

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
 Data File : BF089434.D
 Acq On : 30 Jul 2016 3:41
 Operator : UM/SJ
 Sample : H4221-21
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-03072516

Quant Time: Jul 30 04:51:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 30 01:00:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	45207	20.00	ng	0.00
21) Naphthalene-d8	7.80	136	181147	20.00	ng	0.00
38) Acenaphthene-d10	9.54	164	85080	20.00	ng	0.00
63) Phenanthrene-d10	11.02	188	137591	20.00	ng	0.00
75) Chrysene-d12	13.63	240	87732	20.00	ng	0.00
86) Perylene-d12	14.96	264	91195	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	246523	87.07	ng	0.00
7) Phenol-d6	6.17	99	247982	66.28	ng	-0.01
23) Nitrobenzene-d5	7.08	82	292128	95.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.33	330	81428	115.56	ng	0.00
44) 2-Fluorobiphenyl	8.88	172	528262	91.12	ng	0.00
78) Terphenyl-d14	12.59	244	324426	86.55	ng	-0.01

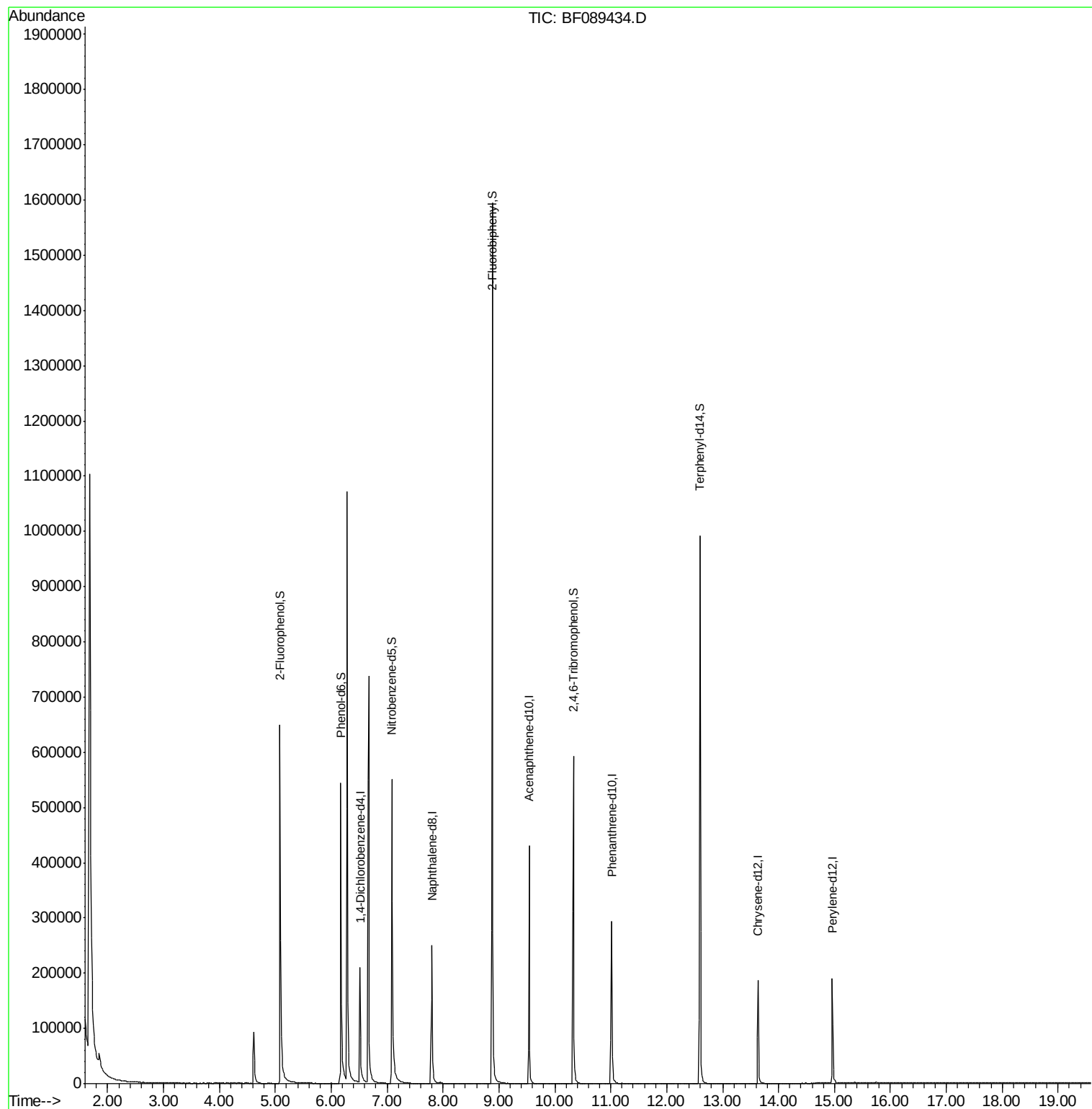
Target Compounds	Qvalue
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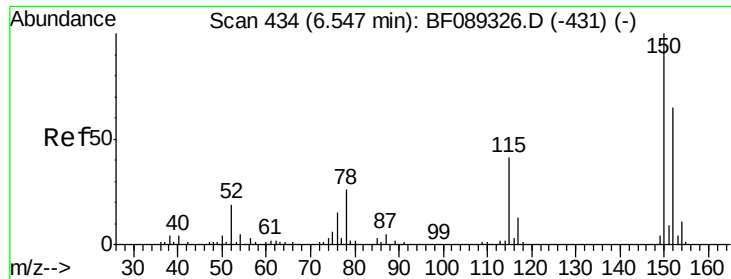
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.00 min

Lab File: BF089434.D

Acq: 30 Jul 2016 3:41

Instrument :

BNA_F

ClientSampleId :

DUP-03072516

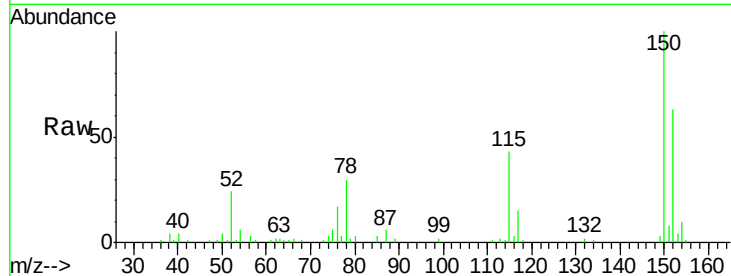
Tgt Ion:152 Resp: 45207

Ion Ratio Lower Upper

152 100

150 159.9 129.5 194.3

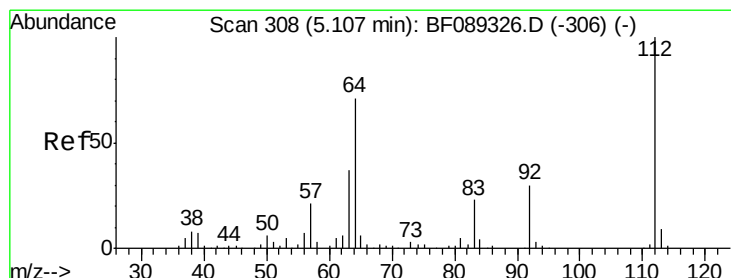
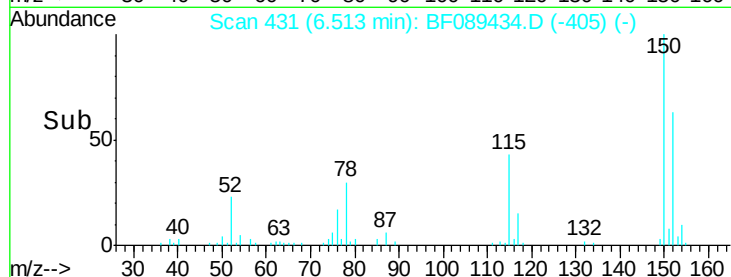
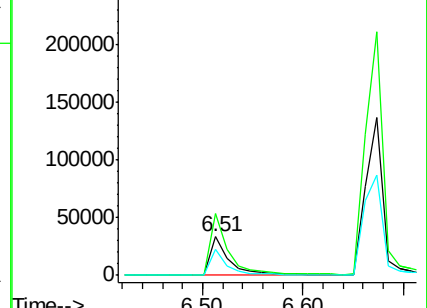
115 69.3 51.4 77.2



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: 87.07 ng

RT: 5.08 min Scan# 306

Delta R.T. -0.00 min

Lab File: BF089434.D

Acq: 30 Jul 2016 3:41

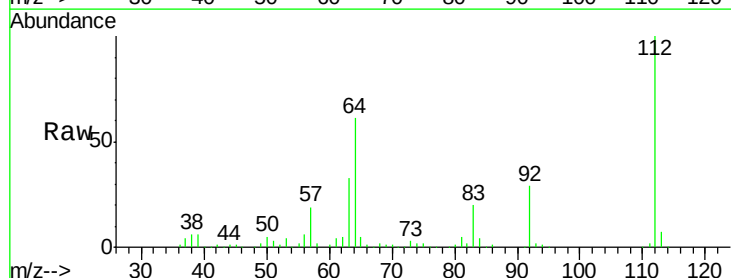
Tgt Ion:112 Resp: 246523

Ion Ratio Lower Upper

112 100

64 60.9 55.0 82.6

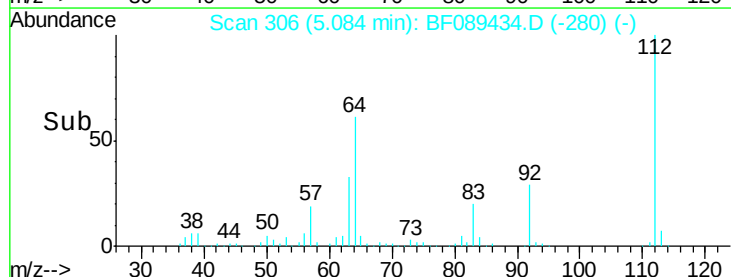
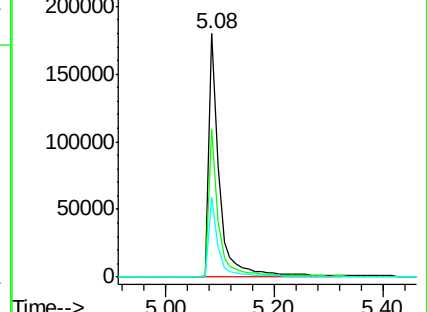
63 32.5 29.4 44.2

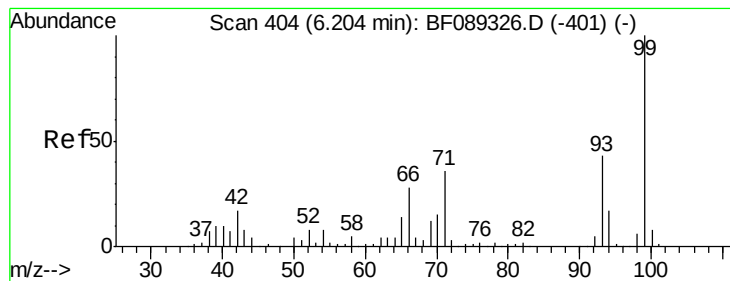


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 66.28 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF089434.D

Acq: 30 Jul 2016 3:41

Instrument :

BNA_F

ClientSampleId :

DUP-03072516

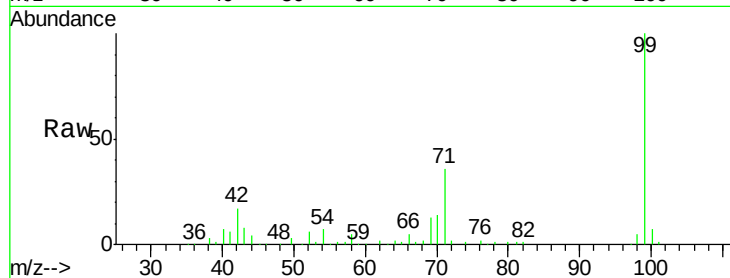
Tgt Ion: 99 Resp: 247982

Ion Ratio Lower Upper

99 100

42 16.8 13.6 20.4

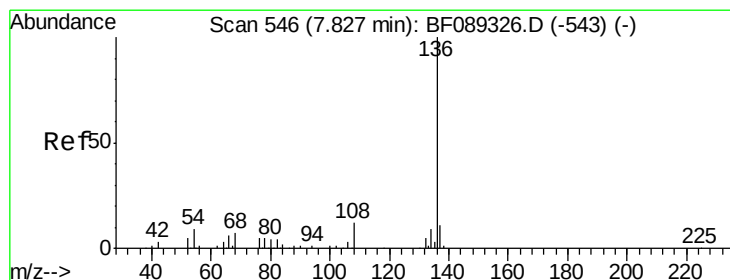
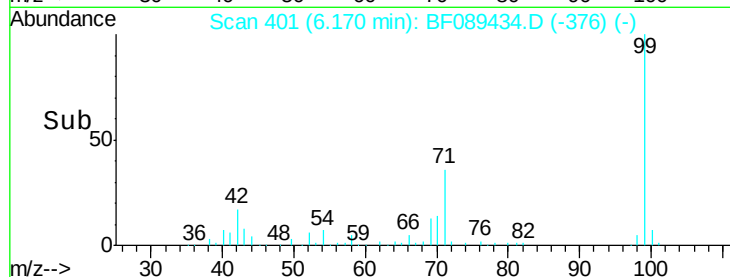
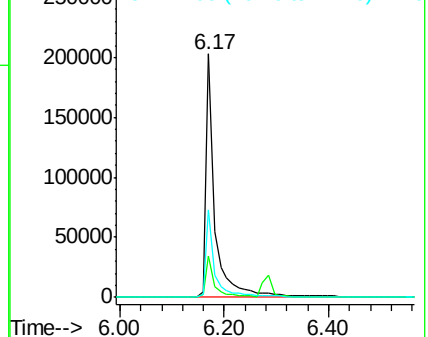
71 36.1 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.80 min Scan# 544

Delta R.T. 0.00 min

Lab File: BF089434.D

Acq: 30 Jul 2016 3:41

Tgt Ion: 136 Resp: 181147

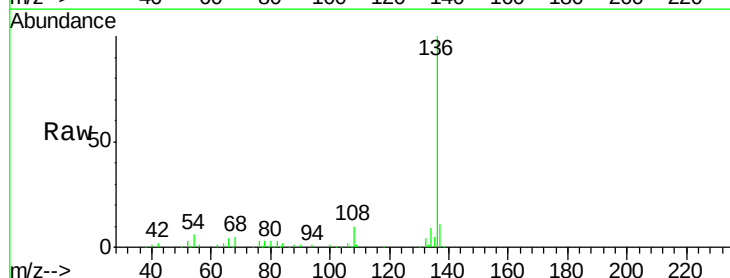
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 5.6 7.0 10.4#

68 4.7 4.9 7.3#

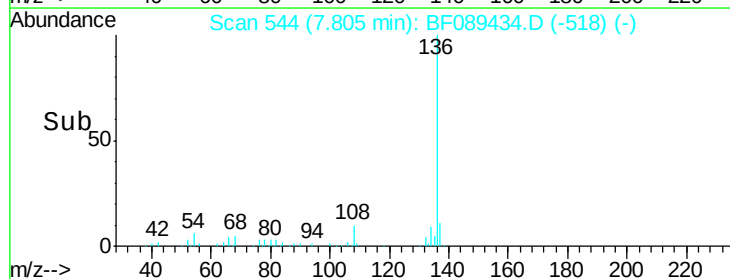
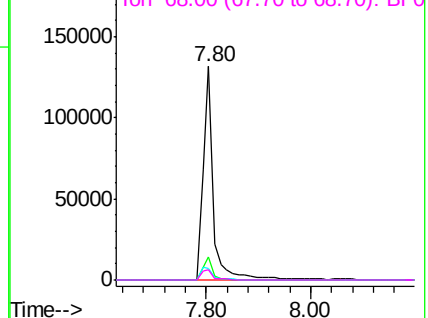


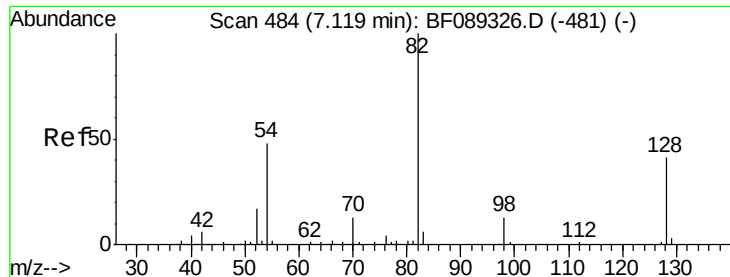
Abundance Ion 136.00 (135.70 to 136.70): E

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

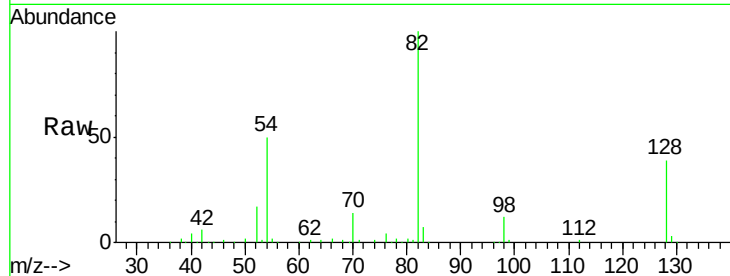




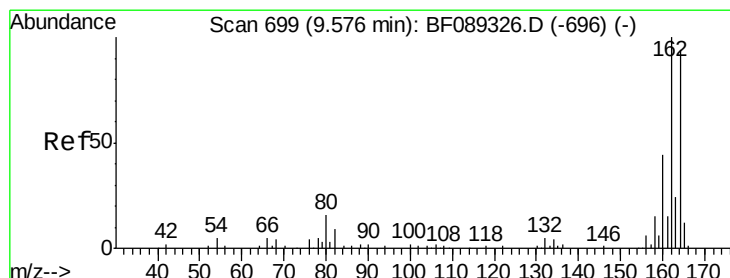
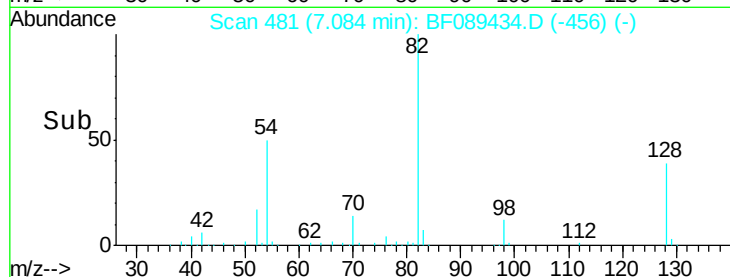
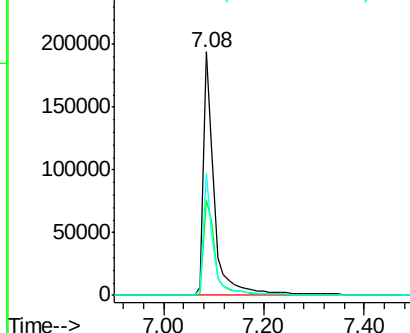
#23
 Nitrobenzene-d5
 Concen: 95.19 ng
 RT: 7.08 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: BF089434.D
 Acq: 30 Jul 2016 3:41

Instrument :
 BNA_F
 ClientSampleId :
 DUP-03072516

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.9	32.5	48.7
54	50.2	38.8	58.2

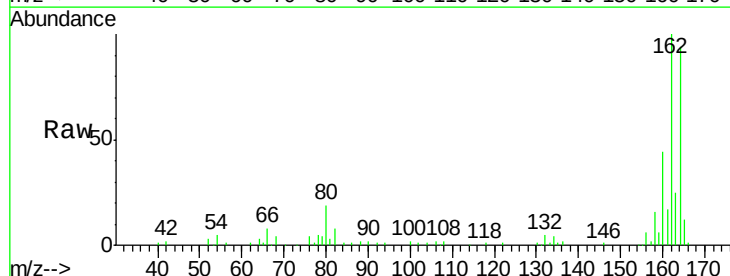


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

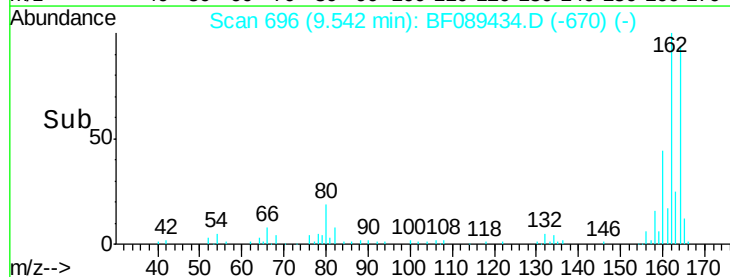
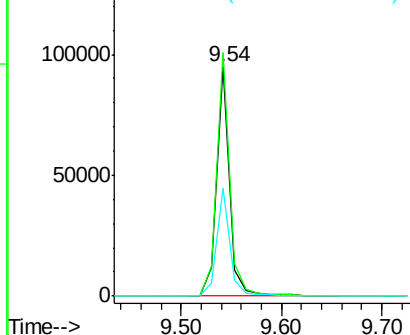


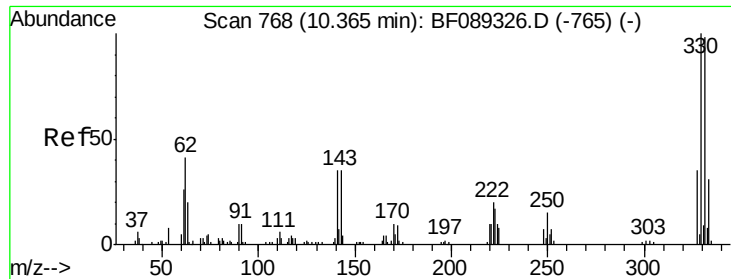
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.00 min
 Lab File: BF089434.D
 Acq: 30 Jul 2016 3:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	83.7	125.5
160	47.2	37.8	56.6



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

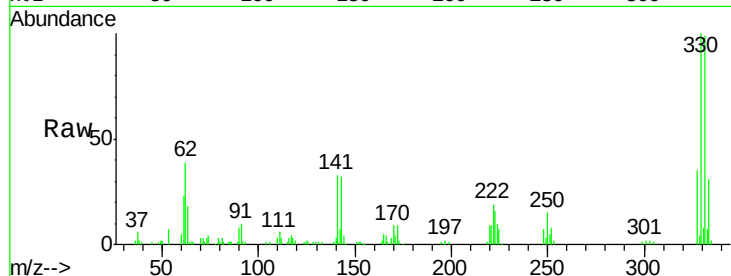




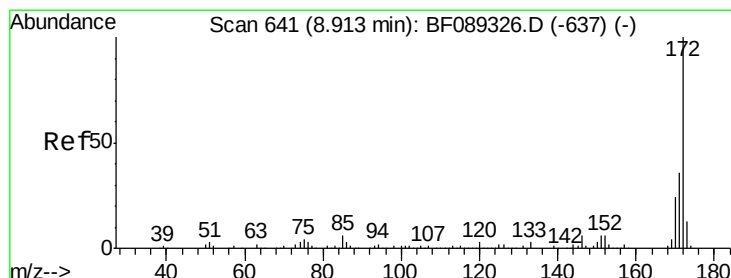
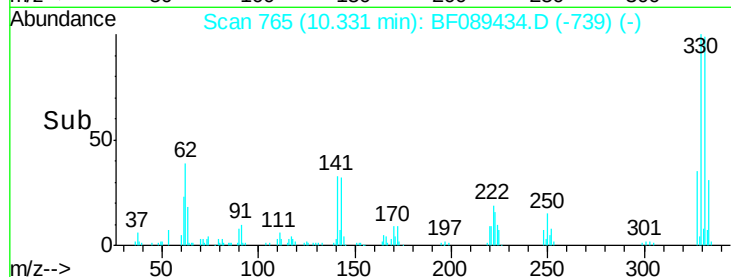
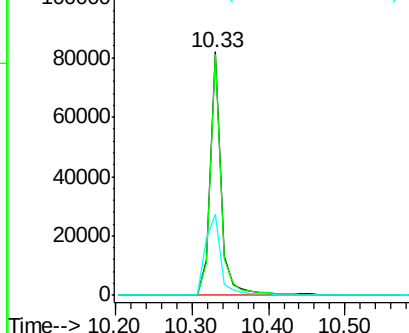
#41
 2,4,6-Tribromophenol
 Concen: 115.56 ng
 RT: 10.33 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF089434.D
 Acq: 30 Jul 2016 3:41

Instrument :
 BNA_F
 ClientSampleId :
 DUP-03072516

Tgt Ion:330 Resp: 81428
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.8 115.2
 141 45.6 37.3 55.9

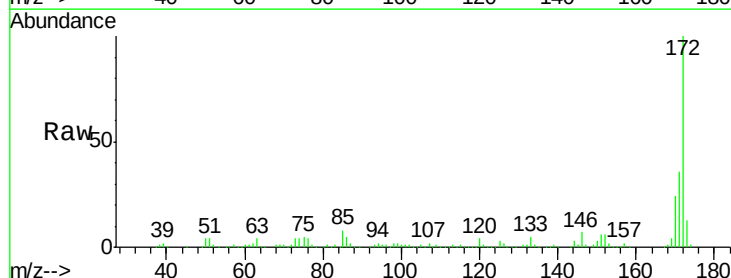


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

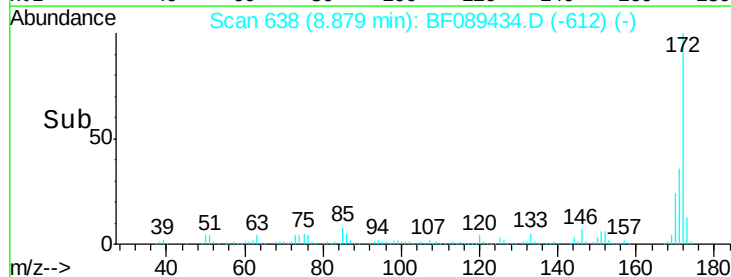
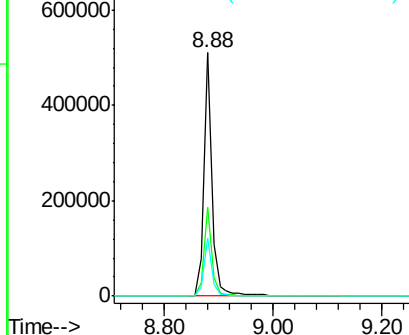


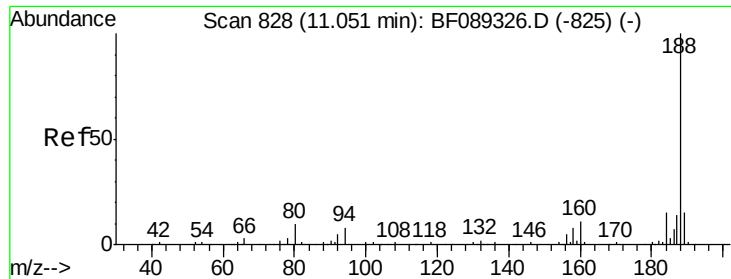
#44
 2-Fluorobiphenyl
 Concen: 91.12 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: BF089434.D
 Acq: 30 Jul 2016 3:41

Tgt Ion:172 Resp: 528262
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.2 43.8
 170 24.1 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

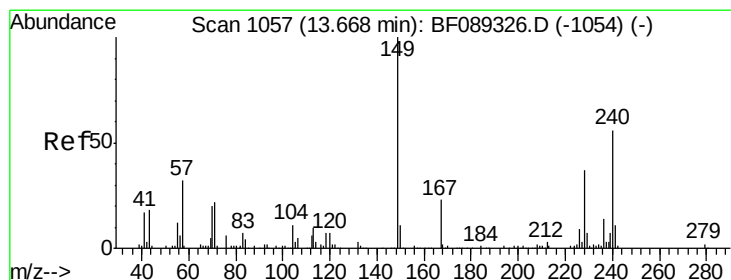
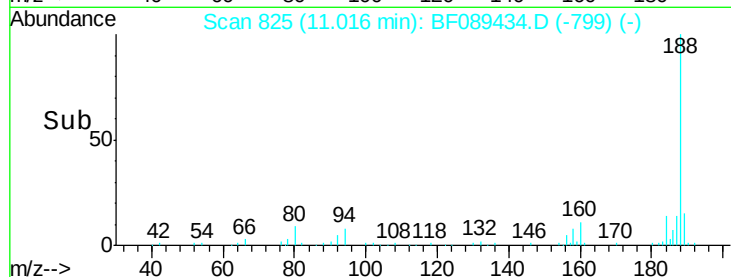
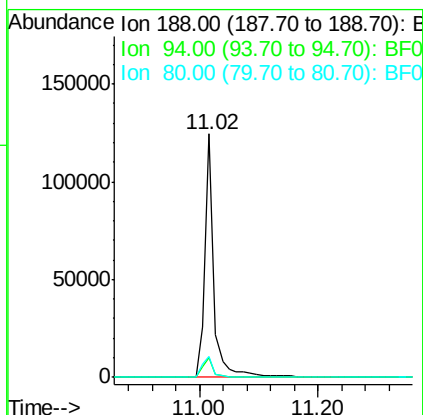
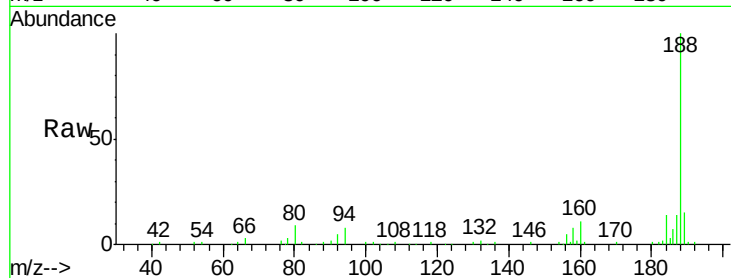




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.00 min
Lab File: BF089434.D
Acq: 30 Jul 2016 3:41

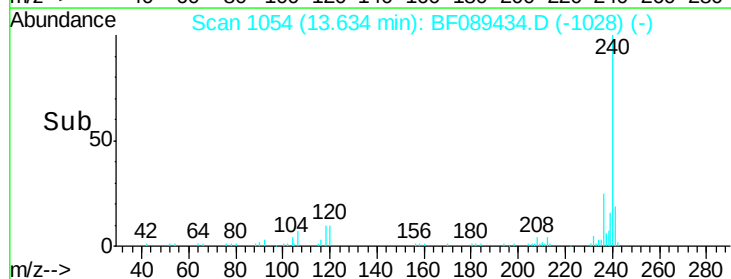
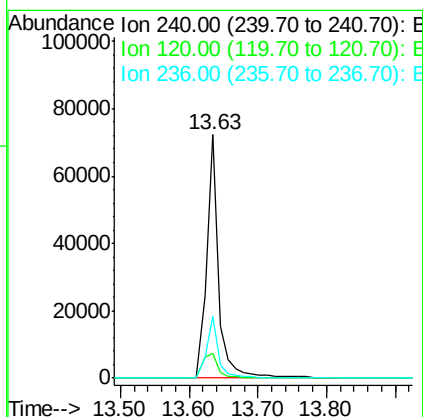
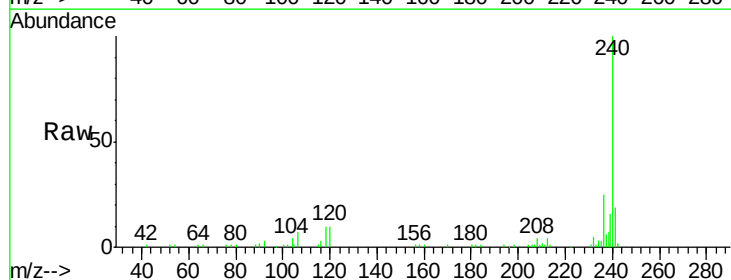
Instrument :
BNA_F
ClientSampleId :
DUP-03072516

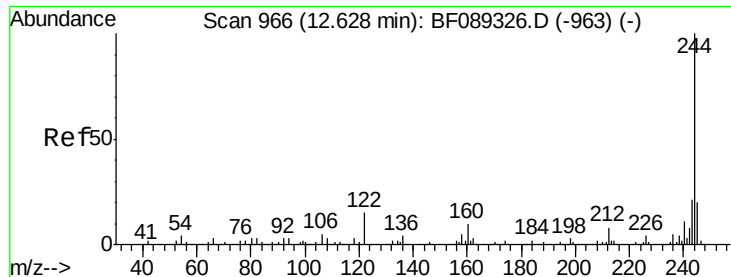
Tgt Ion:188 Resp: 137591
Ion Ratio Lower Upper
188 100
94 8.1 6.5 9.7
80 8.7 7.2 10.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BF089434.D
Acq: 30 Jul 2016 3:41

Tgt Ion:240 Resp: 87732
Ion Ratio Lower Upper
240 100
120 10.2 9.1 13.7
236 25.3 20.6 30.8





#78

Terphenyl-d14

Concen: 86.55 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF089434.D

Acq: 30 Jul 2016 3:41

Instrument :

BNA_F

ClientSampleId :

DUP-03072516

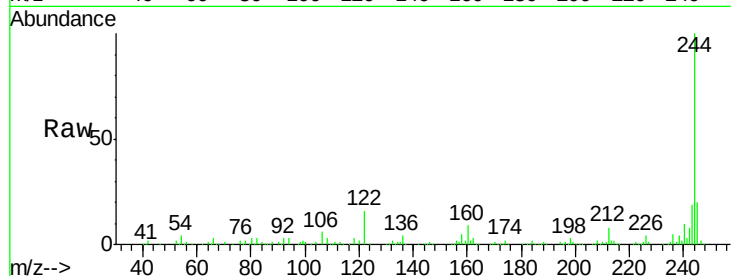
Tgt Ion:244 Resp: 324426

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

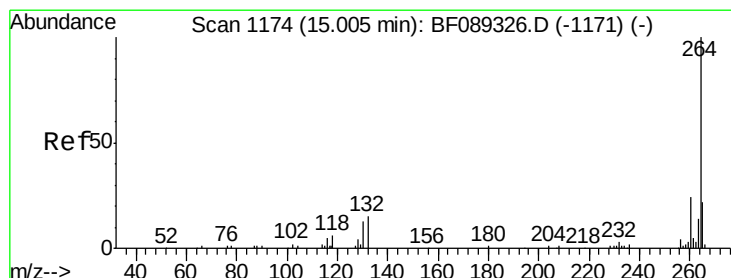
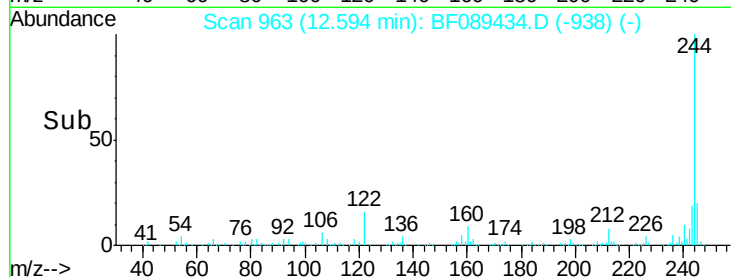
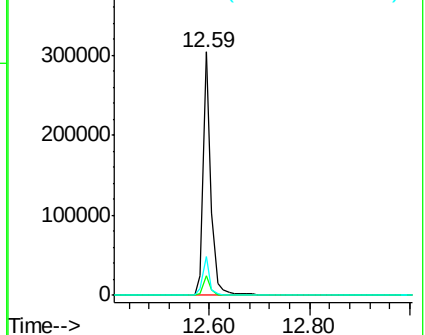
122 15.7 11.4 17.0



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: 14.96 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF089434.D

Acq: 30 Jul 2016 3:41

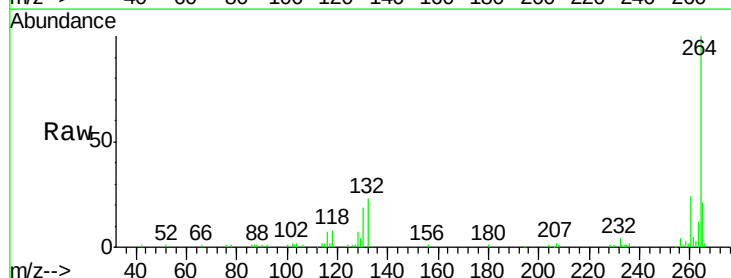
Tgt Ion:264 Resp: 91195

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 21.1 17.5 26.3



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

