

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091608.D
 Acq On : 15 Dec 2016 2:16
 Operator : UM/SJ
 Sample : H6007-04 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-10-10-15

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Quant Time: Dec 15 06:53:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	300598	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	1079049	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	513015	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	685154	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	425864	20.00	ng	0.00
86) Perylene-d12	15.39	264	442213	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	986919	55.31	ng	-0.02
7) Phenol-d6	6.43	99	1222751	54.97	ng	-0.02
23) Nitrobenzene-d5	7.36	82	795364	41.14	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	185053	43.43	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1312659	44.21	ng	-0.02
78) Terphenyl-d14	12.91	244	829635	44.21	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.07	79	180239	7.18	ng	89
6) Aniline	6.46	93	59399	2.04	ng	# 71
10) Phenol	6.45	94	73684	2.83	ng	93
31) Naphthalene	8.10	128	219273	4.37	ng	98
37) 2-Methylnaphthalene	8.80	142	77099	2.37	ng	97
49) Dimethylphthalate	9.55	163	150989	4.65	ng	99
51) Acenaphthene	9.87	154	244710	8.03	ng	98
54) Dibenzofuran	10.04	168	302164	8.02	ng	# 89
70) Phenanthrene	11.34	178	3450701	101.70	ng	97
71) Anthracene	11.39	178	912793	24.94	ng	99
72) Carbazole	11.55	167	360460	11.24	ng	98
73) Di-n-butylphthalate	11.89	149	181116	4.85	ng	# 91
74) Fluoranthene	12.54	202	4532915	127.59	ng	95
77) Pyrene	12.77	202	3982253	117.87	ng	97
80) Benzo(a)anthracene	13.96	228	2400547	97.06	ng	99
82) Chrysene	14.00	228	1963880	75.90	ng	97
83) Bis(2-ethylhexyl)phthalate	13.95	149	767924	45.45	ng	98
85) Indeno(1,2,3-cd)pyrene	16.76	276	1046049	44.92	ng	96
87) Benzo(b)fluoranthene	14.99	252	2508750m	95.17	ng	
88) Benzo(k)fluoranthene	15.01	252	803526m	34.67	ng	
89) Benzo(a)pyrene	15.33	252	1567788	66.02	ng	98
90) Dibenz(a,h)anthracene	16.77	278	348046	16.36	ng	96
91) Benzo(g,h,i)perylene	17.17	276	954224	44.07	ng	# 94

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

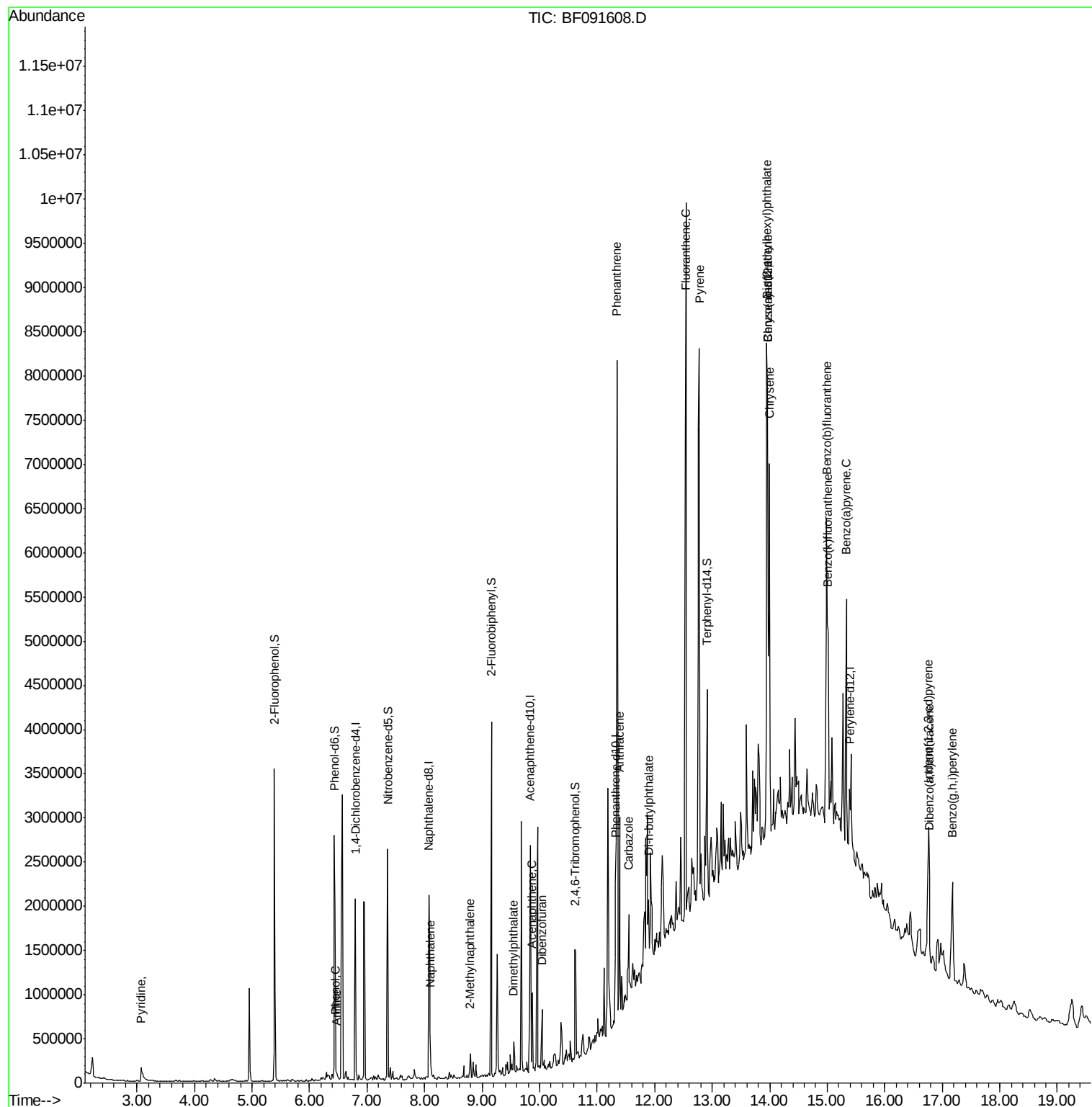
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

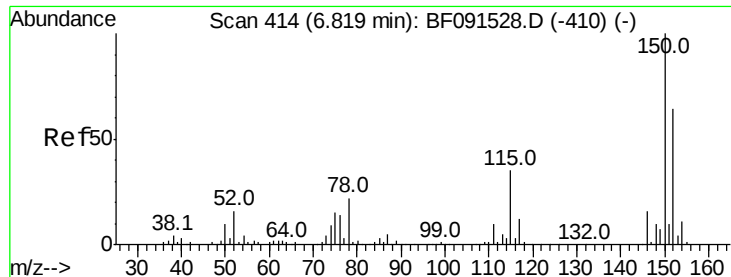
Instrument :
BNA_F
ClientSampleId :
WC-10-10-15

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Quant Time: Dec 15 06:53:05 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration





#1

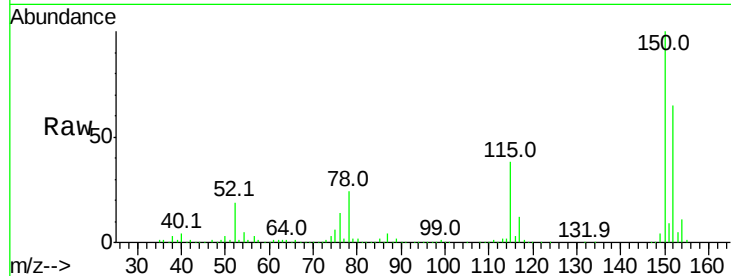
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.02 min
Lab File: BF091608.D
Acq: 15 Dec 2016 2:16

Instrument :
BNA_F
ClientSampleId :
WC-10-10-15

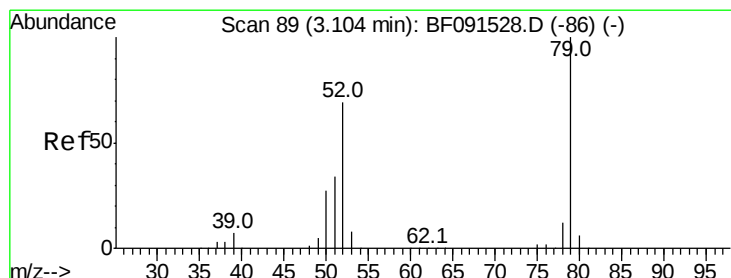
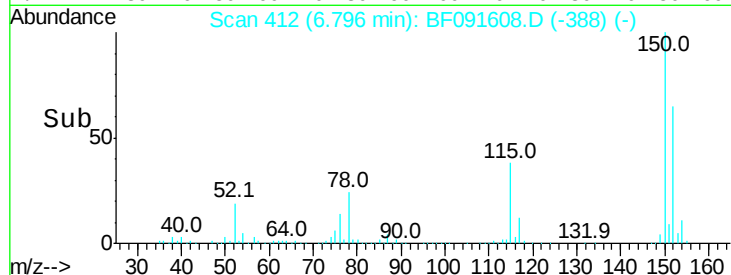
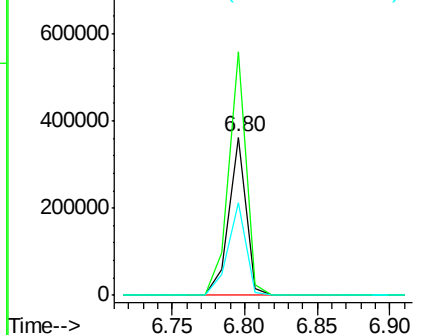
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	122.5	183.7
115	58.8	51.8	77.8

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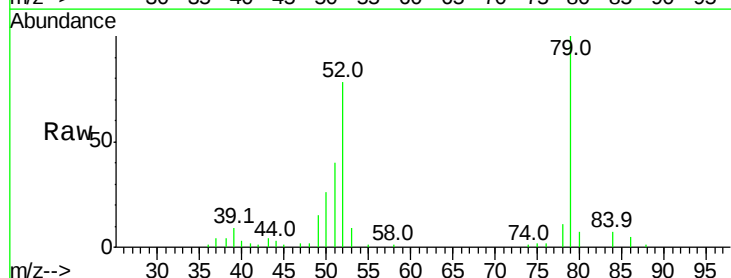
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



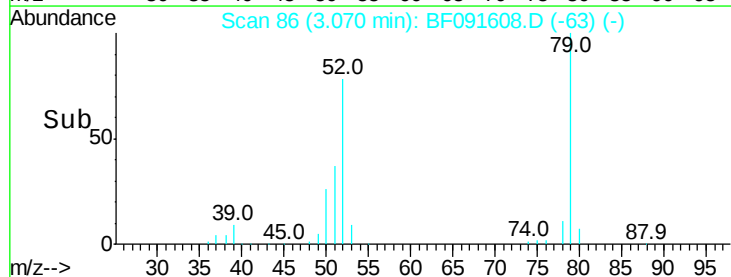
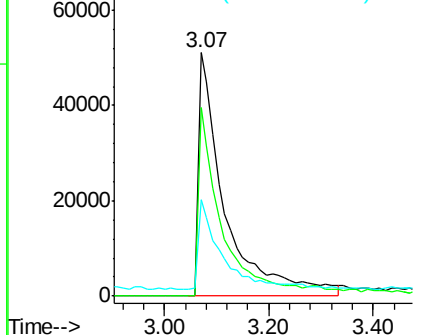
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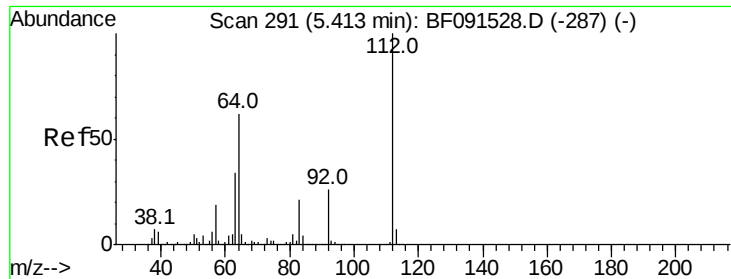
Pyridine
Concen: 7.18 ng
RT: 3.07 min Scan# 86
Delta R.T. -0.03 min
Lab File: BF091608.D
Acq: 15 Dec 2016 2:16

Tgt Ion	Ratio	Lower	Upper
79	100		
52	77.5	71.0	106.4
51	39.8	37.0	55.4



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 52.00 (51.70 to 52.70): BF0
Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 55.31 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.02 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Instrument :

BNA_F

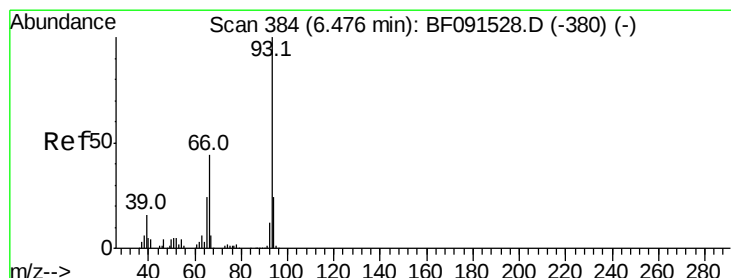
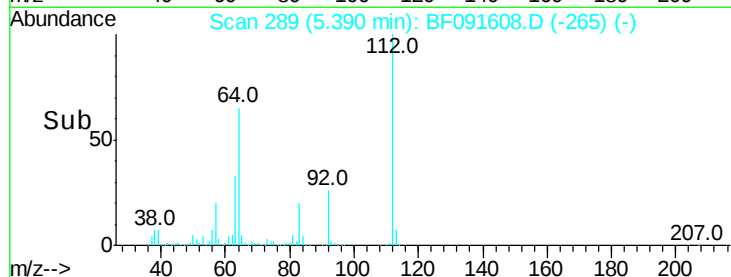
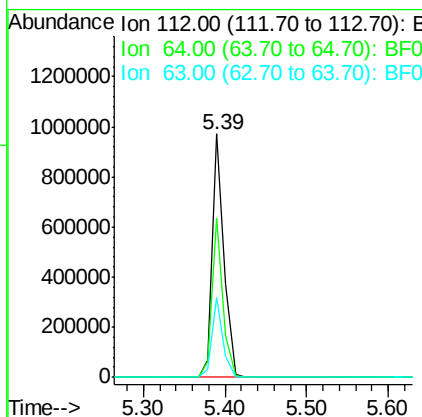
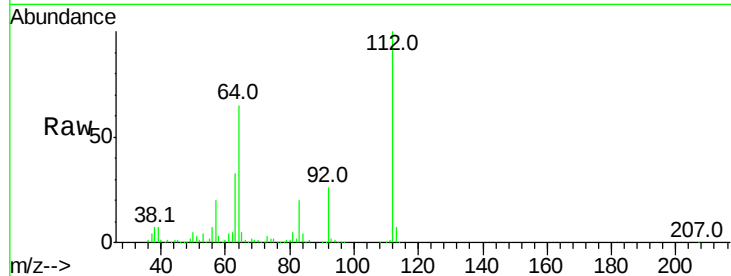
ClientSampleId :

WC-10-10-15

Tot Ion:	112	Resp:	986919
Ion Ratio	Lower	Upper	
112	100		
64	65.2	61.5	92.3
63	33.0	33.3	49.9#

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#6

Aniline

Concen: 2.04 ng

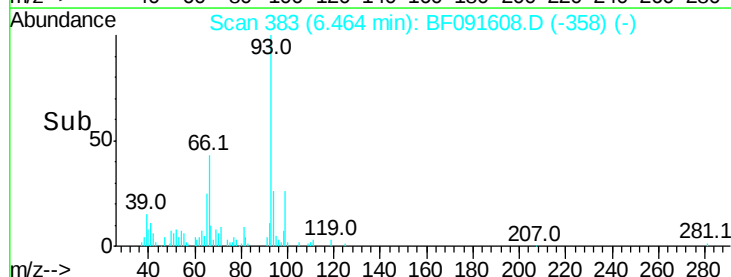
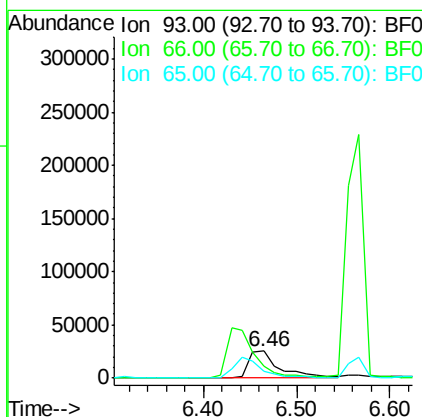
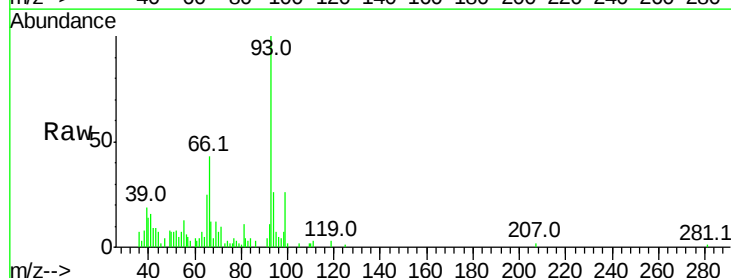
RT: 6.46 min Scan# 383

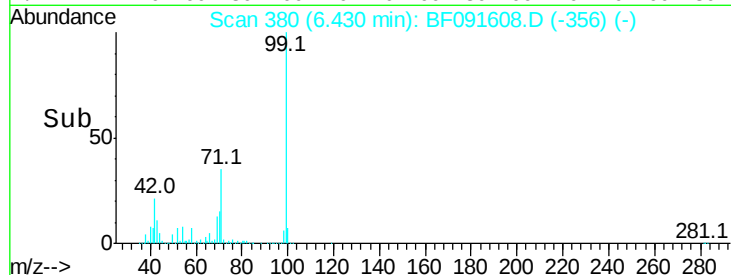
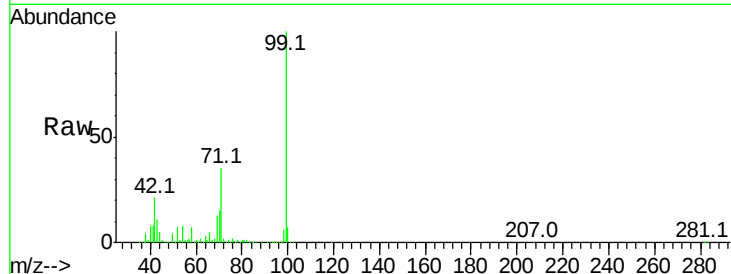
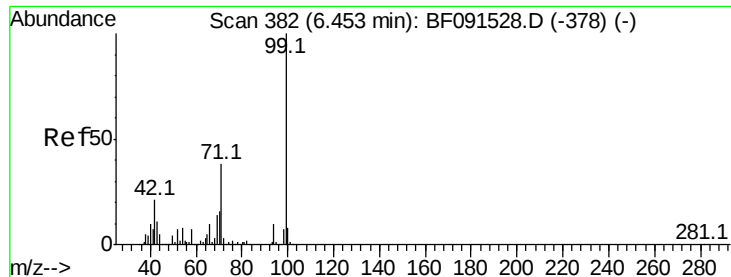
Delta R.T. -0.01 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Tgt Ion:	93	Resp:	59399
Ion Ratio	Lower	Upper	
93	100		
66	42.8	55.8	83.6#
65	24.6	29.9	44.9#





#7

Phenol-d6

Concen: 54.97 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Tot Ion:	99	Resp:	1222751
Ion	Ratio	Lower	Upper
99	100		
42	20.8	20.6	31.0
71	35.2	29.9	44.9

Instrument :

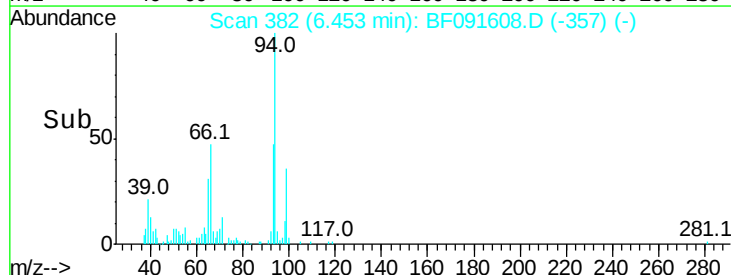
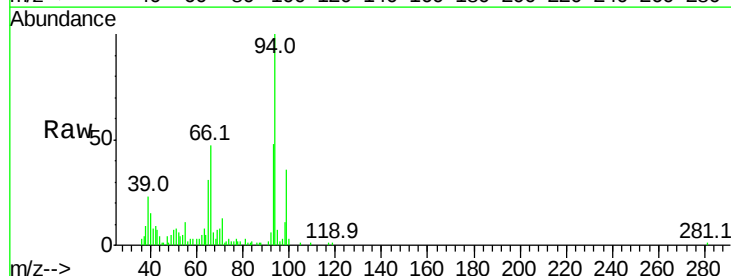
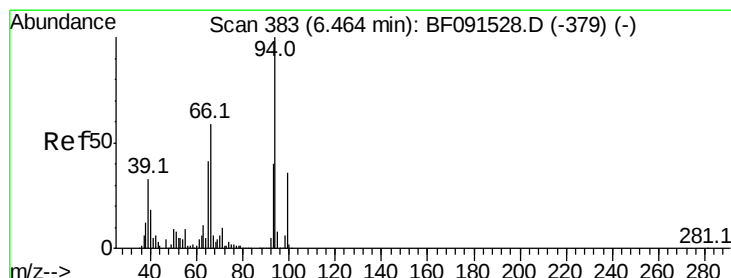
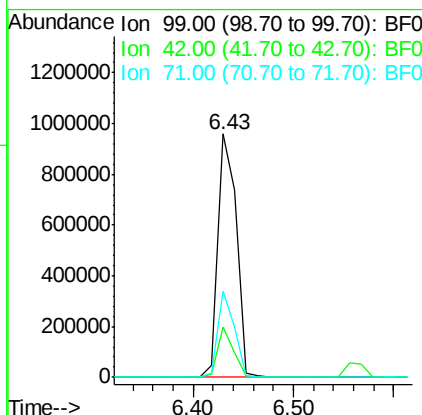
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 2.83 ng

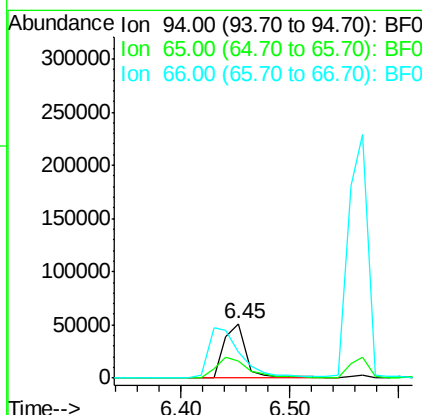
RT: 6.45 min Scan# 382

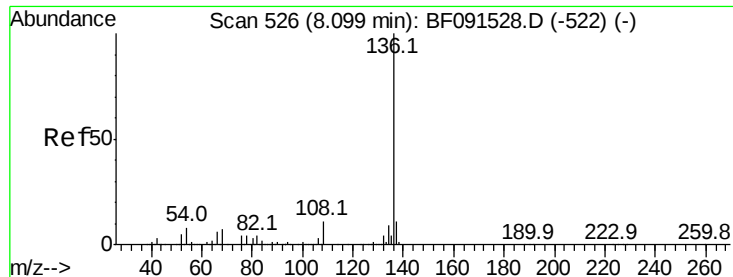
Delta R.T. -0.01 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Tgt Ion:	94	Resp:	73684
Ion	Ratio	Lower	Upper
94	100		
65	31.0	16.9	56.9
66	46.8	30.6	70.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.02 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Instrument :

BNA_F

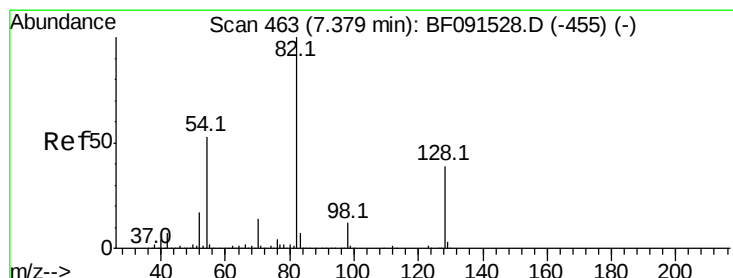
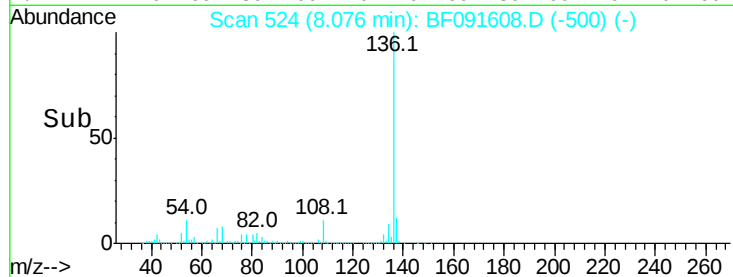
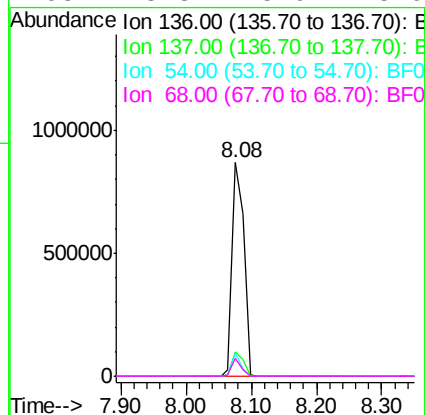
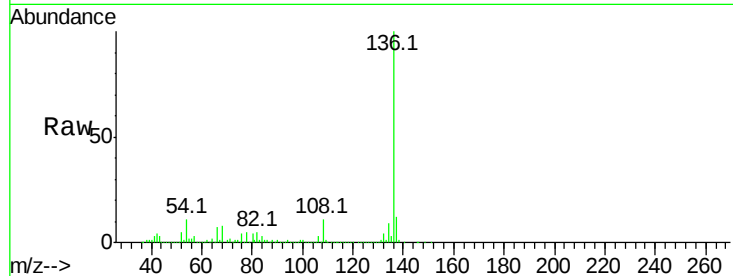
ClientSampleId :

WC-10-10-15

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	10.6	9.1	13.7
68	8.3	5.9	8.9

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#23

Nitrobenzene-d5

Concen: 41.14 ng

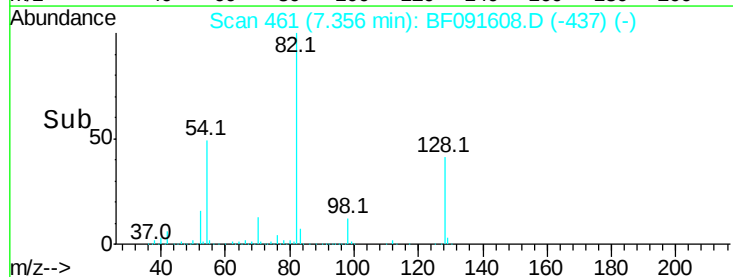
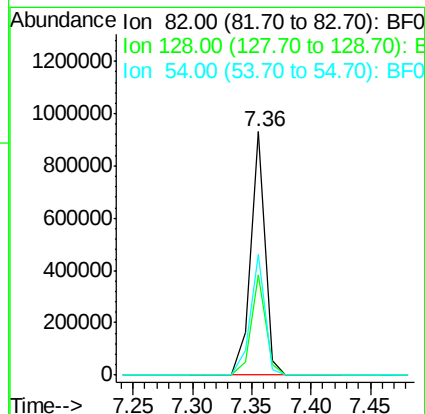
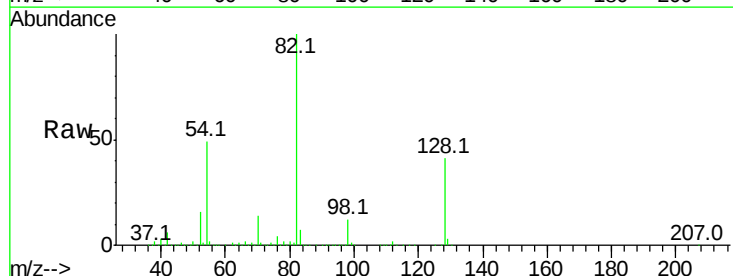
RT: 7.36 min Scan# 461

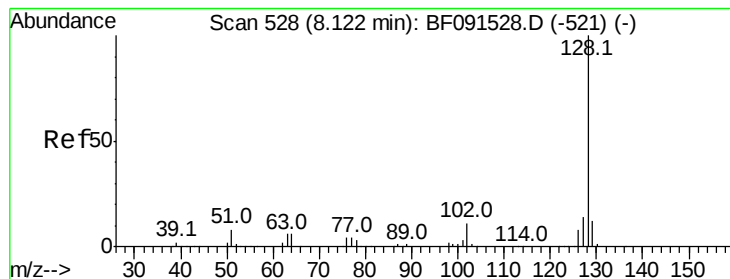
Delta R.T. -0.02 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.0	31.8	47.6
54	49.5	49.1	73.7





#31

Naphthalene

Concen: 4.37 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.02 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Instrument :

BNA_F

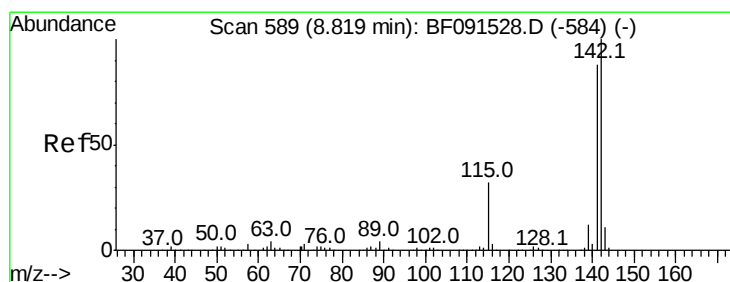
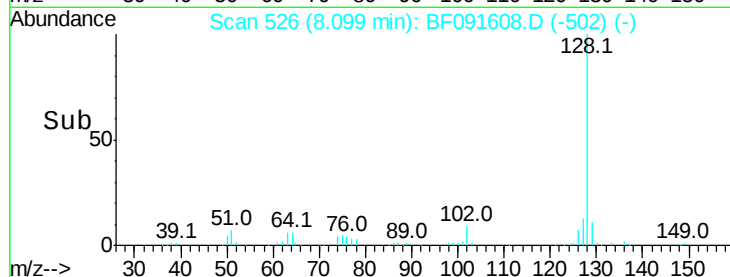
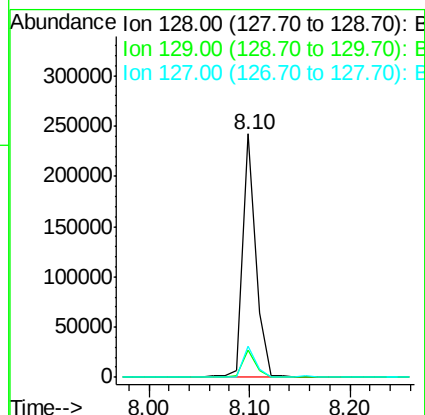
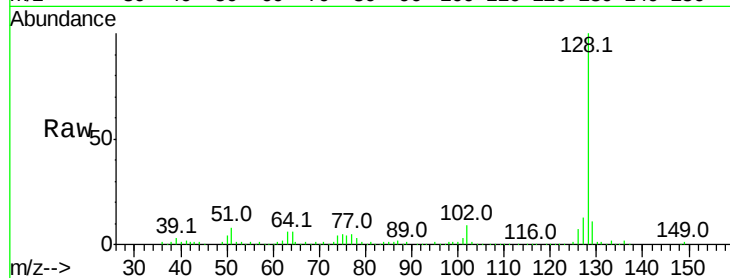
ClientSampleId :

WC-10-10-15

Tot Ion:	128	Resp:	219273
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.1	13.7
127	12.7	11.0	16.4

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#37

2-Methylnaphthalene

Concen: 2.37 ng

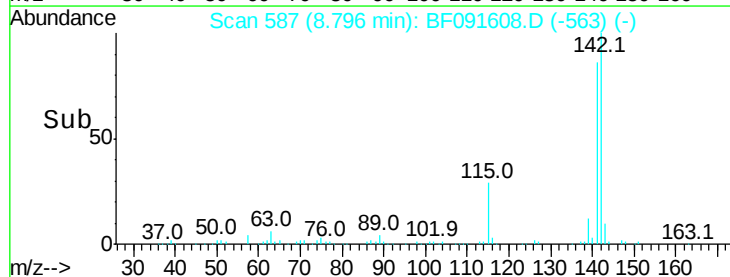
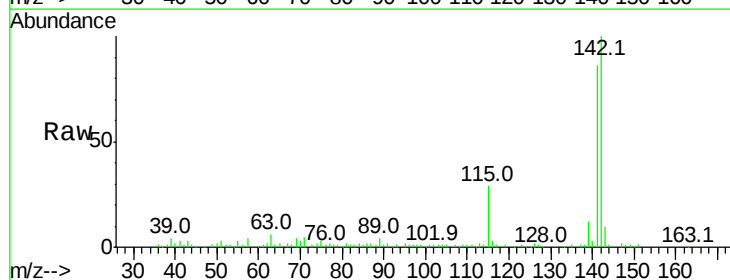
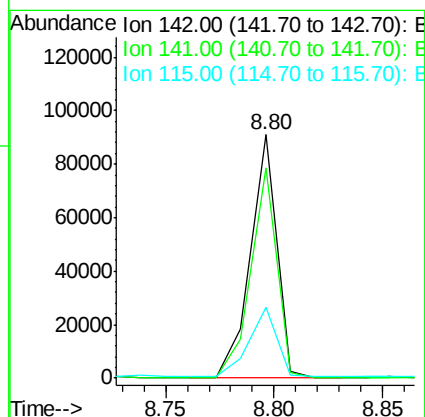
RT: 8.80 min Scan# 587

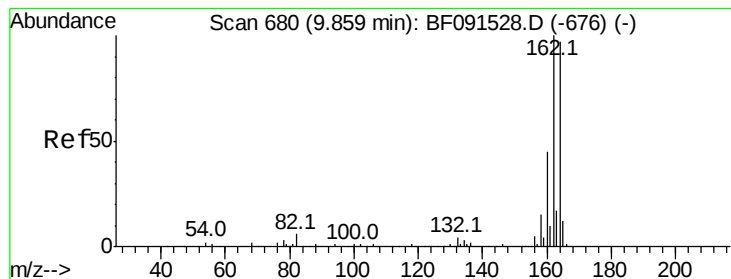
Delta R.T. -0.02 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Tgt Ion:	142	Resp:	77099
Ion Ratio	Lower	Upper	
142	100		
141	86.4	71.7	107.5
115	29.3	25.0	37.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.02 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Instrument :

BNA_F

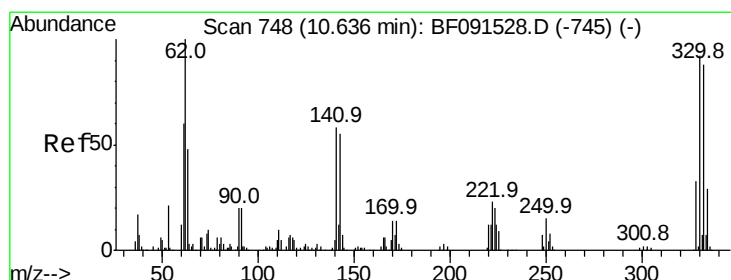
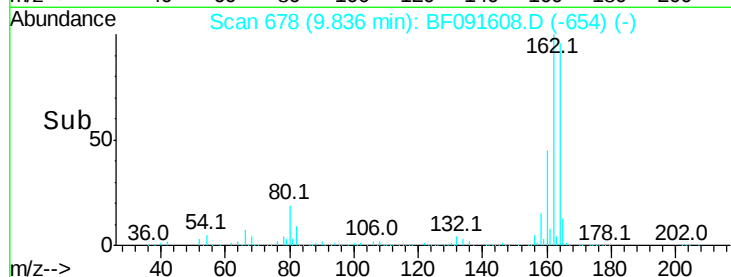
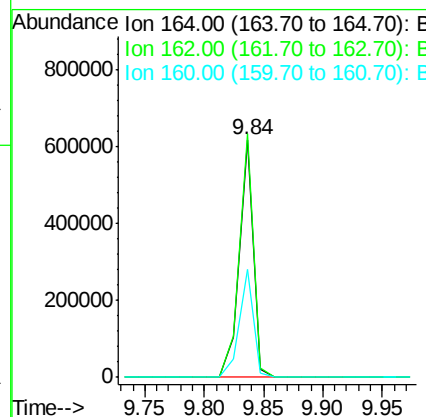
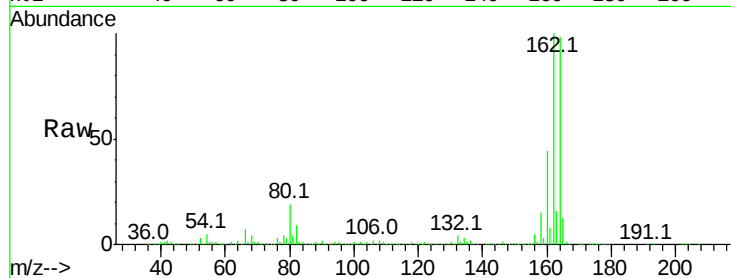
ClientSampleId :

WC-10-10-15

Tot Ion:	164	Resp:	513015
Ion Ratio	Lower	Upper	
164	100		
162	102.4	82.6	124.0
160	45.5	36.7	55.1

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#41

2,4,6-Tribromophenol

Concen: 43.43 ng

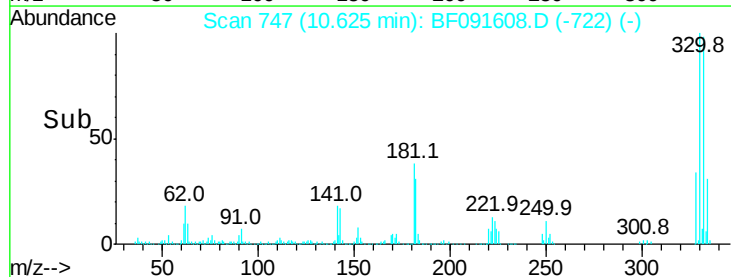
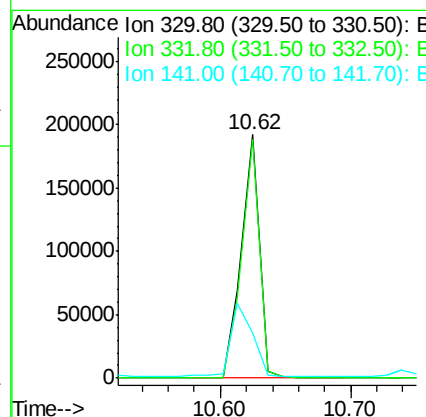
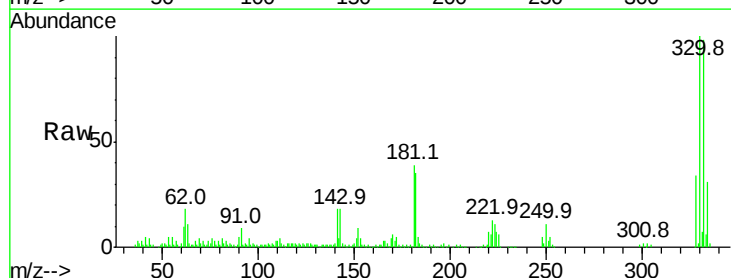
RT: 10.62 min Scan# 747

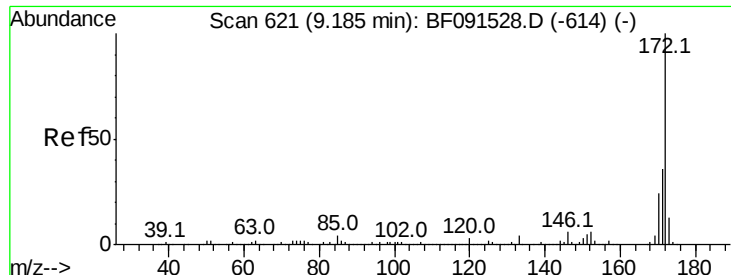
Delta R.T. -0.01 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Tgt Ion:	330	Resp:	185053
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.2	114.4
141	37.2	33.6	50.4





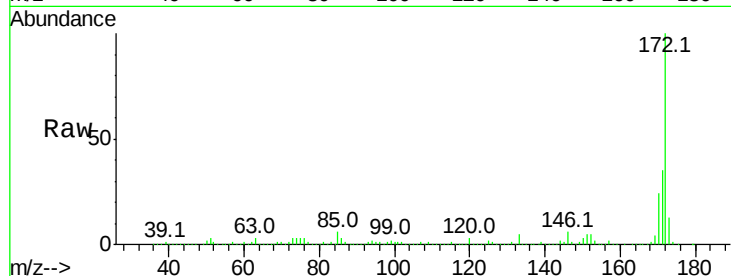
#44
2-Fluorobiphenyl
Concen: 44.21 ng
RT: 9.16 min Scan# 619
Delta R.T. -0.02 min
Lab File: BF091608.D
Acq: 15 Dec 2016 2:16

Instrument :
BNA_F
ClientSampleId :
WC-10-10-15

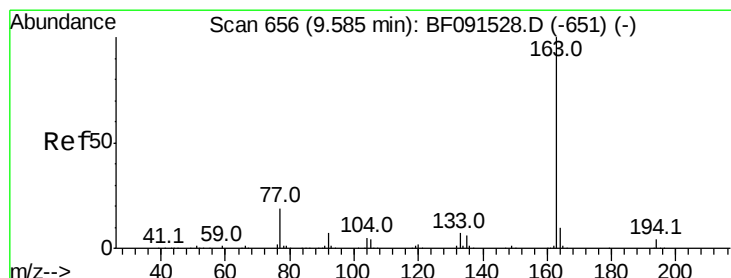
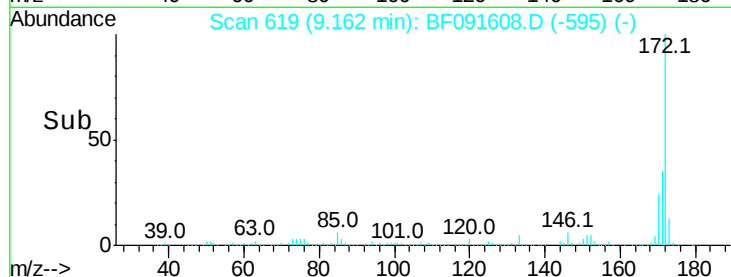
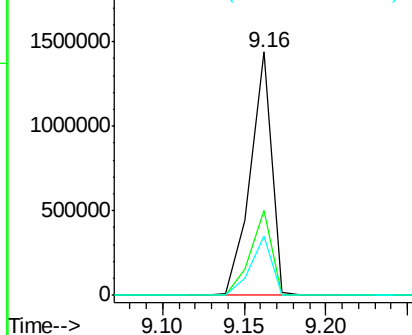
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.4	44.0
170	24.1	19.7	29.5

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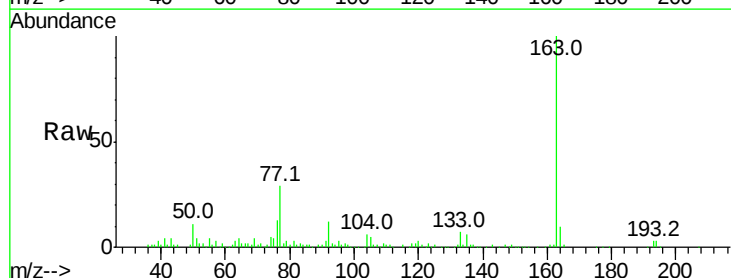


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

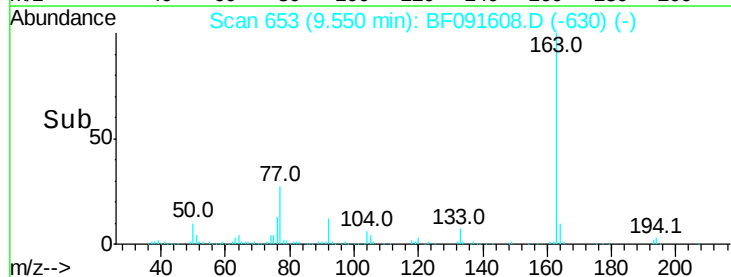
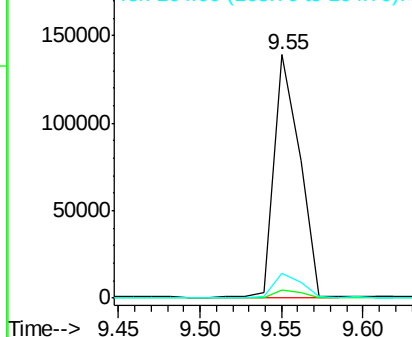


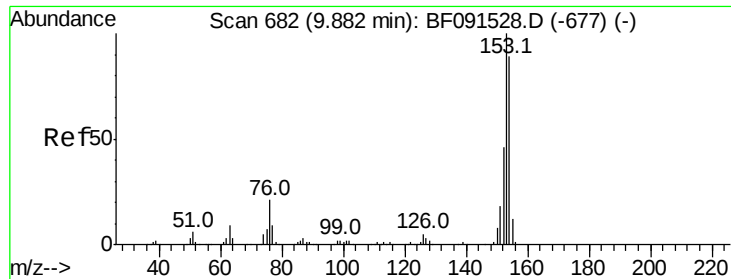
#49
Dimethylphthalate
Concen: 4.65 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.03 min
Lab File: BF091608.D
Acq: 15 Dec 2016 2:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.4
164	10.4	7.8	11.8



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





#51

Acenaphthene

Concen: 8.03 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Instrument :

BNA_F

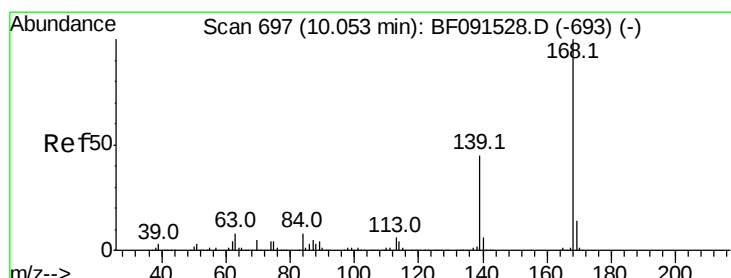
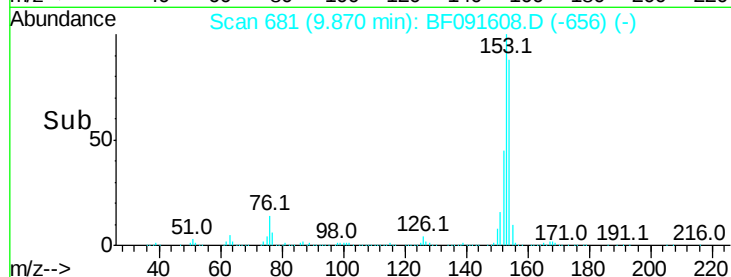
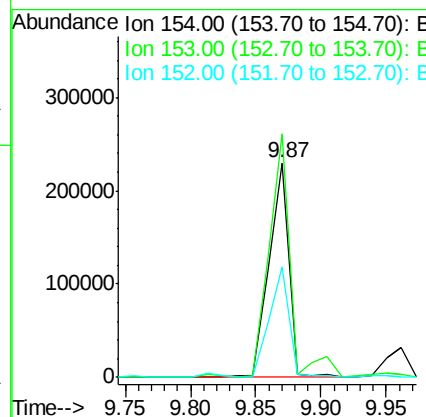
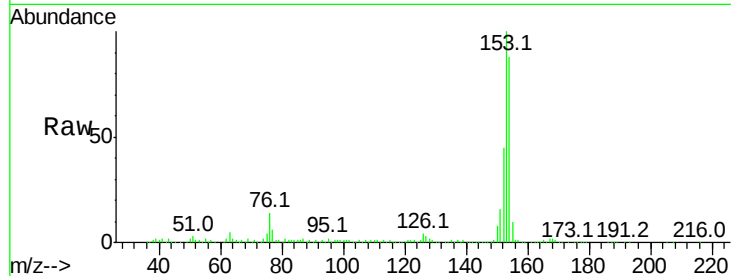
ClientSampleId :

WC-10-10-15

Tot Ion:	154	Resp:	244710
Ion Ratio	Lower	Upper	
154	100		
153	113.4	91.0	136.6
152	51.5	44.2	66.2

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#54

Dibenzofuran

Concen: 8.02 ng

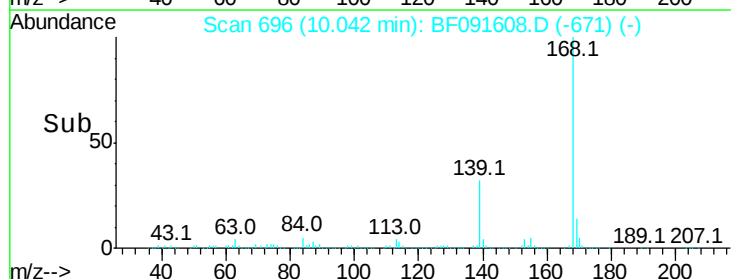
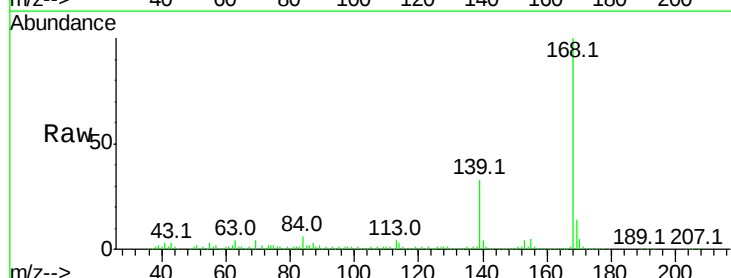
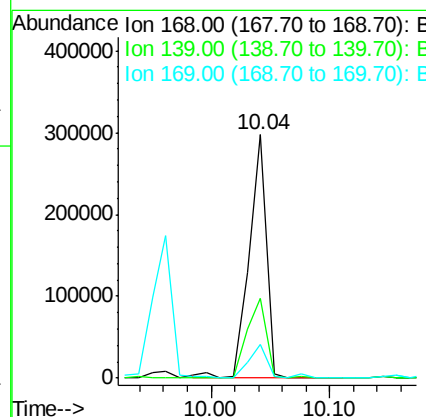
RT: 10.04 min Scan# 696

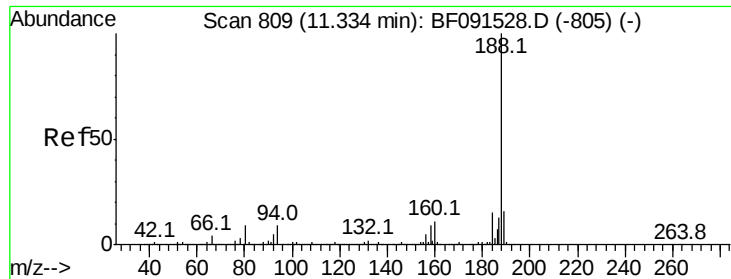
Delta R.T. -0.01 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Tgt Ion:	168	Resp:	302164
Ion Ratio	Lower	Upper	
168	100		
139	32.6	33.4	50.2#
169	13.6	11.1	16.7





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Instrument :

BNA_F

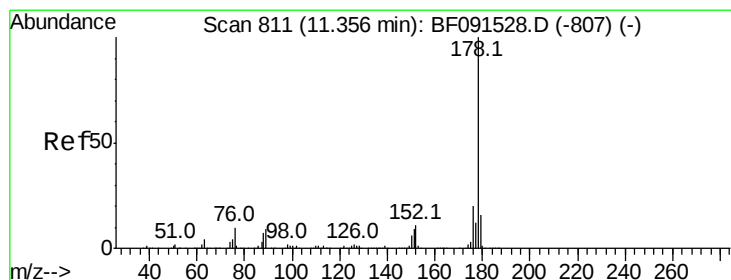
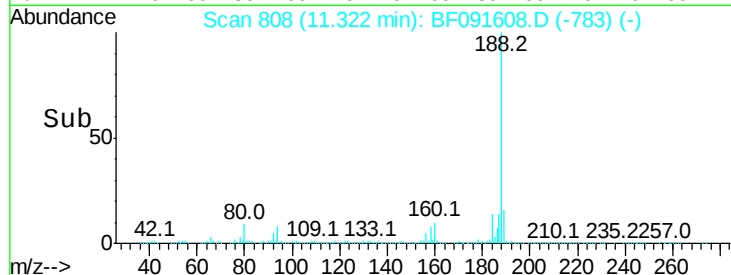
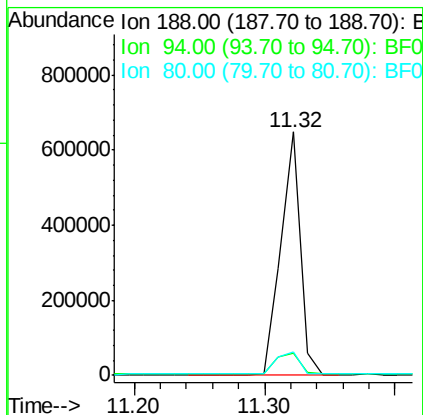
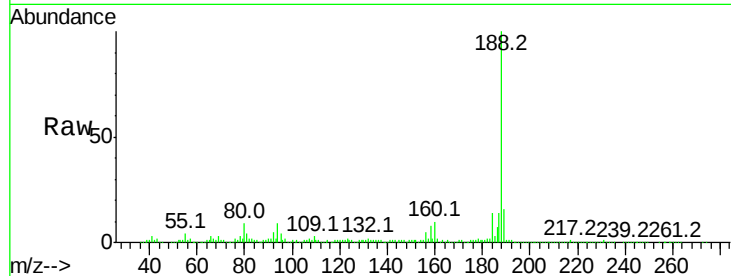
ClientSampleId :

WC-10-10-15

Tot Ion:	188	Resp:	685154
Ion Ratio	Lower	Upper	
188	100		
94	8.9	9.2	13.8#
80	9.4	10.5	15.7#

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#70

Phenanthrene

Concen: 101.70 ng

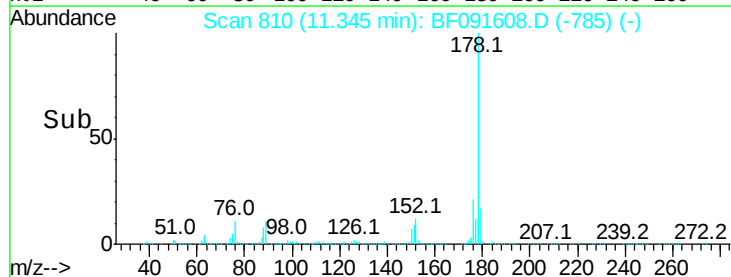
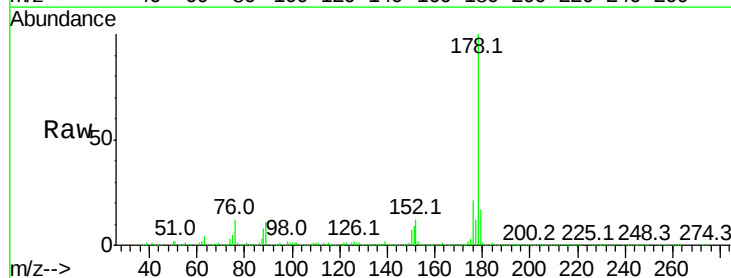
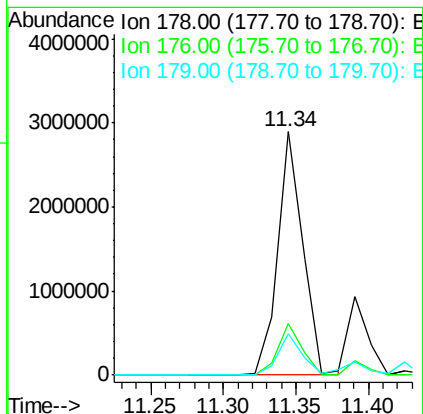
RT: 11.34 min Scan# 810

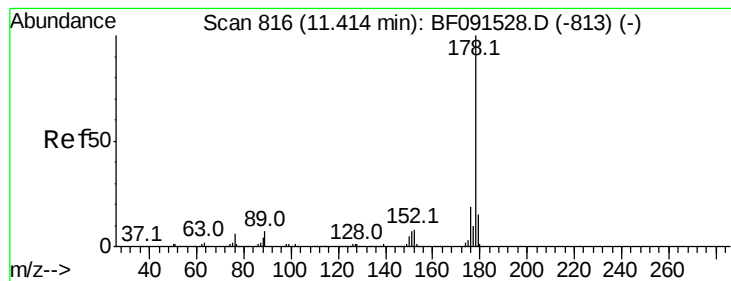
Delta R.T. -0.01 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Tgt Ion:	178	Resp:	3450701
Ion Ratio	Lower	Upper	
178	100		
176	21.2	15.9	23.9
179	17.1	12.6	18.8





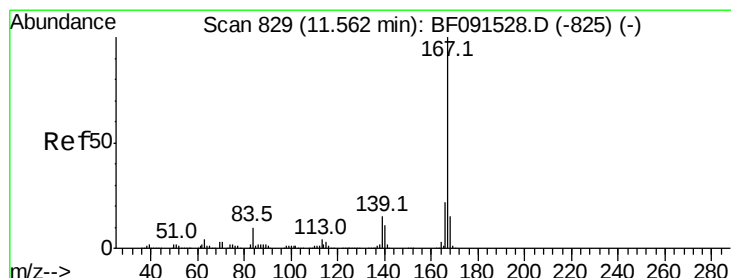
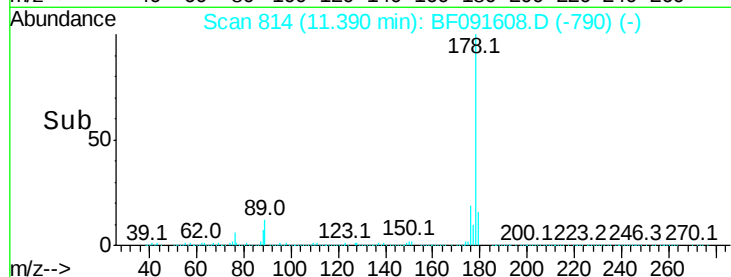
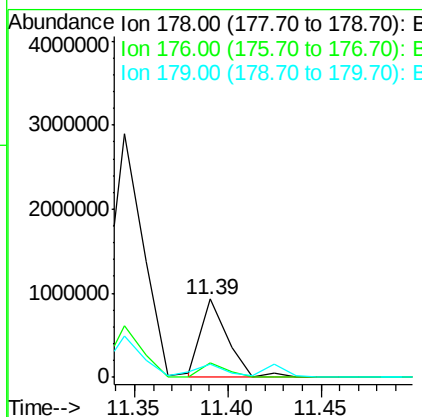
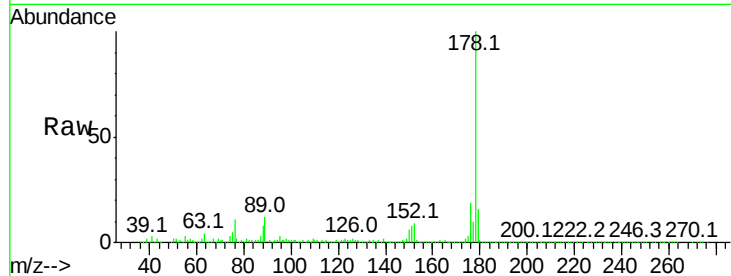
#71
 Anthracene
 Concen: 24.94 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.02 min
 Lab File: BF091608.D
 Acq: 15 Dec 2016 2:16

Instrument :
 BNA_F
 ClientSampleId :
 WC-10-10-15

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.6
179	16.3	12.7	19.1

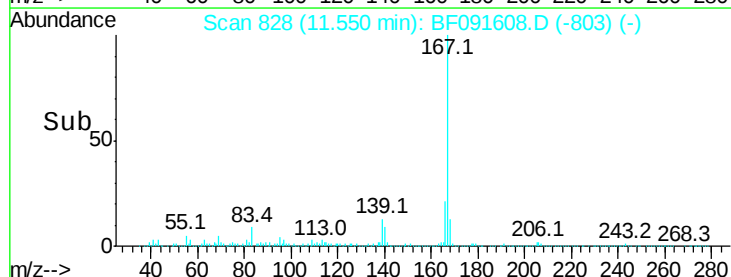
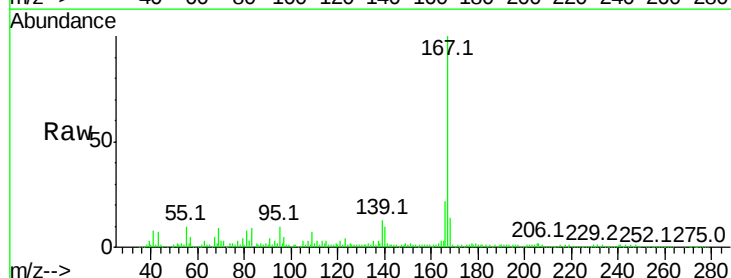
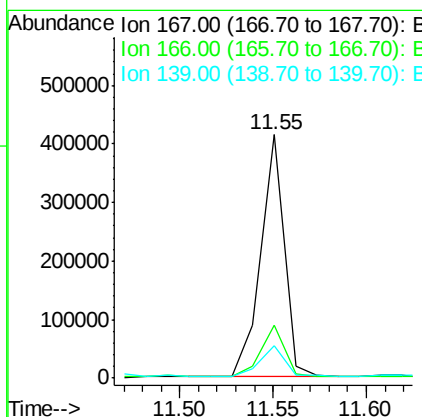
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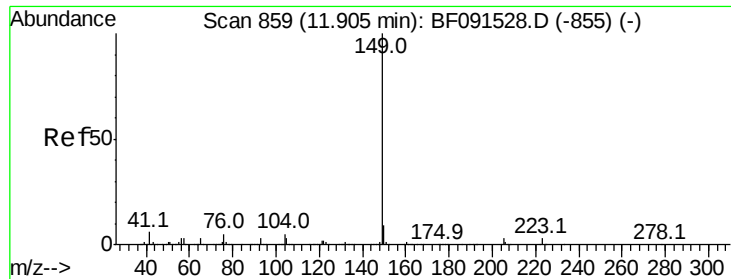
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#72
 Carbazole
 Concen: 11.24 ng
 RT: 11.55 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF091608.D
 Acq: 15 Dec 2016 2:16

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.1	27.1
139	13.2	11.5	17.3





#73

Di-n-butylphthalate

Concen: 4.85 ng

RT: 11.89 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Instrument :

BNA_F

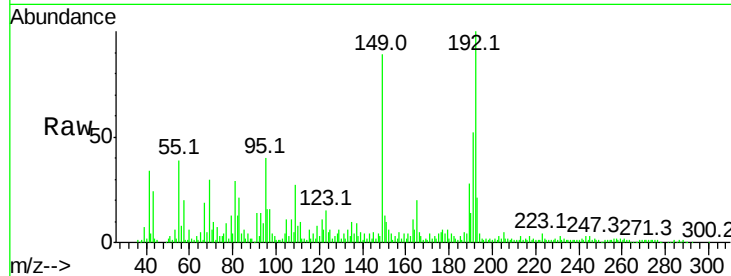
ClientSampleId :

WC-10-10-15

Tot Ion	Ratio	Resp	Lower	Upper
149	100	181116		
150	14.0	7.5	11.3#	
104	4.7	4.0	6.0	

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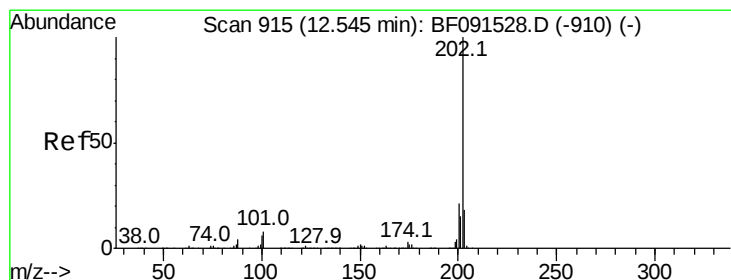
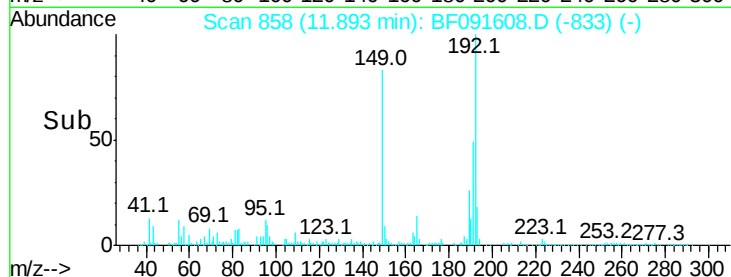
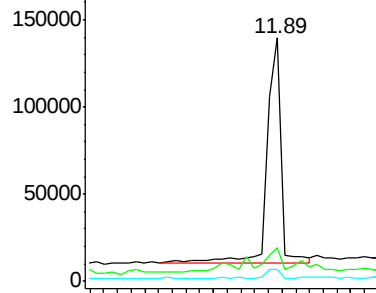


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 127.59 ng

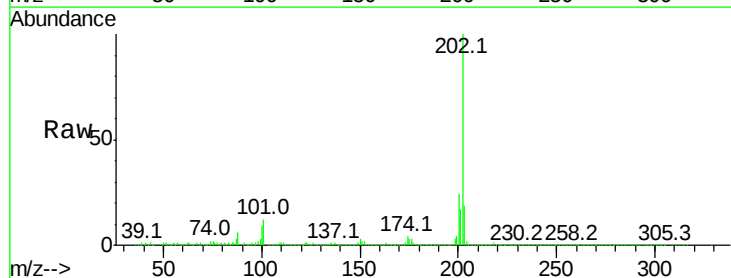
RT: 12.54 min Scan# 915

Delta R.T. -0.00 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	4532915		
101	12.4	0.0	29.5	
203	19.4	0.0	37.8	

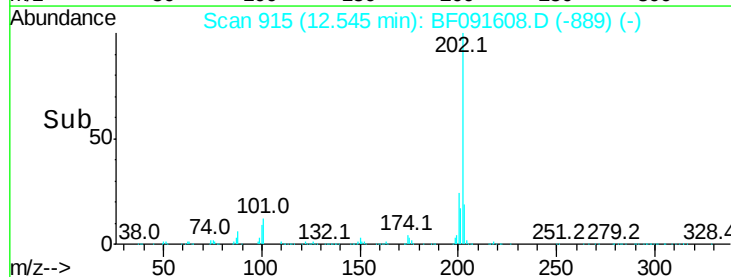
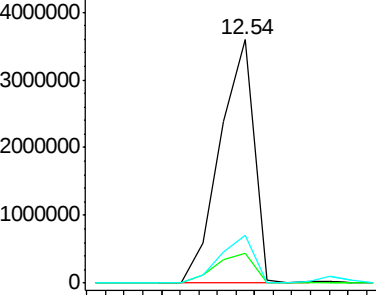


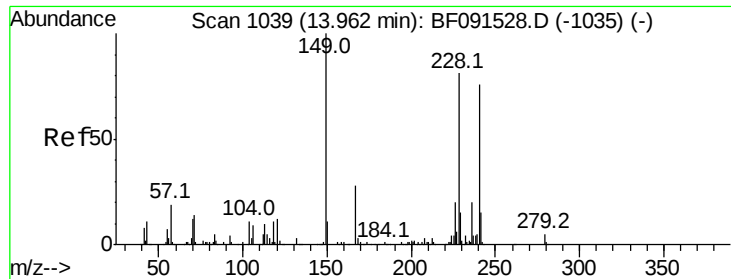
Abundance

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





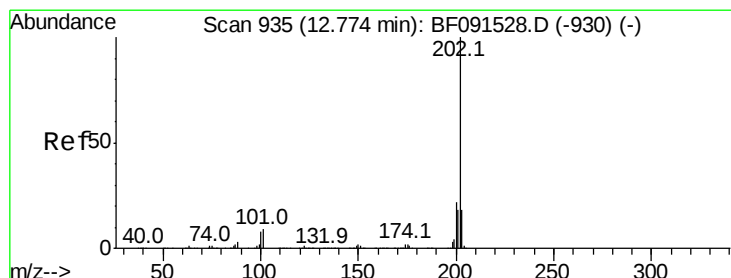
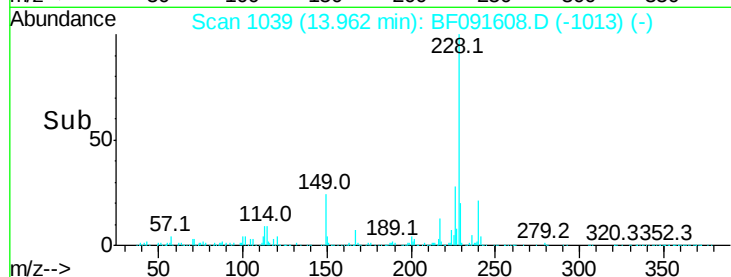
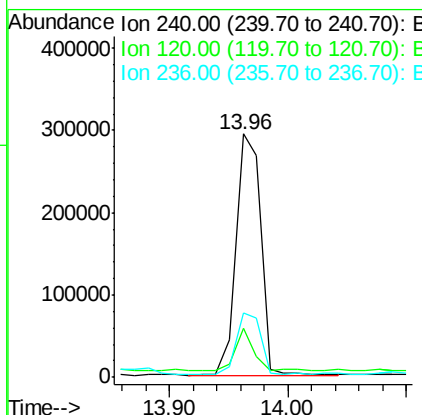
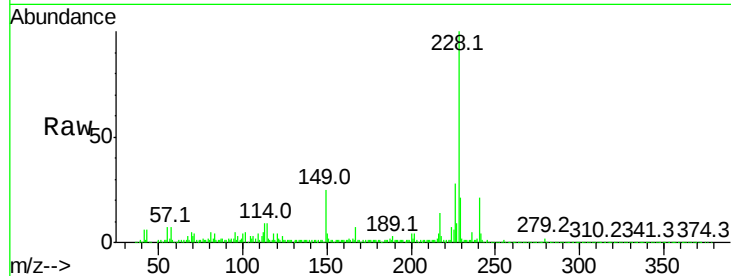
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF091608.D
Acq: 15 Dec 2016 2:16

Instrument :
BNA_F
ClientSampleId :
WC-10-10-15

Tot Ion	Ratio	Lower	Upper
240	100		
120	20.0	12.1	18.1#
236	26.4	21.0	31.6

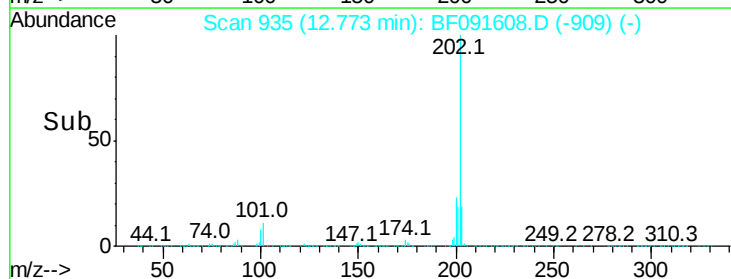
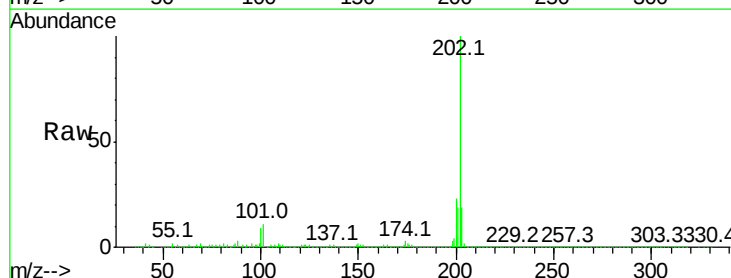
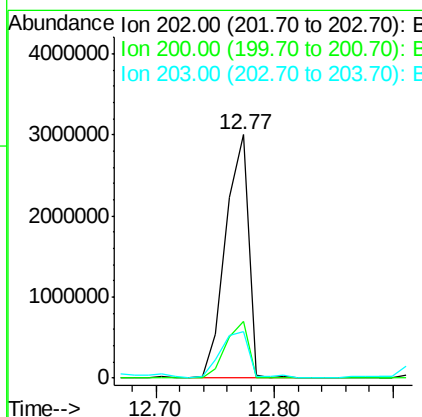
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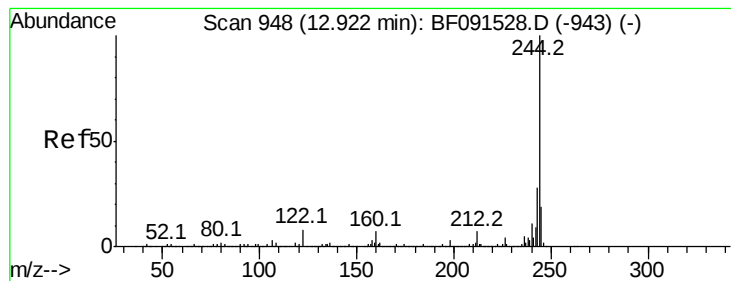
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#77
Pyrene
Concen: 117.87 ng
RT: 12.77 min Scan# 935
Delta R.T. -0.00 min
Lab File: BF091608.D
Acq: 15 Dec 2016 2:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.2	17.6	26.4
203	19.3	14.0	21.0





#78

Terphenyl-d14

Concen: 44.21 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

Instrument :

BNA_F

ClientSampleId :

WC-10-10-15

Tot Ion:244 Resp: 829635

Ion Ratio Lower Upper

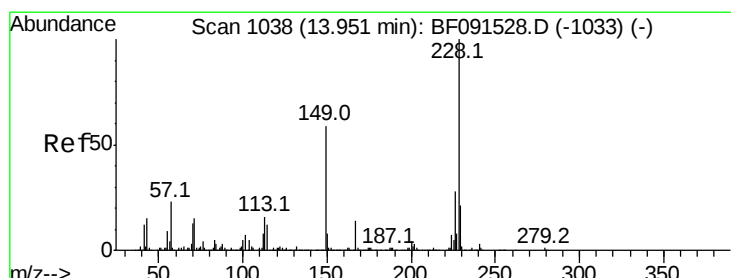
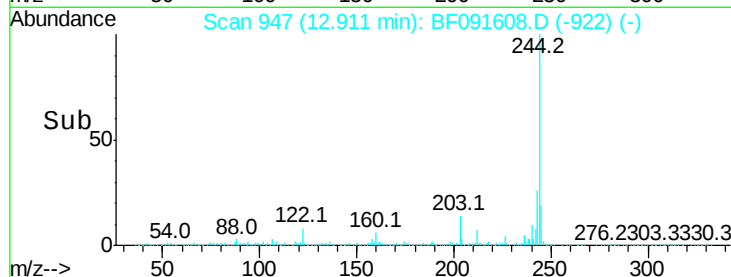
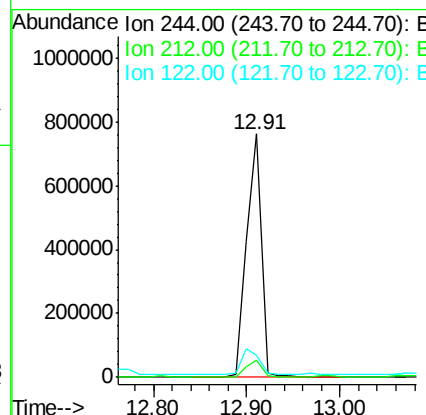
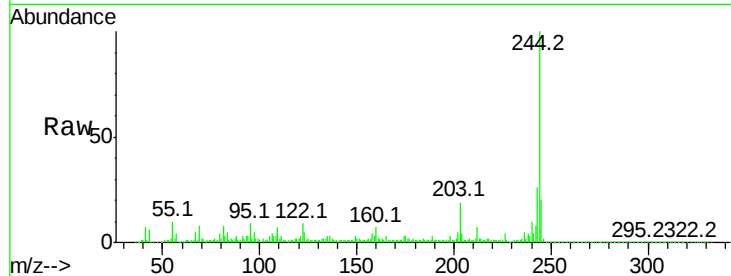
244 100

212 6.9 6.5 9.7

122 9.3 9.5 14.3#

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#80

Benzo(a)anthracene

Concen: 97.06 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF091608.D

Acq: 15 Dec 2016 2:16

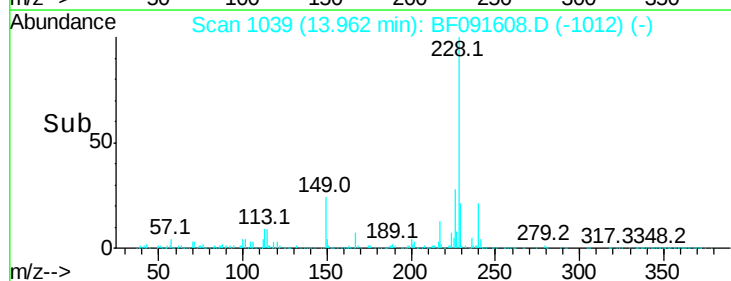
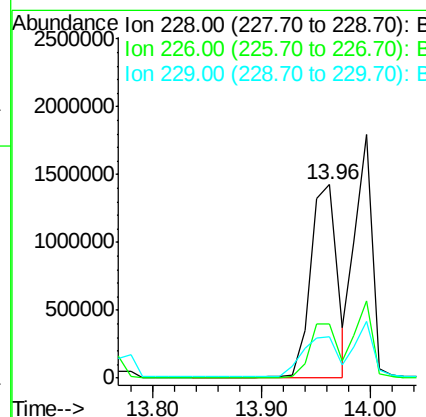
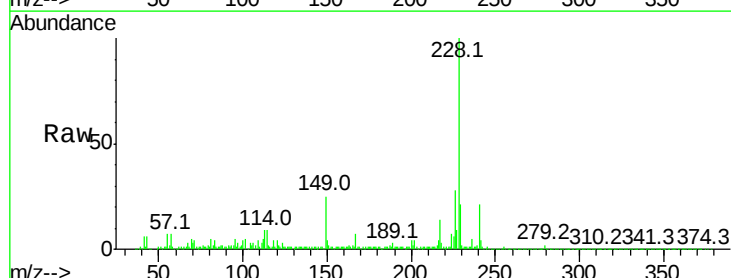
Tgt Ion:228 Resp: 2400547

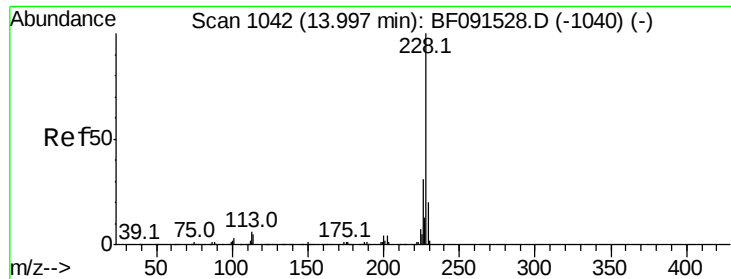
Ion Ratio Lower Upper

228 100

226 28.2 22.5 33.7

229 21.2 16.4 24.6





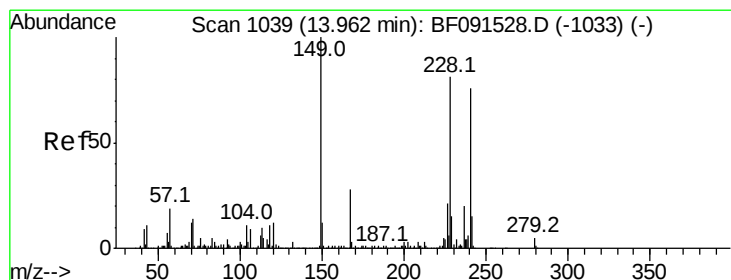
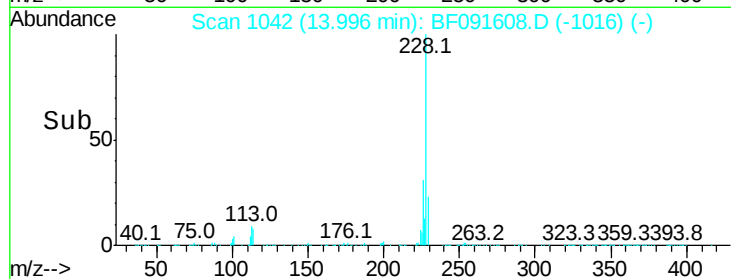
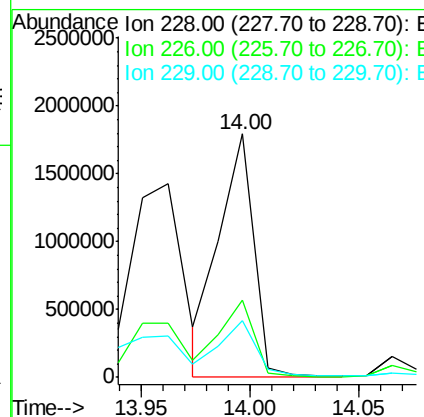
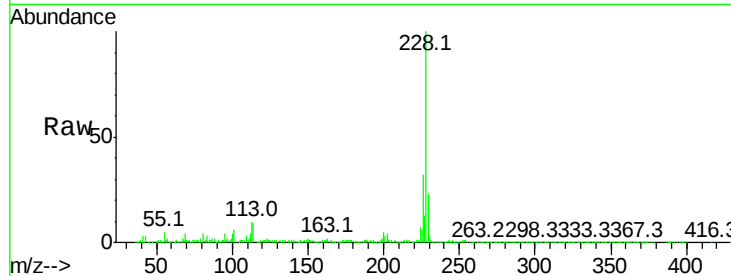
#82
 Chrysene
 Concen: 75.90 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BF091608.D
 Acq: 15 Dec 2016 2:16

Instrument :
 BNA_F
 ClientSampleId :
 WC-10-10-15

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.4
229	23.4	16.0	24.0

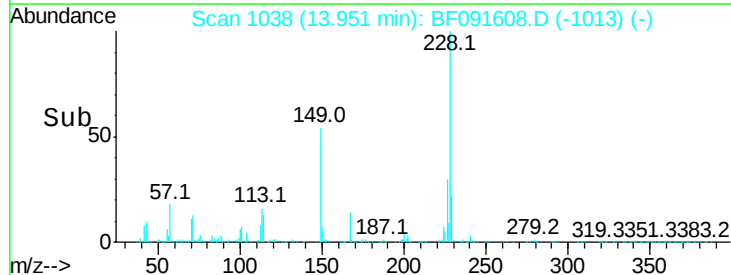
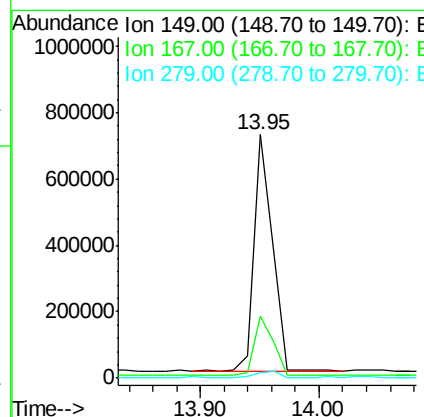
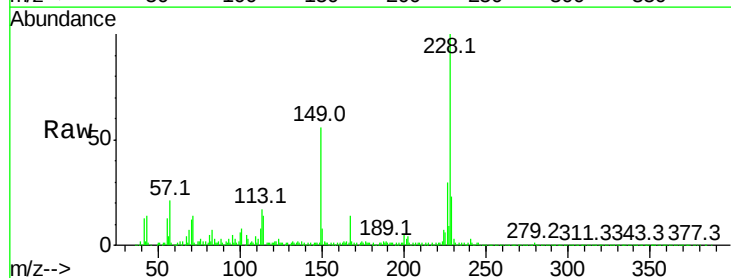
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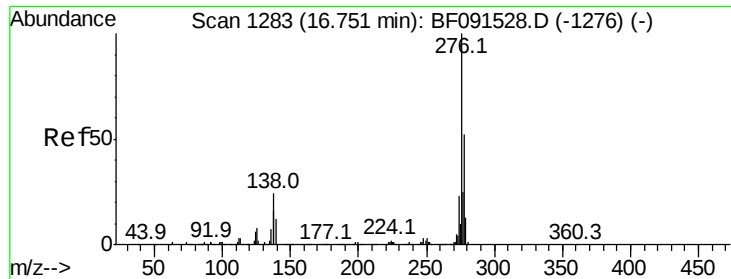
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.45 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF091608.D
 Acq: 15 Dec 2016 2:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.5	19.6	29.4
279	2.5	1.9	2.9





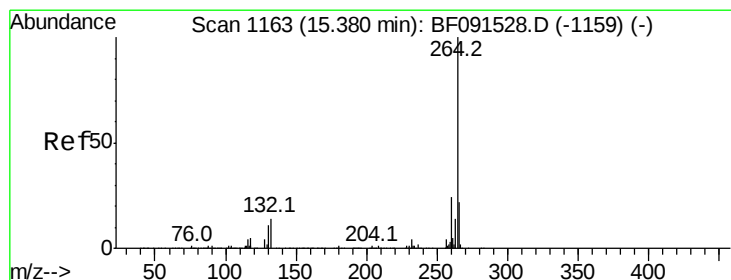
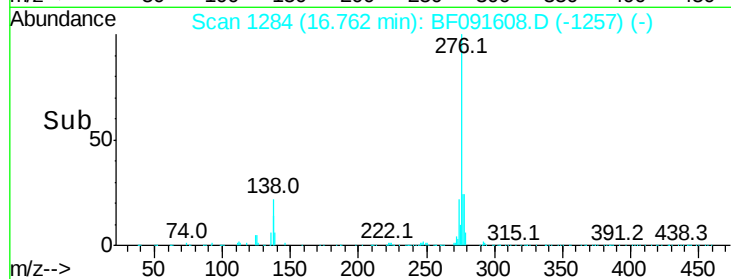
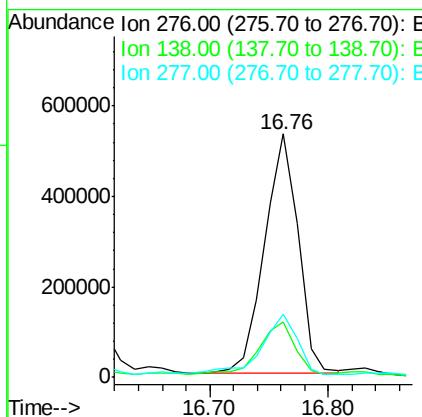
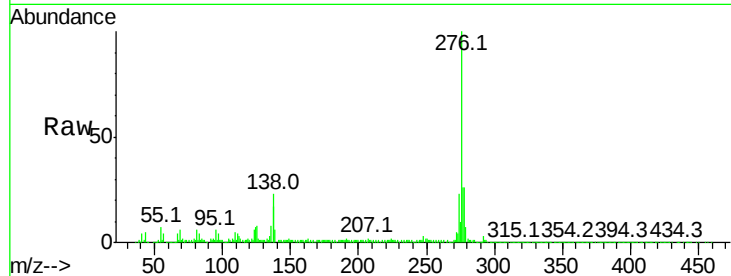
#85
Indeno(1,2,3-cd)pyrene
Concen: 44.92 ng
RT: 16.76 min Scan# 1284
Delta R.T. 0.01 min
Lab File: BF091608.D
Acq: 15 Dec 2016 2:16

Instrument :
BNA_F
ClientSampleId :
WC-10-10-15

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.3	21.0	31.4
277	26.5	20.2	30.2

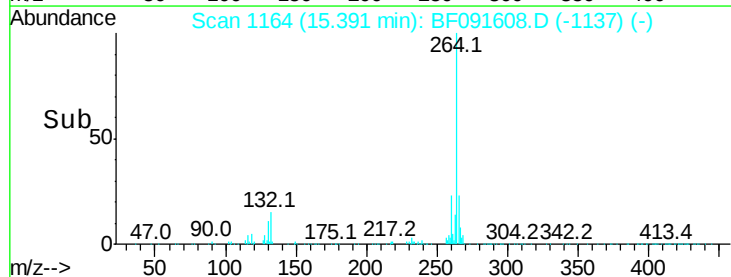
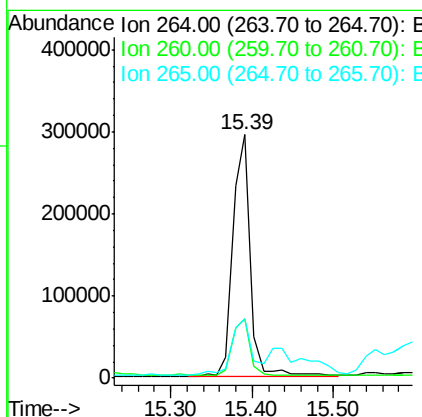
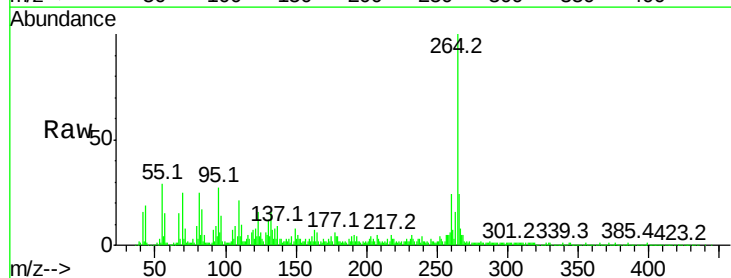
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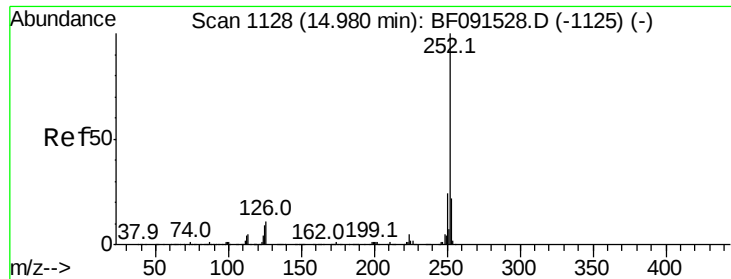
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. 0.01 min
Lab File: BF091608.D
Acq: 15 Dec 2016 2:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.8	28.2
265	24.4	17.0	25.6





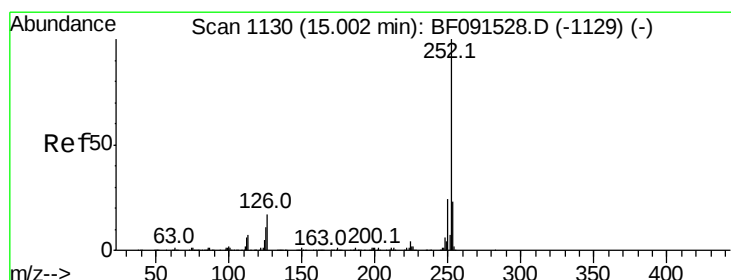
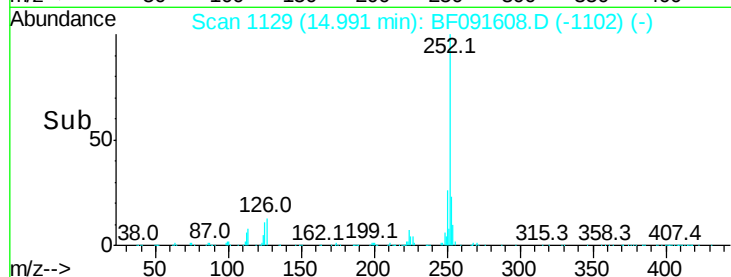
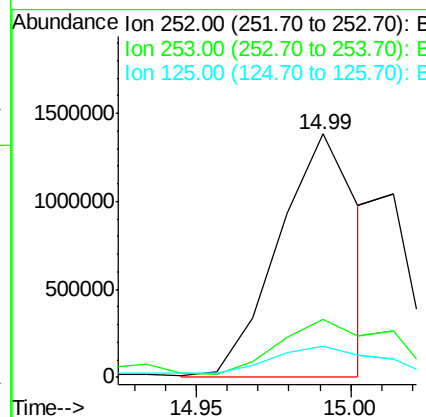
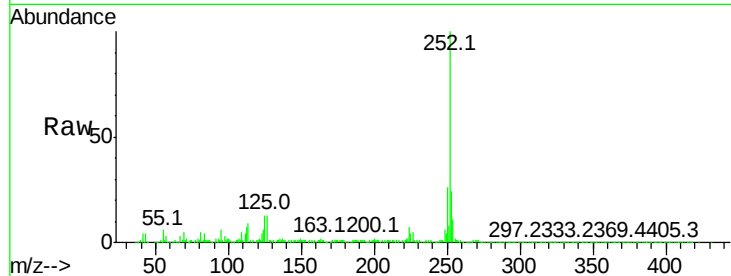
#87
Benzo(b)fluoranthene
Concen: 95.17 ng m
RT: 14.99 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BF091608.D
Acq: 15 Dec 2016 2:16

Instrument :
BNA_F
ClientSampleId :
WC-10-10-15

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	12.5	8.6	13.0

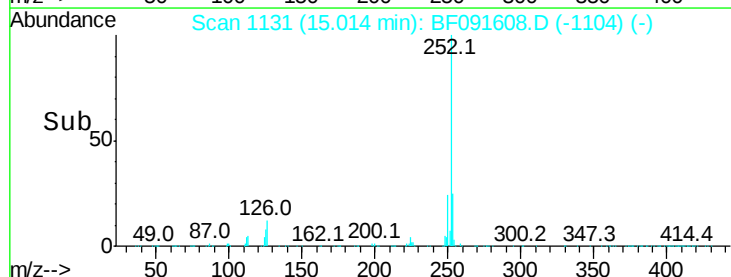
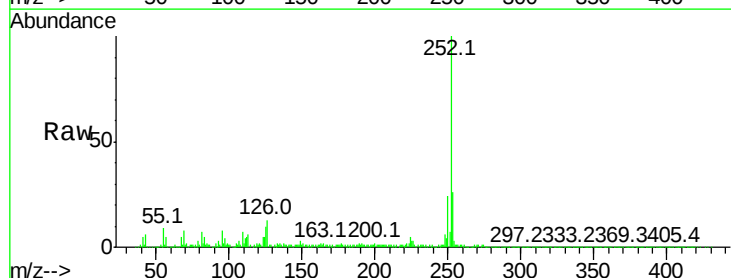
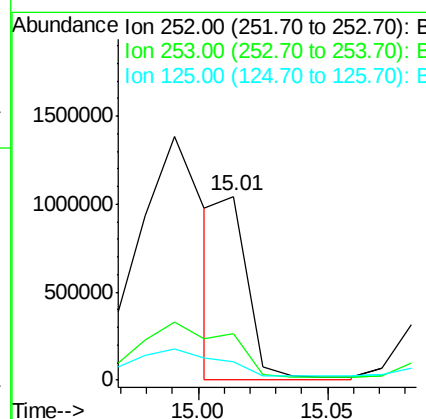
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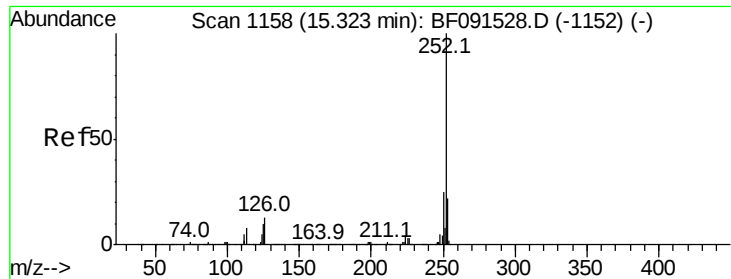
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#88
Benzo(k)fluoranthene
Concen: 34.67 ng m
RT: 15.01 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF091608.D
Acq: 15 Dec 2016 2:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.8	26.8
125	9.9	9.6	14.4





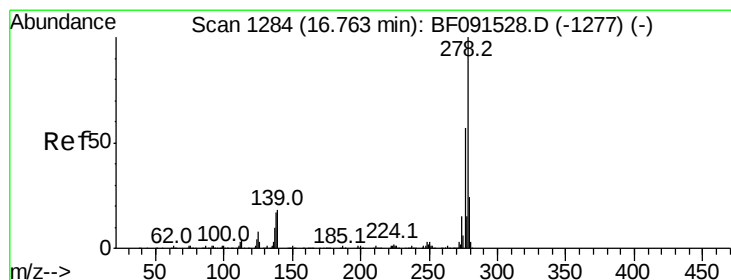
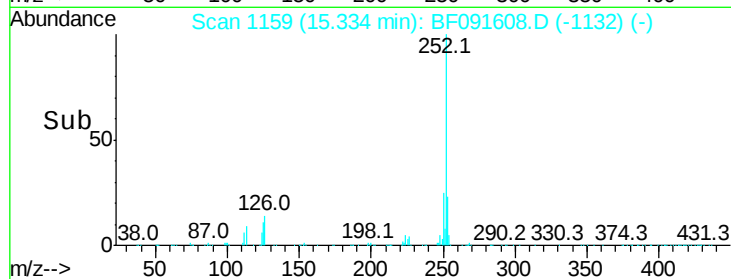
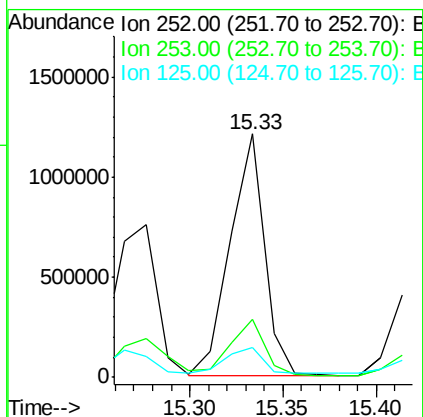
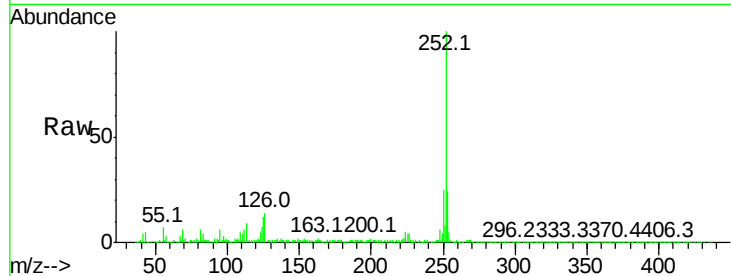
#89
Benzo(a)pyrene
Concen: 66.02 ng
RT: 15.33 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF091608.D
Acq: 15 Dec 2016 2:16

Instrument :
BNA_F
ClientSampleId :
WC-10-10-15

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.4
125	12.1	10.4	15.6

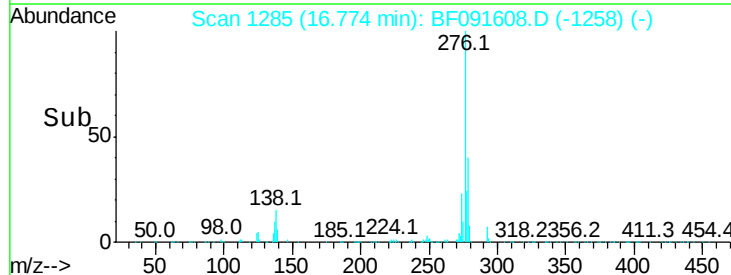
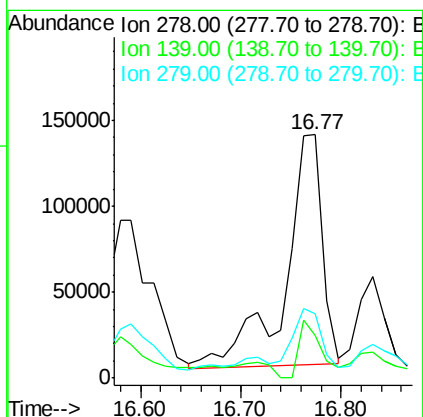
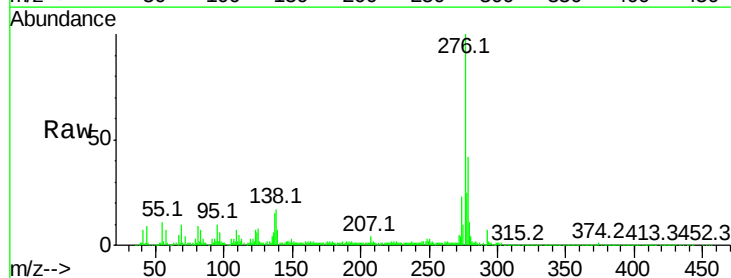
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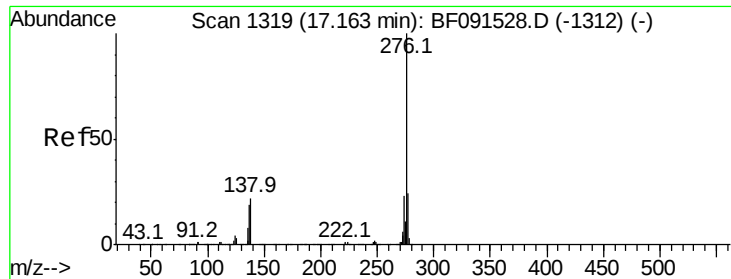
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#90
Dibenzo(a,h)anthracene
Concen: 16.36 ng
RT: 16.77 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BF091608.D
Acq: 15 Dec 2016 2:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.7	15.1	22.7
279	26.7	19.0	28.6





#91
 Benzo(a,h,i)perylene
 Concen: 44.07 ng
 RT: 17.17 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: BF091608.D
 Acq: 15 Dec 2016 2:16

Instrument :
 BNA_F
 ClientSampleId :
 WC-10-10-15

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.1	19.0	28.4
138	25.0	15.4	23.0

Manual Integrations
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