

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096030.D
 Acq On : 20 Jun 2017 6:19
 Operator : SJ/MA
 Sample : I3688-17
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G11-0-1.5

Manual Integrations
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mohammad
 6/20/2017 4:29:45 PM

Quant Time: Jun 20 08:31:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	65372	20.00	ng	-0.02
21) Naphthalene-d8	9.34	136	251338	20.00	ng	-0.02
38) Acenaphthene-d10	12.16	164	97633	20.00	ng	-0.02
63) Phenanthrene-d10	14.55	188	154992	20.00	ng	-0.02
75) Chrysene-d12	18.28	240	128562	20.00	ng	-0.02
86) Perylene-d12	19.96	264	91612	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	479841	116.96	ng	-0.01
7) Phenol-d6	6.89	99	576722	117.42	ng	-0.02
23) Nitrobenzene-d5	8.23	82	310771	76.79	ng	-0.02
41) 2,4,6-Tribromophenol	13.46	330	83603	96.78	ng	-0.02
44) 2-Fluorobiphenyl	11.12	172	589456	84.02	ng	-0.02
78) Terphenyl-d14	16.93	244	407862	78.73	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.37	128	40093	3.18	ng	96
37) 2-Methylnaphthalene	10.51	142	26280	3.08	ng	94
48) Acenaphthylene	11.93	152	32681	3.04	ng	99
49) Dimethylphthalate	11.82	163	73730	9.95	ng	99
70) Phenanthrene	14.59	178	72310	8.09	ng	98
71) Anthracene	14.68	178	38808	4.16	ng	95
74) Fluoranthene	16.38	202	141667	16.01	ng	96
77) Pyrene	16.68	202	131108	13.67	ng	96
80) Benzo(a)anthracene	18.27	228	66605	8.91	ng	93
82) Chrysene	18.32	228	82204	11.00	ng	98
83) Bis(2-ethylhexyl)phthalate	18.36	149	14341	2.43	ng	# 100
85) Indeno(1,2,3-cd)pyrene	21.13	276	42064	6.58	ng	93
87) Benzo(b)fluoranthene	19.55	252	122828m	21.41	ng	
88) Benzo(k)fluoranthene	19.58	252	29299m	5.34	ng	
89) Benzo(a)pyrene	19.90	252	50897	9.65	ng	# 93
90) Dibenzo(a,h)anthracene	21.11	278	15668	3.50	ng	# 82
91) Benzo(a,h,i)perylene	21.46	276	35449	7.77	ng	# 88

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

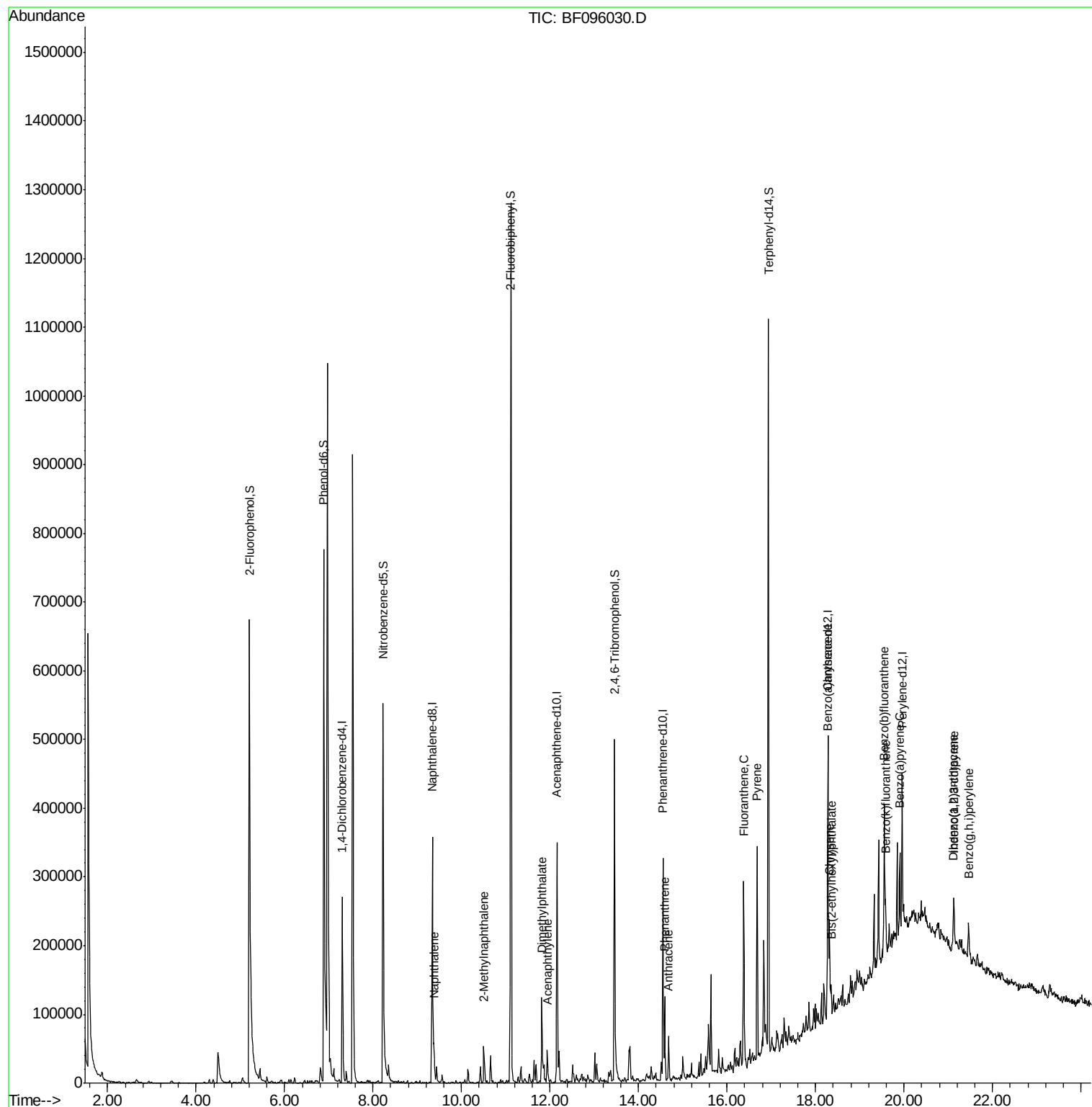
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
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ALS Vial : 31 Sample Multiplier: 1

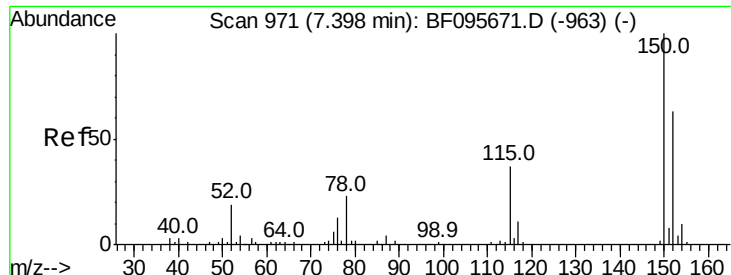
Instrument :
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G11-0-1.5

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#1

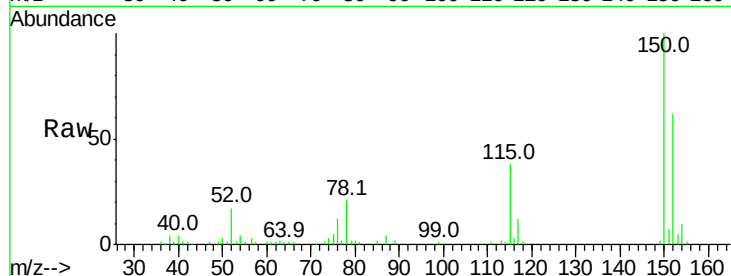
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Instrument :
BNA_F
ClientSampleId :
G11-0-1.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.4	126.2	189.2
115	61.0	52.2	78.2

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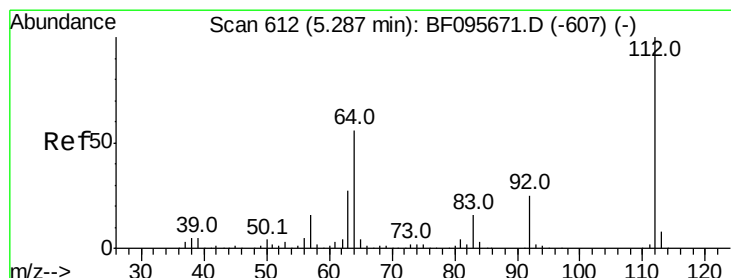
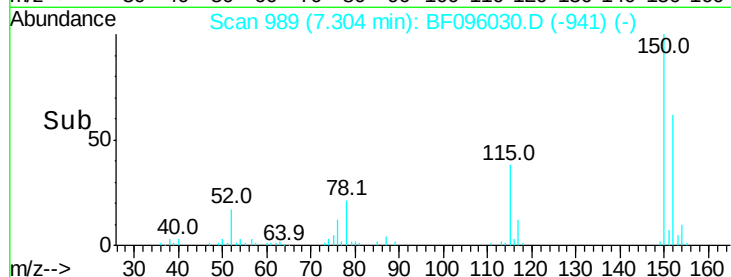
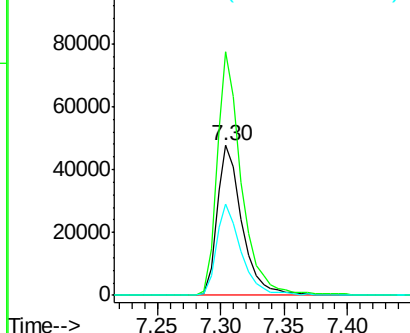


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

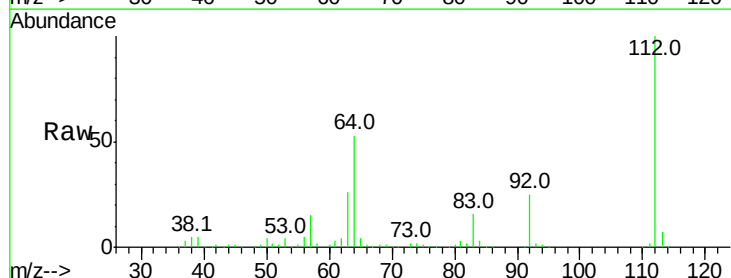
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 116.96 ng
RT: 5.20 min Scan# 632
Delta R.T. -0.01 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	46.0	69.0
63	25.8	23.4	35.0

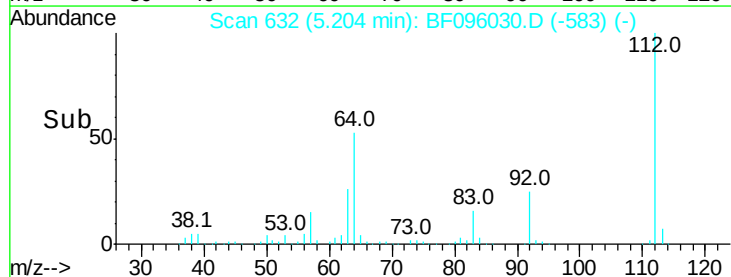
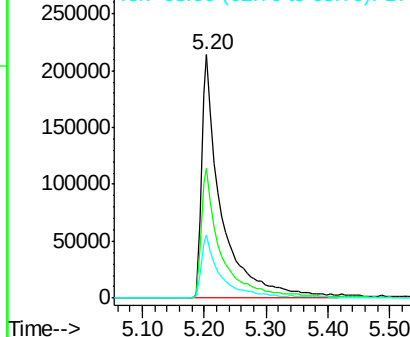


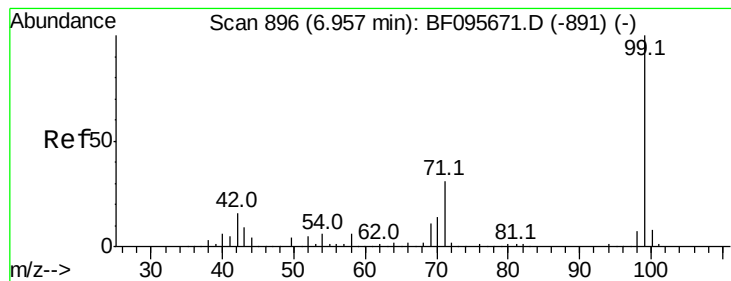
Abundance

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: 117.42 ng

RT: 6.89 min Scan# 918

Delta R.T. -0.02 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

Instrument :

BNA_F

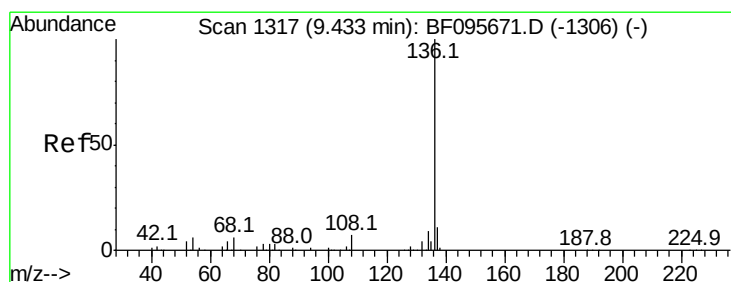
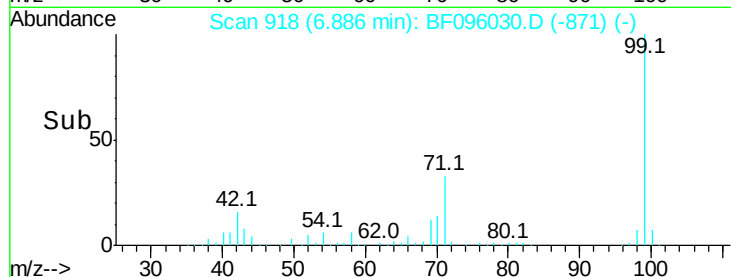
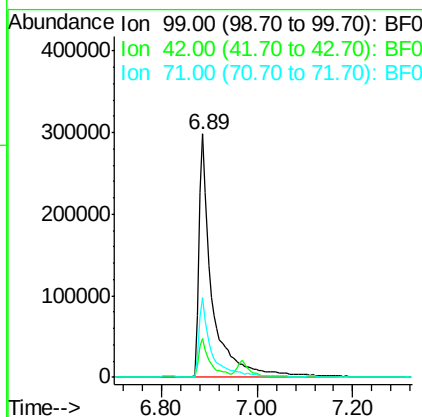
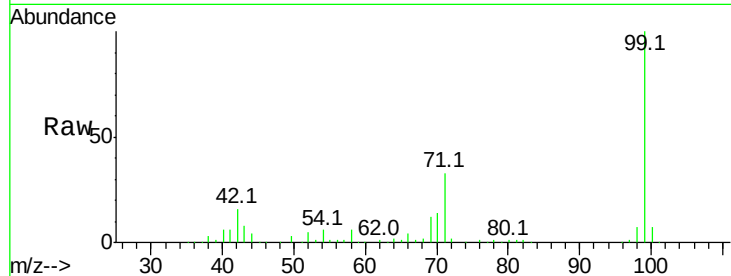
ClientSampleId :

G11-0-1.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		576722		
42	15.8	13.5	20.3		
71	32.6	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

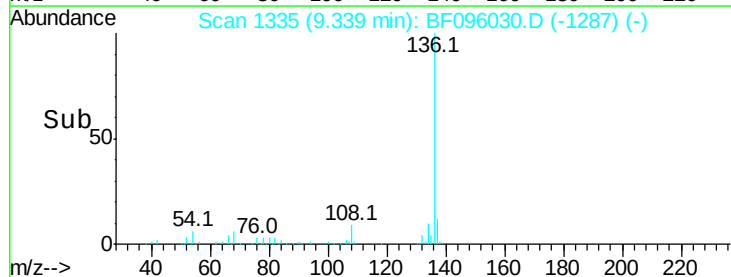
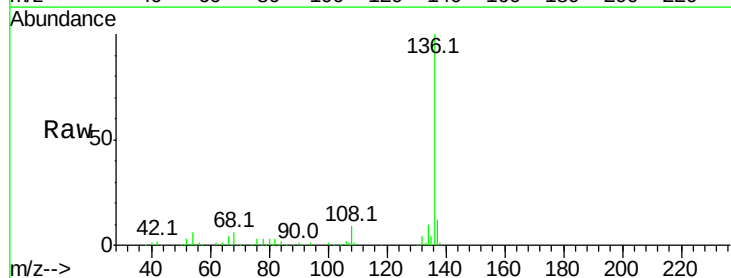
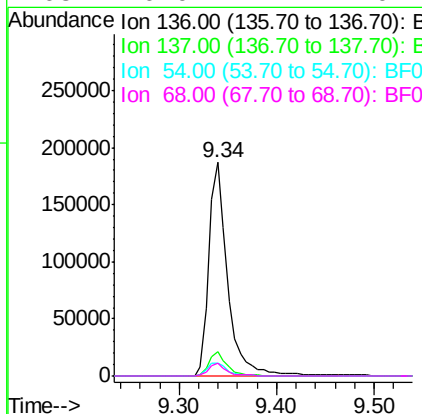
RT: 9.34 min Scan# 1335

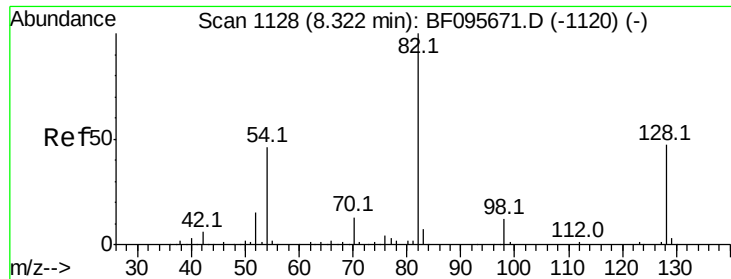
Delta R.T. -0.02 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		251338		
137	11.6	8.5	12.7		
54	6.2	4.9	7.3		
68	6.0	4.1	6.1		





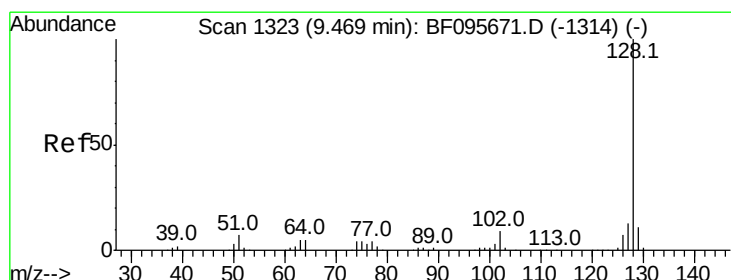
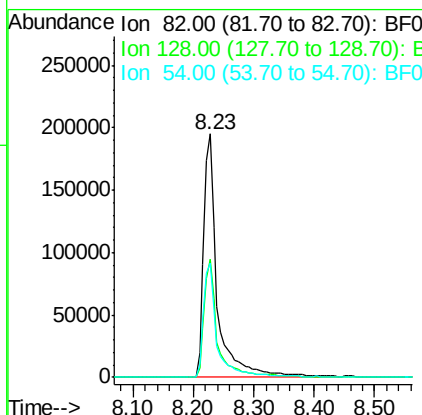
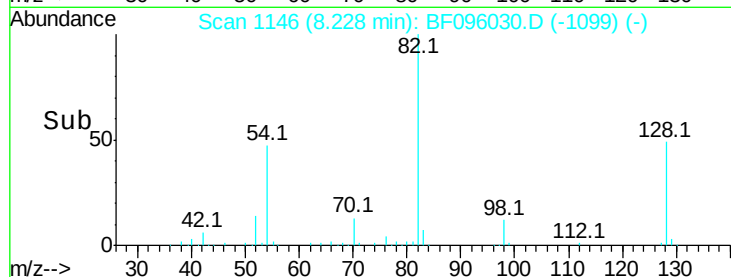
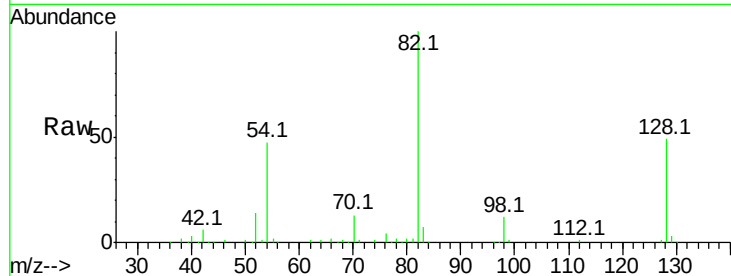
#23
Nitrobenzene-d5
Concen: 76.79 ng
RT: 8.23 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Instrument :
BNA_F
ClientSampleId :
G11-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.6	34.0	51.0	
54	46.7	42.2	63.2	

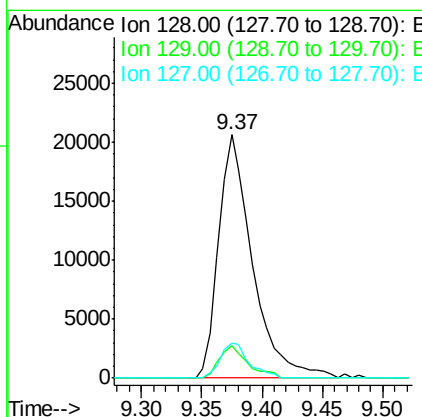
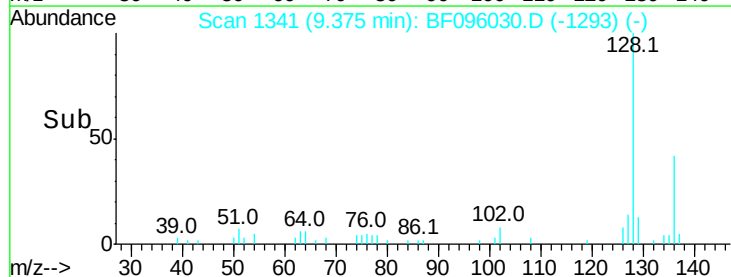
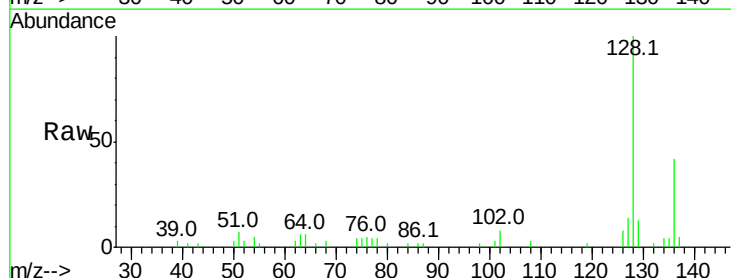
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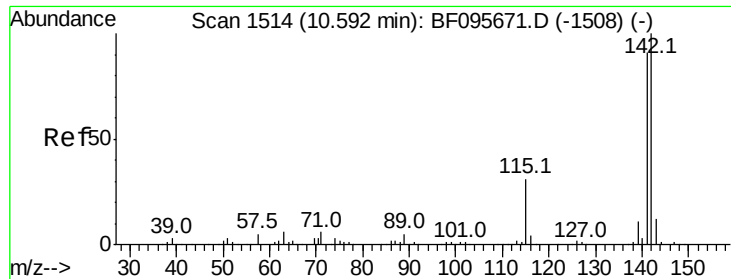
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#31
Naphthalene
Concen: 3.18 ng
RT: 9.37 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	13.4	9.0	13.6	
127	14.4	10.8	16.2	





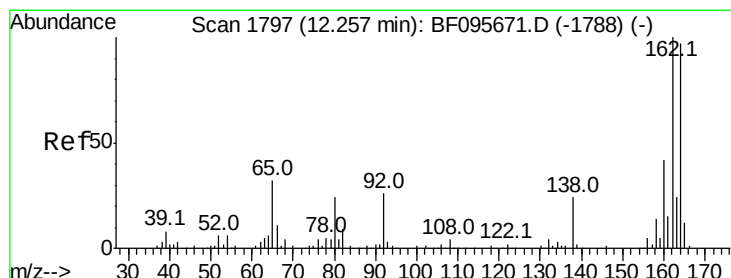
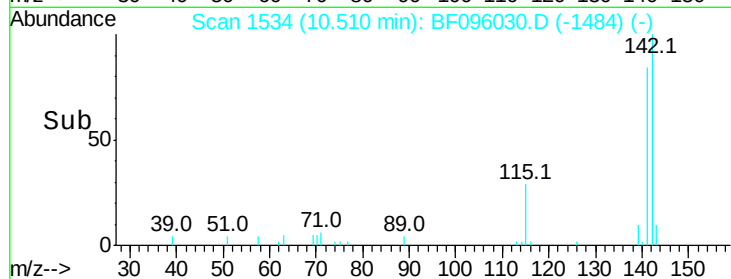
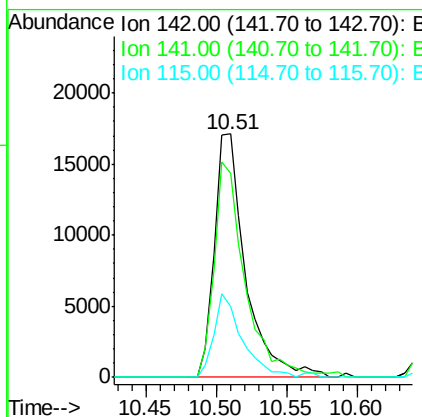
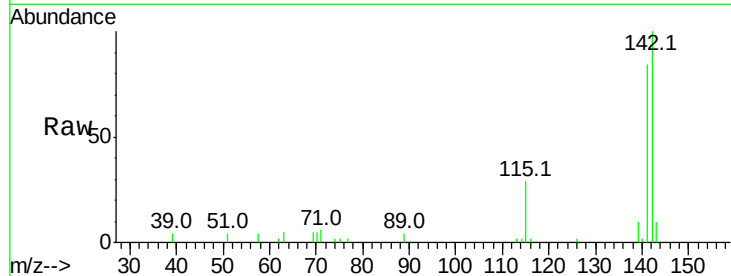
#37
2-Methylnaphthalene
Concen: 3.08 ng
RT: 10.51 min Scan# 1534
Delta R.T. -0.01 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Instrument :
BNA_F
ClientSampleId :
G11-0-1.5

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.7	71.3	106.9
115	29.2	27.1	40.7

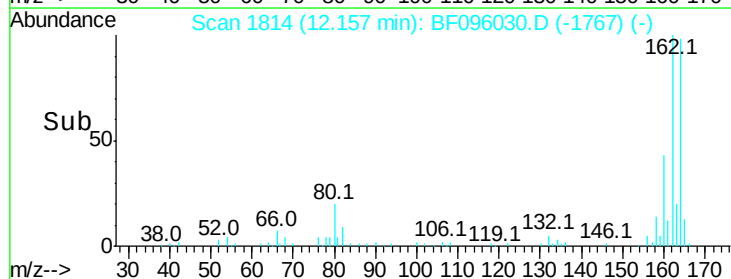
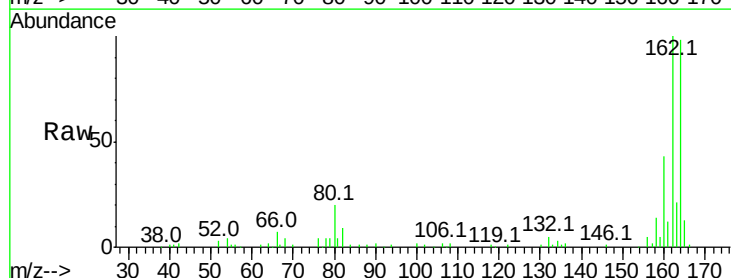
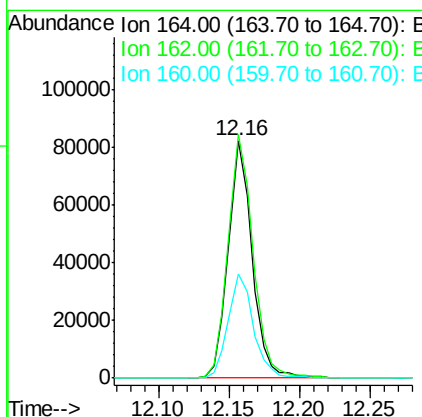
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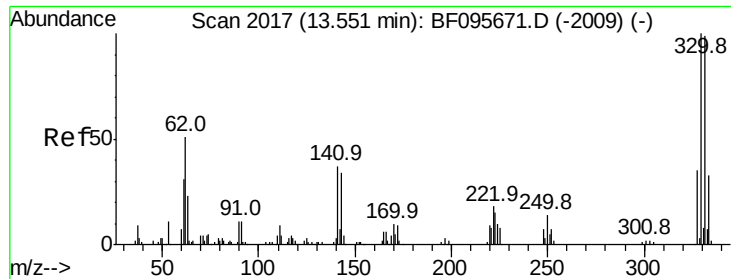
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.16 min Scan# 1814
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.6	123.8
160	43.7	36.2	54.2





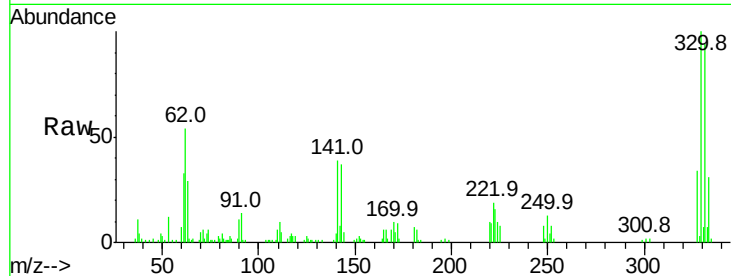
#41
 2,4,6-Tribromophenol
 Concen: 96.78 ng
 RT: 13.46 min Scan# 2035
 Delta R.T. -0.02 min
 Lab File: BF096030.D
 Acq: 20 Jun 2017 6:19

Instrument :
 BNA_F
 ClientSampleId :
 G11-0-1.5

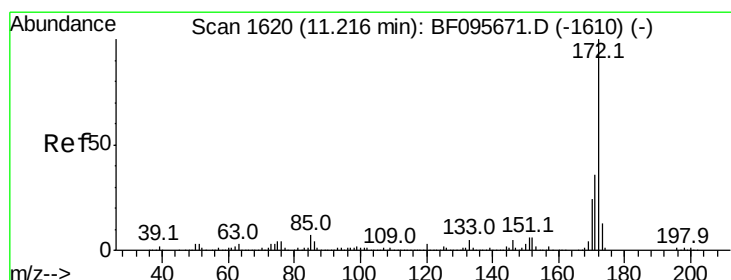
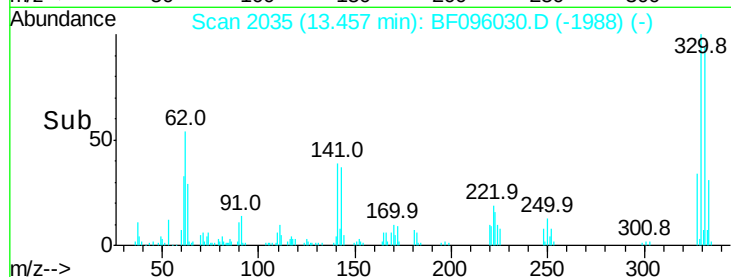
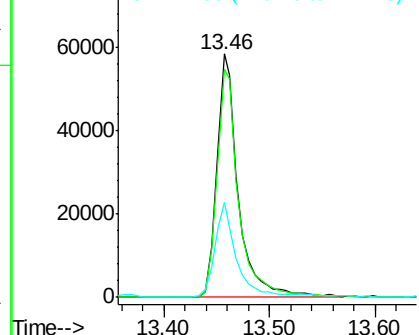
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	76.6	115.0	
141	41.2	31.4	47.2	

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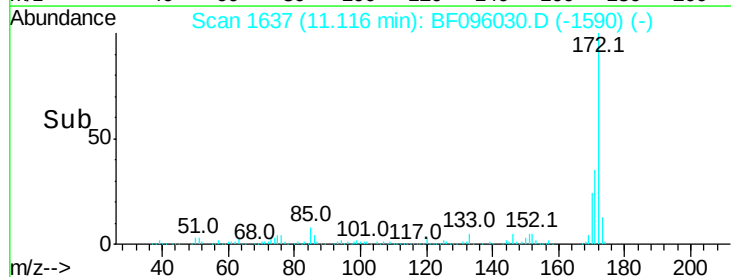
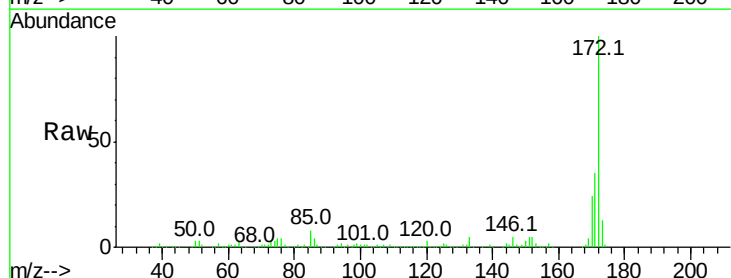
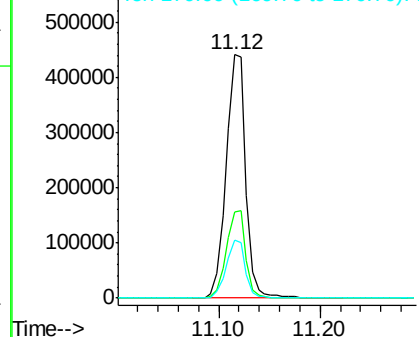
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

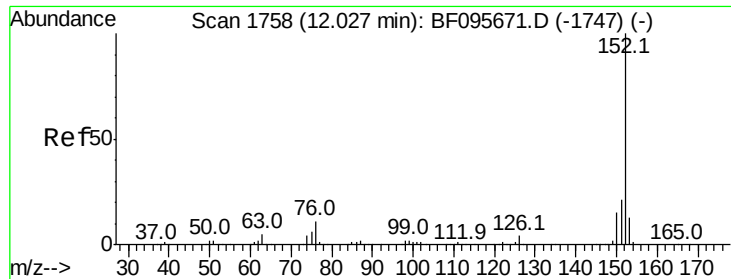


#44
 2-Fluorobiphenyl
 Concen: 84.02 ng
 RT: 11.12 min Scan# 1637
 Delta R.T. -0.02 min
 Lab File: BF096030.D
 Acq: 20 Jun 2017 6:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.5	29.6	44.4	
170	24.0	19.8	29.8	

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





#48

Acenaphthylene

Concen: 3.04 ng

RT: 11.93 min Scan# 1776

Delta R.T. -0.02 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

Instrument :

BNA_F

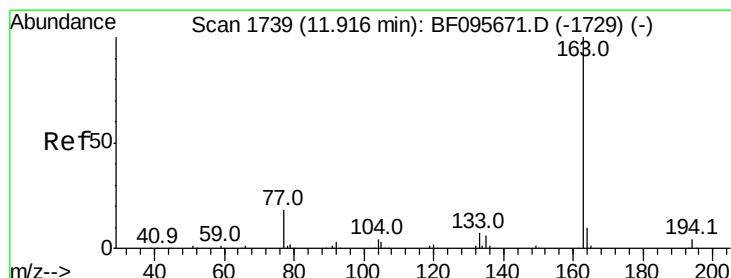
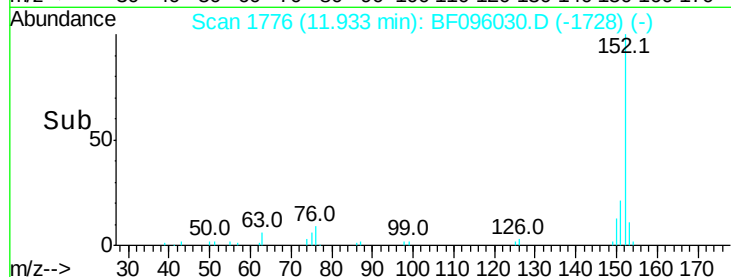
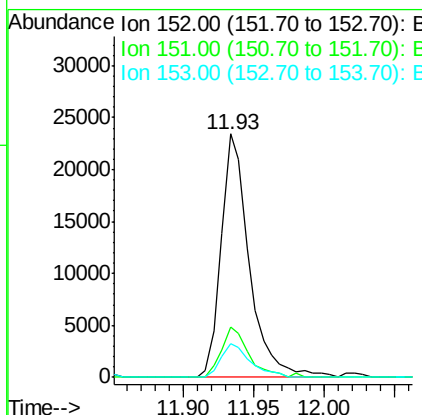
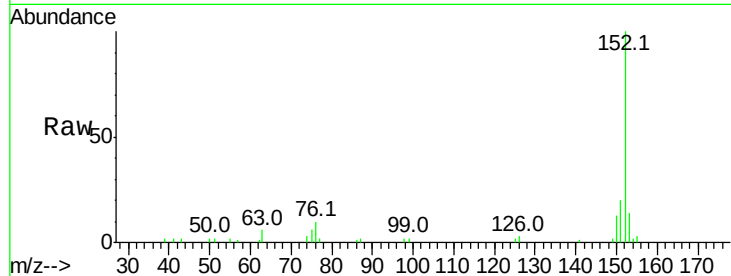
ClientSampleId :

G11-0-1.5

Tot Ion:	152	Resp:	32681
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.8	25.2
153	13.7	10.8	16.2

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#49

Dimethylphthalate

Concen: 9.95 ng

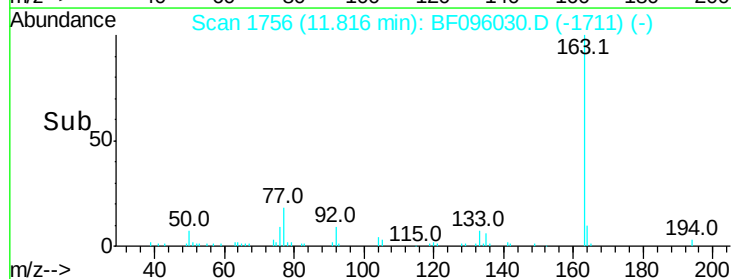
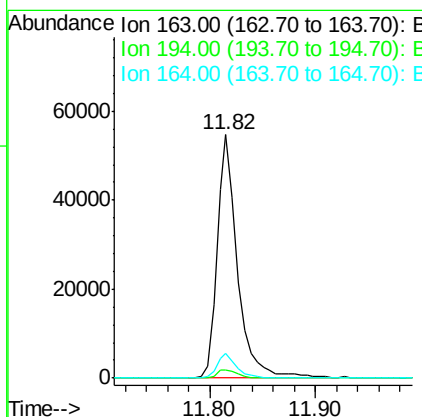
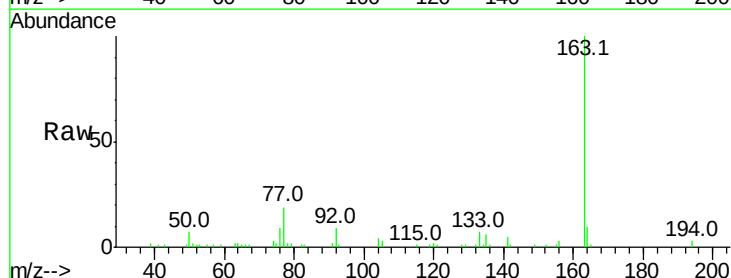
RT: 11.82 min Scan# 1756

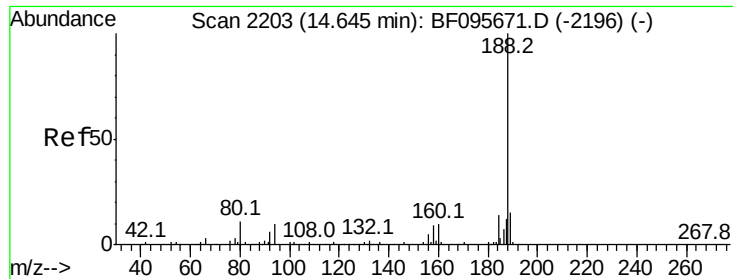
Delta R.T. -0.04 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

Tgt Ion:	163	Resp:	73730
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.6	4.0
164	9.9	8.4	12.6





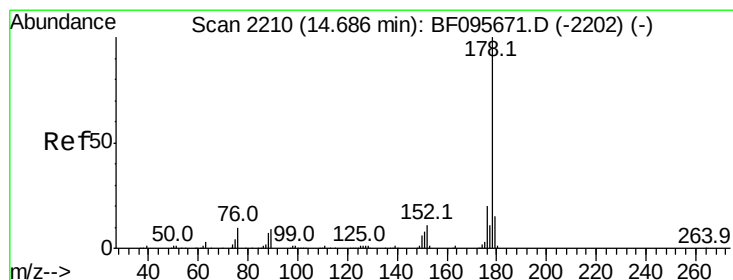
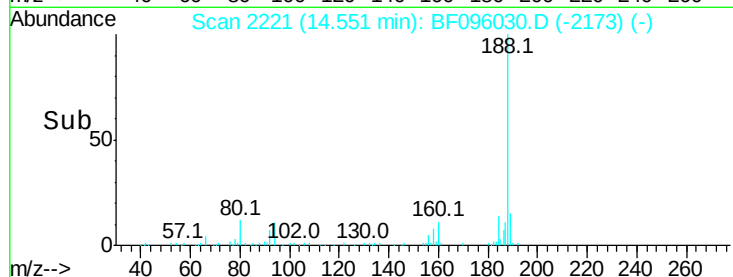
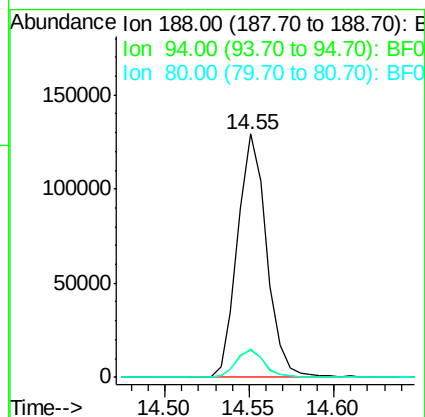
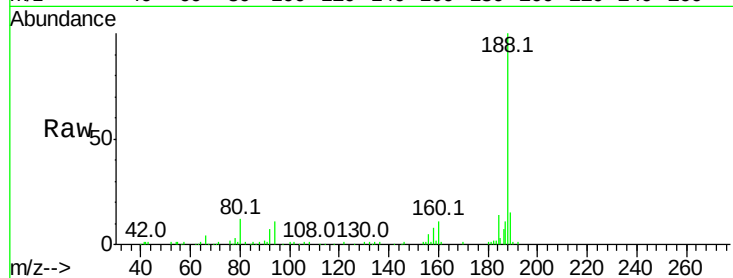
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.55 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Instrument :
BNA_F
ClientSampleId :
G11-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	154992		
94	11.1		9.4	14.2
80	11.7		10.2	15.2

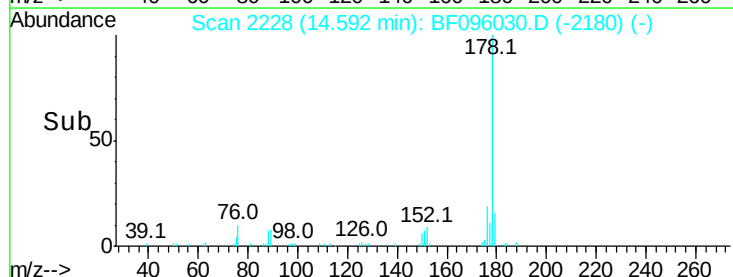
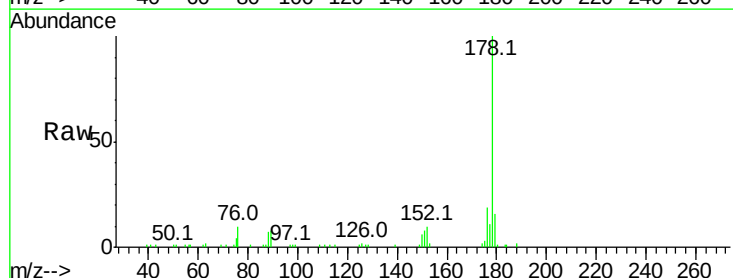
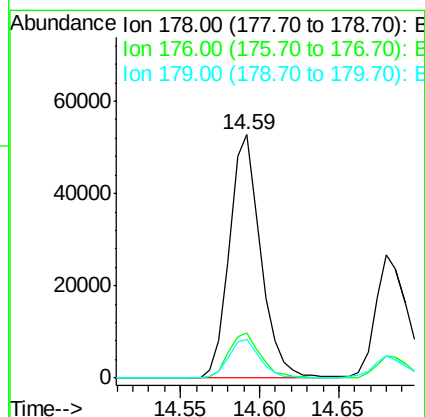
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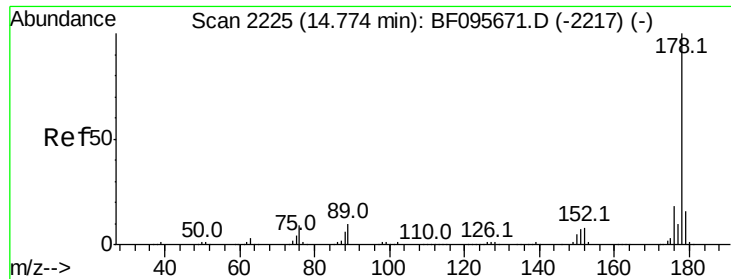
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#70
Phenanthrene
Concen: 8.09 ng
RT: 14.59 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	72310		
176	18.8		16.2	24.4
179	16.2		12.6	19.0





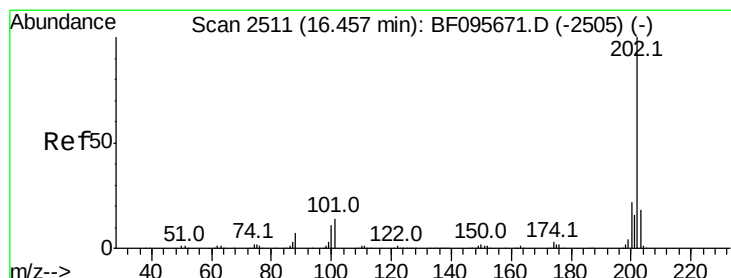
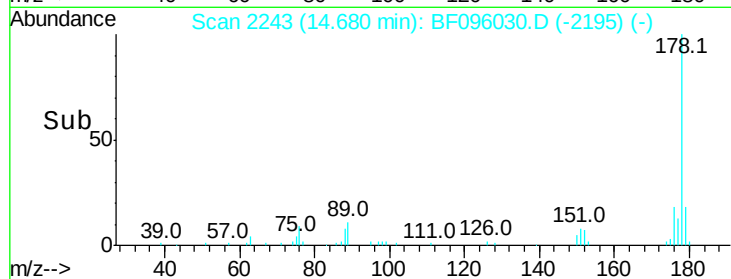
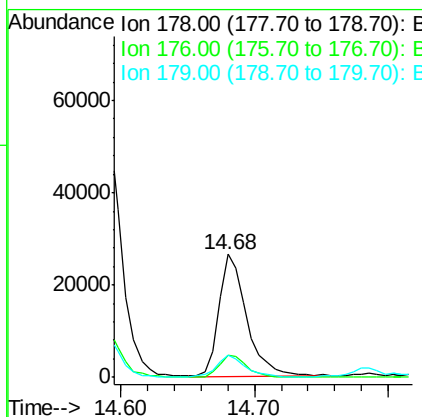
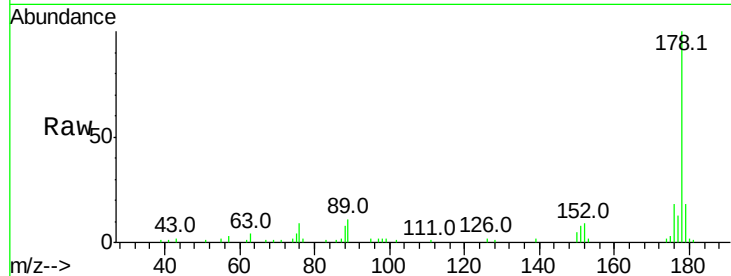
#71
 Anthracene
 Concen: 4.16 ng
 RT: 14.68 min Scan# 2243
 Delta R.T. -0.02 min
 Lab File: BF096030.D
 Acq: 20 Jun 2017 6:19

Instrument :
 BNA_F
 ClientSampled :
 G11-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
178	100	38808		
176	18.0		15.8	23.8
179	18.2		12.7	19.1

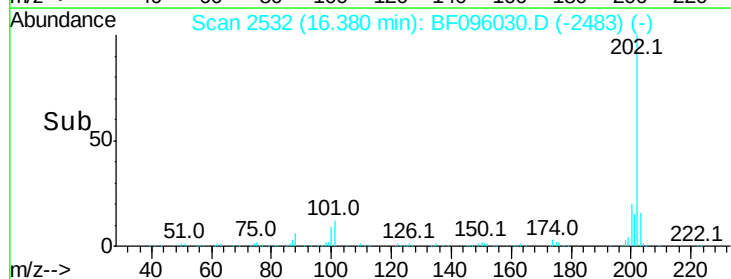
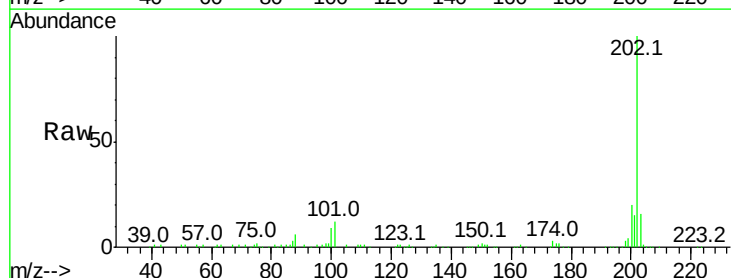
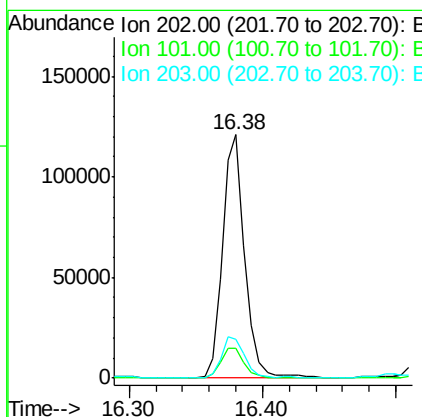
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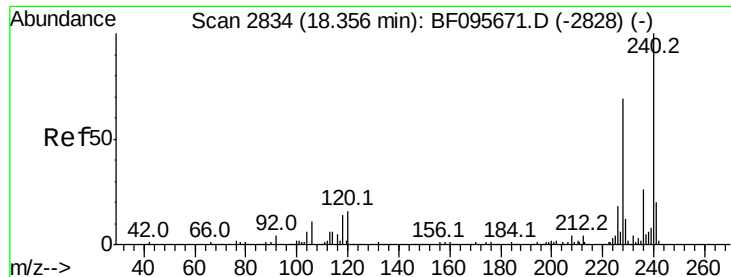
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#74
 Fluoranthene
 Concen: 16.01 ng
 RT: 16.38 min Scan# 2532
 Delta R.T. -0.01 min
 Lab File: BF096030.D
 Acq: 20 Jun 2017 6:19

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	141667		
101	12.2		0.0	33.2
203	16.1		0.0	38.1





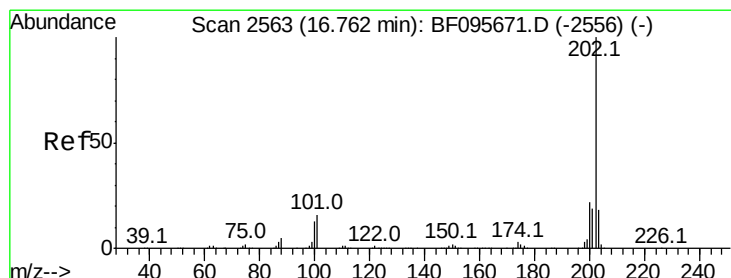
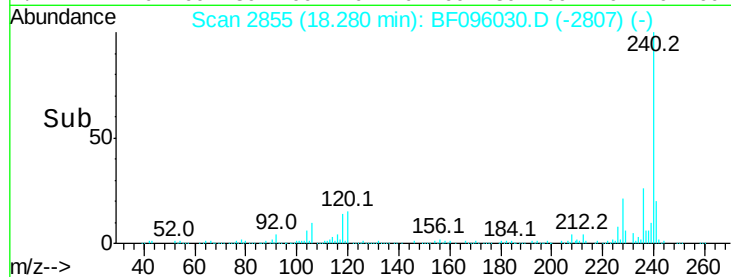
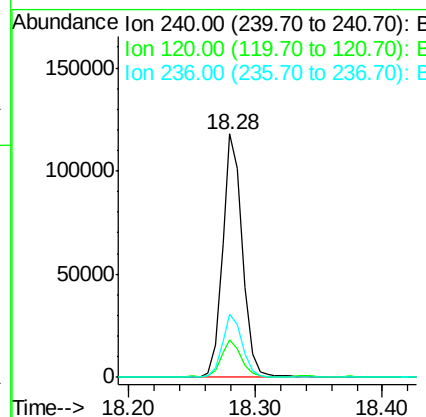
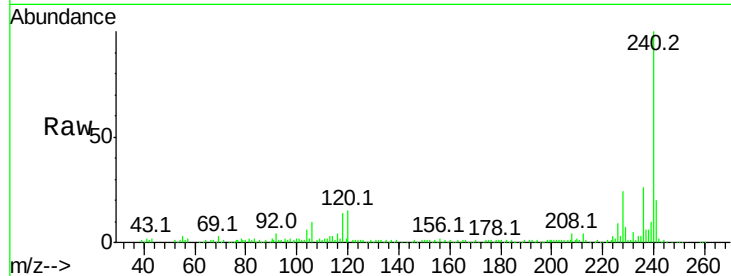
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.28 min Scan# 2855
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Instrument :
BNA_F
ClientSampleId :
G11-0-1.5

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.2	5.8	8.8#
236	26.2	20.5	30.7

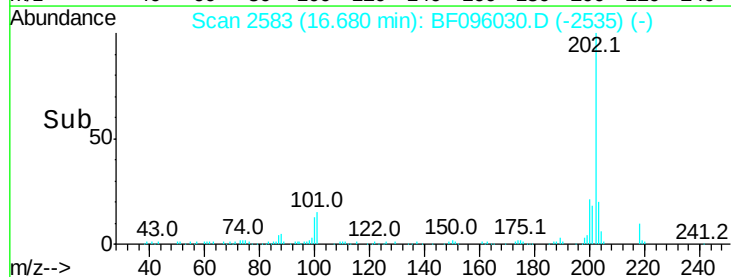
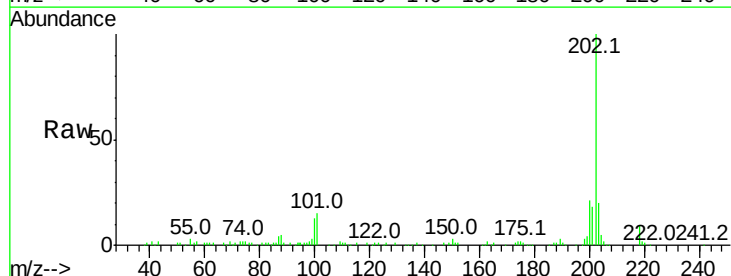
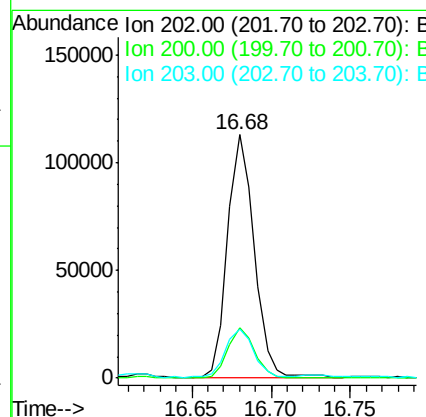
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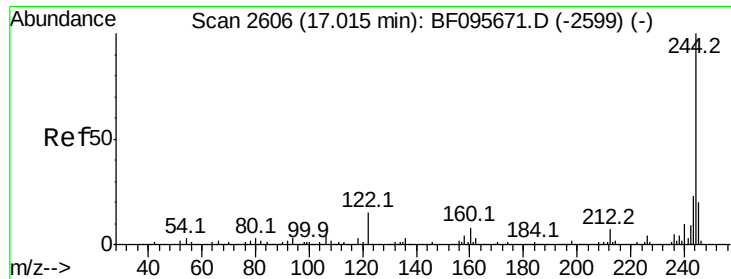
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#77
Pyrene
Concen: 13.67 ng
RT: 16.68 min Scan# 2583
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.6	26.4
203	20.0	14.4	21.6





#78

Terphenyl-d14

Concen: 78.73 ng

RT: 16.93 min Scan# 2626

Delta R.T. -0.02 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

Instrument :

BNA_F

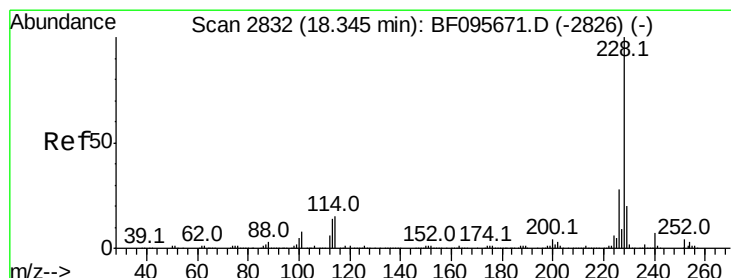
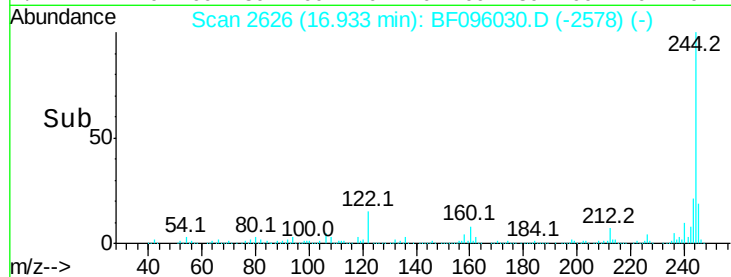
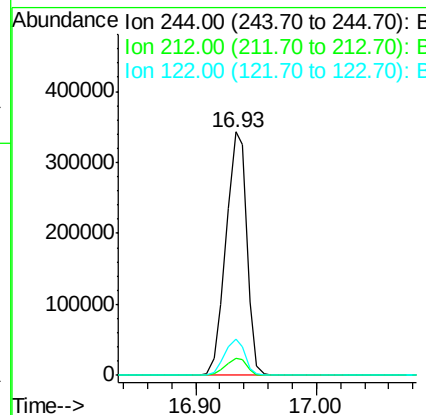
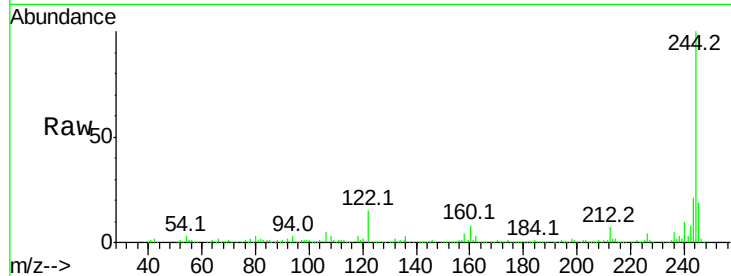
ClientSampleId :

G11-0-1.5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.9	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 8.91 ng

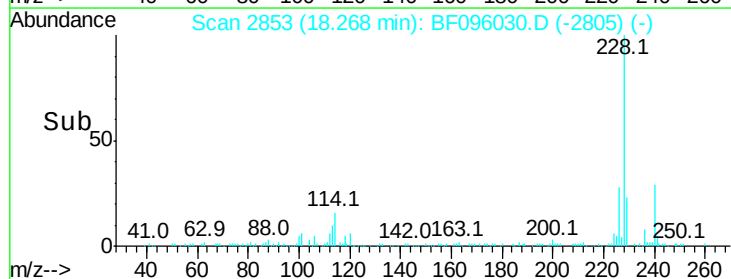
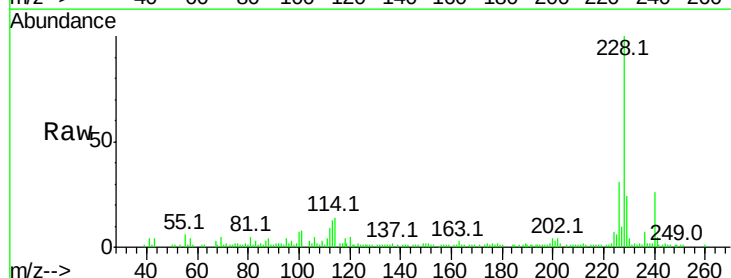
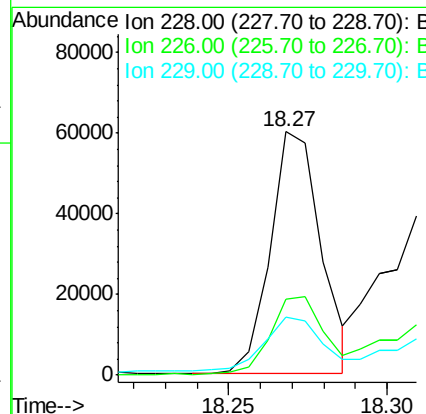
RT: 18.27 min Scan# 2853

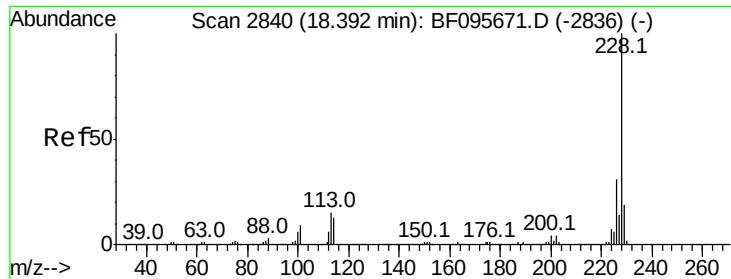
Delta R.T. -0.02 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	23.9	16.3	24.5





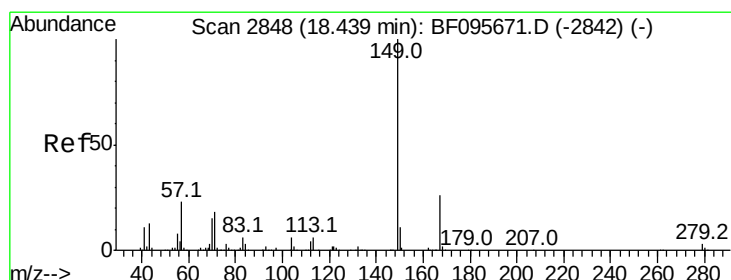
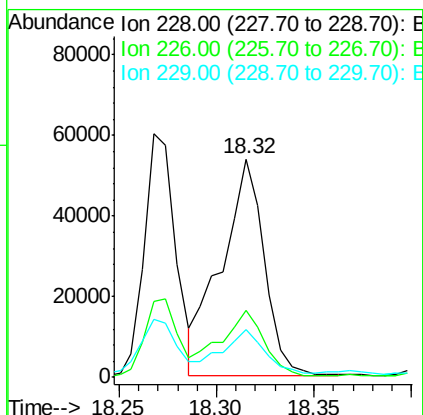
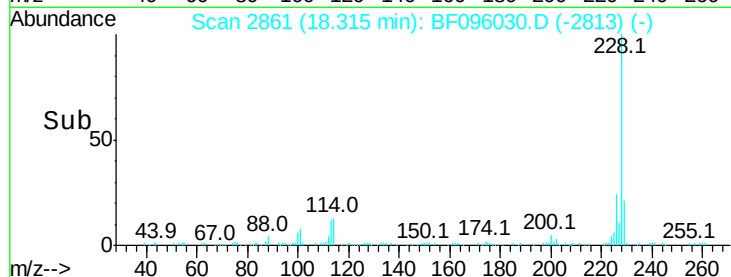
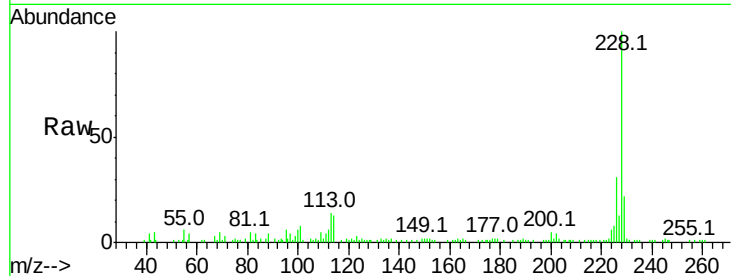
#82
Chrysene
Concen: 11.00 ng
RT: 18.32 min Scan# 2861
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Instrument :
BNA_F
ClientSampleId :
G11-0-1.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	21.6	15.8	23.6

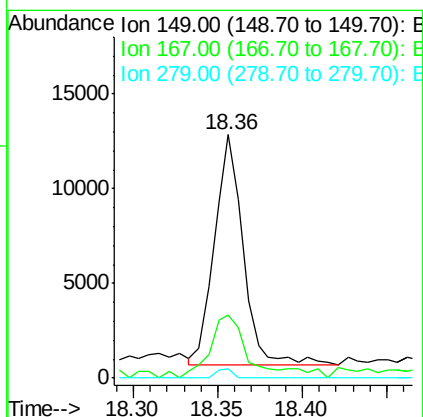
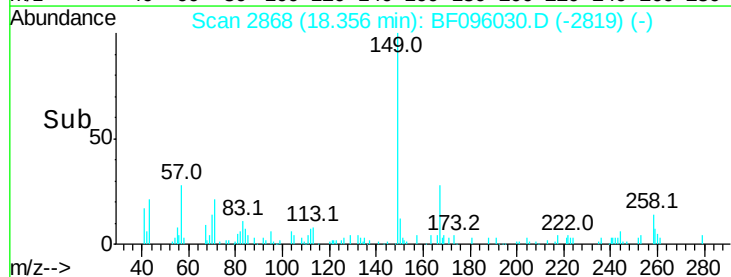
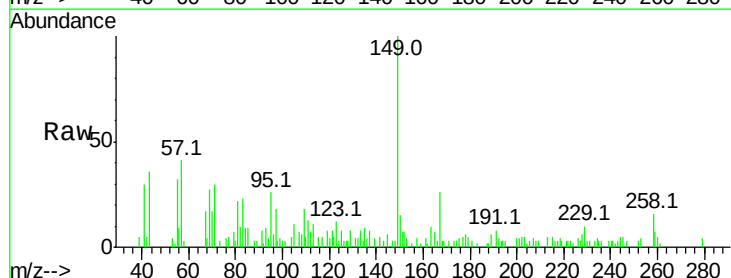
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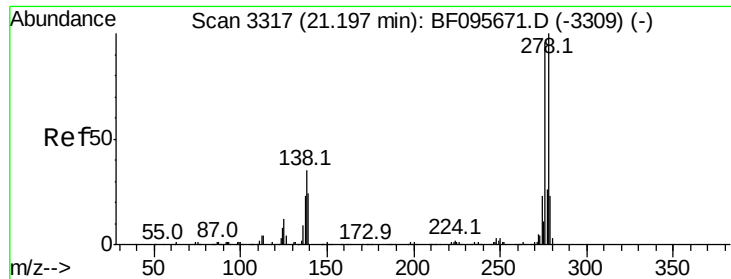
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.43 ng
RT: 18.36 min Scan# 2868
Delta R.T. -0.01 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.0	31.4
279	3.8	1.9	2.9#





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.58 ng

RT: 21.13 min Scan# 3339

Delta R.T. 0.00 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

Instrument :

BNA_F

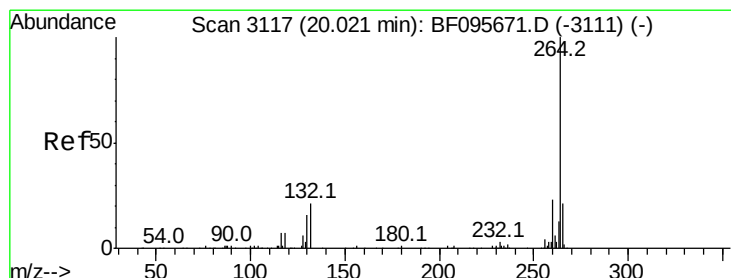
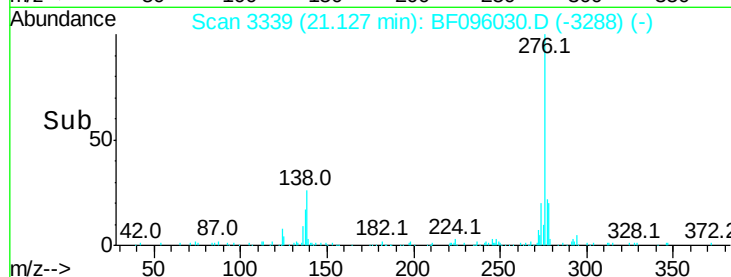
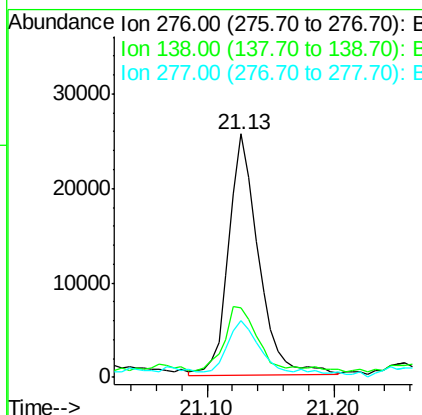
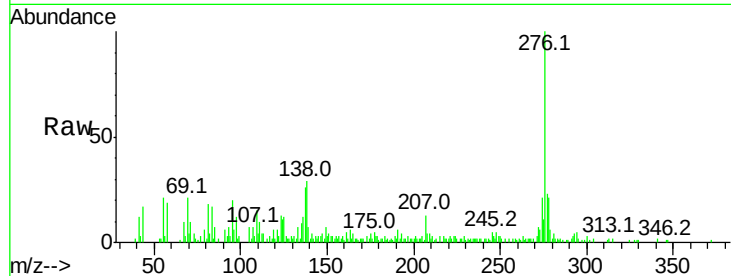
ClientSampleId :

G11-0-1.5

Tot Ion:	276	Resp:	42064
Ion Ratio	Lower	Upper	
276	100		
138	31.4	27.8	41.6
277	21.0	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

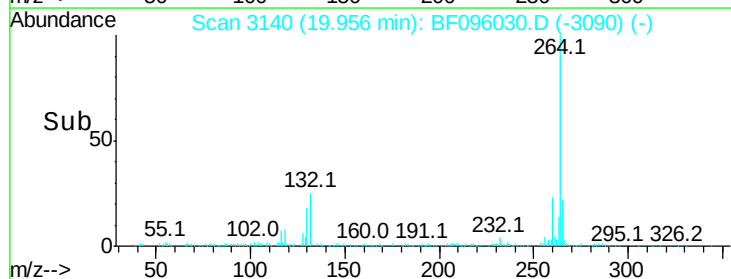
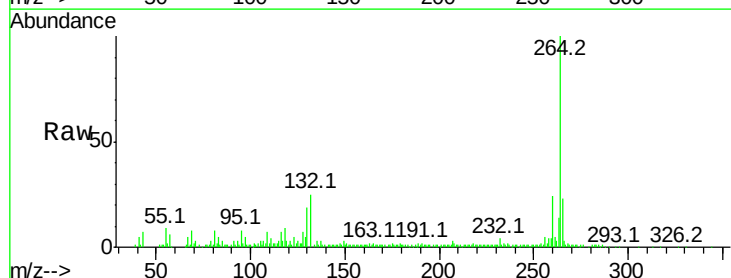
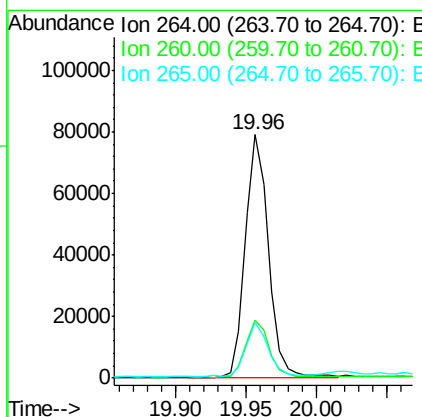
RT: 19.96 min Scan# 3140

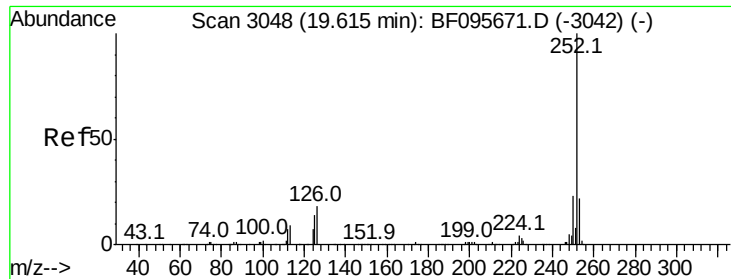
Delta R.T. -0.01 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

Tgt Ion:	264	Resp:	91612
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.5	29.3
265	22.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 21.41 ng m

RT: 19.55 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

Instrument :

BNA_F

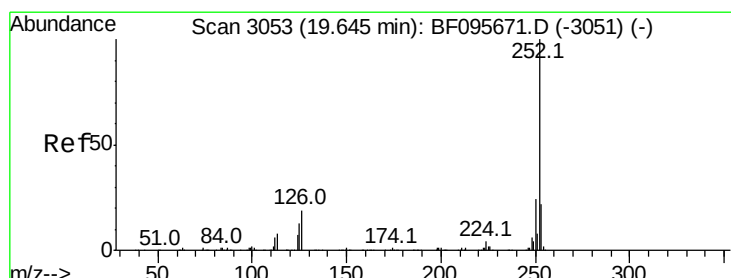
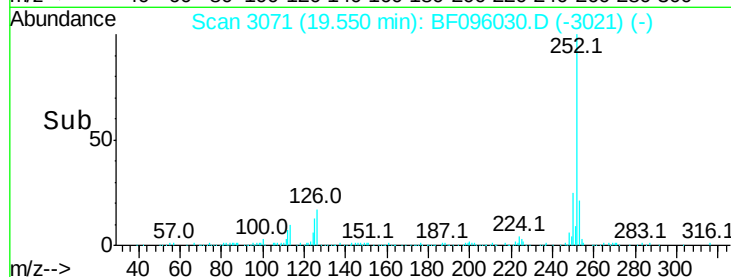
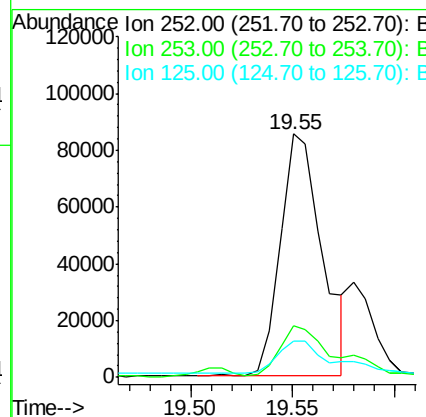
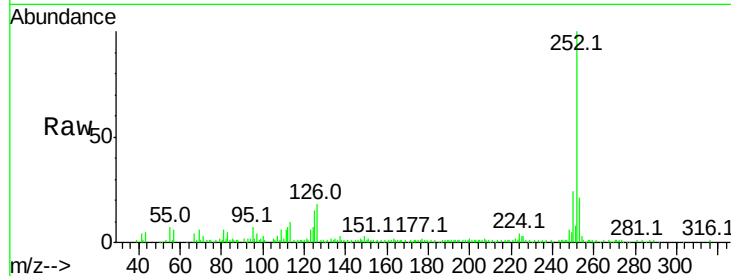
ClientSampleId :

G11-0-1.5

Tot Ion:	252	Resp:	122828
Ion Ratio	Lower	Upper	
252	100		
253	21.1	18.1	27.1
125	14.7	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 5.34 ng m

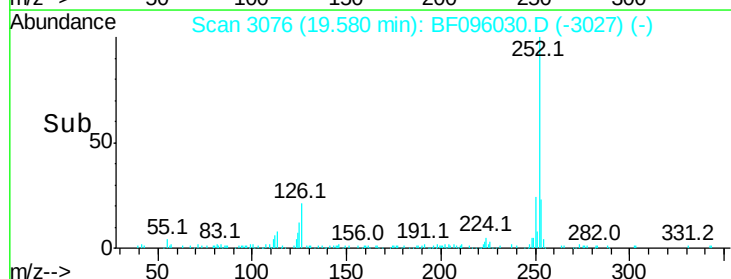
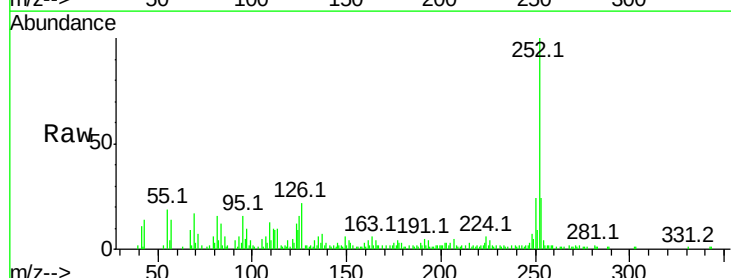
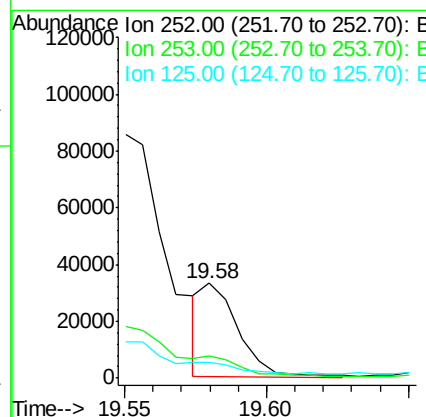
RT: 19.58 min Scan# 3076

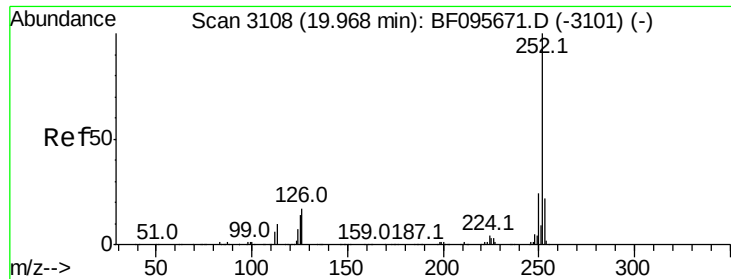
Delta R.T. -0.01 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

Tgt Ion:	252	Resp:	29299
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.4	27.6
125	16.1	13.1	19.7





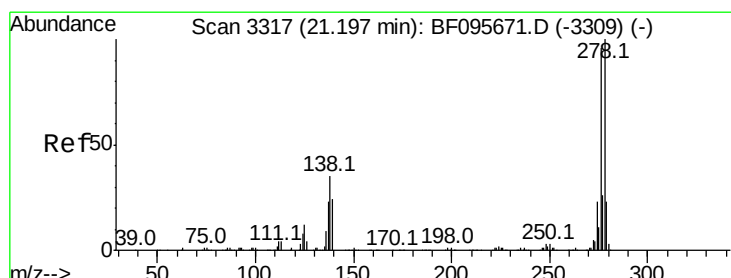
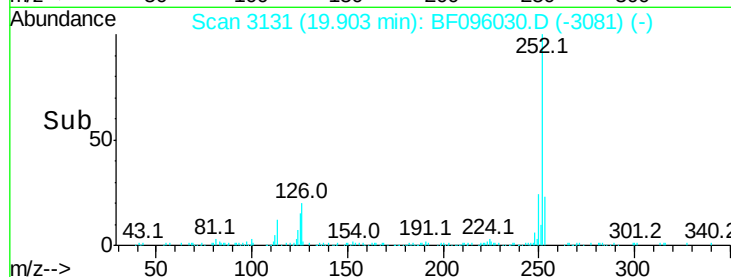
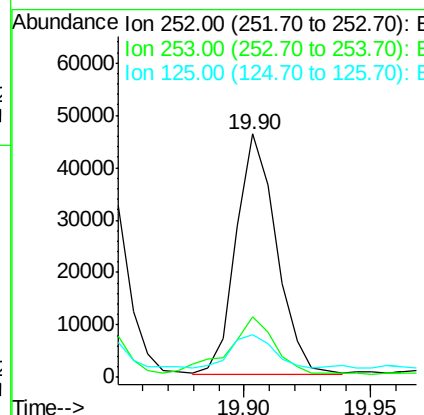
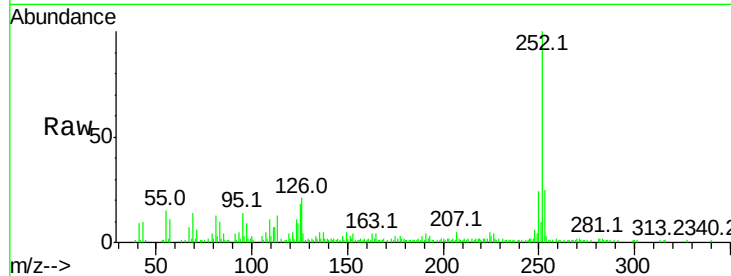
#89
Benzo(a)pyrene
Concen: 9.65 ng
RT: 19.90 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Instrument :
BNA_F
ClientSampleId :
G11-0-1.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	17.7	11.0	16.4

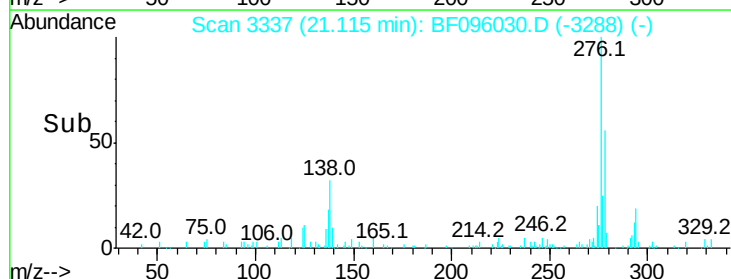
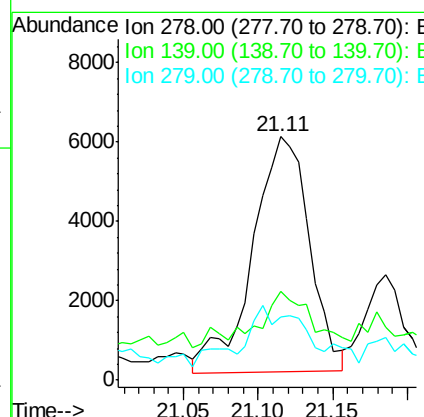
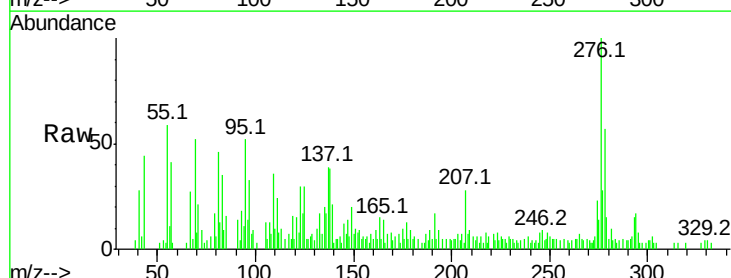
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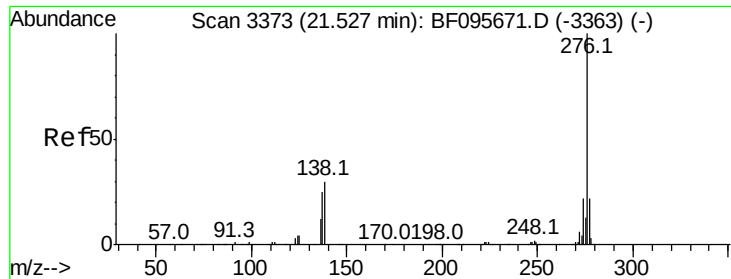
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#90
Dibenzo(a,h)anthracene
Concen: 3.50 ng
RT: 21.11 min Scan# 3337
Delta R.T. -0.01 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.5	16.6	24.8
279	25.9	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 7.77 ng
 RT: 21.46 min Scan# 3395
 Delta R.T. 0.01 min
 Lab File: BF096030.D
 Acq: 20 Jun 2017 6:19

Instrument :
 BNA_F
 ClientSampleId :
 G11-0-1.5

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.5	18.6	28.0#
138	38.7	25.4	38.0#

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