

68 7.6 5.1 7.7

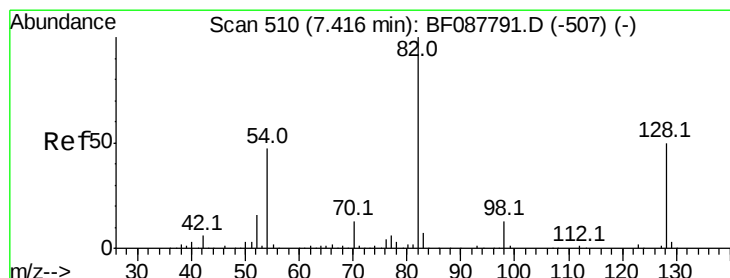
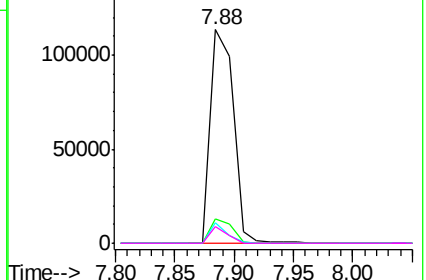
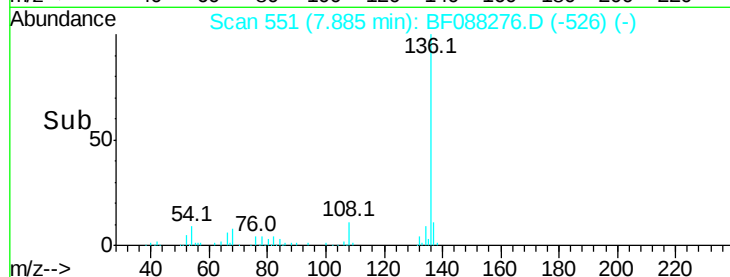


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.03 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF088276.D

Acq: 23 Jun 2016 5:33

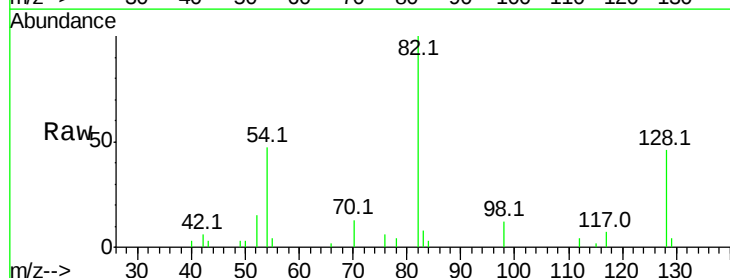
Tgt Ion: 82 Resp: 13129

Ion Ratio Lower Upper

82 100

128 46.0 35.9 53.9

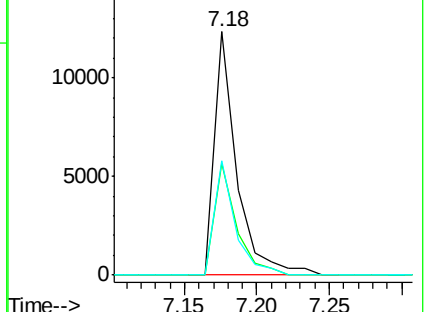
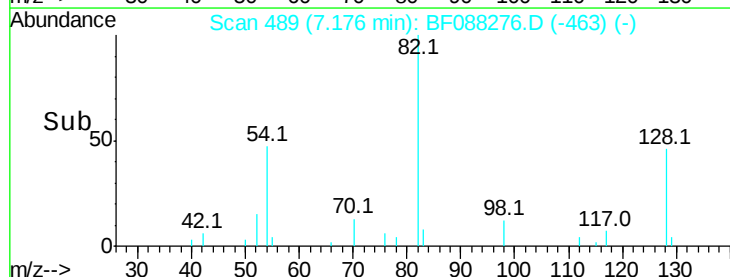
54 46.9 40.9 61.3

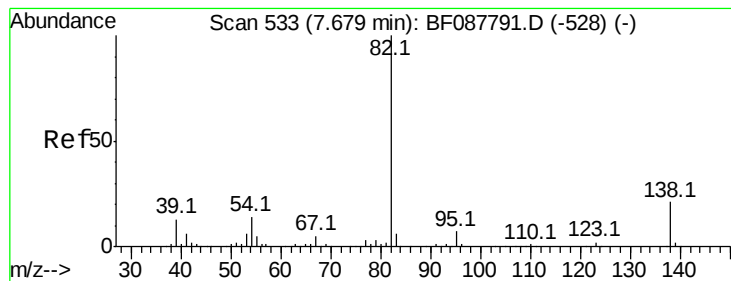


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 2.72 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.26 min

Lab File: BF088276.D

Acq: 23 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

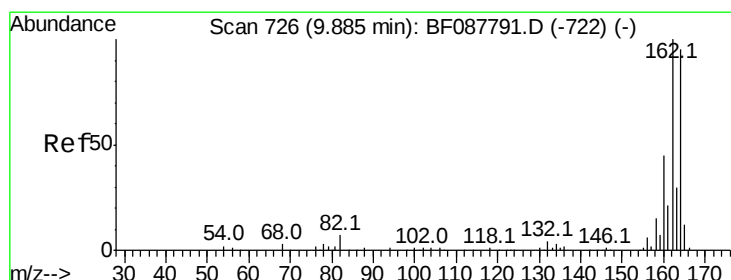
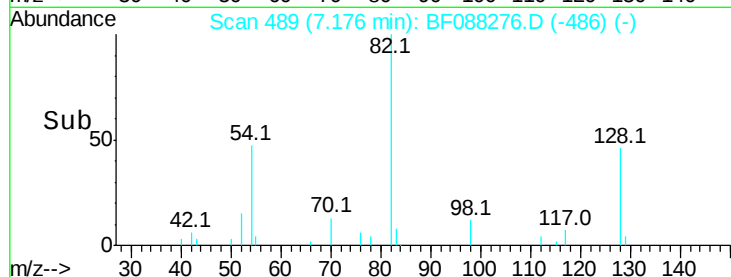
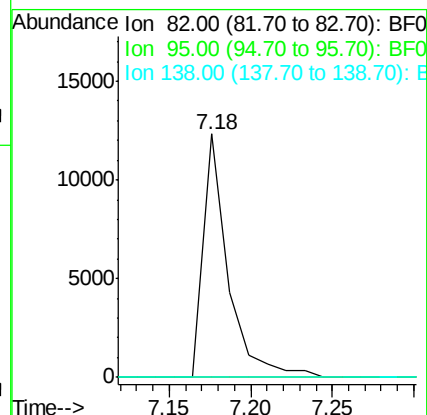
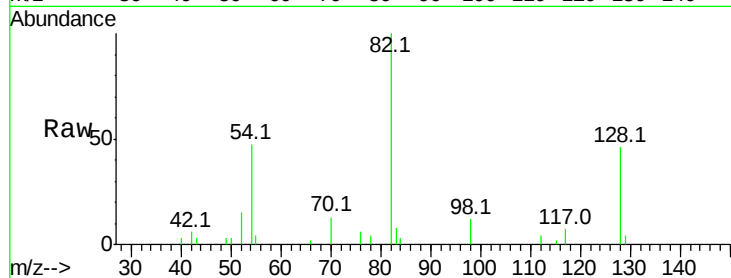
Tot Ion: 82 Resp: 13129

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: 9.63 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF088276.D

Acq: 23 Jun 2016 5:33

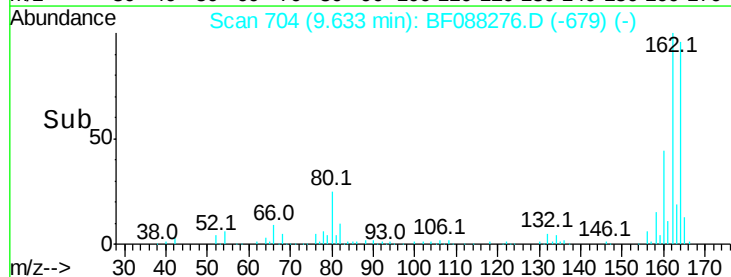
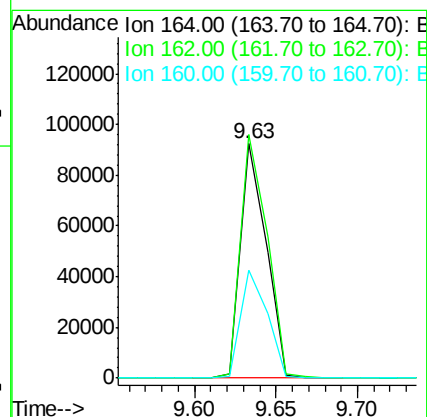
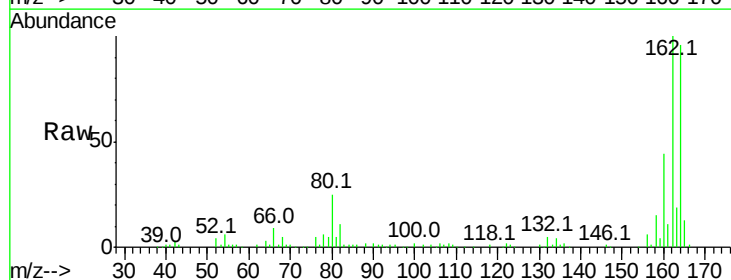
Tgt Ion:164 Resp: 99391

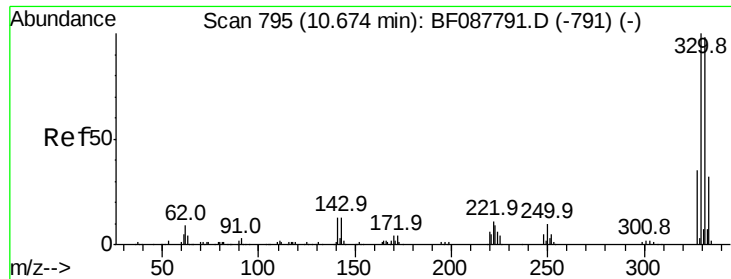
Ion Ratio Lower Upper

164 100

162 104.0 85.4 128.2

160 45.9 39.5 59.3

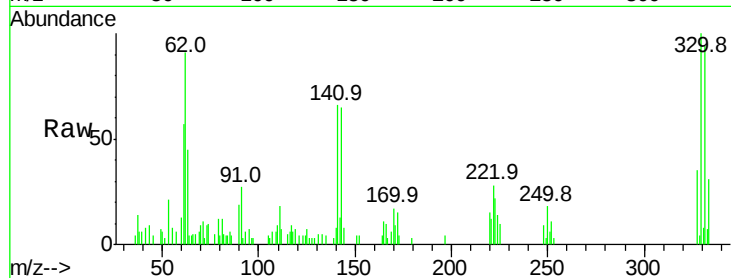




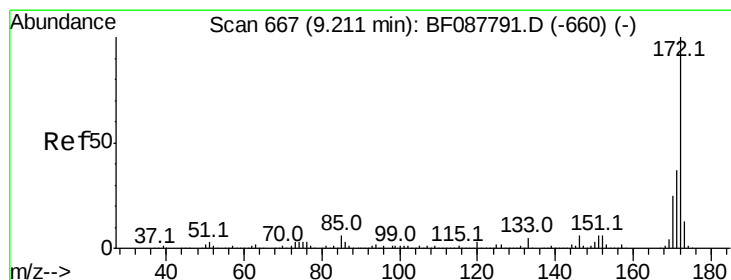
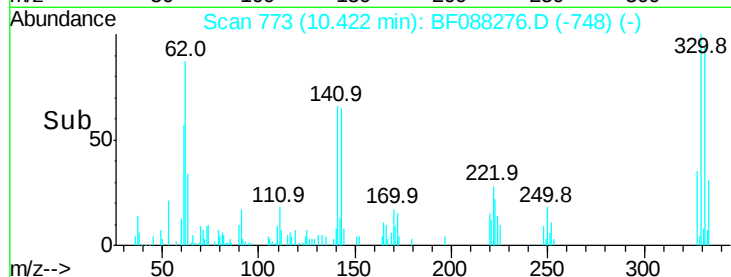
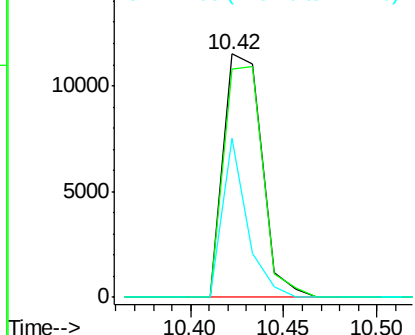
#41
 2,4,6-Tribromophenol
 Concen: 15.71 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF088276.D
 Acq: 23 Jun 2016 5:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 16491
 Ion Ratio Lower Upper
 330 100
 332 96.8 0.0 0.0#
 141 42.1 0.0 0.0#

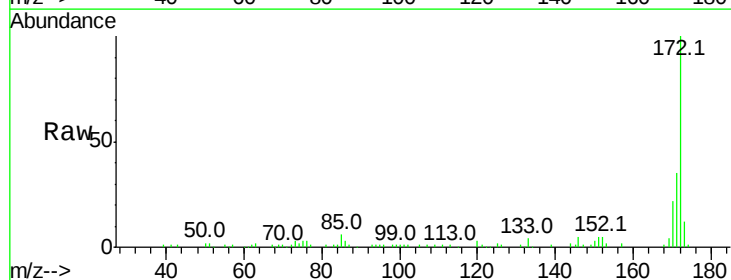


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

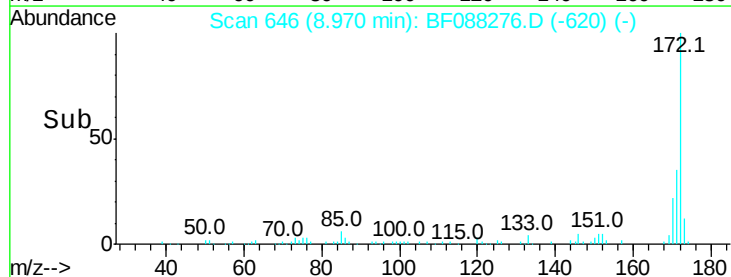
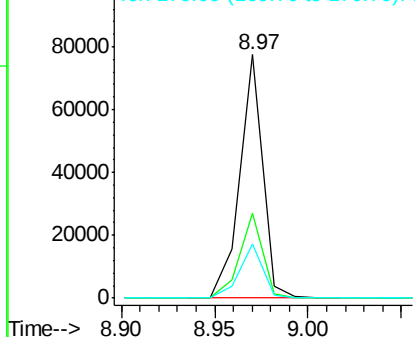


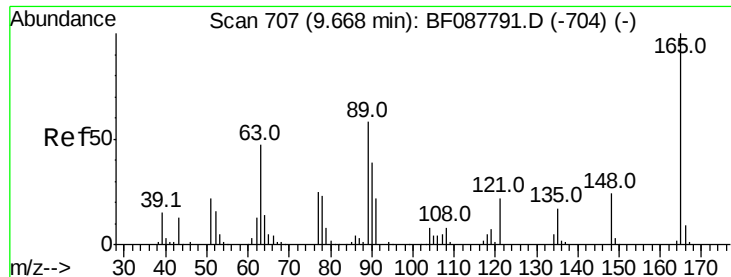
#44
 2-Fluorobiphenyl
 Concen: 5.39 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF088276.D
 Acq: 23 Jun 2016 5:33

Tgt Ion:172 Resp: 66896
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.6 43.0
 170 22.4 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

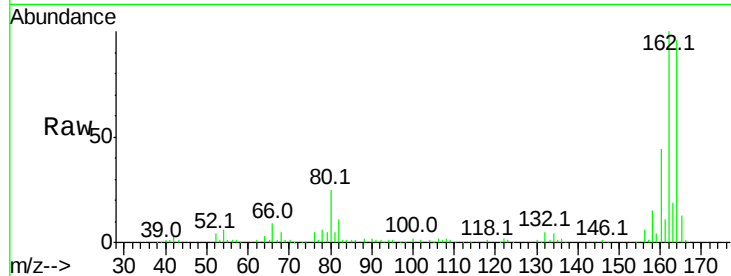




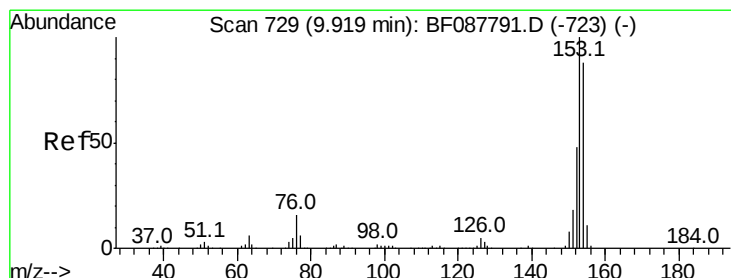
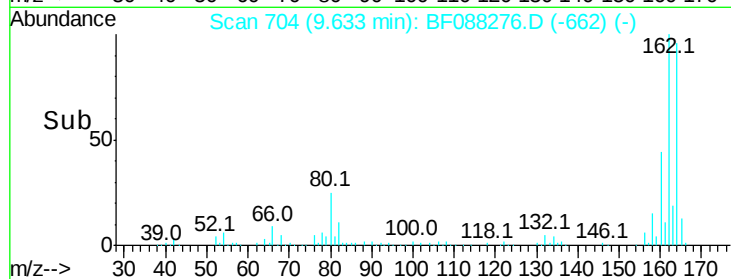
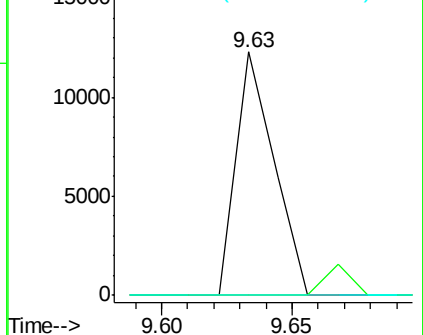
#50
 2,6-Dinitrotoluene
 Concen: 7.58 ng
 RT: 9.63 min Scan# 704
 Delta R.T. 0.18 min
 Lab File: BF088276.D
 Acq: 23 Jun 2016 5:33

Instrument :
 BNA_F
 ClientSampleId :

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

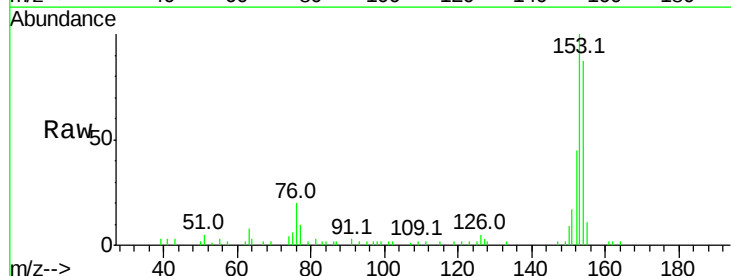


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

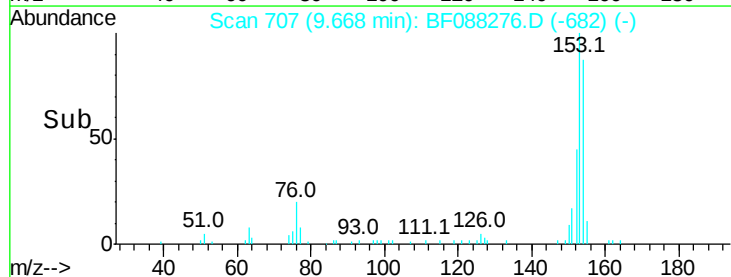
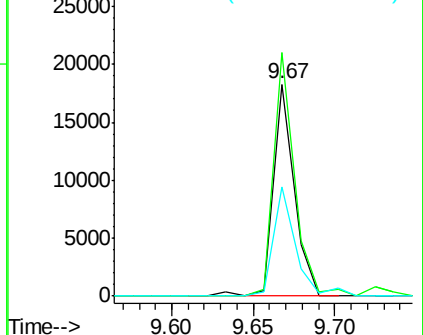


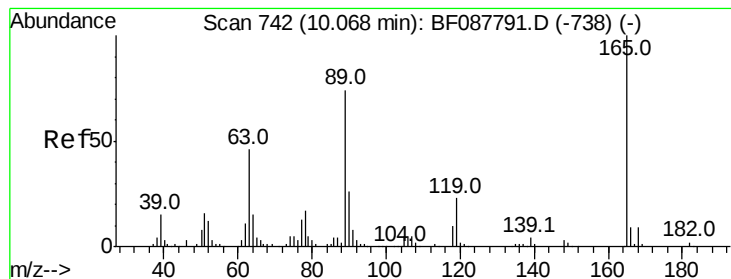
#51
 Acenaphthene
 Concen: 2.53 ng
 RT: 9.67 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: BF088276.D
 Acq: 23 Jun 2016 5:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.9	89.5	134.3
152	51.7	42.7	64.1



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#56

2,4-Dinitrotoluene

Concen: 5.90 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.22 min

Lab File: BF088276.D

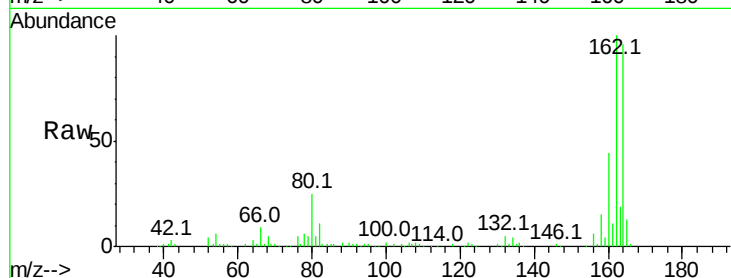
Acq: 23 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	12501
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#

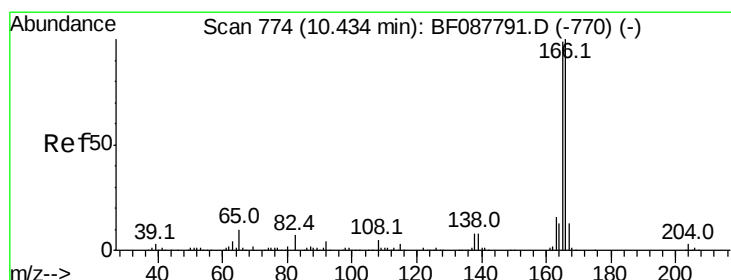
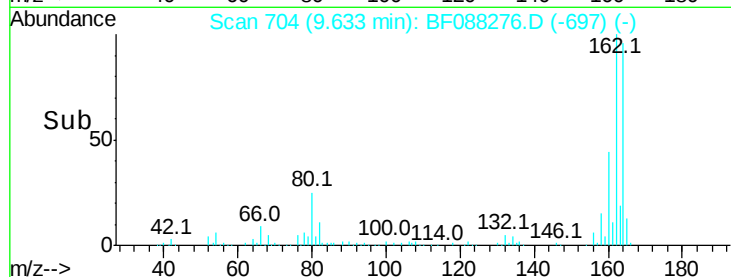
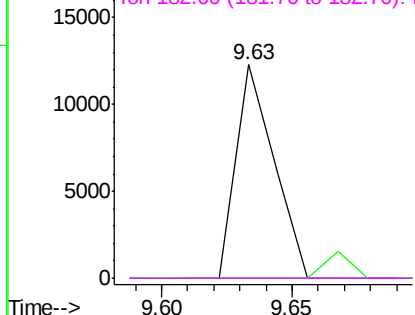


Abundance Ion 165.00 (164.70 to 165.70): E

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

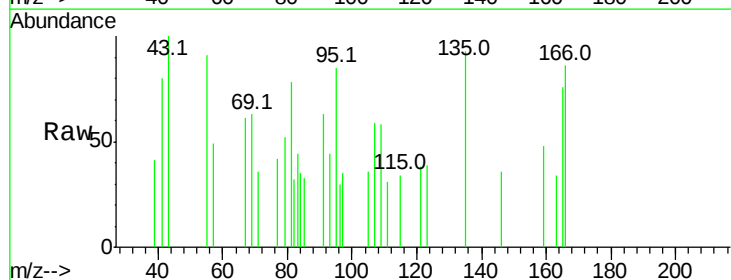
RT: 10.18 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF088276.D

Acq: 23 Jun 2016 5:33

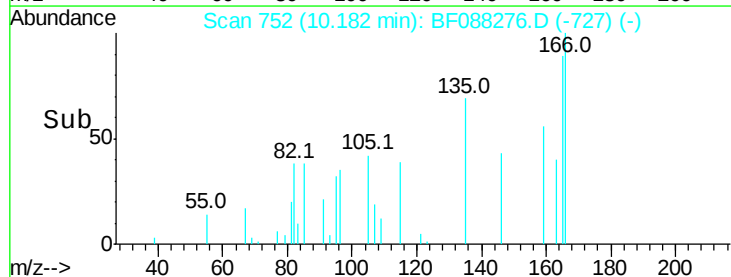
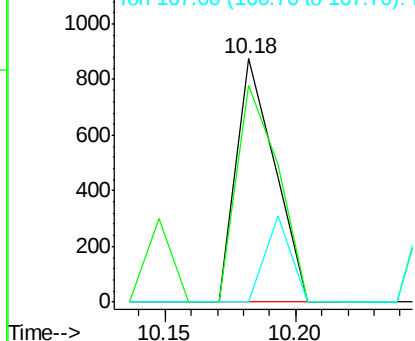
Tgt Ion:166	Resp:	909
Ion Ratio	Lower	Upper
166	100	
165	89.3	77.8 116.8
167	0.0	11.2 16.8#

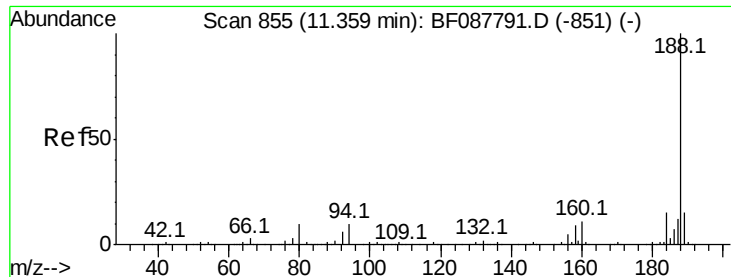


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

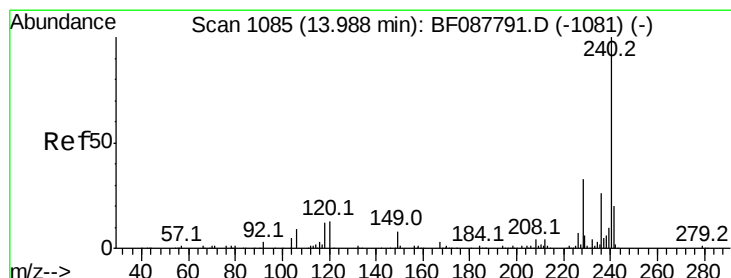
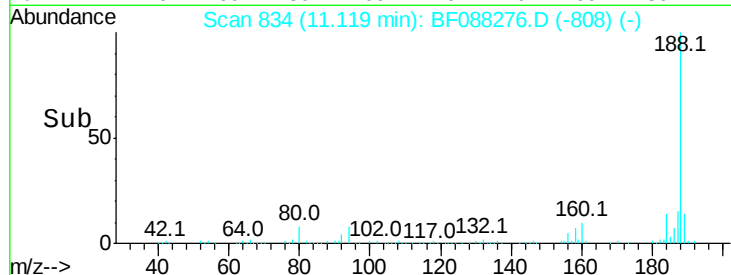
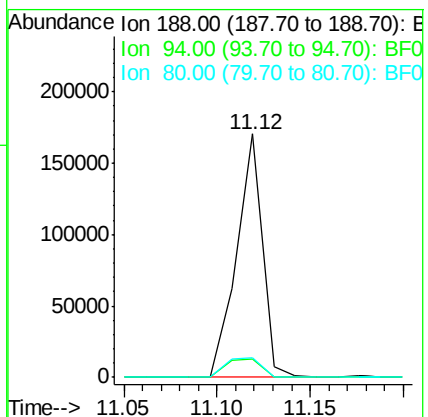
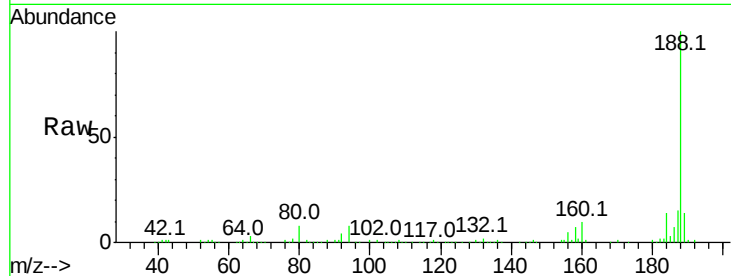




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF088276.D
Acq: 23 Jun 2016 5:33

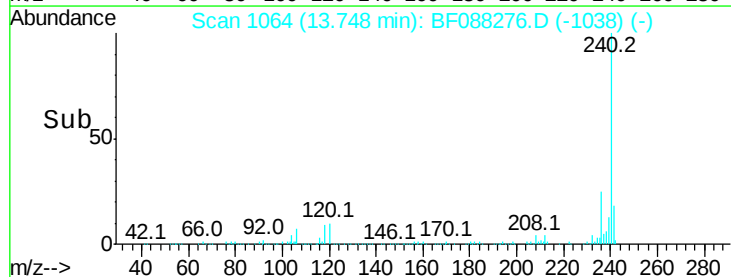
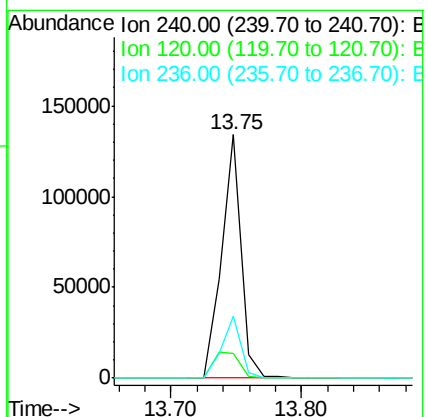
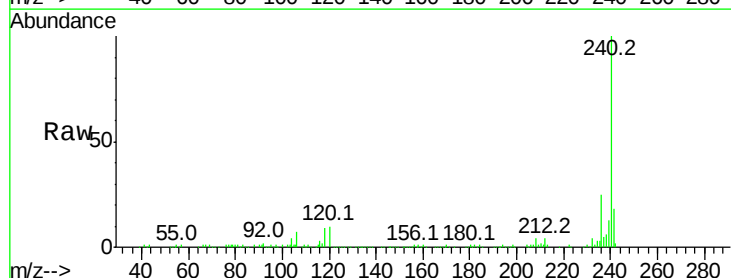
Instrument :
BNA_F
ClientSampleId :

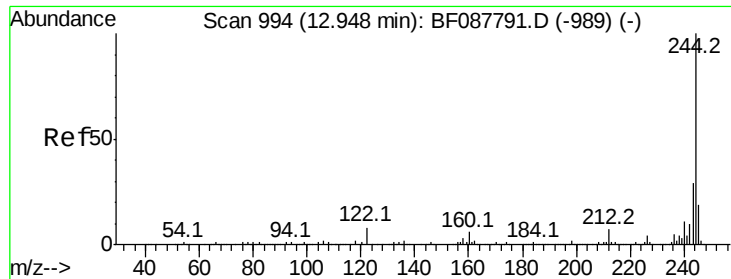
Tot Ion:188 Resp: 165353
Ion Ratio Lower Upper
188 100
94 7.6 9.0 13.6#
80 8.0 10.0 15.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF088276.D
Acq: 23 Jun 2016 5:33

Tgt Ion:240 Resp: 140360
Ion Ratio Lower Upper
240 100
120 10.2 6.8 10.2#
236 25.2 20.2 30.2

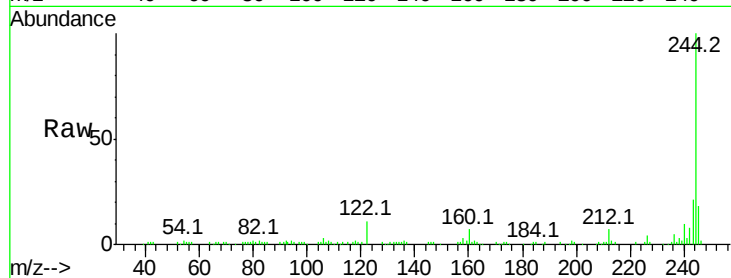




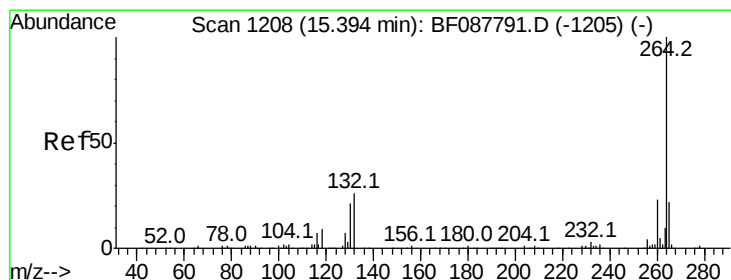
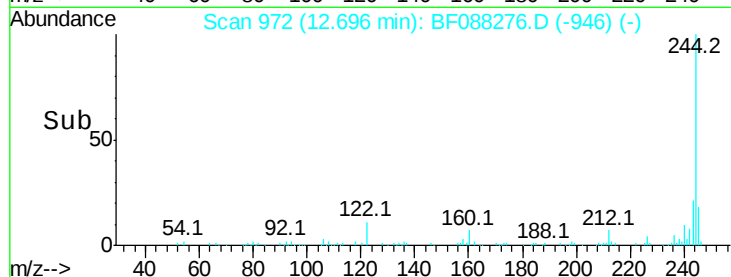
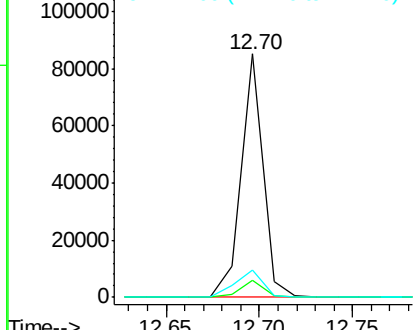
#78
 Terphenyl-d14
 Concen: 11.34 ng
 RT: 12.70 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: BF088276.D
 Acq: 23 Jun 2016 5:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 69957
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 11.1 11.2 16.8#

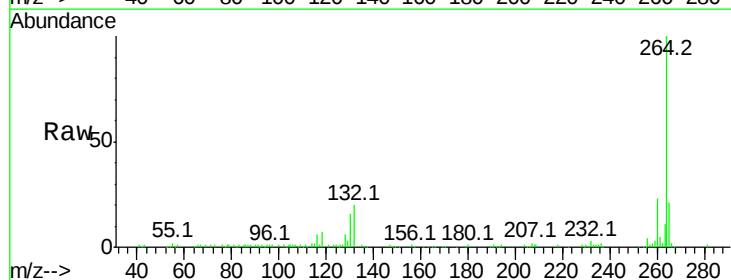


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF088276.D
 Acq: 23 Jun 2016 5:33

Tgt Ion:264 Resp: 115181
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.2 28.8
 265 20.9 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

