

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080316\
 Data File : BF089584.D
 Acq On : 4 Aug 2016 11:01
 Operator : UM/SJ
 Sample : H4321-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-PAH

Quant Time: Aug 04 16:49:07 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

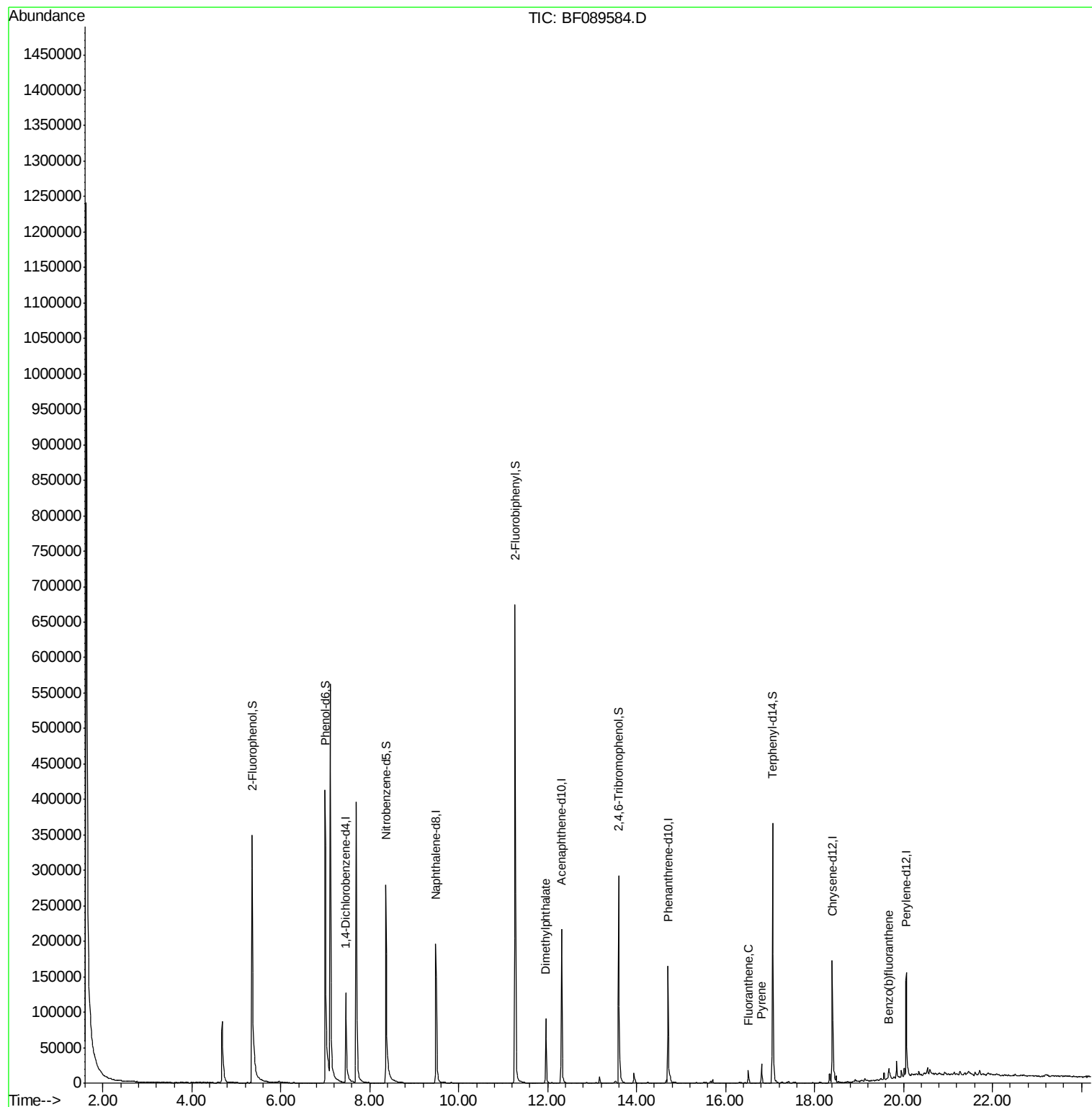
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	40852	20.00	ng	-0.01
21) Naphthalene-d8	9.48	136	166159	20.00	ng	-0.01
38) Acenaphthene-d10	12.31	164	70617	20.00	ng	-0.01
63) Phenanthrene-d10	14.71	188	104236	20.00	ng	-0.01
75) Chrysene-d12	18.40	240	81084	20.00	ng	-0.01
86) Perylene-d12	20.07	264	88124	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	232598	95.85	ng	0.01
7) Phenol-d6	6.99	99	311630	94.81	ng	-0.01
23) Nitrobenzene-d5	8.36	82	188717	62.83	ng	-0.01
41) 2,4,6-Tribromophenol	13.60	330	43892	78.25	ng	-0.01
44) 2-Fluorobiphenyl	11.27	172	306710	56.41	ng	-0.01
78) Terphenyl-d14	17.06	244	151852	37.58	ng	-0.01
Target Compounds						
49) Dimethylphthalate	11.95	163	61097	11.29	ng	Qvalue 100
74) Fluoranthene	16.51	202	13514	2.40	ng	99
77) Pyrene	16.81	202	17350	2.41	ng	96
87) Benzo(b)fluoranthene	19.67	252	11543m	2.14	ng	

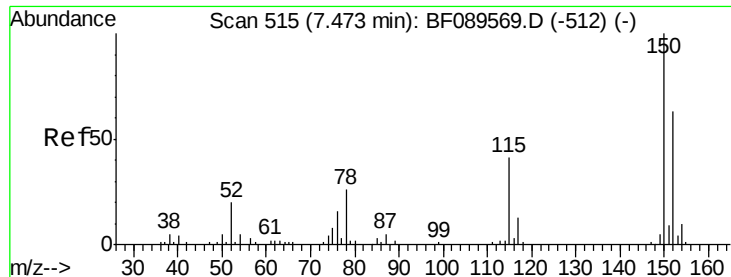
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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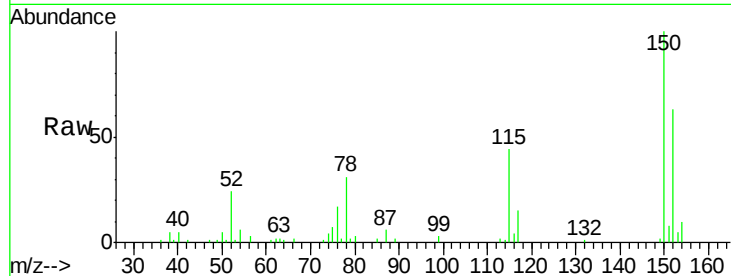


#1

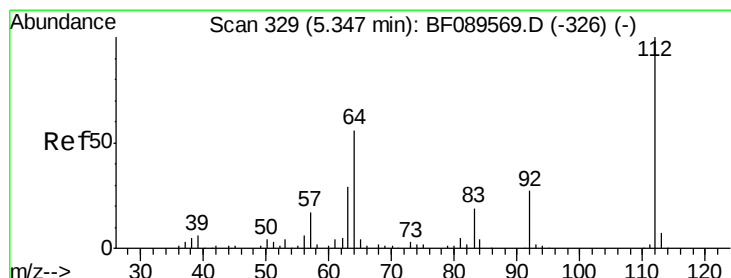
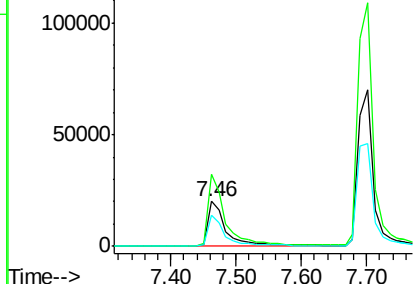
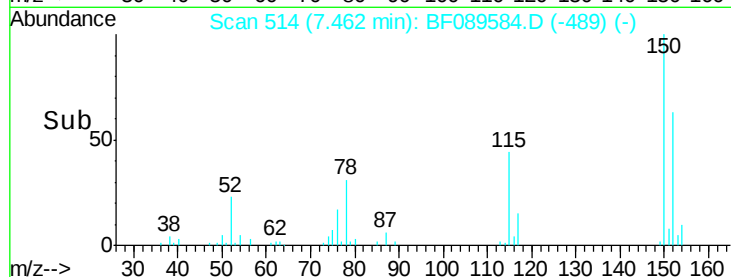
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.46 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF089584.D
Acq: 4 Aug 2016 11:01

Instrument :
BNA_F
ClientSampled :
1-PAH

Tot Ion:152 Resp: 40852
Ion Ratio Lower Upper
152 100
150 160.0 127.4 191.2
115 70.4 51.8 77.8



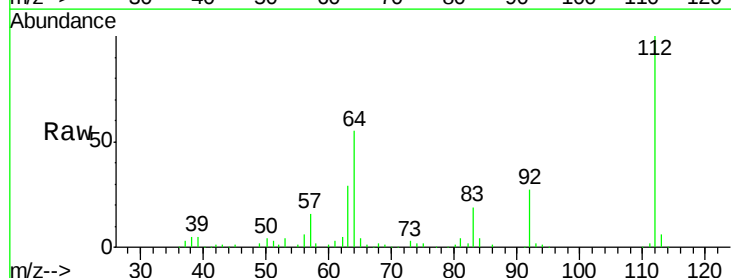
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



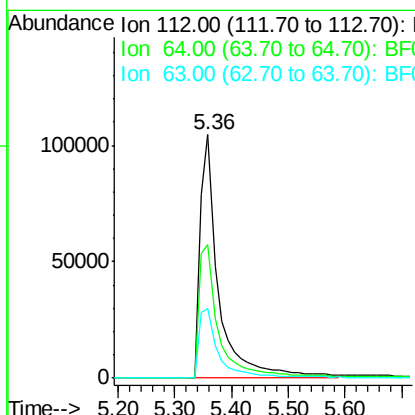
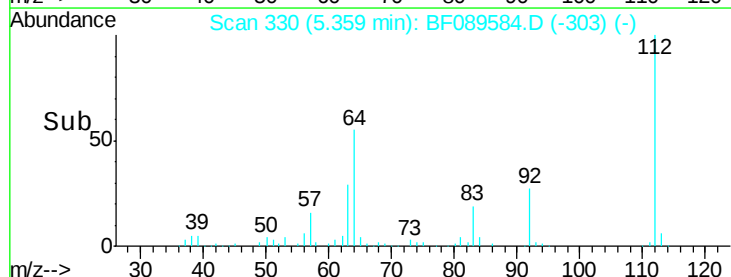
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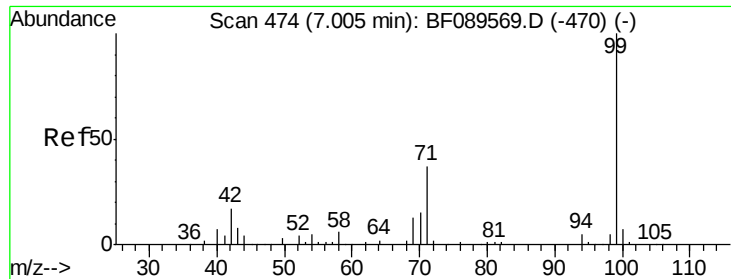
2-Fluorophenol
Concen: 95.85 ng
RT: 5.36 min Scan# 330
Delta R.T. 0.01 min
Lab File: BF089584.D
Acq: 4 Aug 2016 11:01

Tgt Ion:112 Resp: 232598
Ion Ratio Lower Upper
112 100
64 54.9 45.2 67.8
63 28.7 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: 94.81 ng

RT: 6.99 min Scan# 473

Delta R.T. -0.01 min

Lab File: BF089584.D

Acq: 4 Aug 2016 11:01

Instrument :

BNA_F

ClientSampleId :

1-PAH

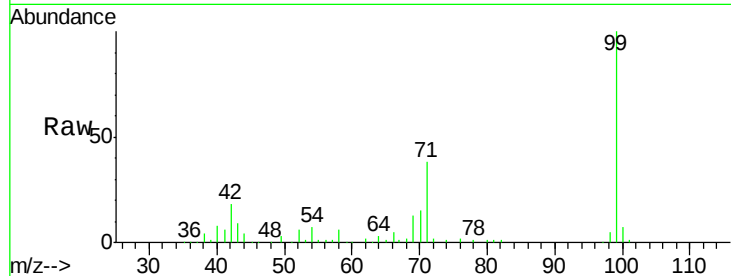
Tot Ion: 99 Resp: 311630

Ion Ratio Lower Upper

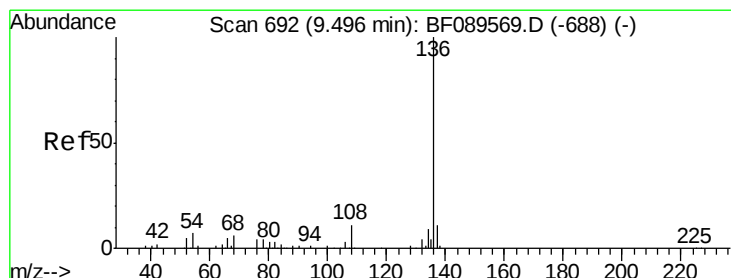
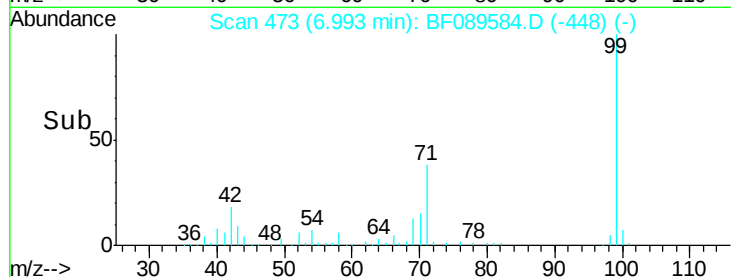
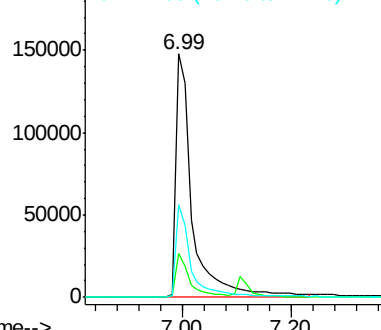
99 100

42 18.3 13.9 20.9

71 37.8 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: BF089584.D

Acq: 4 Aug 2016 11:01

Tgt Ion: 136 Resp: 166159

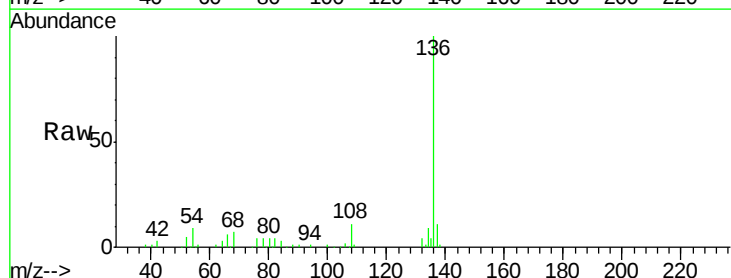
Ion Ratio Lower Upper

136 100

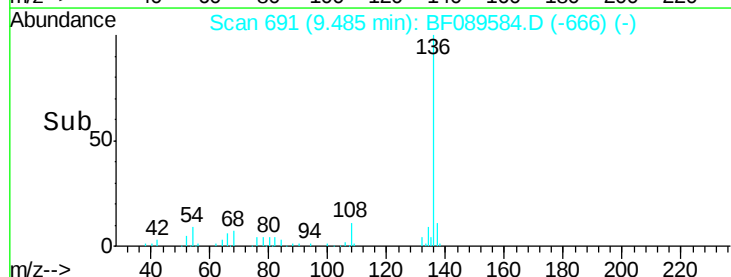
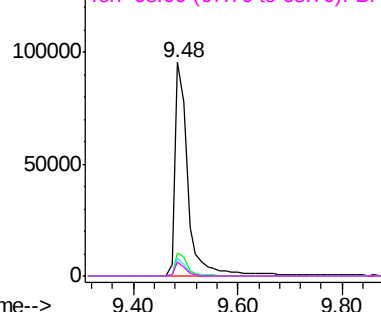
137 11.0 8.8 13.2

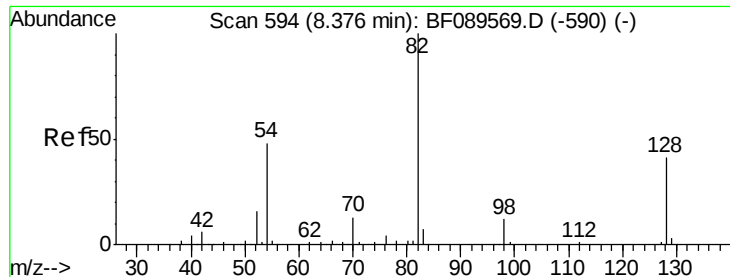
54 8.7 5.9 8.9

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

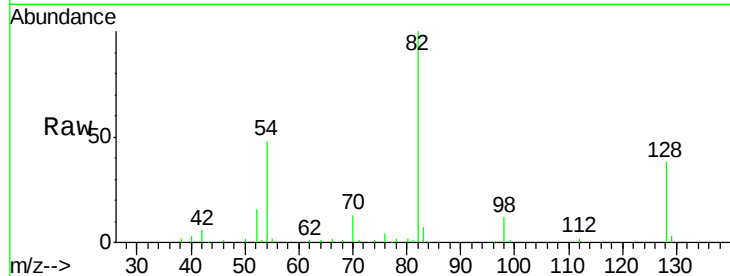




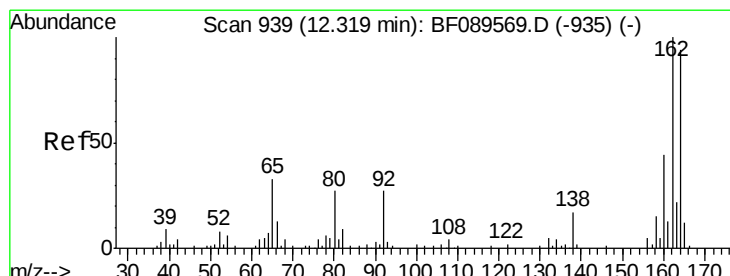
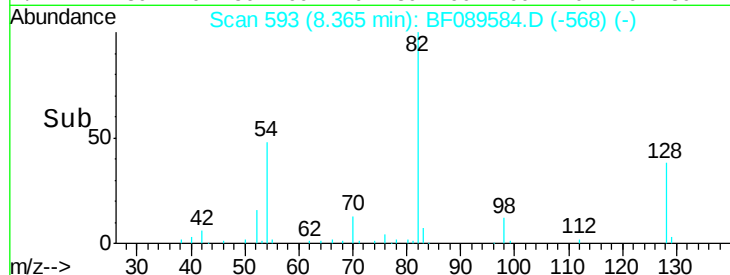
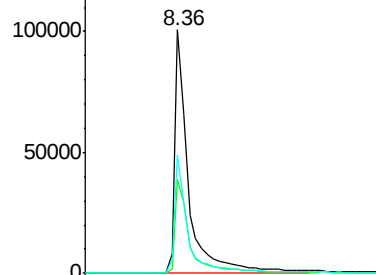
#23
 Nitrobenzene-d5
 Concen: 62.83 ng
 RT: 8.36 min Scan# 593
 Delta R.T. -0.01 min
 Lab File: BF089584.D
 Acq: 4 Aug 2016 11:01

Instrument :
 BNA_F
 ClientSampleId :
 1-PAH

Tot Ion	82	Resp	188717
Ion Ratio	Lower	Upper	
82	100		
128	38.5	32.4	48.6
54	48.4	38.6	58.0

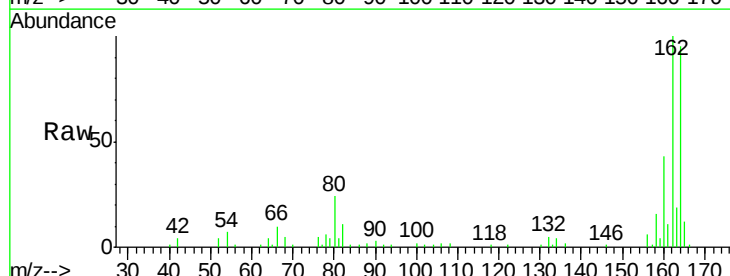


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

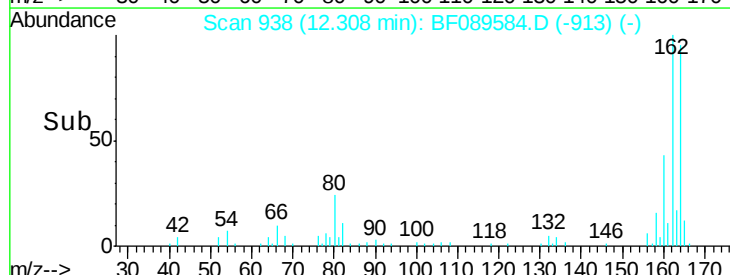
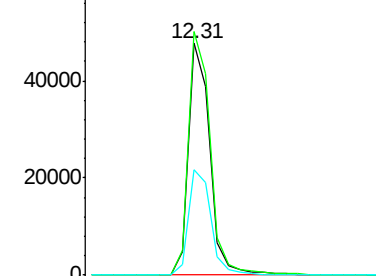


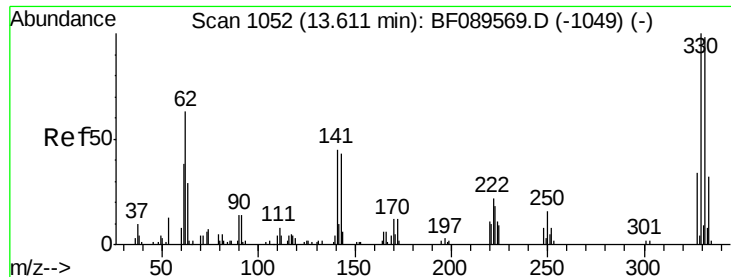
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.31 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BF089584.D
 Acq: 4 Aug 2016 11:01

Tgt Ion	164	Resp	70617
Ion Ratio	Lower	Upper	
164	100		
162	105.1	85.4	128.2
160	45.7	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

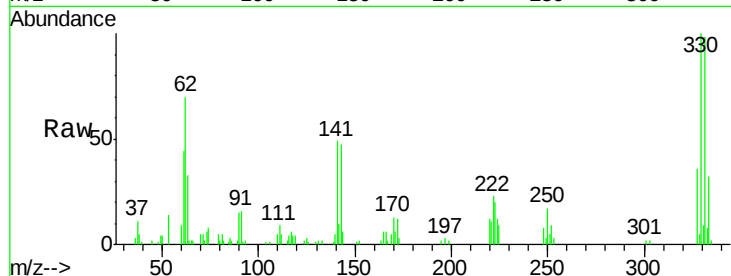




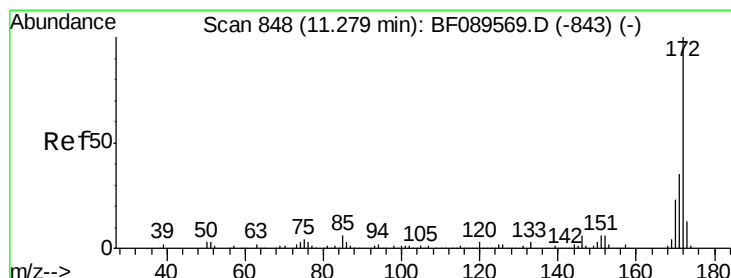
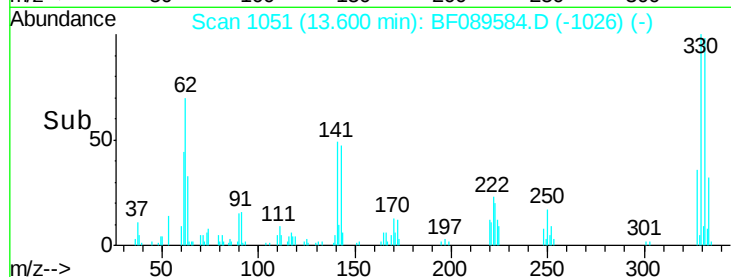
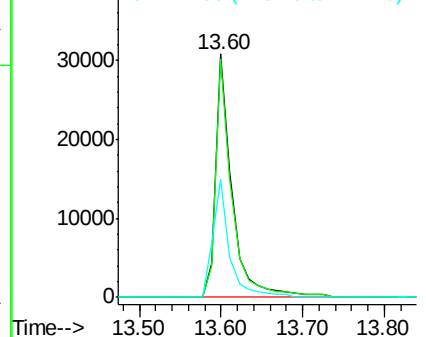
#41
 2,4,6-Tribromophenol
 Concen: 78.25 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF089584.D
 Acq: 4 Aug 2016 11:01

Instrument :
 BNA_F
 ClientSampleId :
 1-PAH

Tot Ion:330 Resp: 43892
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.7 115.1
 141 49.4 40.3 60.5

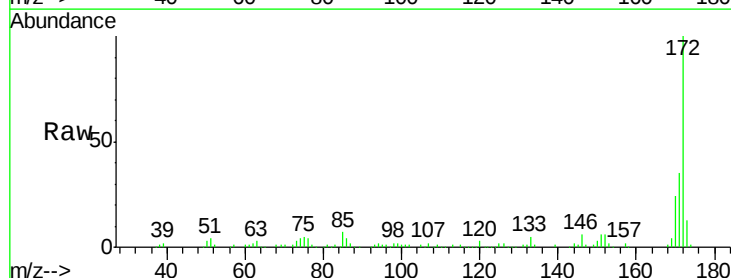


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

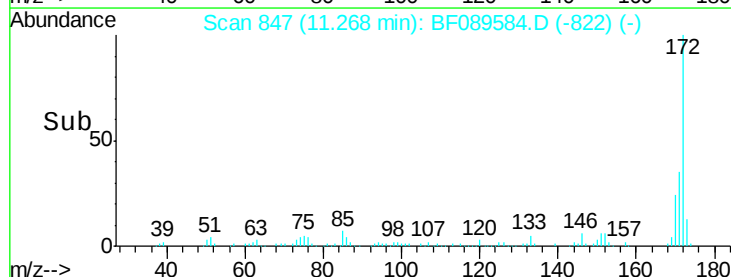
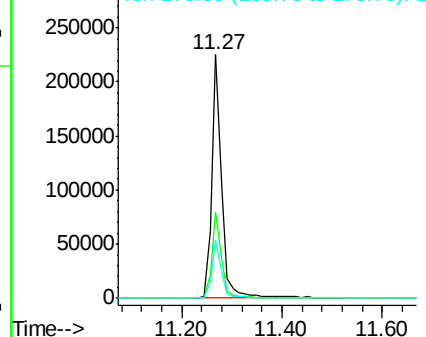


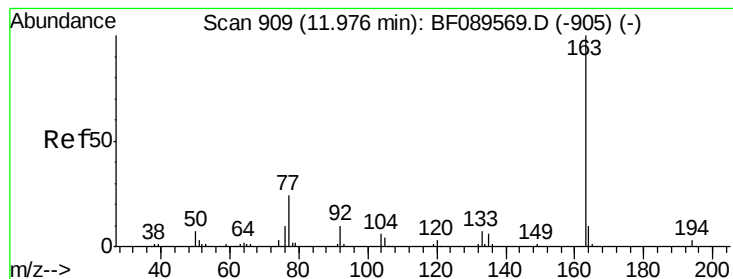
#44
 2-Fluorobiphenyl
 Concen: 56.41 ng
 RT: 11.27 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: BF089584.D
 Acq: 4 Aug 2016 11:01

Tgt Ion:172 Resp: 306710
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.1 42.1
 170 23.6 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: 11.29 ng

RT: 11.95 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF089584.D

Acq: 4 Aug 2016 11:01

Instrument :

BNA_F

ClientSampleId :

1-PAH

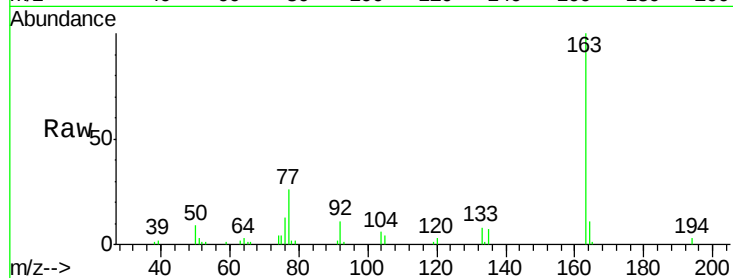
Tot Ion:163 Resp: 61097

Ion Ratio Lower Upper

163 100

194 3.1 2.4 3.6

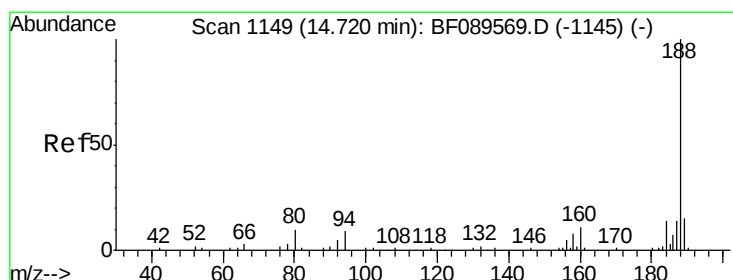
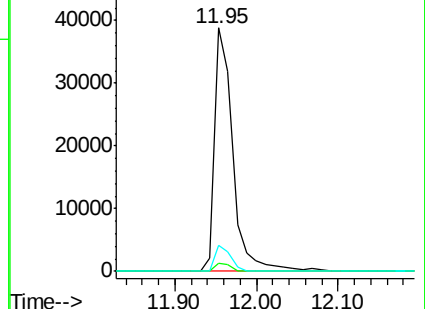
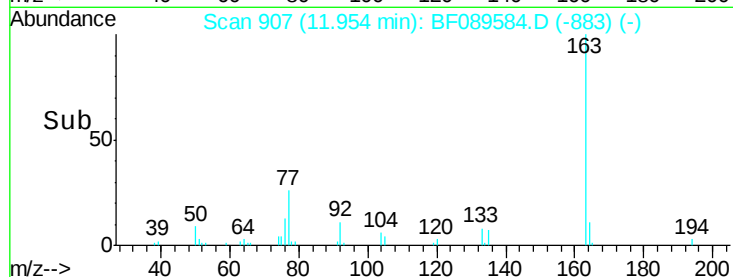
164 10.5 8.2 12.4



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: BF089584.D

Acq: 4 Aug 2016 11:01

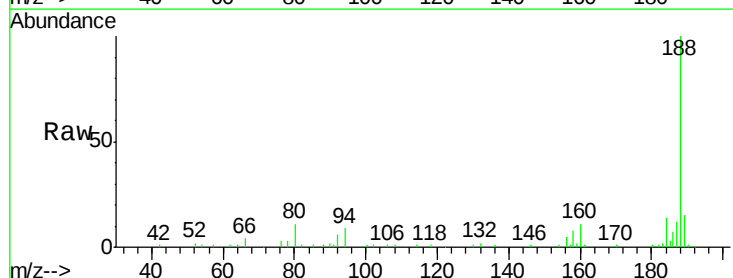
Tgt Ion:188 Resp: 104236

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.4

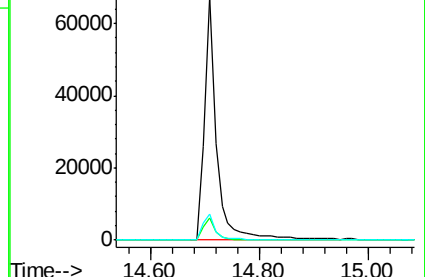
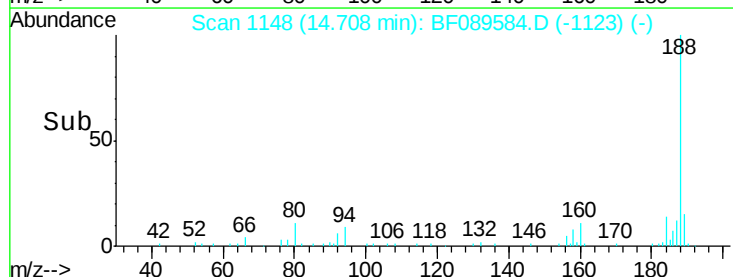
80 10.6 7.7 11.5

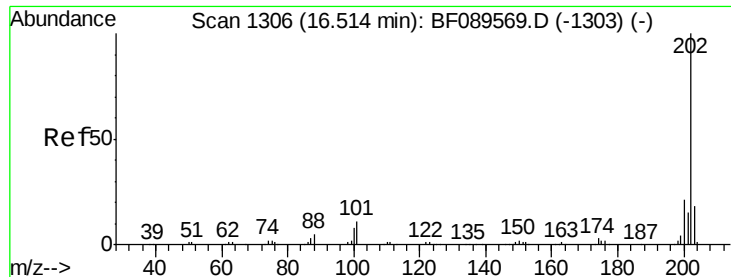


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

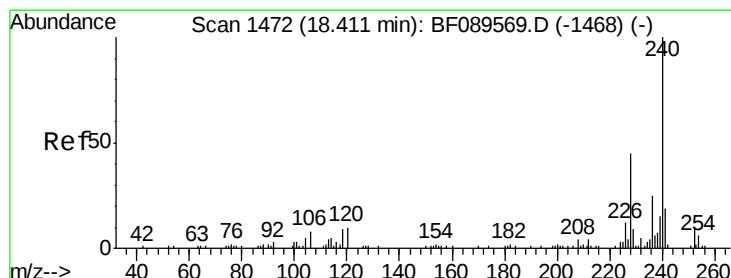
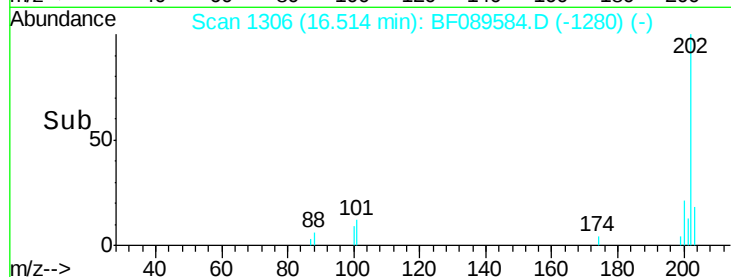
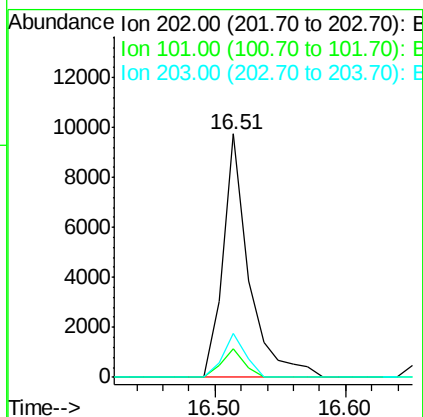
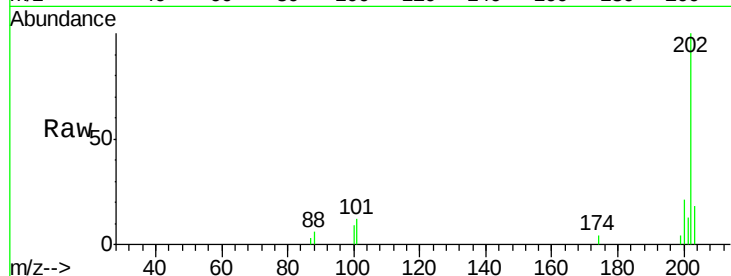




#74
Fluoranthene
Concen: 2.40 ng
RT: 16.51 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF089584.D
Acq: 4 Aug 2016 11:01

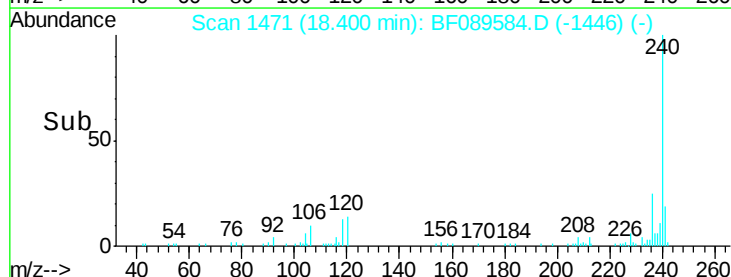
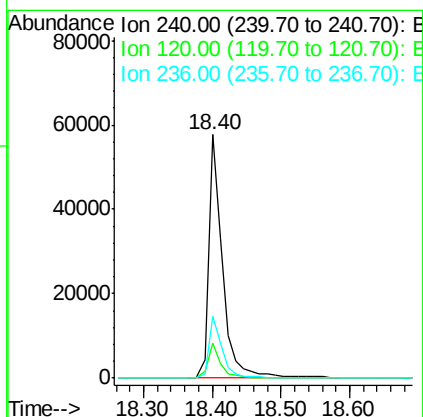
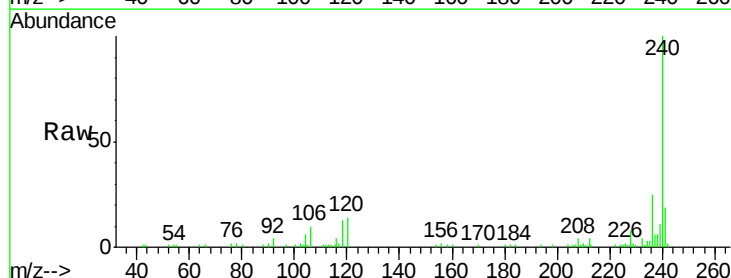
Instrument :
BNA_F
ClientSampleId :
1-PAH

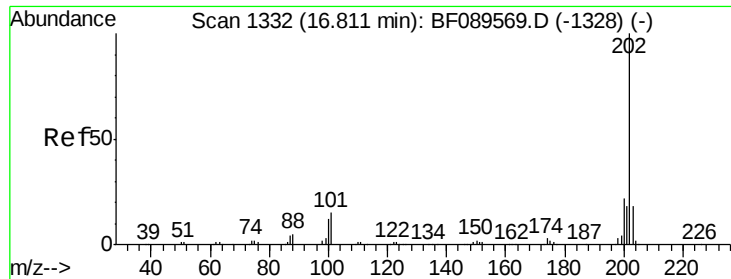
Tot Ion:202 Resp: 13514
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.0
203 18.1 0.0 37.7



#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.40 min Scan# 1471
Delta R.T. -0.01 min
Lab File: BF089584.D
Acq: 4 Aug 2016 11:01

Tgt Ion:240 Resp: 81084
Ion Ratio Lower Upper
240 100
120 14.5 8.2 12.2#
236 25.2 20.3 30.5

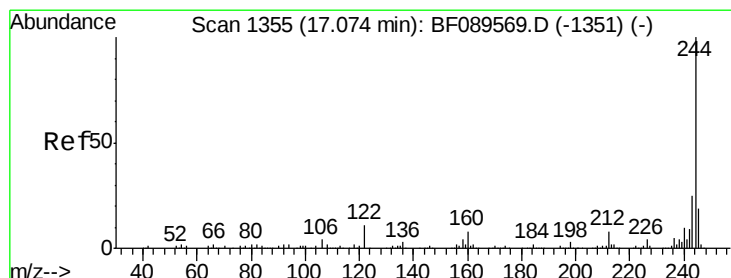
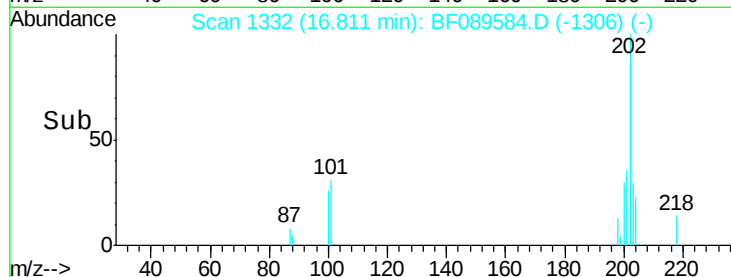
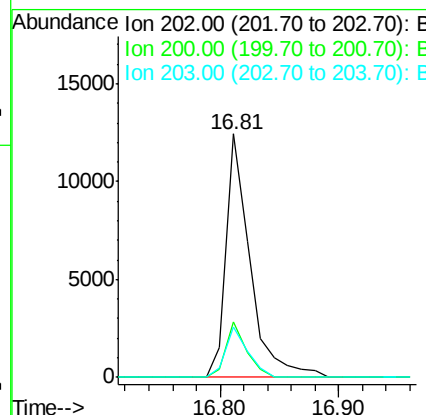
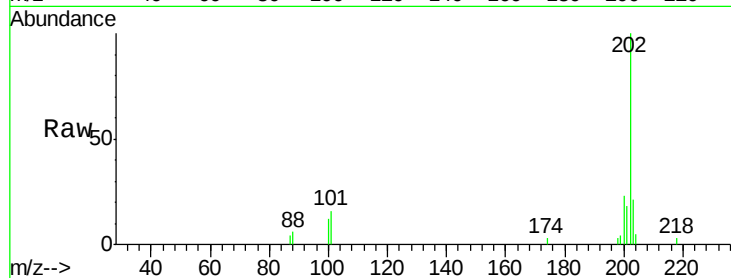




#77
Pvrene
Concen: 2.41 ng
RT: 16.81 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF089584.D
Acq: 4 Aug 2016 11:01

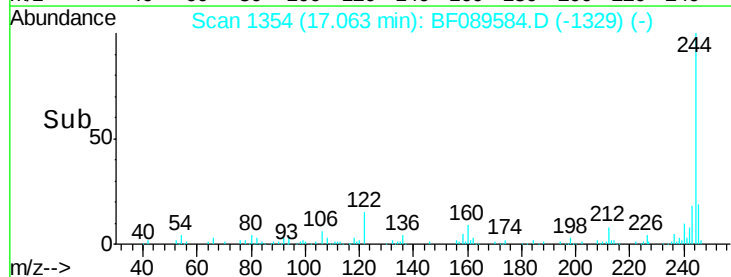
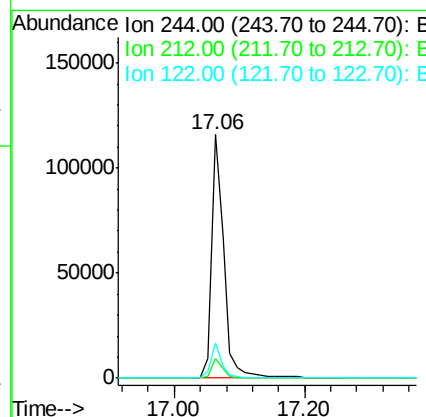
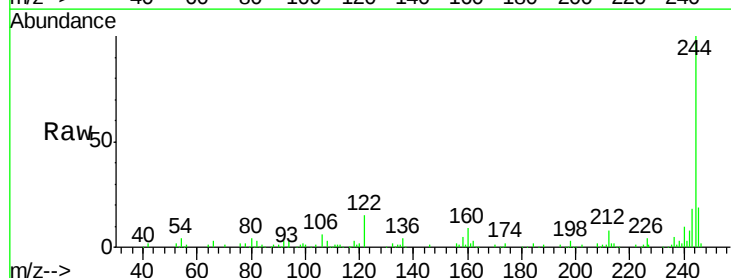
Instrument :
BNA_F
ClientSampleId :
1-PAH

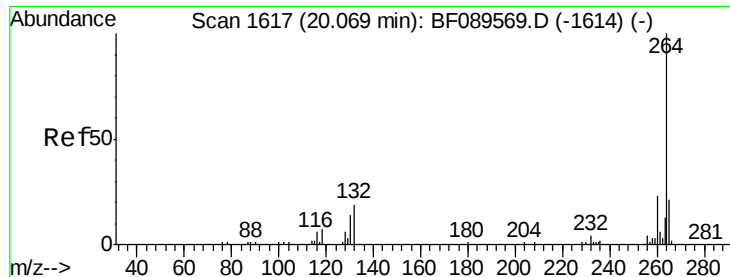
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.2	25.8
203	20.7	14.2	21.2



#78
Terphenyl-d14
Concen: 37.58 ng
RT: 17.06 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF089584.D
Acq: 4 Aug 2016 11:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.4
122	14.6	8.5	12.7

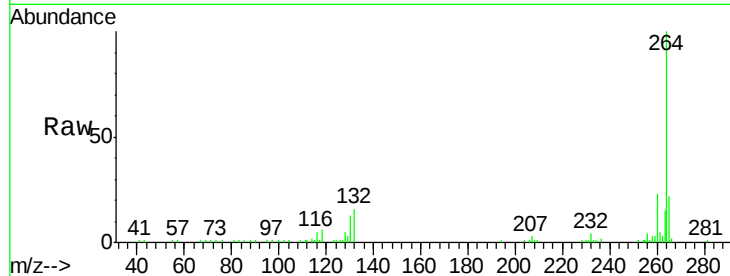




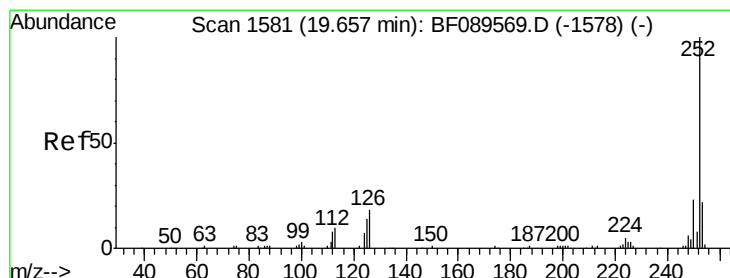
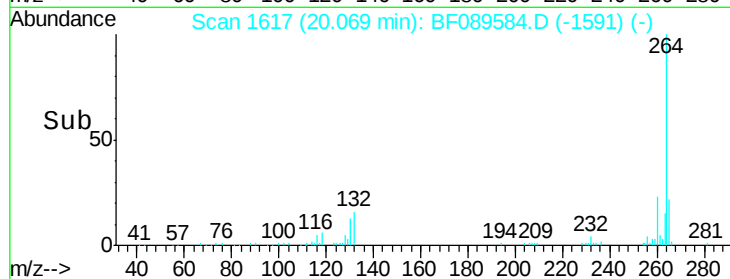
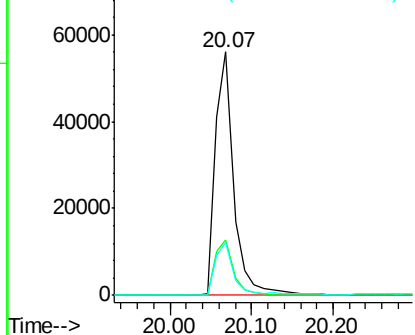
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.07 min Scan# 1617
Delta R.T. 0.00 min
Lab File: BF089584.D
Acq: 4 Aug 2016 11:01

Instrument :
BNA_F
ClientSampleId :
1-PAH

Tot Ion:264 Resp: 88124
Ion Ratio Lower Upper
264 100
260 23.0 18.5 27.7
265 21.5 16.6 25.0

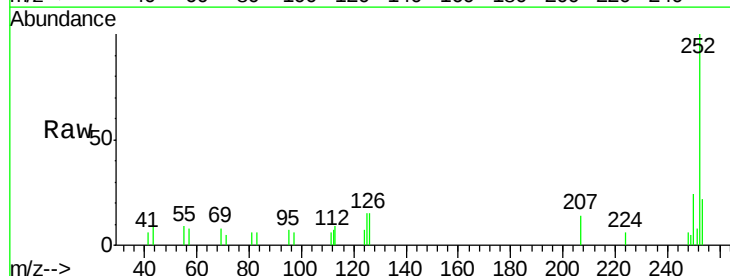


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 2.14 ng m
RT: 19.67 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BF089584.D
Acq: 4 Aug 2016 11:01

Tgt Ion:252 Resp: 11543
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 14.8 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

