

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096188.D
 Acq On : 24 Jun 2017 13:59
 Operator : SJ/MA
 Sample : I3851-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-36-1.5-3

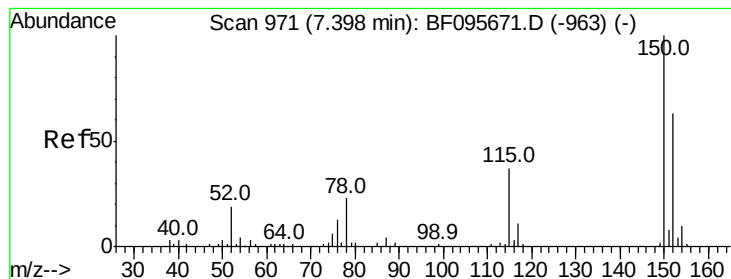
Manual Integrations
 APPROVED

mohammad
 6/29/2017 3:44:25 PM

Quant Time: Jun 26 02:24:45 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	70716	20.00	ng	-0.03
21) Naphthalene-d8	9.29	136	272828	20.00	ng	-0.04
38) Acenaphthene-d10	12.12	164	109531	20.00	ng	-0.04
63) Phenanthrene-d10	14.51	188	158184	20.00	ng	-0.03
75) Chrysene-d12	18.25	240	139059	20.00	ng	-0.02
86) Perylene-d12	19.93	264	114297	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	457033	102.98	ng	-0.04
7) Phenol-d6	6.85	99	539740	101.59	ng	-0.03
23) Nitrobenzene-d5	8.19	82	328130	74.69	ng	-0.04
41) 2,4,6-Tribromophenol	13.42	330	80854	83.43	ng	-0.04
44) 2-Fluorobiphenyl	11.07	172	513724	65.27	ng	-0.04
78) Terphenyl-d14	16.90	244	288465	51.48	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	11.77	163	93410	11.23	ng	99
51) Acenaphthene	12.17	154	16933	2.43	ng	96
57) Fluorene	13.02	166	17293	2.03	ng	100
70) Phenanthrene	14.55	178	281296	30.82	ng	99
71) Anthracene	14.64	178	42908m	4.50	ng	
74) Fluoranthene	16.34	202	171228	18.95	ng	99
77) Pyrene	16.64	202	274410	26.45	ng	# 93
80) Benzo(a)anthracene	18.24	228	111127	13.74	ng	96
82) Chrysene	18.29	228	123692	15.31	ng	99
85) Indeno(1,2,3-cd)pyrene	21.10	276	25078	3.63	ng	# 92
87) Benzo(b)fluoranthene	19.53	252	79061m	11.05	ng	
88) Benzo(k)fluoranthene	19.55	252	23080m	3.37	ng	
89) Benzo(a)pyrene	19.87	252	70639	10.74	ng	98
90) Dibenzo(a,h)anthracene	21.08	278	12719	2.28	ng	# 78
91) Benzo(a,h,i)perylene	21.42	276	31786	5.59	ng	99

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



#1

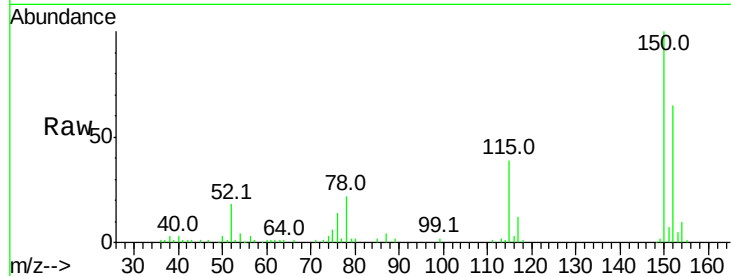
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 982
Delta R.T. -0.03 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

Instrument :
BNA_F
ClientSampleId :
G-36-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.2	189.2
115	60.5	52.2	78.2

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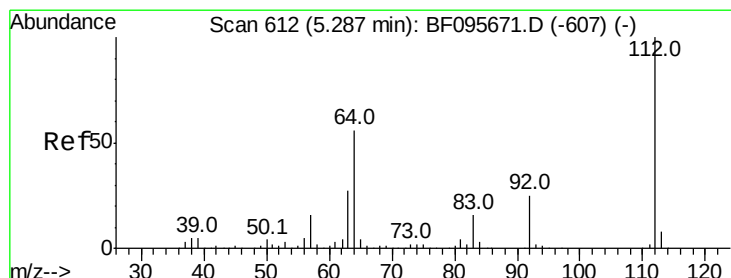
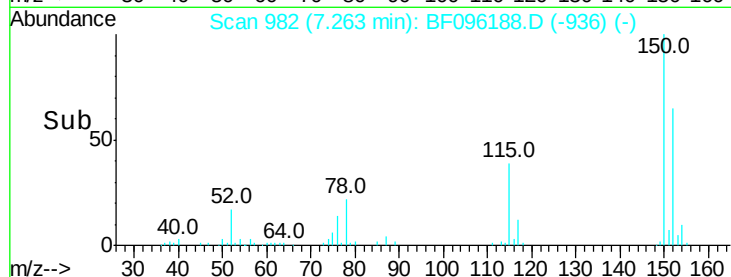
Abundance

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

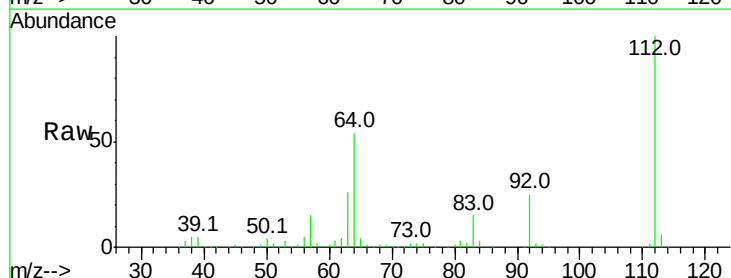
Time-->



#5

2-Fluorophenol
Concen: 102.98 ng
RT: 5.15 min Scan# 622
Delta R.T. -0.04 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	46.0	69.0
63	26.4	23.4	35.0



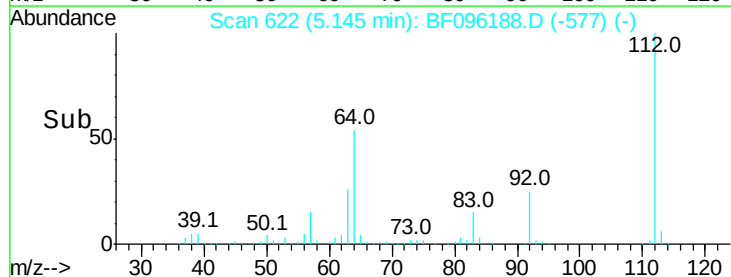
Abundance

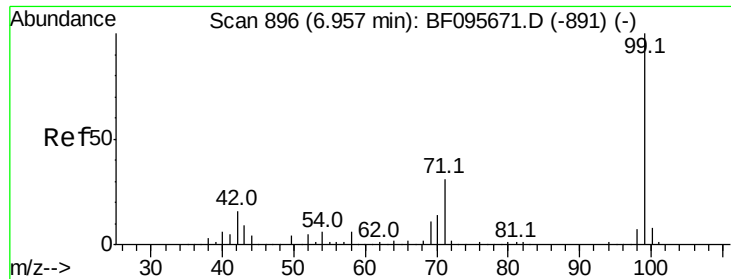
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 101.59 ng

RT: 6.85 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF096188.D

Acq: 24 Jun 2017 13:59

Instrument :

BNA_F

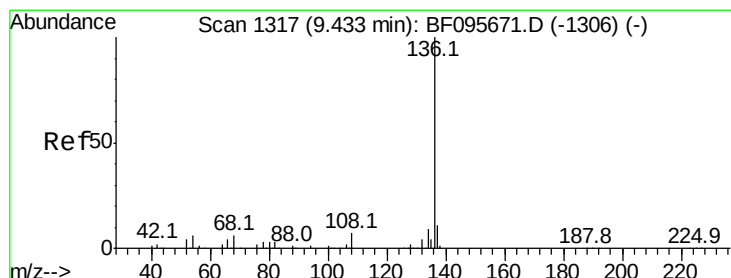
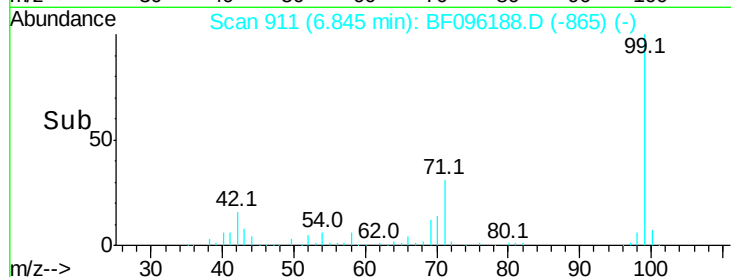
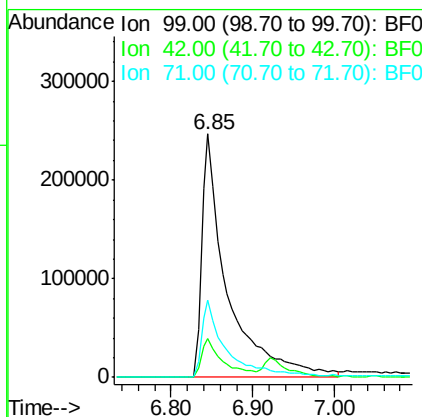
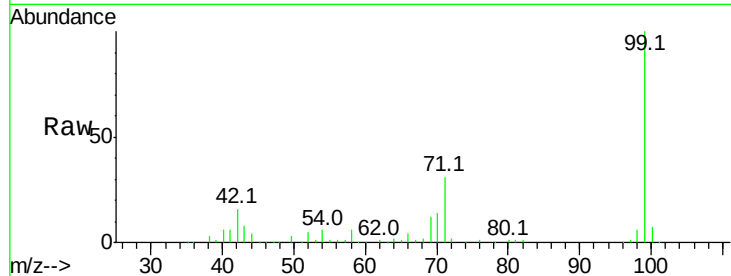
ClientSampleId :

G-36-1.5-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		539740		
42	15.9	13.5	20.3		
71	31.5	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

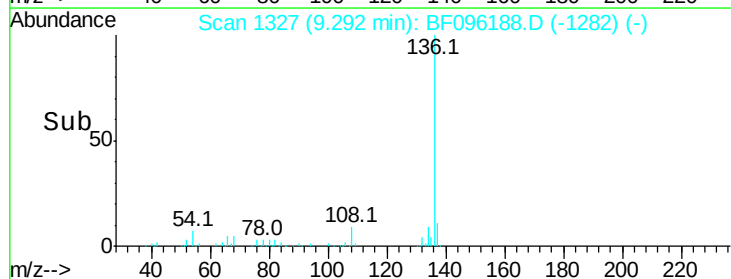
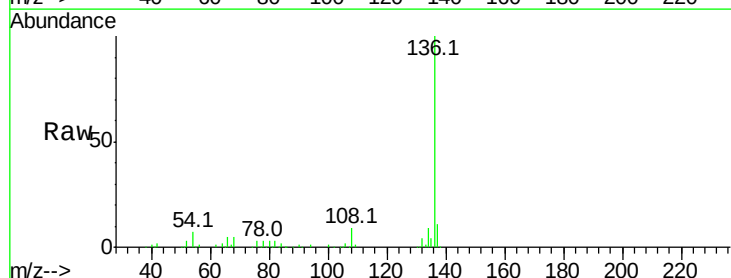
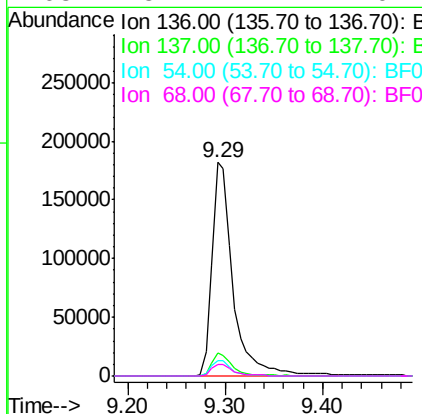
RT: 9.29 min Scan# 1327

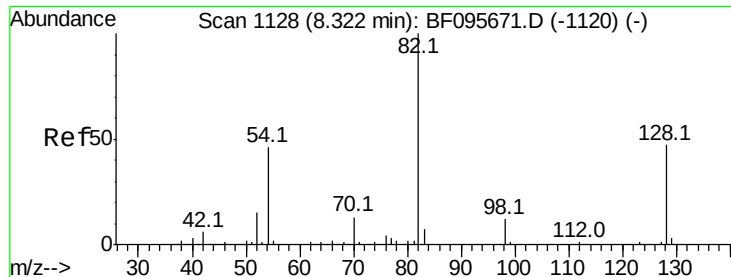
Delta R.T. -0.04 min

Lab File: BF096188.D

Acq: 24 Jun 2017 13:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		272828		
137	10.9	8.5	12.7		
54	7.3	4.9	7.3		
68	5.4	4.1	6.1		





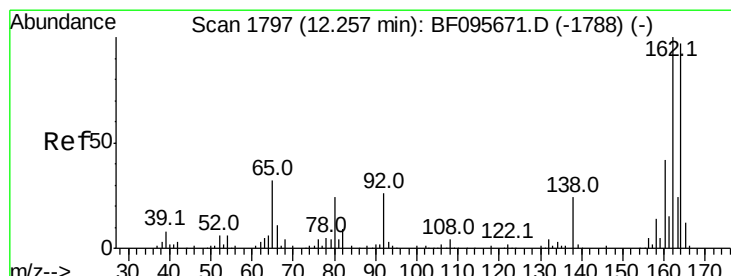
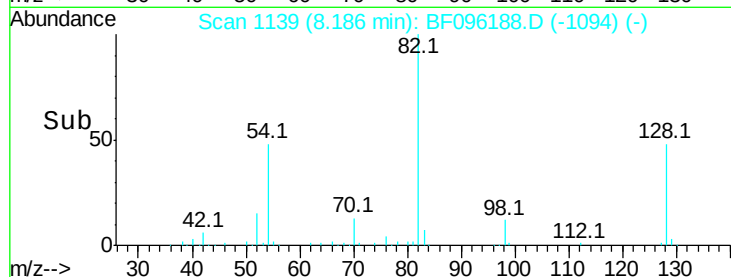
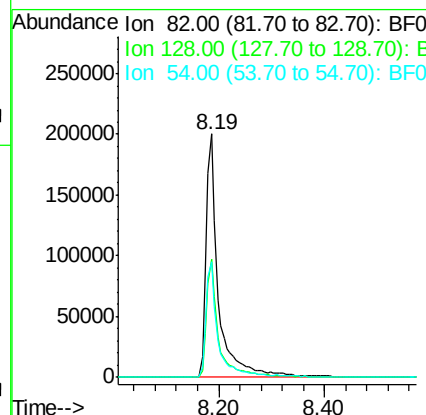
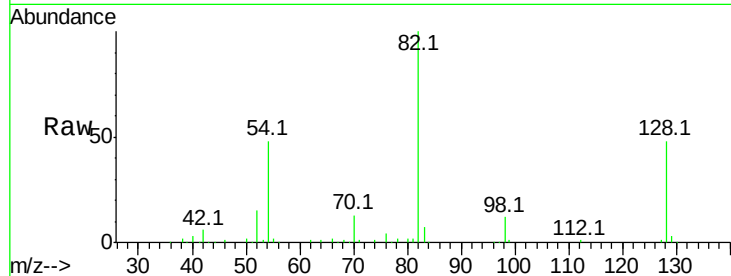
#23
 Nitrobenzene-d5
 Concen: 74.69 ng
 RT: 8.19 min Scan# 1139
 Delta R.T. -0.04 min
 Lab File: BF096188.D
 Acq: 24 Jun 2017 13:59

Instrument :
 BNA_F
 ClientSampled :
 G-36-1.5-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	34.0	51.0
54	47.6	42.2	63.2

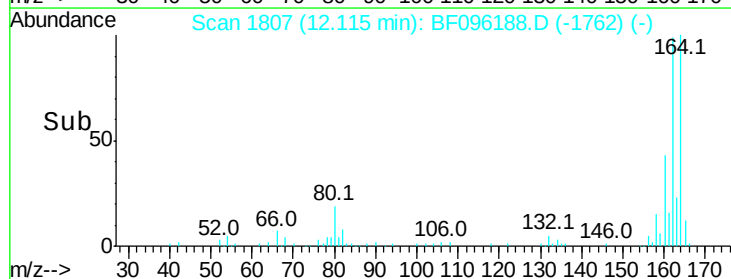
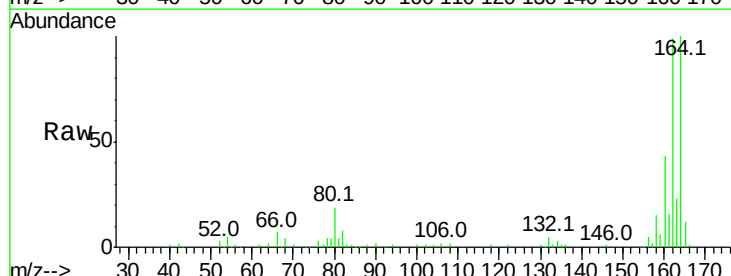
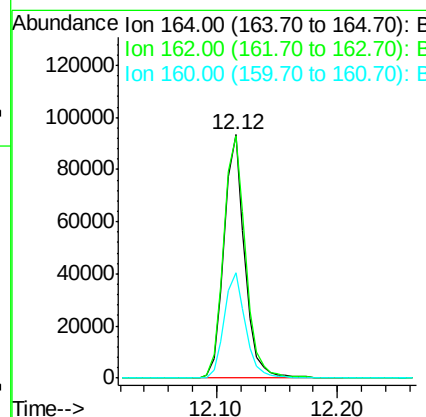
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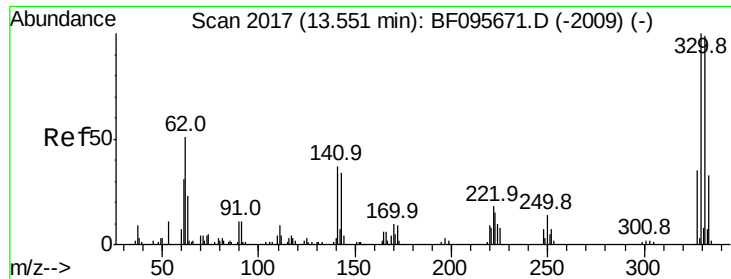
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.12 min Scan# 1807
 Delta R.T. -0.04 min
 Lab File: BF096188.D
 Acq: 24 Jun 2017 13:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	82.6	123.8
160	43.3	36.2	54.2





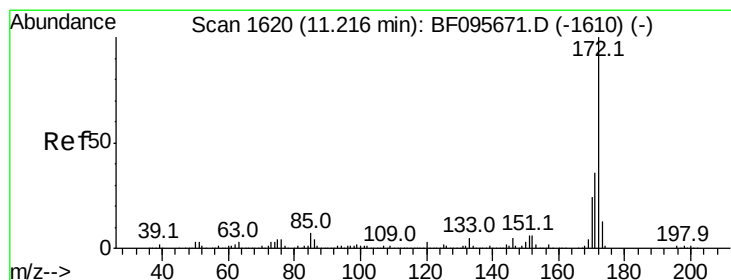
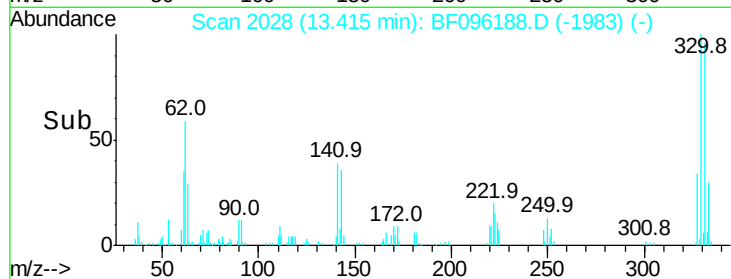
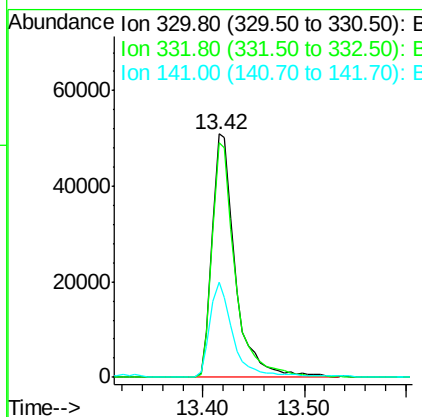
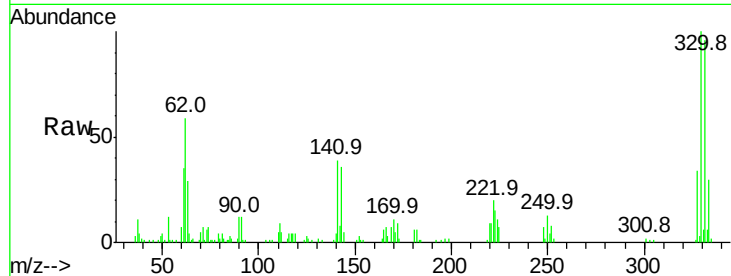
#41
 2,4,6-Tribromophenol
 Concen: 83.43 ng
 RT: 13.42 min Scan# 2028
 Delta R.T. -0.04 min
 Lab File: BF096188.D
 Acq: 24 Jun 2017 13:59

Instrument :
 BNA_F
 ClientSampleId :
 G-36-1.5-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	40.6	31.4	47.2

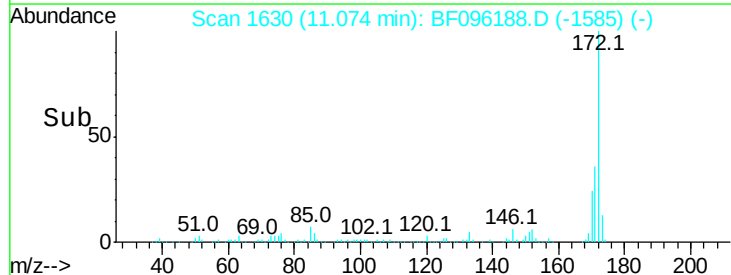
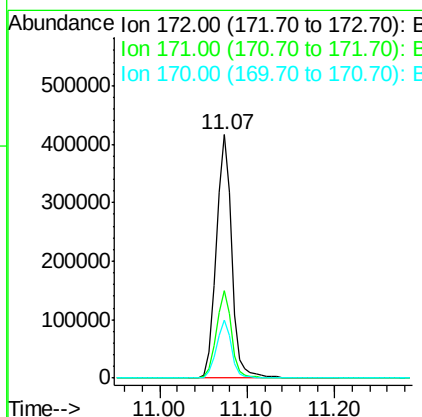
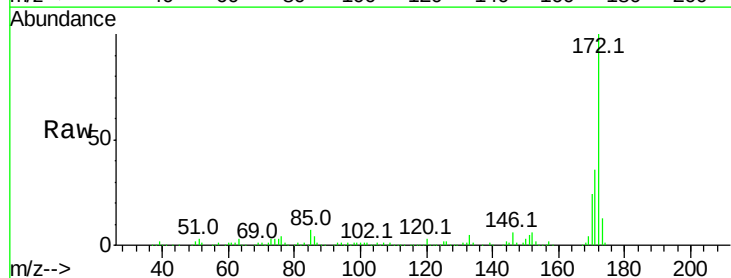
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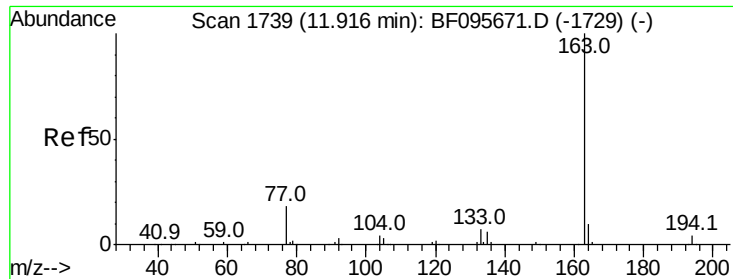
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#44
 2-Fluorobiphenyl
 Concen: 65.27 ng
 RT: 11.07 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BF096188.D
 Acq: 24 Jun 2017 13:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.0	19.8	29.8





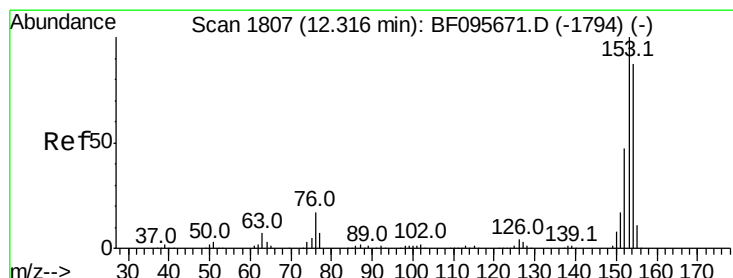
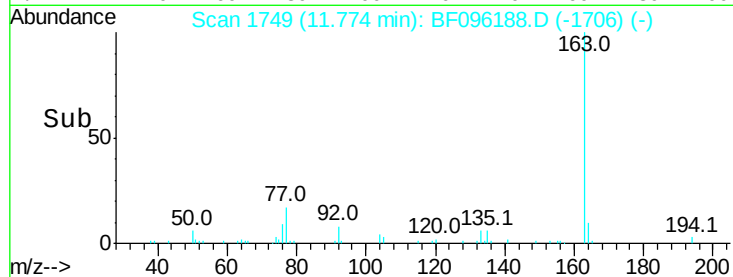
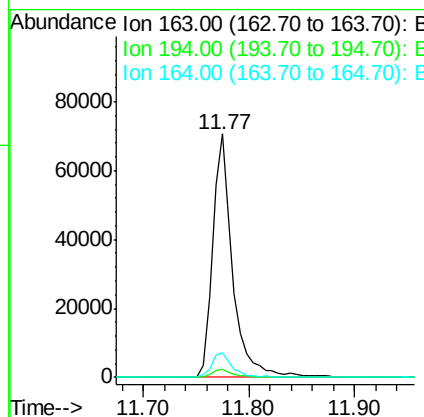
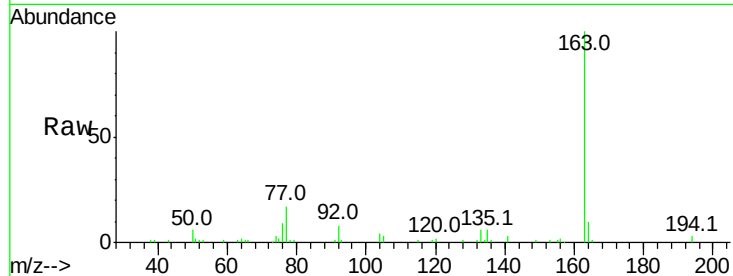
#49
Dimethylphthalate
Concen: 11.23 ng
RT: 11.77 min Scan# 1749
Delta R.T. -0.05 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

Instrument :
BNA_F
ClientSampleId :
G-36-1.5-3

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.0	8.4	12.6

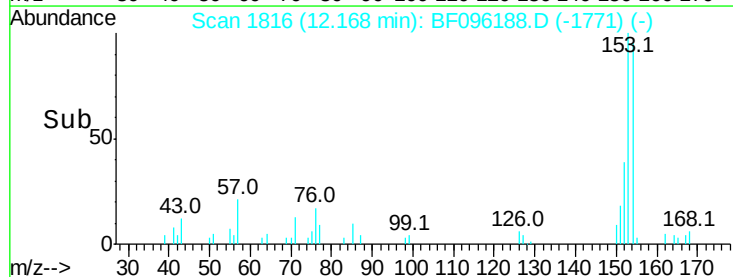
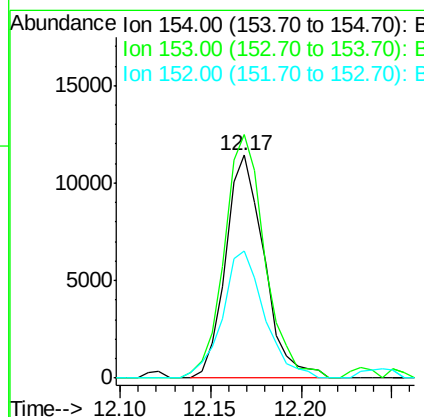
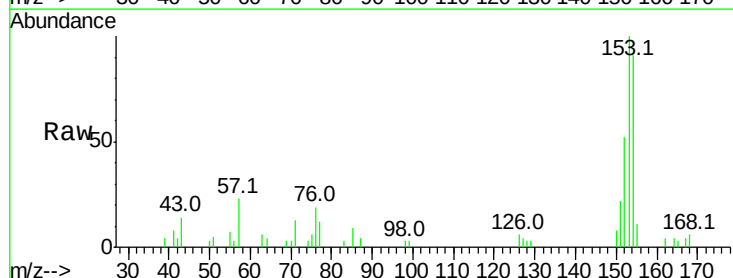
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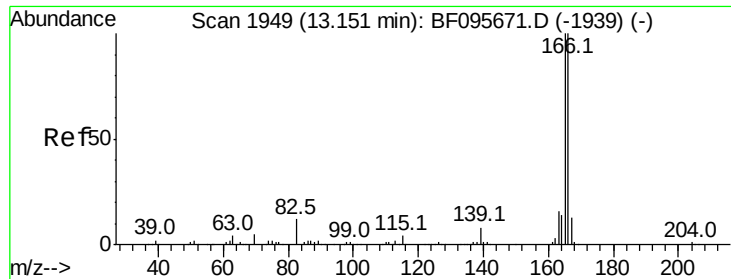
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#51
Acenaphthene
Concen: 2.43 ng
RT: 12.17 min Scan# 1816
Delta R.T. -0.04 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.4	90.5	135.7
152	57.3	43.6	65.4





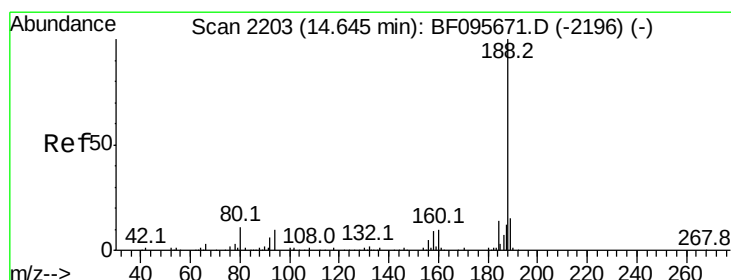
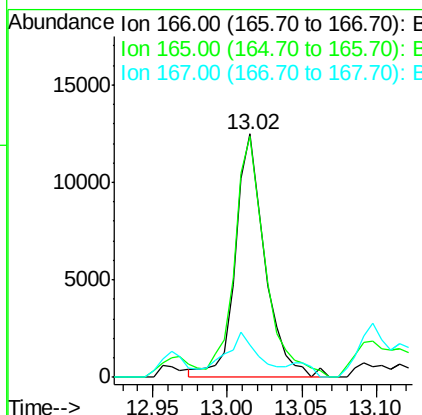
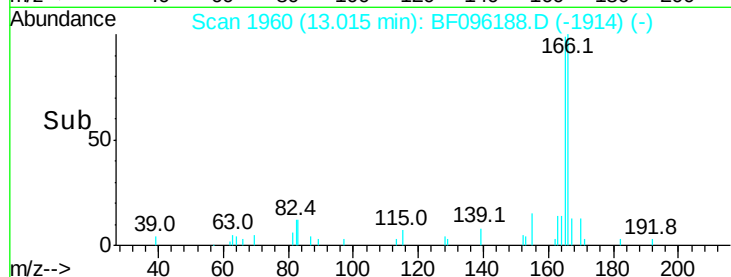
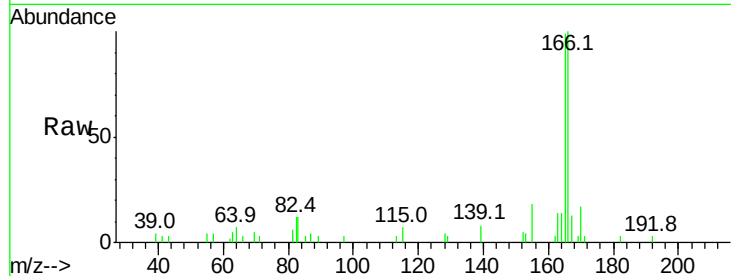
#57
 Fluorene
 Concen: 2.03 ng
 RT: 13.02 min Scan# 1960
 Delta R.T. -0.03 min
 Lab File: BF096188.D
 Acq: 24 Jun 2017 13:59

Instrument :
 BNA_F
 ClientSampleId :
 G-36-1.5-3

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.8	118.2
167	13.3	10.6	16.0

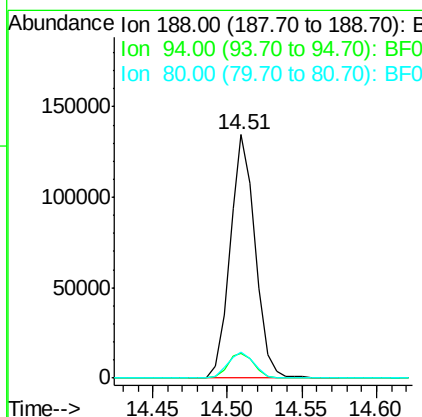
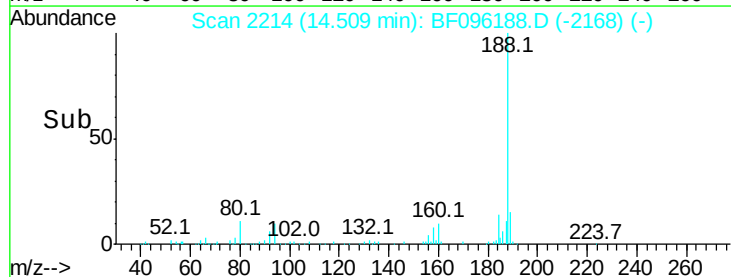
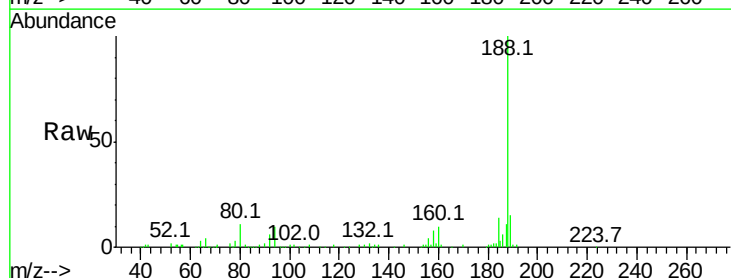
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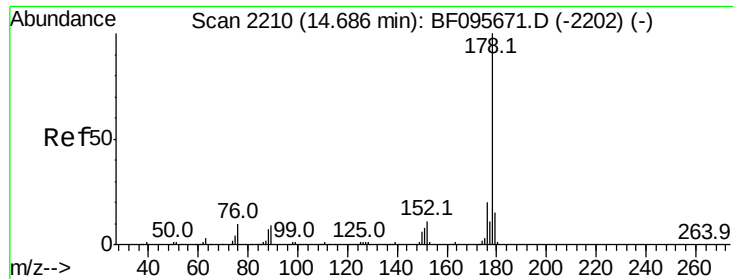
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.51 min Scan# 2214
 Delta R.T. -0.03 min
 Lab File: BF096188.D
 Acq: 24 Jun 2017 13:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	10.8	10.2	15.2





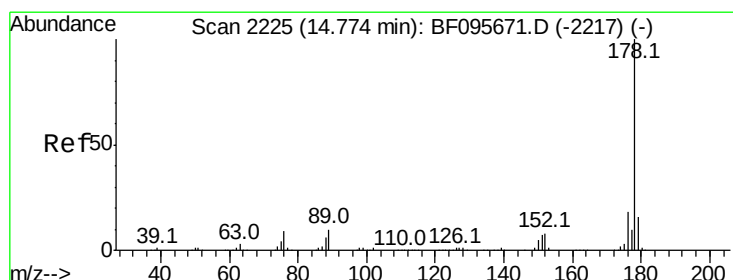
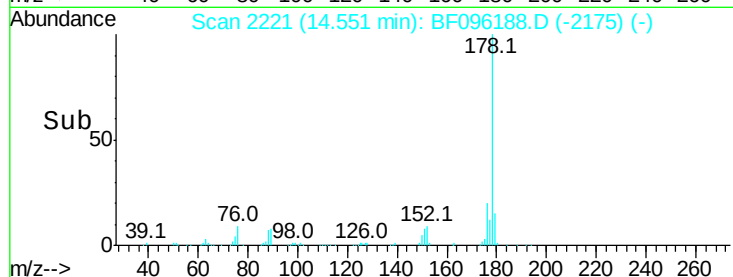
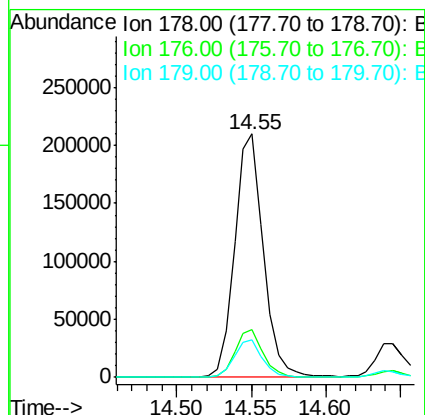
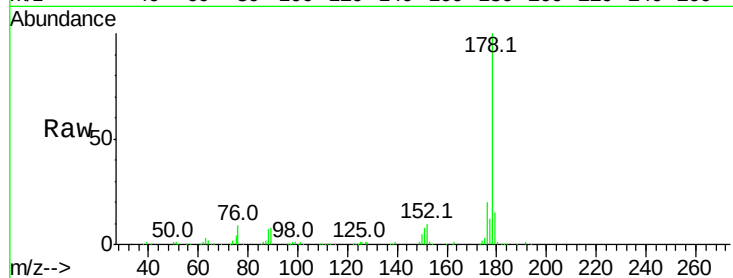
#70
Phenanthrene
Concen: 30.82 ng
RT: 14.55 min Scan# 2221
Delta R.T. -0.03 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

Instrument :
BNA_F
ClientSampleId :
G-36-1.5-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	15.4	12.6	19.0

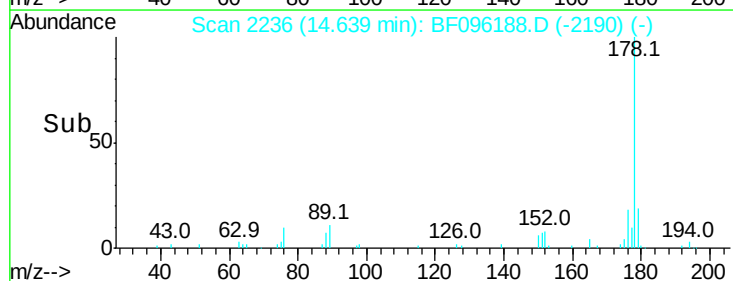
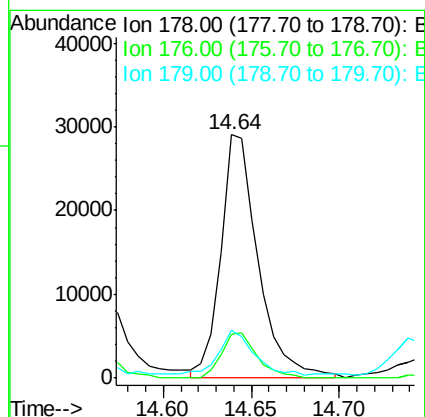
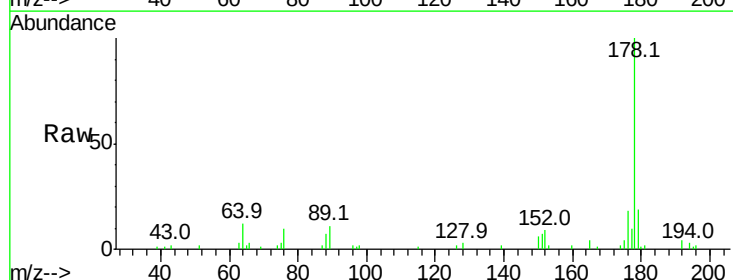
Manual Integrations
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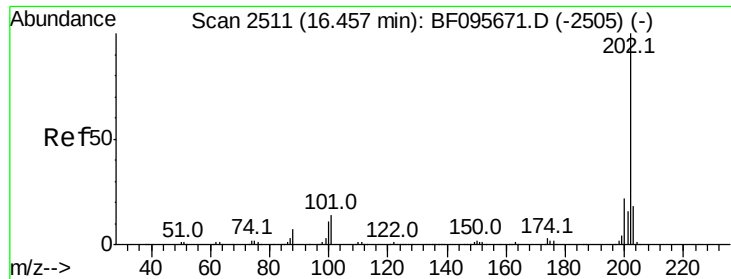
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#71
Anthracene
Concen: 4.50 ng m
RT: 14.64 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	19.5	12.7	19.1#





#74

Fluoranthene

Concen: 18.95 ng

RT: 16.34 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF096188.D

Acq: 24 Jun 2017 13:59

Instrument :

BNA_F

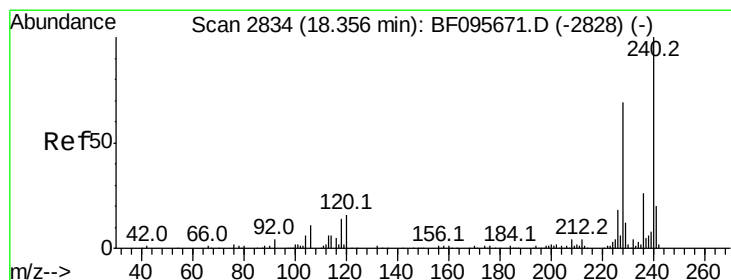
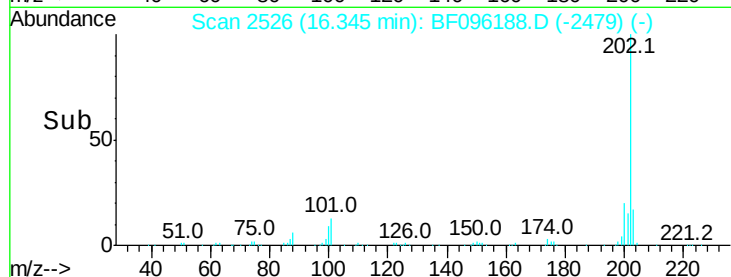
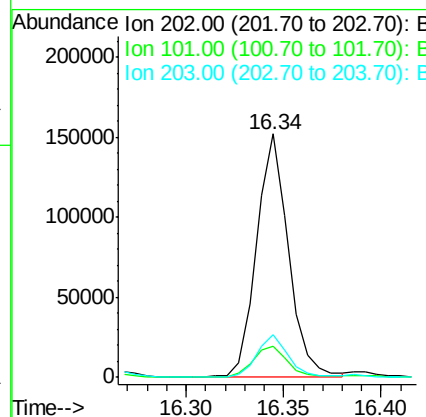
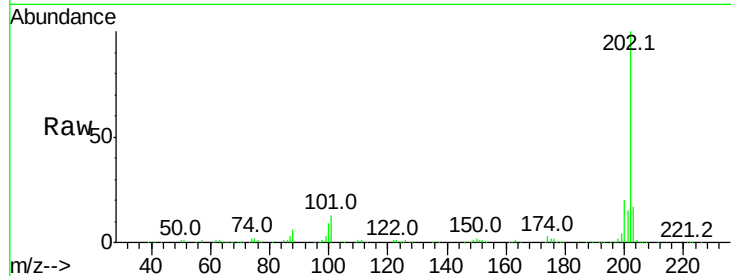
ClientSampleId :

G-36-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

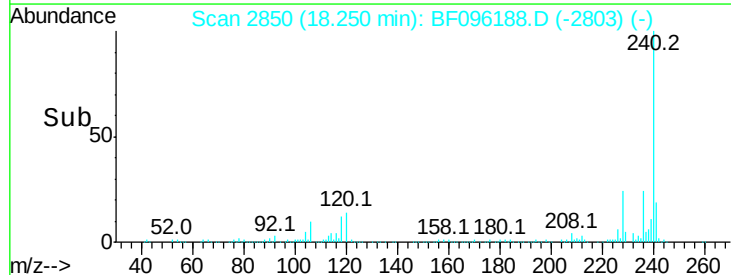
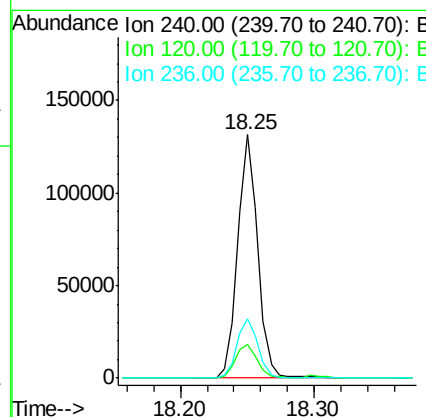
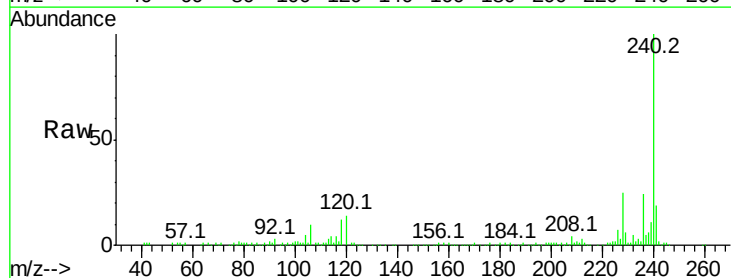
RT: 18.25 min Scan# 2850

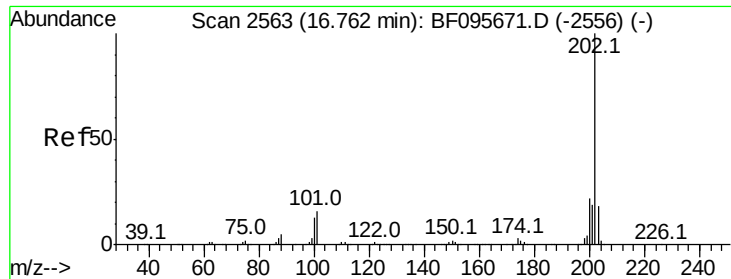
Delta R.T. -0.02 min

Lab File: BF096188.D

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Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.0	5.8	8.8#
236	24.4	20.5	30.7





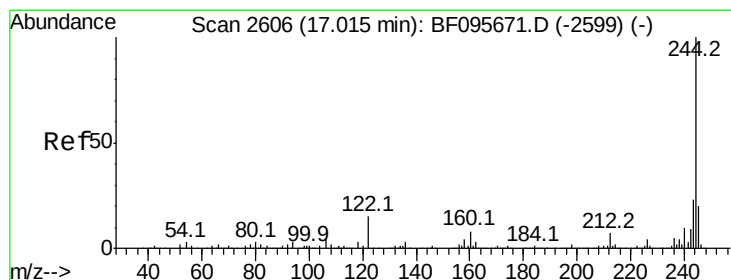
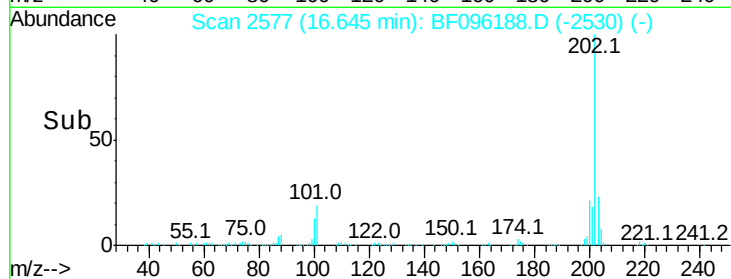
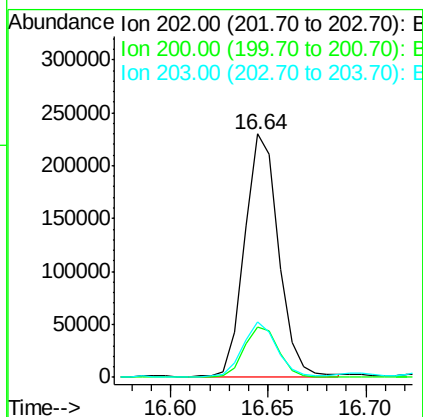
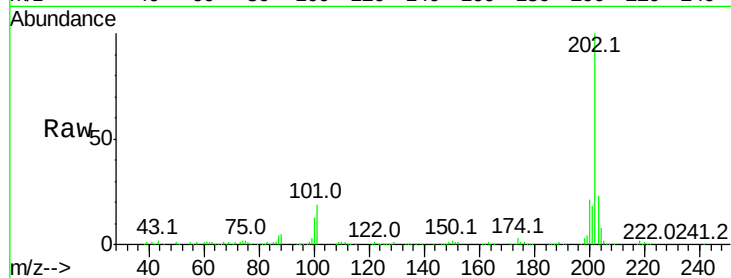
#77
Pvrene
Concen: 26.45 ng
RT: 16.64 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

Instrument :
BNA_F
ClientSampleId :
G-36-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	17.6	26.4
203	22.8	14.4	21.6

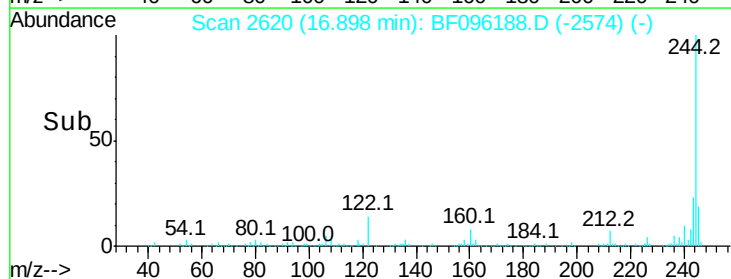
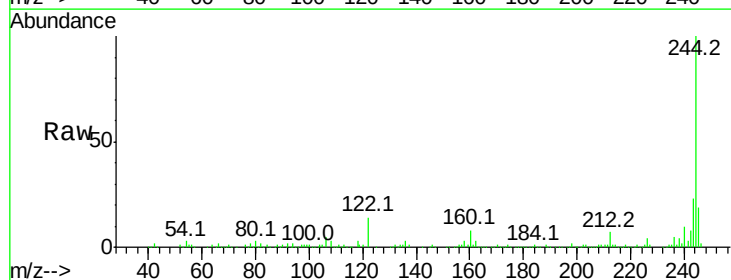
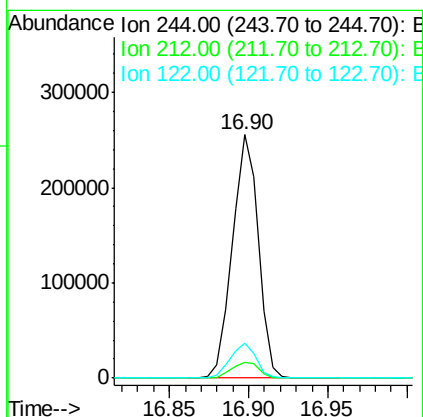
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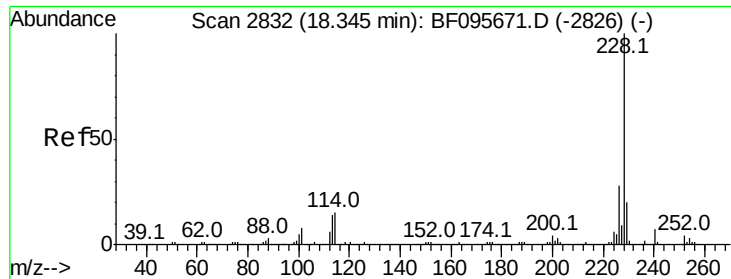
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#78
Terphenyl-d14
Concen: 51.48 ng
RT: 16.90 min Scan# 2620
Delta R.T. -0.03 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	6.0	9.0
122	14.4	10.3	15.5





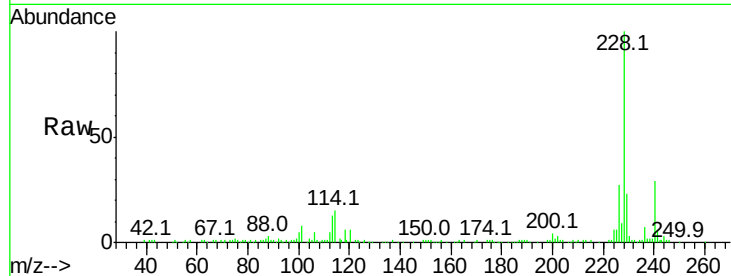
#80
Benzo(a)anthracene
Concen: 13.74 ng
RT: 18.24 min Scan# 2848
Delta R.T. -0.02 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

Instrument :
BNA_F
ClientSampled :
G-36-1.5-3

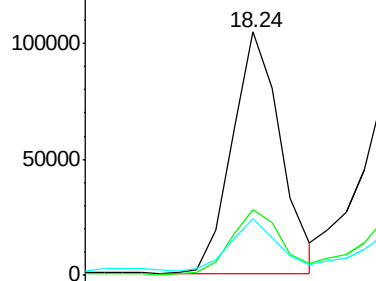
Tot Ion	Ratio	Resp	Lower	Upper
228	100	111127		
226	27.2	22.6	33.8	
229	23.2	16.3	24.5	

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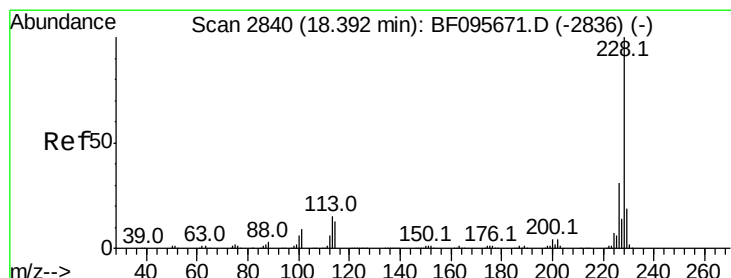
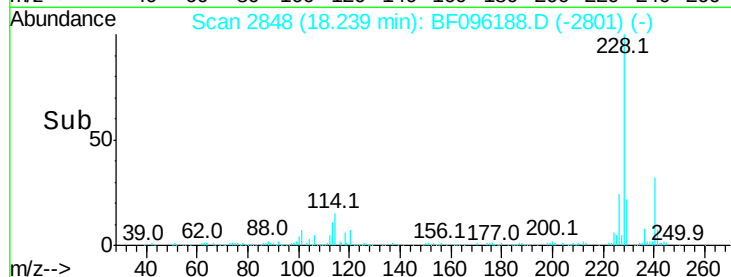
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



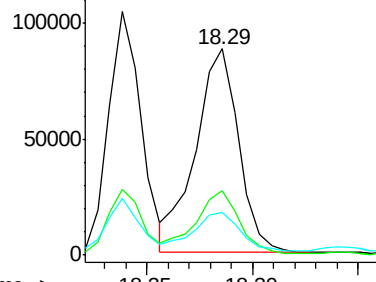
Time-->



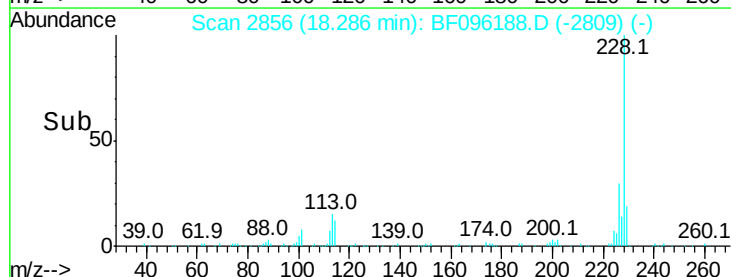
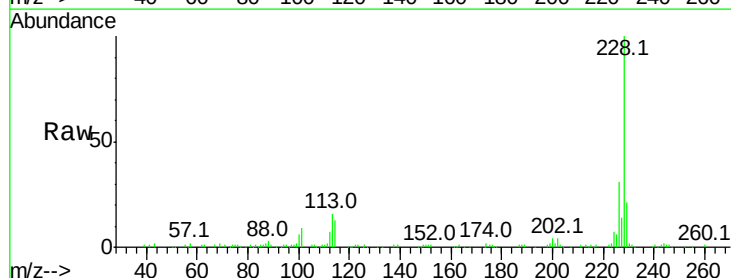
#82
Chrysene
Concen: 15.31 ng
RT: 18.29 min Scan# 2856
Delta R.T. -0.02 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

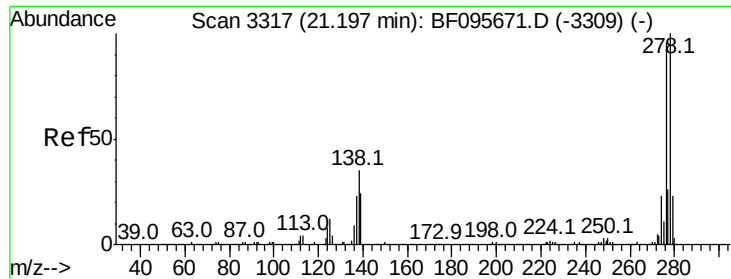
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	123692		
226	31.1	24.9	37.3	
229	20.8	15.8	23.6	

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



Time-->





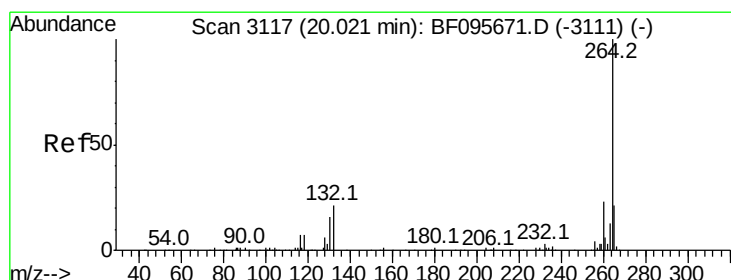
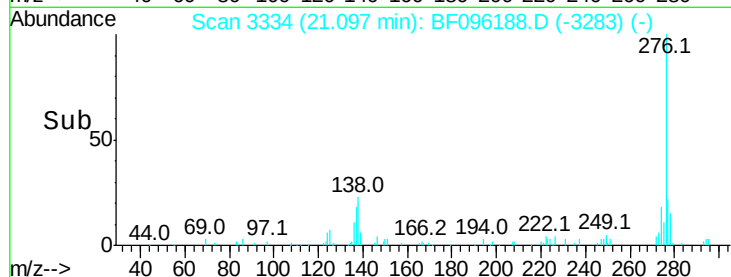
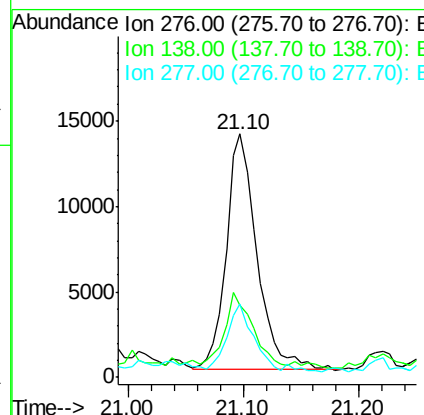
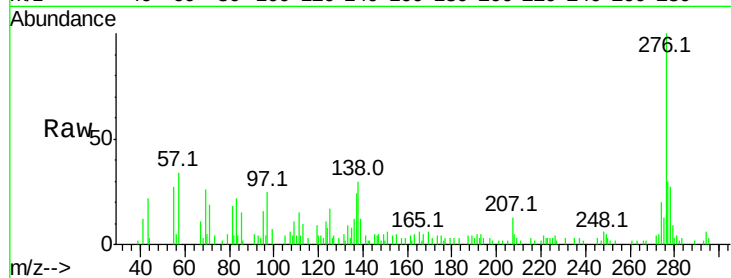
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.63 ng
RT: 21.10 min Scan# 3334
Delta R.T. 0.00 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

Instrument :
BNA_F
ClientSampleId :
G-36-1.5-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.7	27.8	41.6#
277	24.1	20.2	30.4

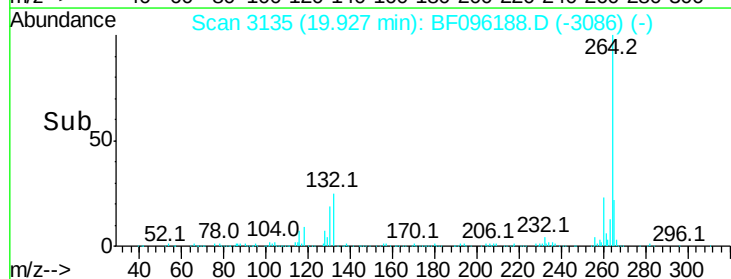
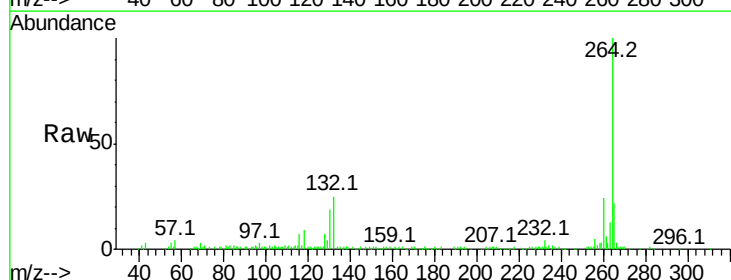
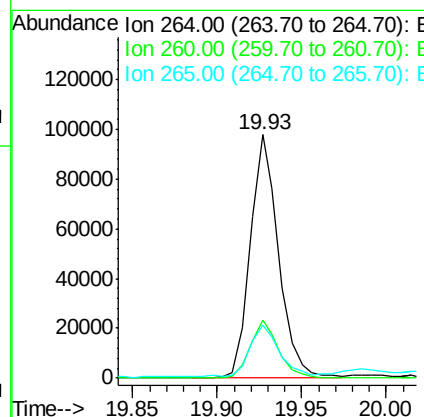
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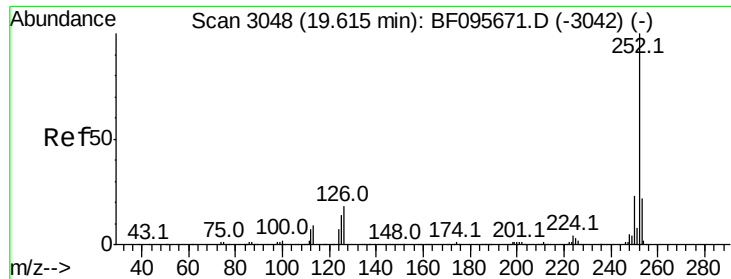
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#86
Perylene-d12
Concen: 20.00 ng
RT: 19.93 min Scan# 3135
Delta R.T. -0.01 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.0	17.2	25.8





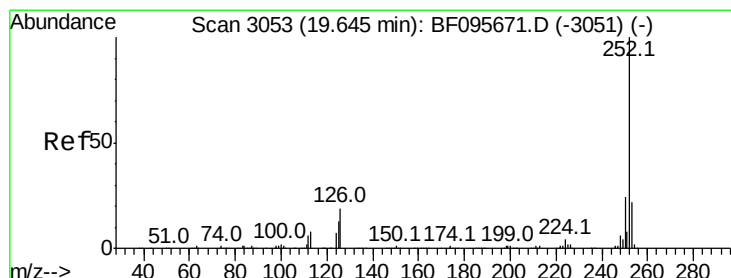
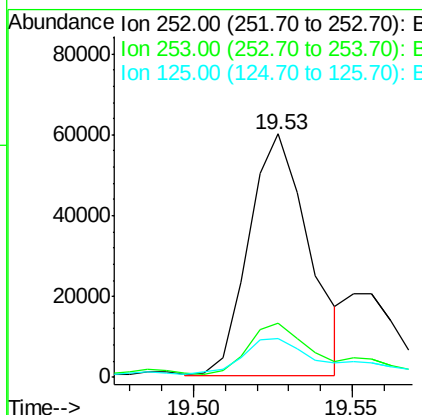
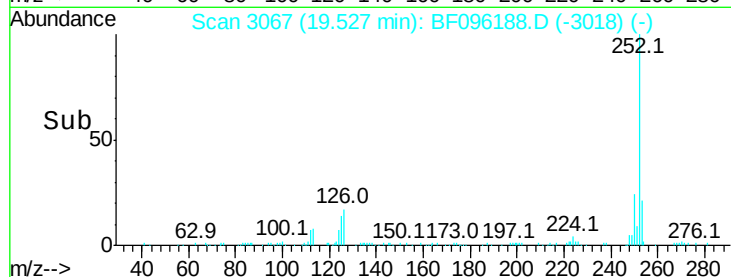
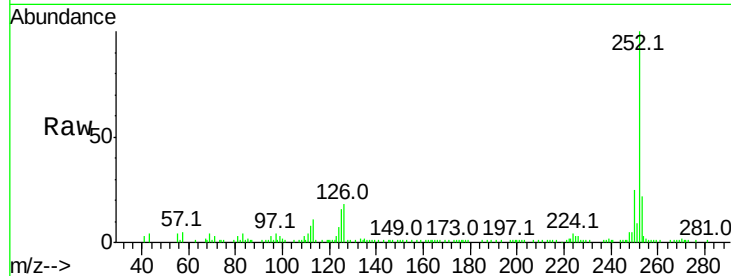
#87
Benzo(b)fluoranthene
Concen: 11.05 ng m
RT: 19.53 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

Instrument :
BNA_F
ClientSampleId :
G-36-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	15.7	9.8	14.8

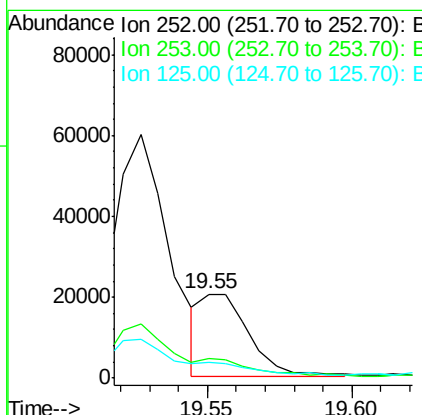
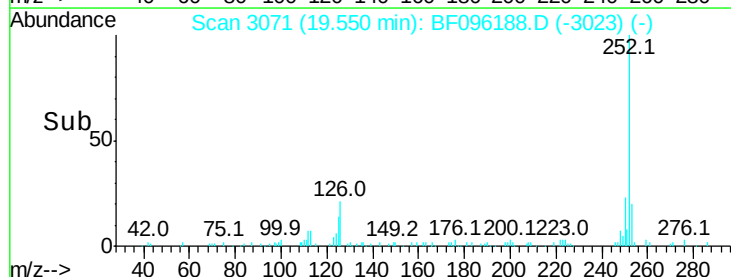
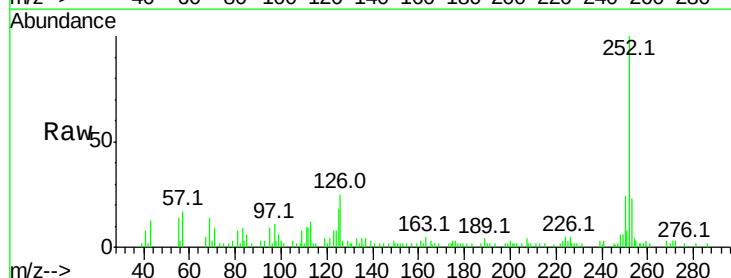
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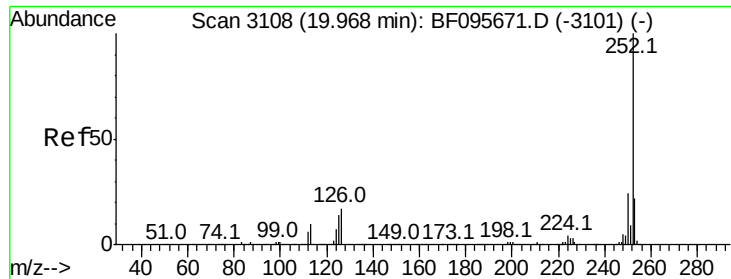
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#88
Benzo(k)fluoranthene
Concen: 3.37 ng m
RT: 19.55 min Scan# 3071
Delta R.T. -0.02 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	18.3	13.1	19.7





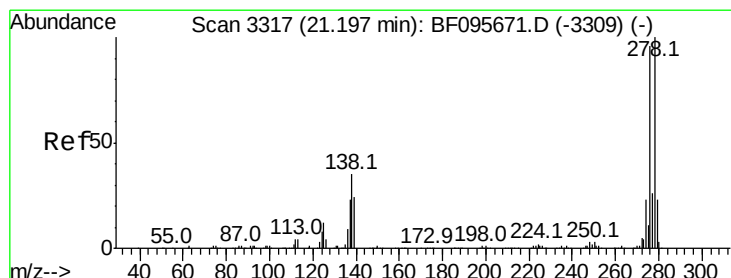
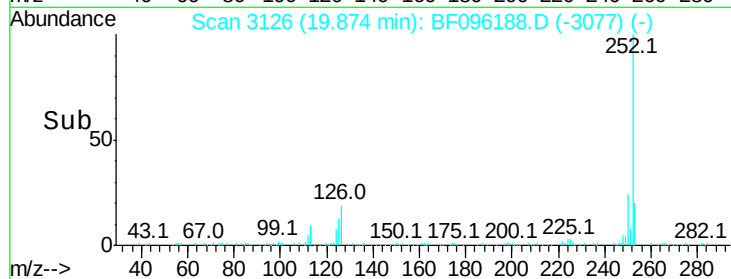
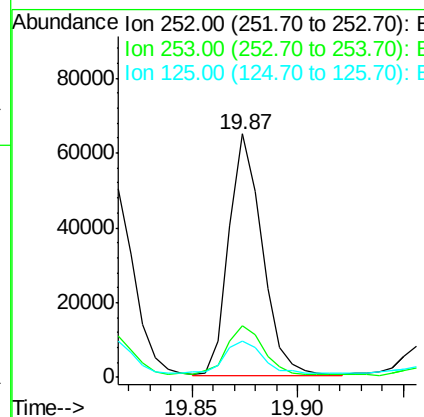
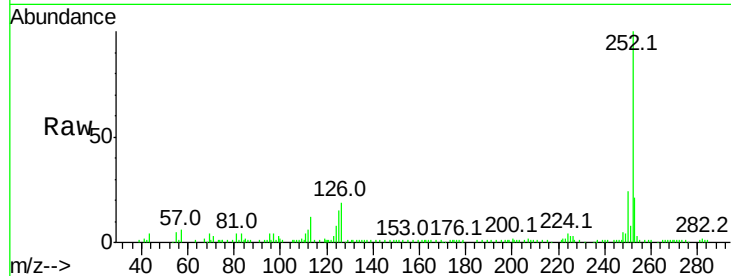
#89
Benzo(a)pyrene
Concen: 10.74 ng
RT: 19.87 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

Instrument :
BNA_F
ClientSampleId :
G-36-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.5	26.3
125	15.1	11.0	16.4

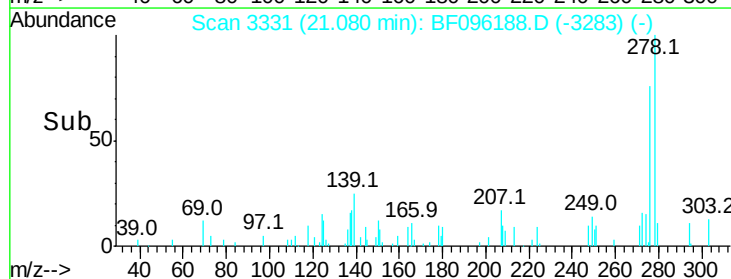
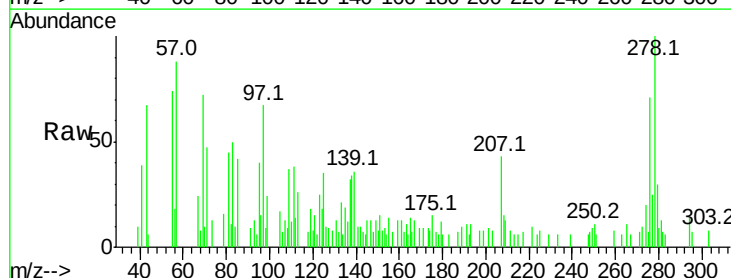
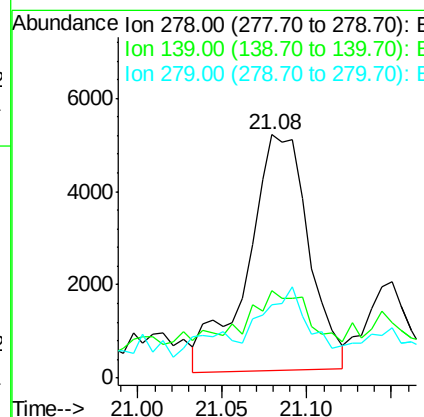
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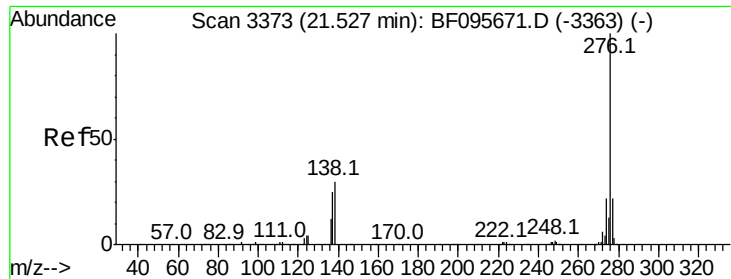
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#90
Dibenzo(a,h)anthracene
Concen: 2.28 ng
RT: 21.08 min Scan# 3331
Delta R.T. -0.02 min
Lab File: BF096188.D
Acq: 24 Jun 2017 13:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	35.7	16.6	24.8#
279	30.2	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 5.59 ng
 RT: 21.42 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: BF096188.D
 Acq: 24 Jun 2017 13:59

Instrument :
 BNA_F
 ClientSampleId :
 G-36-1.5-3

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	31.8	25.4	38.0

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