

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071816\
 Data File : BF089092.D
 Acq On : 18 Jul 2016 20:11
 Operator : UM/SJ
 Sample : H4044-25 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H10-B5(0-5)C

Quant Time: Jul 19 03:16:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

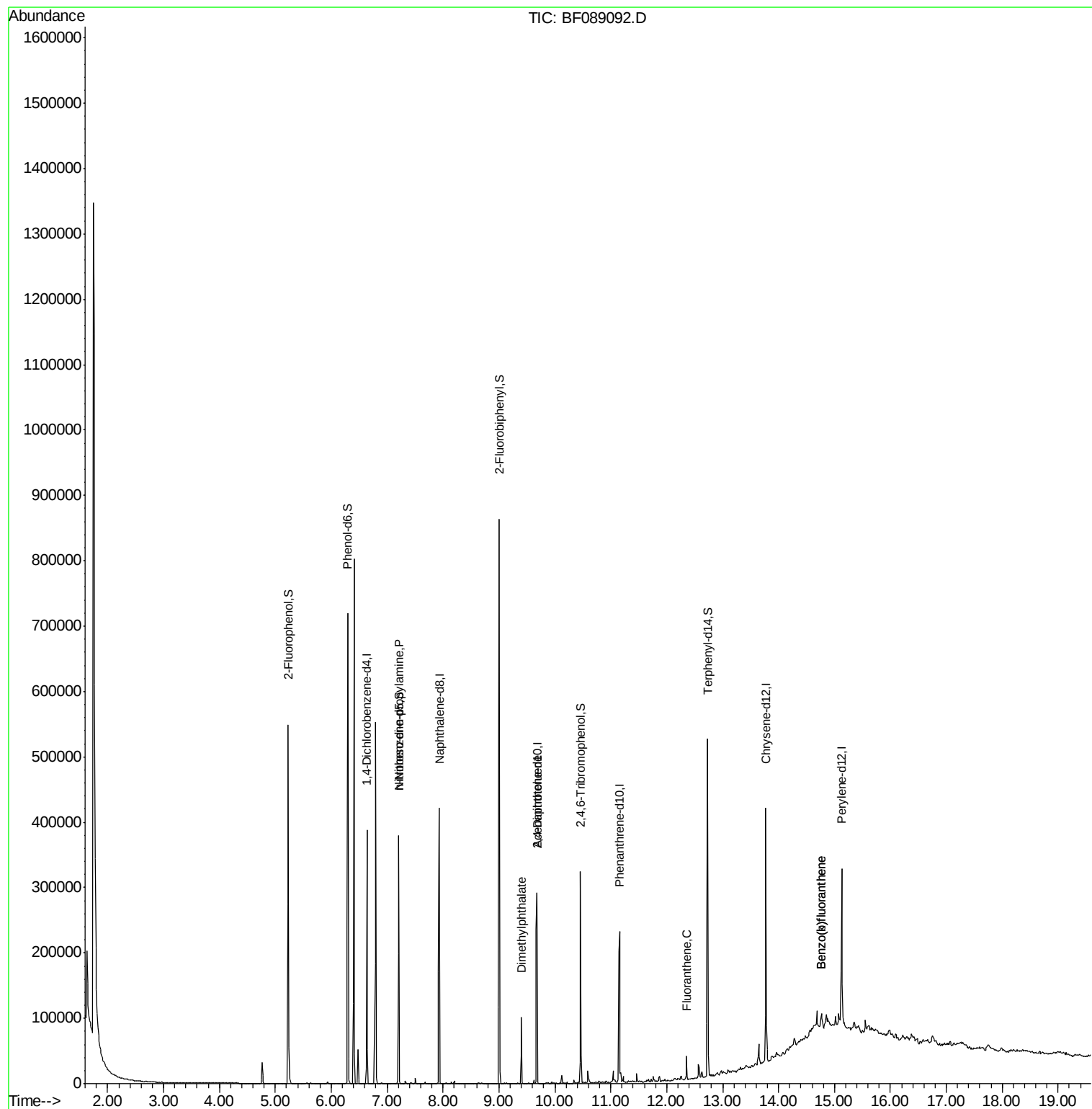
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	50894	20.00	ng	-0.07
21) Naphthalene-d8	7.93	136	206948	20.00	ng	-0.07
38) Acenaphthene-d10	9.68	164	76771	20.00	ng	-0.07
63) Phenanthrene-d10	11.15	188	118694	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	106874	20.00	ng	-0.08
86) Perylene-d12	15.13	264	86739	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	176248	51.90	ng	-0.06
7) Phenol-d6	6.30	99	247208	56.34	ng	-0.06
23) Nitrobenzene-d5	7.21	82	144384	36.56	ng	-0.07
41) 2,4,6-Tribromophenol	10.46	330	26595	37.31	ng	-0.08
44) 2-Fluorobiphenyl	9.00	172	233512	48.05	ng	-0.07
78) Terphenyl-d14	12.73	244	136084	28.36	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.21	70	18571	6.30	ng	# 70
49) Dimethylphthalate	9.40	163	46820	8.56	ng	98
56) 2,4-Dinitrotoluene	9.68	165	9592	6.05	ng	# 36
74) Fluoranthene	12.35	202	13693	2.08	ng	97
87) Benzo(b)fluoranthene	14.77	252	12072	2.22	ng	# 81
88) Benzo(k)fluoranthene	14.77	252	12072	2.55	ng	# 86

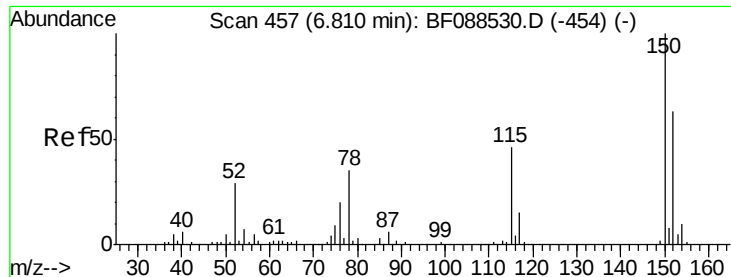
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.07 min

Lab File: BF089092.D

Acq: 18 Jul 2016 20:11

Instrument :

BNA_F

ClientSampleId :

H10-B5(0-5)C

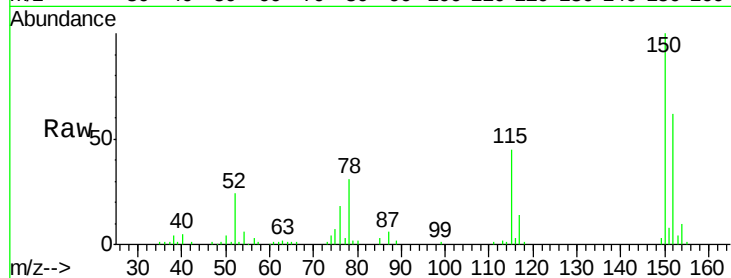
Tgt Ion:152 Resp: 50894

Ion Ratio Lower Upper

152 100

150 160.7 123.8 185.6

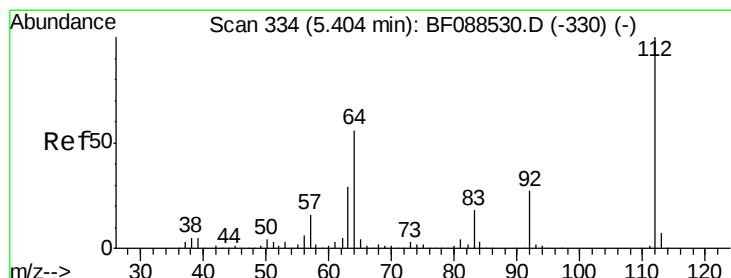
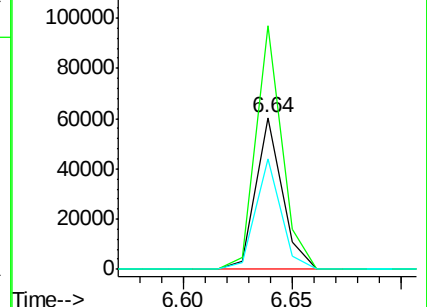
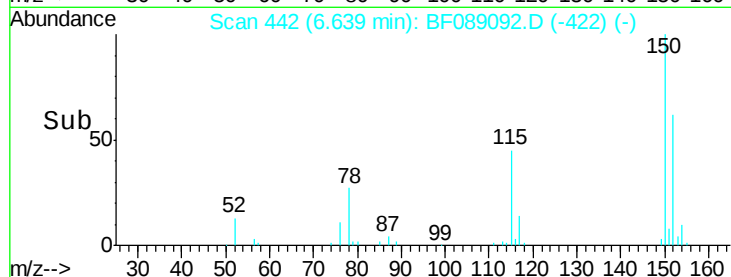
115 72.5 39.6 59.4#



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: 51.90 ng

RT: 5.23 min Scan# 319

Delta R.T. -0.06 min

Lab File: BF089092.D

Acq: 18 Jul 2016 20:11

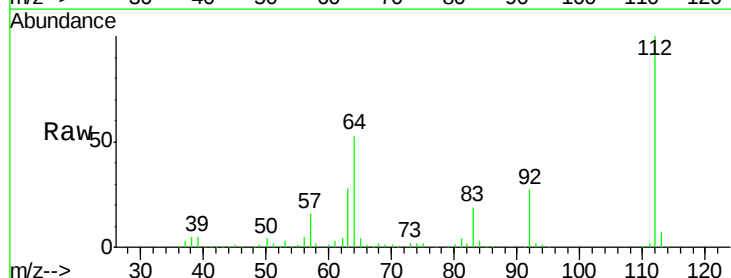
Tgt Ion:112 Resp: 176248

Ion Ratio Lower Upper

112 100

64 52.8 42.2 63.2

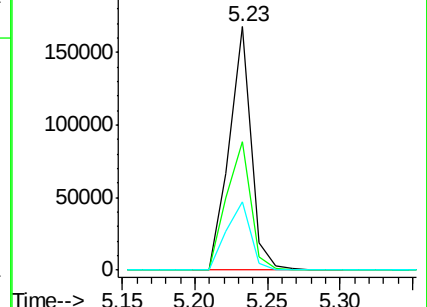
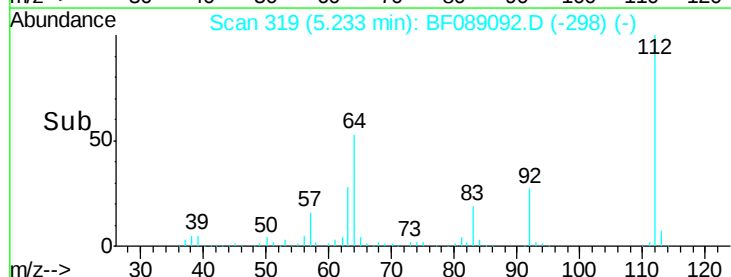
63 28.2 21.8 32.8



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: 56.34 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.06 min

Lab File: BF089092.D

Acq: 18 Jul 2016 20:11

Instrument :

BNA_F

ClientSampleId :

H10-B5(0-5)C

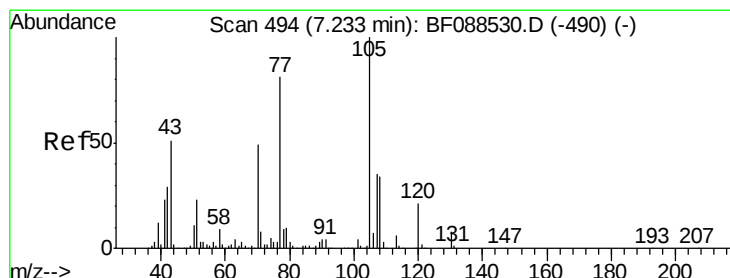
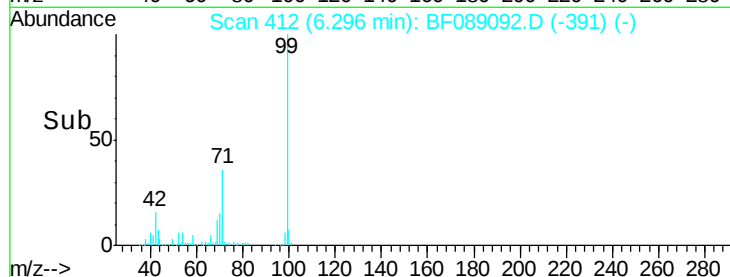
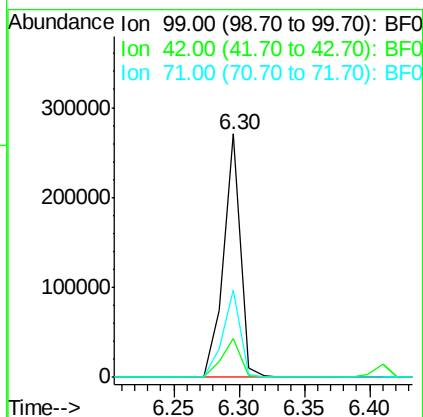
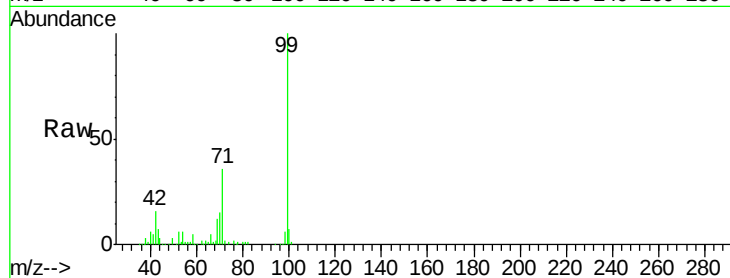
Tgt Ion: 99 Resp: 247208

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

71 35.8 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 6.30 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.07 min

Lab File: BF089092.D

Acq: 18 Jul 2016 20:11

Tgt Ion: 70 Resp: 18571

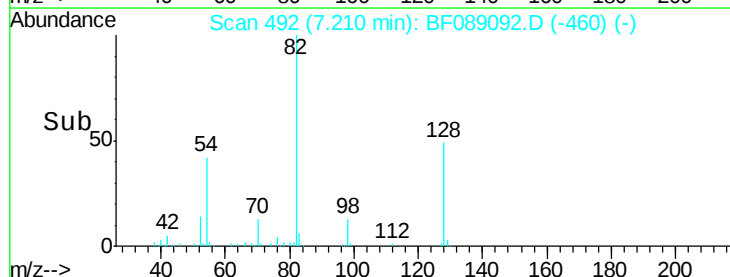
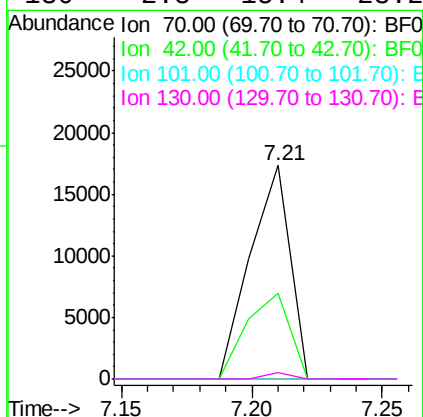
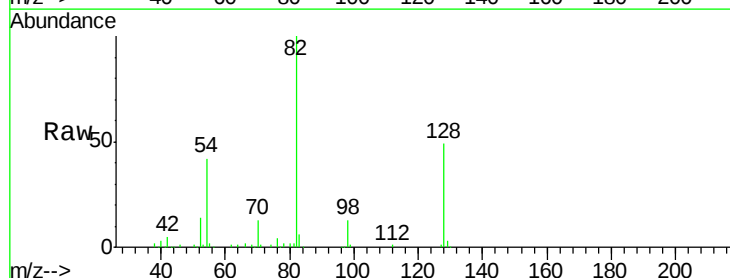
Ion Ratio Lower Upper

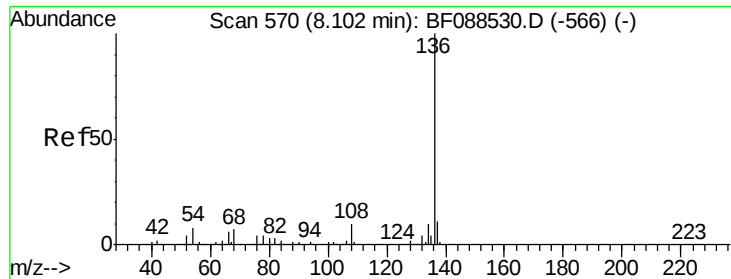
70 100

42 40.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.8 15.4 23.2#

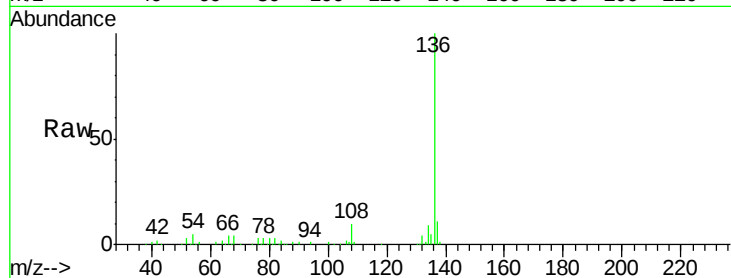




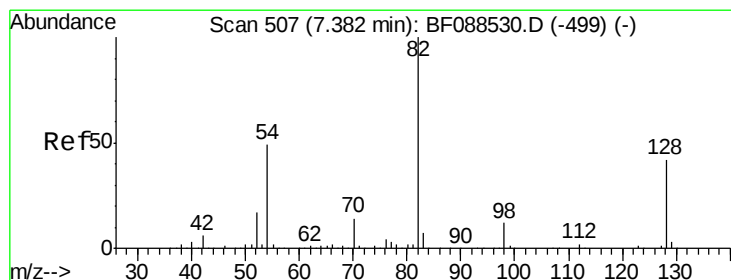
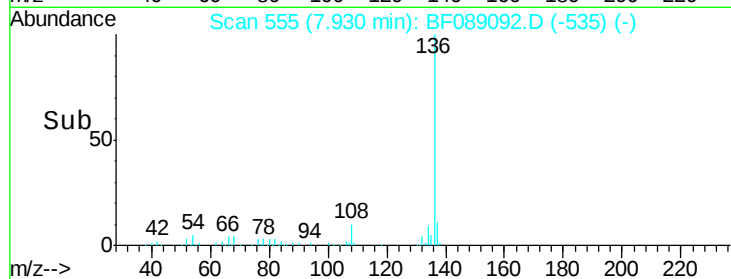
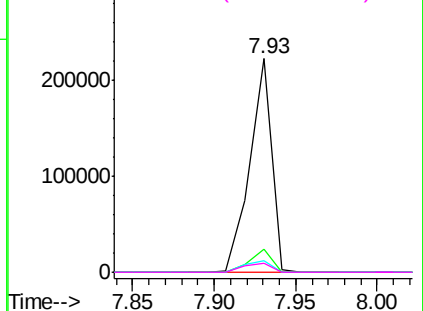
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.07 min
Lab File: BF089092.D
Acq: 18 Jul 2016 20:11

Instrument :
BNA_F
ClientSampleId :
H10-B5(0-5)C

Tgt Ion:	136	Resp:	206948
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.4	6.6	10.0#
68	4.4	5.1	7.7#

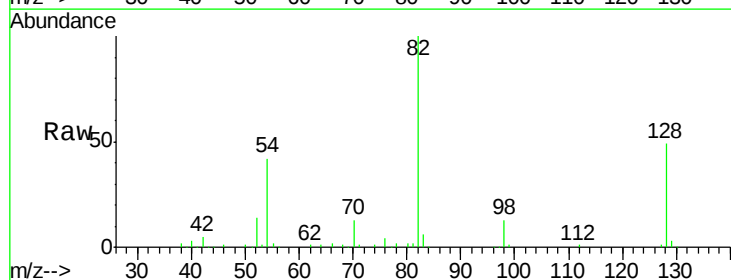


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

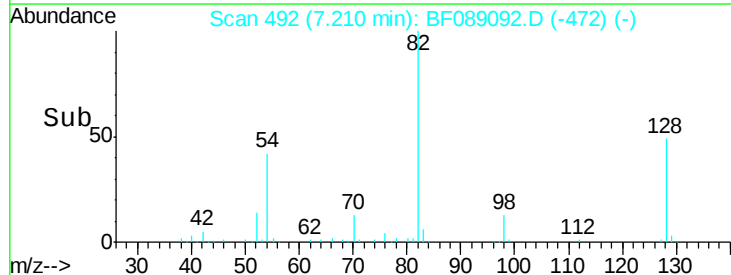
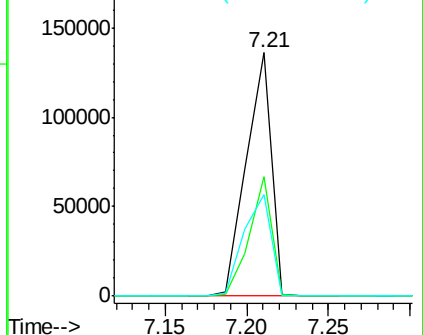


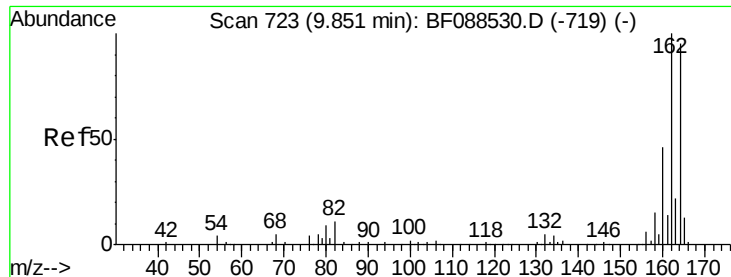
#23
Nitrobenzene-d5
Concen: 36.56 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.07 min
Lab File: BF089092.D
Acq: 18 Jul 2016 20:11

Tgt Ion:	82	Resp:	144384
Ion	Ratio	Lower	Upper
82	100		
128	49.1	35.9	53.9
54	41.7	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

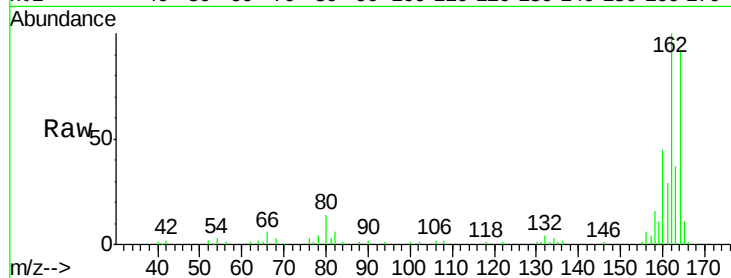




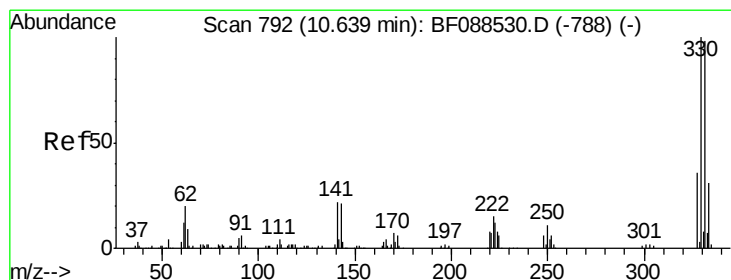
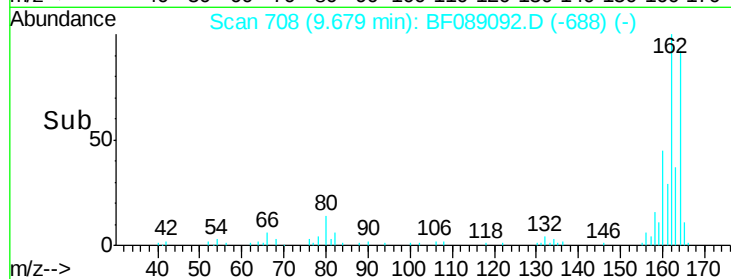
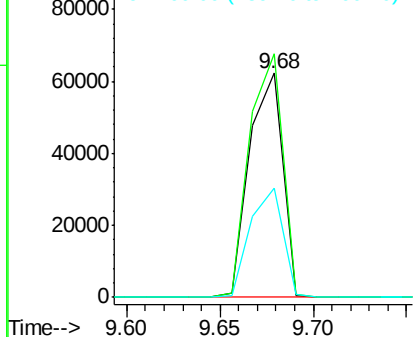
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.07 min
 Lab File: BF089092.D
 Acq: 18 Jul 2016 20:11

Instrument :
 BNA_F
 ClientSampleId :
 H10-B5(0-5)C

Tgt Ion:164 Resp: 76771
 Ion Ratio Lower Upper
 164 100
 162 108.5 85.4 128.2
 160 48.9 39.5 59.3

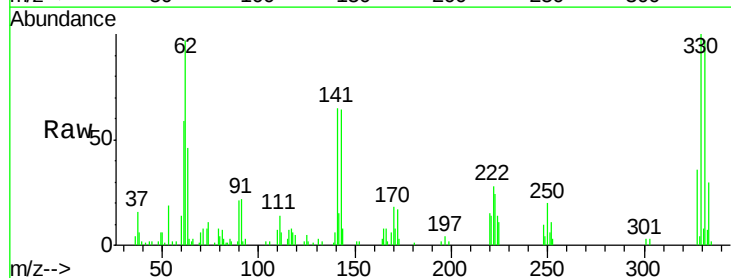


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

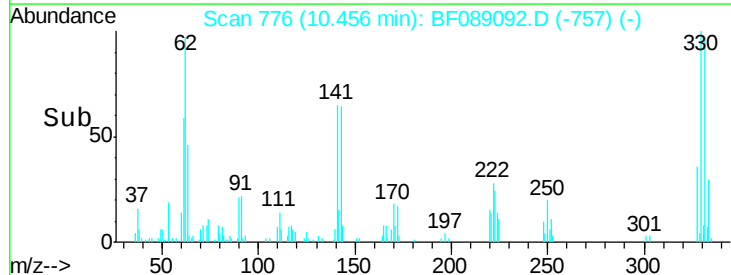
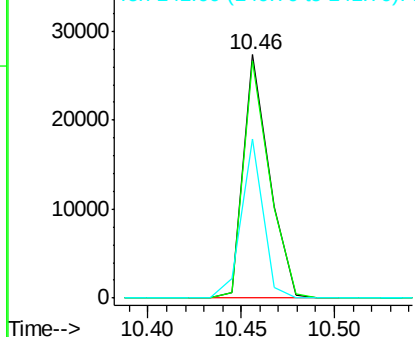


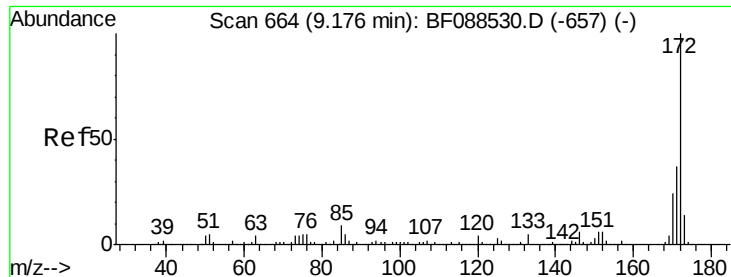
#41
 2,4,6-Tribromophenol
 Concen: 37.31 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.08 min
 Lab File: BF089092.D
 Acq: 18 Jul 2016 20:11

Tgt Ion:330 Resp: 26595
 Ion Ratio Lower Upper
 330 100
 332 97.7 0.0 0.0#
 141 55.0 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

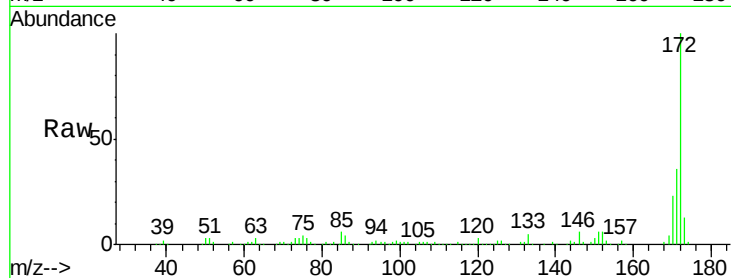




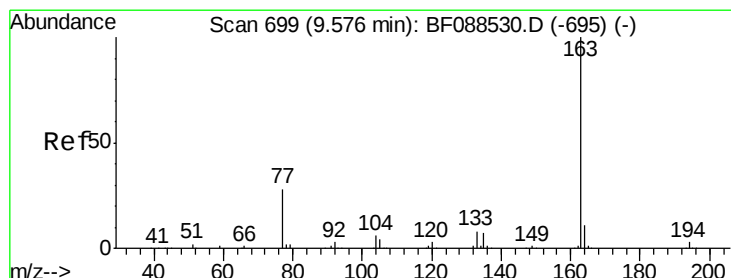
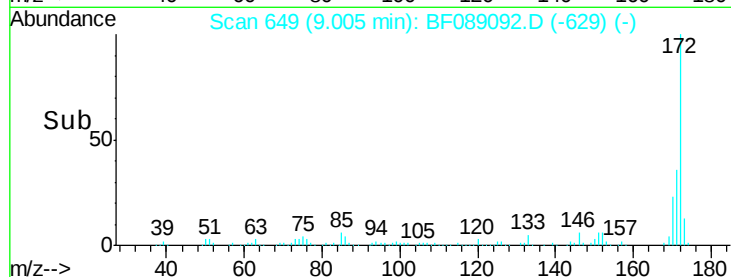
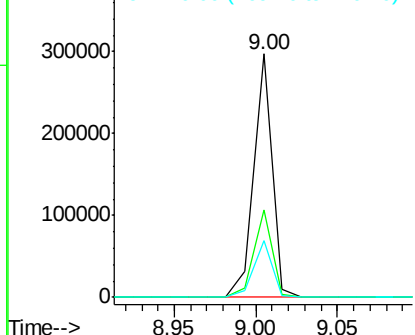
#44
 2-Fluorobiphenyl
 Concen: 48.05 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.07 min
 Lab File: BF089092.D
 Acq: 18 Jul 2016 20:11

Instrument :
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 H10-B5(0-5)C

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.3	19.2	28.8

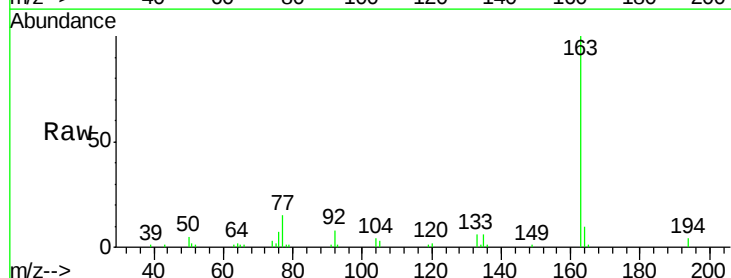


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

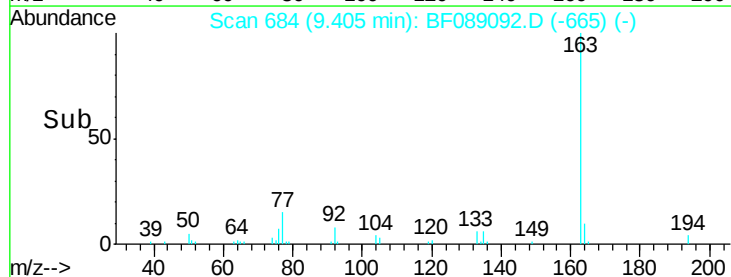
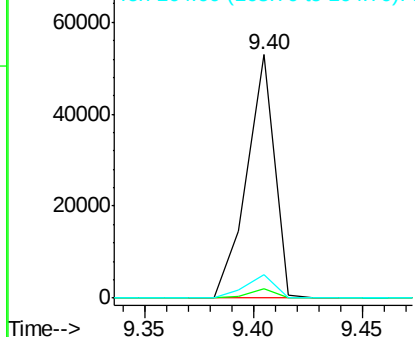


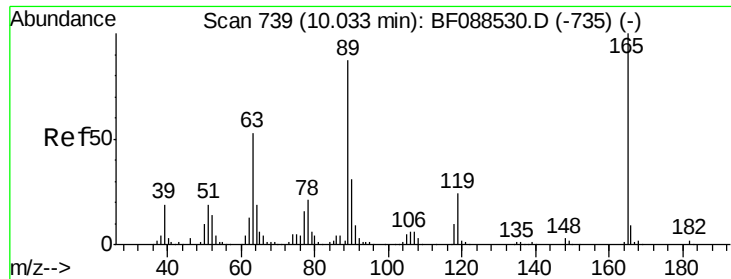
#49
 Dimethylphthalate
 Concen: 8.56 ng
 RT: 9.40 min Scan# 684
 Delta R.T. -0.08 min
 Lab File: BF089092.D
 Acq: 18 Jul 2016 20:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.8	4.2
164	9.7	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

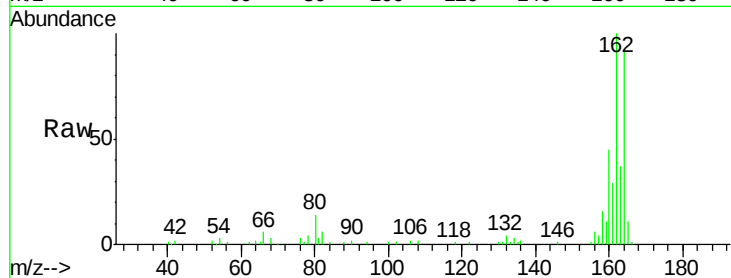




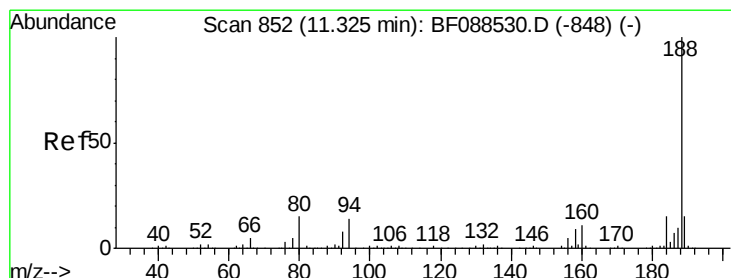
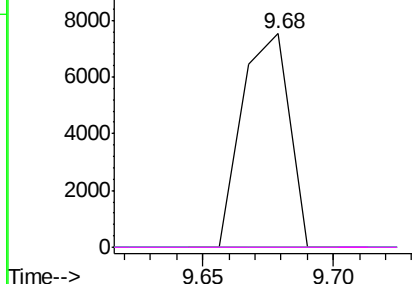
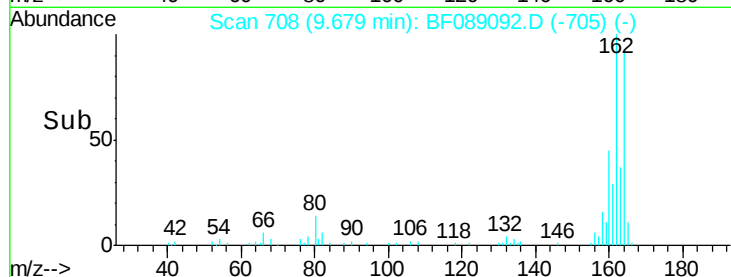
#56
 2,4-Dinitrotoluene
 Concen: 6.05 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.26 min
 Lab File: BF089092.D
 Acq: 18 Jul 2016 20:11

Instrument :
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 H10-B5(0-5)C

Tgt Ion:	165	Resp:	9592
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#

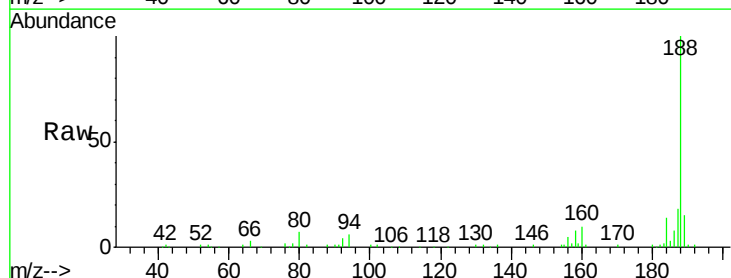


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

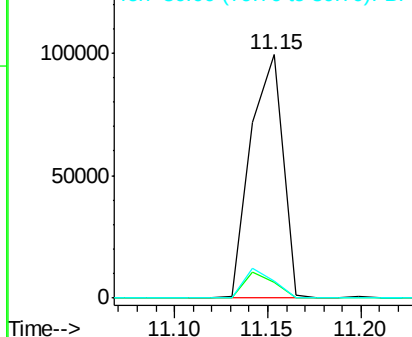
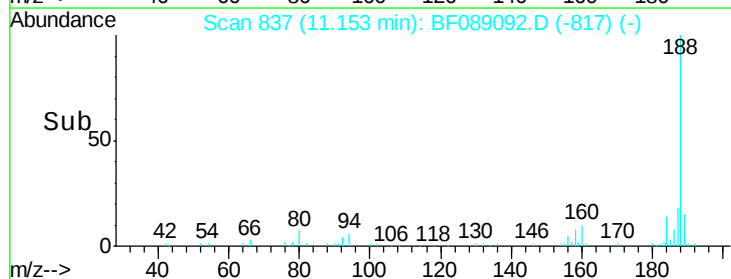


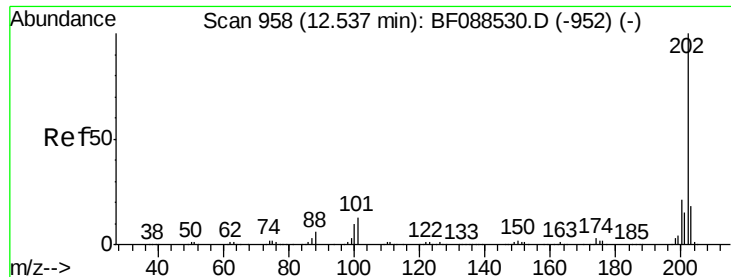
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.07 min
 Lab File: BF089092.D
 Acq: 18 Jul 2016 20:11

Tgt Ion:	188	Resp:	118694
Ion	Ratio	Lower	Upper
188	100		
94	6.5	9.0	13.6#
80	6.9	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

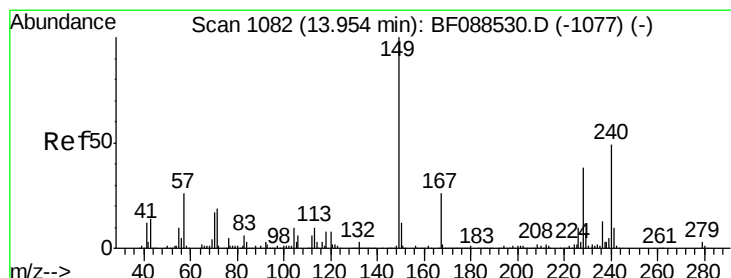
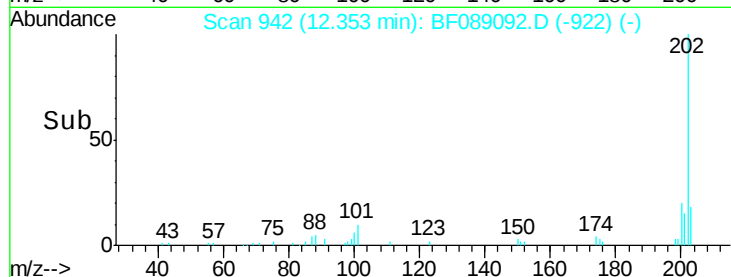
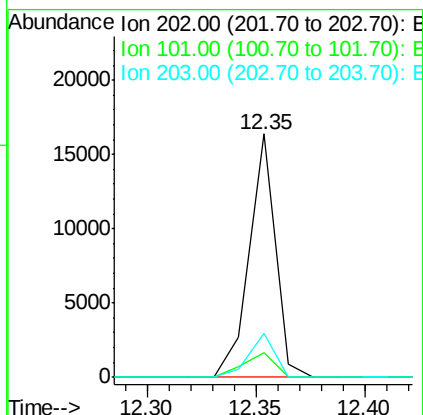
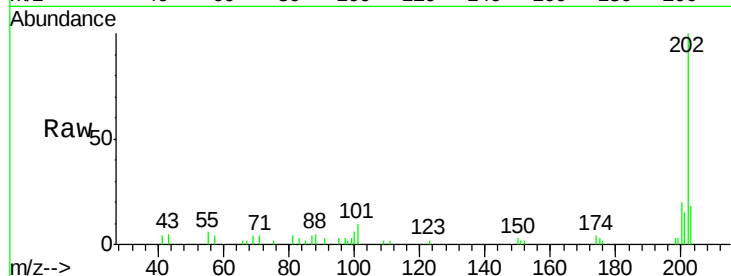




#74
Fluoranthene
Concen: 2.08 ng
RT: 12.35 min Scan# 942
Delta R.T. -0.07 min
Lab File: BF089092.D
Acq: 18 Jul 2016 20:11

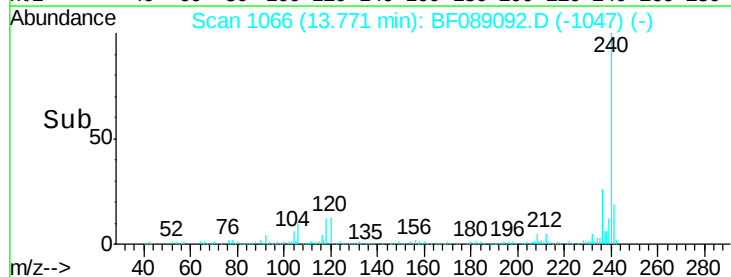
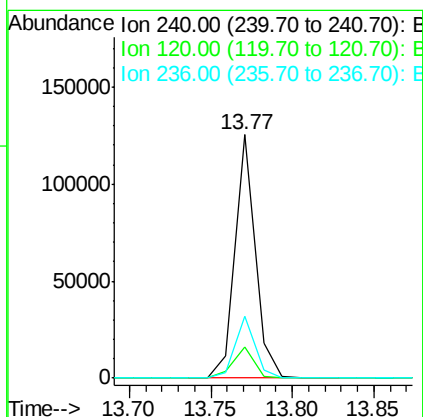
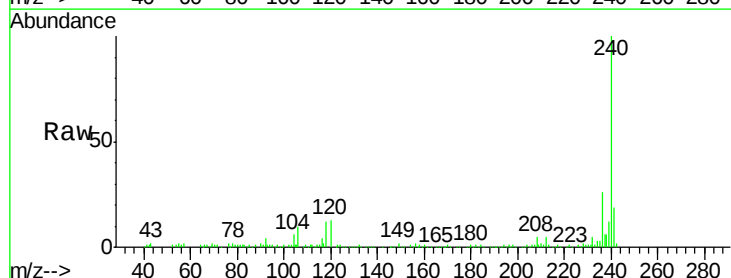
Instrument :
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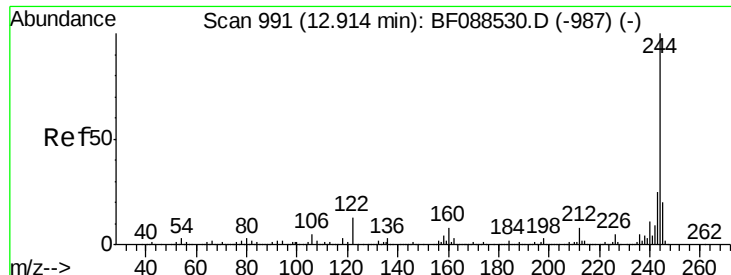
Tgt Ion: 202 Resp: 13693
Ion Ratio Lower Upper
202 100
101 10.4 0.0 33.1
203 18.0 0.0 38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1066
Delta R.T. -0.08 min
Lab File: BF089092.D
Acq: 18 Jul 2016 20:11

Tgt Ion: 240 Resp: 106874
Ion Ratio Lower Upper
240 100
120 12.7 6.8 10.2#
236 25.6 20.2 30.2





#78

Terphenyl-d14

Concen: 28.36 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.07 min

Lab File: BF089092.D

Acq: 18 Jul 2016 20:11

Instrument :

BNA_F

ClientSampleId :

H10-B5(0-5)C

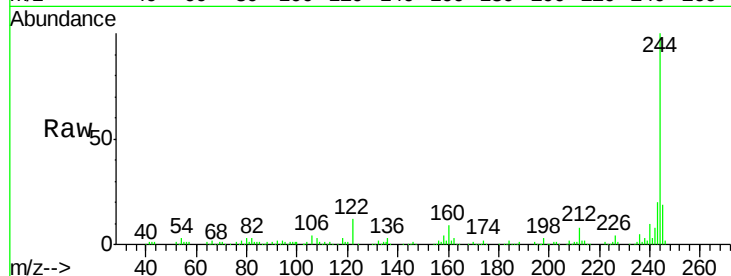
Tgt Ion:244 Resp: 136084

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

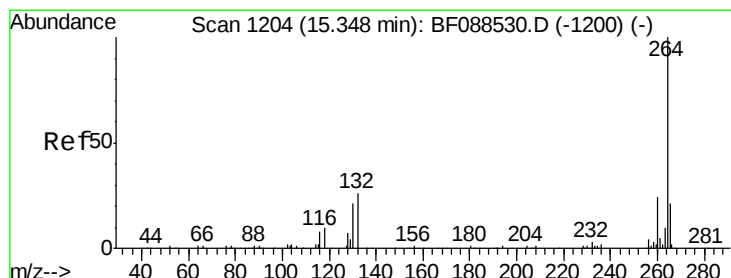
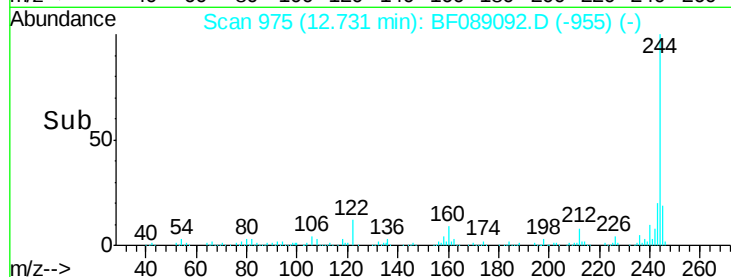
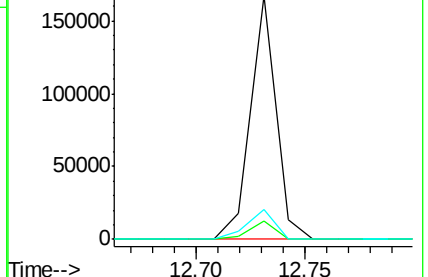
122 12.4 11.2 16.8



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: 15.13 min Scan# 1185

Delta R.T. -0.08 min

Lab File: BF089092.D

Acq: 18 Jul 2016 20:11

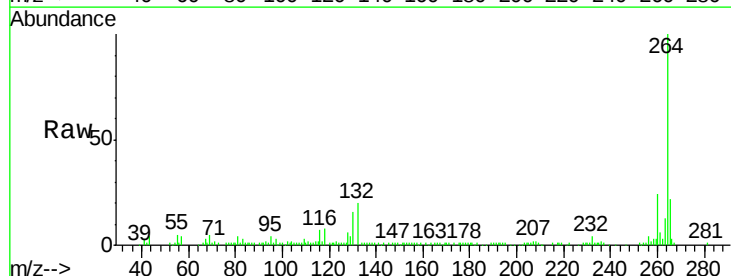
Tgt Ion:264 Resp: 86739

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

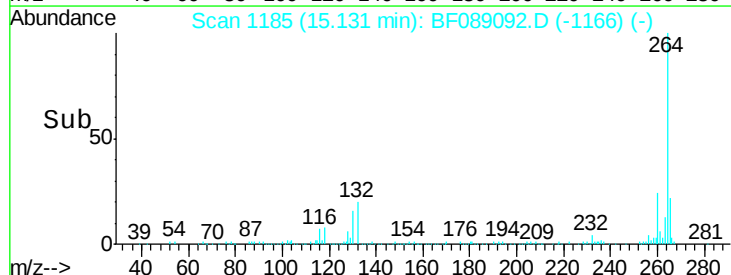
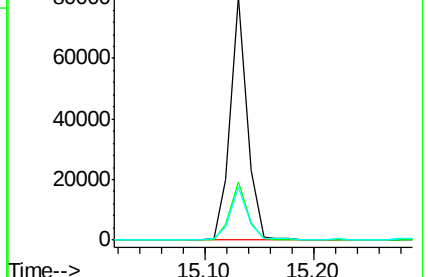
265 21.6 16.9 25.3

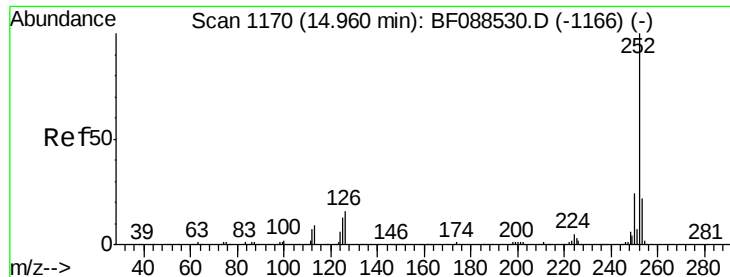


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.22 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.07 min

Lab File: BF089092.D

Acq: 18 Jul 2016 20:11

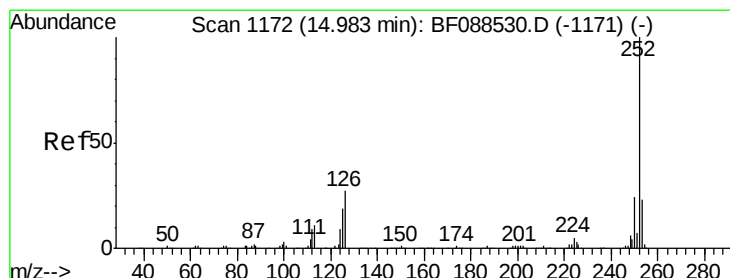
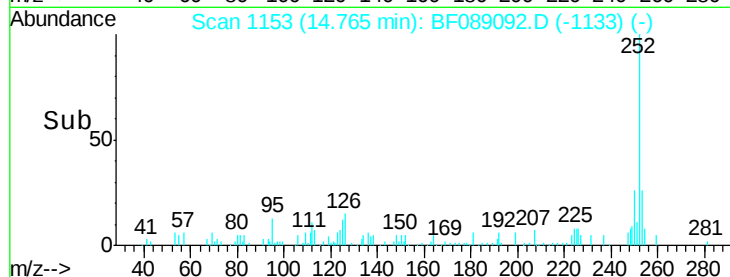
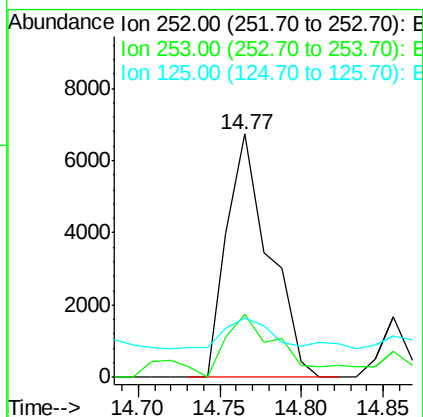
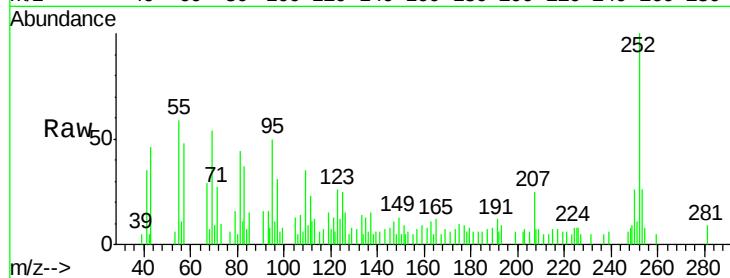
Instrument :

BNA_F

ClientSampleId :

H10-B5(0-5)C

Tgt Ion:	252	Resp:	12072
Ion Ratio	Lower	Upper	
252	100		
253	26.1	17.4	26.2
125	24.5	7.1	10.7#



#88

Benzo(k)fluoranthene

Concen: 2.55 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.10 min

Lab File: BF089092.D

Acq: 18 Jul 2016 20:11

Tgt Ion:	252	Resp:	12072
Ion Ratio	Lower	Upper	
252	100		
253	26.1	18.0	27.0
125	24.5	11.2	16.8#

