

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
 Data File : BF111361.D
 Acq On : 13 Dec 2018 10:50
 Operator : JU/SJ
 Sample : J6193-10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-E

Quant Time: Dec 13 16:21:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

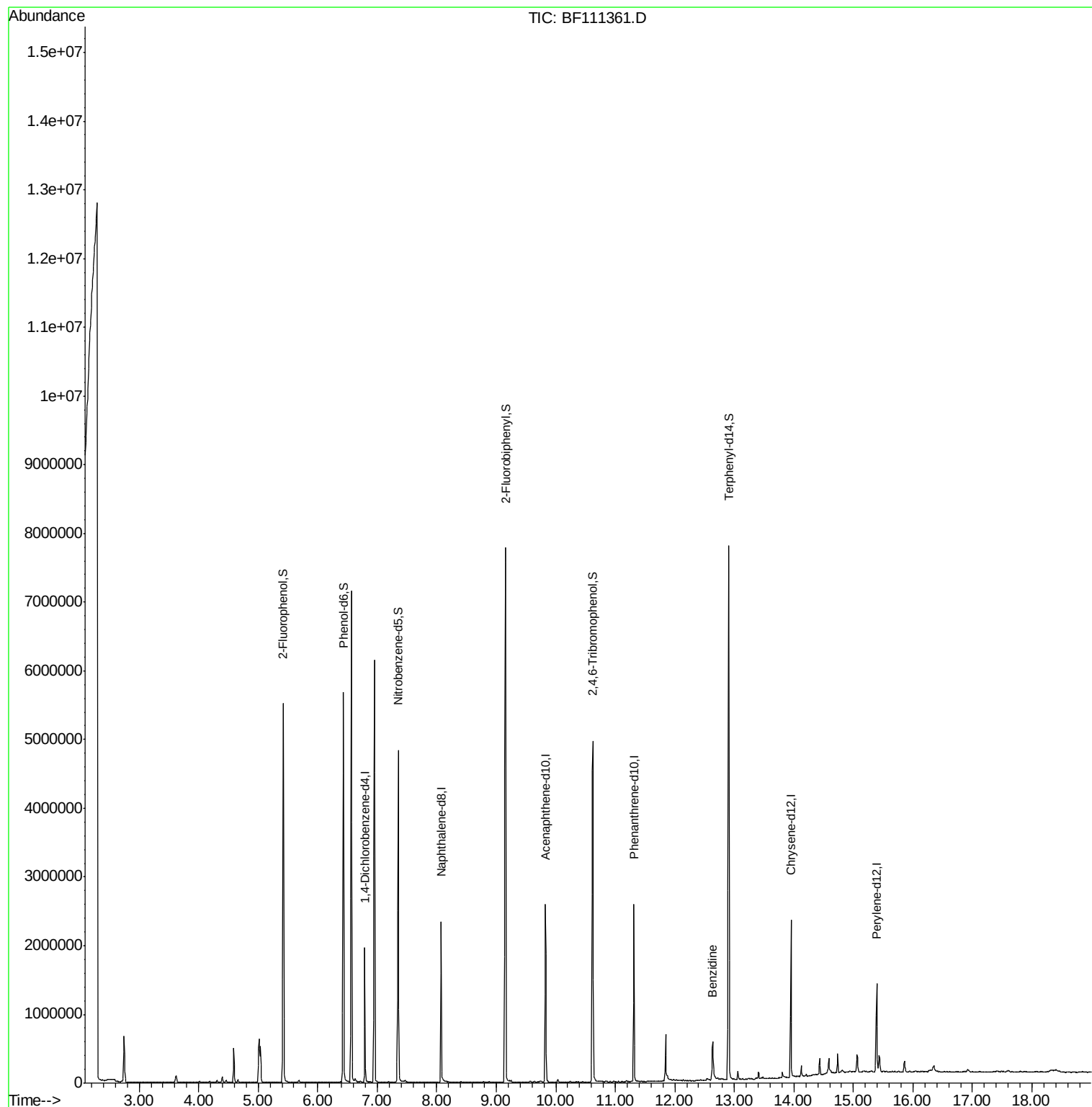
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	254377	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1035112	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	504856	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	966698	20.00	ng	0.00
76) Chrysene-d12	13.95	240	796998	20.00	ng	0.00
87) Perylene-d12	15.39	264	611514	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1761813	117.12	ng	0.02
7) Phenol-d6	6.43	99	1986965	97.97	ng	0.00
23) Nitrobenzene-d5	7.36	82	1645569	89.60	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	645337	145.01	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2824009	89.81	ng	0.00
79) Terphenyl-d14	12.91	244	3158124	87.21	ng	0.00
Target Compounds						
77) Benzidine	12.64	184	117145	7.789	ng	98

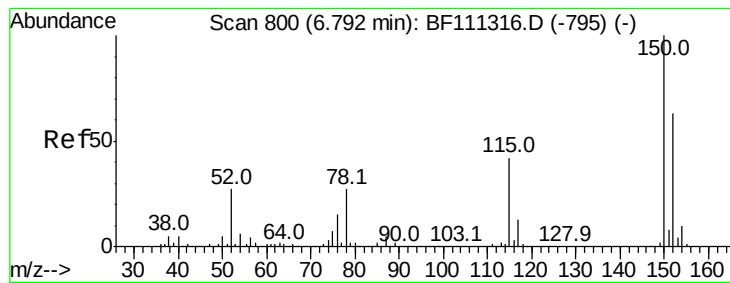
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 12 13:16:52 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

Instrument :

BNA_F

ClientSampleId :

CL-01-121018-E

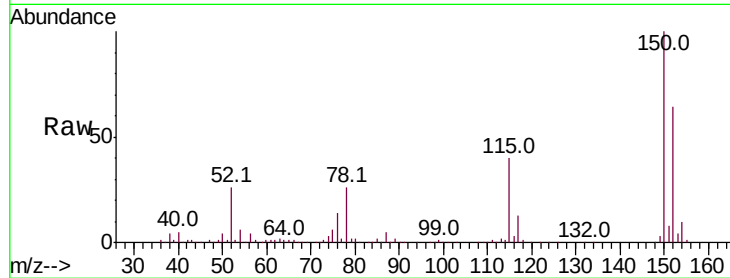
Tot Ion:152 Resp: 254377

Ion Ratio Lower Upper

152 100

150 156.2 126.6 189.8

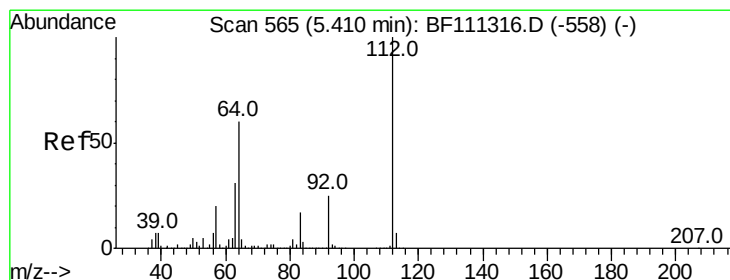
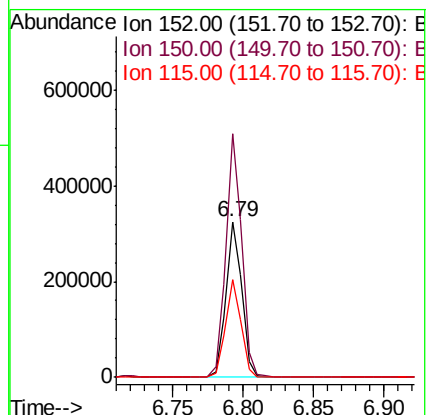
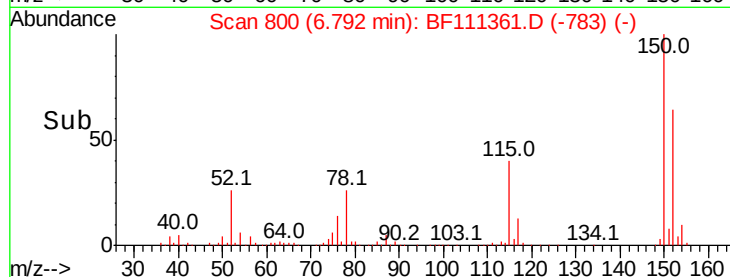
115 62.5 50.7 76.1



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: 117.121 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.02 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

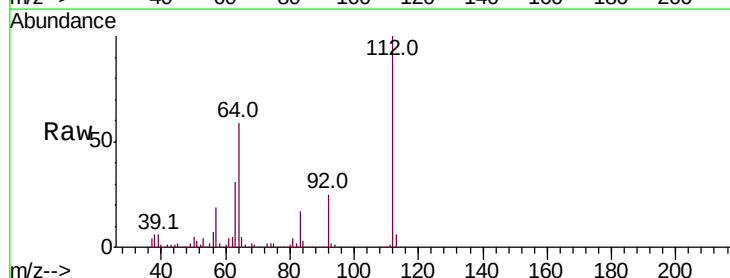
Tgt Ion:112 Resp: 1761813

Ion Ratio Lower Upper

112 100

64 58.8 51.8 77.6

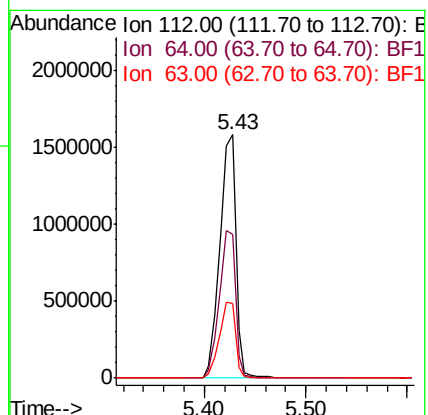
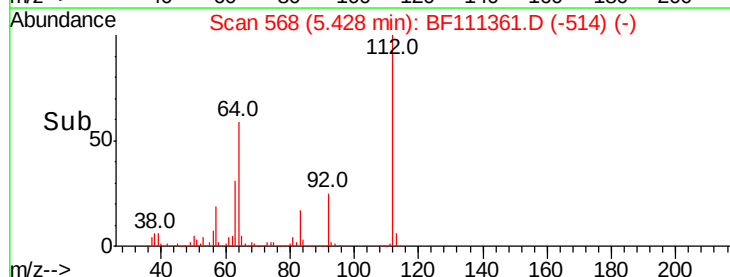
63 30.7 26.8 40.2

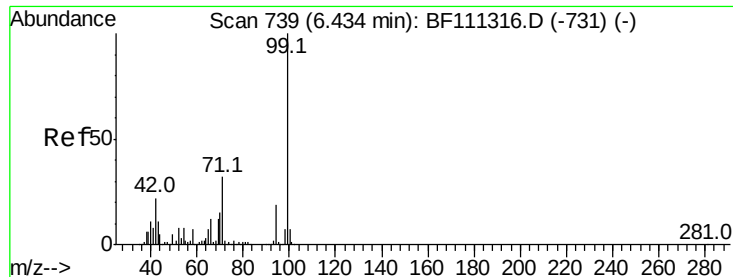


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 97.969 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

Instrument :

BNA_F

ClientSampleId :

CL-01-121018-E

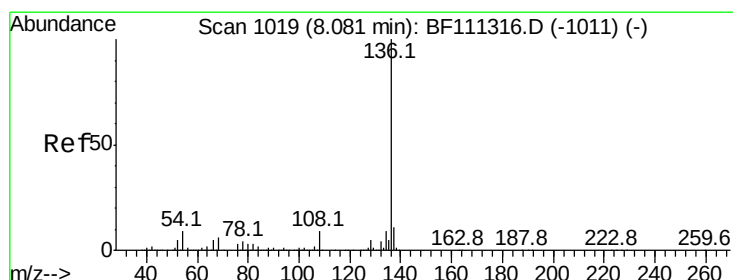
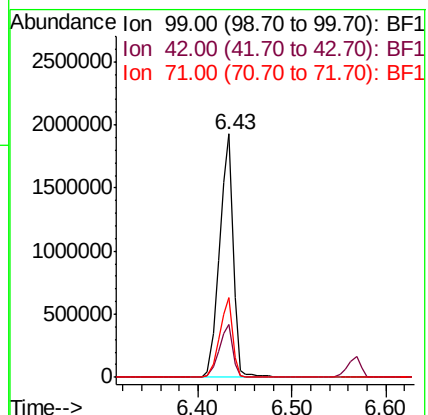
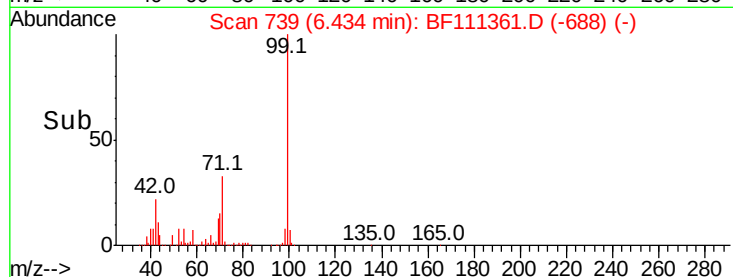
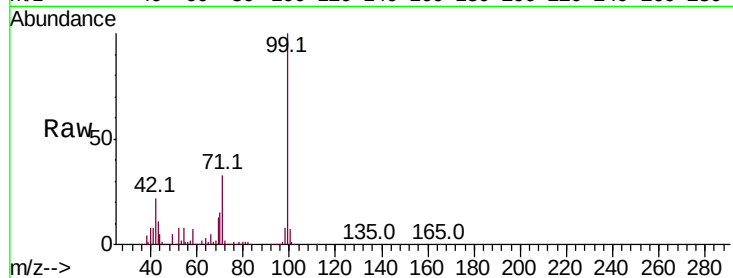
Tot Ion: 99 Resp: 1986965

Ion Ratio Lower Upper

99 100

42 21.9 17.4 26.0

71 32.9 26.1 39.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

Tgt Ion: 136 Resp: 1035112

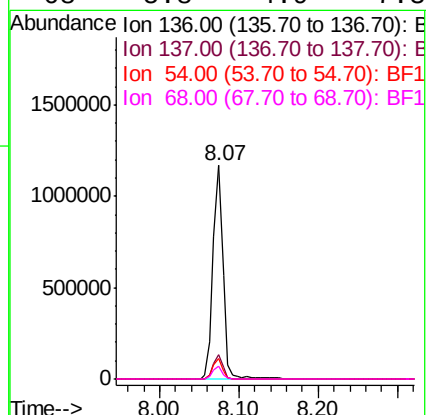
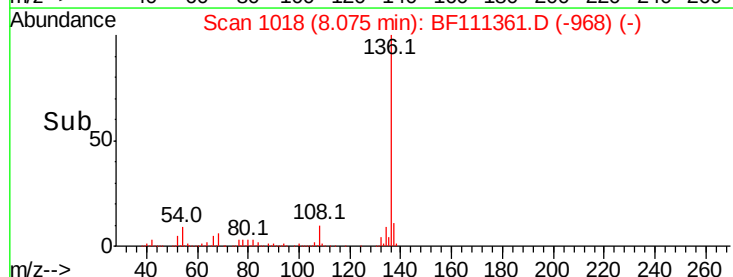
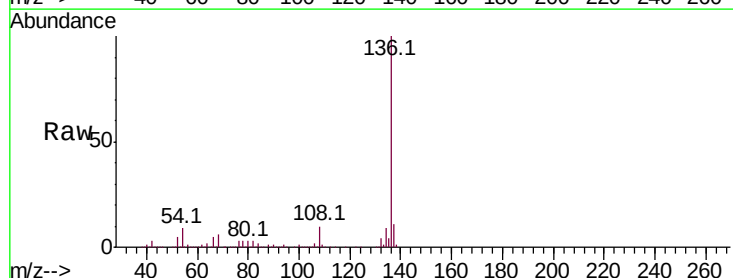
Ion Ratio Lower Upper

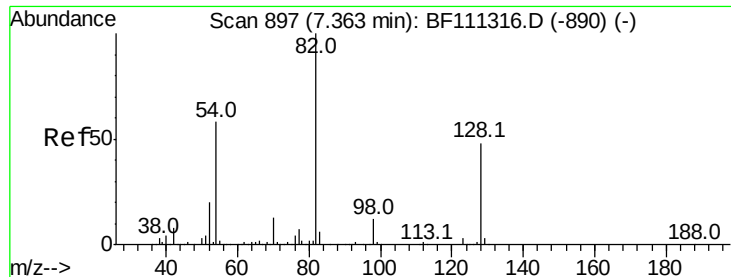
136 100

137 11.1 9.1 13.7

54 9.5 7.7 11.5

68 5.8 4.9 7.3



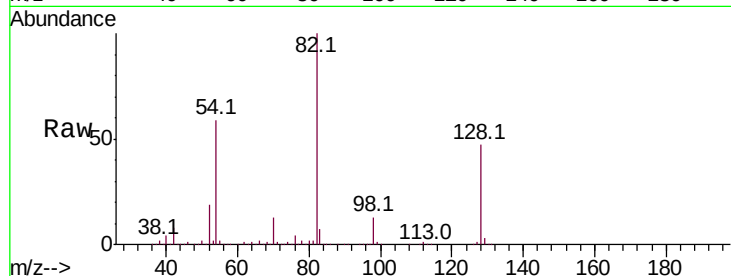


#23
 Nitrobenzene-d5
 Concen: 89.603 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF111361.D
 Acq: 13 Dec 2018 10:50

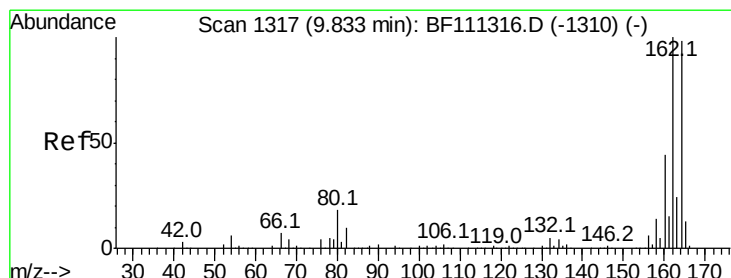
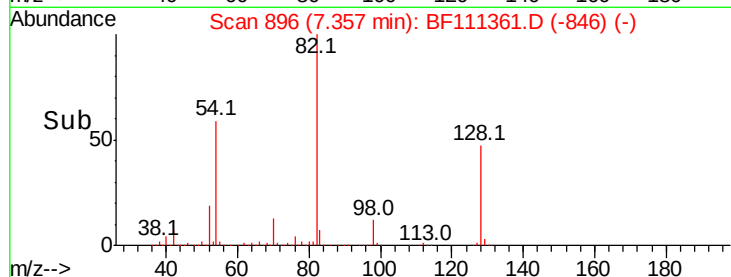
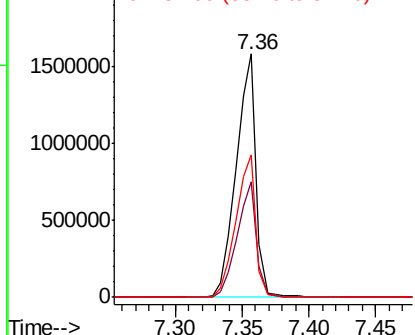
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-E

Tot Ion: 82 Resp: 1645569

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.4	56.2
54	58.7	47.6	71.4



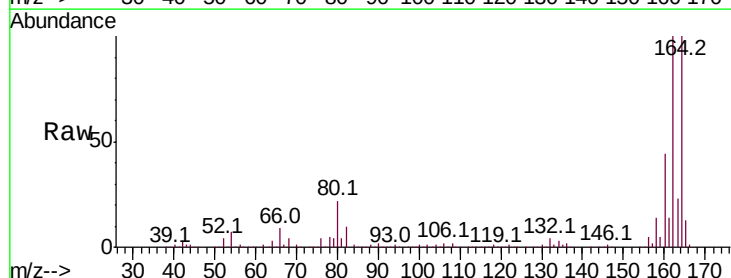
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1



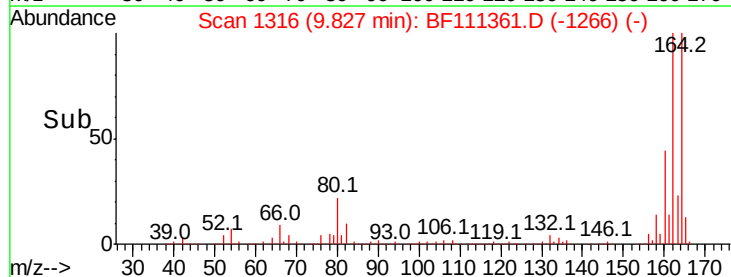
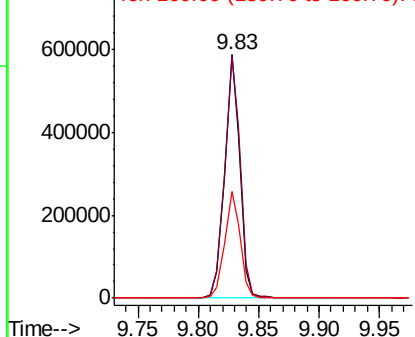
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF111361.D
 Acq: 13 Dec 2018 10:50

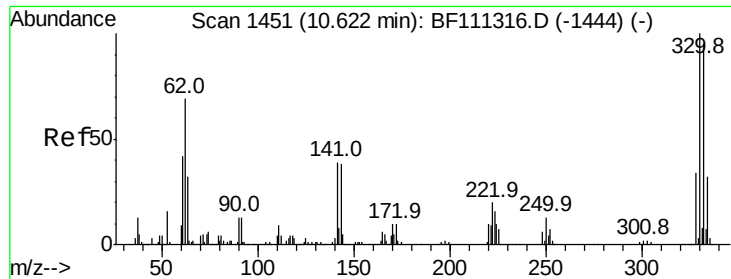
Tgt Ion: 164 Resp: 504856

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.4	122.0
160	43.6	35.7	53.5



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

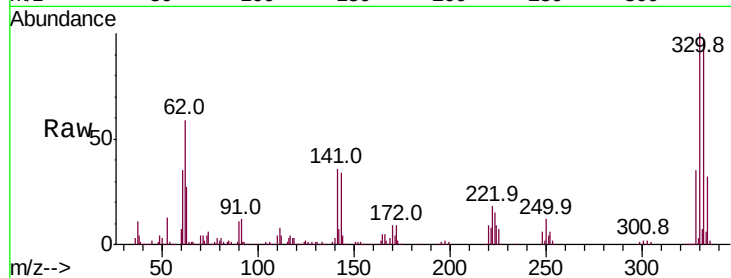




#42
 2,4,6-Tribromophenol
 Concen: 145.008 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF111361.D
 Acq: 13 Dec 2018 10:50

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-E

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.0	114.0
141	37.9	31.0	46.6

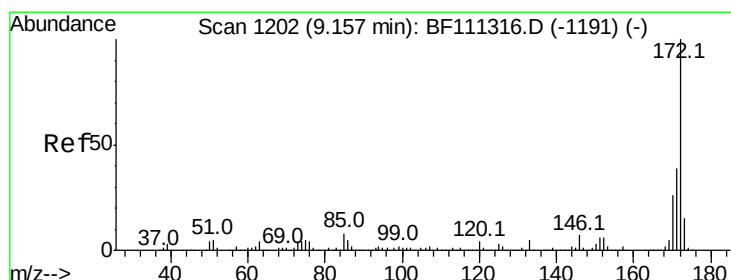
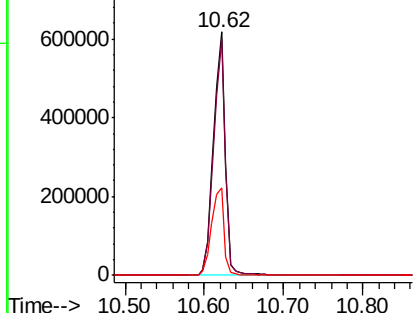
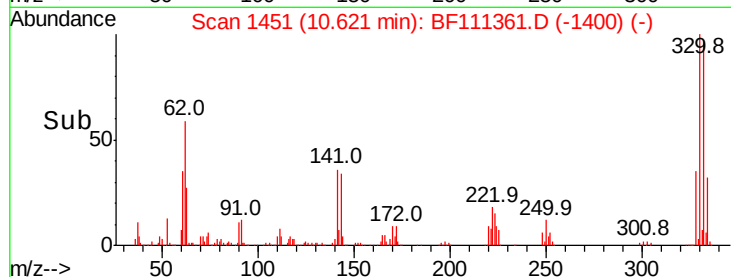


Abundance

Ion 329.80 (329.50 to 330.50): E

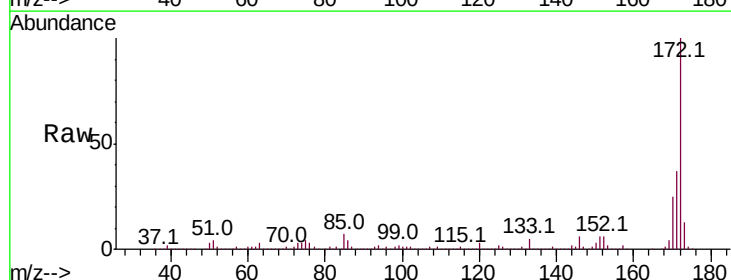
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 89.806 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: BF111361.D
 Acq: 13 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	33.0	49.4
170	25.0	22.3	33.5

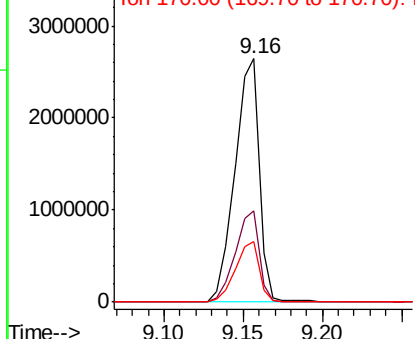
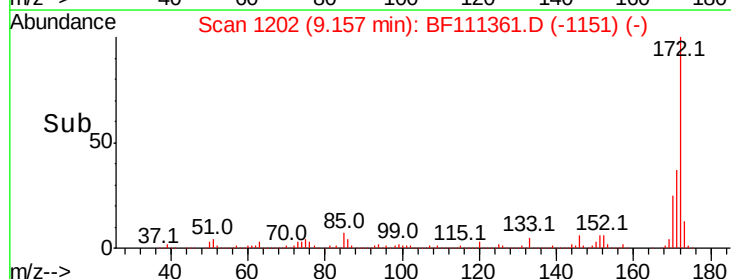


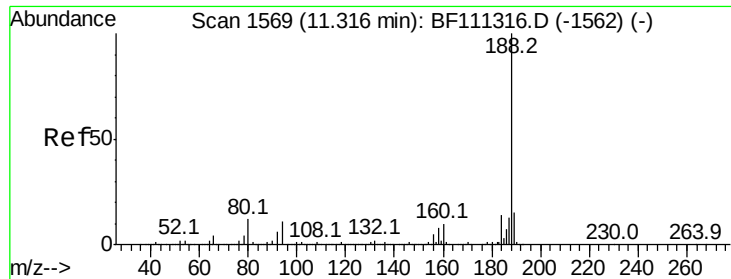
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

Instrument :

BNA_F

ClientSampleId :

CL-01-121018-E

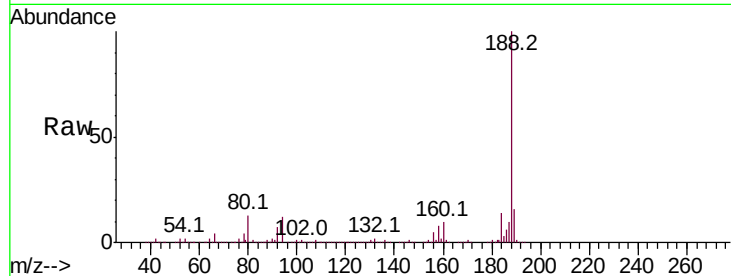
Tot Ion:188 Resp: 966698

Ion Ratio Lower Upper

188 100

94 11.8 9.6 14.4

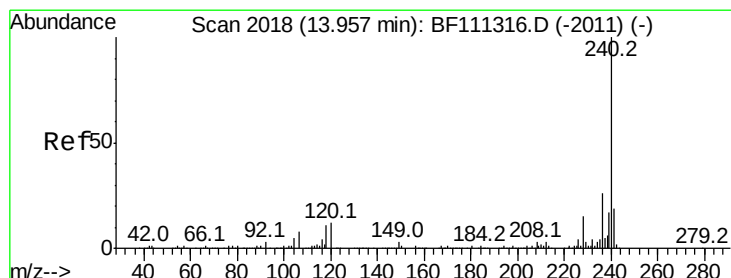
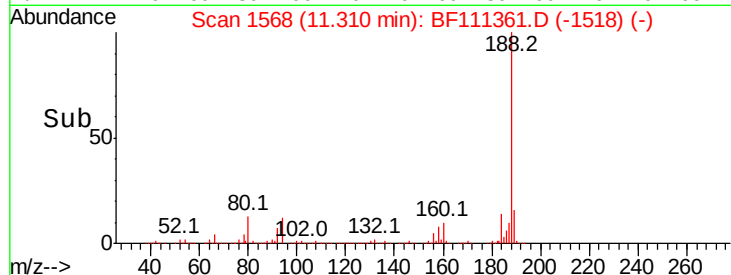
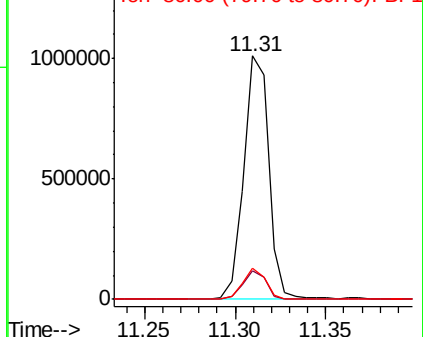
80 13.0 9.8 14.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

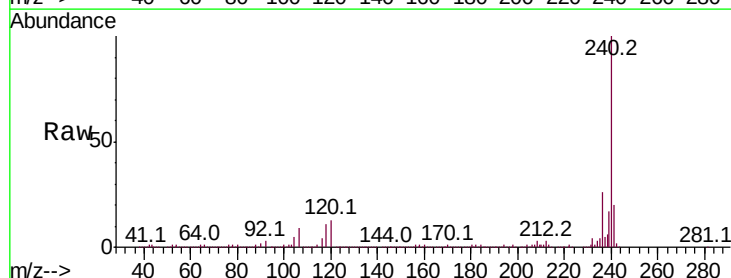
Tgt Ion:240 Resp: 796998

Ion Ratio Lower Upper

240 100

120 12.7 12.2 18.2

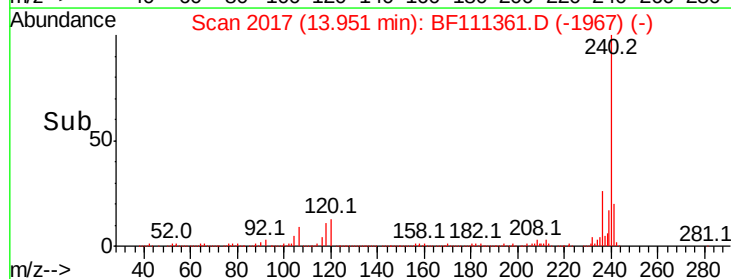
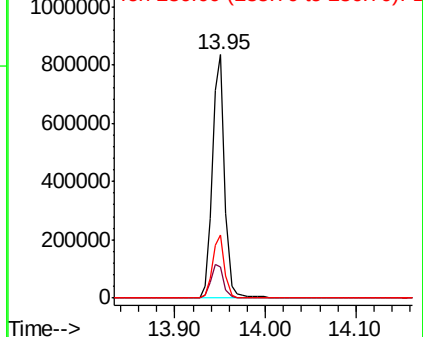
236 26.0 20.2 30.2

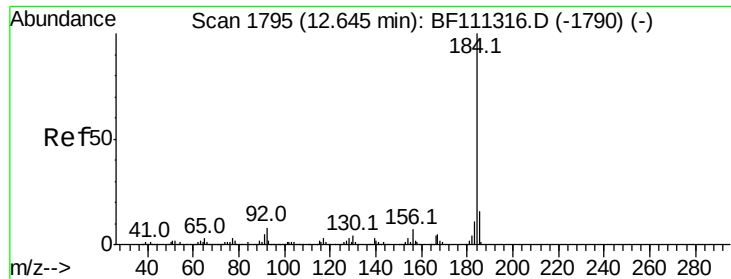


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 7.789 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

Instrument :

BNA_F

ClientSampleId :

CL-01-121018-E

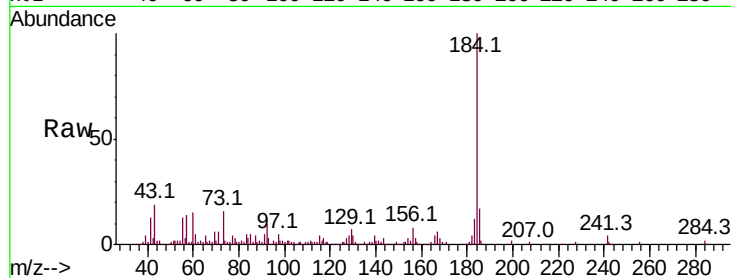
Tot Ion:184 Resp: 117145

Ion Ratio Lower Upper

184 100

185 17.0 13.0 19.6

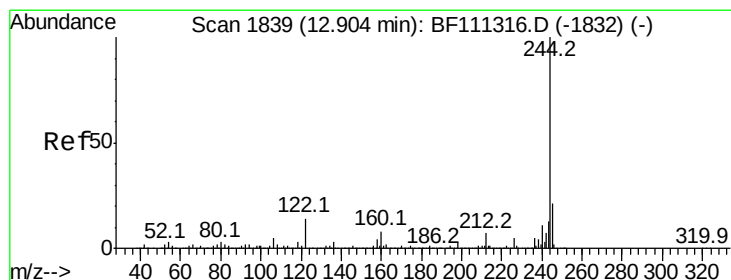
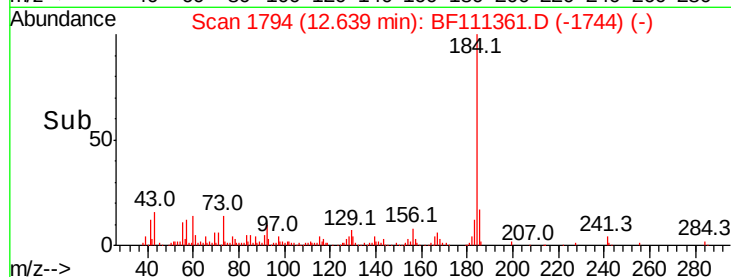
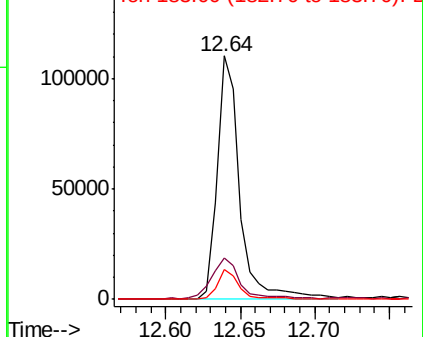
183 12.2 9.3 13.9



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



#79

Terphenyl-d14

Concen: 87.213 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

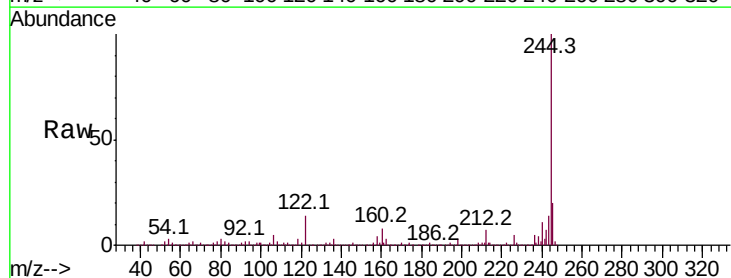
Tgt Ion:244 Resp: 3158124

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

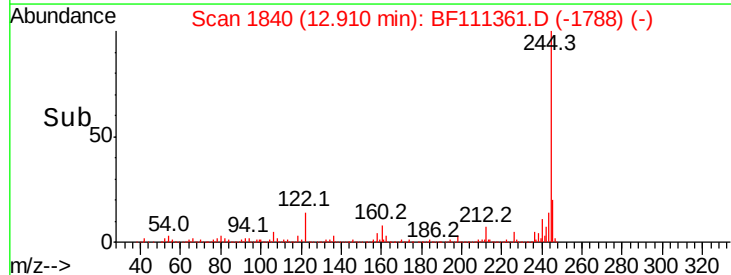
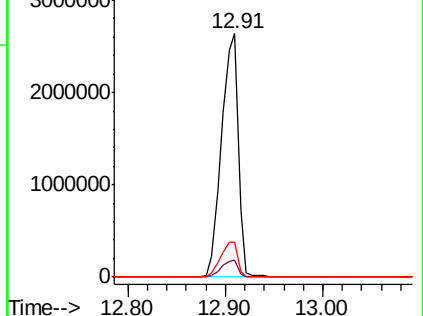
122 14.1 13.1 19.7

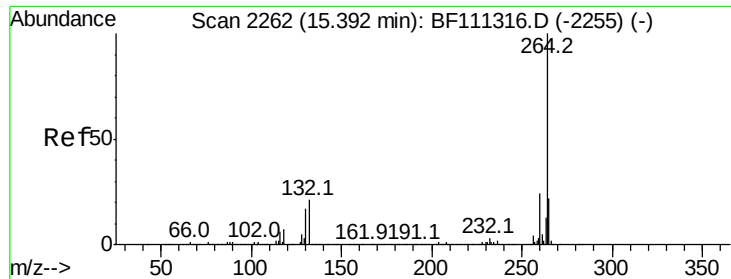


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlone-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF111361.D
Acq: 13 Dec 2018 10:50

Instrument :
BNA_F
ClientSampleId :
CL-01-121018-E

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	21.5	17.7	26.5

