

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062317\
 Data File : BF096170.D
 Acq On : 23 Jun 2017 20:58
 Operator : SJ/MA
 Sample : I3775-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHD-SB-1020304-0-11

Manual Integrations
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Quant Time: Jun 24 00:48:05 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	7.26	152	73484	20.00	ng	-0.04
21) Naphthalene-d8	9.29	136	303864	20.00	ng	-0.04
38) Acenaphthene-d10	12.11	164	137090	20.00	ng	-0.04
63) Phenanthrene-d10	14.50	188	232495	20.00	ng	-0.04
75) Chrysene-d12	18.25	240	149540	20.00	ng	-0.02
86) Perylene-d12	19.92	264	149732	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	448305	97.21	ng	-0.04
7) Phenol-d6	6.83	99	560300	101.49	ng	-0.04
23) Nitrobenzene-d5	8.18	82	322103	65.83	ng	-0.04
41) 2,4,6-Tribromophenol	13.42	330	113686	93.73	ng	-0.04
44) 2-Fluorobiphenyl	11.07	172	625043	63.45	ng	-0.04
78) Terphenyl-d14	16.90	244	441471	73.27	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	11.89	152	35597	2.36	ng	96
49) Dimethylphthalate	11.77	163	160219	15.39	ng	99
57) Fluorene	13.01	166	40010	3.75	ng	# 99
70) Phenanthrene	14.54	178	583193	43.47	ng	97
71) Anthracene	14.63	178	190626	13.61	ng	96
74) Fluoranthene	16.34	202	969043	72.98	ng	99
77) Pyrene	16.65	202	753073	67.49	ng	98
80) Benzo(a)anthracene	18.24	228	345738	39.77	ng	98
82) Chrysene	18.28	228	290185	33.40	ng	98
83) Bis(2-ethylhexyl)phthalate	18.32	149	16006	2.33	ng	94
85) Indeno(1,2,3-cd)pyrene	21.07	276	158223	21.28	ng	# 89
87) Benzo(b)fluoranthene	19.52	252	326291m	34.80	ng	
88) Benzo(k)fluoranthene	19.54	252	129014m	14.40	ng	
89) Benzo(a)pyrene	19.87	252	263722	30.60	ng	97
90) Dibenzo(a,h)anthracene	21.07	278	44865	6.14	ng	# 79
91) Benzo(g,h,i)perylene	21.40	276	138125	18.53	ng	97

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

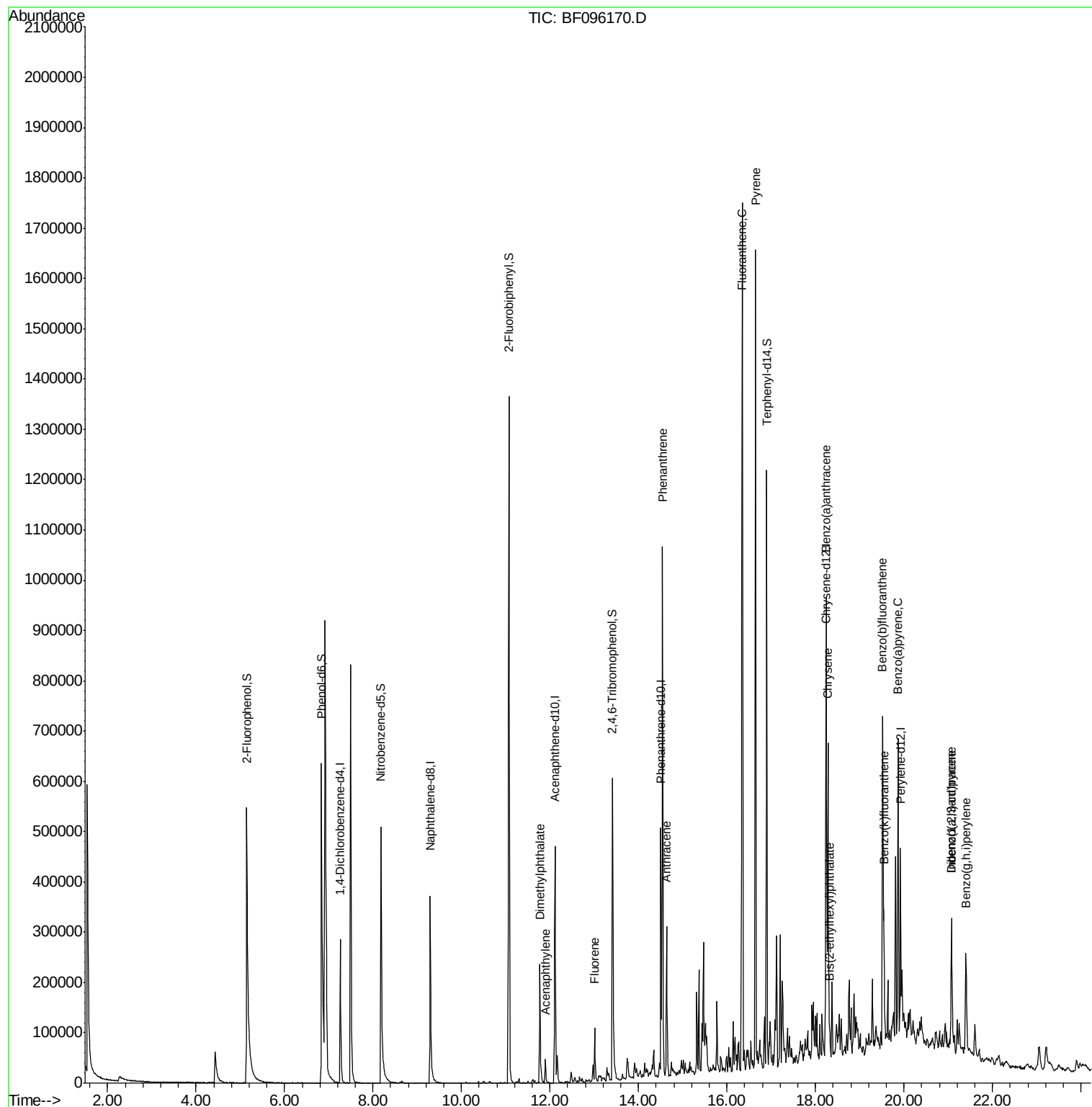
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062317\
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Misc :
ALS Vial : 15 Sample Multiplier: 1

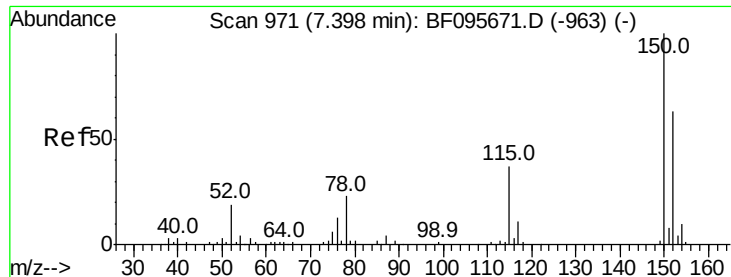
Instrument :
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#1

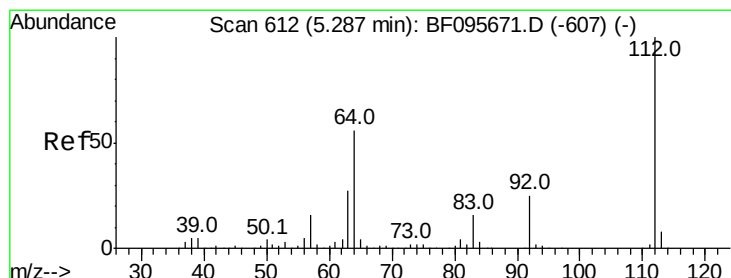
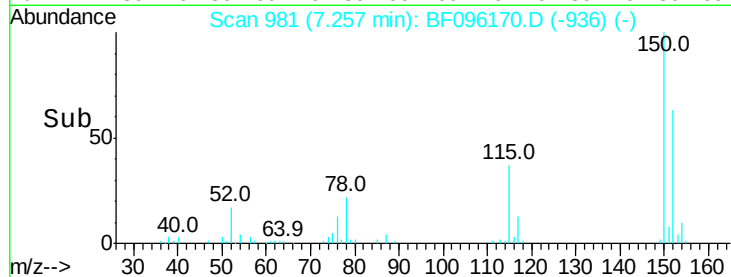
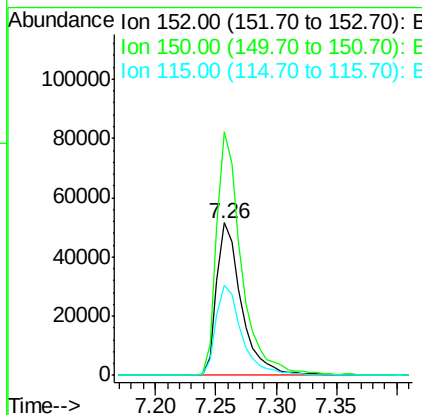
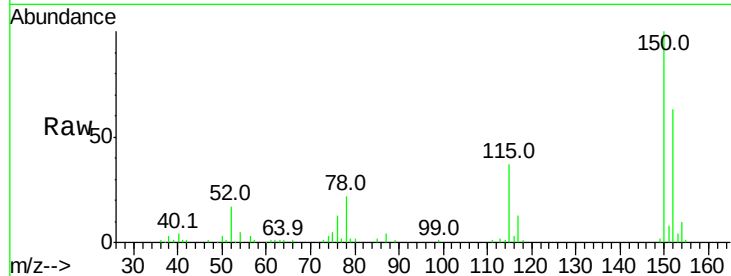
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 981
Delta R.T. -0.04 min
Lab File: BF096170.D
Acq: 23 Jun 2017 20:58

Instrument :
BNA_F
ClientSampleId :
GHD-SB-1020304-0-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.2	189.2
115	59.2	52.2	78.2

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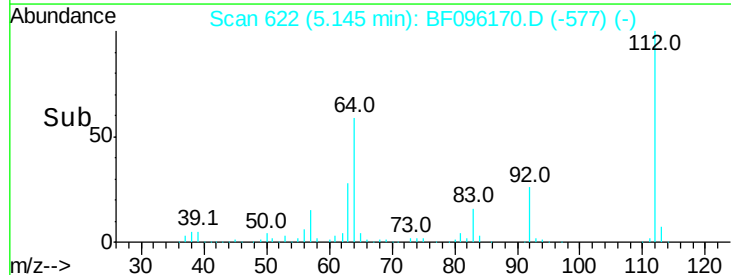
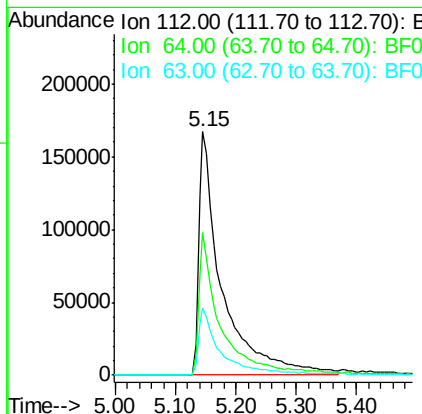
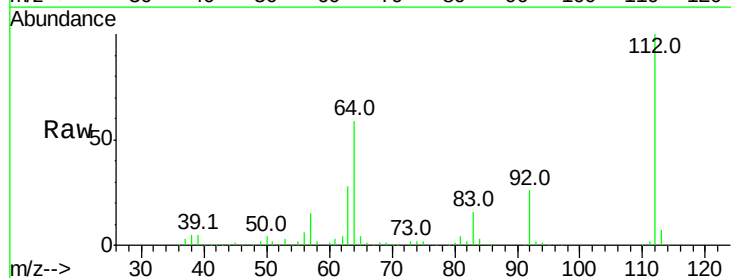
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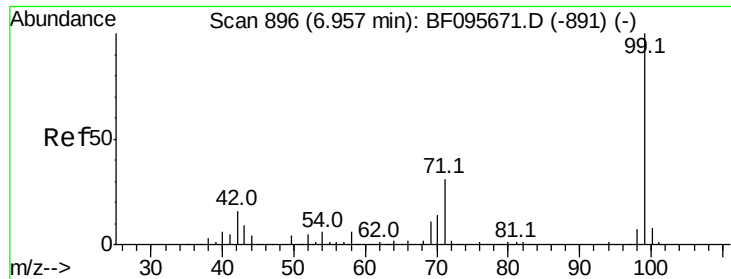


#5

2-Fluorophenol
Concen: 97.21 ng
RT: 5.15 min Scan# 622
Delta R.T. -0.04 min
Lab File: BF096170.D
Acq: 23 Jun 2017 20:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	46.0	69.0
63	27.6	23.4	35.0





#7

Phenol-d6

Concen: 101.49 ng

RT: 6.83 min Scan# 909

Delta R.T. -0.04 min

Lab File: BF096170.D

Acq: 23 Jun 2017 20:58

Instrument :

BNA_F

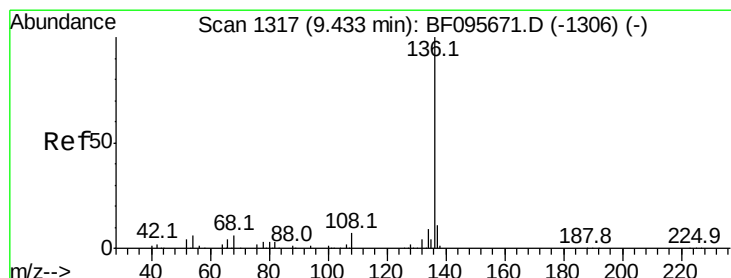
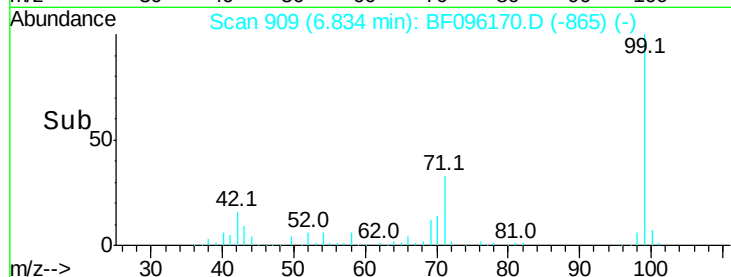
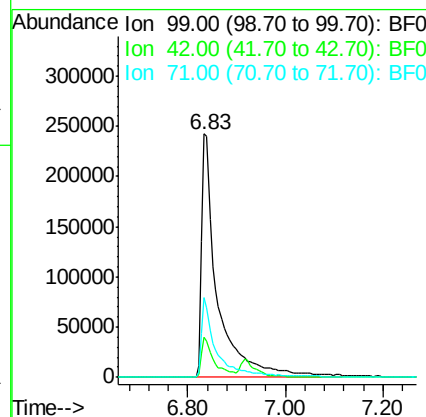
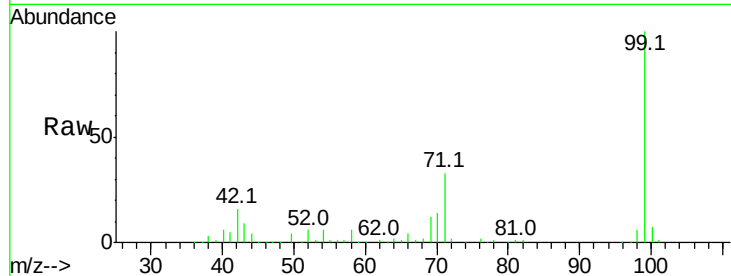
ClientSampleId :

GHD-SB-1020304-0-11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		560300		
42	16.5	13.5	20.3		
71	32.7	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

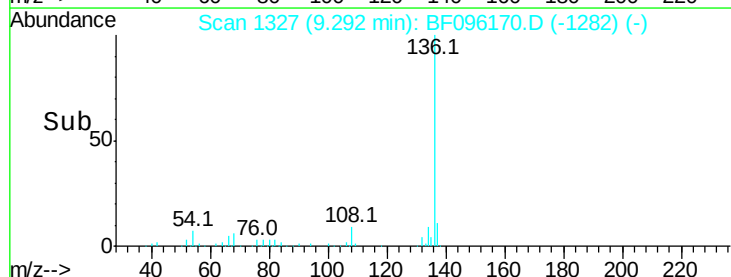
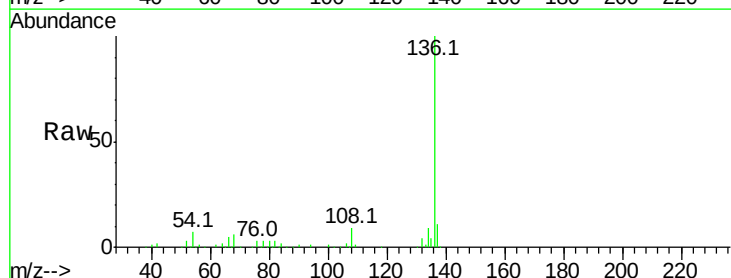
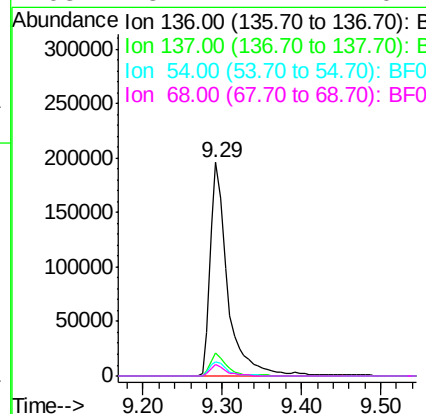
RT: 9.29 min Scan# 1327

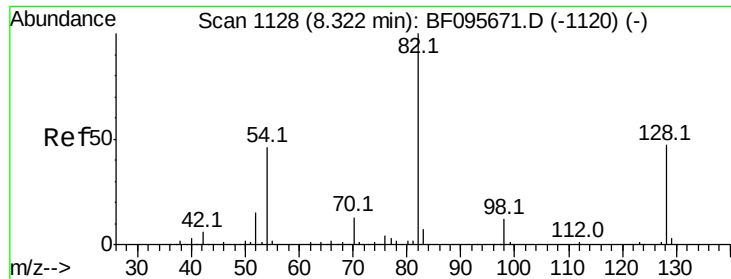
Delta R.T. -0.04 min

Lab File: BF096170.D

Acq: 23 Jun 2017 20:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		303864		
137	10.9	8.5	12.7		
54	6.9	4.9	7.3		
68	5.7	4.1	6.1		





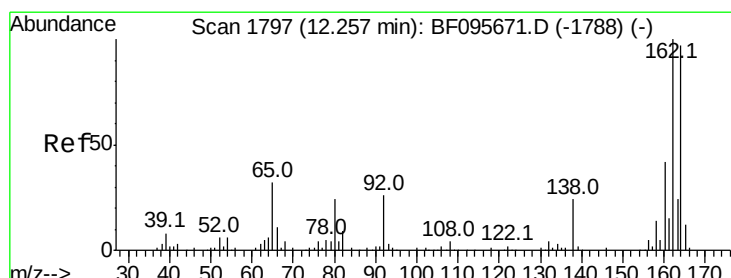
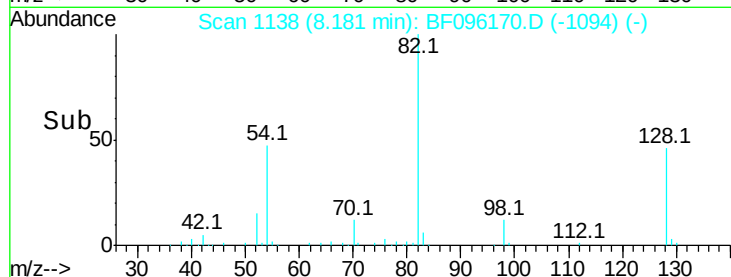
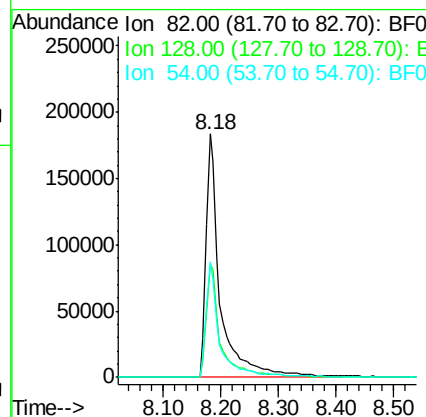
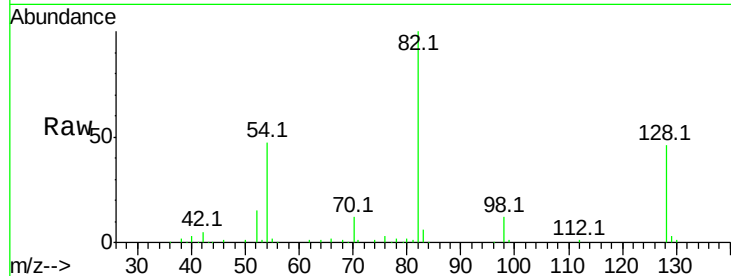
#23
 Nitrobenzene-d5
 Concen: 65.83 ng
 RT: 8.18 min Scan# 1138
 Delta R.T. -0.04 min
 Lab File: BF096170.D
 Acq: 23 Jun 2017 20:58

Instrument :
 BNA_F
 ClientSampleId :
 GHD-SB-1020304-0-11

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.0	51.0
54	47.4	42.2	63.2

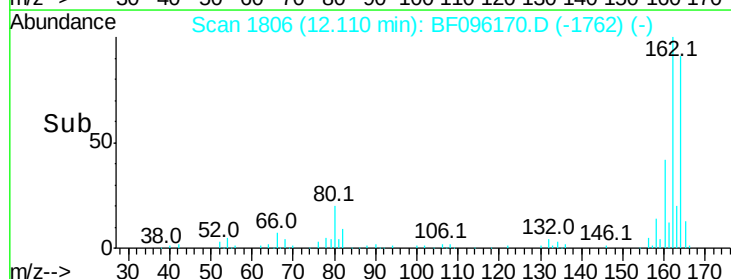
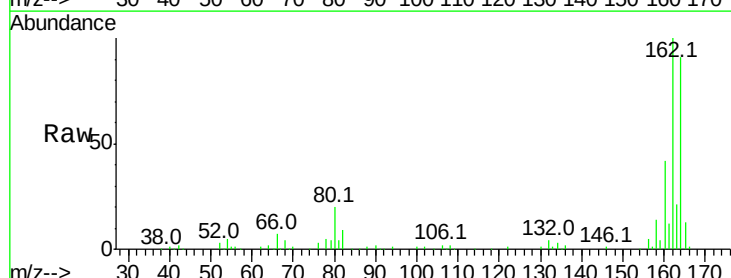
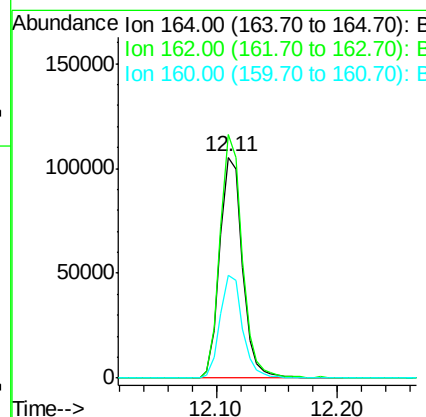
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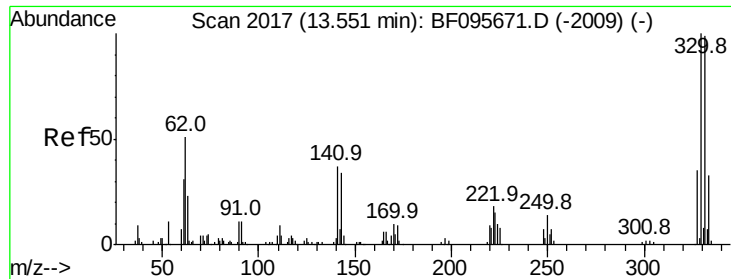
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.11 min Scan# 1806
 Delta R.T. -0.04 min
 Lab File: BF096170.D
 Acq: 23 Jun 2017 20:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	110.1	82.6	123.8
160	46.7	36.2	54.2





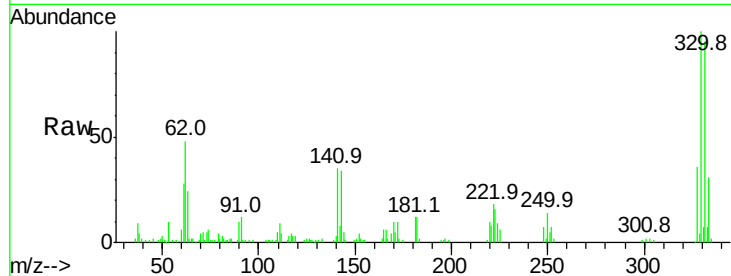
#41
 2,4,6-Tribromophenol
 Concen: 93.73 ng
 RT: 13.42 min Scan# 2028
 Delta R.T. -0.04 min
 Lab File: BF096170.D
 Acq: 23 Jun 2017 20:58

Instrument :
 BNA_F
 ClientSampleId :
 GHD-SB-1020304-0-11

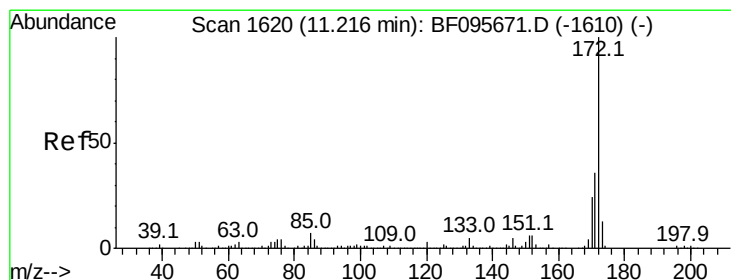
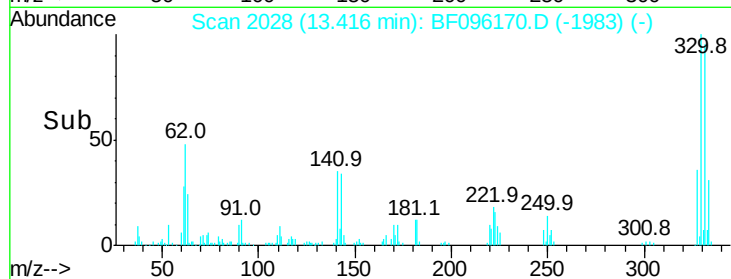
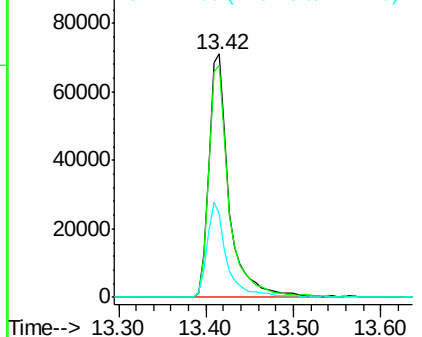
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	76.6	115.0	
141	38.2	31.4	47.2	

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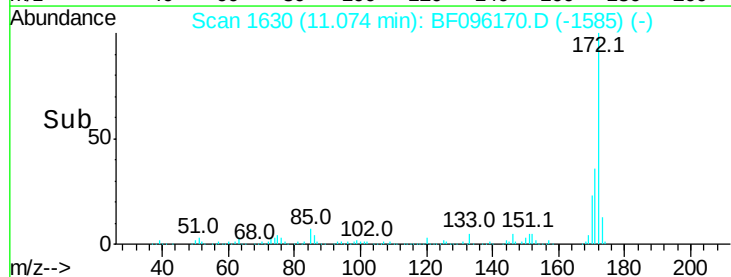
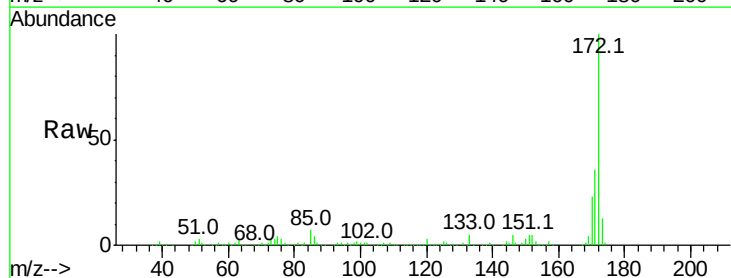
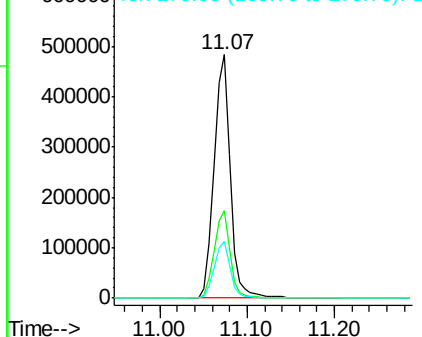
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

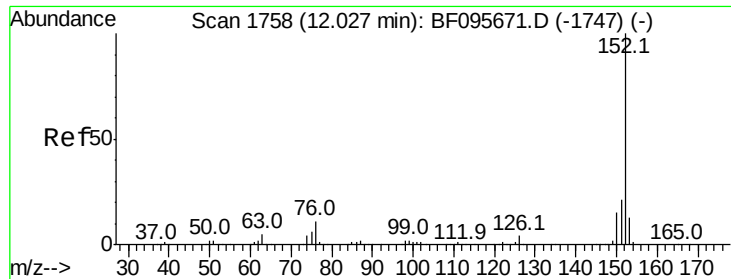


#44
 2-Fluorobiphenyl
 Concen: 63.45 ng
 RT: 11.07 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BF096170.D
 Acq: 23 Jun 2017 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	29.6	44.4	
170	23.4	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: 2.36 ng

RT: 11.89 min Scan# 1769

Delta R.T. -0.03 min

Lab File: BF096170.D

Acq: 23 Jun 2017 20:58

Instrument :

BNA_F

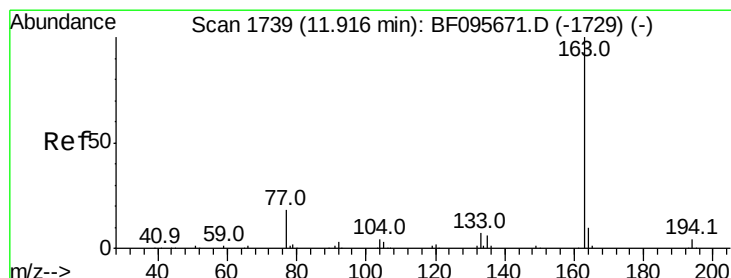
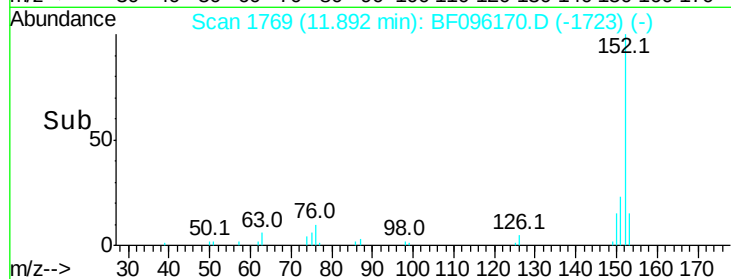
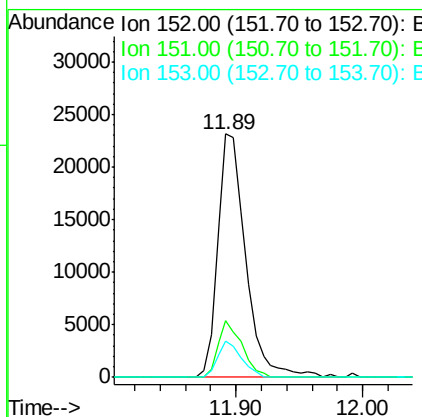
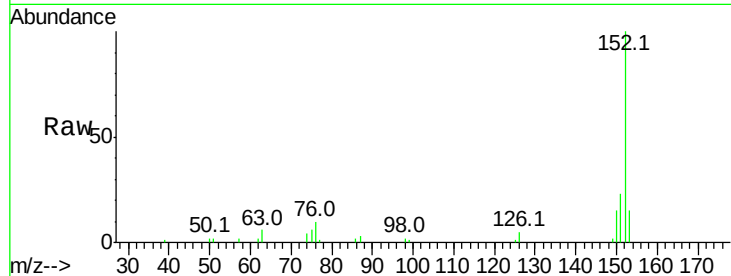
ClientSampleId :

GHD-SB-1020304-0-11

Tot Ion:	152	Resp:	35597
Ion Ratio	Lower	Upper	
152	100		
151	23.3	16.8	25.2
153	14.9	10.8	16.2

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#49

Dimethylphthalate

Concen: 15.39 ng

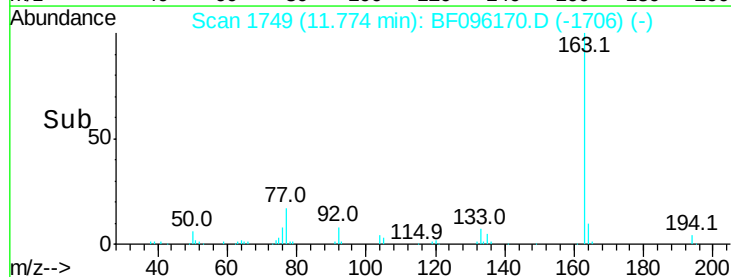
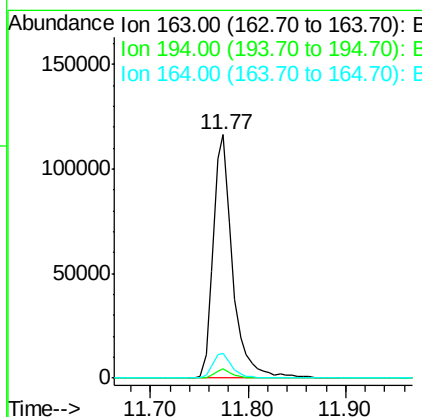
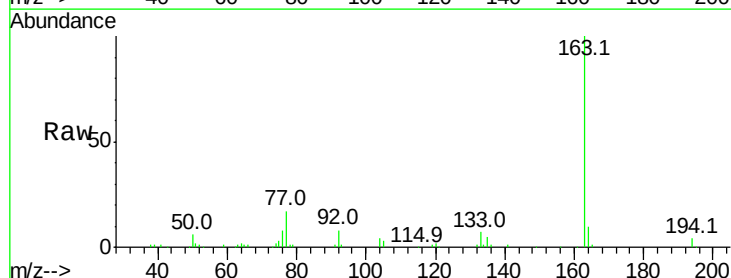
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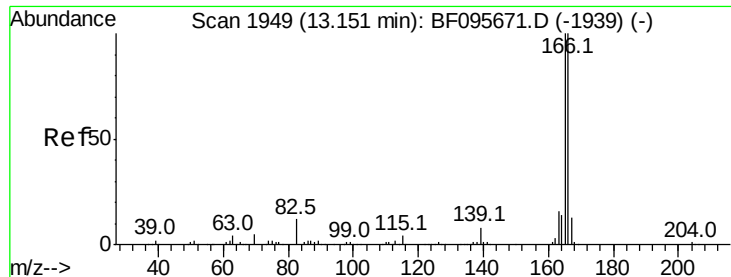
Delta R.T. -0.05 min

Lab File: BF096170.D

Acq: 23 Jun 2017 20:58

Tgt Ion:	163	Resp:	160219
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.6	4.0
164	10.0	8.4	12.6





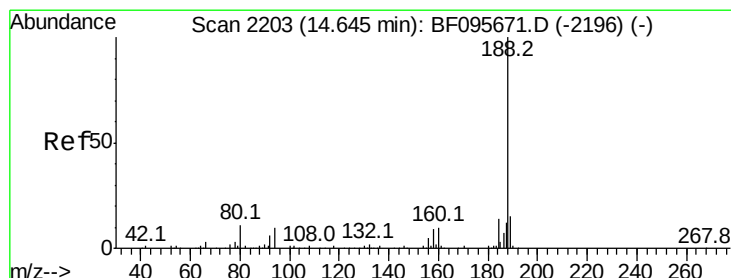
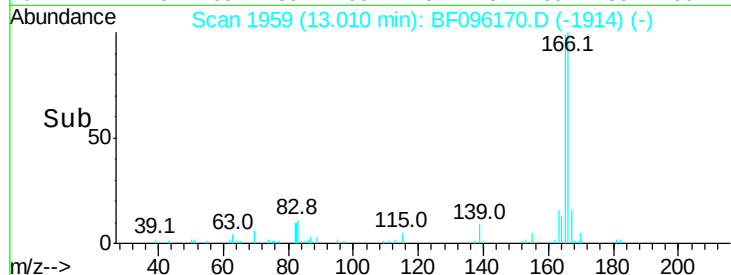
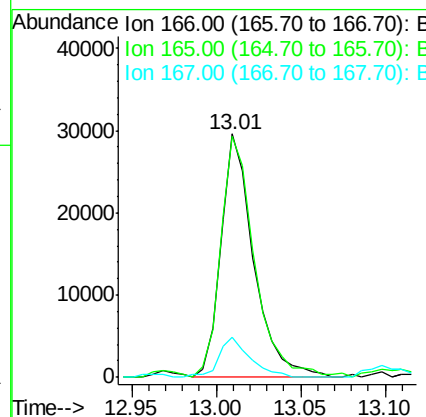
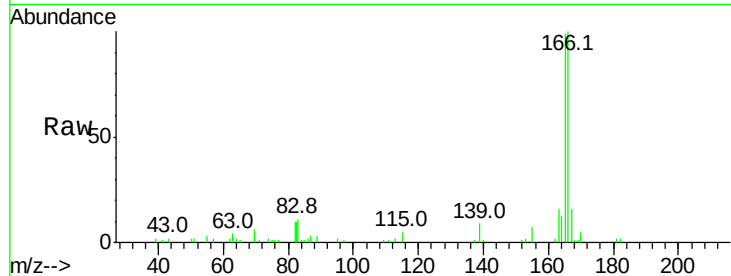
#57
Fluorene
 Concen: 3.75 ng
 RT: 13.01 min Scan# 1959
 Delta R.T. -0.04 min
 Lab File: BF096170.D
 Acq: 23 Jun 2017 20:58

Instrument :
 BNA_F
 ClientSampleId :
 GHD-SB-1020304-0-11

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.8	118.2
167	16.4	10.6	16.0#

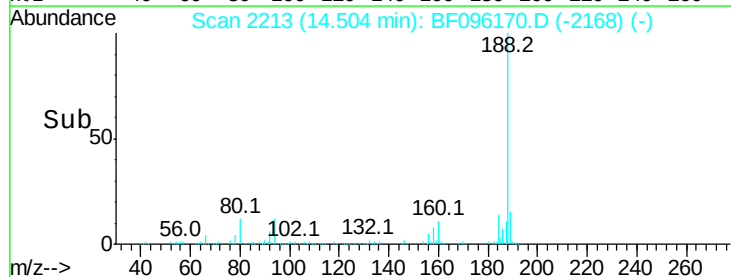
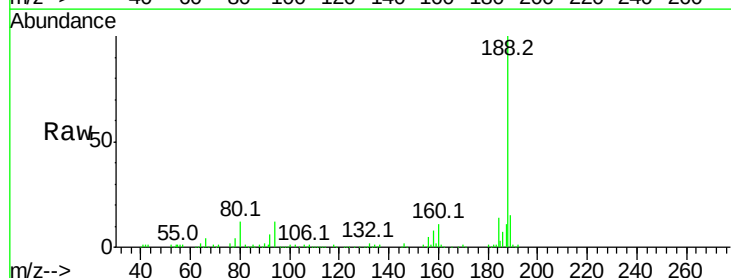
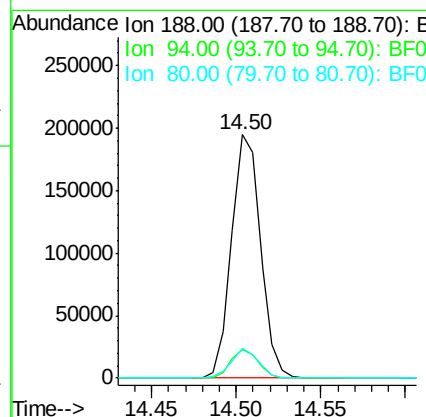
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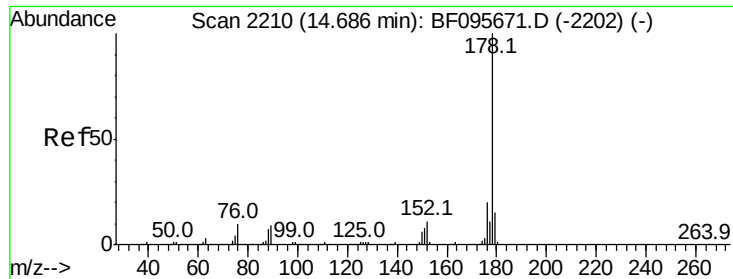
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.50 min Scan# 2213
 Delta R.T. -0.04 min
 Lab File: BF096170.D
 Acq: 23 Jun 2017 20:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	9.4	14.2
80	12.1	10.2	15.2





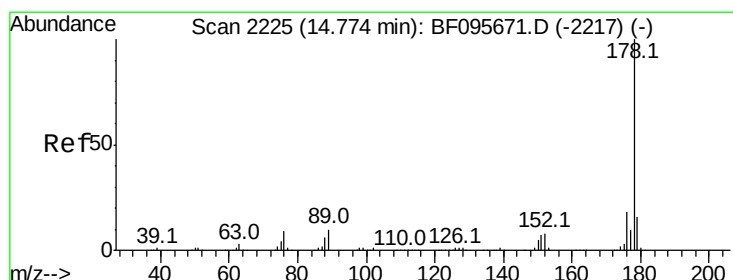
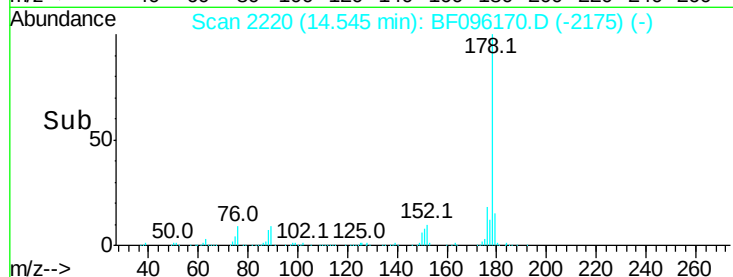
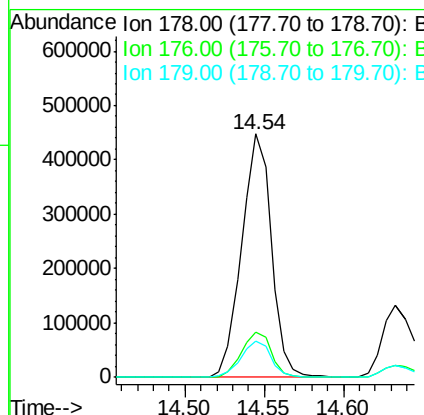
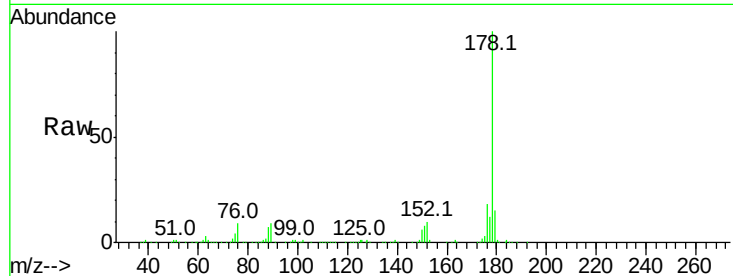
#70
Phenanthrene
Concen: 43.47 ng
RT: 14.54 min Scan# 2220
Delta R.T. -0.04 min
Lab File: BF096170.D
Acq: 23 Jun 2017 20:58

Instrument :
BNA_F
ClientSampleId :
GHD-SB-1020304-0-11

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.2	24.4
179	14.7	12.6	19.0

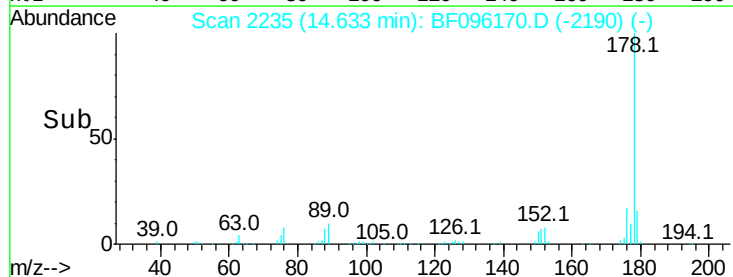
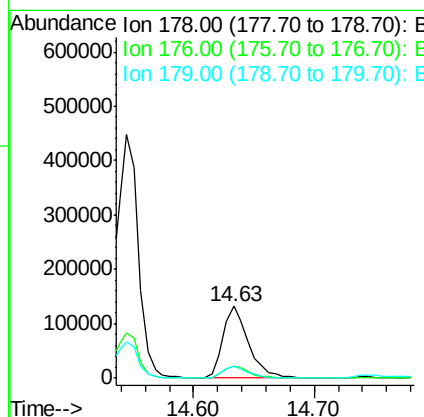
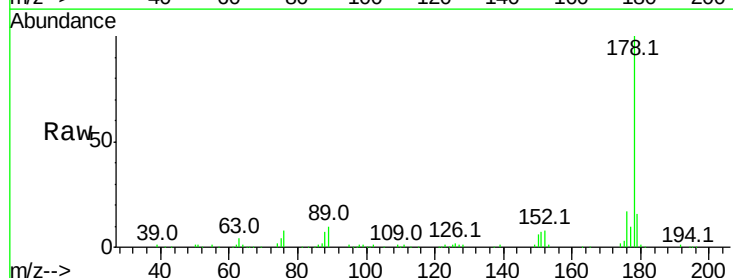
Manual Integrations
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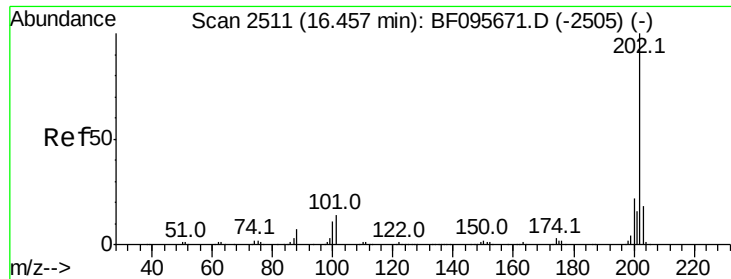
mohammad
6/28/2017 1:11:31 PM



#71
Anthracene
Concen: 13.61 ng
RT: 14.63 min Scan# 2235
Delta R.T. -0.04 min
Lab File: BF096170.D
Acq: 23 Jun 2017 20:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.6	15.8	23.8
179	16.0	12.7	19.1





#74

Fluoranthene

Concen: 72.98 ng

RT: 16.34 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF096170.D

Acq: 23 Jun 2017 20:58

Instrument :

BNA_F

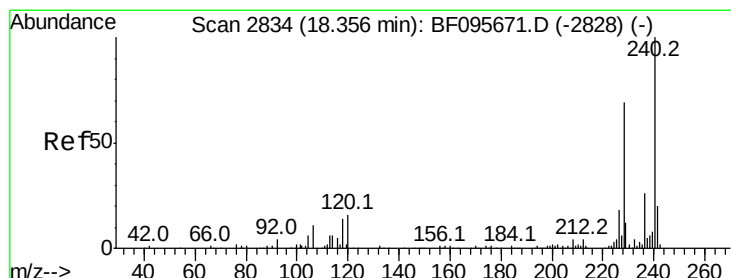
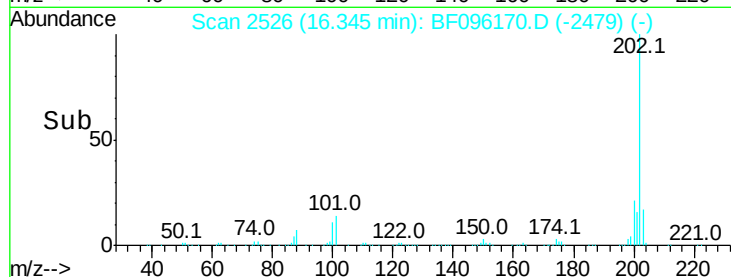
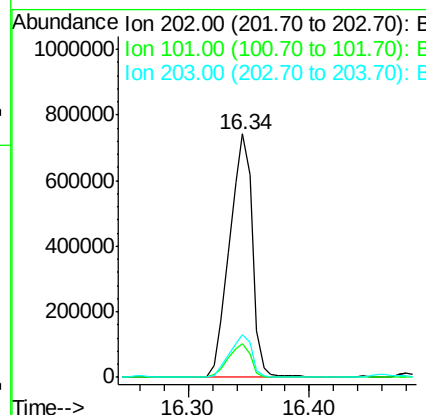
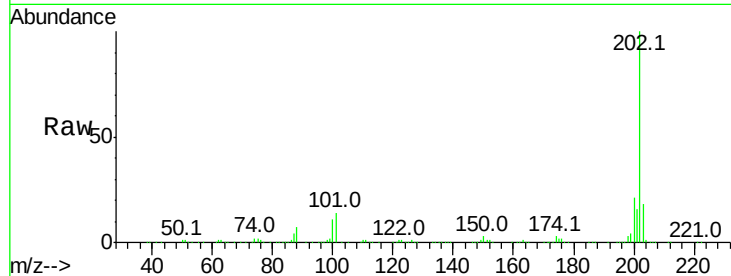
ClientSampleId :

GHD-SB-1020304-0-11

Tot Ion	Ratio	Resp	Lower	Upper
202	100	969043		
101	13.9	0.0	33.2	
203	17.5	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

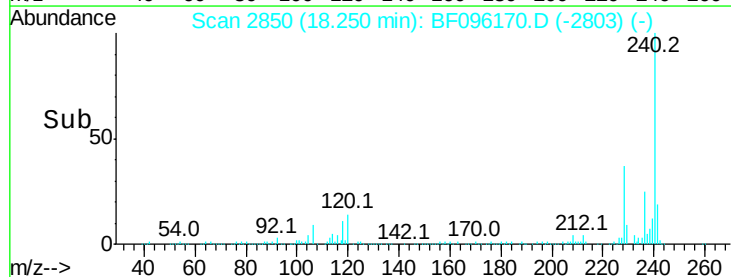
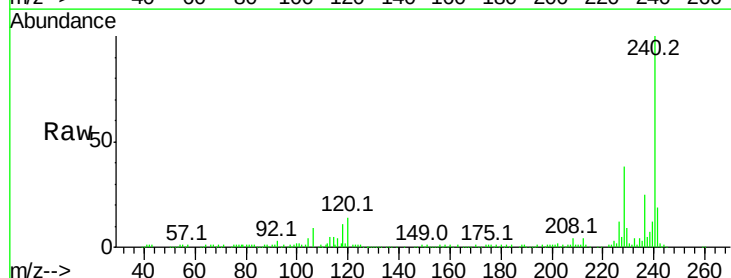
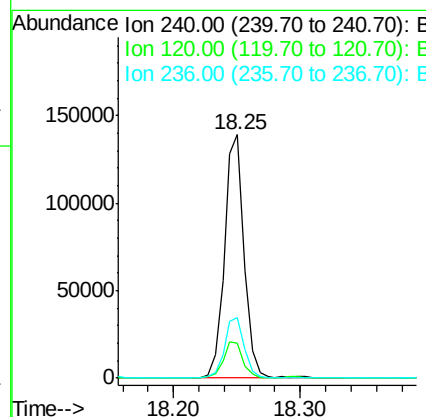
RT: 18.25 min Scan# 2850

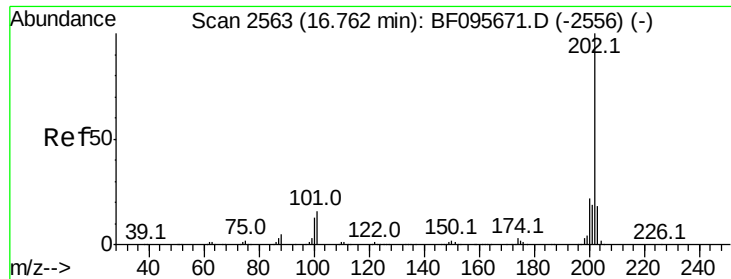
Delta R.T. -0.02 min

Lab File: BF096170.D

Acq: 23 Jun 2017 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	149540		
120	14.3	5.8	8.8#	
236	25.0	20.5	30.7	





#77

Pvrene

Concen: 67.49 ng

RT: 16.65 min Scan# 2578

Delta R.T. -0.02 min

Lab File: BF096170.D

Acq: 23 Jun 2017 20:58

Instrument :

BNA_F

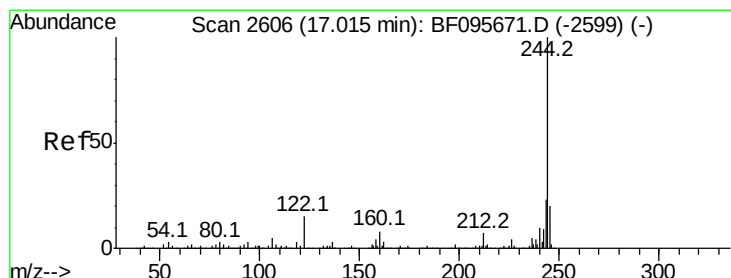
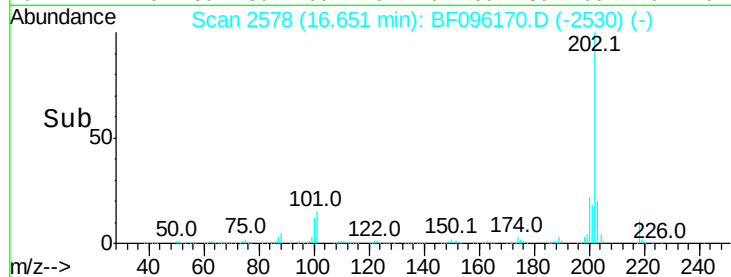
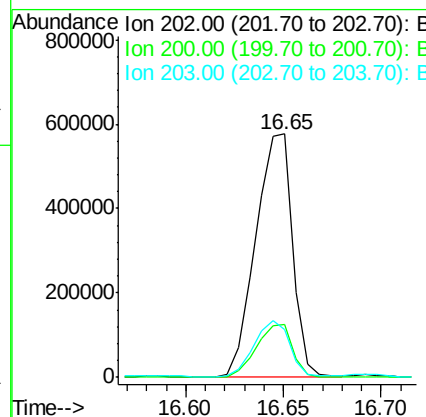
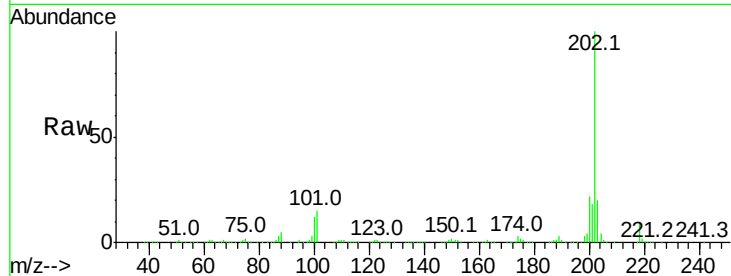
ClientSampleId :

GHD-SB-1020304-0-11

Tot Ion:	202	Resp:	753073
Ion Ratio		Lower	Upper
202	100		
200	21.9	17.6	26.4
203	19.6	14.4	21.6

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#78

Terphenyl-d14

Concen: 73.27 ng

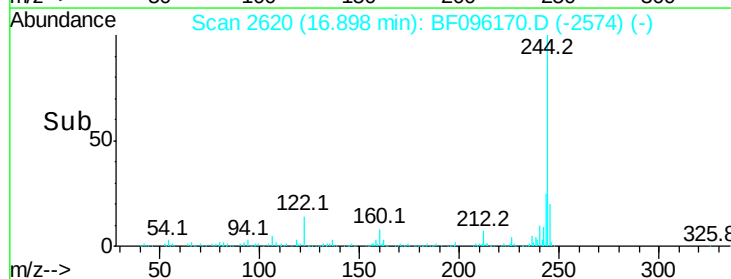
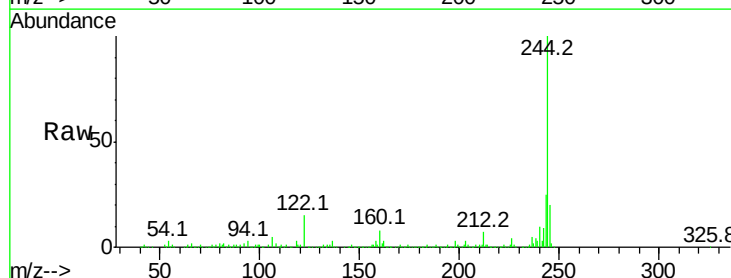
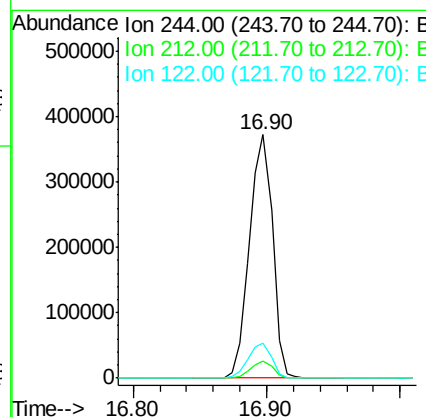
RT: 16.90 min Scan# 2620

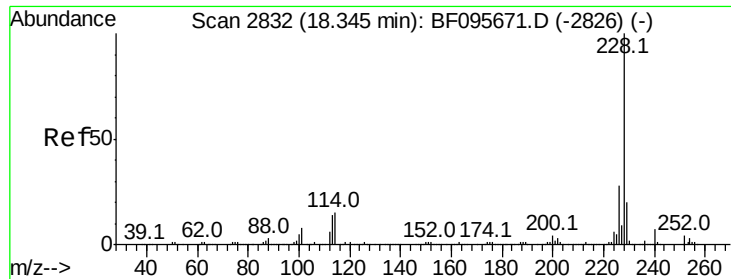
Delta R.T. -0.03 min

Lab File: BF096170.D

Acq: 23 Jun 2017 20:58

Tgt Ion:	244	Resp:	441471
Ion Ratio		Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.5	10.3	15.5





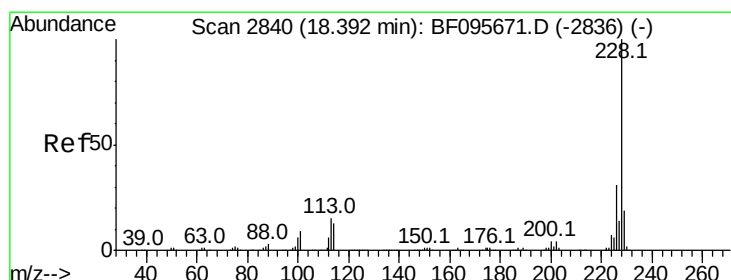
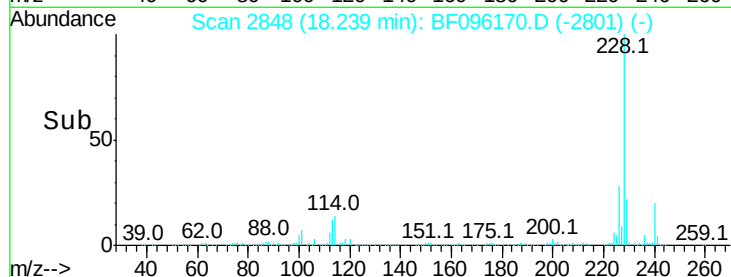
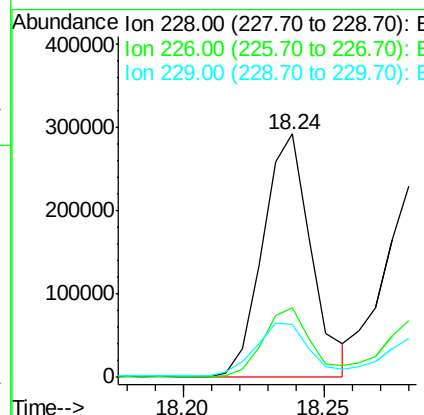
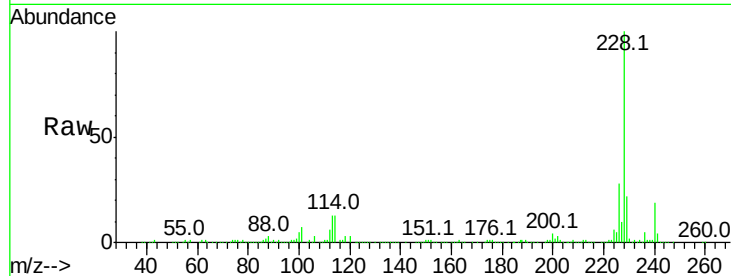
#80
Benzo(a)anthracene
Concen: 39.77 ng
RT: 18.24 min Scan# 2848
Delta R.T. -0.02 min
Lab File: BF096170.D
Acq: 23 Jun 2017 20:58

Instrument :
BNA_F
ClientSampleId :
GHD-SB-1020304-0-11

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	21.7	16.3	24.5

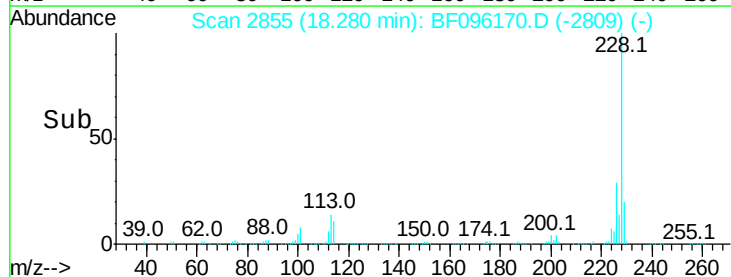
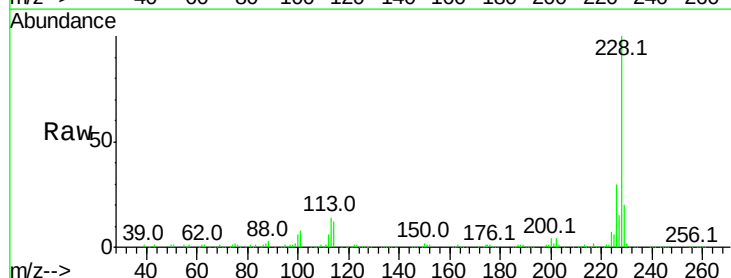
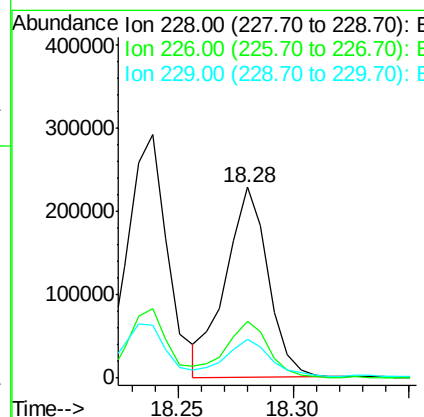
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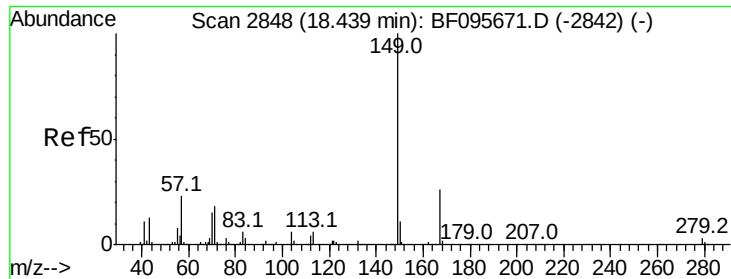
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#82
Chrysene
Concen: 33.40 ng
RT: 18.28 min Scan# 2855
Delta R.T. -0.03 min
Lab File: BF096170.D
Acq: 23 Jun 2017 20:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.9	37.3
229	20.3	15.8	23.6





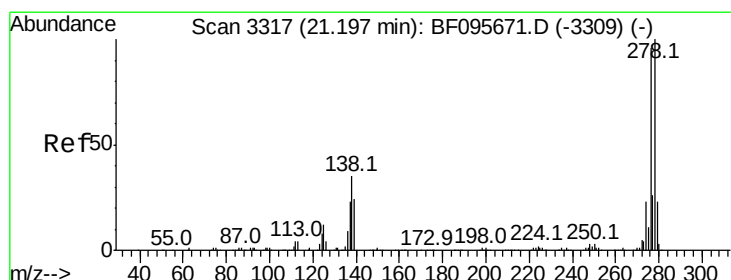
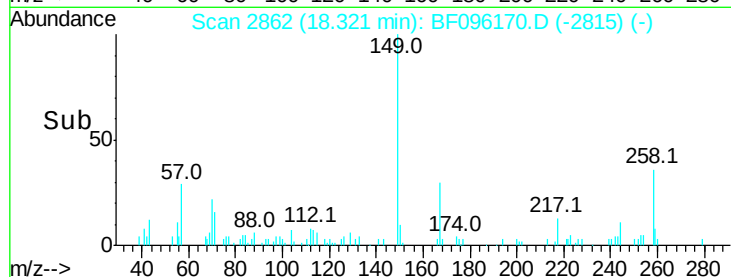
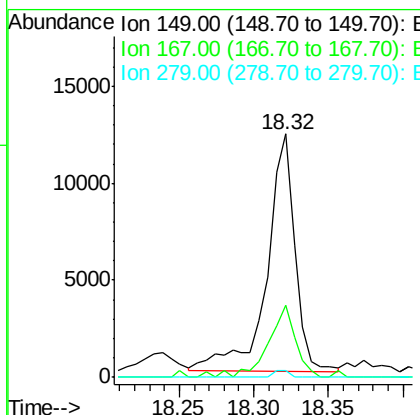
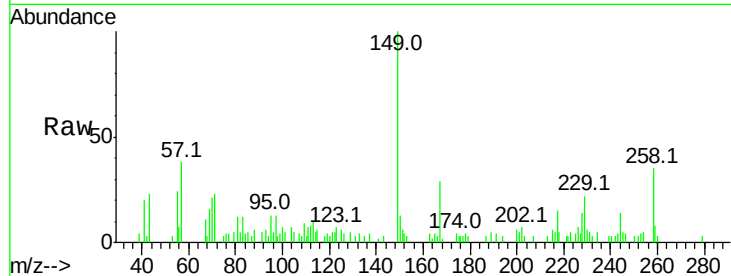
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.33 ng
 RT: 18.32 min Scan# 2862
 Delta R.T. -0.02 min
 Lab File: BF096170.D
 Acq: 23 Jun 2017 20:58

Instrument :
 BNA_F
 ClientSampleId :
 GHD-SB-1020304-0-11

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.4	21.0	31.4
279	2.8	1.9	2.9

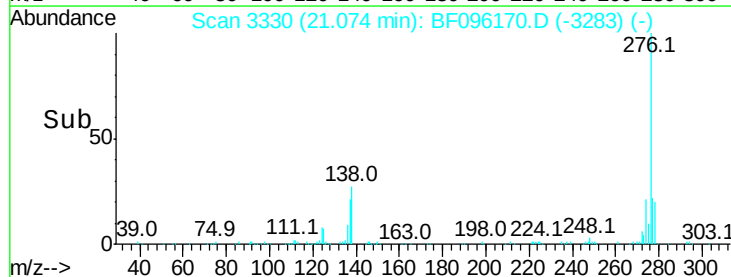
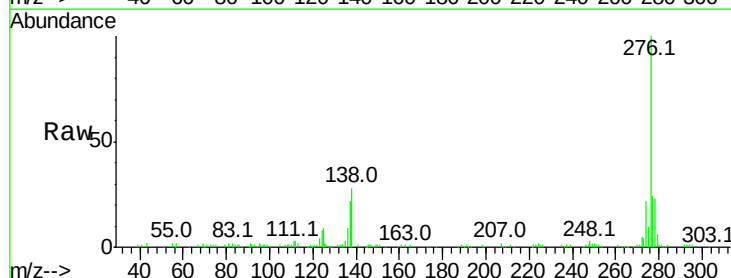
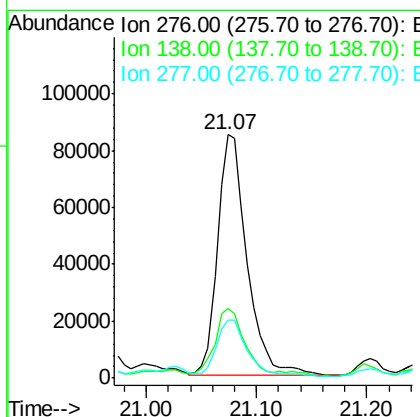
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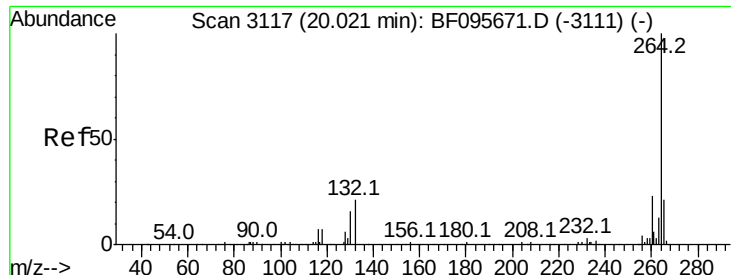
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 21.28 ng
 RT: 21.07 min Scan# 3330
 Delta R.T. -0.02 min
 Lab File: BF096170.D
 Acq: 23 Jun 2017 20:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	27.8	41.6#
277	22.2	20.2	30.4





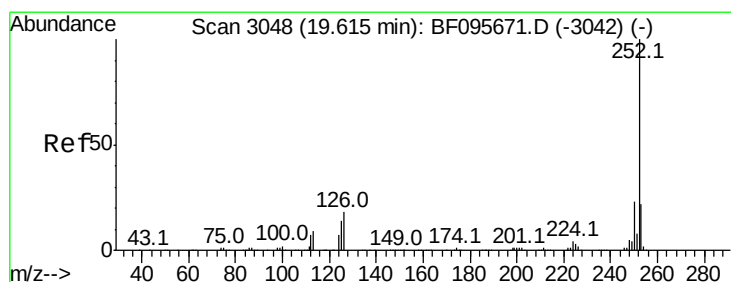
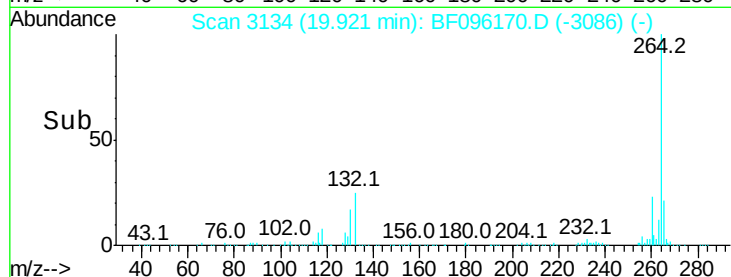
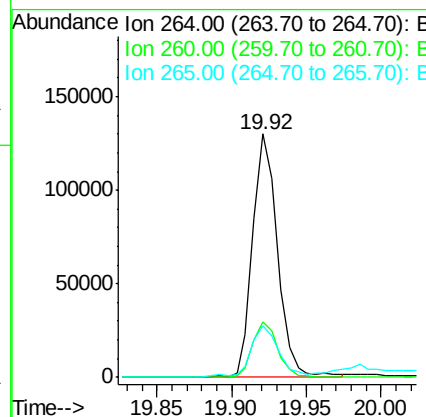
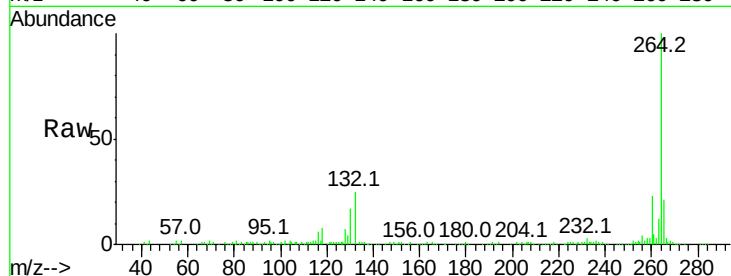
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.92 min Scan# 3134
Delta R.T. -0.02 min
Lab File: BF096170.D
Acq: 23 Jun 2017 20:58

Instrument :
BNA_F
ClientSampleId :
GHD-SB-1020304-0-11

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	21.4	17.2	25.8

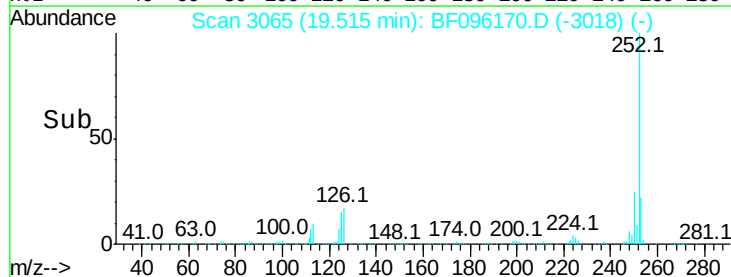
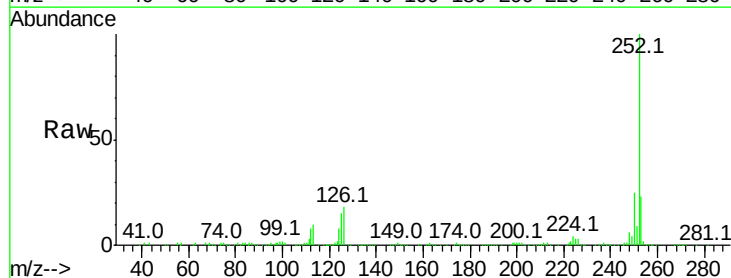
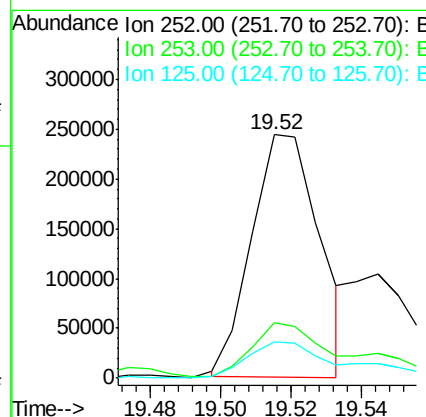
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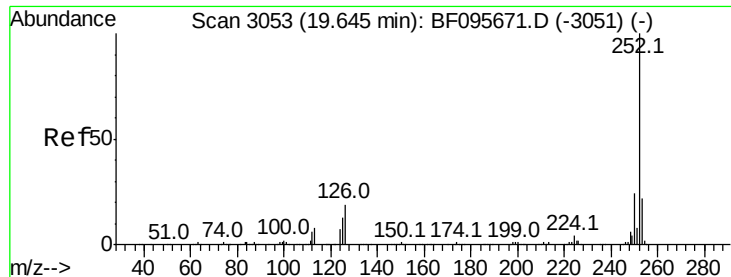
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#87
Benzo(b)fluoranthene
Concen: 34.80 ng m
RT: 19.52 min Scan# 3065
Delta R.T. -0.02 min
Lab File: BF096170.D
Acq: 23 Jun 2017 20:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	15.1	9.8	14.8





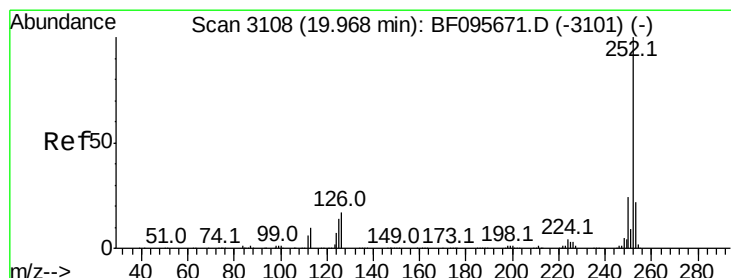
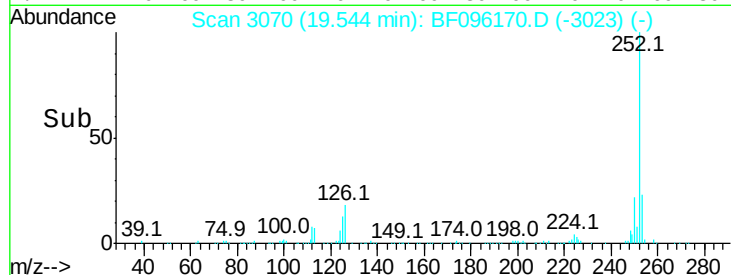
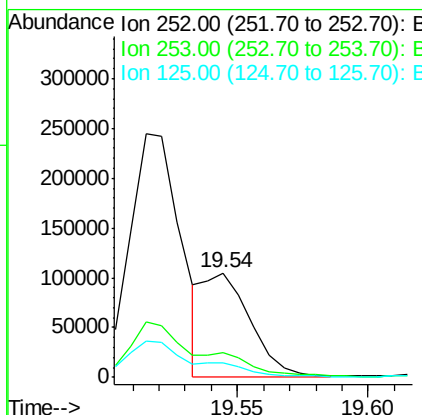
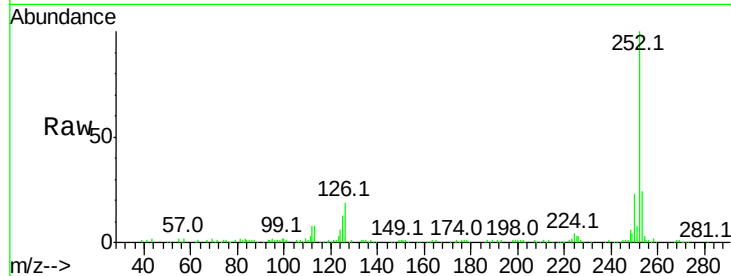
#88
Benzo(k)fluoranthene
Concen: 14.40 ng
RT: 19.54 min Scan# 3070
Delta R.T. -0.02 min
Lab File: BF096170.D
Acq: 23 Jun 2017 20:58

Instrument :
BNA_F
ClientSampleId :
GHD-SB-1020304-0-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	13.3	13.1	19.7

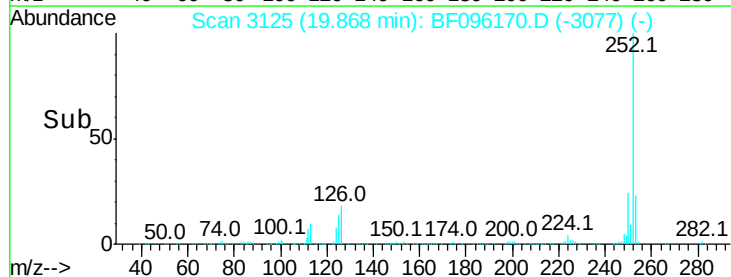
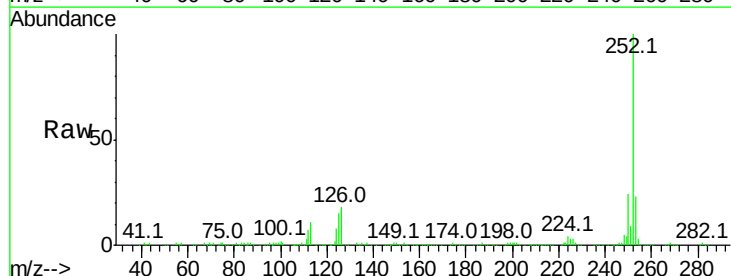
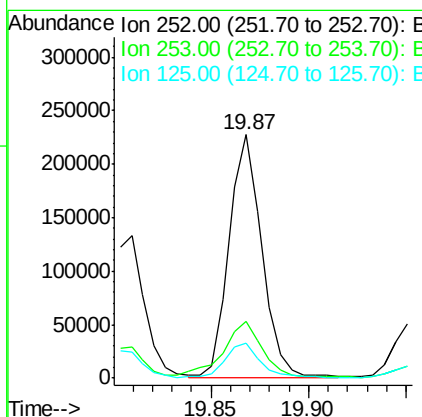
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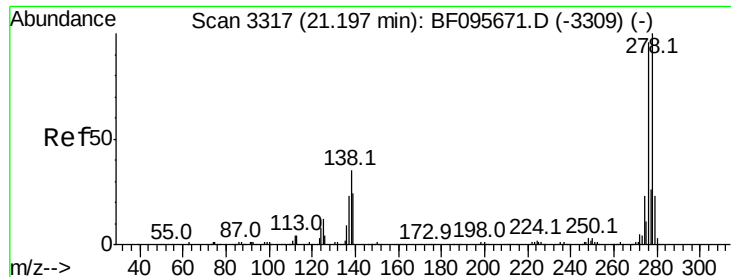
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#89
Benzo(a)pyrene
Concen: 30.60 ng
RT: 19.87 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BF096170.D
Acq: 23 Jun 2017 20:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	14.5	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 6.14 ng

RT: 21.07 min Scan# 3329

Delta R.T. -0.03 min

Lab File: BF096170.D

Acq: 23 Jun 2017 20:58

Instrument :

BNA_F

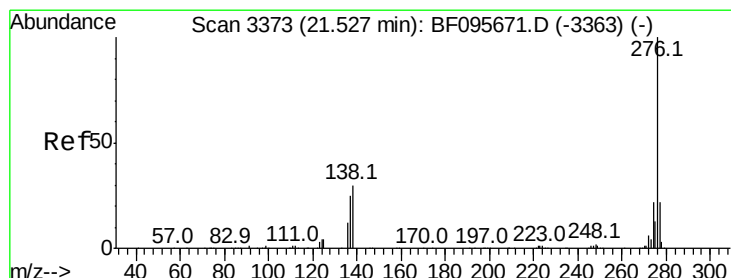
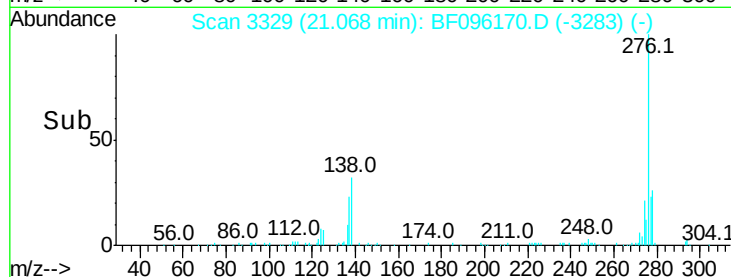
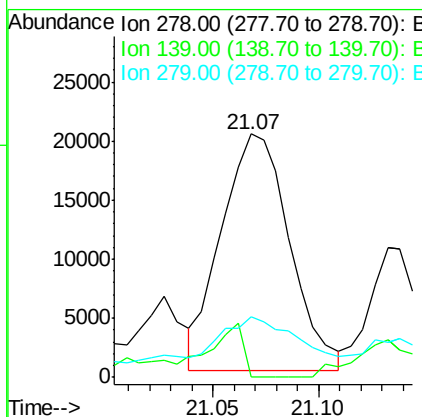
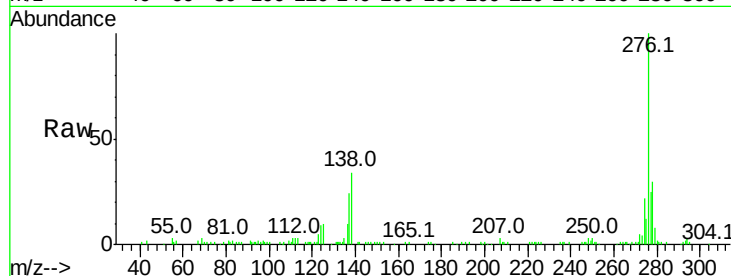
ClientSampleId :

GHD-SB-1020304-0-11

Tot Ion:	278	Resp:	44865
Ion Ratio	Lower	Upper	
278	100		
139	0.0	16.6	24.8#
279	24.9	19.3	28.9

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 18.53 ng

RT: 21.40 min Scan# 3385

Delta R.T. -0.02 min

Lab File: BF096170.D

Acq: 23 Jun 2017 20:58

Tgt Ion:	276	Resp:	138125
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.6	28.0
138	30.2	25.4	38.0

