

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081616\
 Data File : BF089747.D
 Acq On : 17 Aug 2016 6:42
 Operator : UM/SJ
 Sample : H4399-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB080416

Quant Time: Aug 17 07:08:28 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

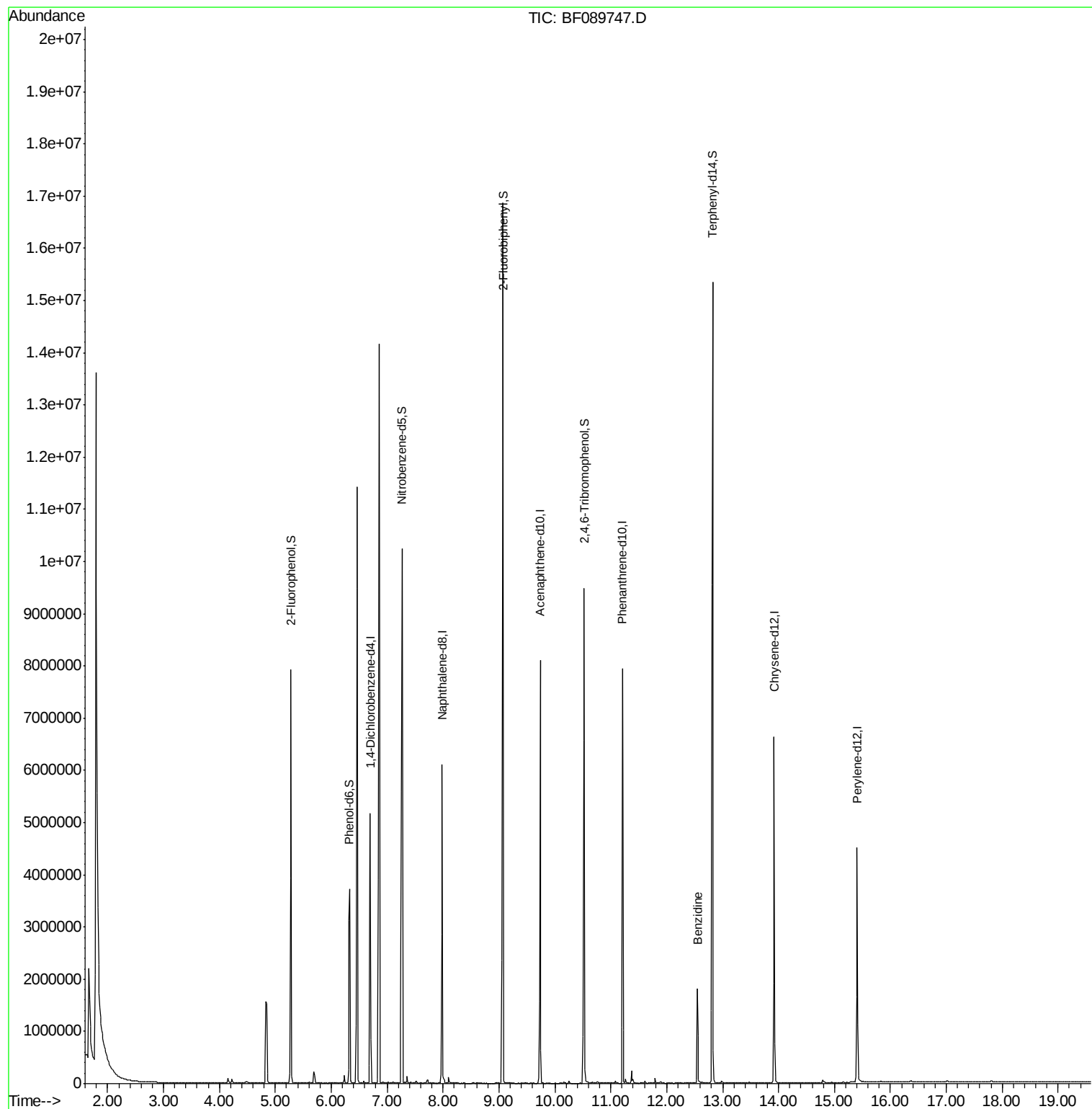
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	730425	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	3141791	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	1500927	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	2615776	20.00	ng	0.00
75) Chrysene-d12	13.92	240	2246198	20.00	ng	0.02
86) Perylene-d12	15.41	264	1888364	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	2533406	57.87	ng	0.00
7) Phenol-d6	6.33	99	1920921	34.50	ng	0.00
23) Nitrobenzene-d5	7.27	82	4035971	78.44	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	1519153	104.62	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	6728685	71.94	ng	0.00
78) Terphenyl-d14	12.82	244	5414320	72.01	ng	0.01
Target Compounds						
76) Benzidine	12.55	184	805503	9.99	ng	Qvalue 98

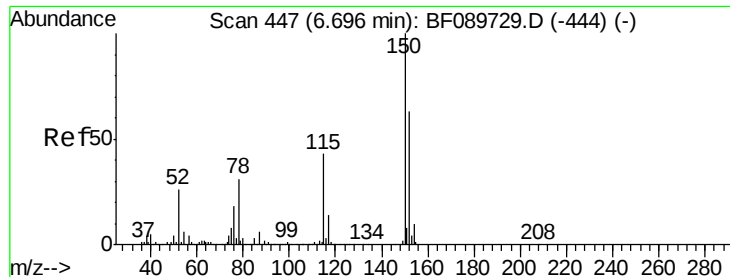
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF089747.D

Acq: 17 Aug 2016 6:42

Instrument :

BNA_F

ClientSampleId :

FB080416

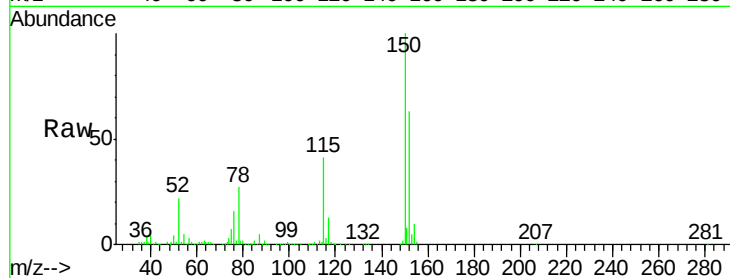
Tot Ion:152 Resp: 730425

Ion Ratio Lower Upper

152 100

150 158.7 125.3 187.9

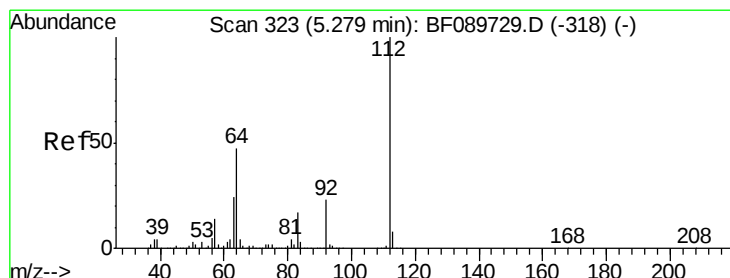
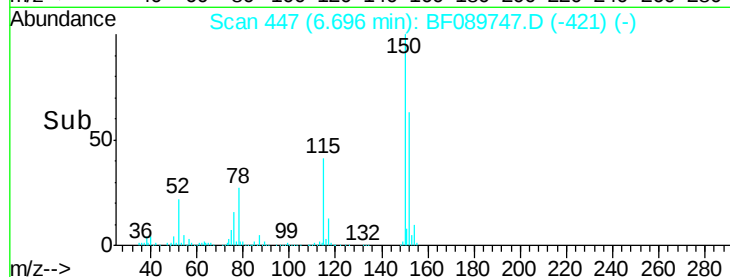
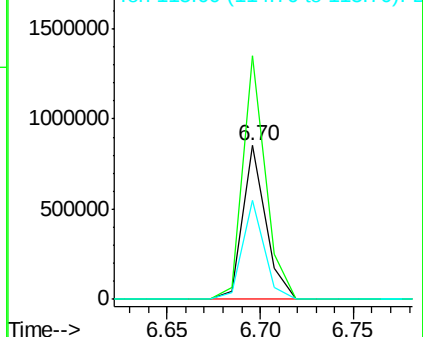
115 64.3 40.9 61.3#



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: 57.87 ng

RT: 5.28 min Scan# 323

Delta R.T. 0.00 min

Lab File: BF089747.D

Acq: 17 Aug 2016 6:42

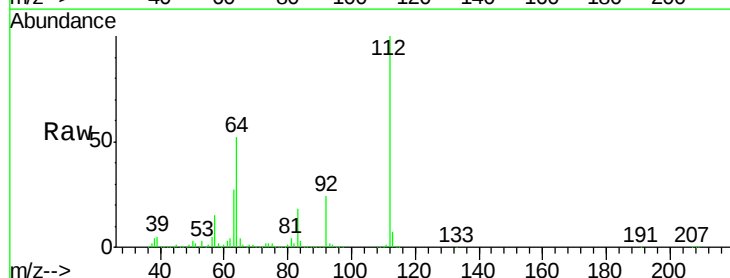
Tgt Ion:112 Resp: 2533406

Ion Ratio Lower Upper

112 100

64 52.1 45.0 67.4

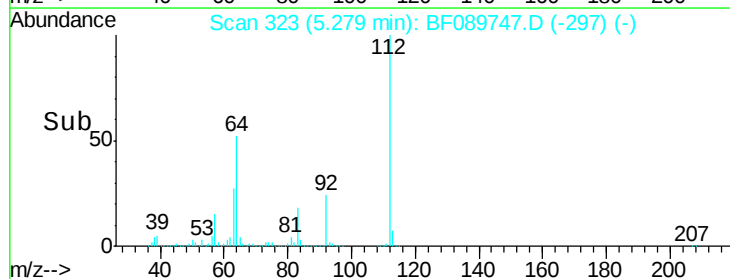
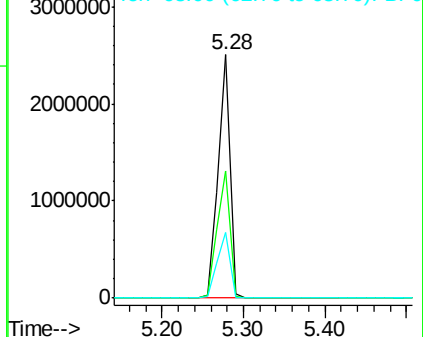
63 26.7 23.1 34.7

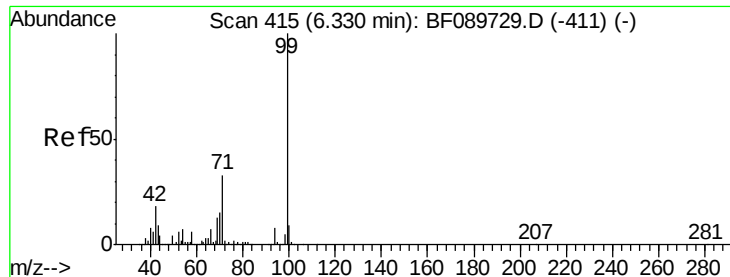


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.50 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF089747.D

Acq: 17 Aug 2016 6:42

Instrument :

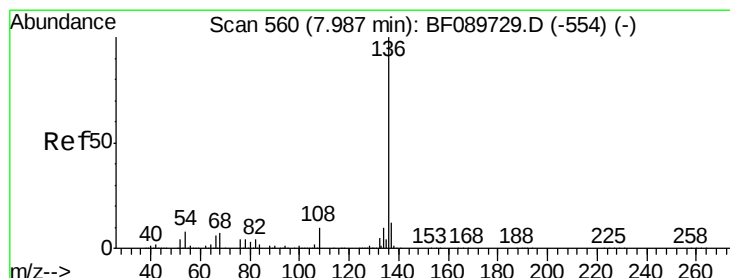
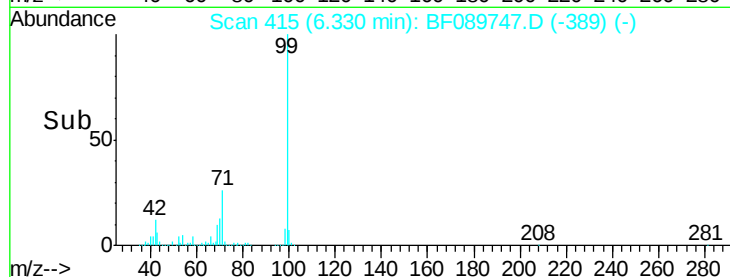
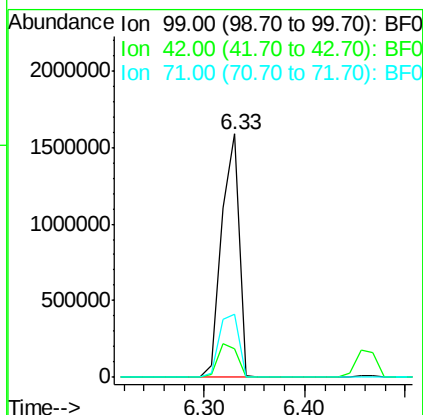
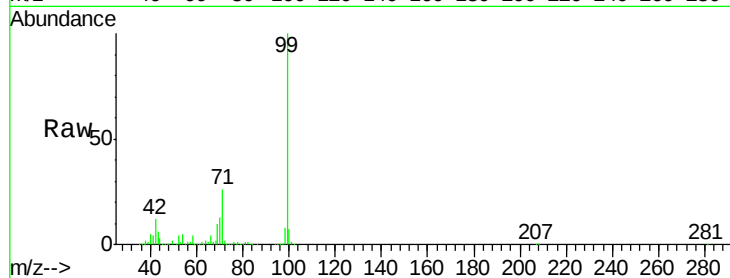
BNA_F

ClientSampled :

FB080416

Tot Ion: 99 Resp: 1920921

Ion	Ratio	Lower	Upper
99	100		
42	11.8	12.2	18.4#
71	26.1	23.8	35.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

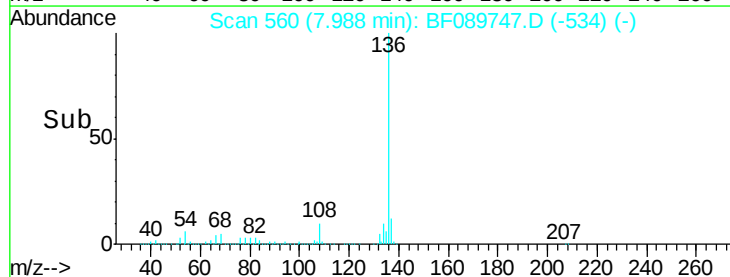
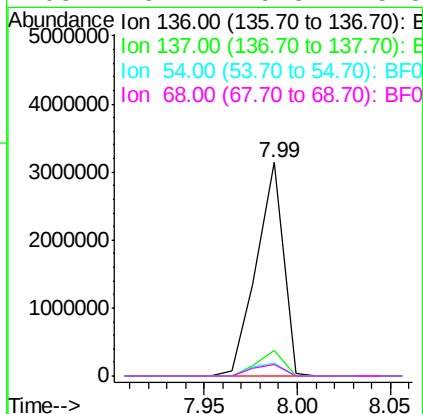
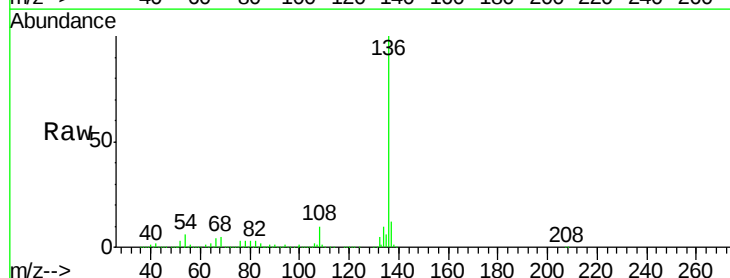
Delta R.T. 0.00 min

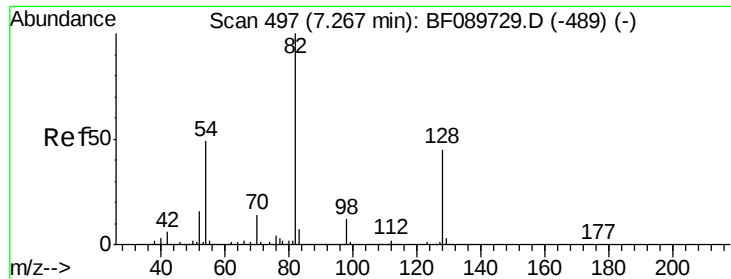
Lab File: BF089747.D

Acq: 17 Aug 2016 6:42

Tgt Ion: 136 Resp: 3141791

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	5.8	7.2	10.8#
68	5.2	5.8	8.8#



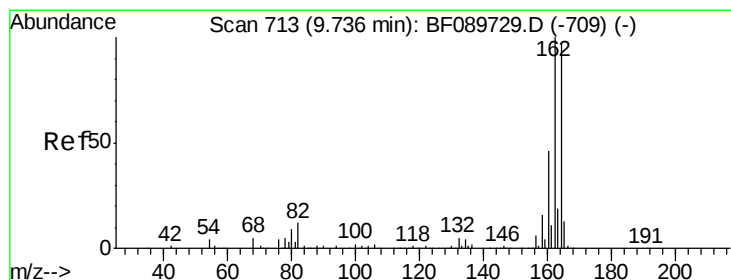
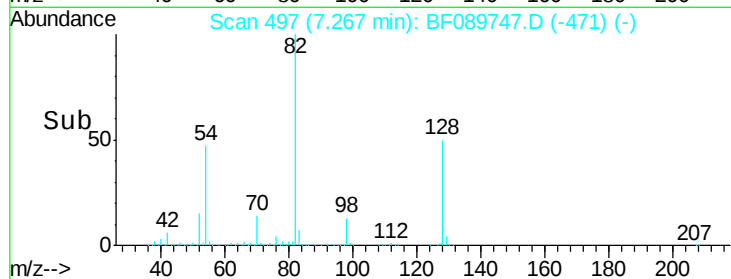
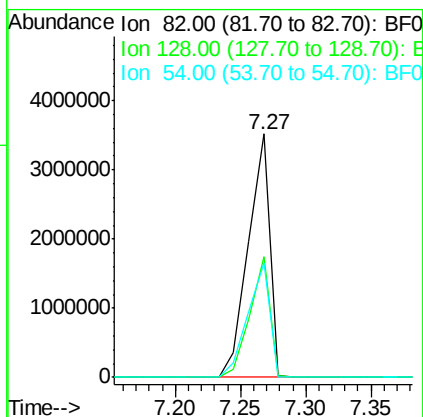
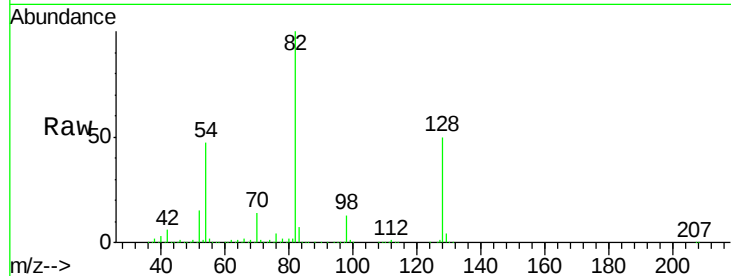


#23
 Nitrobenzene-d5
 Concen: 78.44 ng
 RT: 7.27 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: BF089747.D
 Acq: 17 Aug 2016 6:42

Instrument :
 BNA_F
 ClientSampleId :
 FB080416

Tot Ion: 82 Resp: 4035971

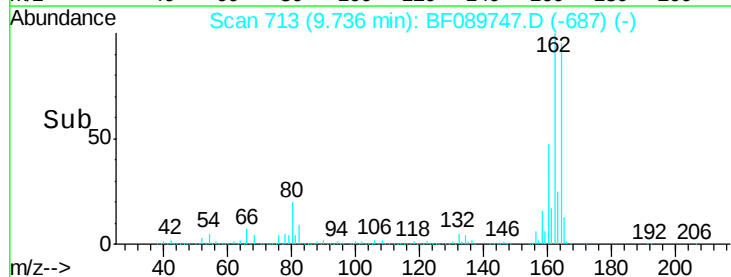
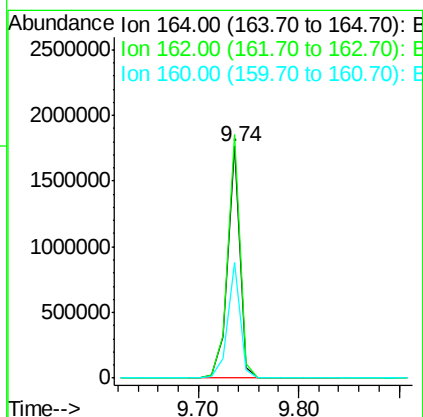
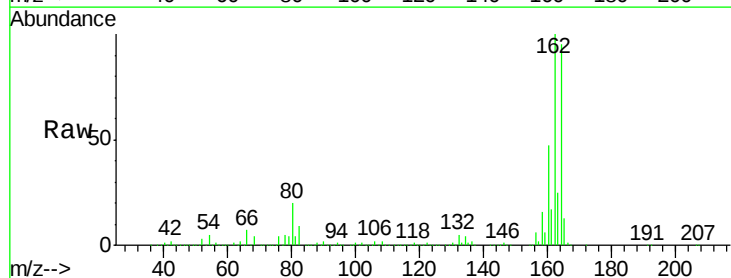
Ion	Ratio	Lower	Upper
82	100		
128	49.7	34.4	51.6
54	47.0	40.3	60.5

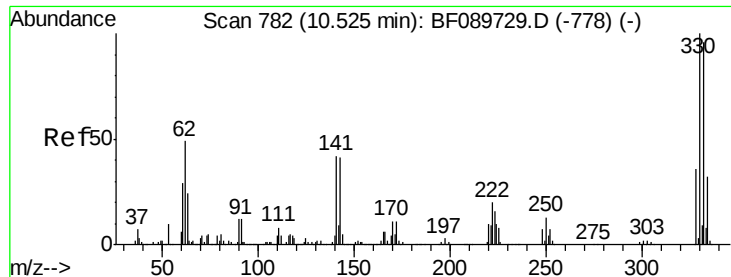


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: BF089747.D
 Acq: 17 Aug 2016 6:42

Tgt Ion: 164 Resp: 1500927

Ion	Ratio	Lower	Upper
164	100		
162	105.0	81.4	122.2
160	49.6	37.8	56.6

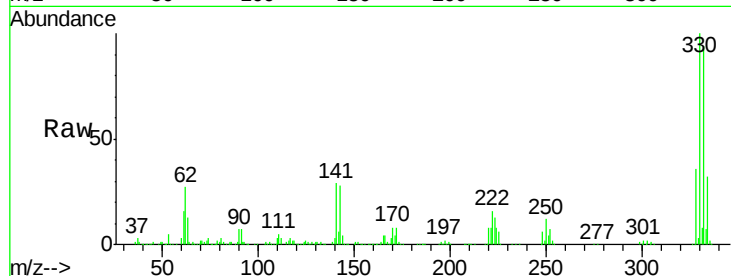




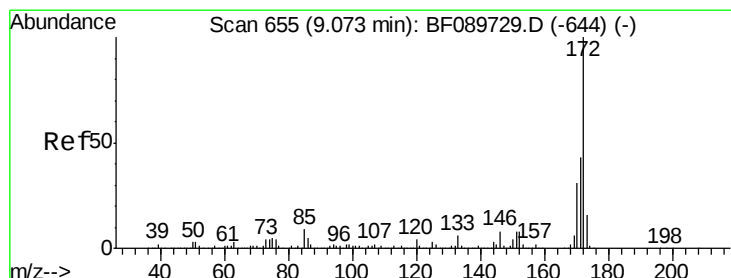
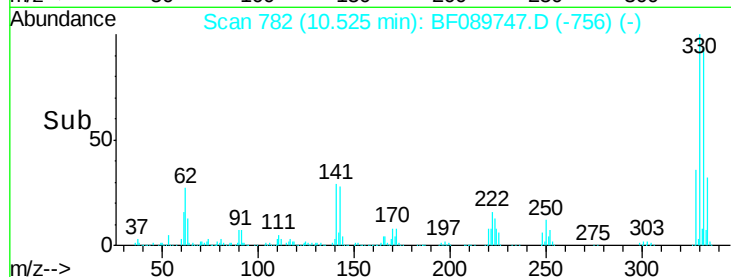
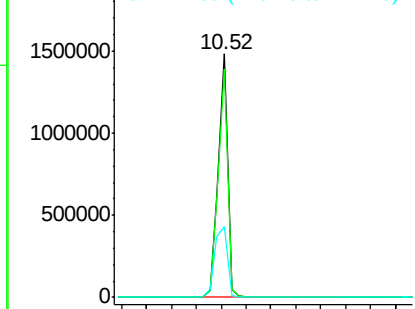
#41
 2,4,6-Tribromophenol
 Concen: 104.62 ng
 RT: 10.52 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: BF089747.D
 Acq: 17 Aug 2016 6:42

Instrument :
 BNA_F
 ClientSampleId :
 FB080416

Tot Ion:330 Resp: 1519153
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.7 115.1
 141 39.1 30.2 45.2

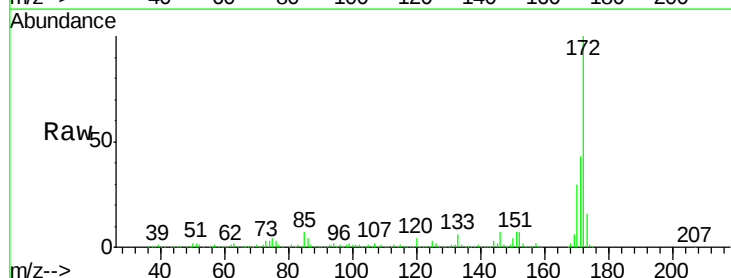


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

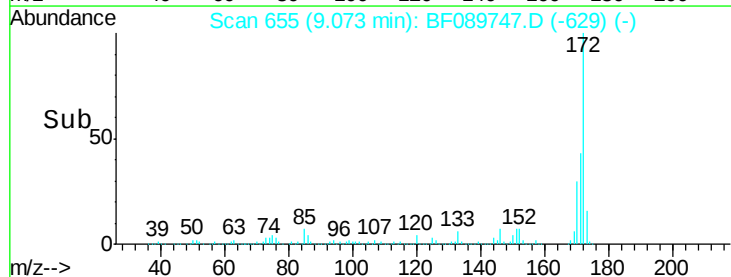
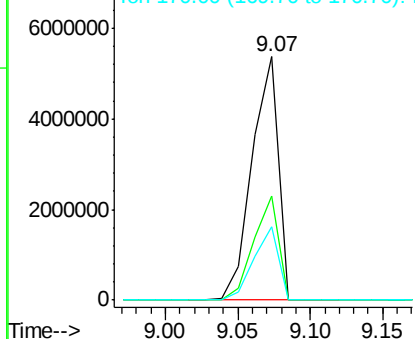


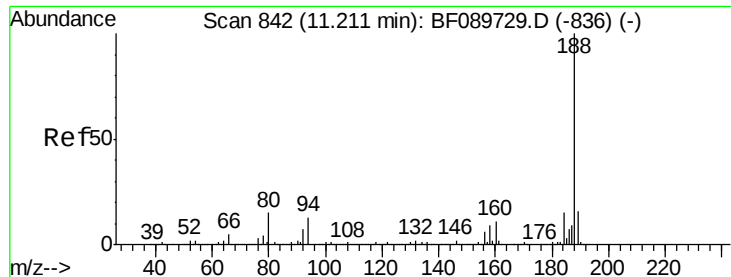
#44
 2-Fluorobiphenyl
 Concen: 71.94 ng
 RT: 9.07 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BF089747.D
 Acq: 17 Aug 2016 6:42

Tgt Ion:172 Resp: 6728685
 Ion Ratio Lower Upper
 172 100
 171 42.6 30.5 45.7
 170 30.2 20.6 31.0



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

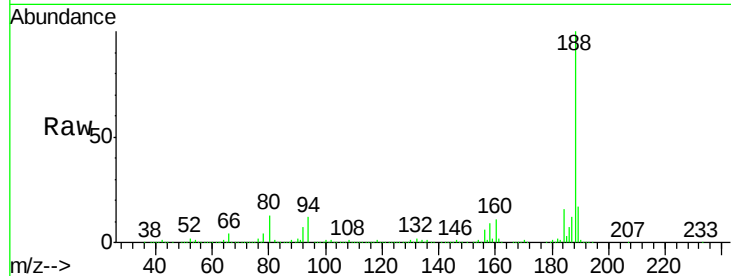




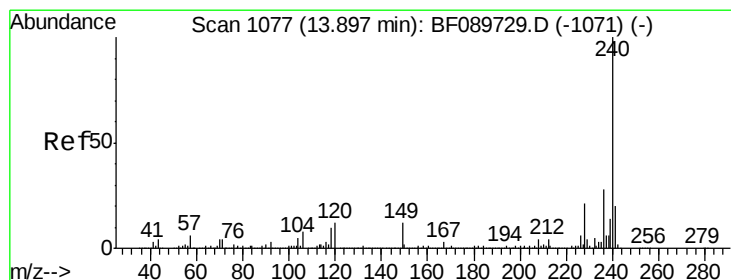
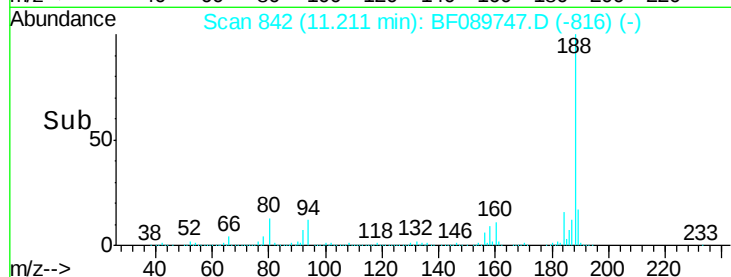
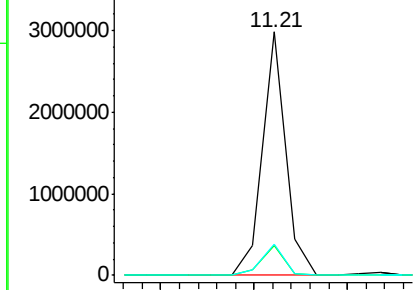
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF089747.D
Acq: 17 Aug 2016 6:42

Instrument :
BNA_F
ClientSampleId :
FB080416

Tot Ion:188 Resp: 2615776
Ion Ratio Lower Upper
188 100
94 12.4 10.2 15.2
80 12.8 10.9 16.3

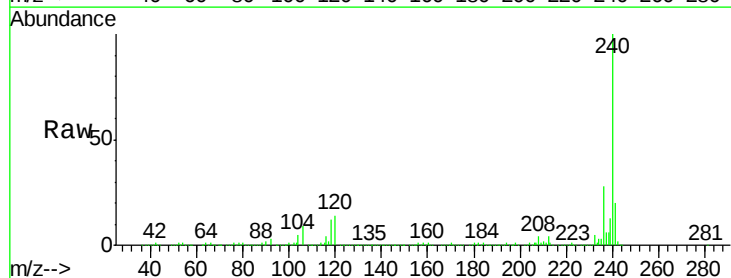


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

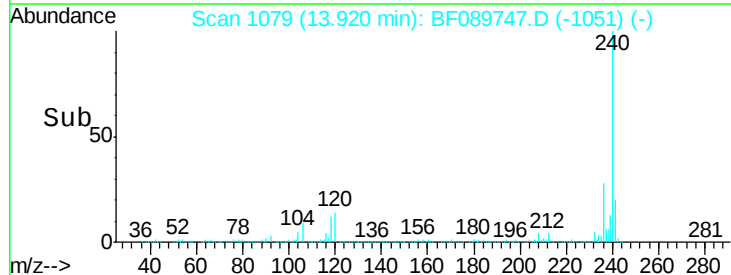
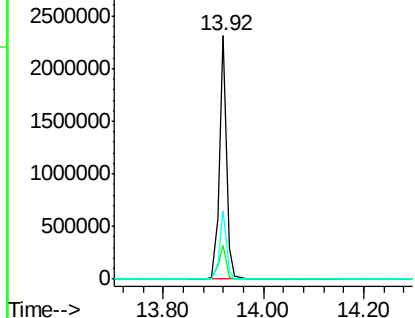


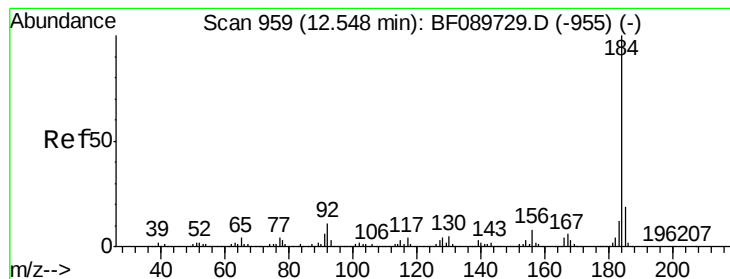
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 1079
Delta R.T. 0.02 min
Lab File: BF089747.D
Acq: 17 Aug 2016 6:42

Tgt Ion:240 Resp: 2246198
Ion Ratio Lower Upper
240 100
120 14.1 8.3 12.5#
236 28.1 21.3 31.9



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





#76

Benzidine

Concen: 9.99 ng

RT: 12.55 min Scan# 959

Delta R.T. 0.00 min

Lab File: BF089747.D

Acq: 17 Aug 2016 6:42

Instrument :

BNA_F

ClientSampleId :

FB080416

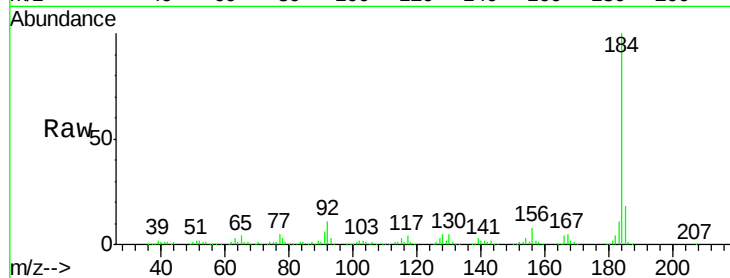
Tot Ion:184 Resp: 805503

Ion Ratio Lower Upper

184 100

185 17.9 13.8 20.8

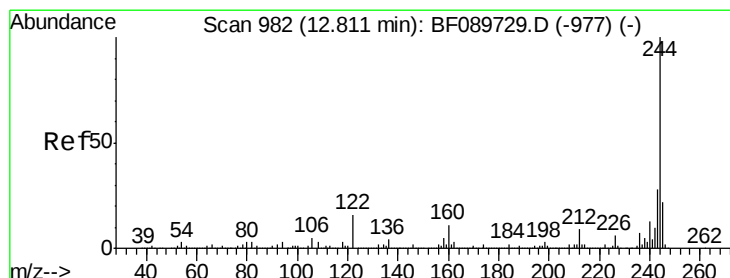
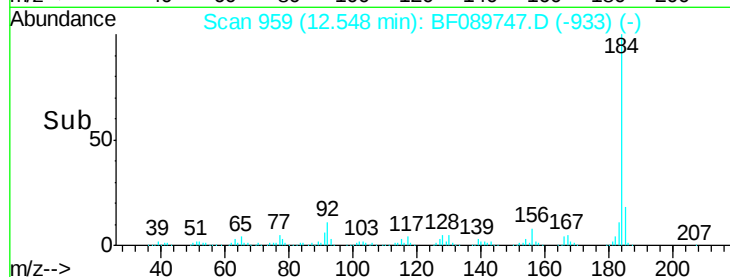
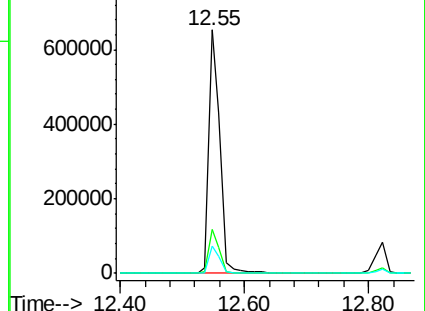
183 11.4 9.7 14.5



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 72.01 ng

RT: 12.82 min Scan# 983

Delta R.T. 0.01 min

Lab File: BF089747.D

Acq: 17 Aug 2016 6:42

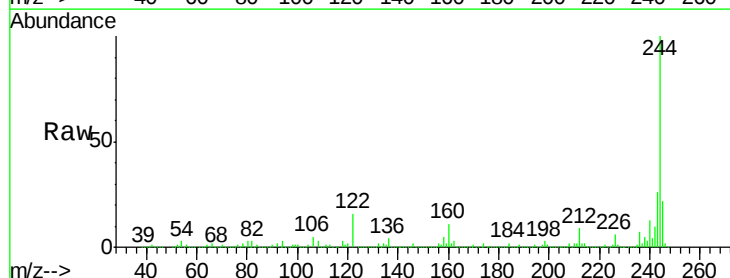
Tgt Ion:244 Resp: 5414320

Ion Ratio Lower Upper

244 100

212 9.3 6.3 9.5

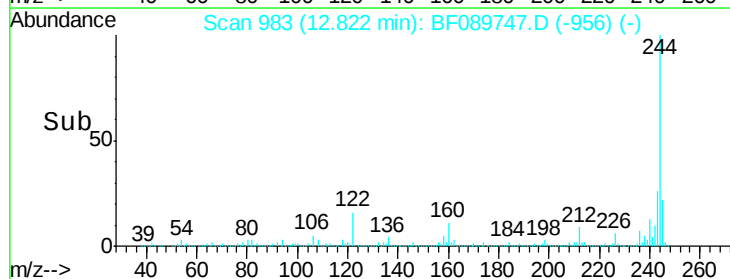
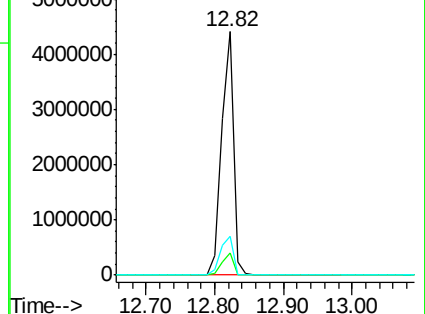
122 16.0 12.0 18.0

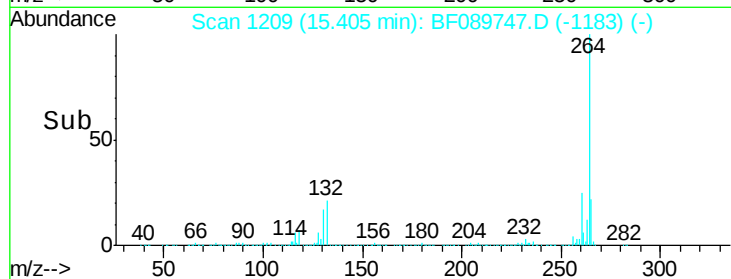
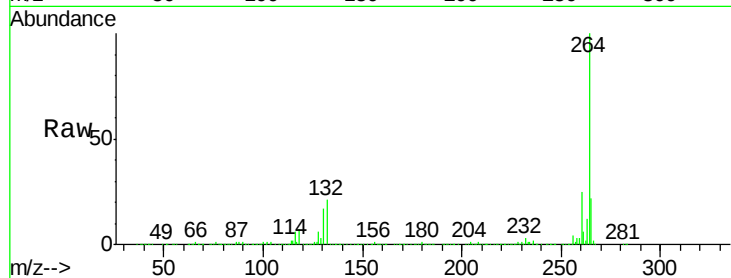
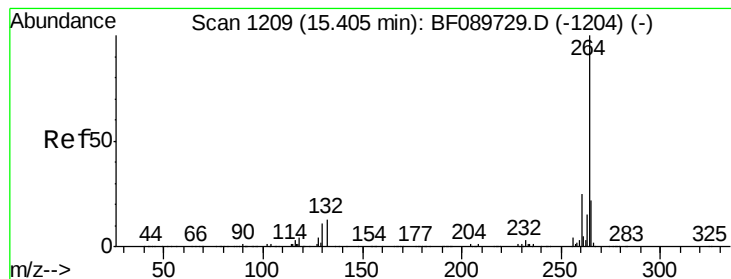


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1209

Delta R.T. 0.00 min

Lab File: BF089747.D

Acq: 17 Aug 2016 6:42

Instrument :

BNA_F

ClientSampleId :

FB080416

Tot Ion:264 Resp: 1888364

Ion Ratio Lower Upper

264 100

260 25.2 20.2 30.2

265 22.3 17.4 26.2

