

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080316\
 Data File : BF089587.D
 Acq On : 4 Aug 2016 12:56
 Operator : UM/SJ
 Sample : H4321-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-PAH

Quant Time: Aug 04 16:59:55 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 04 08:40:24 2016
 Response via : Initial Calibration

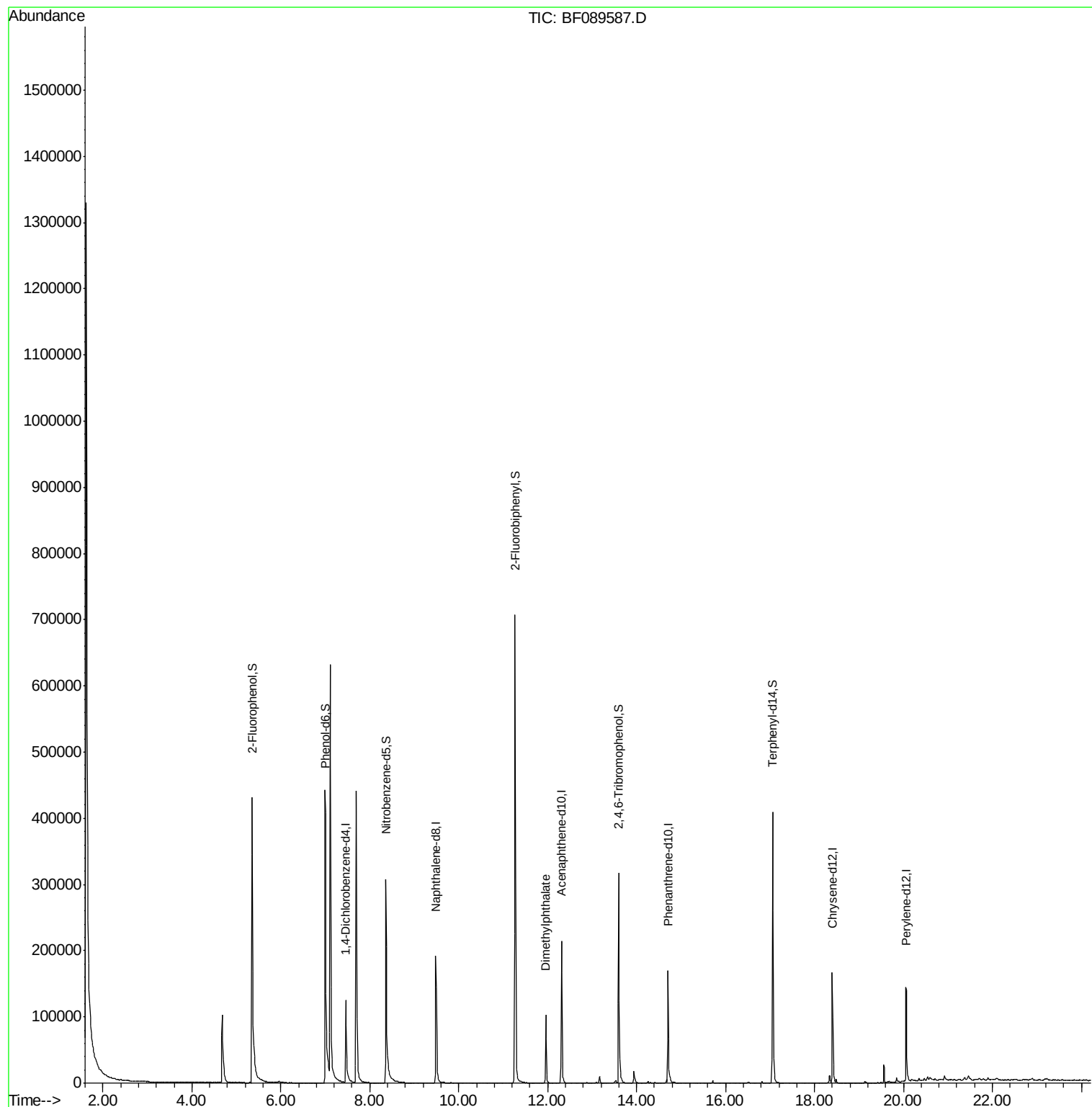
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	40051	20.00	ng	-0.01
21) Naphthalene-d8	9.48	136	161688	20.00	ng	-0.01
38) Acenaphthene-d10	12.31	164	69071	20.00	ng	-0.01
63) Phenanthrene-d10	14.71	188	106775	20.00	ng	-0.01
75) Chrysene-d12	18.40	240	86205	20.00	ng	-0.01
86) Perylene-d12	20.07	264	89518	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	264039	110.98	ng	0.01
7) Phenol-d6	7.00	99	345584	107.25	ng	0.00
23) Nitrobenzene-d5	8.36	82	206301	70.58	ng	-0.01
41) 2,4,6-Tribromophenol	13.60	330	48893	89.12	ng	-0.01
44) 2-Fluorobiphenyl	11.27	172	333241	62.66	ng	-0.01
78) Terphenyl-d14	17.06	244	184846	43.02	ng	-0.01
Target Compounds						
49) Dimethylphthalate	11.95	163	67973	12.85	ng	Qvalue 100

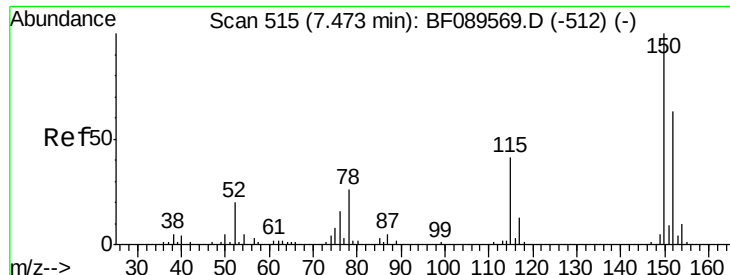
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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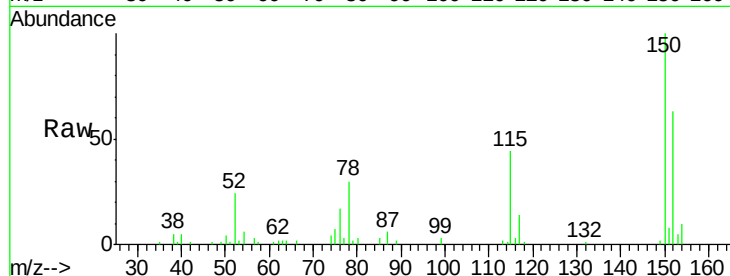




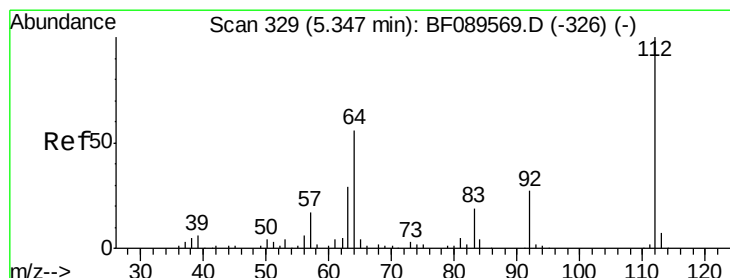
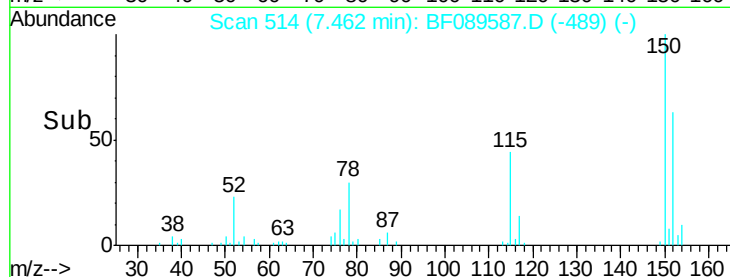
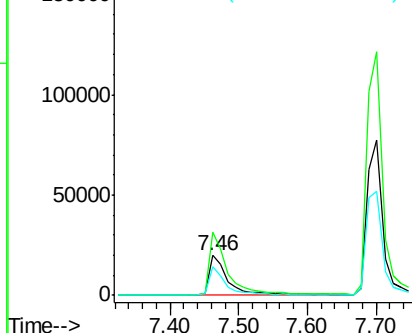
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.46 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: BF089587.D
 Acq: 4 Aug 2016 12:56

Instrument :
 BNA_F
 ClientSampleId :
 4-PAH

Tot Ion:152 Resp: 40051
 Ion Ratio Lower Upper
 152 100
 150 158.7 127.4 191.2
 115 70.2 51.8 77.8

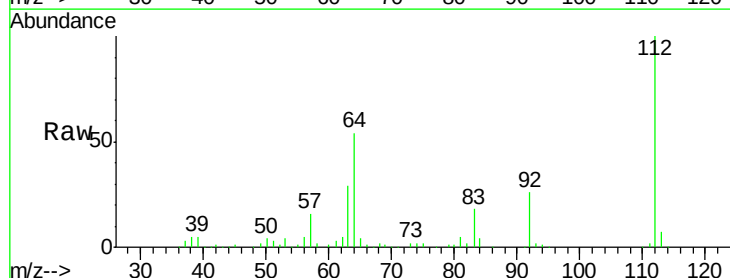


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

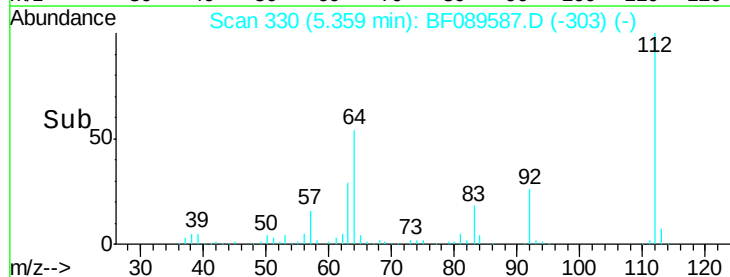
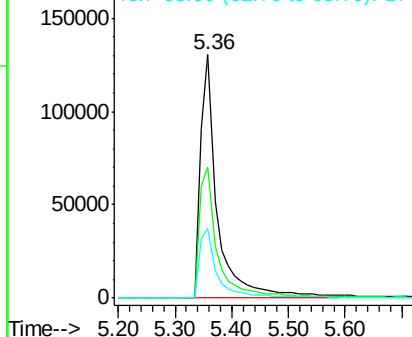


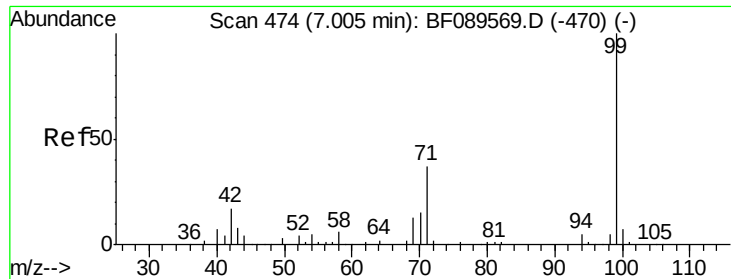
#5
 2-Fluorophenol
 Concen: 110.98 ng
 RT: 5.36 min Scan# 330
 Delta R.T. 0.01 min
 Lab File: BF089587.D
 Acq: 4 Aug 2016 12:56

Tgt Ion:112 Resp: 264039
 Ion Ratio Lower Upper
 112 100
 64 53.9 45.2 67.8
 63 28.8 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: 107.25 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.00 min

Lab File: BF089587.D

Acq: 4 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

4-PAH

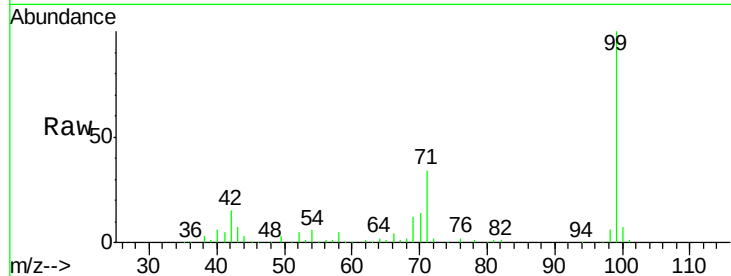
Tot Ion: 99 Resp: 345584

Ion Ratio Lower Upper

99 100

42 14.7 13.9 20.9

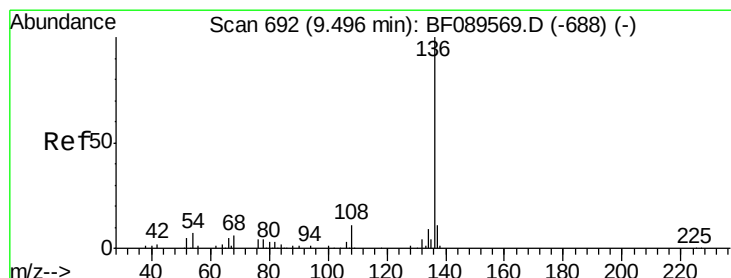
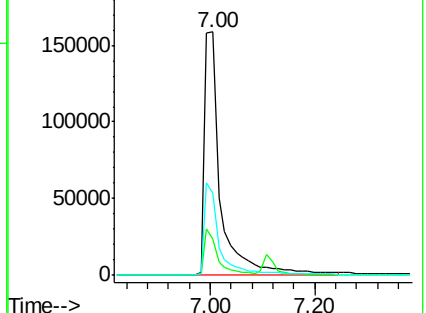
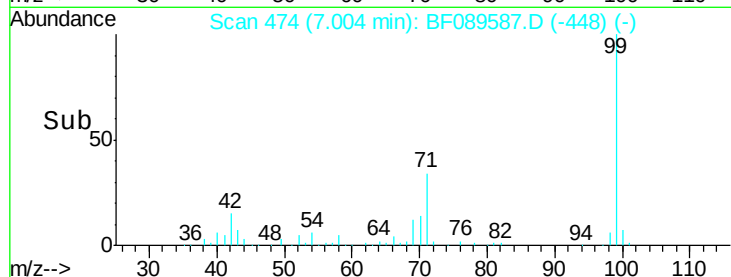
71 33.8 29.3 43.9



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: 9.48 min Scan# 691

Delta R.T. -0.01 min

Lab File: BF089587.D

Acq: 4 Aug 2016 12:56

Tgt Ion: 136 Resp: 161688

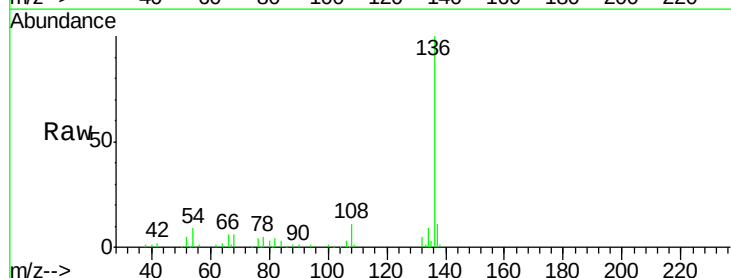
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 8.6 5.9 8.9

68 6.5 4.5 6.7

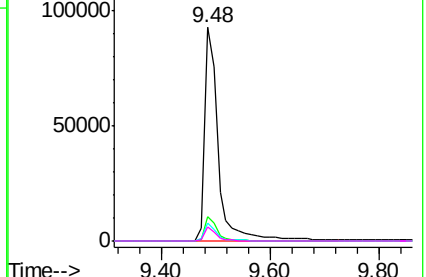
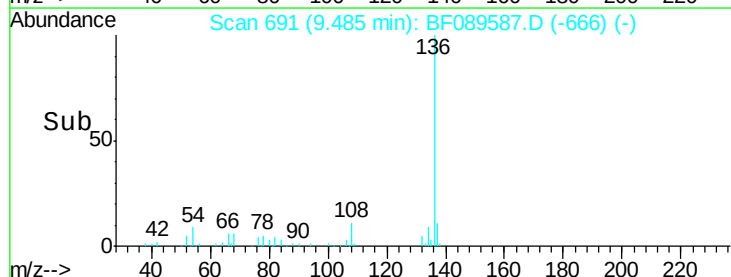


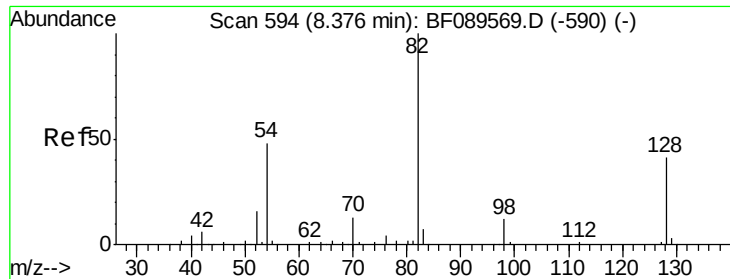
Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.58 ng

RT: 8.36 min Scan# 593

Delta R.T. -0.01 min

Lab File: BF089587.D

Acq: 4 Aug 2016 12:56

Instrument :

BNA_F

ClientSampled :

4-PAH

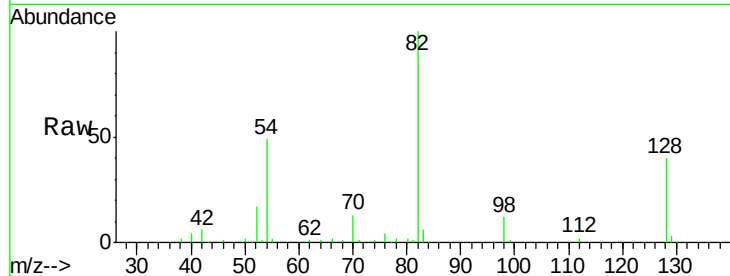
Tot Ion: 82 Resp: 206301

Ion Ratio Lower Upper

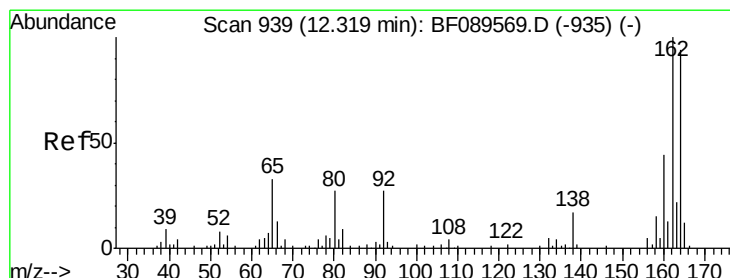
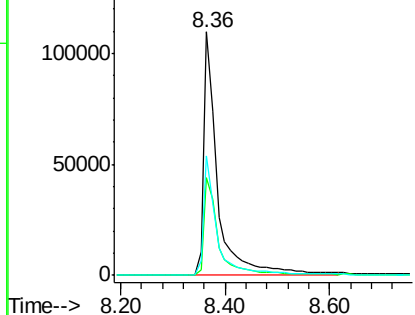
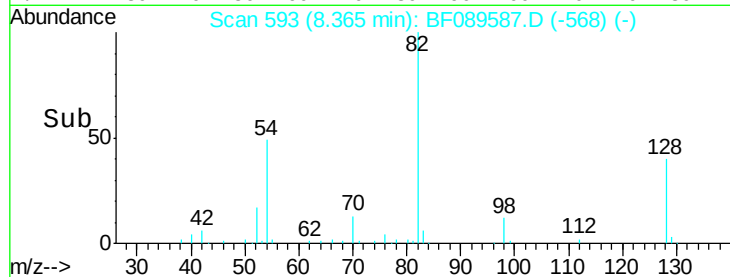
82 100

128 40.2 32.4 48.6

54 49.1 38.6 58.0



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: 12.31 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF089587.D

Acq: 4 Aug 2016 12:56

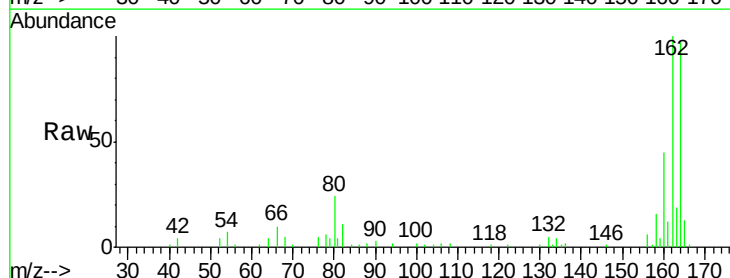
Tgt Ion:164 Resp: 69071

Ion Ratio Lower Upper

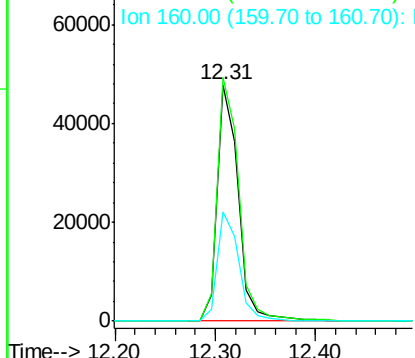
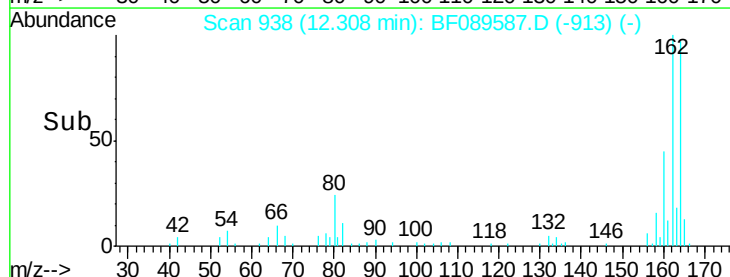
164 100

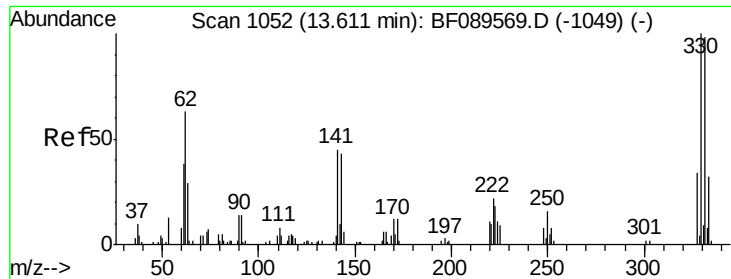
162 103.2 85.4 128.2

160 46.3 37.3 55.9



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

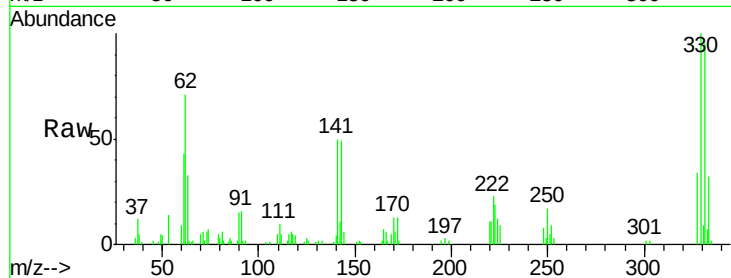




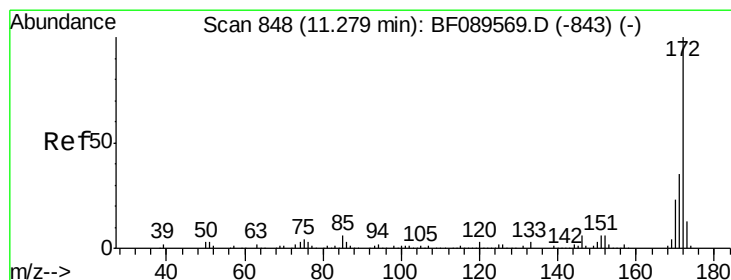
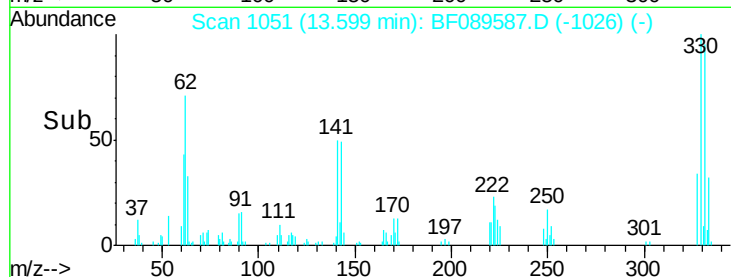
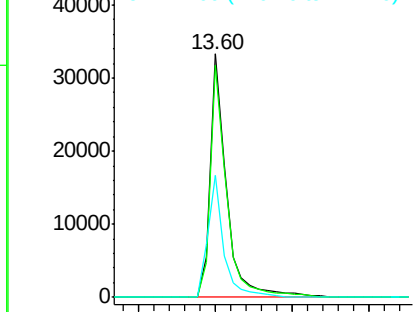
#41
 2,4,6-Tribromophenol
 Concen: 89.12 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF089587.D
 Acq: 4 Aug 2016 12:56

Instrument :
 BNA_F
 ClientSampleId :
 4-PAH

Tot Ion:330 Resp: 48893
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.7 115.1
 141 48.6 40.3 60.5

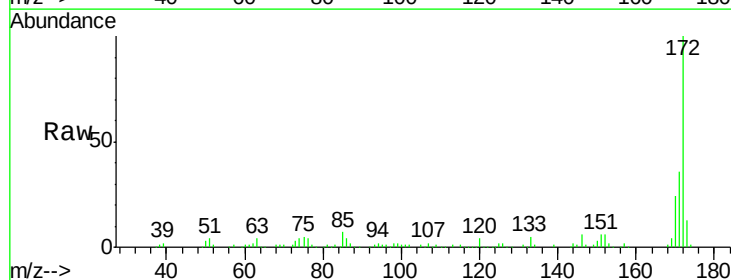


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

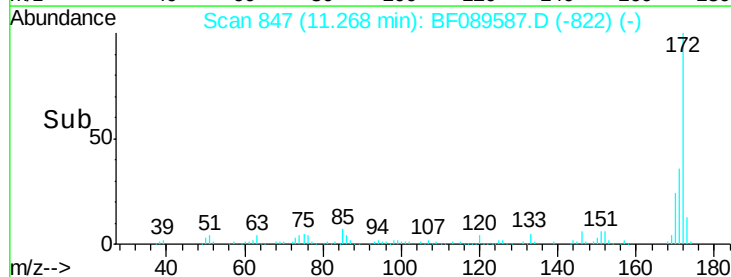
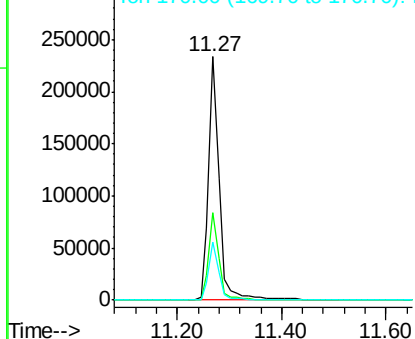


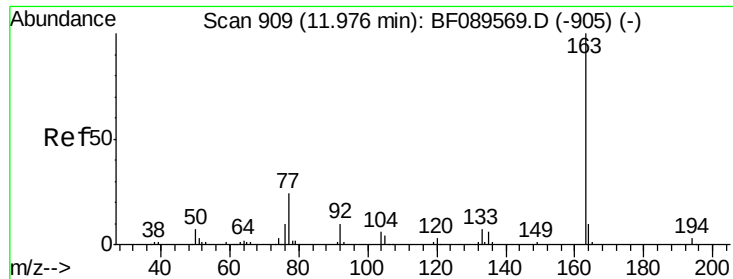
#44
 2-Fluorobiphenyl
 Concen: 62.66 ng
 RT: 11.27 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: BF089587.D
 Acq: 4 Aug 2016 12:56

Tgt Ion:172 Resp: 333241
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.1 42.1
 170 24.0 18.6 28.0



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





#49

Dimethylphthalate

Concen: 12.85 ng

RT: 11.95 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF089587.D

Acq: 4 Aug 2016 12:56

Instrument :

BNA_F

ClientSampleId :

4-PAH

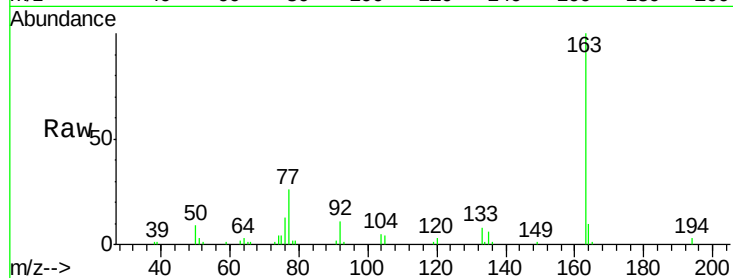
Tot Ion:163 Resp: 67973

Ion Ratio Lower Upper

163 100

194 3.0 2.4 3.6

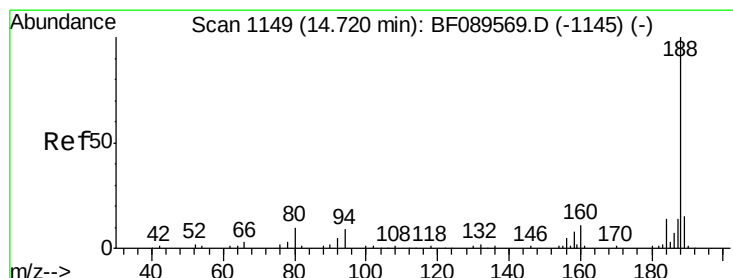
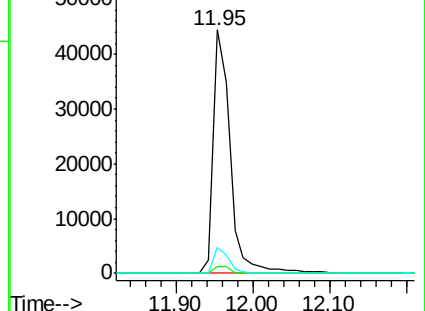
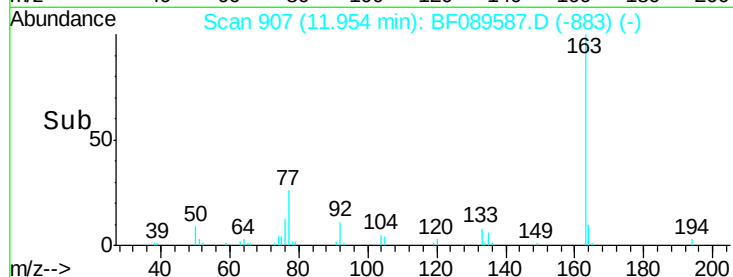
164 10.5 8.2 12.4



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.71 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF089587.D

Acq: 4 Aug 2016 12:56

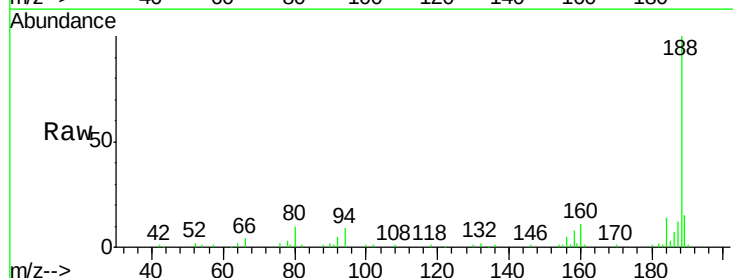
Tgt Ion:188 Resp: 106775

Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.4

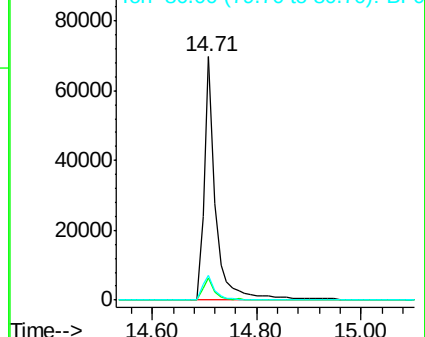
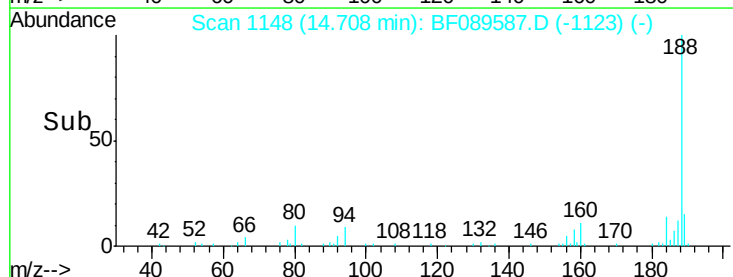
80 10.3 7.7 11.5

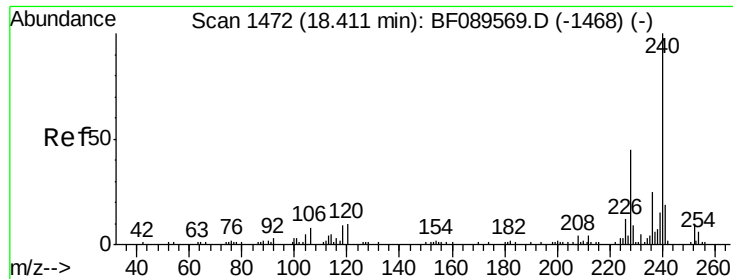


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

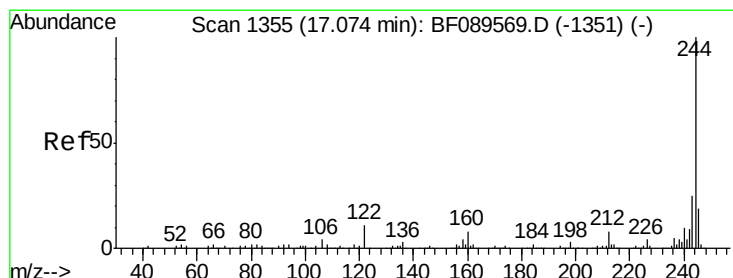
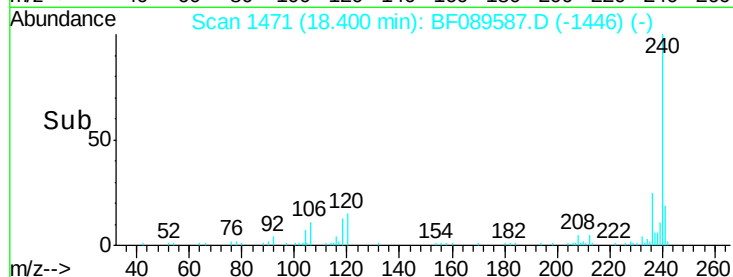
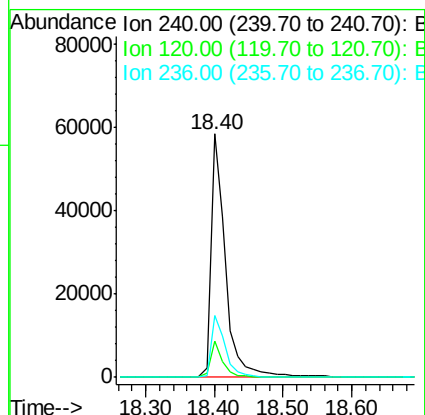
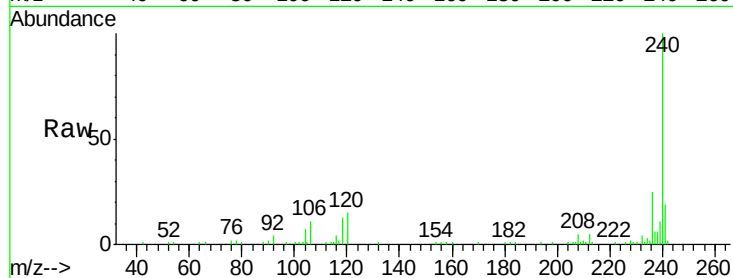




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.40 min Scan# 1471
Delta R.T. -0.01 min
Lab File: BF089587.D
Acq: 4 Aug 2016 12:56

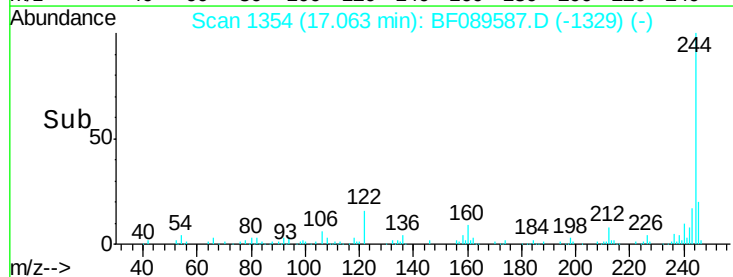
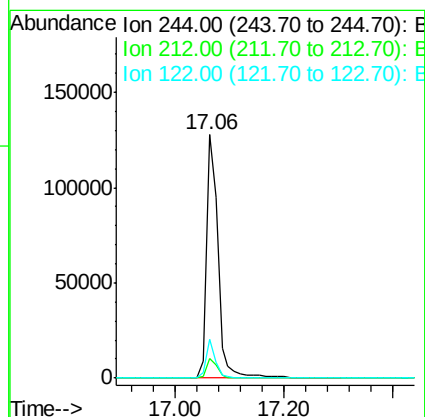
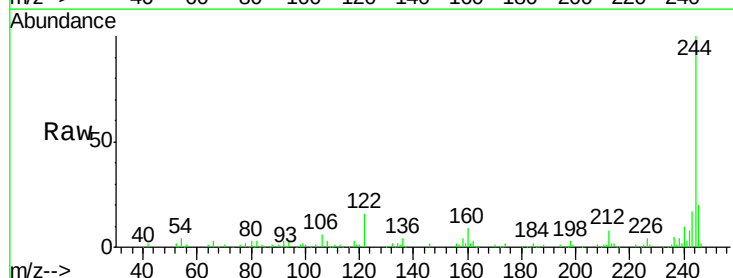
Instrument :
BNA_F
ClientSampleId :
4-PAH

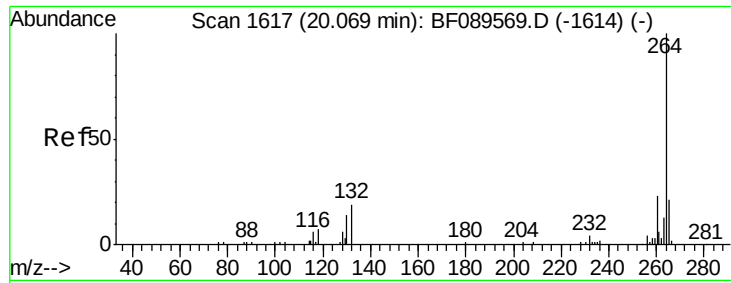
Tot Ion:240 Resp: 86205
Ion Ratio Lower Upper
240 100
120 14.7 8.2 12.2#
236 25.4 20.3 30.5



#78
Terphenyl-d14
Concen: 43.02 ng
RT: 17.06 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF089587.D
Acq: 4 Aug 2016 12:56

Tgt Ion:244 Resp: 184846
Ion Ratio Lower Upper
244 100
212 8.2 6.2 9.4
122 15.8 8.5 12.7#

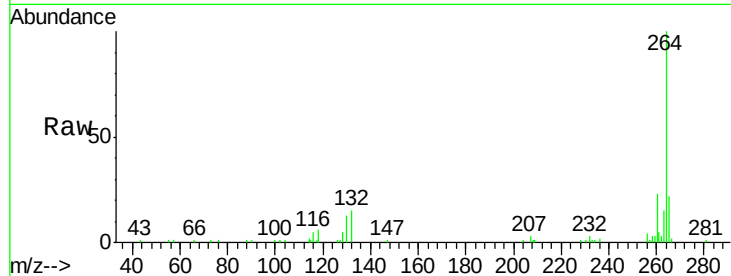




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.07 min Scan# 1617
Delta R.T. -0.00 min
Lab File: BF089587.D
Acq: 4 Aug 2016 12:56

Instrument :
BNA_F
ClientSampleId :
4-PAH

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.6	16.6	25.0



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

