

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
 Data File : BF093675.D
 Acq On : 15 Mar 2017 18:36
 Operator : SJ/MA
 Sample : I2264-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD6-WSW

Quant Time: Mar 16 02:28:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

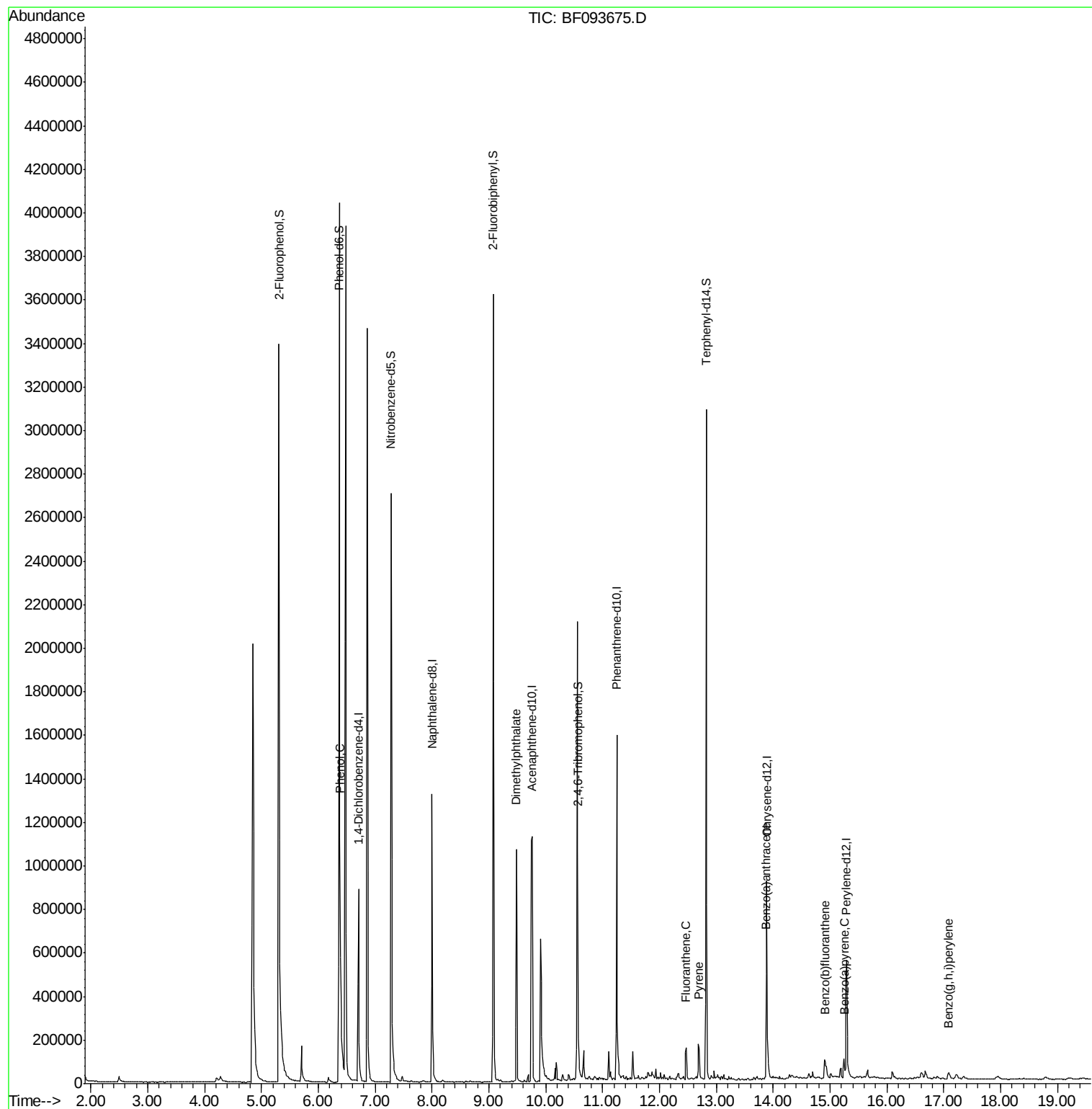
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	174374	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	698107	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	333437	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	572215	20.00	ng	0.00
75) Chrysene-d12	13.89	240	364624	20.00	ng	0.00
86) Perylene-d12	15.29	264	303565	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1290921	123.21	ng	-0.01
7) Phenol-d6	6.37	99	1633292	123.62	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1037461	82.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	281791	129.71	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	1357580	75.73	ng	-0.01
78) Terphenyl-d14	12.82	244	946678	67.50	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.38	94	120356	7.43	ng	89
49) Dimethylphthalate	9.49	163	449284	20.32	ng	99
74) Fluoranthene	12.47	202	91611	2.90	ng	92
77) Pyrene	12.69	202	88940	3.35	ng	97
80) Benzo(a)anthracene	13.88	228	46822	2.17	ng	99
87) Benzo(b)fluoranthene	14.91	252	51664m	2.79	ng	
89) Benzo(a)pyrene	15.25	252	39088	2.31	ng	97
91) Benzo(g,h,i)perylene	17.09	276	32485	2.26	ng	# 88

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

Instrument :

BNA_F

ClientSampleId :

E2-DD6-WSW

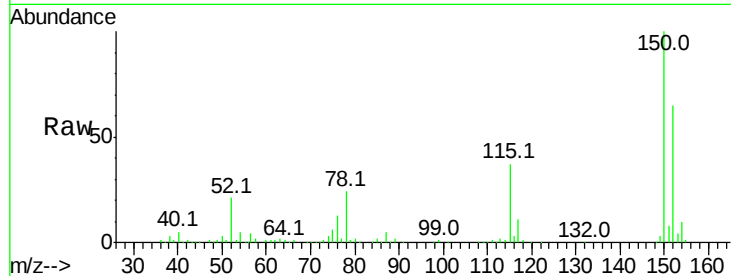
Tot Ion:152 Resp: 174374

Ion Ratio Lower Upper

152 100

150 155.0 124.9 187.3

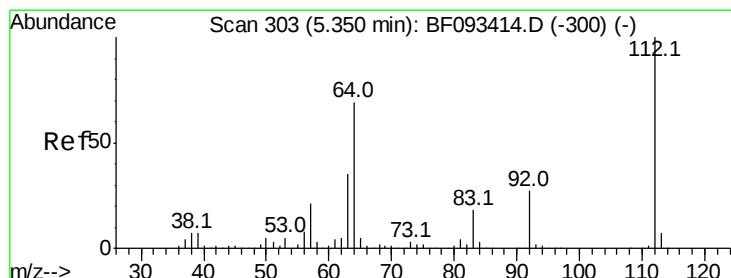
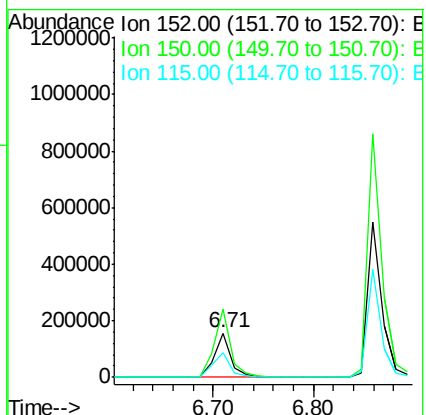
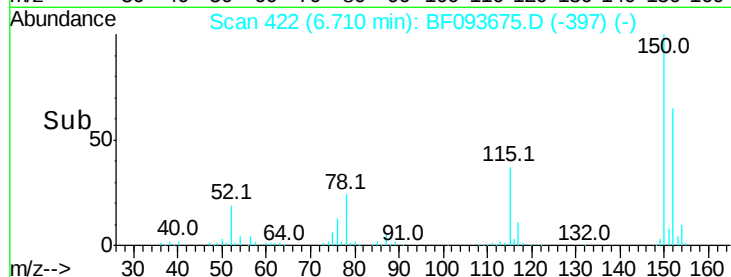
115 57.0 46.0 69.0



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: 123.21 ng

RT: 5.30 min Scan# 299

Delta R.T. -0.01 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

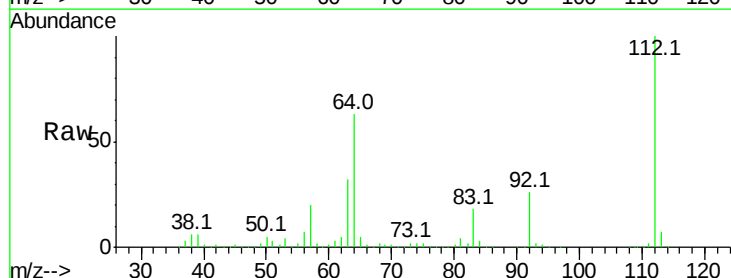
Tgt Ion:112 Resp: 1290921

Ion Ratio Lower Upper

112 100

64 62.6 46.1 69.1

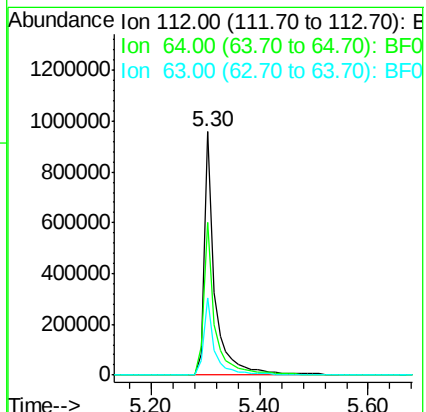
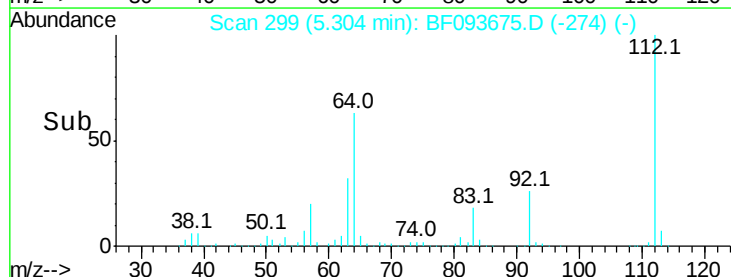
63 31.6 23.8 35.6

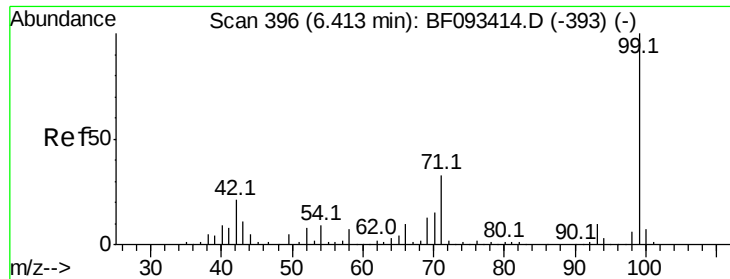


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.62 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

Instrument :

BNA_F

ClientSampleId :

E2-DD6-WSW

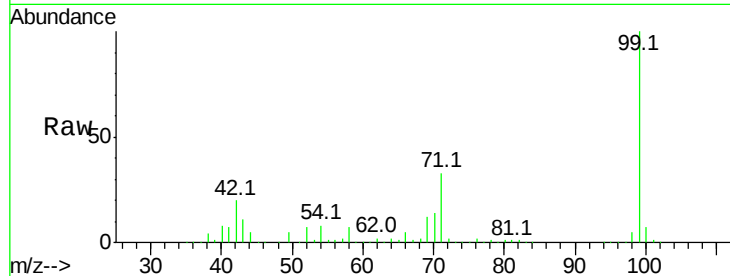
Tot Ion: 99 Resp: 1633292

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

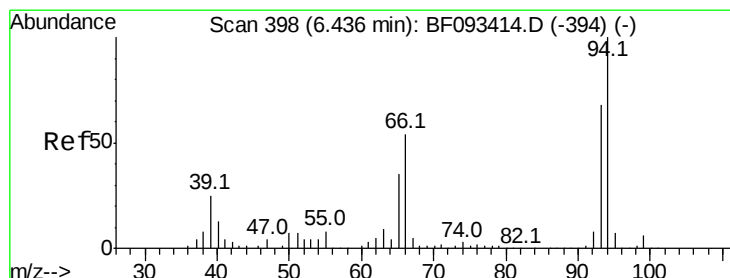
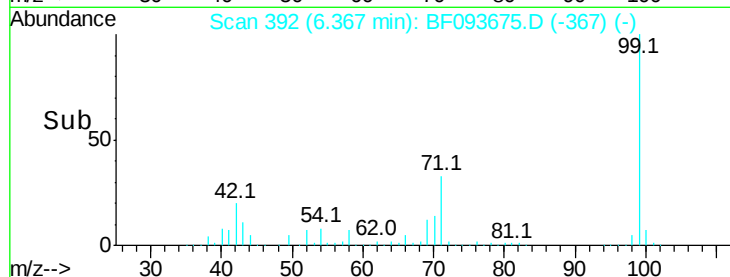
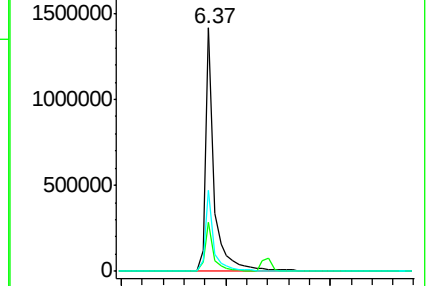
71 33.5 27.5 41.3



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



#10

Phenol

Concen: 7.43 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

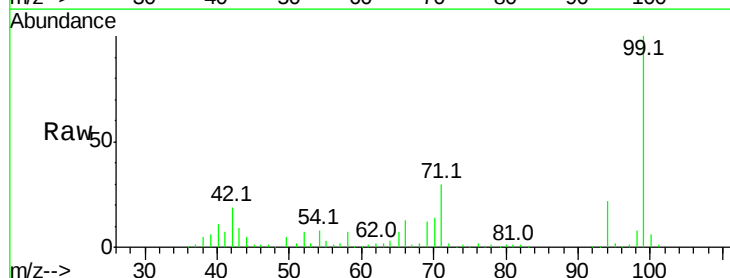
Tgt Ion: 94 Resp: 120356

Ion Ratio Lower Upper

94 100

65 31.8 21.4 61.4

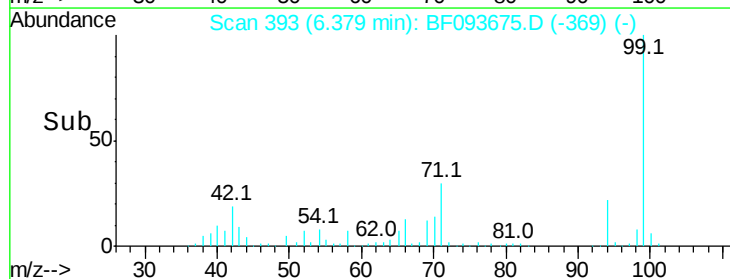
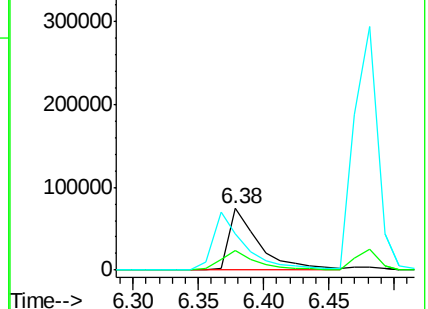
66 58.1 44.0 84.0

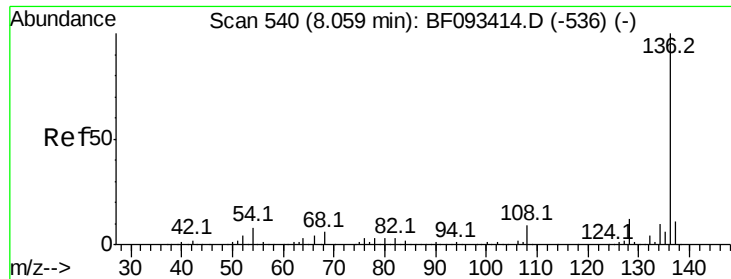


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

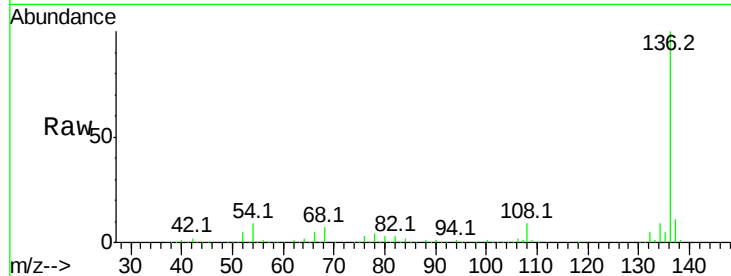




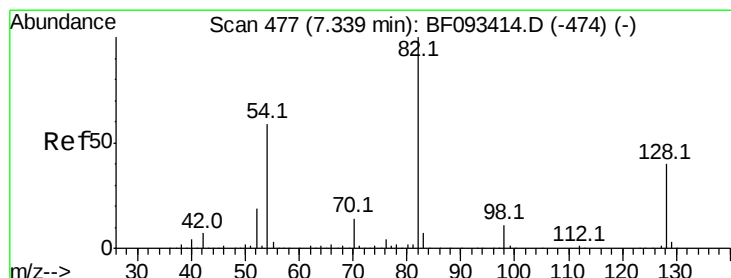
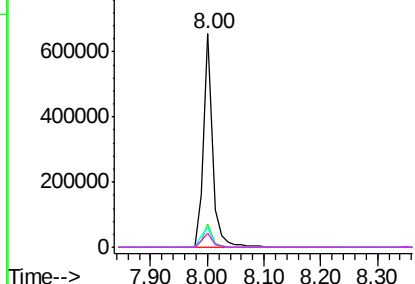
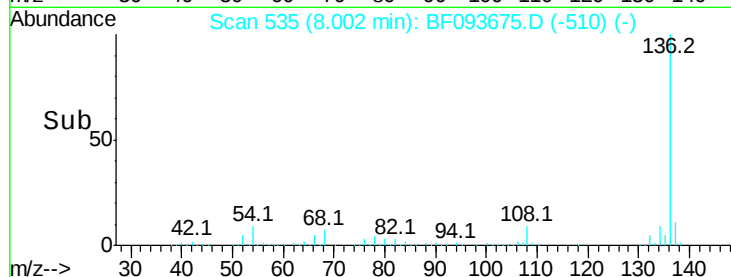
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

Instrument :
BNA_F
ClientSampleId :
E2-DD6-WSW

Tot Ion:	136	Resp:	698107
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	8.8	4.5	6.7#
68	6.5	3.6	5.4#

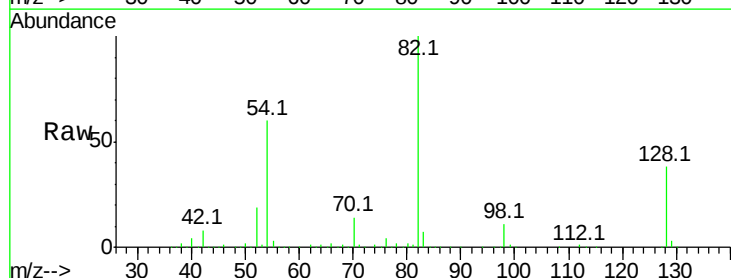


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

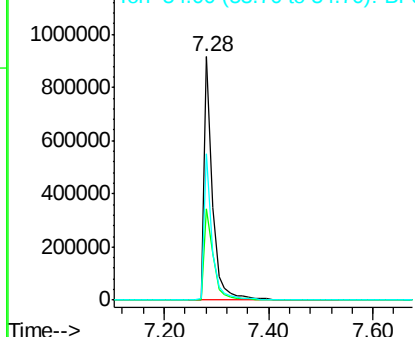
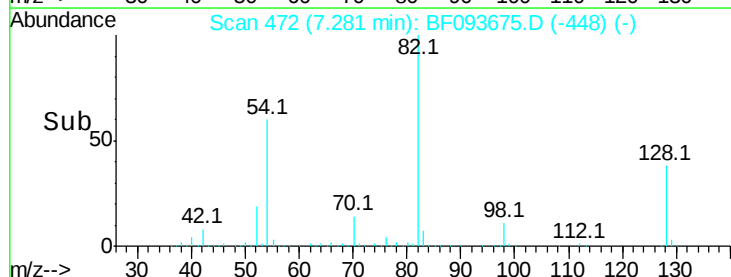


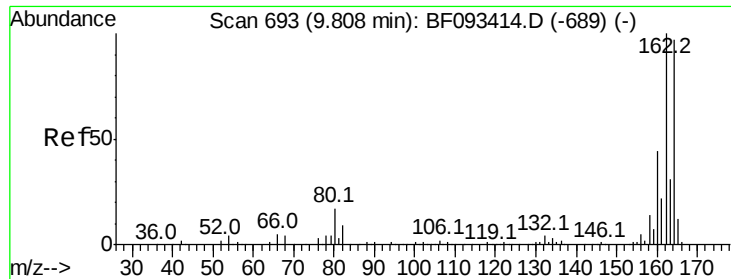
#23
Nitrobenzene-d5
Concen: 82.46 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

Tgt Ion:	82	Resp:	1037461
Ion	Ratio	Lower	Upper
82	100		
128	37.6	34.6	52.0
54	60.2	39.5	59.3#



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

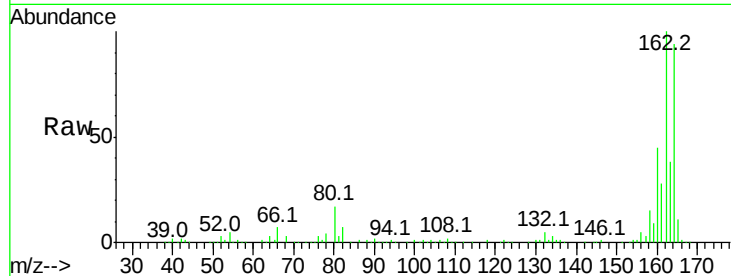




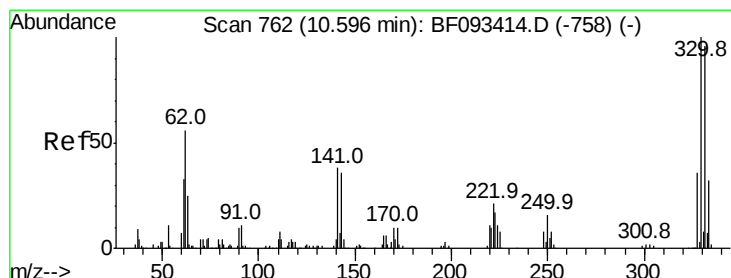
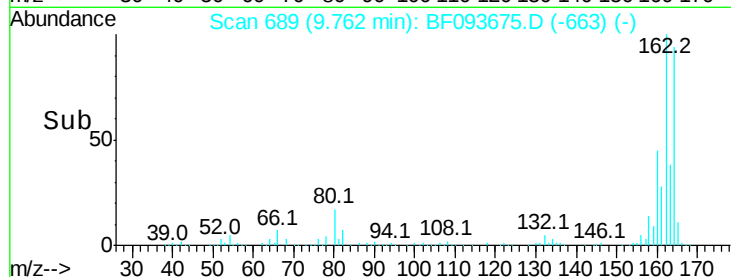
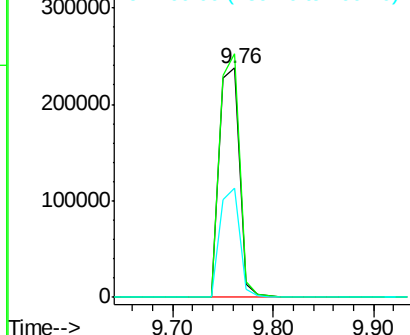
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 689
Delta R.T. -0.00 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

Instrument :
BNA_F
ClientSampleId :
E2-DD6-WSW

Tot Ion:164 Resp: 333437
Ion Ratio Lower Upper
164 100
162 106.3 80.2 120.2
160 47.7 36.9 55.3

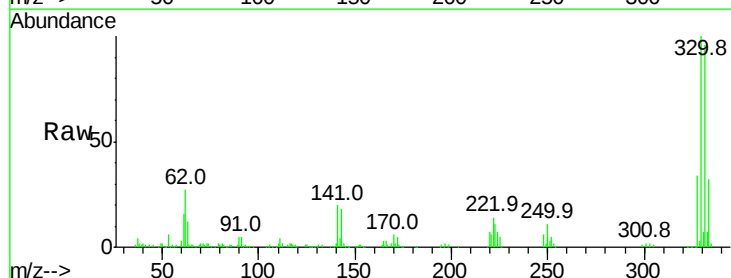


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

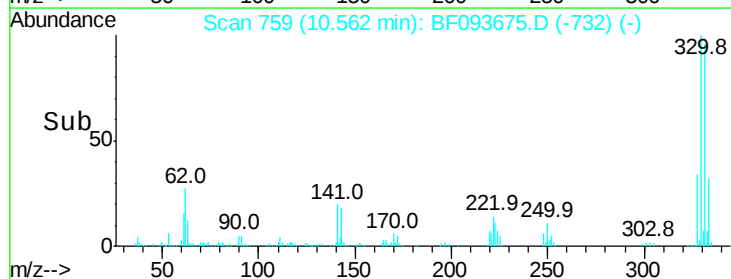
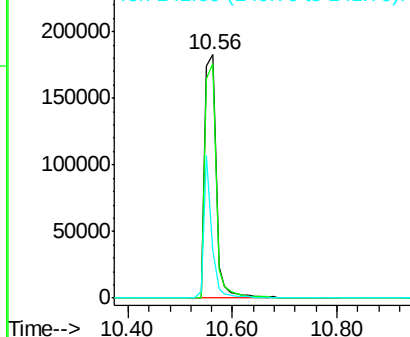


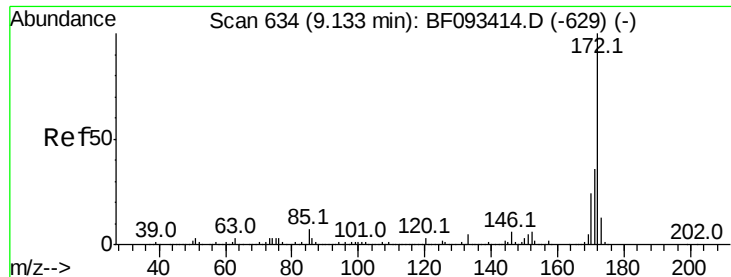
#41
2,4,6-Tribromophenol
Concen: 129.71 ng
RT: 10.56 min Scan# 759
Delta R.T. 0.01 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

Tgt Ion:330 Resp: 281791
Ion Ratio Lower Upper
330 100
332 95.4 77.4 116.2
141 40.9 34.1 51.1



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: 75.73 ng

RT: 9.08 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

Instrument :

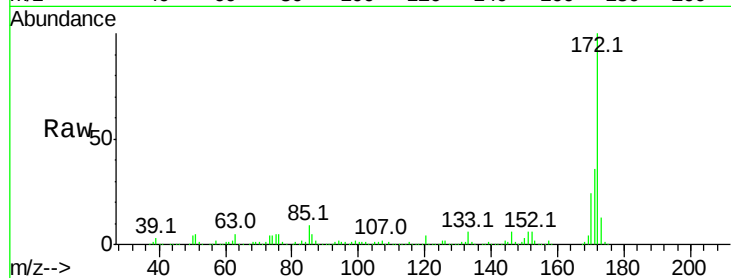
BNA_F

ClientSampleId :

E2-DD6-WSW

Tot Ion:172 Resp: 1357580

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.0
170	24.2	20.2	30.4

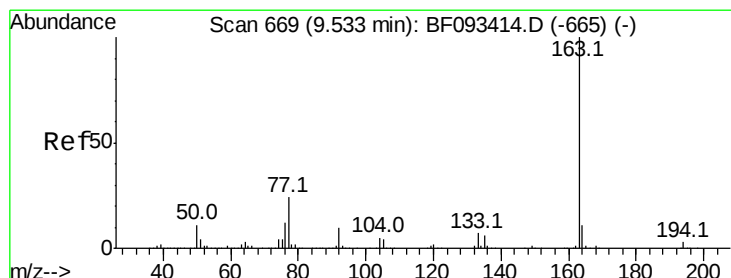
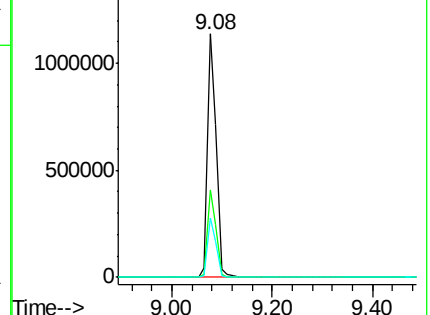
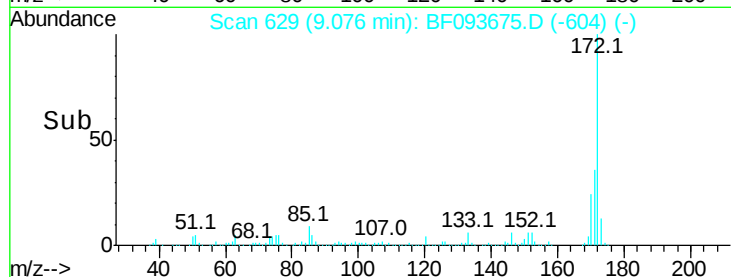


Abundance

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: 20.32 ng

RT: 9.49 min Scan# 665

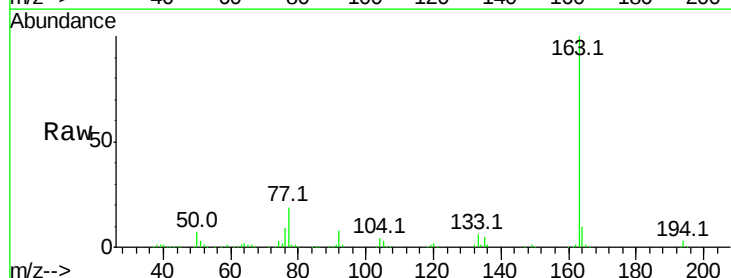
Delta R.T. -0.01 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

Tgt Ion:163 Resp: 449284

Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	9.6	8.0	12.0

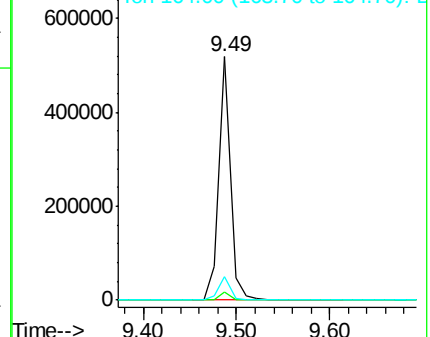
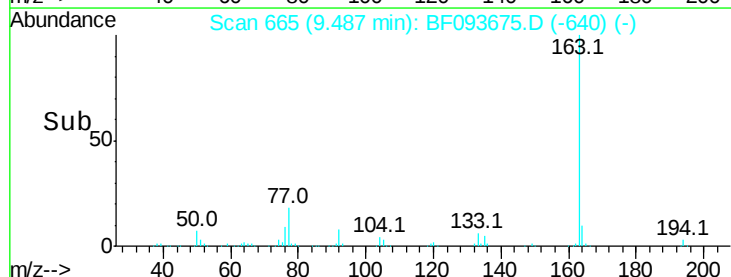


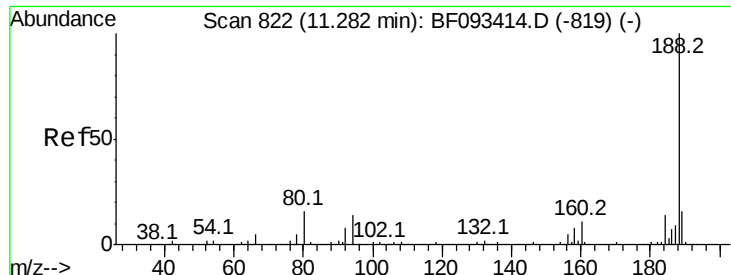
Abundance

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

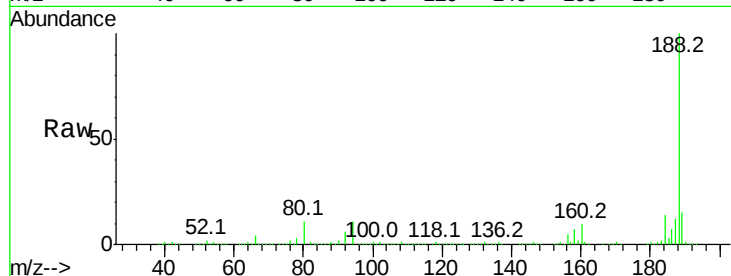




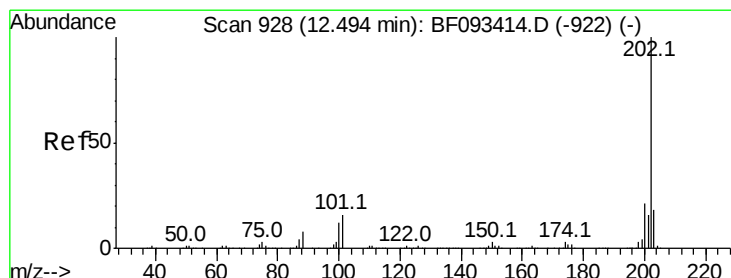
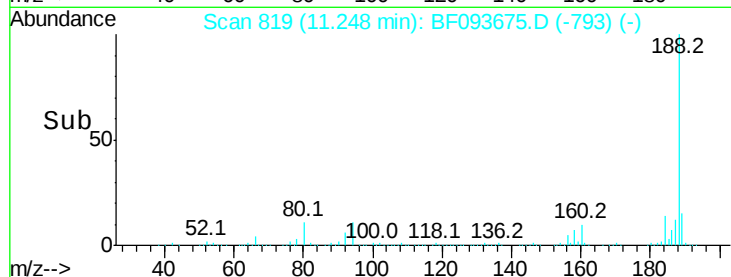
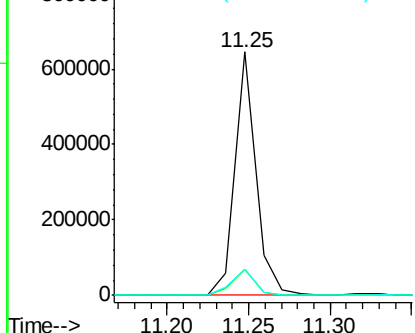
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

Instrument :
BNA_F
ClientSampleId :
E2-DD6-WSW

Tot Ion:188 Resp: 572215
Ion Ratio Lower Upper
188 100
94 10.8 10.0 15.0
80 10.9 11.2 16.8#

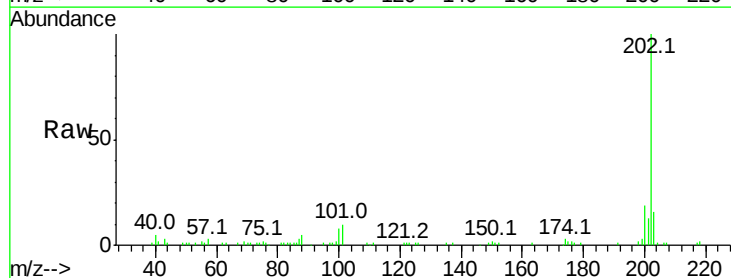


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

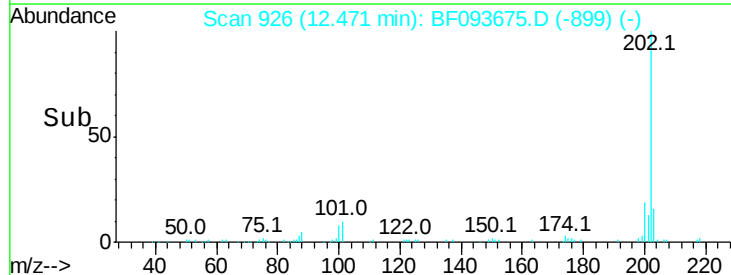
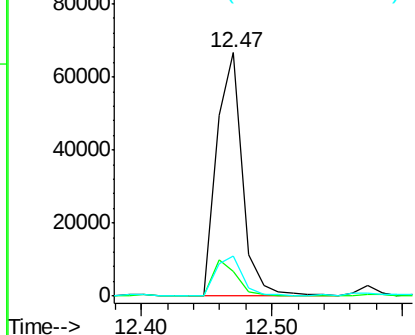


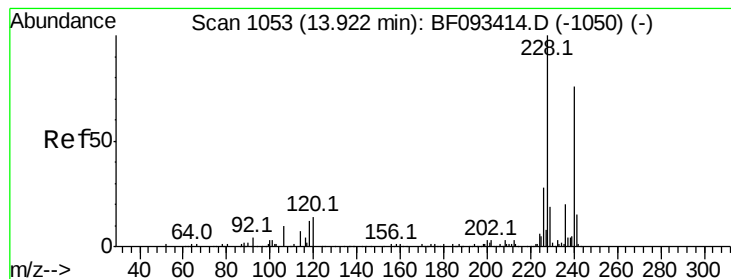
#74
Fluoranthene
Concen: 2.90 ng
RT: 12.47 min Scan# 926
Delta R.T. 0.01 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

Tgt Ion:202 Resp: 91611
Ion Ratio Lower Upper
202 100
101 10.0 0.0 34.6
203 16.5 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

Instrument :

BNA_F

ClientSampleId :

E2-DD6-WSW

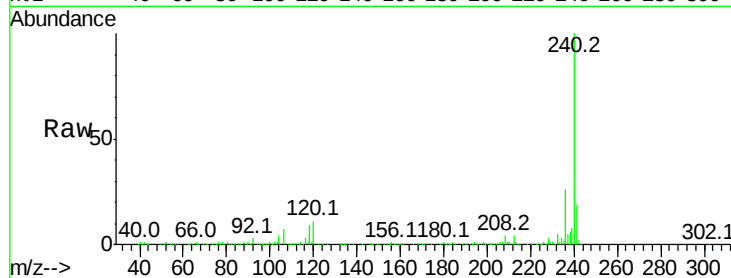
Tot Ion:240 Resp: 364624

Ion Ratio Lower Upper

240 100

120 10.8 12.9 19.3#

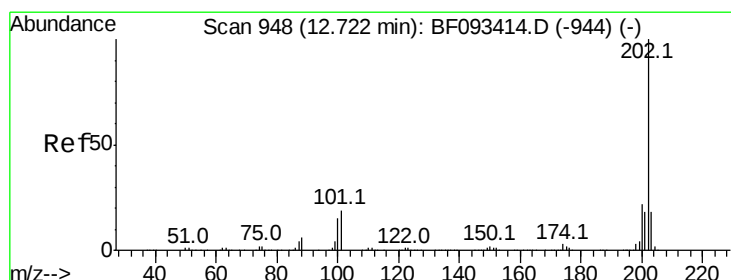
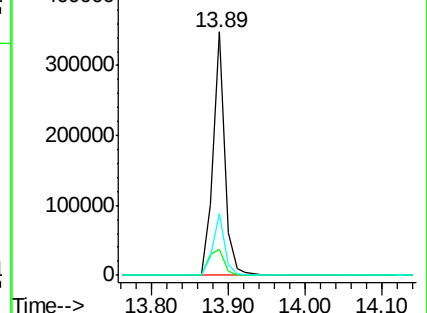
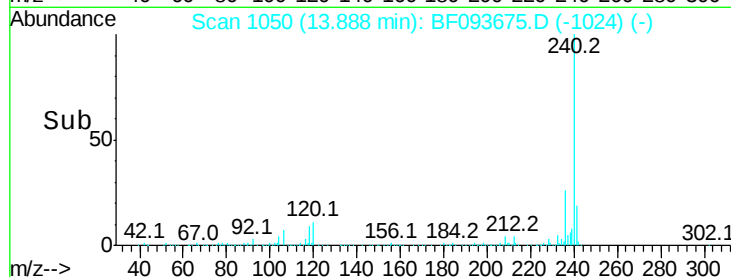
236 25.5 20.9 31.3



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

Pyrene

Concen: 3.35 ng

RT: 12.69 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

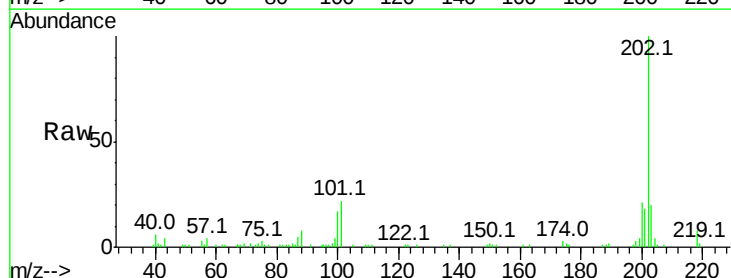
Tgt Ion:202 Resp: 88940

Ion Ratio Lower Upper

202 100

200 20.6 17.7 26.5

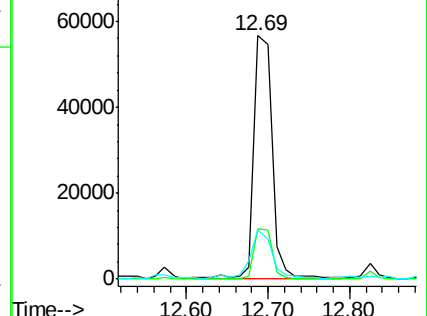
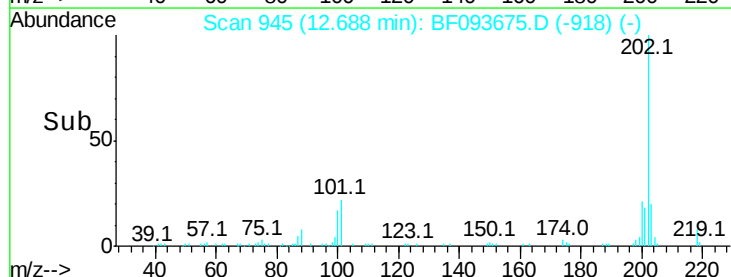
203 20.0 14.7 22.1

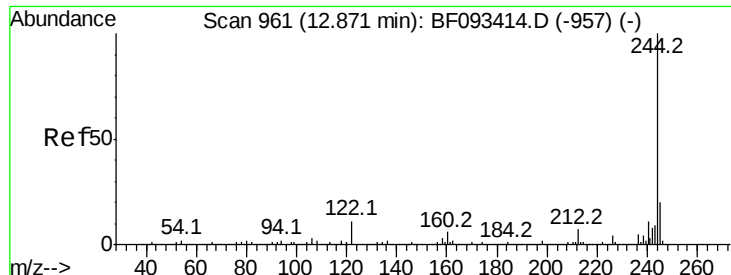


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

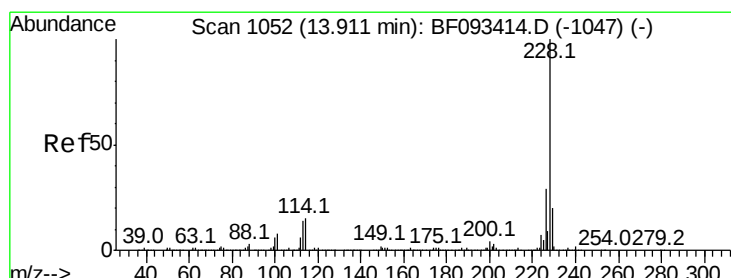
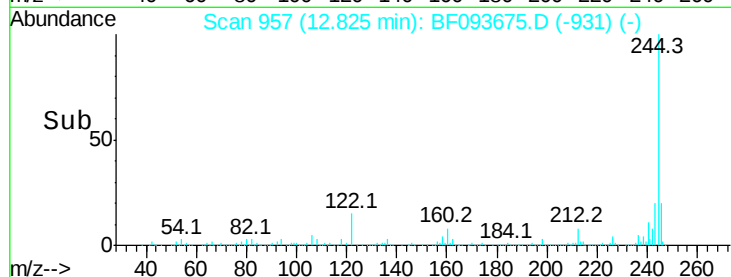
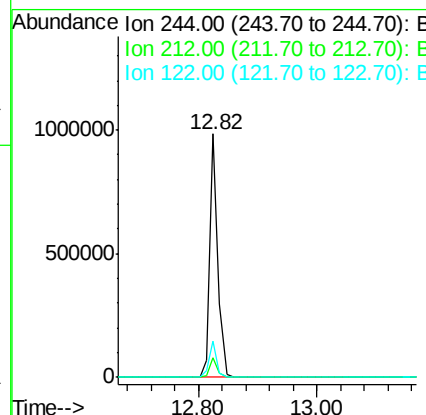
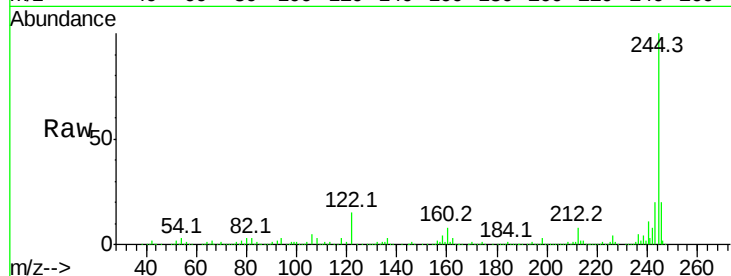




#78
 Terphenyl-d14
 Concen: 67.50 ng
 RT: 12.82 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: BF093675.D
 Acq: 15 Mar 2017 18:36

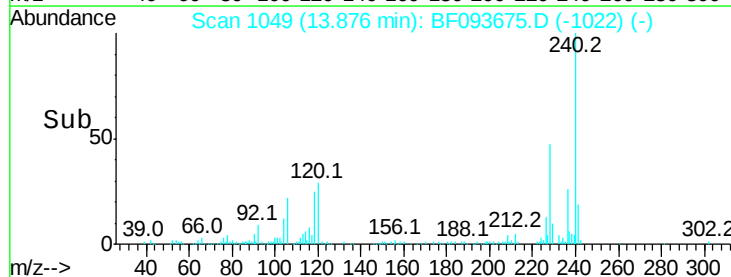
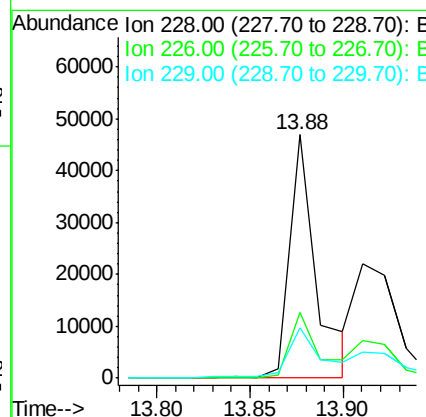
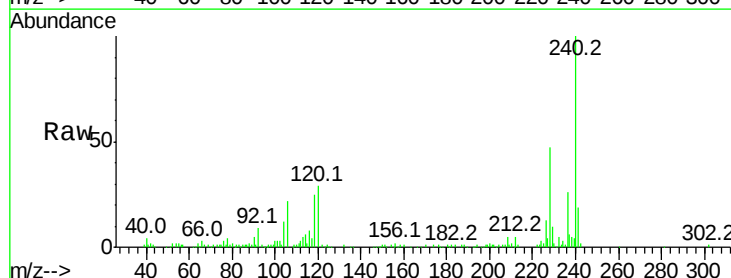
Instrument :
 BNA_F
 ClientSampleId :
 E2-DD6-WSW

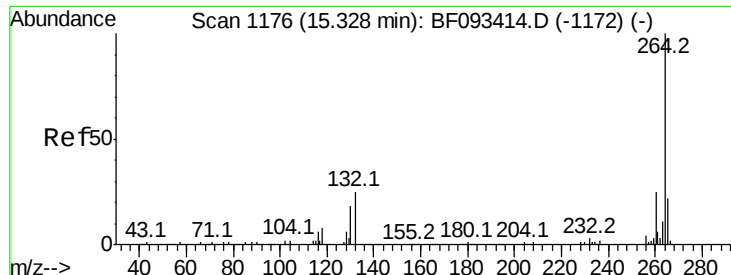
Tot Ion:244 Resp: 946678
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 14.8 11.4 17.2



#80
 Benzo(a)anthracene
 Concen: 2.17 ng
 RT: 13.88 min Scan# 1049
 Delta R.T. 0.01 min
 Lab File: BF093675.D
 Acq: 15 Mar 2017 18:36

Tgt Ion:228 Resp: 46822
 Ion Ratio Lower Upper
 228 100
 226 27.0 22.4 33.6
 229 20.7 16.2 24.4

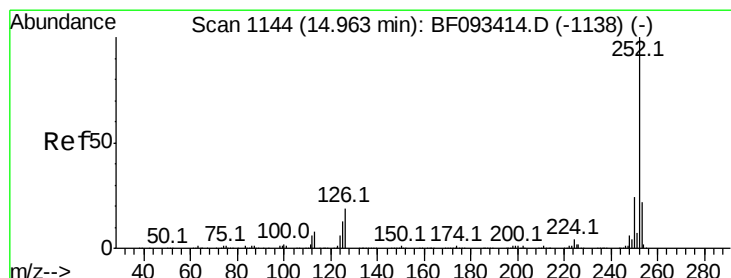
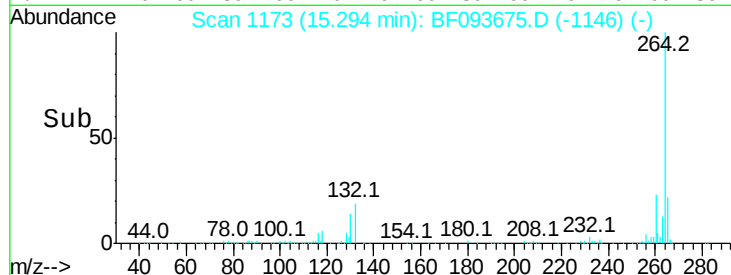
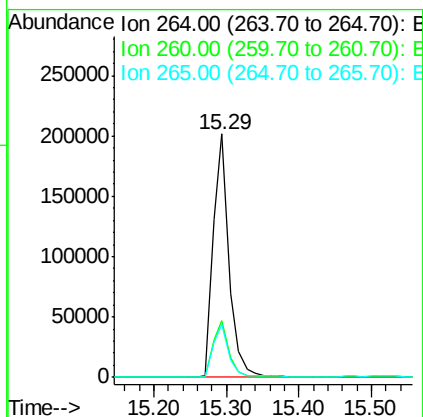
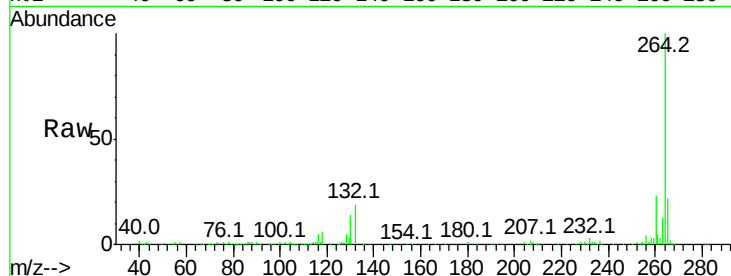




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

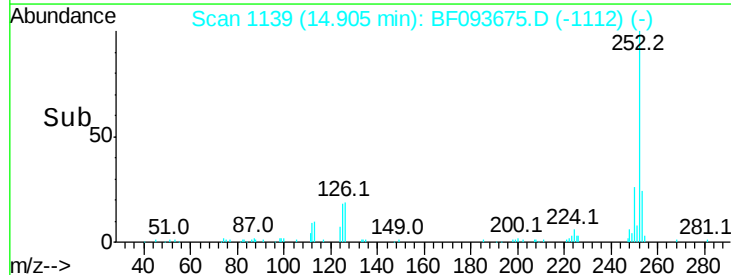
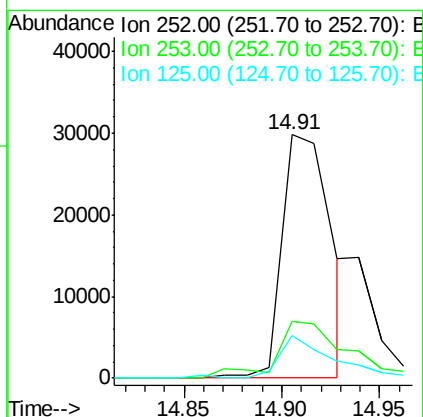
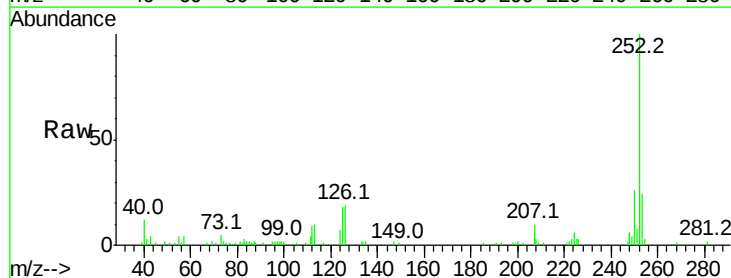
Instrument :
BNA_F
ClientSampleId :
E2-DD6-WSW

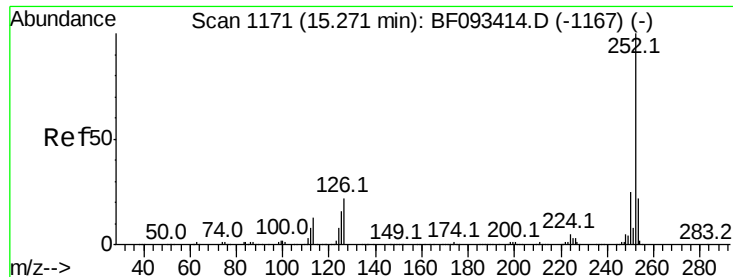
Tot Ion:264 Resp: 303565
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.6 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 2.79 ng m
RT: 14.91 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

Tgt Ion:252 Resp: 51664
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.4
125 17.7 9.8 14.6#

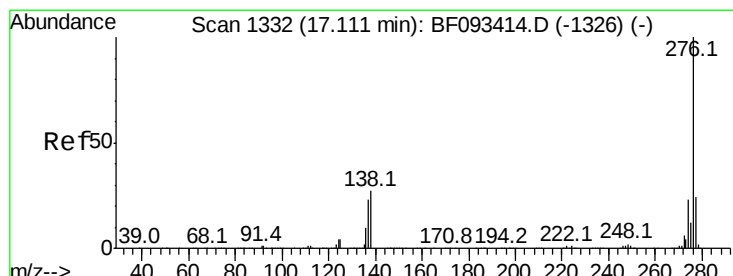
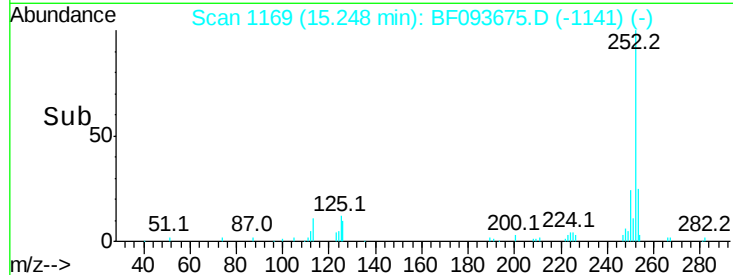
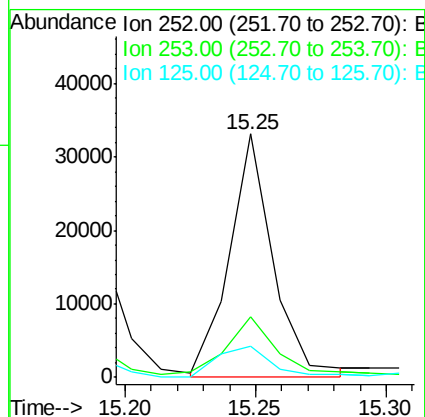
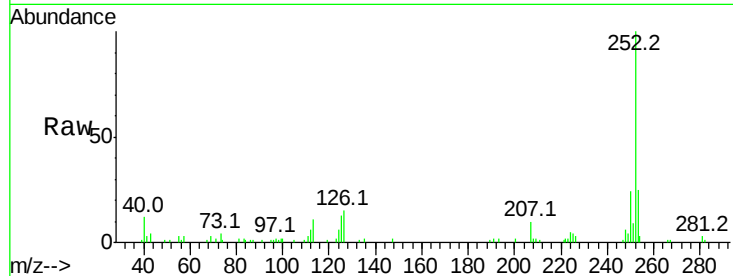




#89
Benzo(a)pyrene
Concen: 2.31 ng
RT: 15.25 min Scan# 1169
Delta R.T. 0.02 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

Instrument :
BNA_F
ClientSampleId :
E2-DD6-WSW

Tot Ion:252	Resp:	39088
Ion Ratio	Lower	Upper
252	100	
253	24.7	18.2 27.2
125	12.9	10.0 15.0



#91
Benzo(g,h,i)perylene
Concen: 2.26 ng
RT: 17.09 min Scan# 1330
Delta R.T. 0.07 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

Tgt Ion:276	Resp:	32485
Ion Ratio	Lower	Upper
276	100	
277	27.3	19.2 28.8
138	28.8	16.0 24.0#

