

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096091.D
 Acq On : 21 Jun 2017 18:47
 Operator : SJ/MA
 Sample : I3736-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G22-1.5-3

Manual Integrations
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 6/22/2017 5:34:45 PM

Quant Time: Jun 22 01:27:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	88854	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	338280	20.00	ng	0.00
38) Acenaphthene-d10	12.15	164	144727	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	215330	20.00	ng	0.00
75) Chrysene-d12	18.28	240	168132	20.00	ng	0.00
86) Perylene-d12	19.96	264	105829	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	608246	109.08	ng	0.00
7) Phenol-d6	6.87	99	652311	97.71	ng	0.00
23) Nitrobenzene-d5	8.21	82	415204	76.23	ng	-0.01
41) 2,4,6-Tribromophenol	13.45	330	117716	91.93	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	743821	71.52	ng	0.00
78) Terphenyl-d14	16.93	244	437745	64.61	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	9.36	128	97735	5.76	ng	98
37) 2-Methylnaphthalene	10.49	142	58764	5.12	ng	98
49) Dimethylphthalate	11.80	163	90708	8.25	ng	# 97
54) Dibenzofuran	12.50	168	26774	2.07	ng	100
70) Phenanthrene	14.57	178	81727	6.58	ng	98
71) Anthracene	14.67	178	31215m	2.41	ng	
74) Fluoranthene	16.37	202	94183	7.66	ng	99
77) Pyrene	16.68	202	100715	8.03	ng	# 94
80) Benzo(a)anthracene	18.27	228	44741	4.58	ng	# 81
82) Chrysene	18.32	228	62334	6.38	ng	# 93
83) Bis(2-ethylhexyl)phthalate	18.35	149	24493	3.17	ng	# 98
85) Indeno(1,2,3-cd)pyrene	21.13	276	22806	2.73	ng	97
87) Benzo(b)fluoranthene	19.56	252	62580m	9.44	ng	
88) Benzo(k)fluoranthene	19.58	252	16421m	2.59	ng	
89) Benzo(a)pyrene	19.91	252	29527	4.85	ng	# 65
91) Benzo(g,h,i)perylene	21.46	276	21259	4.04	ng	# 89

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

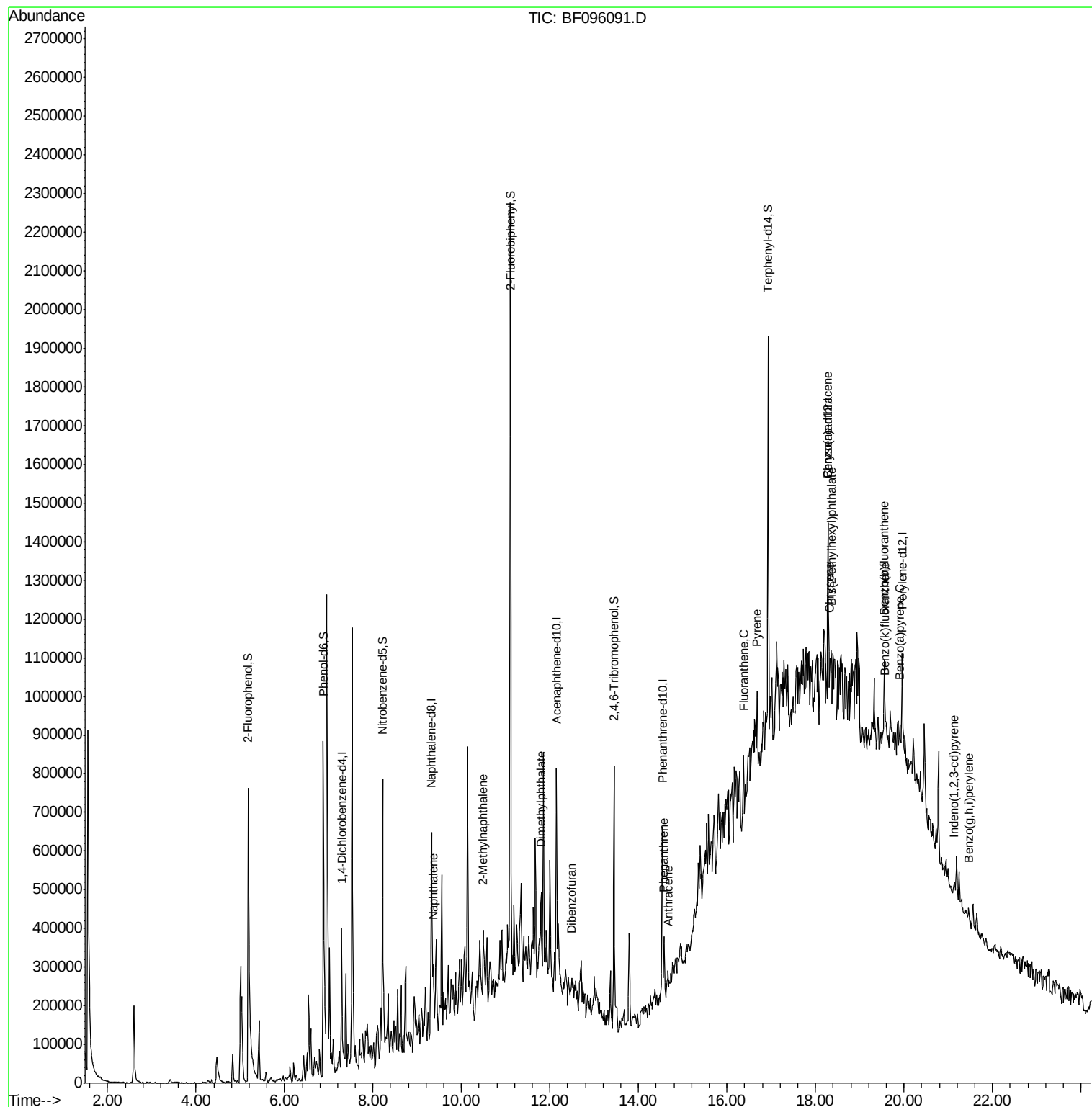
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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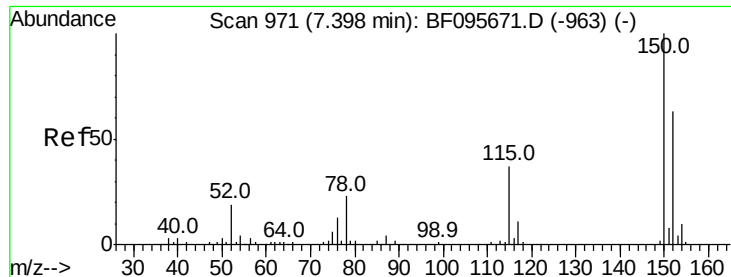
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
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#1

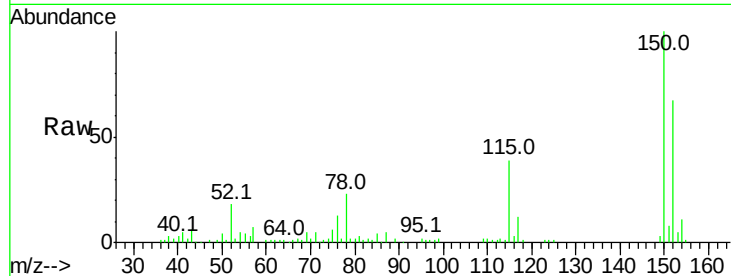
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096091.D
Acq: 21 Jun 2017 18:47

Instrument :
BNA_F
ClientSampleId :
G22-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.4	126.2	189.2
115	57.4	52.2	78.2

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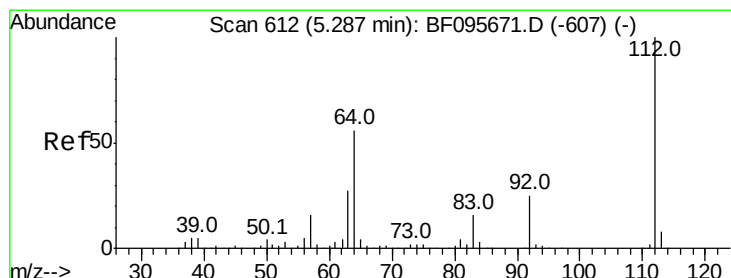
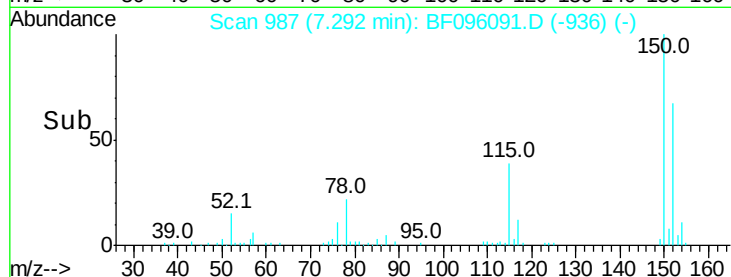
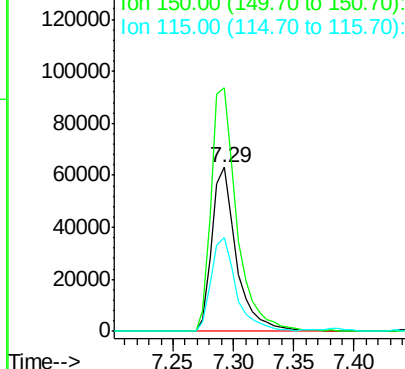


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

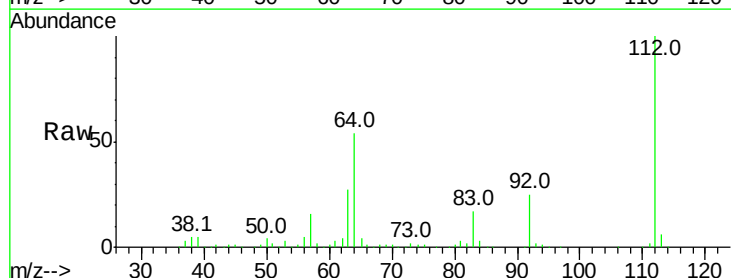
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.08 ng
RT: 5.18 min Scan# 628
Delta R.T. 0.00 min
Lab File: BF096091.D
Acq: 21 Jun 2017 18:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	46.0	69.0
63	26.9	23.4	35.0

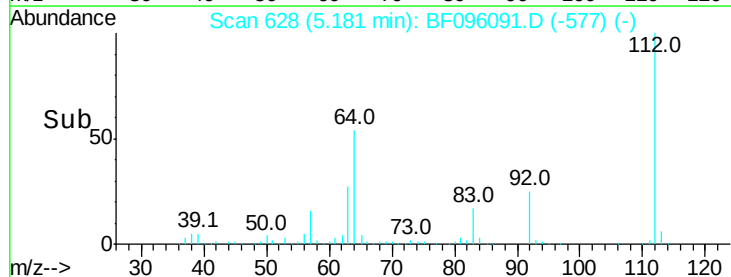
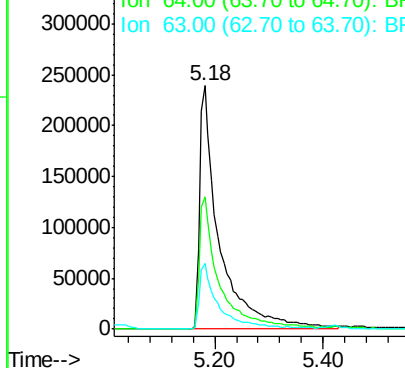


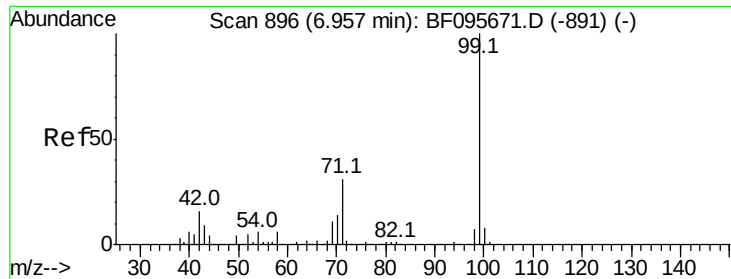
Abundance

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: 97.71 ng

RT: 6.87 min Scan# 916

Delta R.T. 0.00 min

Lab File: BF096091.D

Acq: 21 Jun 2017 18:47

Instrument :

BNA_F

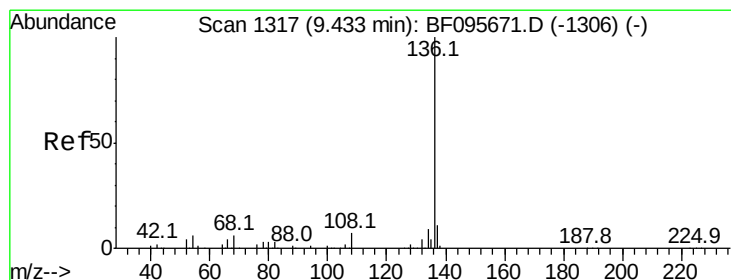
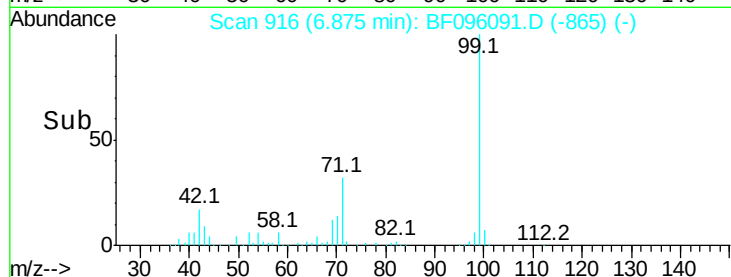
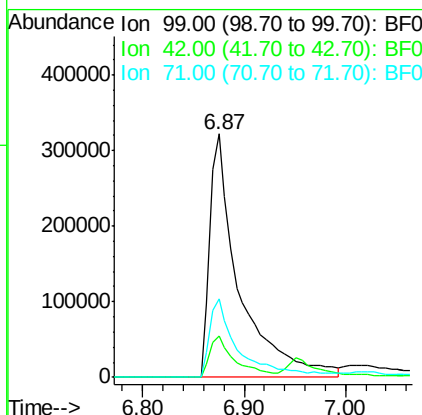
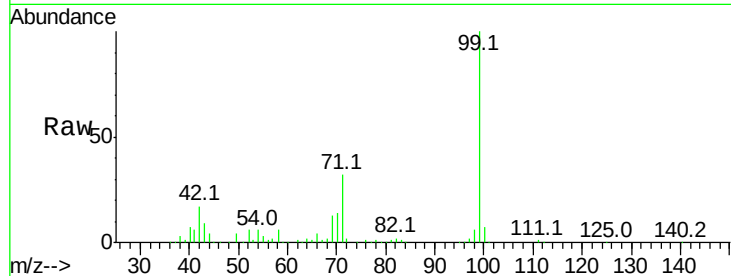
ClientSampleId :

G22-1.5-3

Tot Ion	99	Resp	652311
Ion Ratio	Lower	Upper	
99	100		
42	16.8	13.5	20.3
71	32.1	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

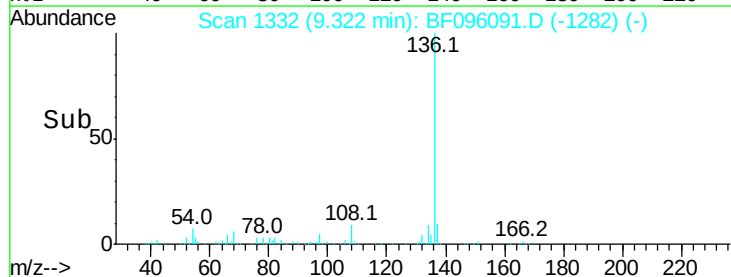
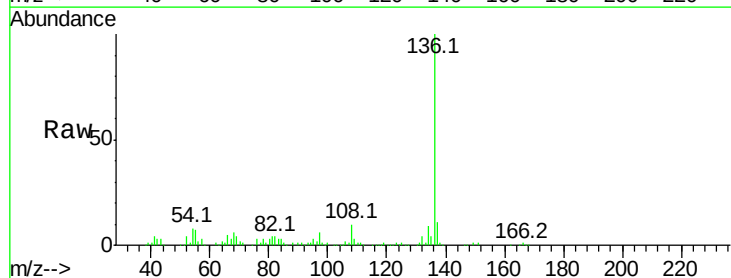
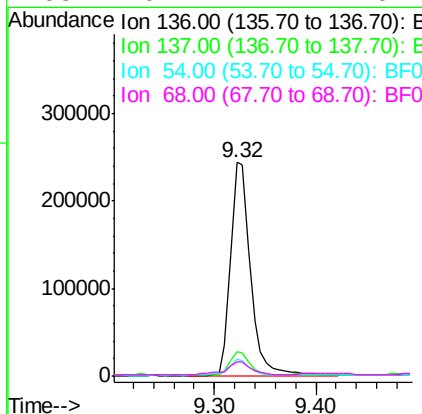
RT: 9.32 min Scan# 1332

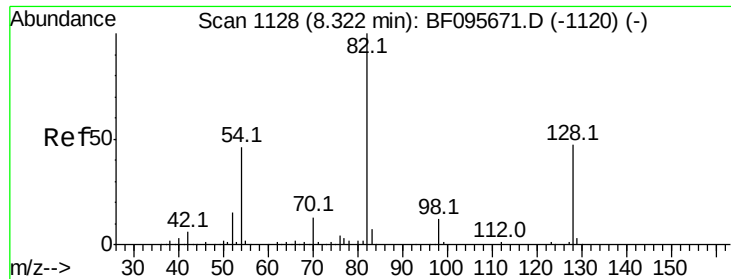
Delta R.T. -0.01 min

Lab File: BF096091.D

Acq: 21 Jun 2017 18:47

Tgt Ion	136	Resp	338280
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	7.5	4.9	7.3#
68	6.4	4.1	6.1#





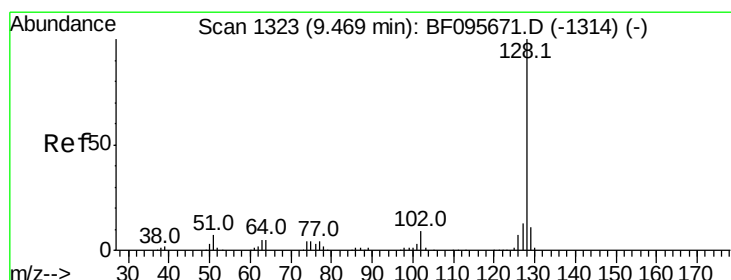
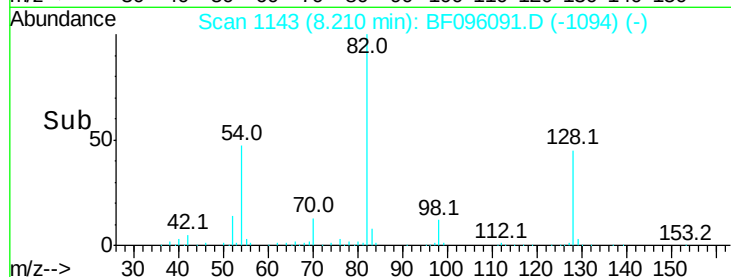
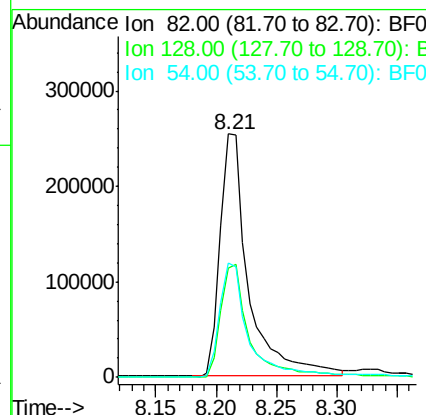
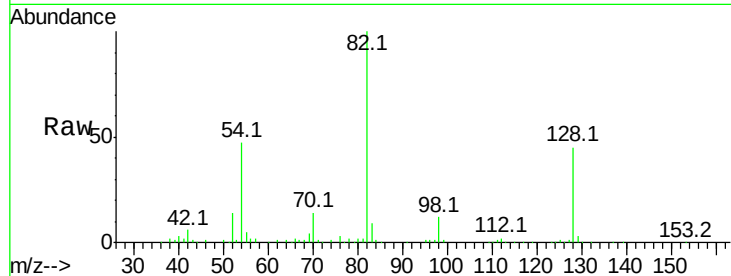
#23
 Nitrobenzene-d5
 Concen: 76.23 ng
 RT: 8.21 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF096091.D
 Acq: 21 Jun 2017 18:47

Instrument :
 BNA_F
 ClientSampleId :
 G22-1.5-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.0	51.0
54	47.1	42.2	63.2

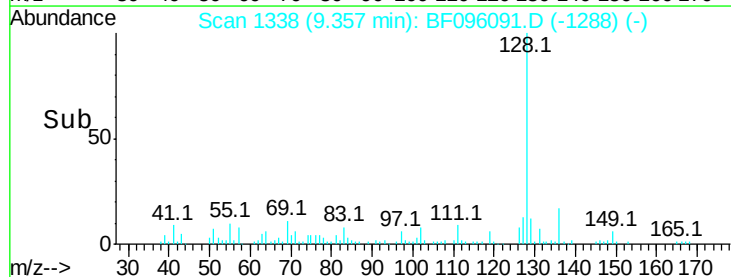
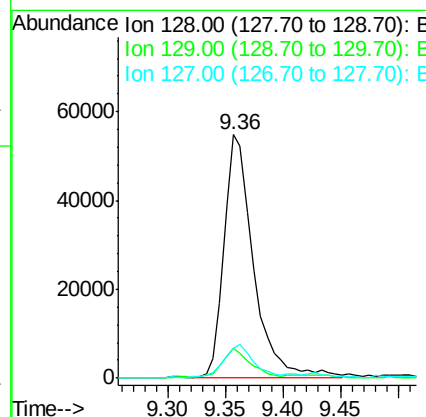
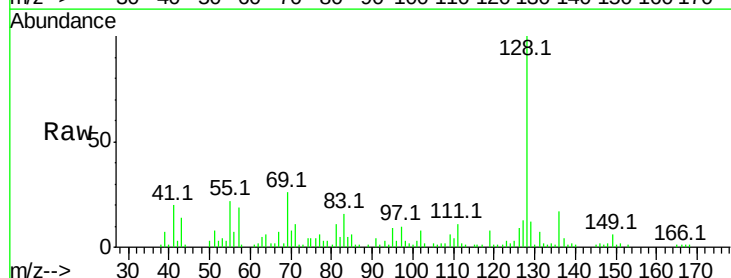
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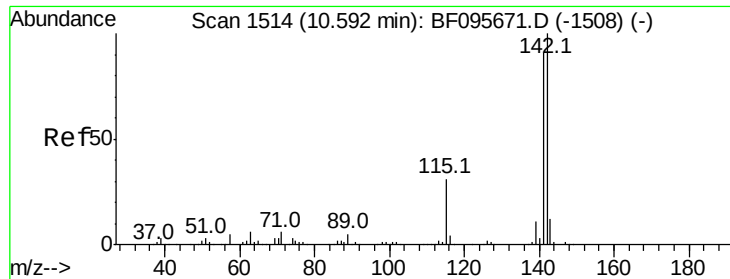
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#31
 Naphthalene
 Concen: 5.76 ng
 RT: 9.36 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF096091.D
 Acq: 21 Jun 2017 18:47

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.0	13.6
127	12.5	10.8	16.2





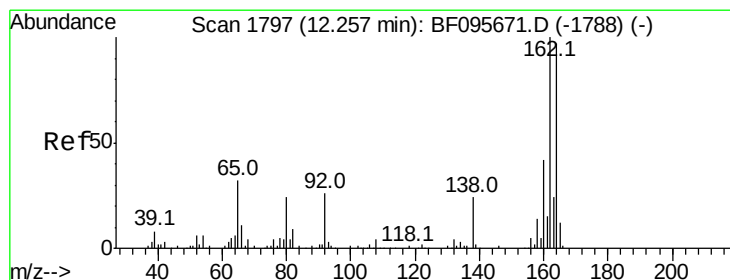
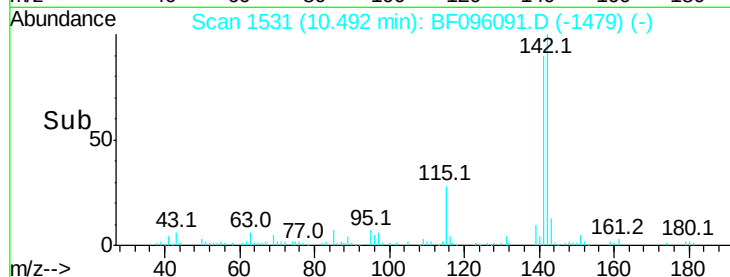
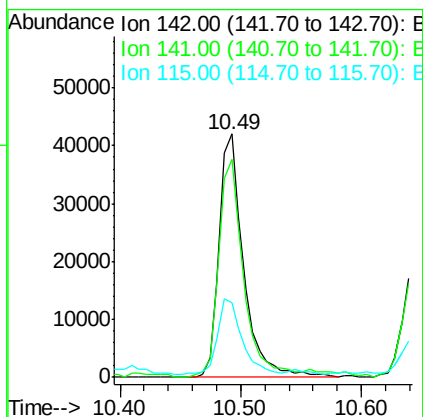
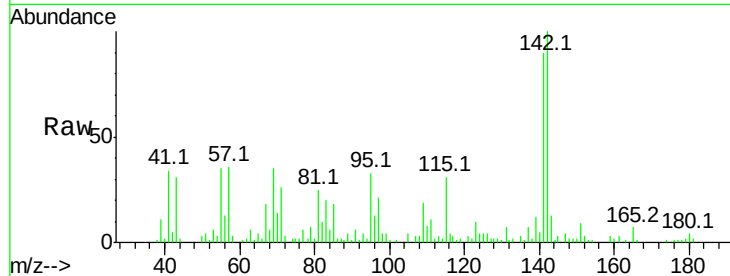
#37
2-Methylnaphthalene
Concen: 5.12 ng
RT: 10.49 min Scan# 1531
Delta R.T. 0.01 min
Lab File: BF096091.D
Acq: 21 Jun 2017 18:47

Instrument :
BNA_F
ClientSampleId :
G22-1.5-3

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.3	106.9
115	30.7	27.1	40.7

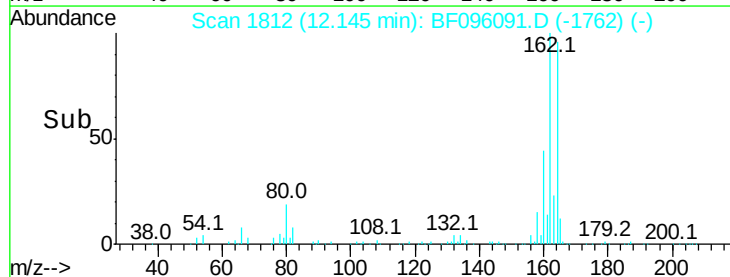
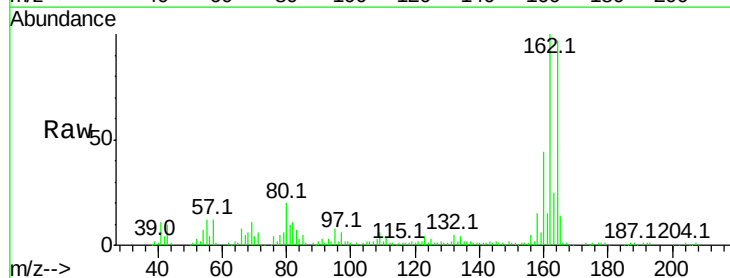
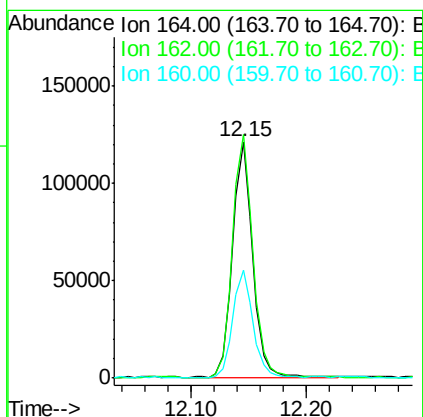
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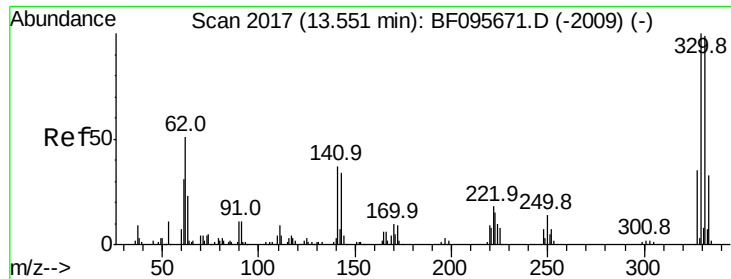
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.15 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF096091.D
Acq: 21 Jun 2017 18:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	45.6	36.2	54.2





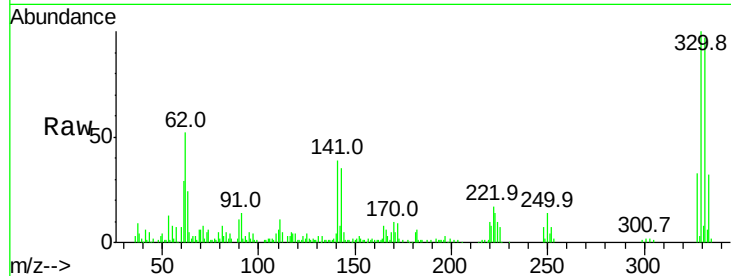
#41
 2,4,6-Tribromophenol
 Concen: 91.93 ng
 RT: 13.45 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF096091.D
 Acq: 21 Jun 2017 18:47

Instrument :
 BNA_F
 ClientSampleId :
 G22-1.5-3

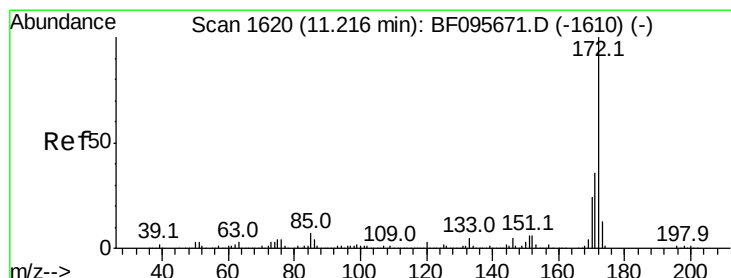
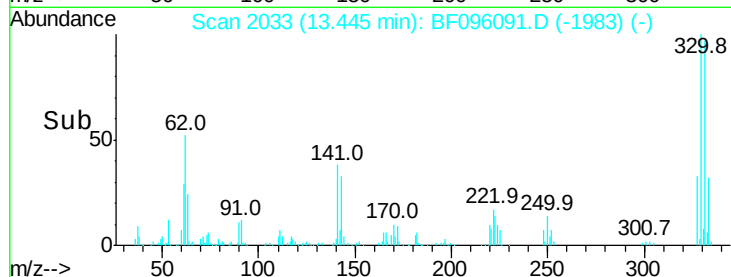
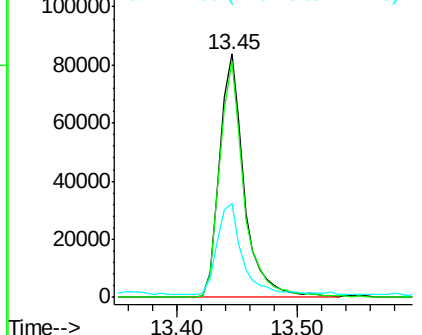
Tot Ion	Ratio	Resp	Lower	Upper
330	100	117716		
332	96.4	76.6	115.0	
141	38.2	31.4	47.2	

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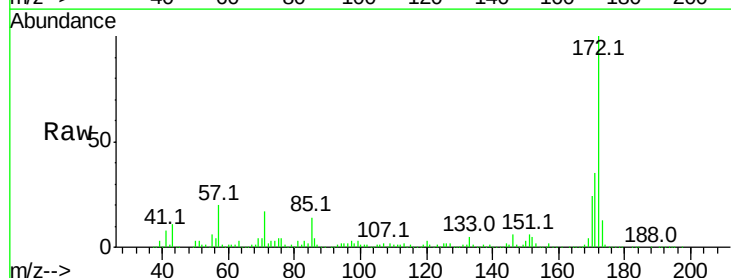


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

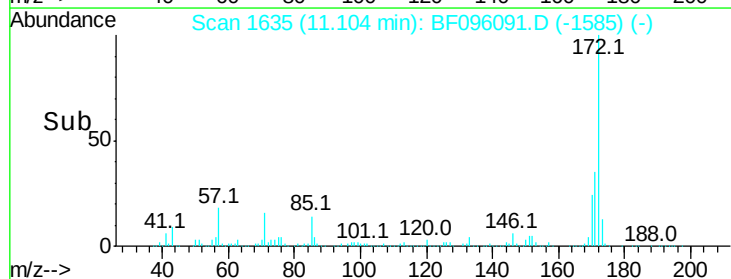
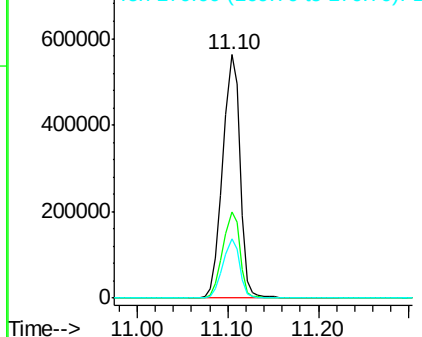


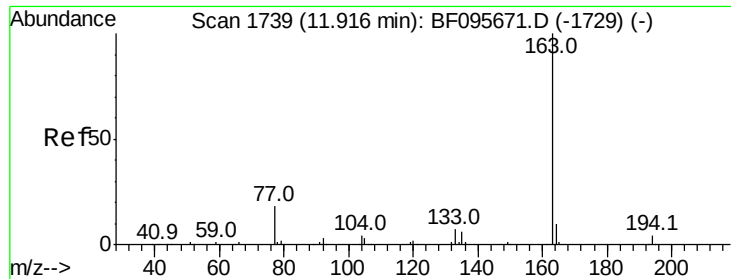
#44
 2-Fluorobiphenyl
 Concen: 71.52 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096091.D
 Acq: 21 Jun 2017 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	743821		
171	35.4	29.6	44.4	
170	24.1	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





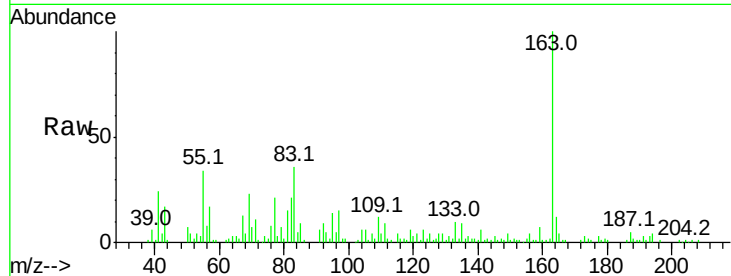
#49
Dimethylphthalate
Concen: 8.25 ng
RT: 11.80 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF096091.D
Acq: 21 Jun 2017 18:47

Instrument :
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G22-1.5-3

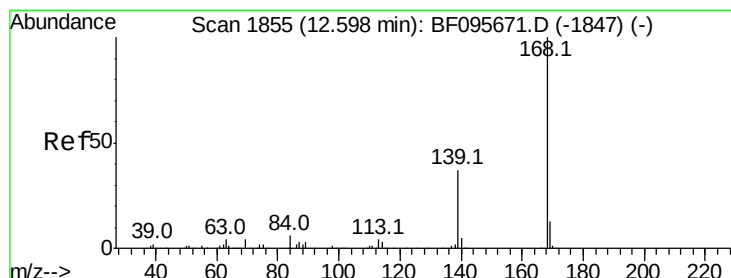
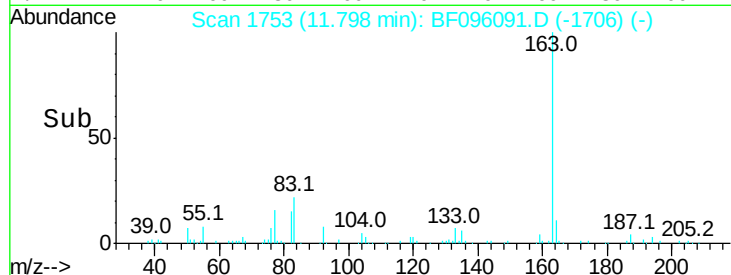
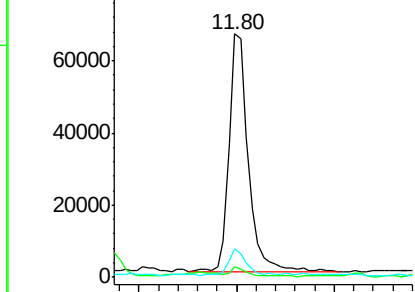
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.6	4.0#
164	11.7	8.4	12.6

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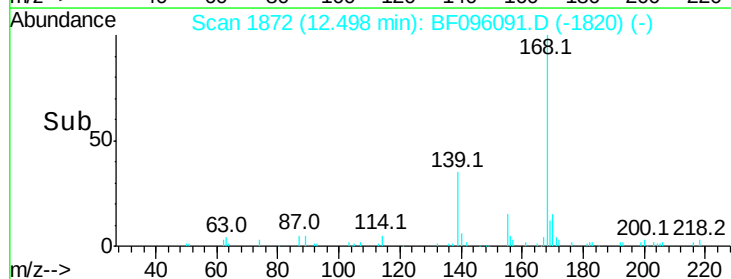
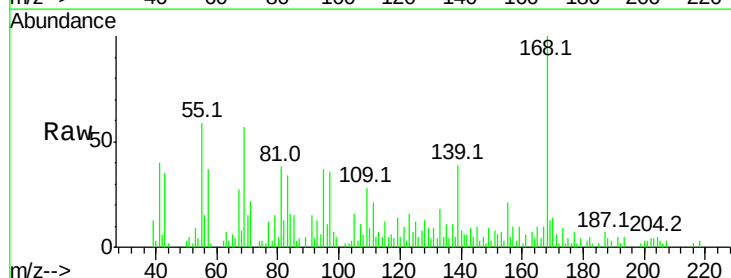
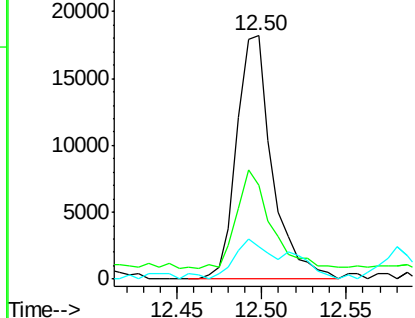
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

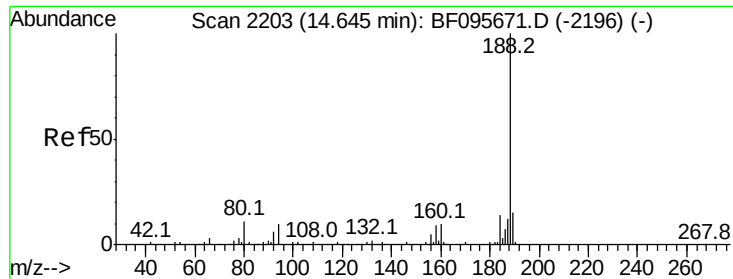


#54
Dibenzofuran
Concen: 2.07 ng
RT: 12.50 min Scan# 1872
Delta R.T. 0.01 min
Lab File: BF096091.D
Acq: 21 Jun 2017 18:47

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.6	45.8
169	13.4	10.8	16.2

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





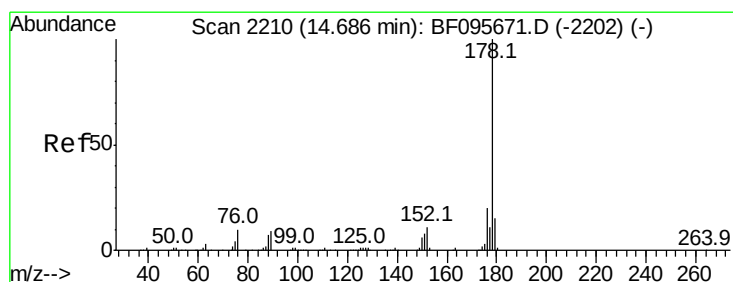
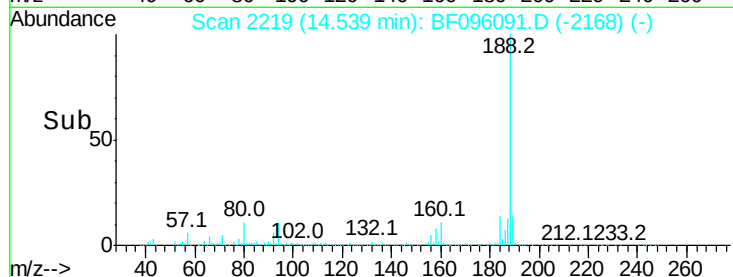
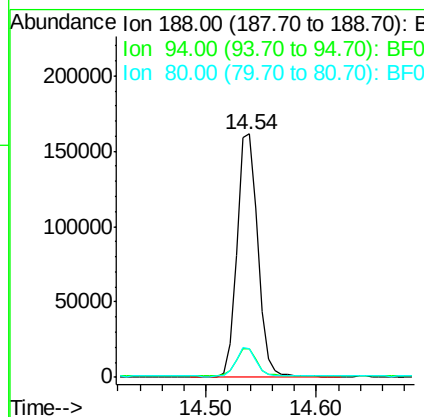
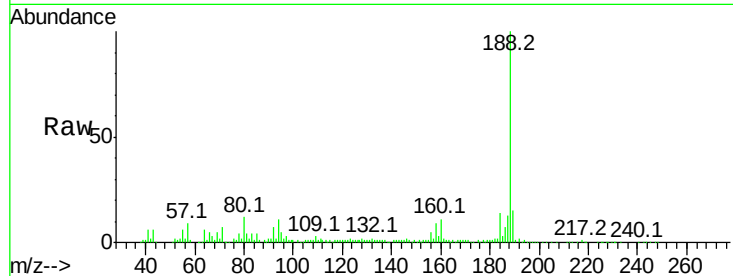
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF096091.D
Acq: 21 Jun 2017 18:47

Instrument :
BNA_F
ClientSampleId :
G22-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.5	9.4	14.2
80	11.9	10.2	15.2

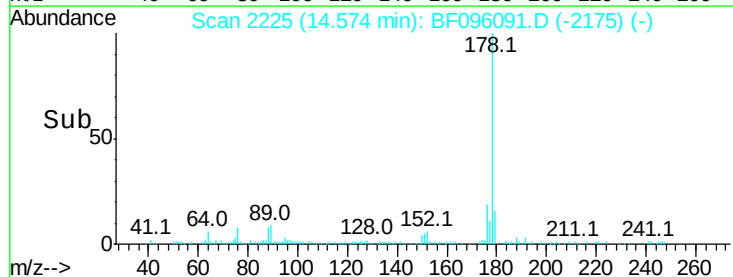
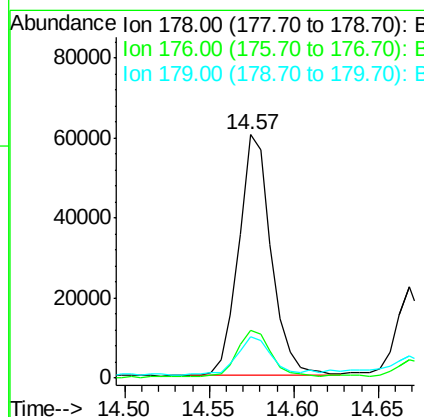
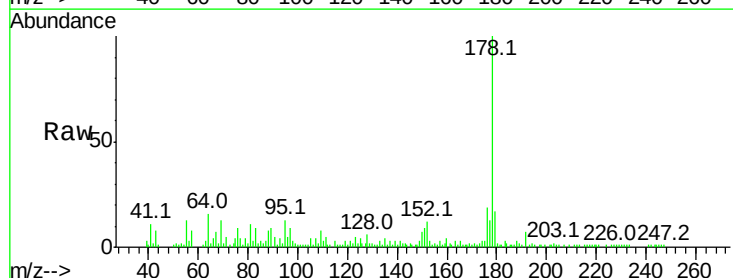
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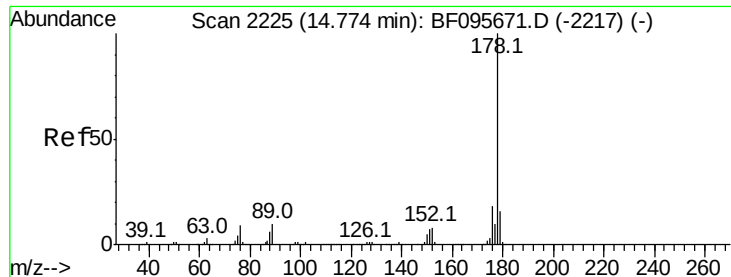
mohammad
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#70
Phenanthrene
Concen: 6.58 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096091.D
Acq: 21 Jun 2017 18:47

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	16.2	24.4
179	16.9	12.6	19.0





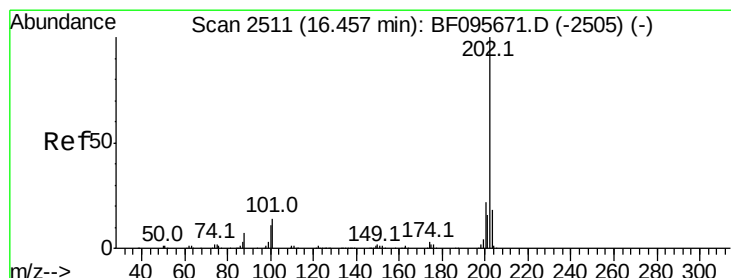
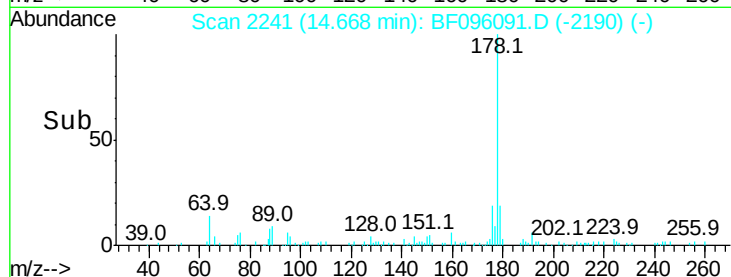
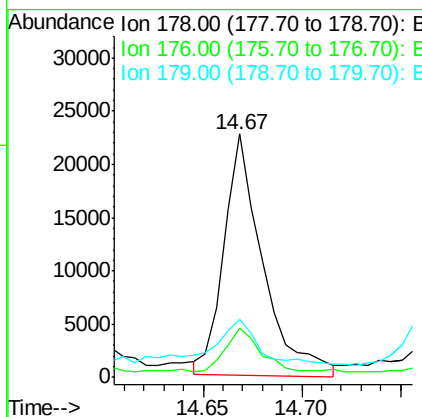
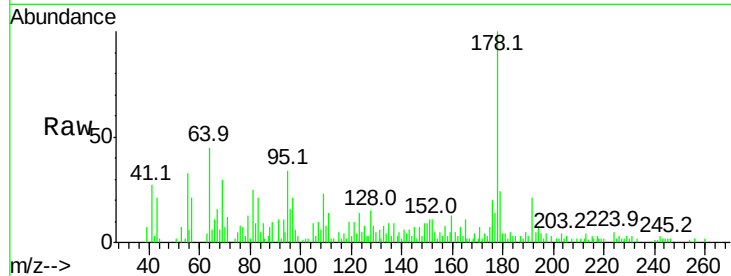
#71
 Anthracene
 Concen: 2.41 ng/mL
 RT: 14.67 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: BF096091.D
 Acq: 21 Jun 2017 18:47

Instrument :
 BNA_F
 ClientSampleId :
 G22-1.5-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	23.6	12.7	19.1

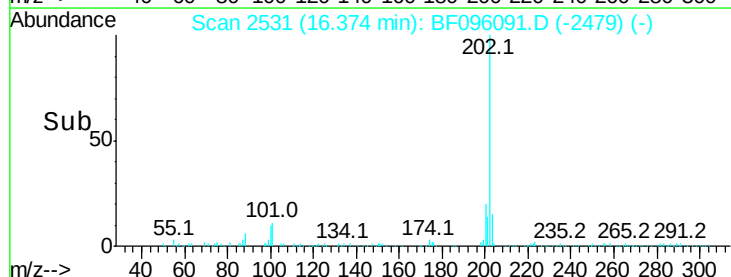
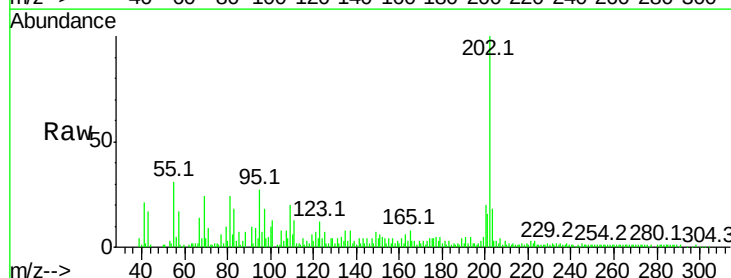
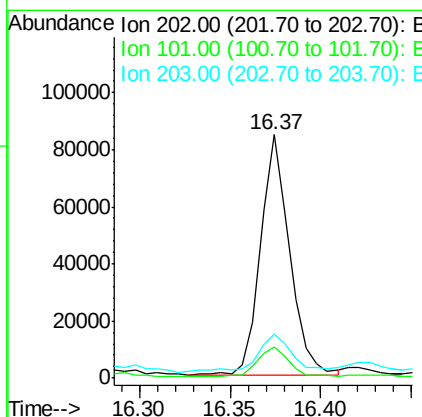
Manual Integrations
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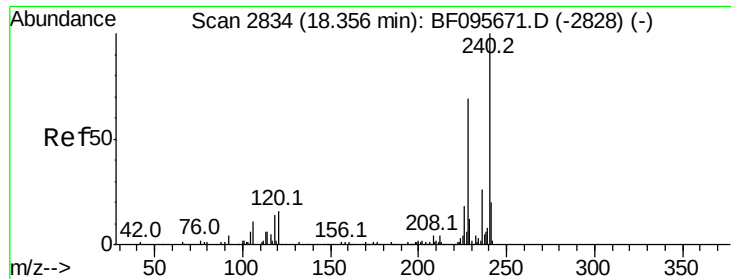
mohammad
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#74
 Fluoranthene
 Concen: 7.66 ng/mL
 RT: 16.37 min Scan# 2531
 Delta R.T. 0.01 min
 Lab File: BF096091.D
 Acq: 21 Jun 2017 18:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.28 min Scan# 2855

Delta R.T. 0.01 min

Lab File: BF096091.D

Acq: 21 Jun 2017 18:47

Instrument :

BNA_F

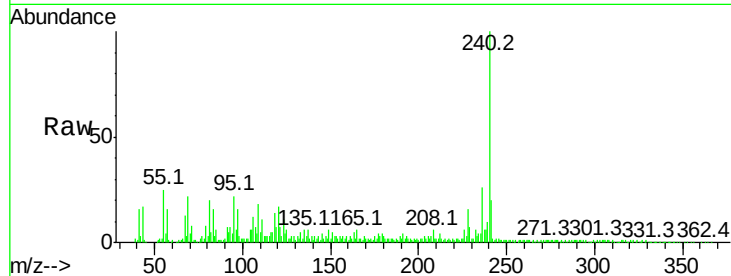
ClientSampleId :

G22-1.5-3

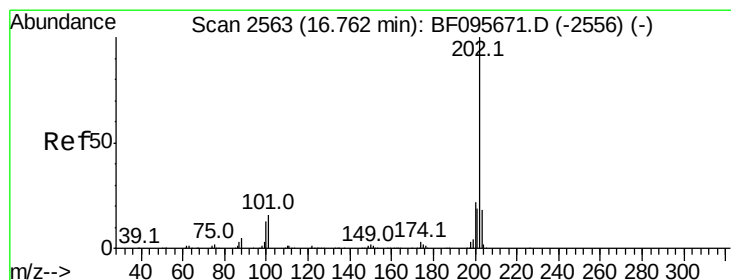
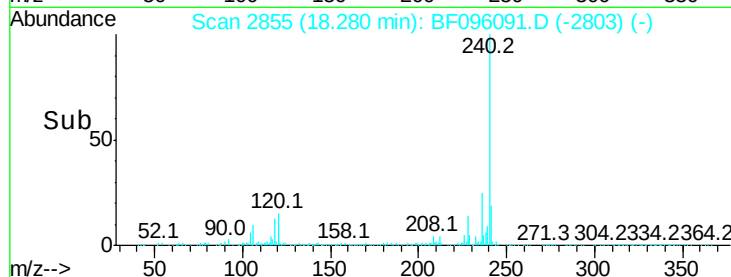
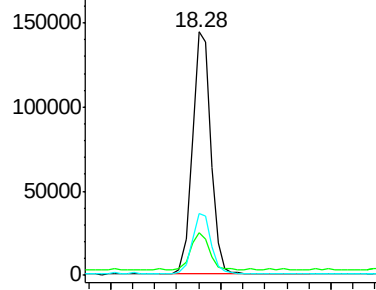
Tot Ion:	240	Resp:	168132
Ion Ratio	Lower	Upper	
240	100		
120	17.3	5.8	8.8#
236	25.6	20.5	30.7

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.03 ng

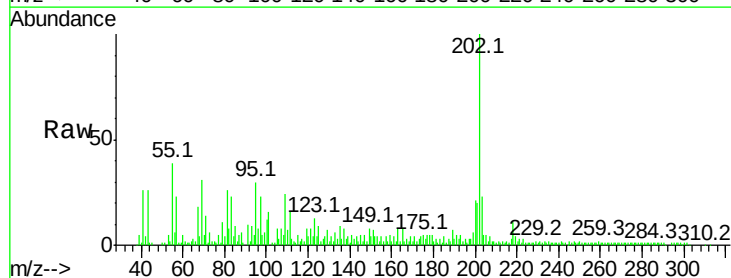
RT: 16.68 min Scan# 2583

Delta R.T. 0.01 min

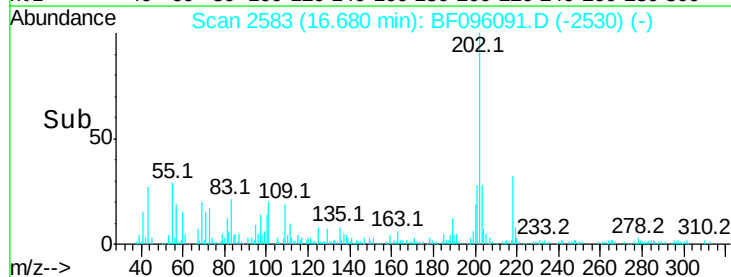
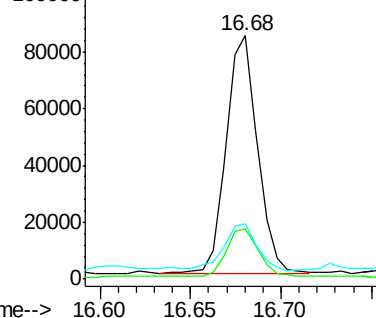
Lab File: BF096091.D

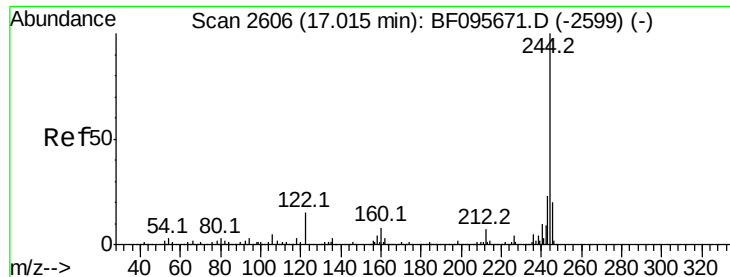
Acq: 21 Jun 2017 18:47

Tgt Ion:	202	Resp:	100715
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.6	26.4
203	22.6	14.4	21.6#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.61 ng

RT: 16.93 min Scan# 2625

Delta R.T. 0.00 min

Lab File: BF096091.D

Acq: 21 Jun 2017 18:47

Instrument :

BNA_F

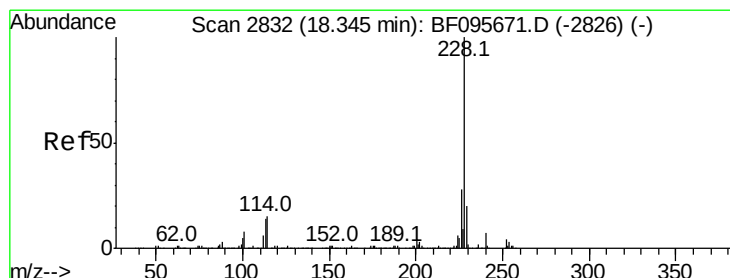
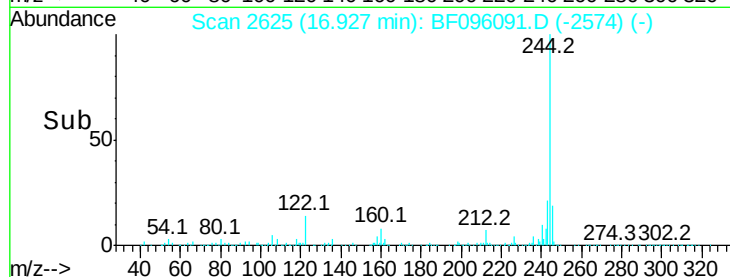
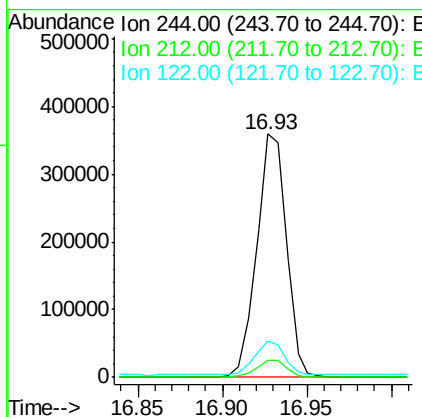
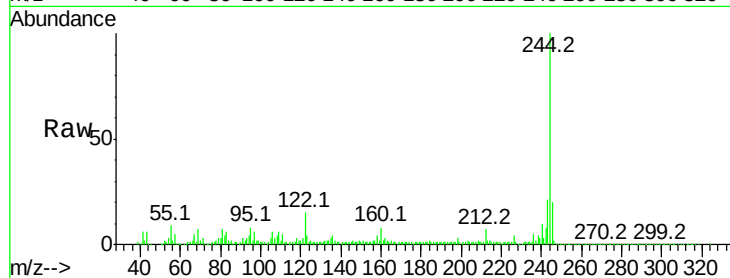
ClientSampleId :

G22-1.5-3

Tot Ion:	244	Resp:	437745
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	14.7	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 4.58 ng

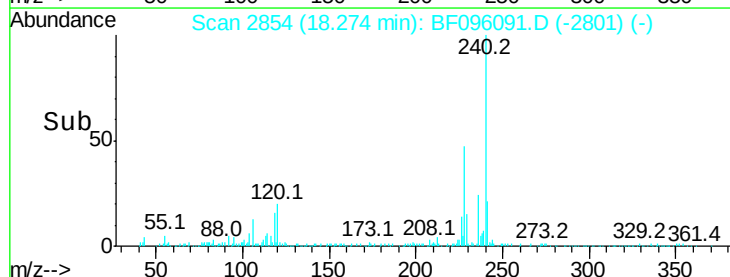
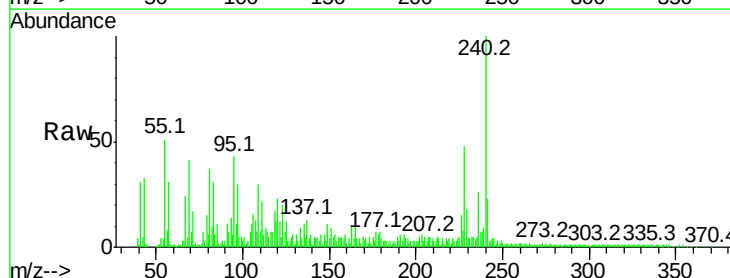
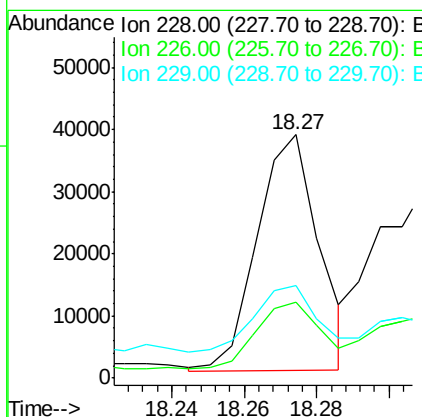
RT: 18.27 min Scan# 2854

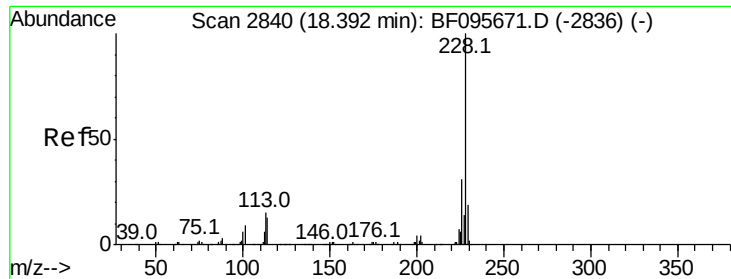
Delta R.T. 0.01 min

Lab File: BF096091.D

Acq: 21 Jun 2017 18:47

Tgt Ion:	228	Resp:	44741
Ion Ratio	Lower	Upper	
228	100		
226	31.4	22.6	33.8
229	37.8	16.3	24.5#





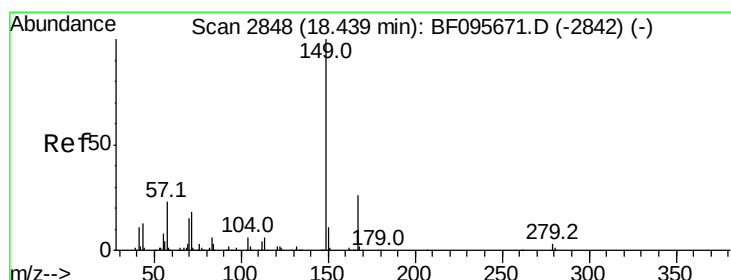
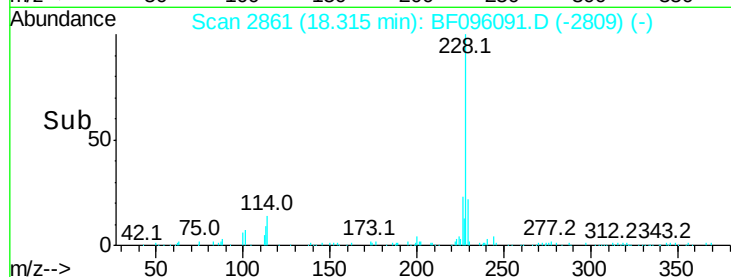
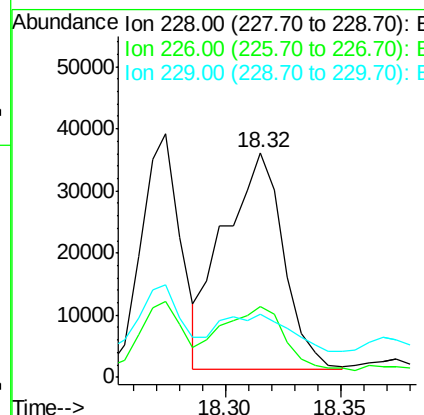
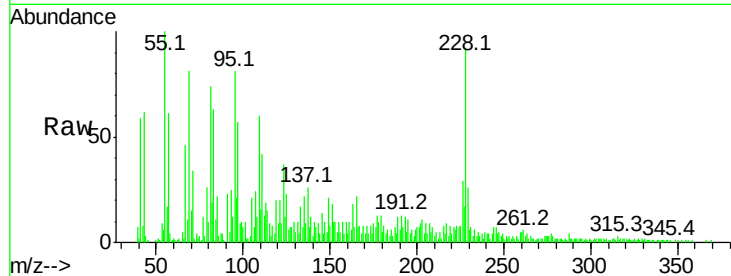
#82
Chrysene
Concen: 6.38 ng
RT: 18.32 min Scan# 2861
Delta R.T. 0.01 min
Lab File: BF096091.D
Acq: 21 Jun 2017 18:47

Instrument :
BNA_F
ClientSampled :
G22-1.5-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.9	37.3
229	27.9	15.8	23.6

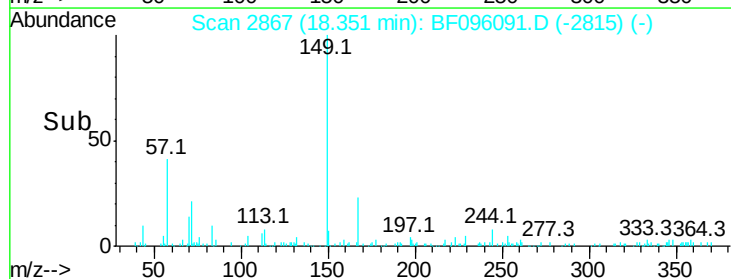
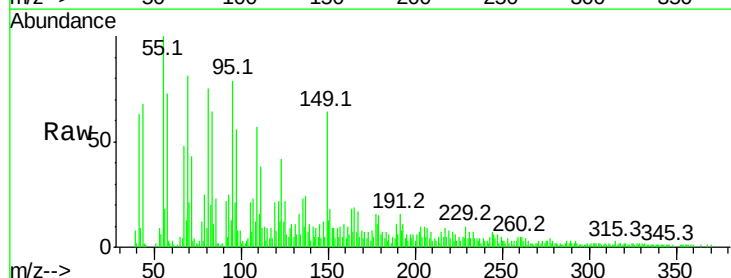
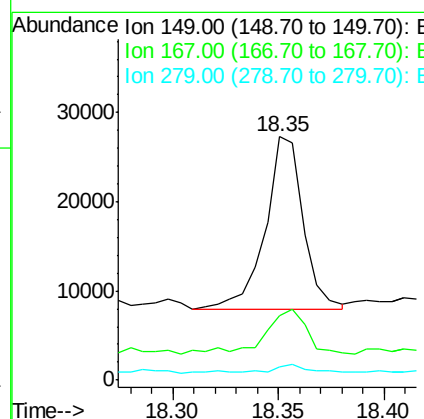
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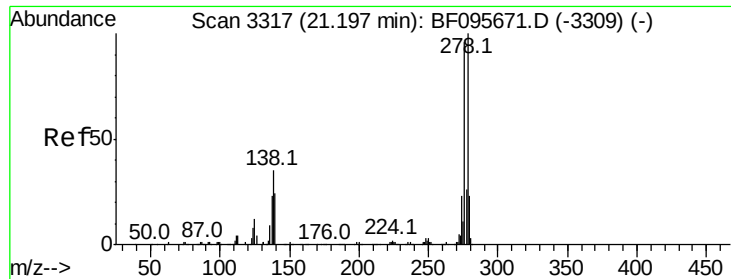
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#83
Bis(2-ethylhexyl)phthalate
Concen: 3.17 ng
RT: 18.35 min Scan# 2867
Delta R.T. 0.01 min
Lab File: BF096091.D
Acq: 21 Jun 2017 18:47

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.0	31.4
279	5.4	1.9	2.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.73 ng

RT: 21.13 min Scan# 3340

Delta R.T. 0.04 min

Lab File: BF096091.D

Acq: 21 Jun 2017 18:47

Instrument :

BNA_F

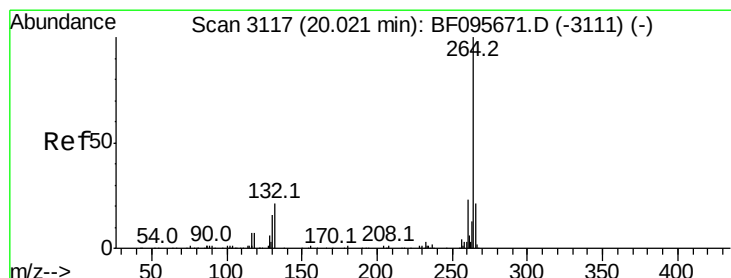
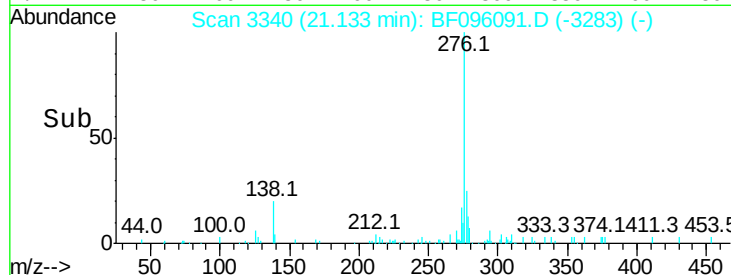
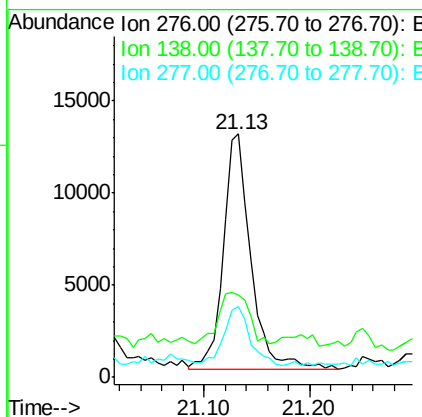
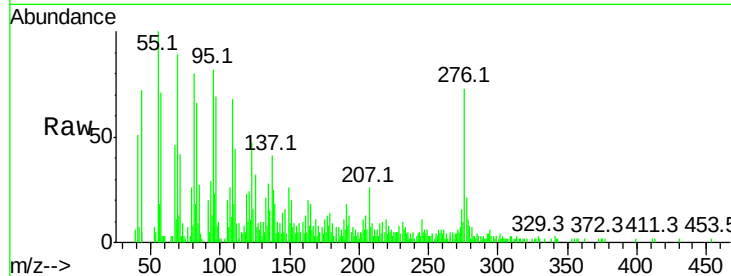
ClientSampleId :

G22-1.5-3

Tot Ion:	276	Resp:	22806
Ion Ratio	Lower	Upper	
276	100		
138	32.8	27.8	41.6
277	24.5	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

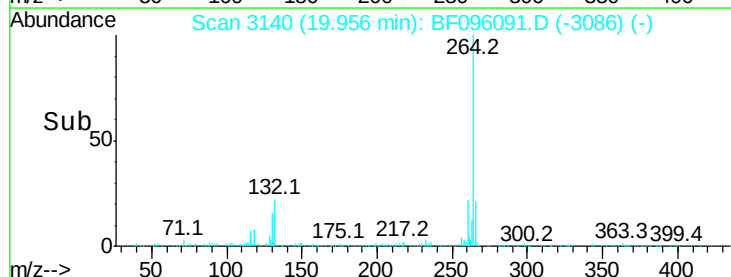
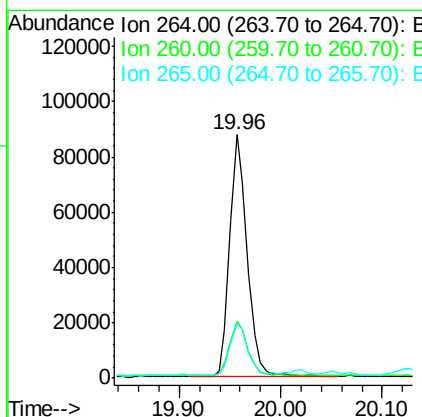
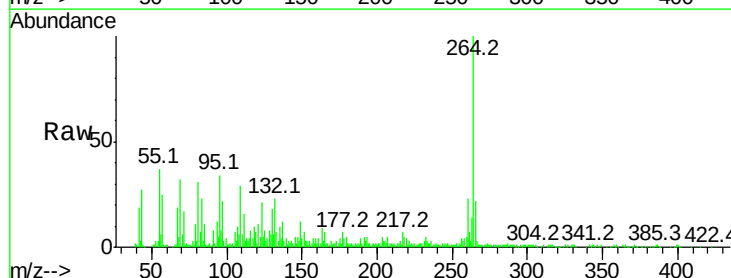
RT: 19.96 min Scan# 3140

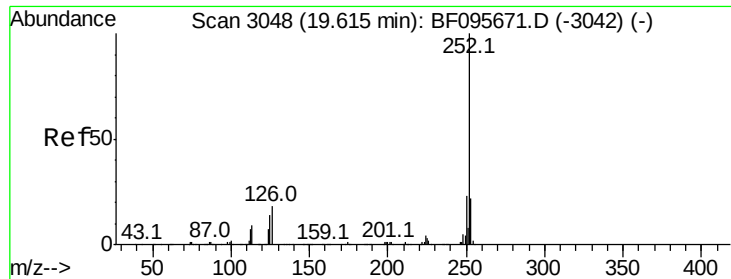
Delta R.T. 0.02 min

Lab File: BF096091.D

Acq: 21 Jun 2017 18:47

Tgt Ion:	264	Resp:	105829
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.5	29.3
265	22.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 9.44 ng m

RT: 19.56 min Scan# 3072

Delta R.T. 0.02 min

Lab File: BF096091.D

Acq: 21 Jun 2017 18:47

Instrument :

BNA_F

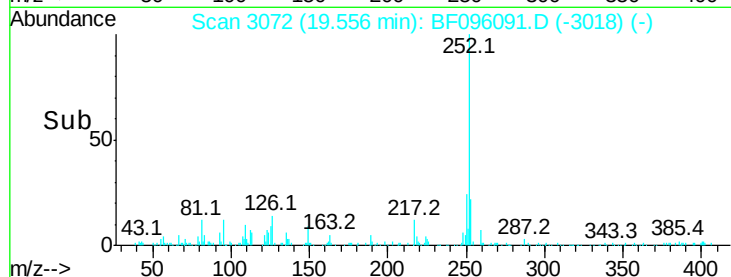
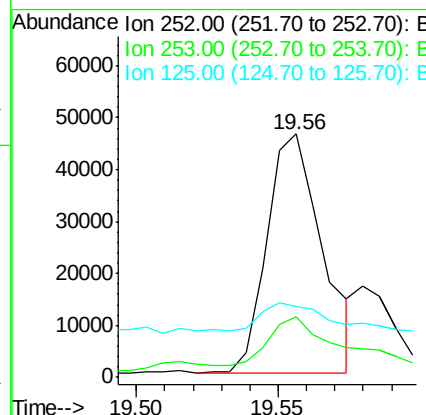
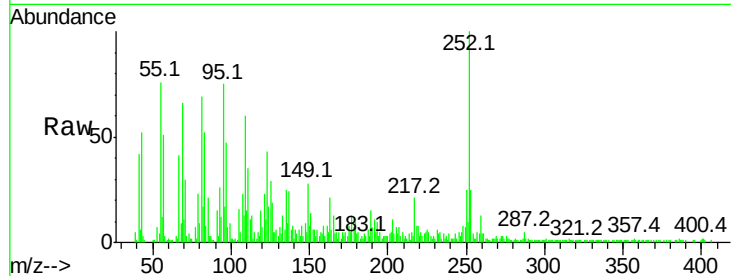
ClientSampleId :

G22-1.5-3

Tot Ion:252	Resp:	62580
Ion Ratio	Lower	Upper
252	100	
253	24.9	18.1 27.1
125	29.1	9.8 14.8#

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#88

Benzo(k)fluoranthene

Concen: 2.59 ng m

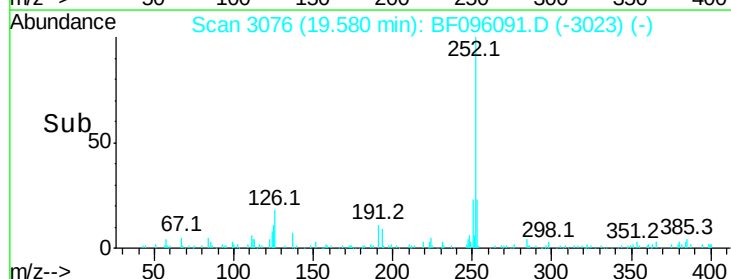
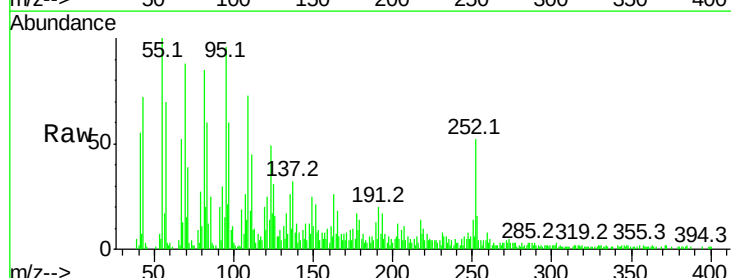
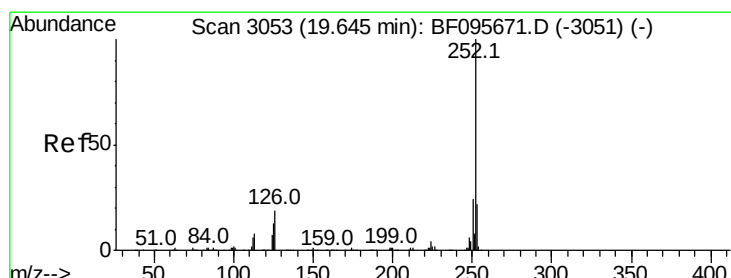
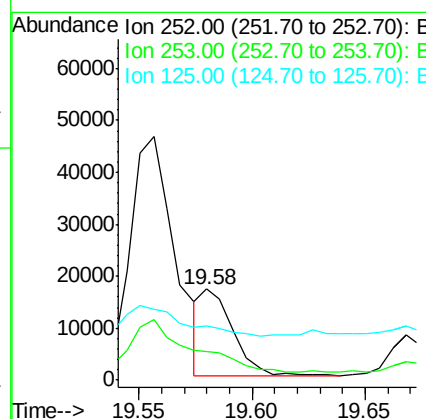
RT: 19.58 min Scan# 3076

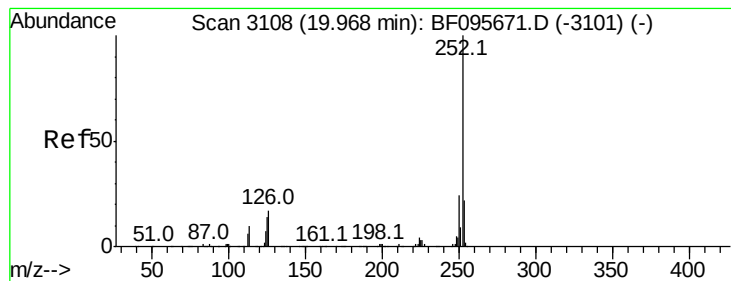
Delta R.T. 0.01 min

Lab File: BF096091.D

Acq: 21 Jun 2017 18:47

Tgt Ion:252	Resp:	16421
Ion Ratio	Lower	Upper
252	100	
253	31.6	18.4 27.6#
125	58.8	13.1 19.7#





#89

Benzo(a)pyrene

Concen: 4.85 ng

RT: 19.91 min Scan# 3132

Delta R.T. 0.02 min

Lab File: BF096091.D

Acq: 21 Jun 2017 18:47

Instrument :

BNA_F

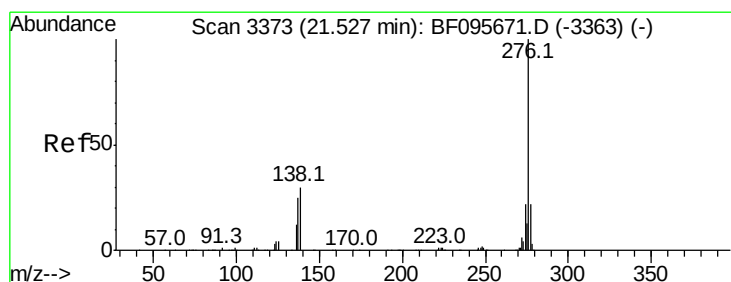
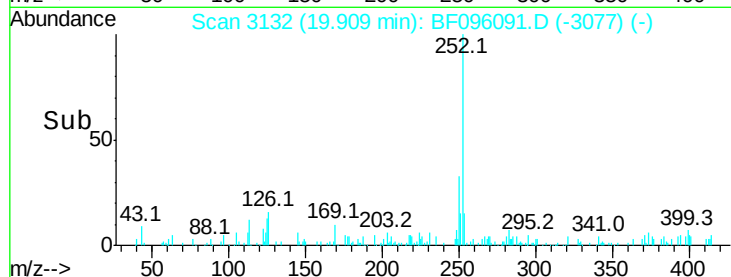
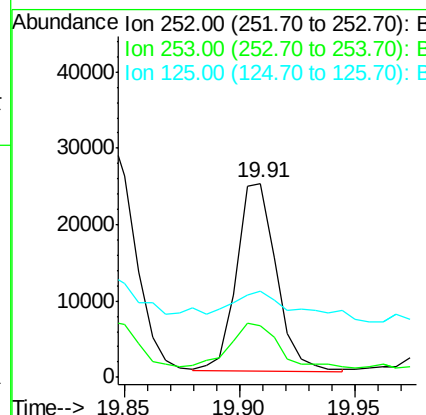
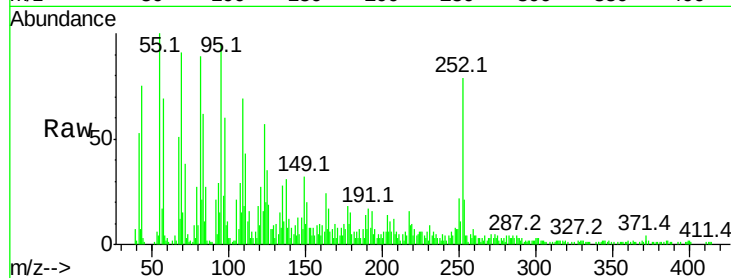
ClientSampleId :

G22-1.5-3

Tot Ion:	252	Resp:	29527
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.5	26.3#
125	44.3	11.0	16.4#

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#91

Benzo(g,h,i)perylene

Concen: 4.04 ng

RT: 21.46 min Scan# 3396

Delta R.T. 0.04 min

Lab File: BF096091.D

Acq: 21 Jun 2017 18:47

Tgt Ion:	276	Resp:	21259
Ion Ratio	Lower	Upper	
276	100		
277	28.1	18.6	28.0#
138	38.5	25.4	38.0#

