

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091516\
 Data File : BF090096.D
 Acq On : 15 Sep 2016 17:19
 Operator : UM/SJ
 Sample : H4778-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Manual Integrations
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 9/16/2016 3:58:01 AM

Quant Time: Sep 16 01:07:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 11:18:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	161908	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	646700	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	295280	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	527706	20.00	ng	0.00
75) Chrysene-d12	13.67	240	310099	20.00	ng	0.00
86) Perylene-d12	14.99	264	350659	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1321551	131.27	ng	0.01
7) Phenol-d6	6.20	99	1574846	119.49	ng	0.00
23) Nitrobenzene-d5	7.12	82	968939	84.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	335643	113.16	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	1465620	77.95	ng	-0.01
78) Terphenyl-d14	12.63	244	1119483	85.73	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.31	163	550132	25.08	ng	99
70) Phenanthrene	11.07	178	64363	2.52	ng	97
74) Fluoranthene	12.25	202	583089	21.82	ng	93
77) Pyrene	12.47	202	770102	34.03	ng	97
80) Benzo(a)anthracene	13.66	228	807871	44.63	ng	98
82) Chrysene	13.69	228	852893	50.23	ng	98
83) Bis(2-ethylhexyl)phthalate	13.68	149	30224	2.17	ng	98
85) Indeno(1,2,3-cd)pyrene	16.18	276	425183	28.82	ng	99
87) Benzo(b)fluoranthene	14.65	252	1249042m	60.76	ng	
88) Benzo(k)fluoranthene	14.66	252	363371m	19.63	ng	
89) Benzo(a)pyrene	14.95	252	805866	43.71	ng	# 94
90) Dibenzo(a,h)anthracene	16.18	278	116124m	8.04	ng	
91) Benzo(g,h,i)perylene	16.53	276	353320	25.64	ng	98

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

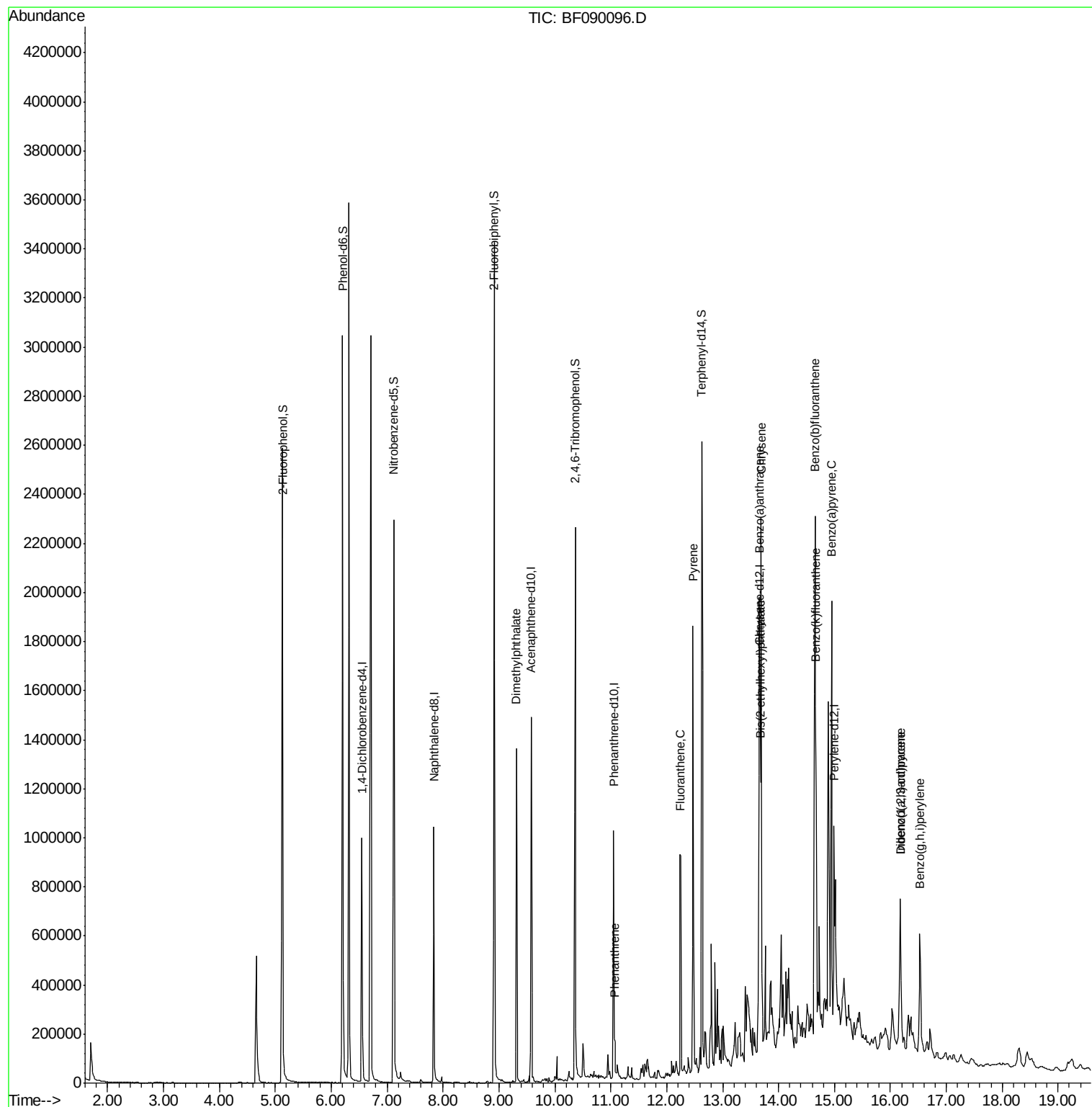
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091516\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

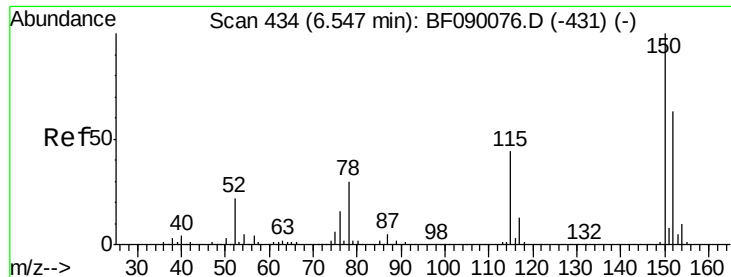
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

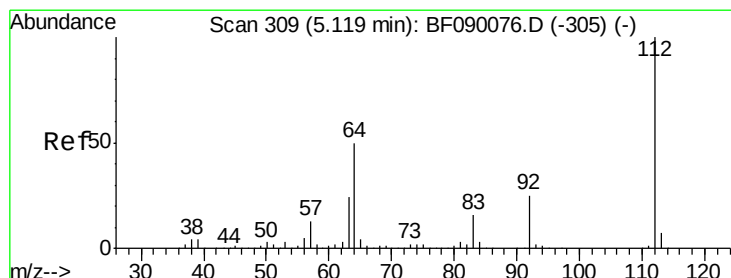
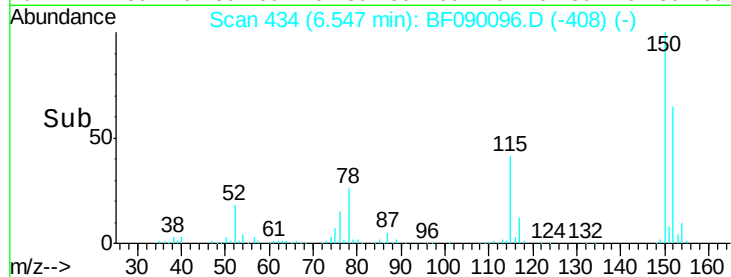
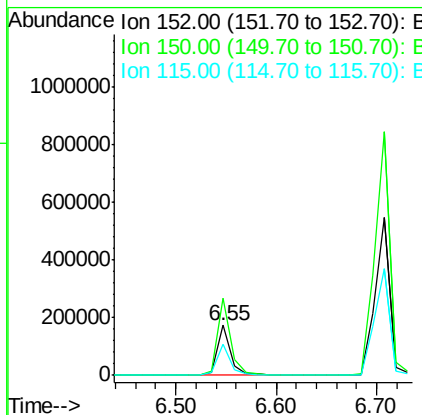
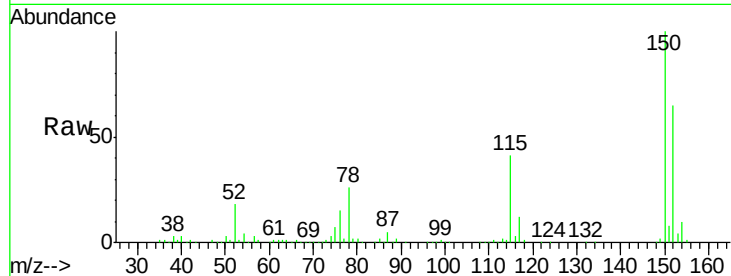
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. -0.00 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

Instrument :
BNA_F
ClientSampled :
WASTE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.7	128.9	193.3
115	63.1	55.5	83.3

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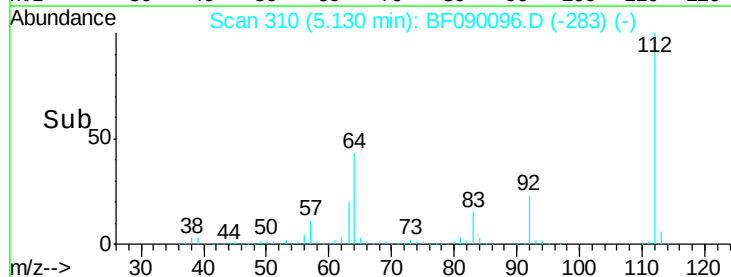
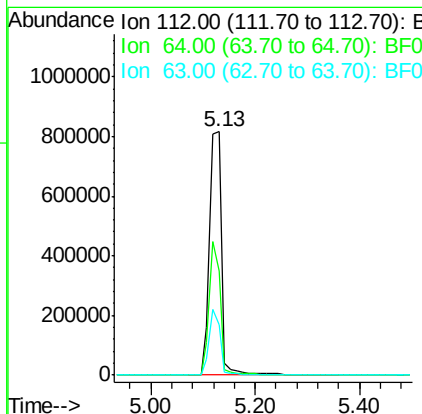
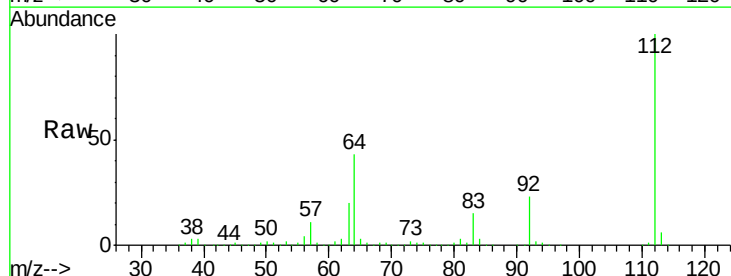
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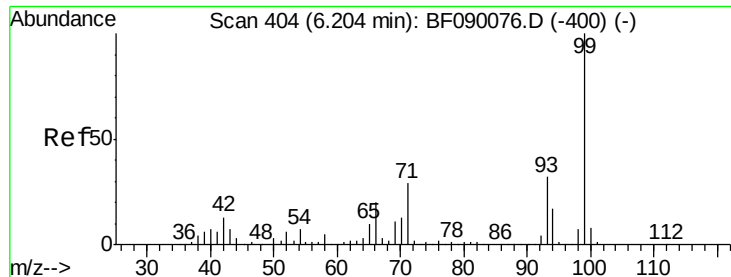


#5

2-Fluorophenol
Concen: 131.27 ng
RT: 5.13 min Scan# 310
Delta R.T. 0.01 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.6	39.8	59.6
63	20.5	18.9	28.3





#7

Phenol-d6

Concen: 119.49 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Instrument :

BNA_F

ClientSampleId :

WASTE

Tgt Ion: 99 Resp: 1574846

Ion Ratio Lower Upper

99 100

42 12.8 10.6 15.8

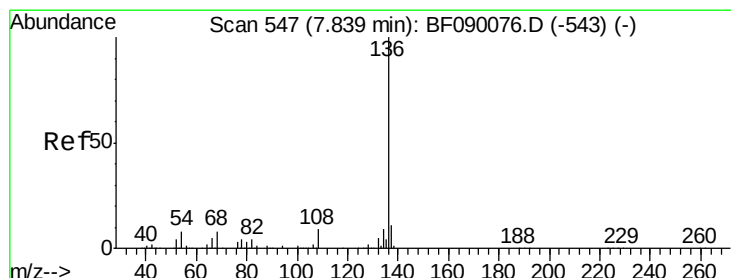
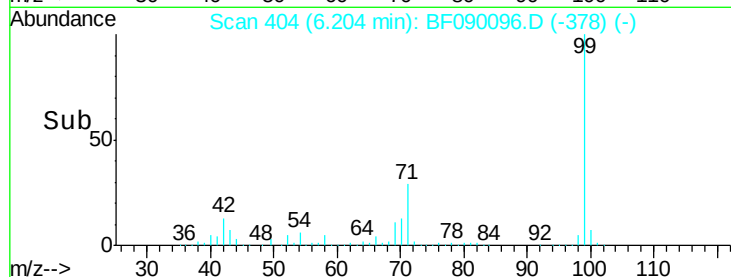
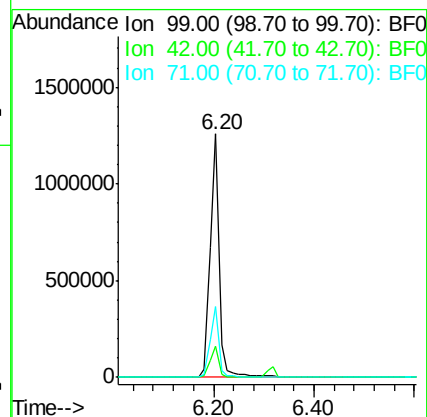
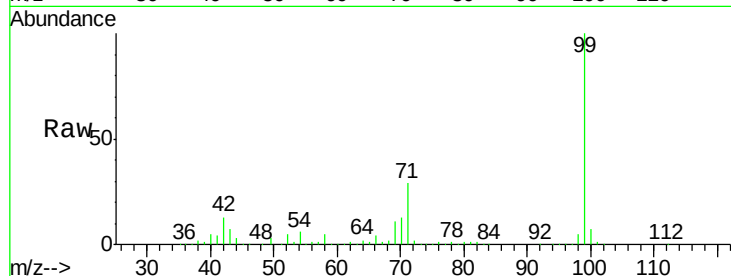
71 29.1 23.0 34.6

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 547

Delta R.T. -0.00 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Tgt Ion: 136 Resp: 646700

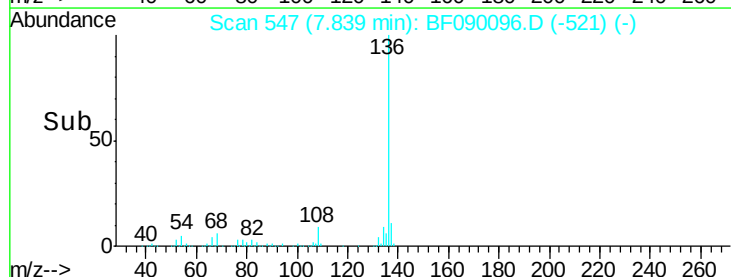
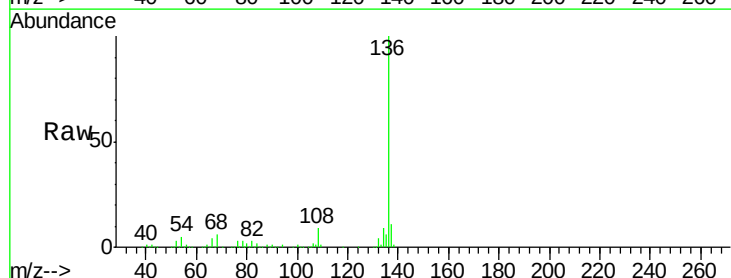
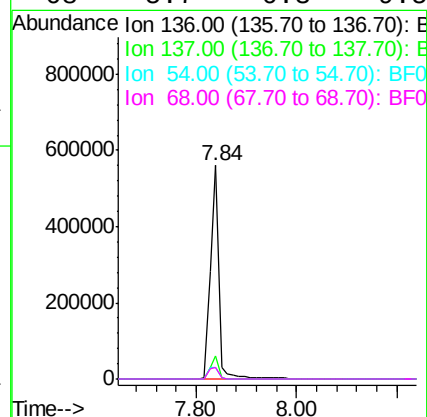
Ion Ratio Lower Upper

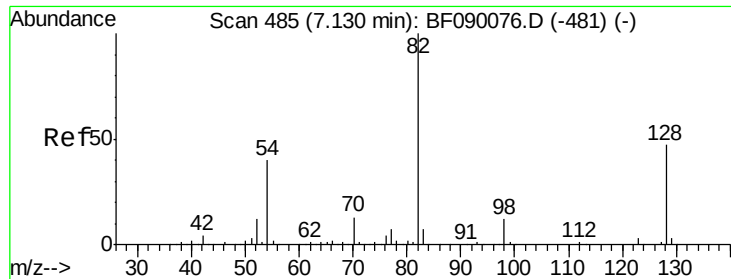
136 100

137 10.6 9.0 13.4

54 5.4 6.4 9.6#

68 5.7 6.3 9.5#





#23

Nitrobenzene-d5

Concen: 84.24 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Instrument :

BNA_F

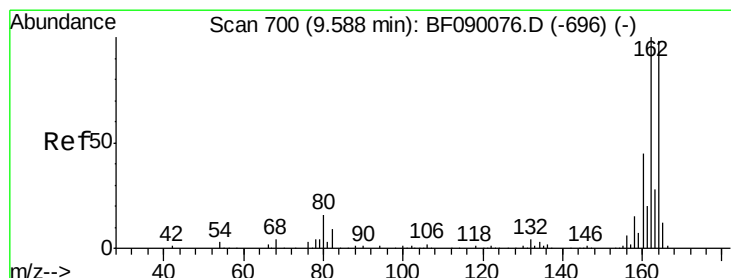
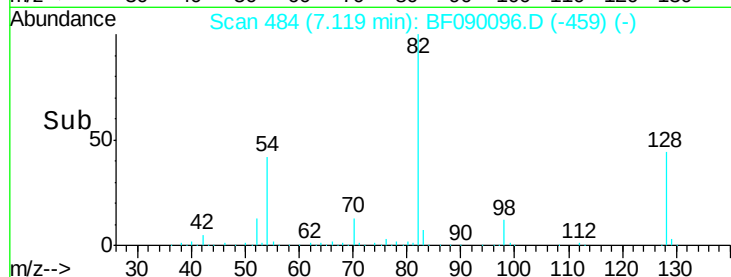
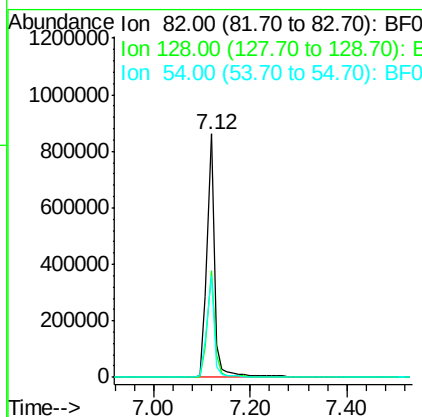
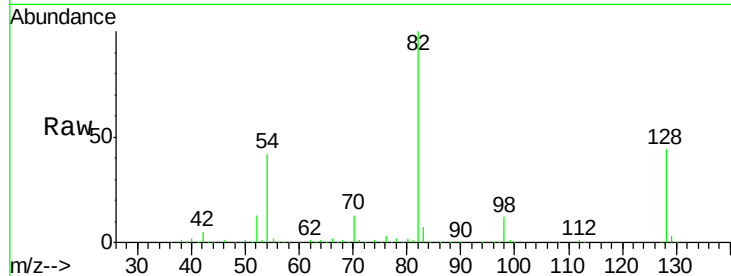
ClientSampled :

WASTE

Tgt Ion:	82	Resp:	968939
Ion Ratio	Lower	Upper	
82	100		
128	44.0	37.5	56.3
54	41.6	31.9	47.9

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#38

Acenaphthene-d10

Concen: 20.00 ng

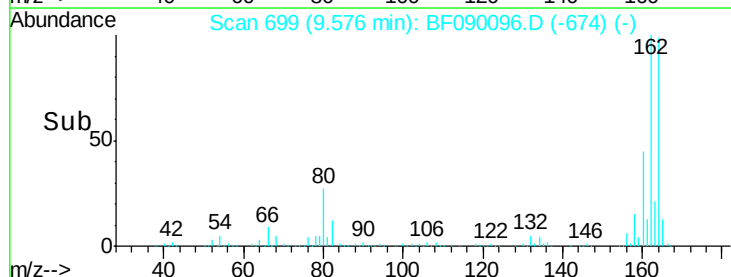
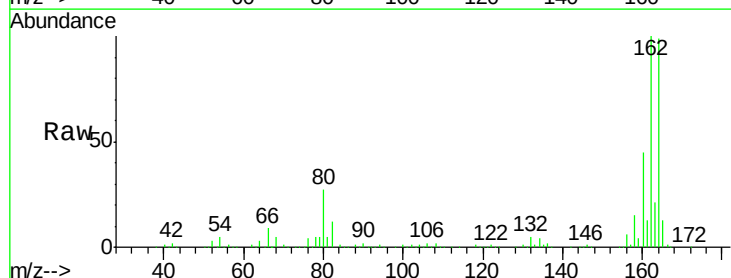
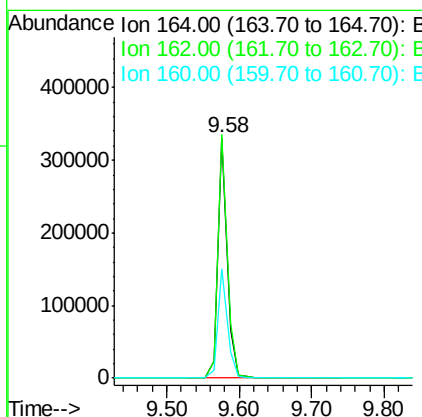
RT: 9.58 min Scan# 699

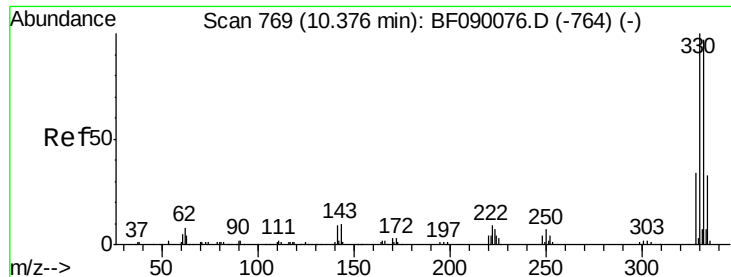
Delta R.T. -0.01 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Tgt Ion:	164	Resp:	295280
Ion Ratio	Lower	Upper	
164	100		
162	101.5	81.4	122.2
160	45.5	36.6	54.8





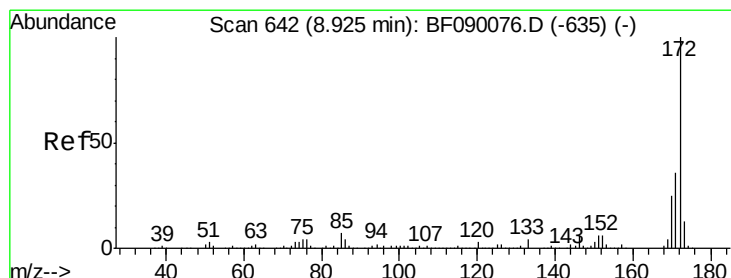
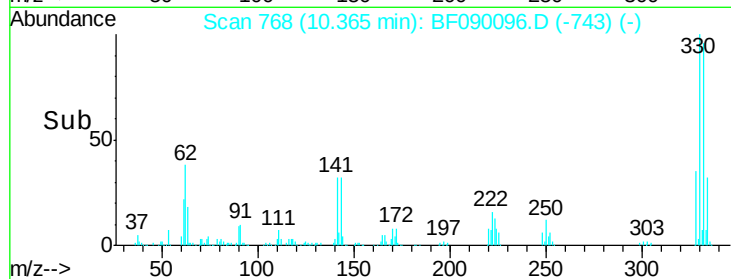
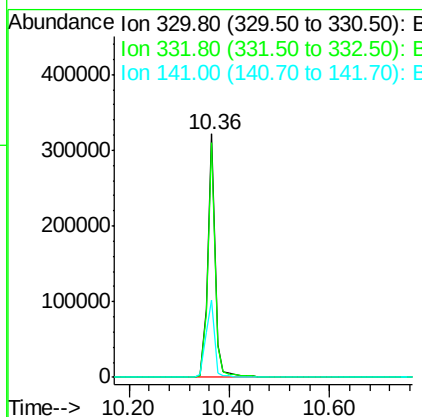
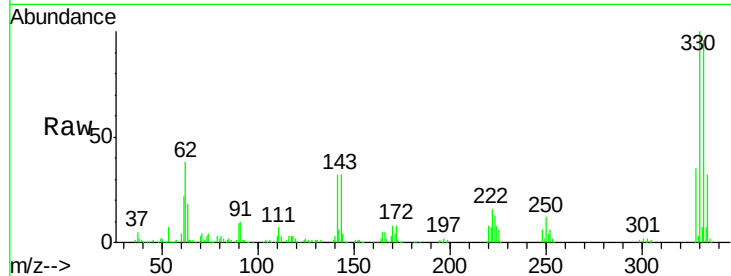
#41
 2,4,6-Tribromophenol
 Concen: 113.16 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF090096.D
 Acq: 15 Sep 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	335643		
332	95.9	78.1	117.1	
141	36.8	23.9	35.9#	

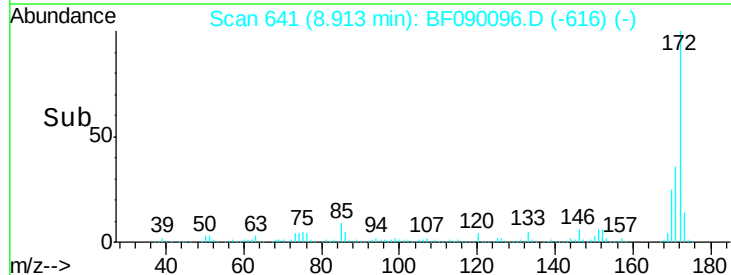
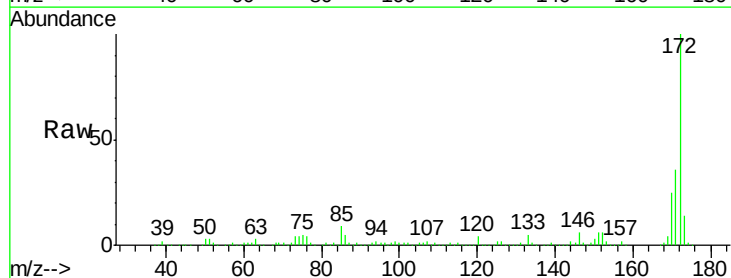
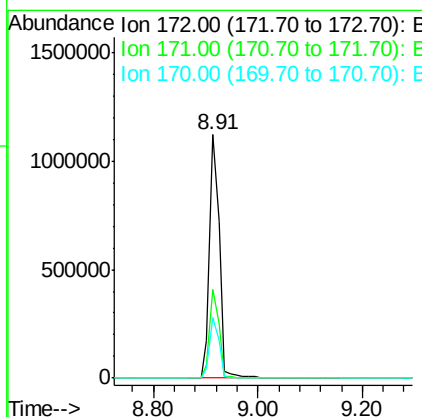
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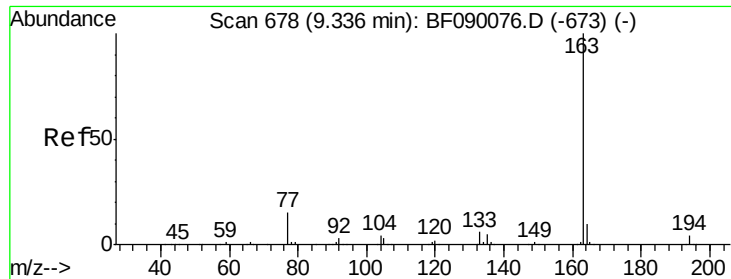
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#44
 2-Fluorobiphenyl
 Concen: 77.95 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BF090096.D
 Acq: 15 Sep 2016 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1465620		
171	36.2	29.2	43.8	
170	24.7	19.8	29.8	





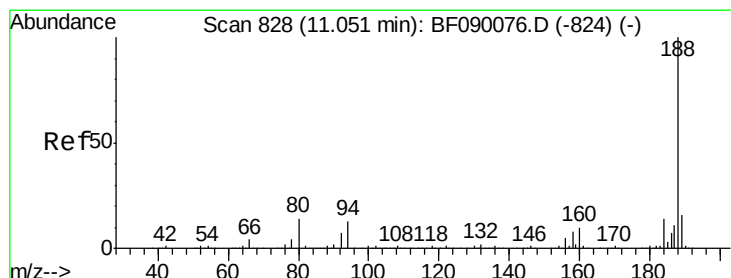
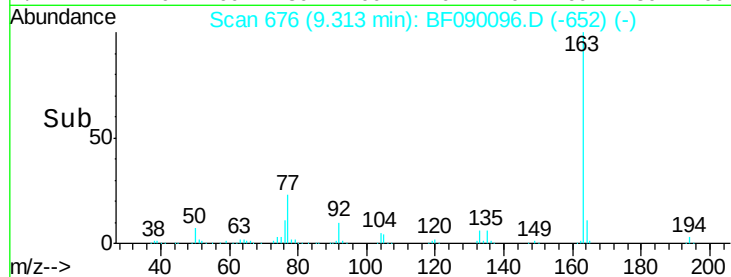
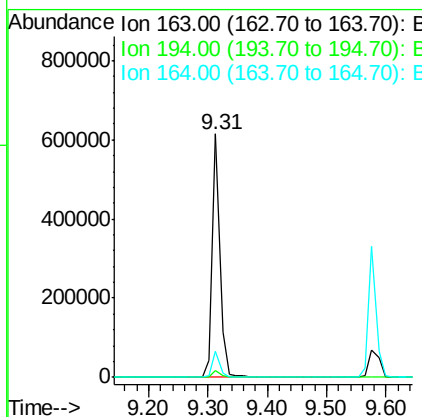
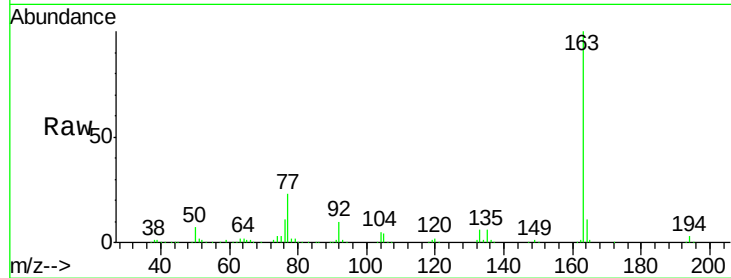
#49
Dimethylphthalate
Concen: 25.08 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.02 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	550132		
194	2.8		2.8	4.2
164	10.5		8.1	12.1

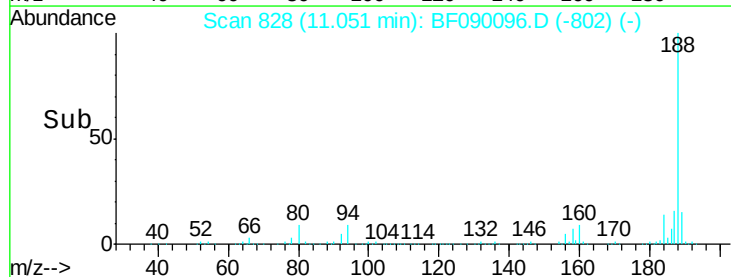
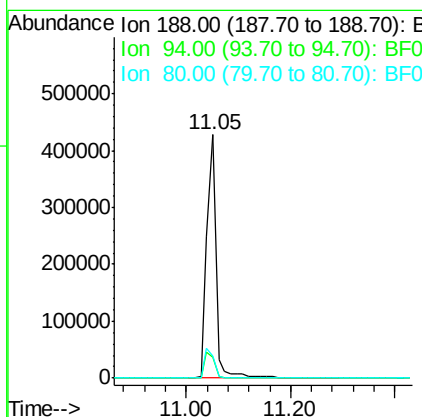
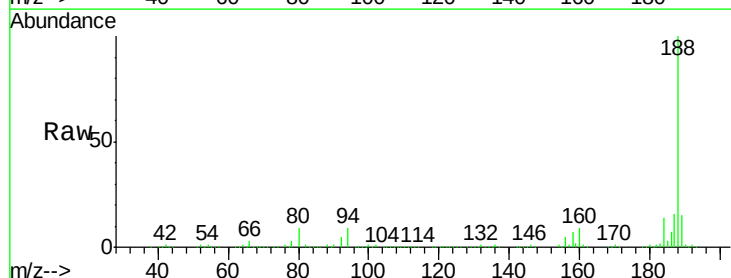
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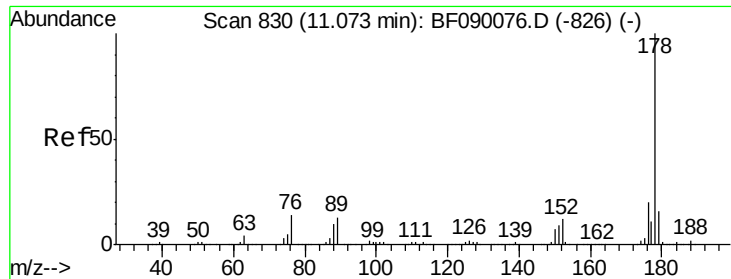
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	527706		
94	8.8		10.5	15.7#
80	9.0		11.2	16.8#





#70

Phenanthrene

Concen: 2.52 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.00 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Instrument :

BNA_F

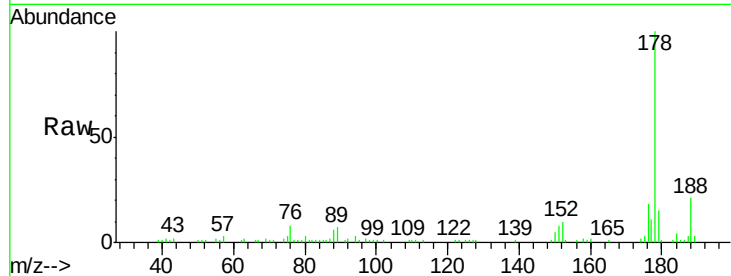
ClientSampled :

WASTE

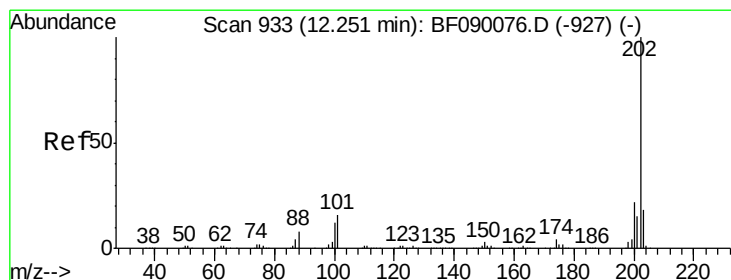
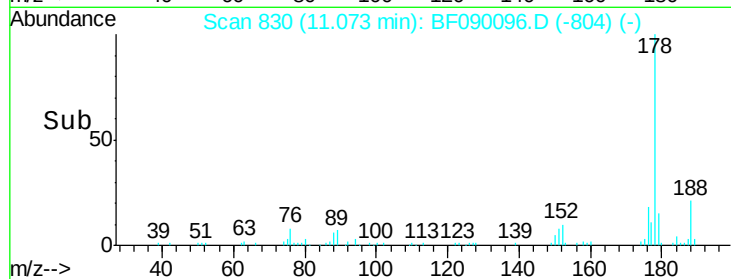
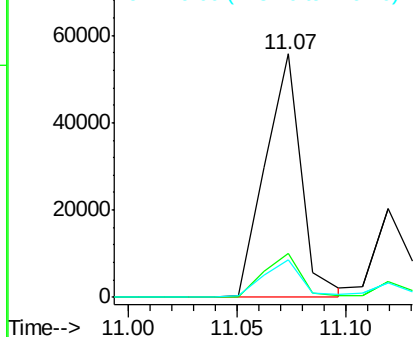
Tgt Ion:	178	Resp:	64363
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.9	23.9
179	15.2	12.9	19.3

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 21.82 ng

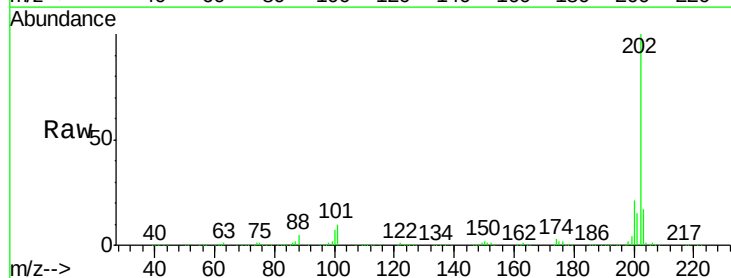
RT: 12.25 min Scan# 933

Delta R.T. -0.00 min

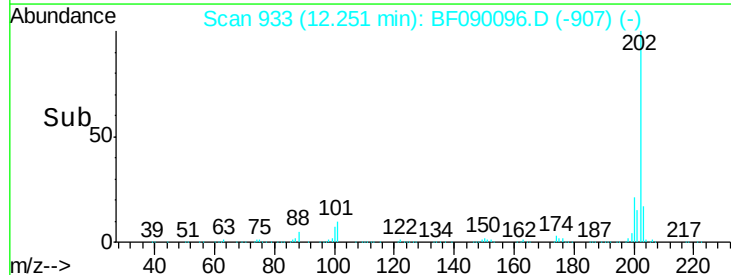
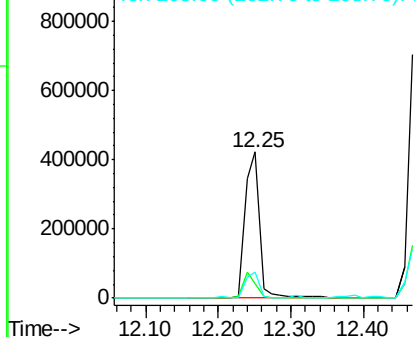
Lab File: BF090096.D

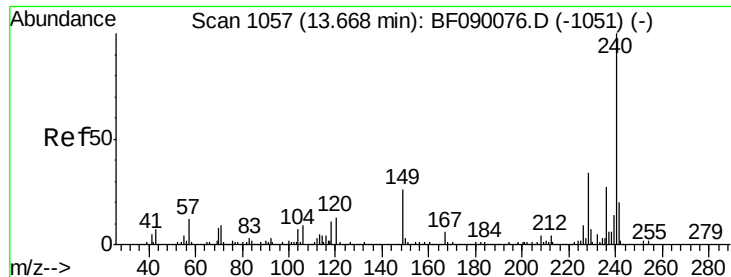
Acq: 15 Sep 2016 17:19

Tgt Ion:	202	Resp:	583089
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	36.1
203	17.4	0.0	38.2



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: 13.67 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Instrument :

BNA_F

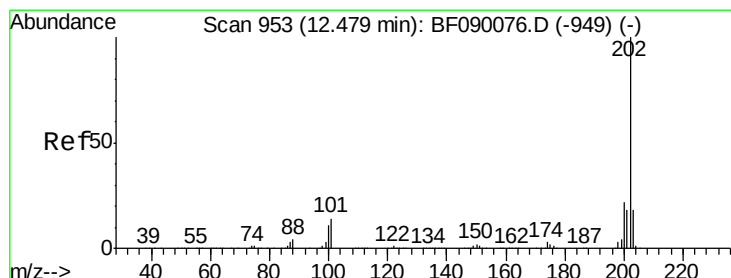
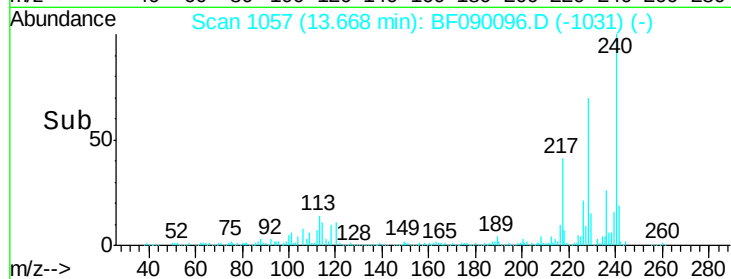
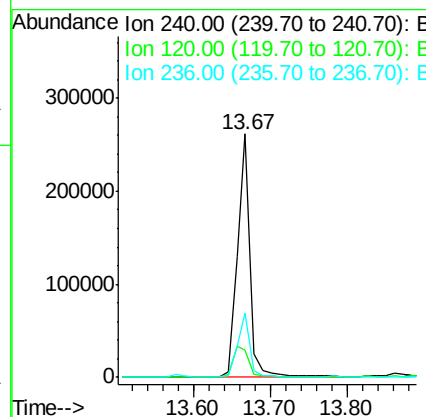
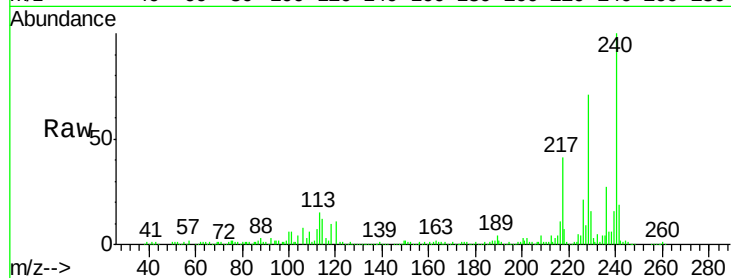
ClientSampleId :

WASTE

Tgt Ion:	240	Resp:	310099
Ion Ratio		Lower	Upper
240	100		
120	11.3	10.6	16.0
236	26.6	21.6	32.4

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#77

Pyrene

Concen: 34.03 ng

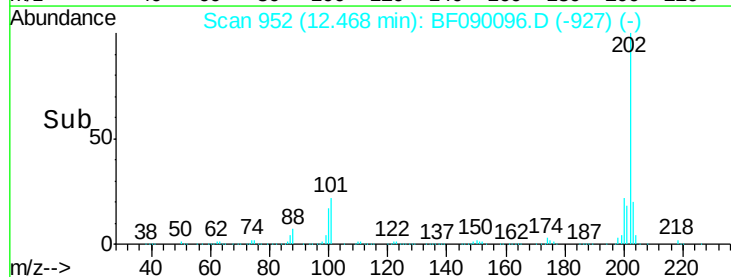
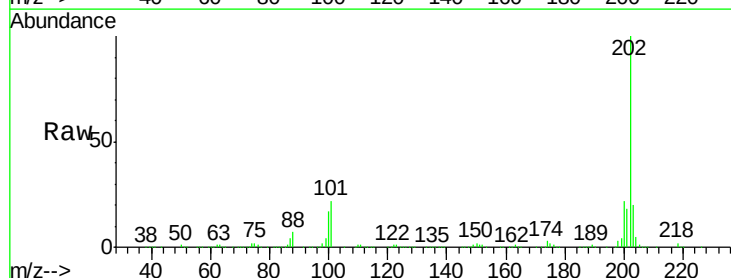
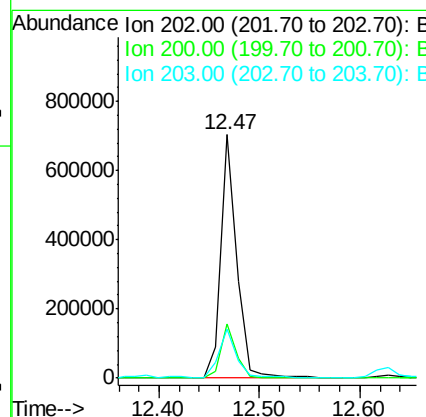
RT: 12.47 min Scan# 952

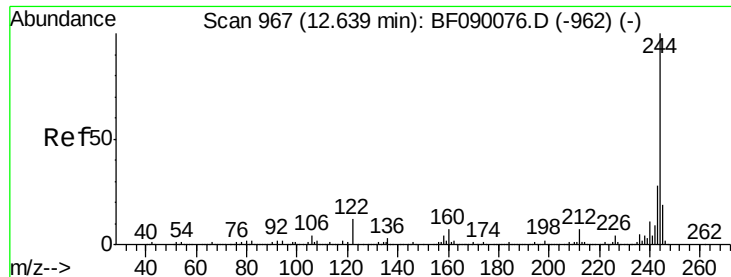
Delta R.T. -0.01 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Tgt Ion:	202	Resp:	770102
Ion Ratio		Lower	Upper
202	100		
200	22.1	17.9	26.9
203	20.1	14.2	21.4





#78

Terphenyl-d14

Concen: 85.73 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Instrument :

BNA_F

ClientSampleId :

WASTE

Tgt Ion:244 Resp: 1119483

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

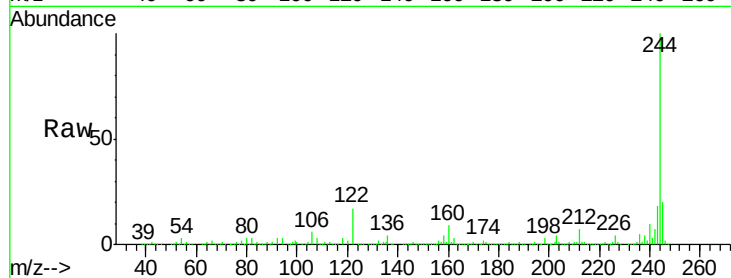
122 17.3 9.4 14.0#

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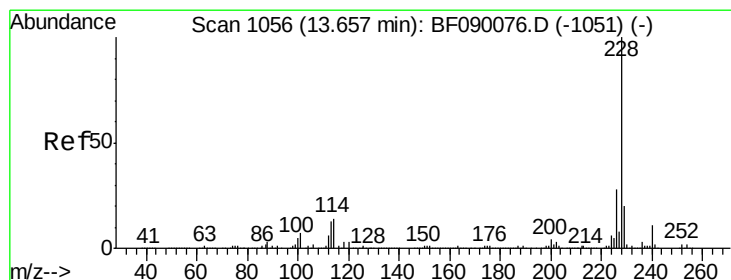
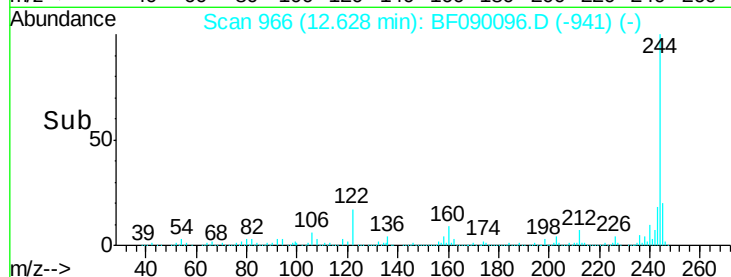
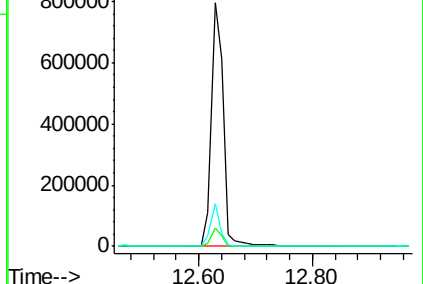
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 44.63 ng

RT: 13.66 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

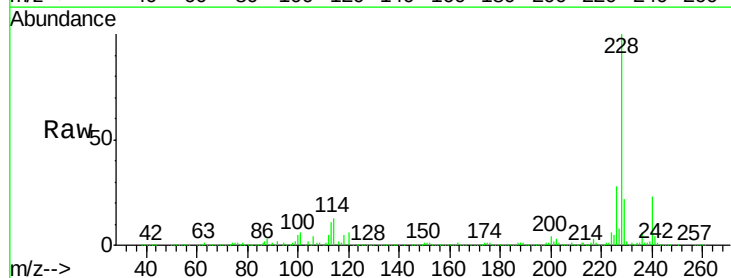
Tgt Ion:228 Resp: 807871

Ion Ratio Lower Upper

228 100

226 27.9 22.0 33.0

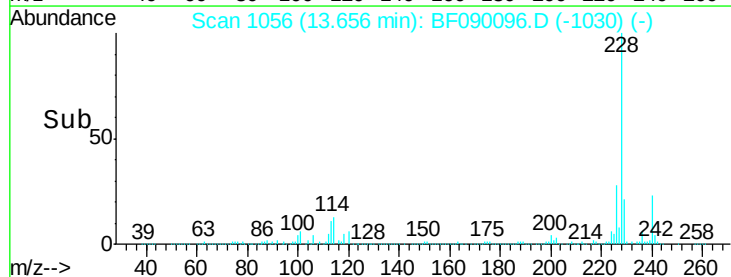
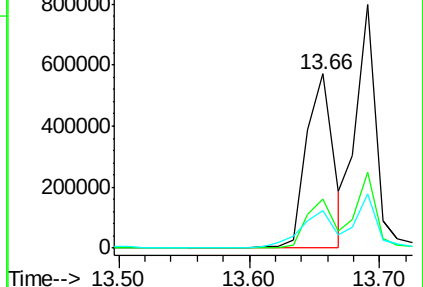
229 21.6 16.2 24.2

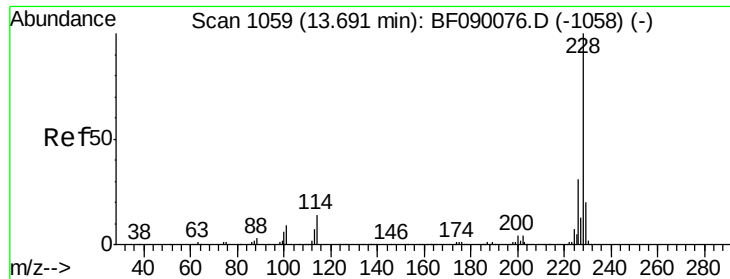


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 50.23 ng

RT: 13.69 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Instrument :

BNA_F

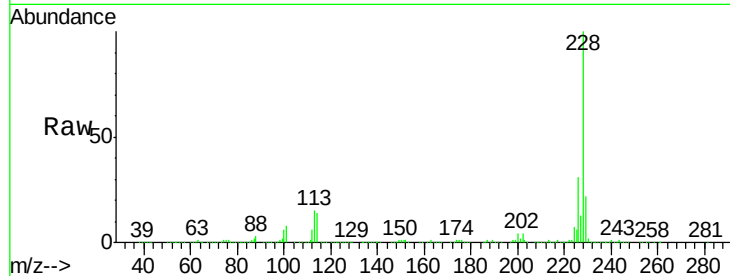
ClientSampled :

WASTE

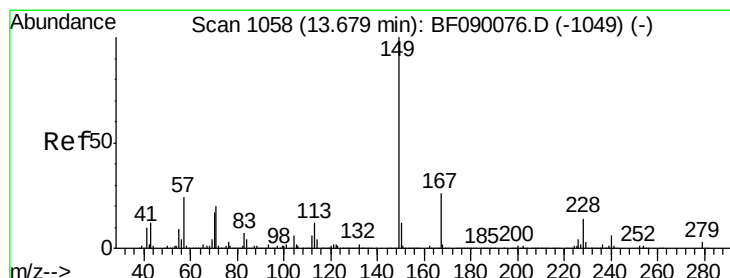
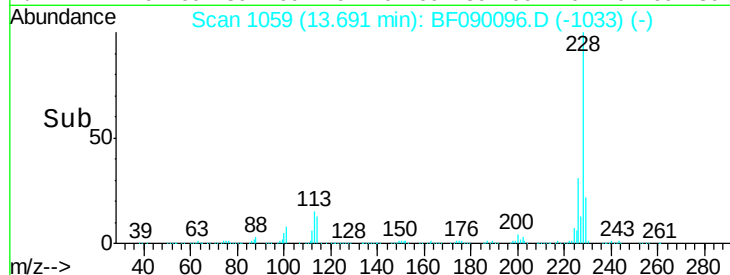
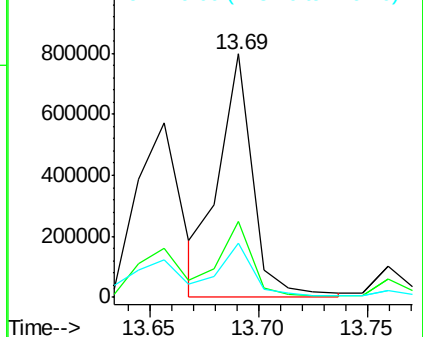
Tgt Ion:	228	Resp:	852893
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.6	37.0
229	22.2	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.17 ng

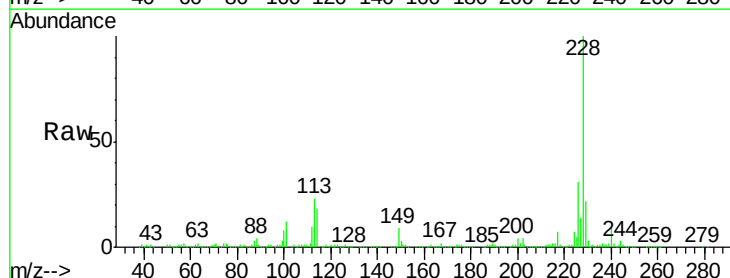
RT: 13.68 min Scan# 1058

Delta R.T. -0.00 min

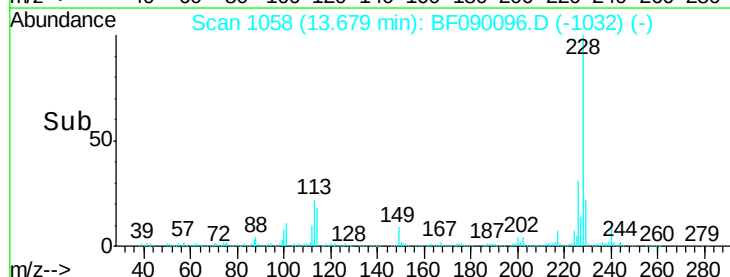
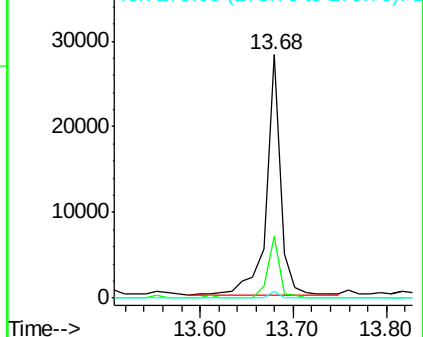
Lab File: BF090096.D

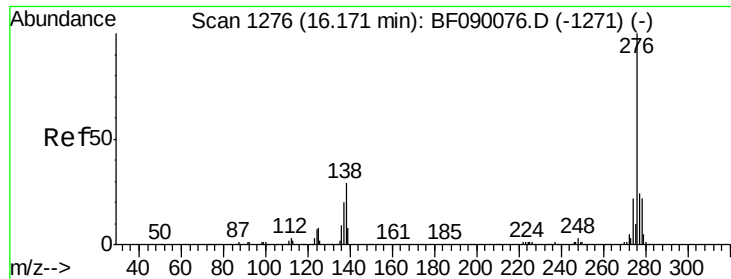
Acq: 15 Sep 2016 17:19

Tgt Ion:	149	Resp:	30224
Ion Ratio	Lower	Upper	
149	100		
167	25.4	21.2	31.8
279	3.0	2.2	3.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





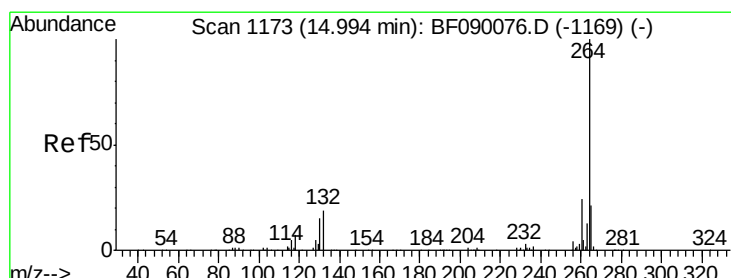
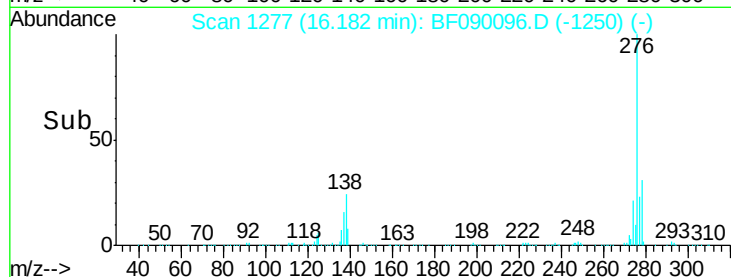
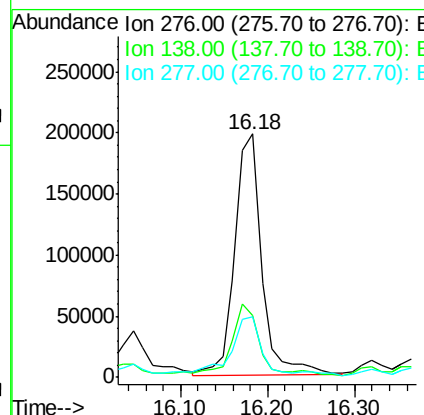
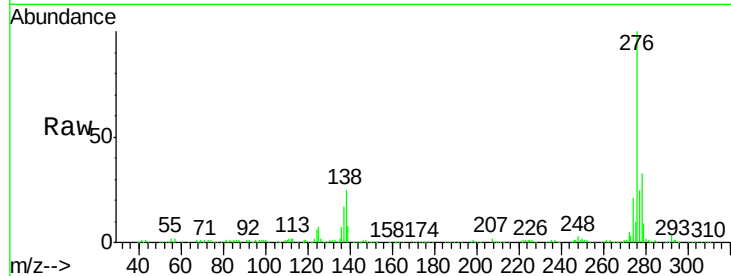
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 28.82 ng
 RT: 16.18 min Scan# 1277
 Delta R.T. 0.01 min
 Lab File: BF090096.D
 Acq: 15 Sep 2016 17:19

Instrument :
 BNA_F
 ClientSampled :
 WASTE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.2	25.9	38.9
277	24.0	19.9	29.9

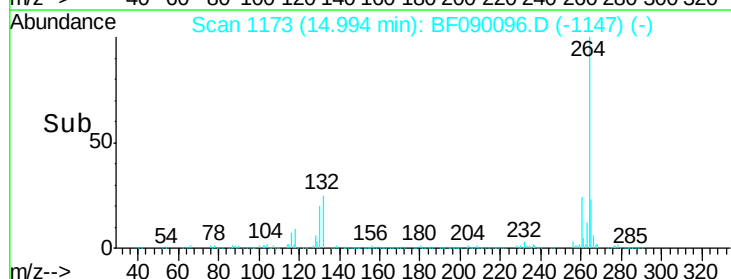
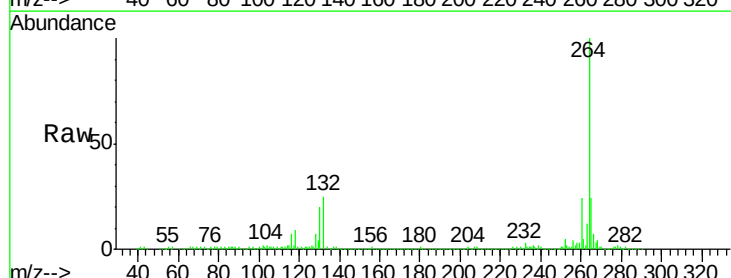
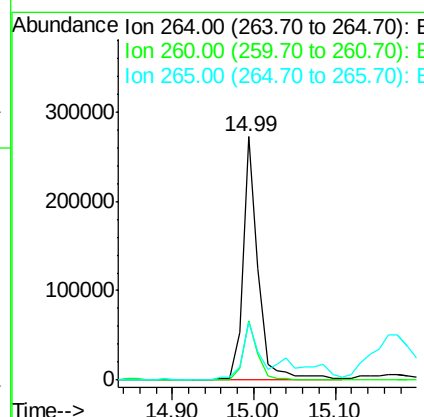
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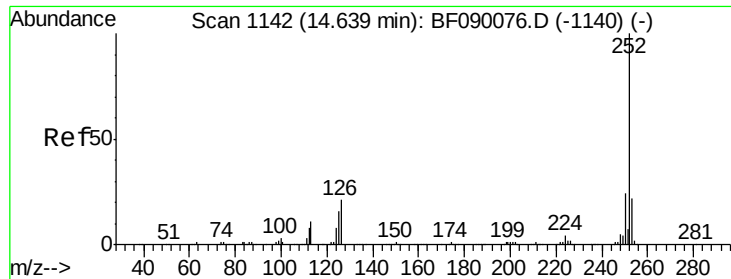
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.99 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: BF090096.D
 Acq: 15 Sep 2016 17:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	23.7	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 60.76 ng m

RT: 14.65 min Scan# 1143

Delta R.T. 0.01 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Instrument :

BNA_F

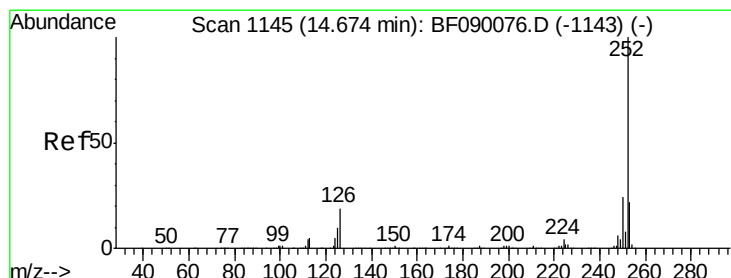
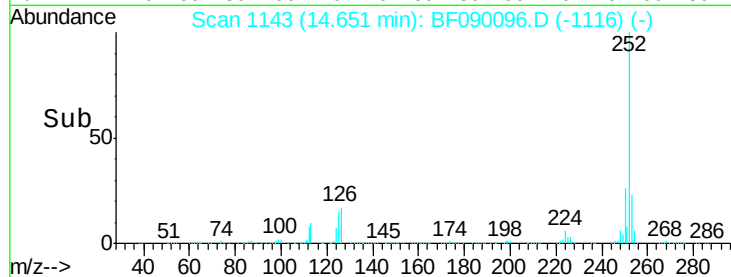
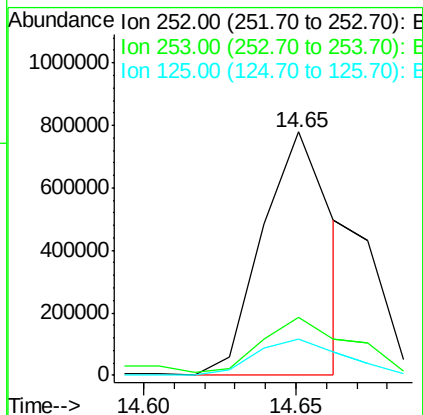
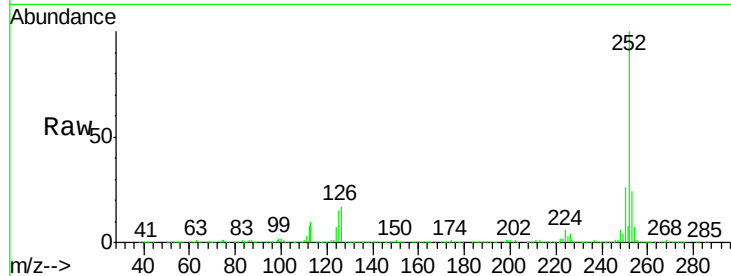
ClientSampled :

WASTE

Tgt Ion:	252	Resp:	1249042
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.9	26.9
125	14.9	12.7	19.1

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#88

Benzo(k)fluoranthene

Concen: 19.63 ng m

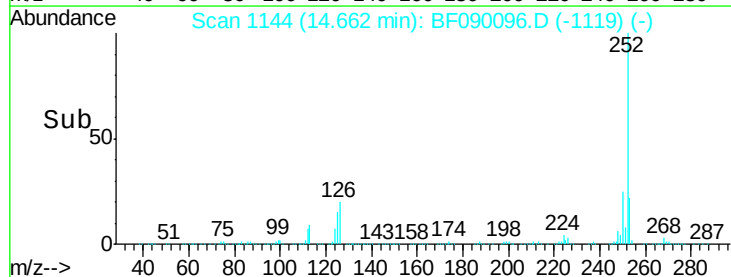
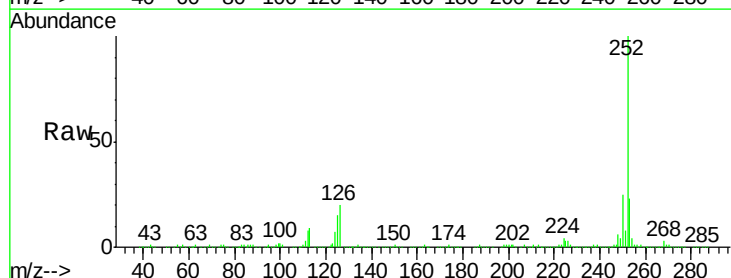
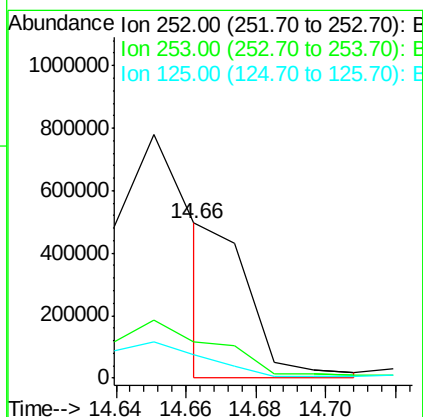
RT: 14.66 min Scan# 1144

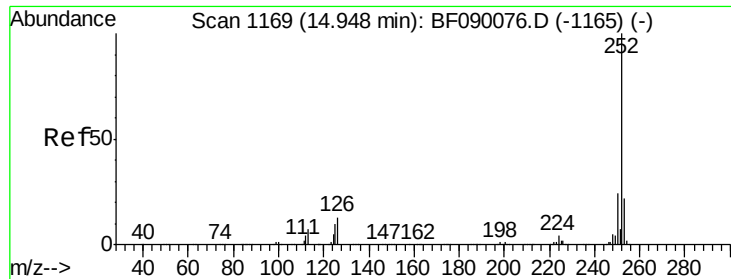
Delta R.T. -0.01 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Tgt Ion:	252	Resp:	363371
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.8	26.8
125	15.1	7.8	11.6#





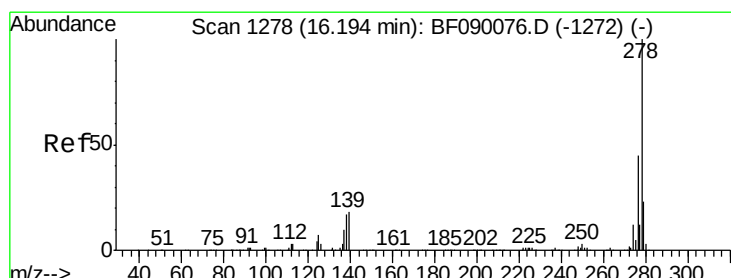
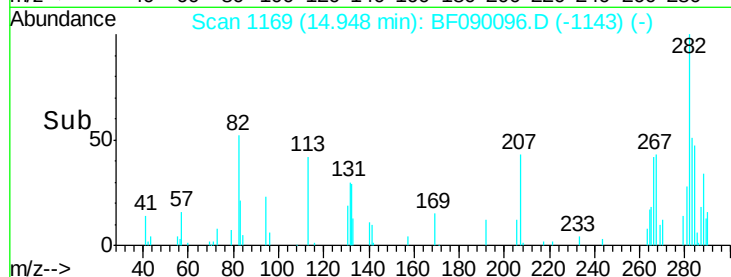
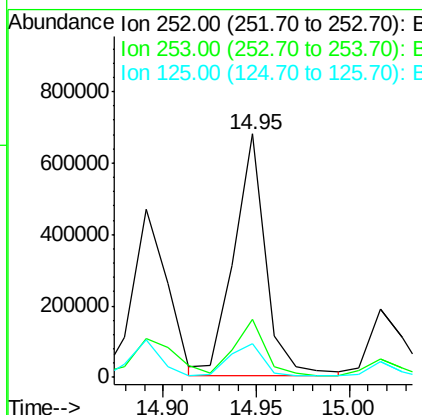
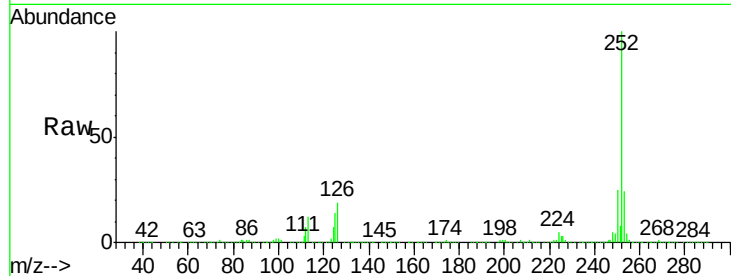
#89
Benzo(a)pyrene
Concen: 43.71 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

Instrument :
BNA_F
ClientSampled :
WASTE

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	805866		
253	23.6	17.4	26.0	
125	13.9	7.7	11.5	

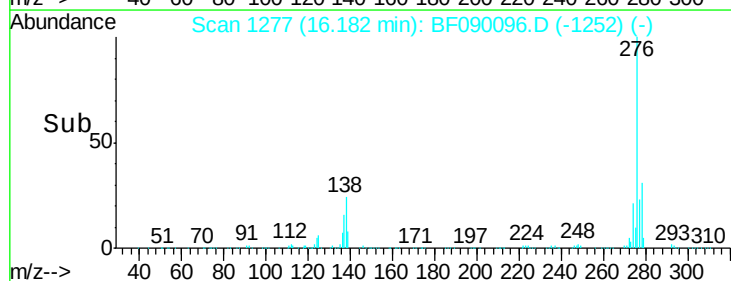
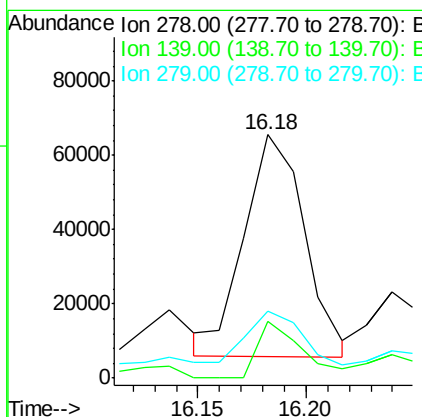
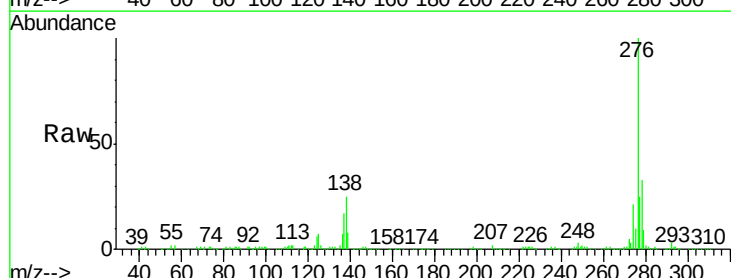
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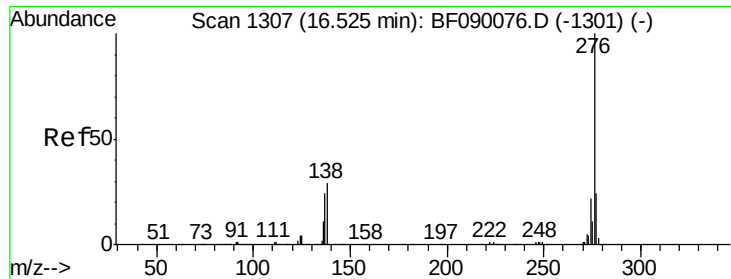
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#90
Dibenzo(a,h)anthracene
Concen: 8.04 ng m
RT: 16.18 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	116124		
139	23.5	14.6	21.8	
279	27.5	18.8	28.2	





#91
 Benzo(g,h,i)perylene
 Concen: 25.64 ng
 RT: 16.53 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: BF090096.D
 Acq: 15 Sep 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Tgt Ion:	276	Resp:	353320
Ion Ratio		Lower	Upper
276	100		
277	24.2	18.9	28.3
138	30.5	23.3	34.9

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