

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096094.D
 Acq On : 21 Jun 2017 20:23
 Operator : SJ/MA
 Sample : I3736-11 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G21-0-1.5

Manual Integrations
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Quant Time: Jun 22 01:44:22 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	74285	20.00	ng	0.00
21) Naphthalene-d8	9.33	136	283319	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	110871	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	196364	20.00	ng	0.00
75) Chrysene-d12	18.27	240	162500	20.00	ng	0.00
86) Perylene-d12	19.95	264	106132	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	170695	36.61	ng	0.02
7) Phenol-d6	6.89	99	253954	45.50	ng	0.02
23) Nitrobenzene-d5	8.22	82	149185	32.70	ng	0.00
41) 2,4,6-Tribromophenol	13.45	330	35626	36.32	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	246899	30.99	ng	0.00
78) Terphenyl-d14	16.92	244	181817	27.77	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	11.92	152	33536	2.75	ng	97
49) Dimethylphthalate	11.81	163	30441	3.62	ng	# 98
70) Phenanthrene	14.58	178	39928	3.52	ng	96
71) Anthracene	14.67	178	36692	3.10	ng	97
74) Fluoranthene	16.37	202	115496	10.30	ng	96
77) Pyrene	16.67	202	115648	9.54	ng	94
80) Benzo(a)anthracene	18.26	228	70699m	7.48	ng	
82) Chrysene	18.31	228	76031	8.05	ng	98
85) Indeno(1,2,3-cd)pyrene	21.12	276	35992	4.46	ng	94
87) Benzo(b)fluoranthene	19.54	252	106887m	16.08	ng	
88) Benzo(k)fluoranthene	19.57	252	30020m	4.73	ng	
89) Benzo(a)pyrene	19.90	252	53491	8.76	ng	# 87
90) Dibenzo(a,h)anthracene	21.11	278	13122	2.53	ng	# 81
91) Benzo(a,h,i)perylene	21.45	276	35377	6.70	ng	96

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

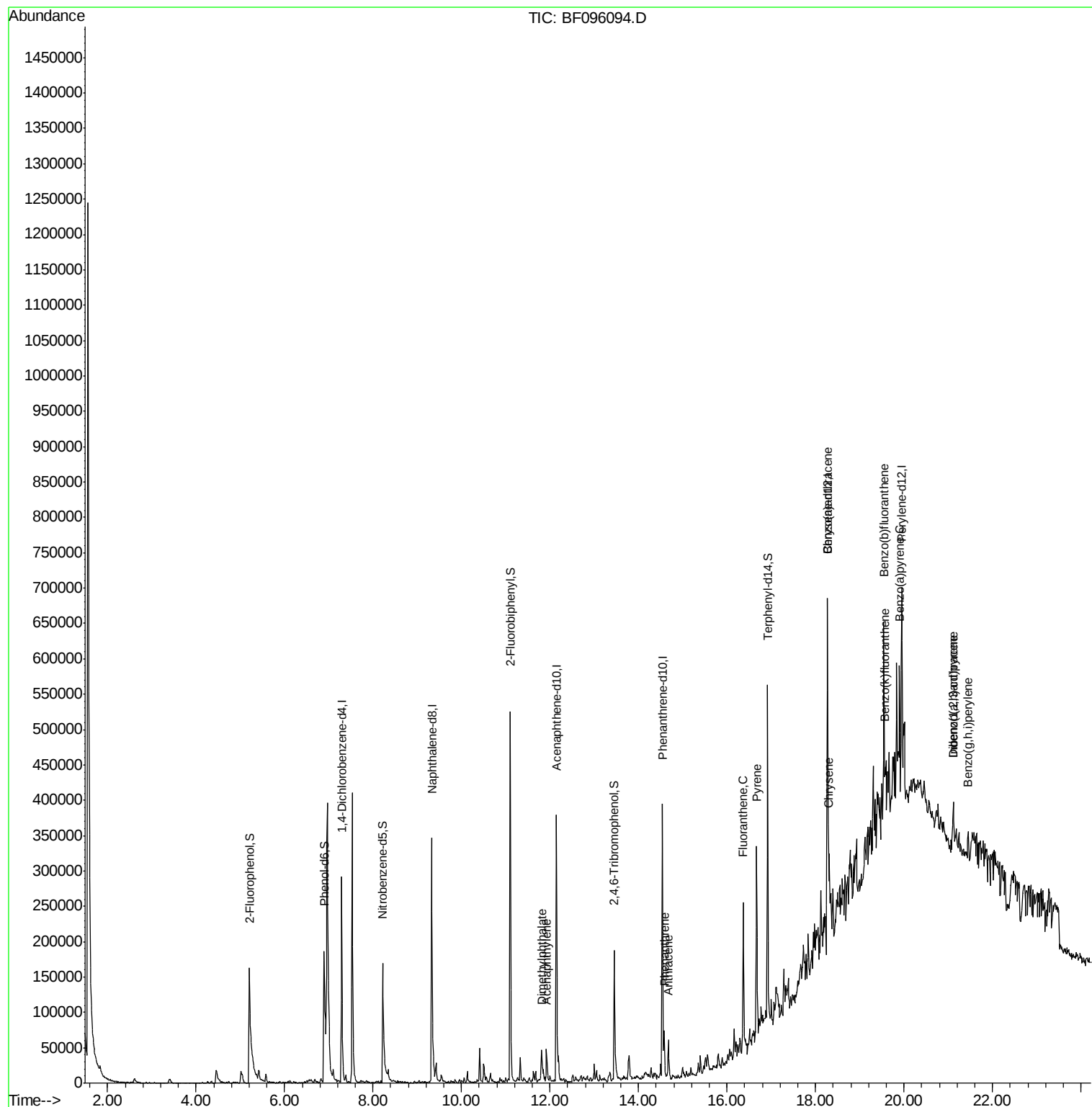
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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Sample : I3736-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

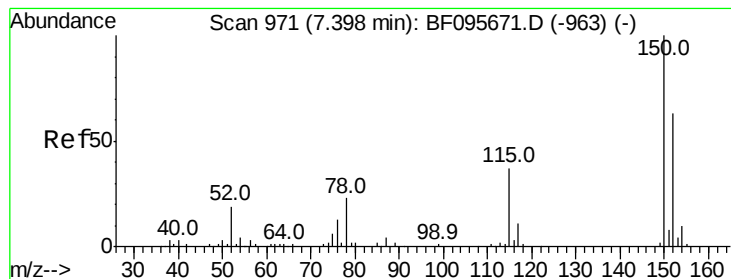
Instrument :
BNA_F
ClientSampleId :
G21-0-1.5

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#1

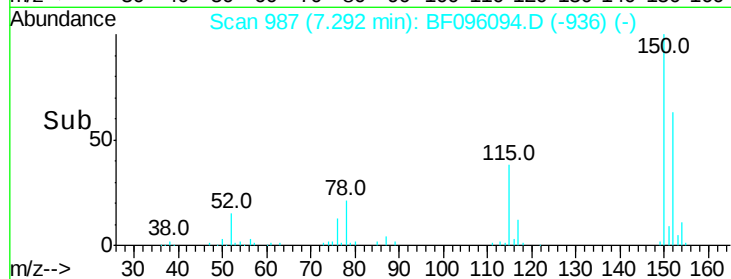
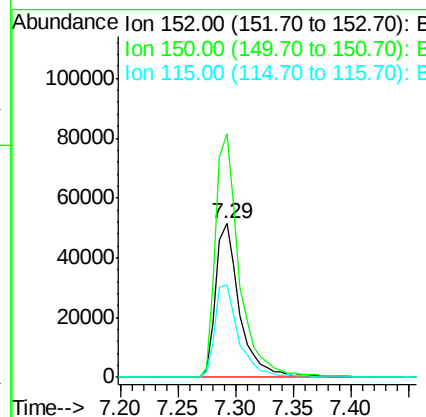
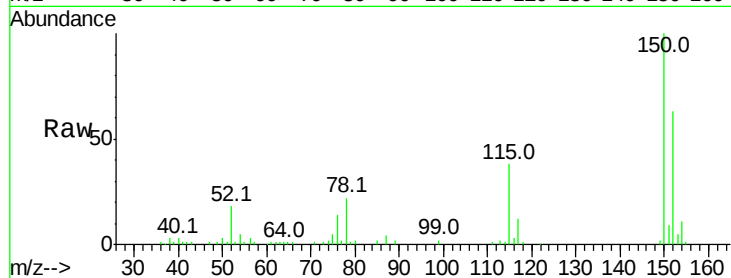
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096094.D
Acq: 21 Jun 2017 20:23

Instrument :
BNA_F
ClientSampled :
G21-0-1.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.2	189.2
115	60.0	52.2	78.2

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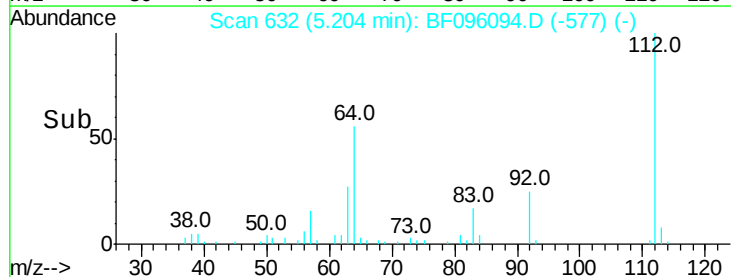
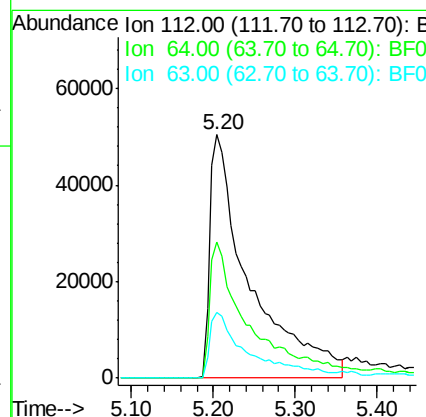
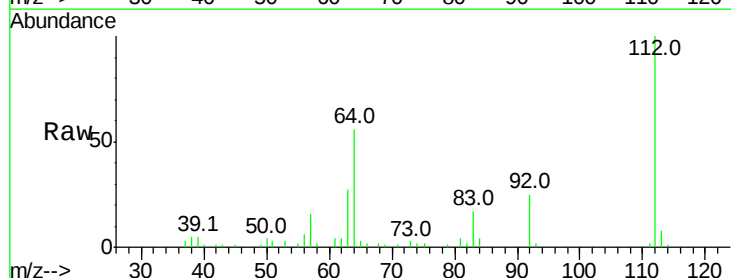
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#5

2-Fluorophenol
Concen: 36.61 ng
RT: 5.20 min Scan# 632
Delta R.T. 0.02 min
Lab File: BF096094.D
Acq: 21 Jun 2017 20:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.0	69.0
63	26.8	23.4	35.0





#7

Phenol-d6

Concen: 45.50 ng

RT: 6.89 min Scan# 919

Delta R.T. 0.02 min

Lab File: BF096094.D

Acq: 21 Jun 2017 20:23

Instrument :

BNA_F

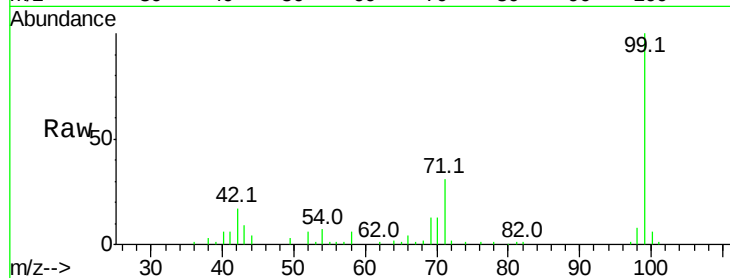
ClientSampleId :

G21-0-1.5

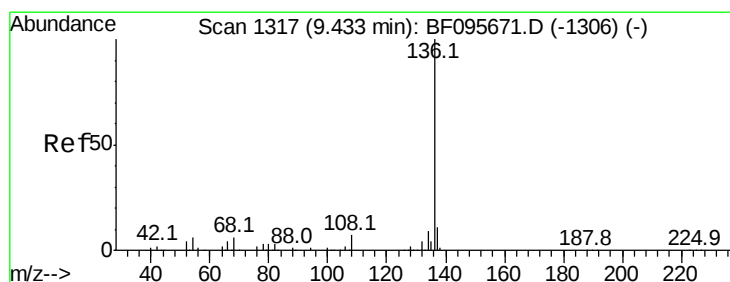
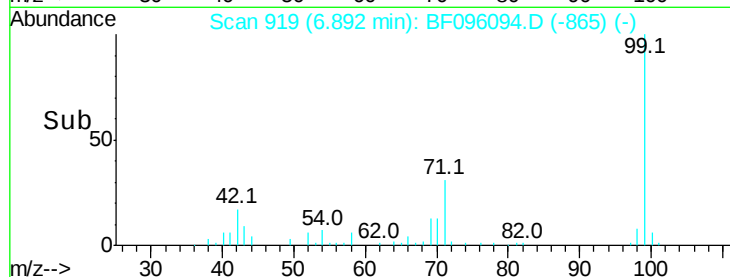
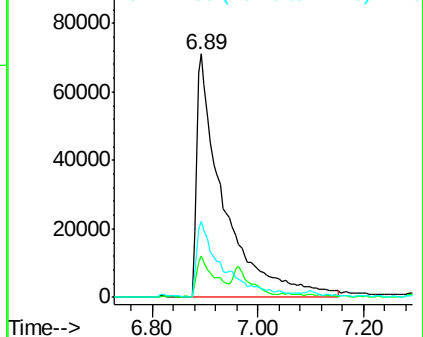
Tot Ion:	99	Resp:	253954
Ion Ratio	Lower	Upper	
99	100		
42	17.0	13.5	20.3
71	31.1	24.5	36.7

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.33 min Scan# 1333

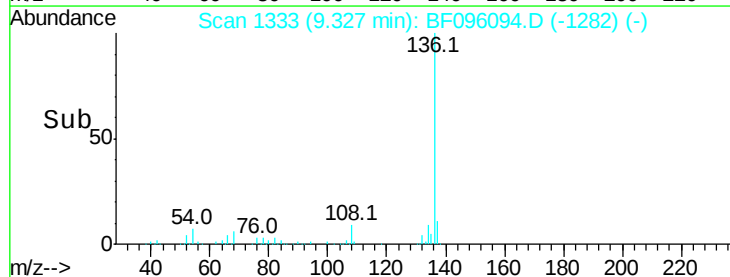
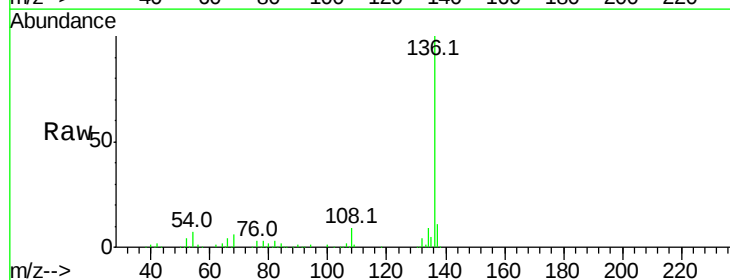
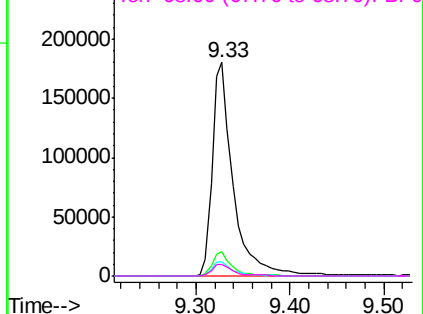
Delta R.T. 0.00 min

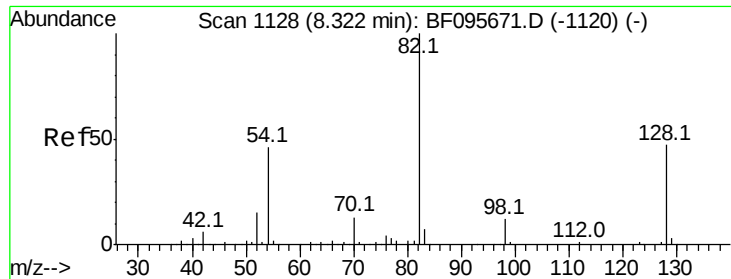
Lab File: BF096094.D

Acq: 21 Jun 2017 20:23

Tgt Ion:	136	Resp:	283319
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	6.6	4.9	7.3
68	5.7	4.1	6.1

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





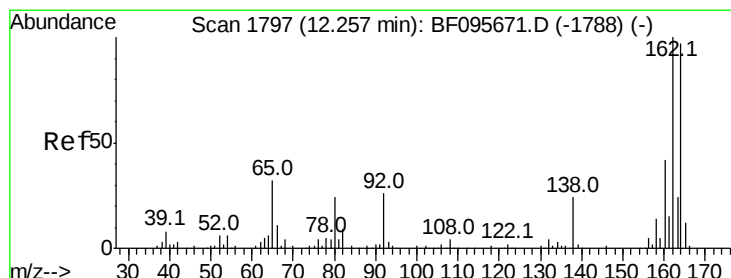
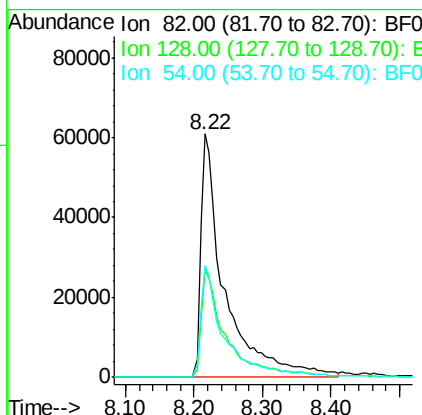
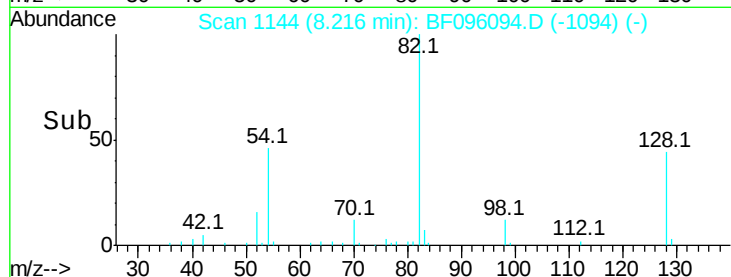
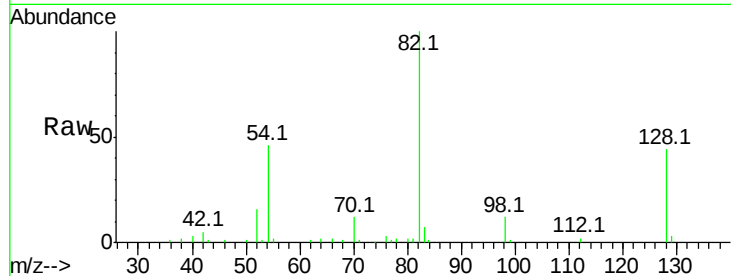
#23
 Nitrobenzene-d5
 Concen: 32.70 ng
 RT: 8.22 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF096094.D
 Acq: 21 Jun 2017 20:23

Instrument :
 BNA_F
 ClientSampleId :
 G21-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.5	34.0	51.0	
54	45.8	42.2	63.2	

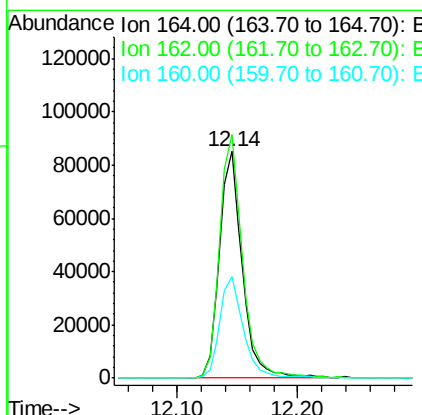
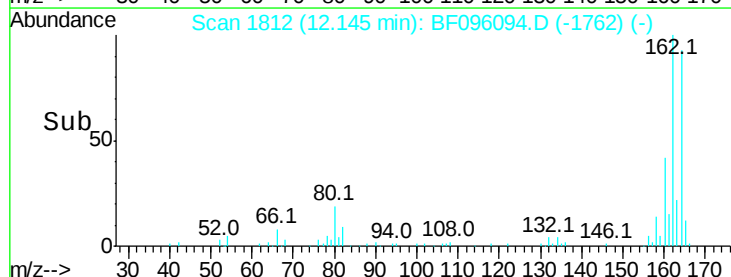
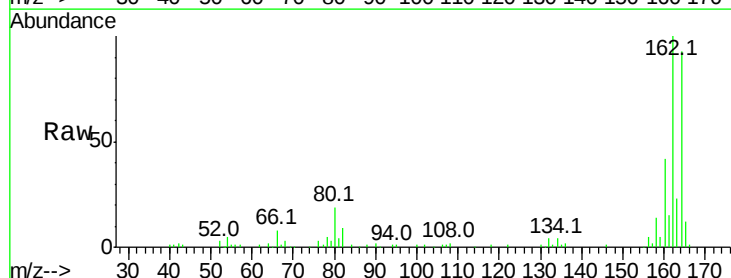
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.14 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF096094.D
 Acq: 21 Jun 2017 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	107.3	82.6	123.8	
160	44.8	36.2	54.2	





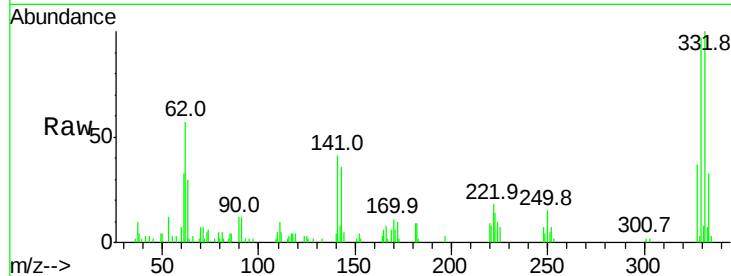
#41
 2,4,6-Tribromophenol
 Concen: 36.32 ng
 RT: 13.45 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF096094.D
 Acq: 21 Jun 2017 20:23

Instrument :
 BNA_F
 ClientSampled :
 G21-0-1.5

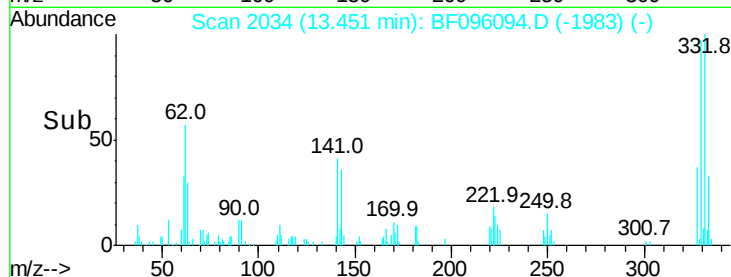
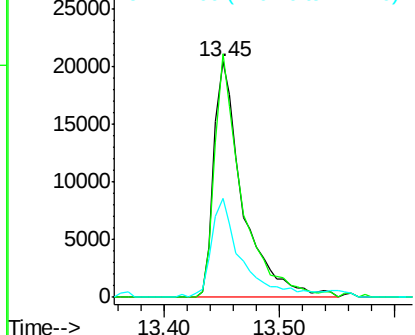
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	115.0
141	43.9	31.4	47.2

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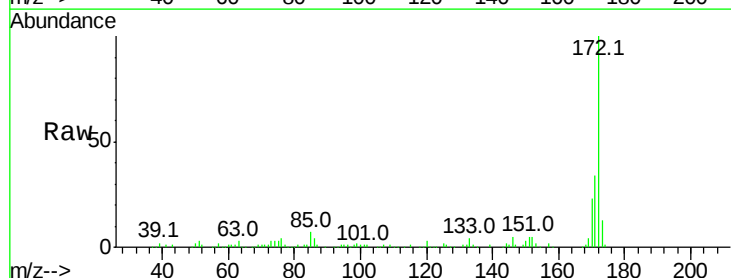


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

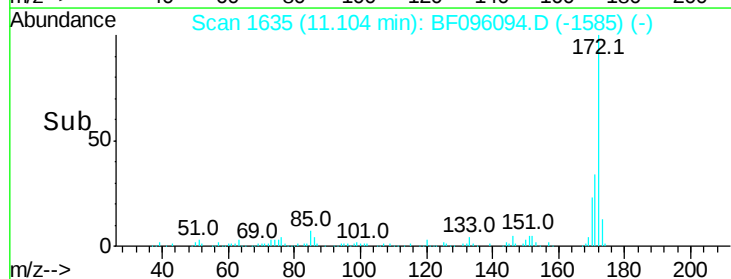
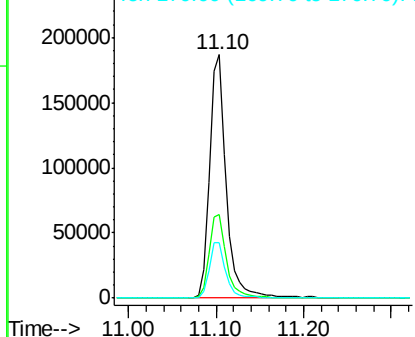


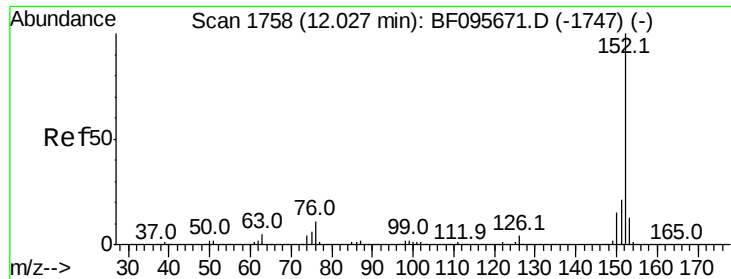
#44
 2-Fluorobiphenyl
 Concen: 30.99 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096094.D
 Acq: 21 Jun 2017 20:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.6	44.4
170	22.6	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





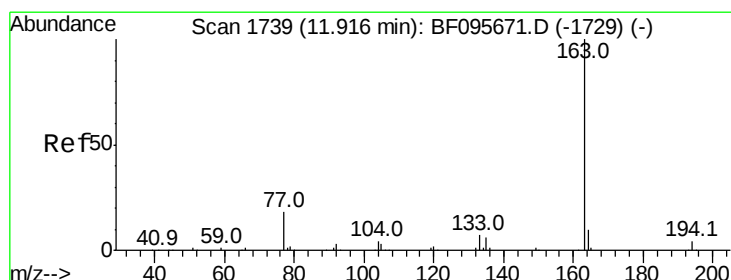
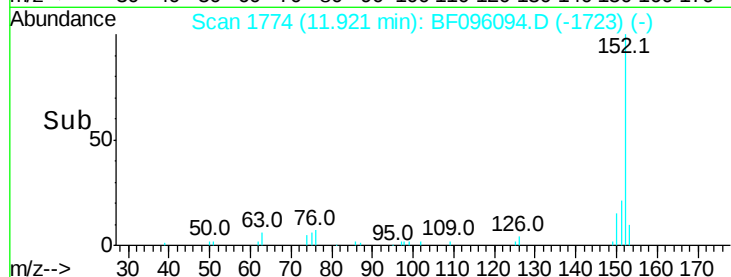
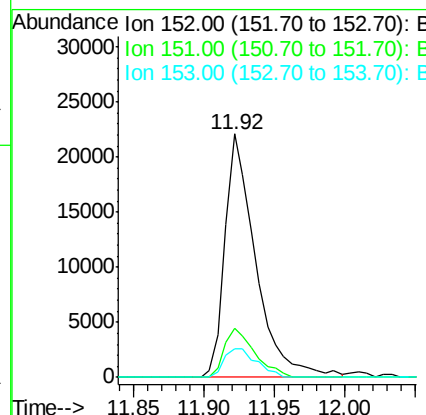
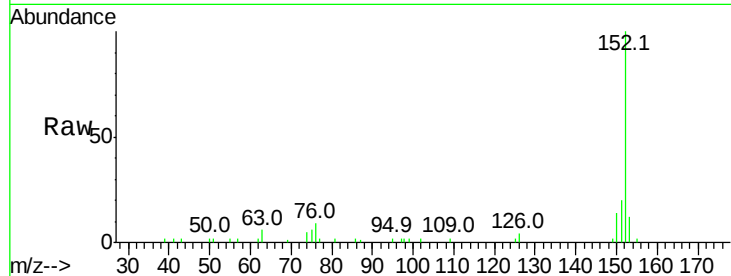
#48
Acenaphthylene
Concen: 2.75 ng
RT: 11.92 min Scan# 1774
Delta R.T. 0.00 min
Lab File: BF096094.D
Acq: 21 Jun 2017 20:23

Instrument :
BNA_F
ClientSampleId :
G21-0-1.5

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.8	25.2
153	11.9	10.8	16.2

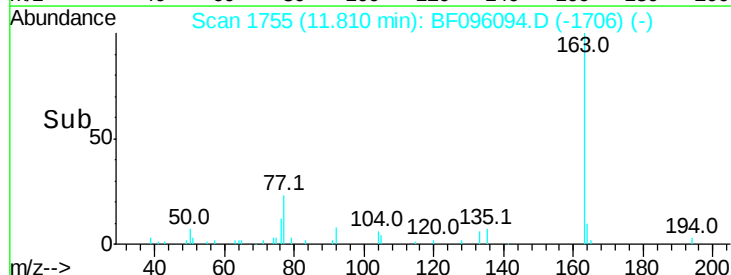
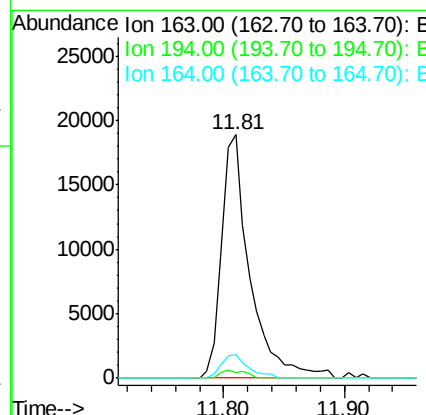
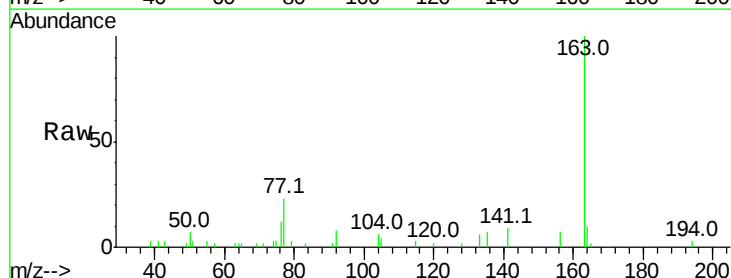
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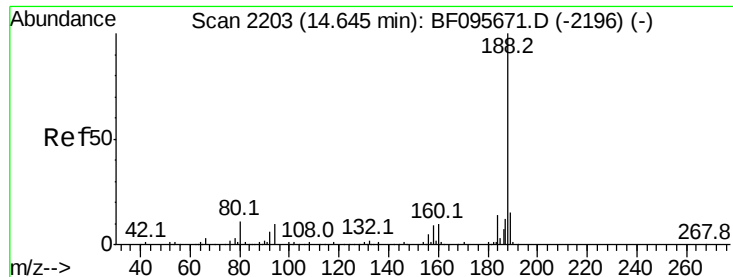
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#49
Dimethylphthalate
Concen: 3.62 ng
RT: 11.81 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF096094.D
Acq: 21 Jun 2017 20:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.5	2.6	4.0#
164	9.9	8.4	12.6





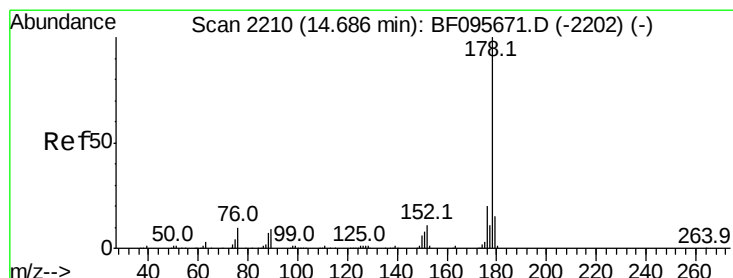
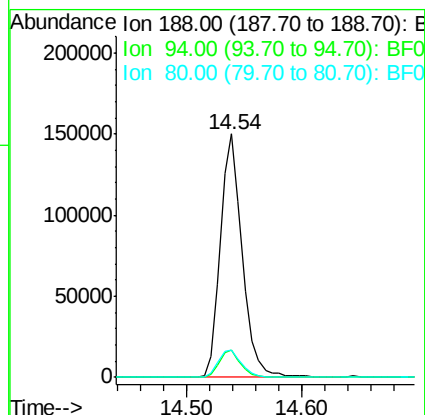
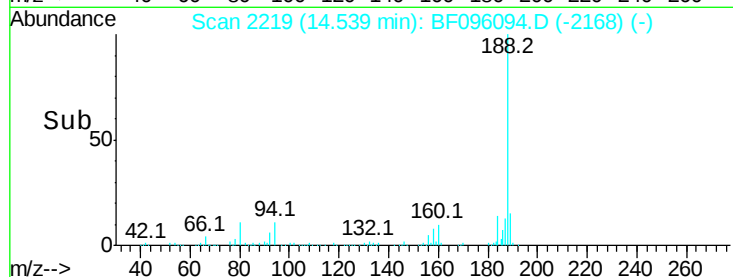
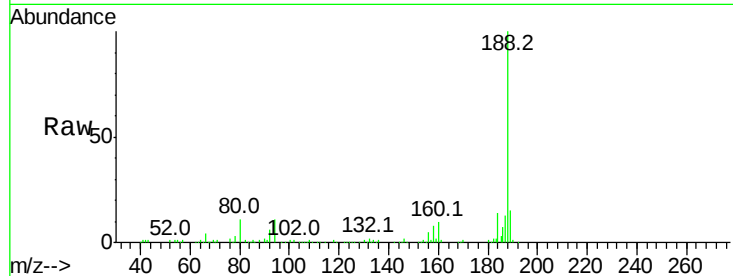
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF096094.D
Acq: 21 Jun 2017 20:23

Instrument :
BNA_F
ClientSampleId :
G21-0-1.5

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.4	9.4	14.2
80	11.4	10.2	15.2

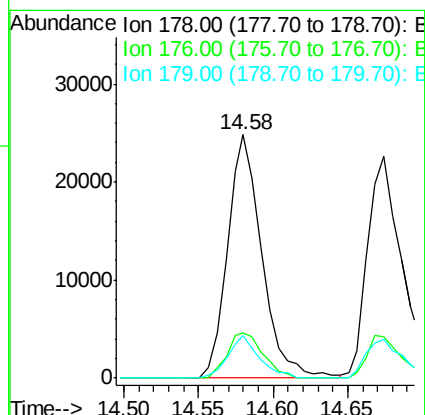
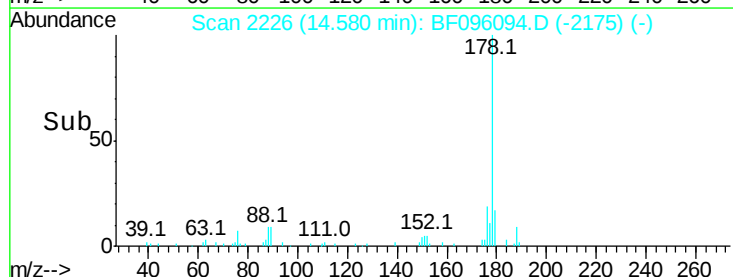
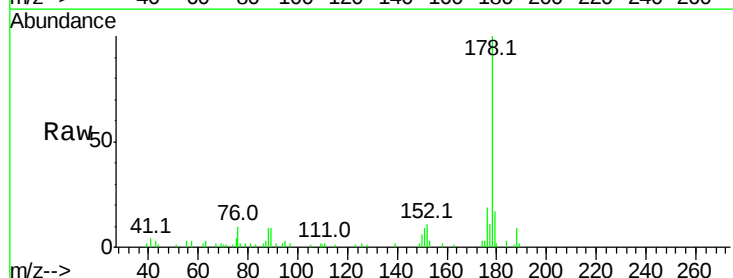
Manual Integrations
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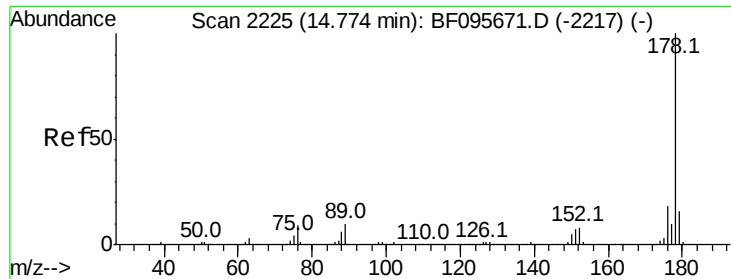
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#70
Phenanthrene
Concen: 3.52 ng
RT: 14.58 min Scan# 2226
Delta R.T. 0.00 min
Lab File: BF096094.D
Acq: 21 Jun 2017 20:23

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	16.2	24.4
179	17.4	12.6	19.0





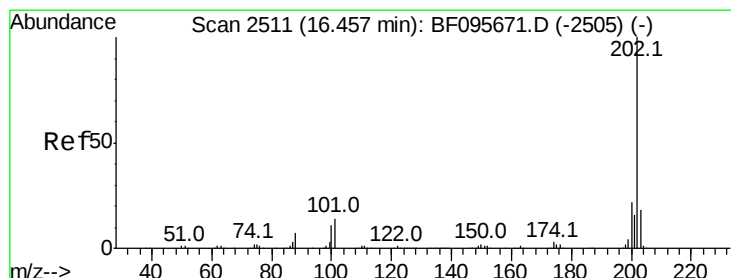
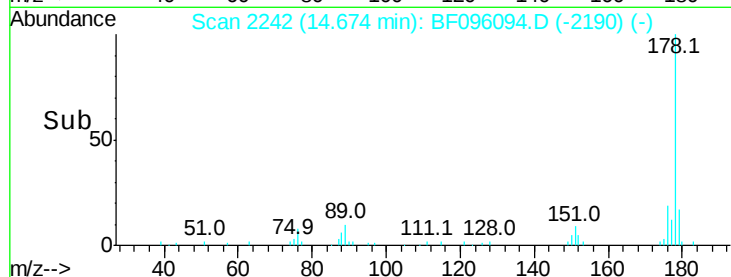
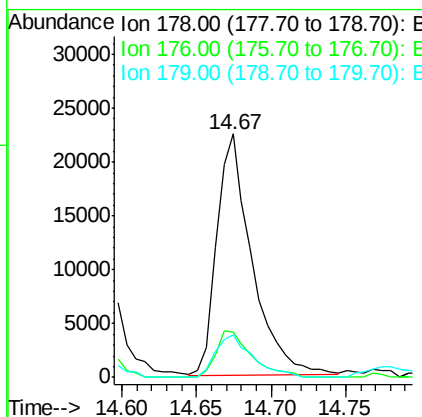
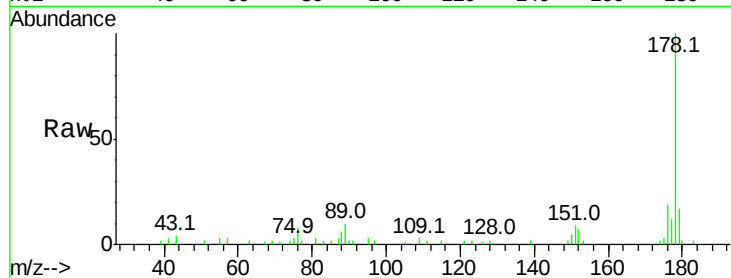
#71
 Anthracene
 Concen: 3.10 ng
 RT: 14.67 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: BF096094.D
 Acq: 21 Jun 2017 20:23

Instrument :
 BNA_F
 ClientSampleId :
 G21-0-1.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	17.5	12.7	19.1

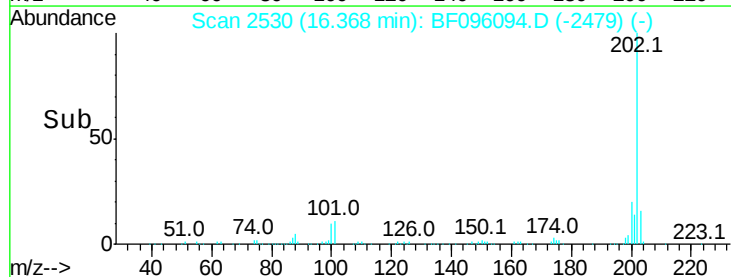
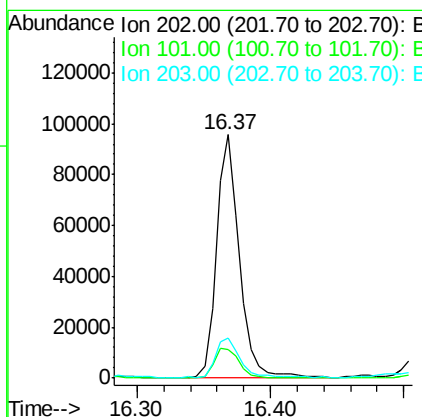
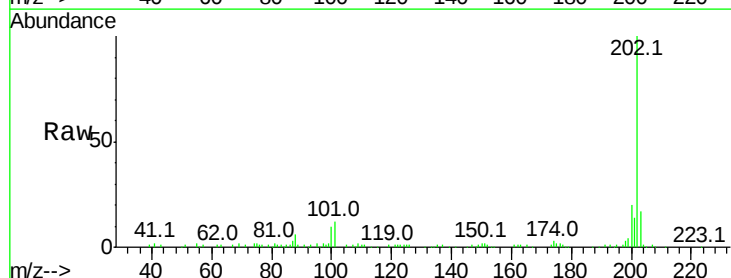
Manual Integrations
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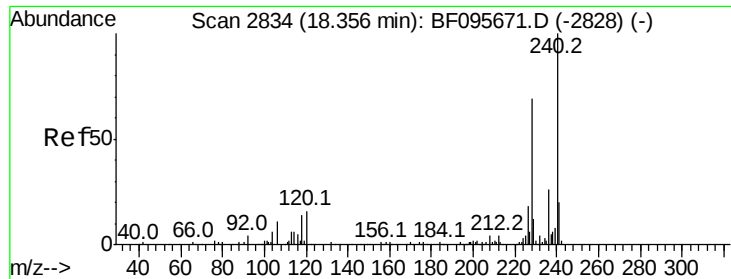
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#74
 Fluoranthene
 Concen: 10.30 ng
 RT: 16.37 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: BF096094.D
 Acq: 21 Jun 2017 20:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	33.2
203	16.7	0.0	38.1





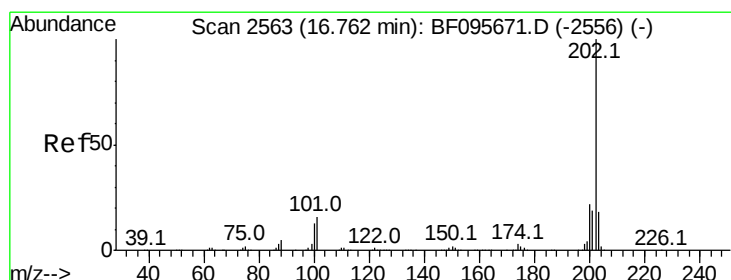
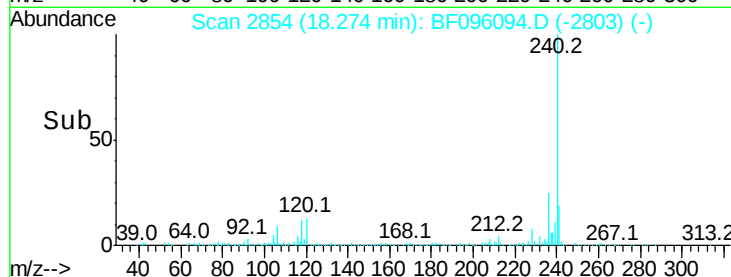
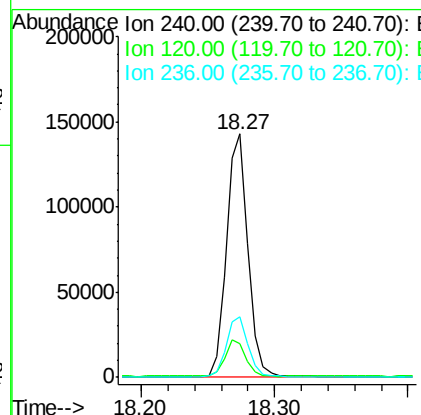
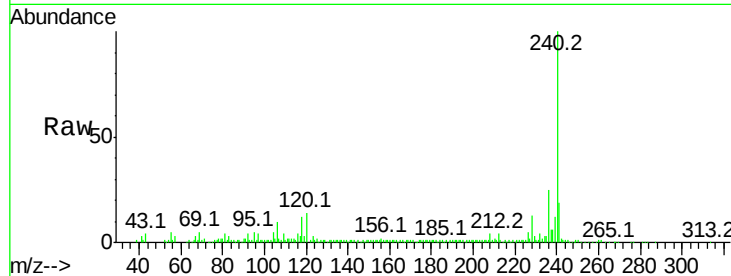
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.27 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BF096094.D
Acq: 21 Jun 2017 20:23

Instrument :
BNA_F
ClientSampleId :
G21-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
240	100	162500		
120	13.9	5.8	8.8#	
236	24.7	20.5	30.7	

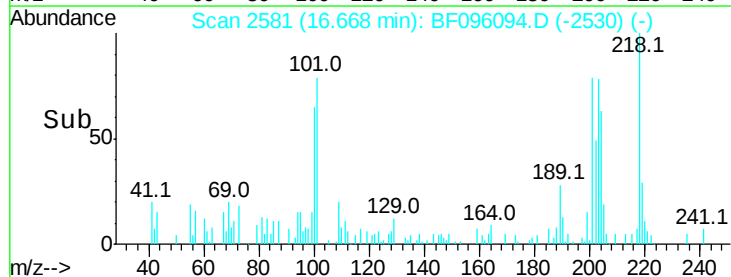
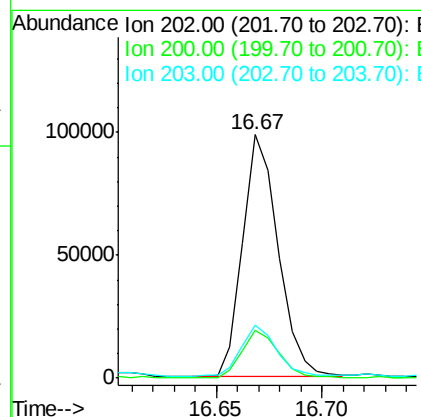
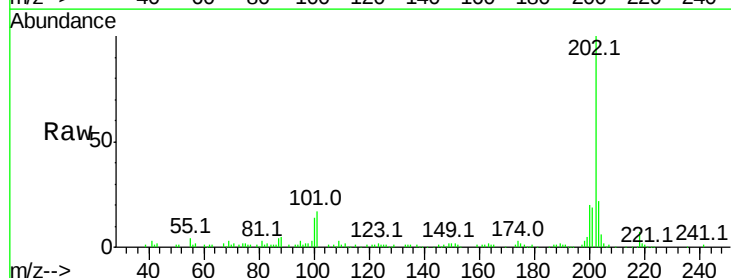
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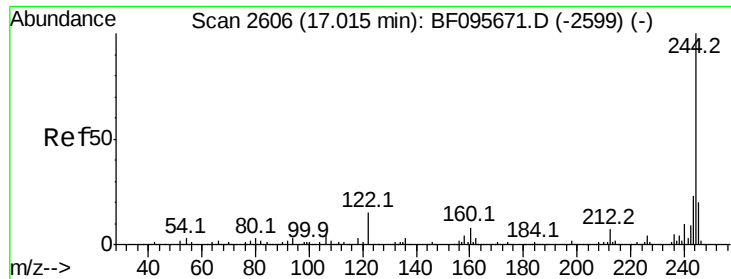
mohammad
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#77
Pyrene
Concen: 9.54 ng
RT: 16.67 min Scan# 2581
Delta R.T. 0.00 min
Lab File: BF096094.D
Acq: 21 Jun 2017 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	115648		
200	19.6	17.6	26.4	
203	21.5	14.4	21.6	





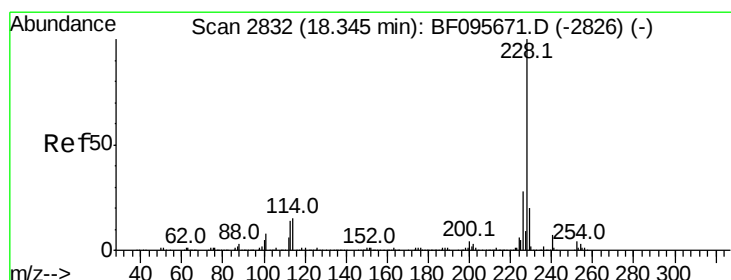
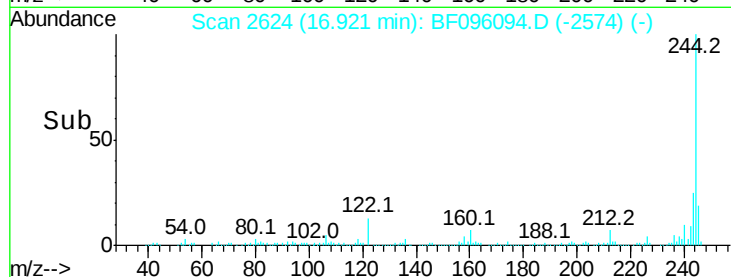
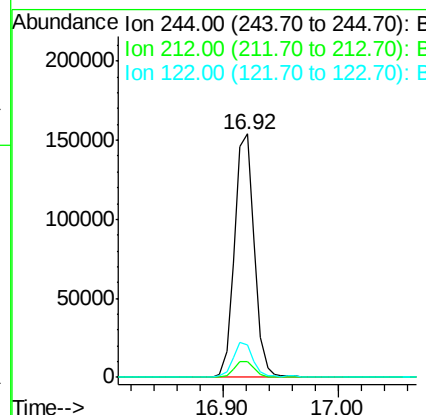
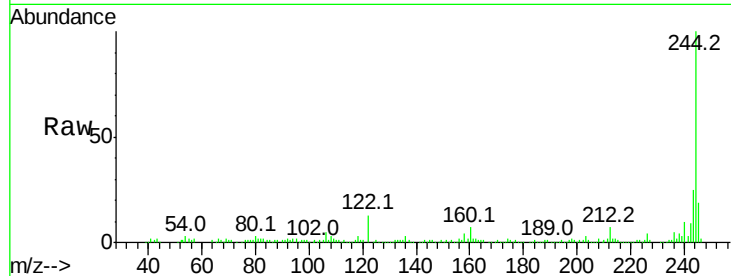
#78
 Terphenyl-d14
 Concen: 27.77 ng
 RT: 16.92 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: BF096094.D
 Acq: 21 Jun 2017 20:23

Instrument :
 BNA_F
 ClientSampleId :
 G21-0-1.5

Tot Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.7	6.0	9.0
122	13.5	10.3	15.5

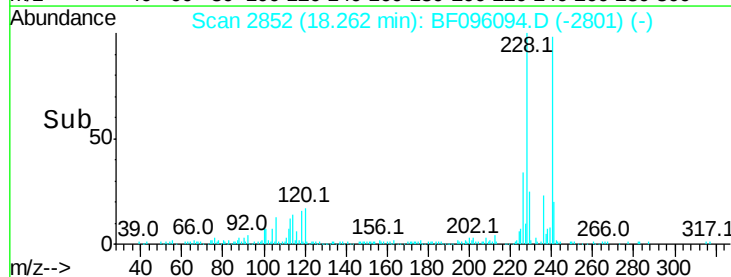
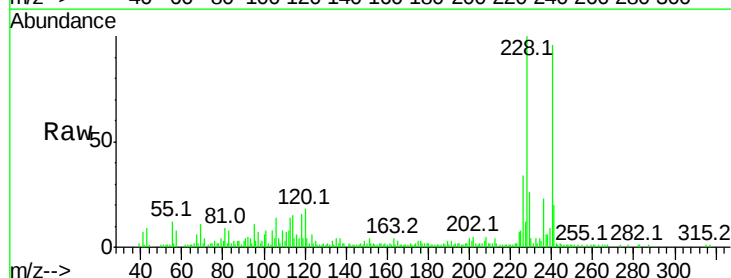
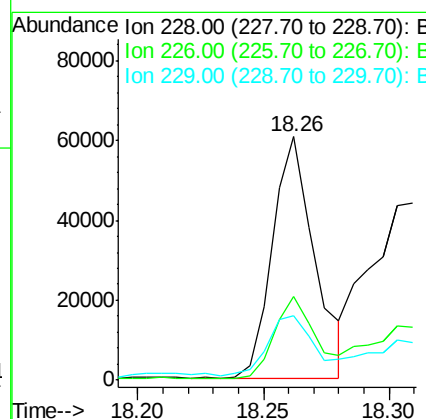
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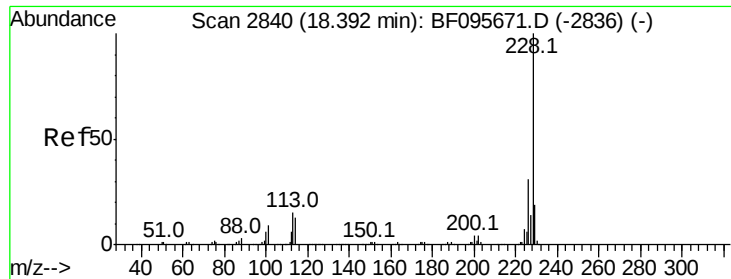
mohammad
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#80
 Benzo(a)anthracene
 Concen: 7.48 ng m
 RT: 18.26 min Scan# 2852
 Delta R.T. 0.00 min
 Lab File: BF096094.D
 Acq: 21 Jun 2017 20:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	34.3	22.6	33.8#
229	26.5	16.3	24.5#





#82

Chrysene

Concen: 8.05 ng

RT: 18.31 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BF096094.D

Acq: 21 Jun 2017 20:23

Instrument :

BNA_F

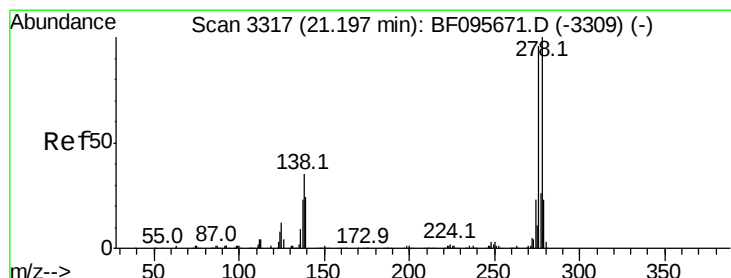
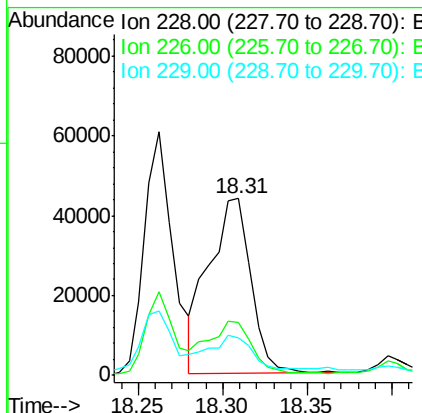
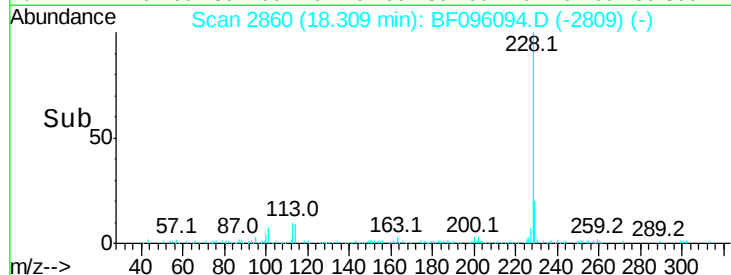
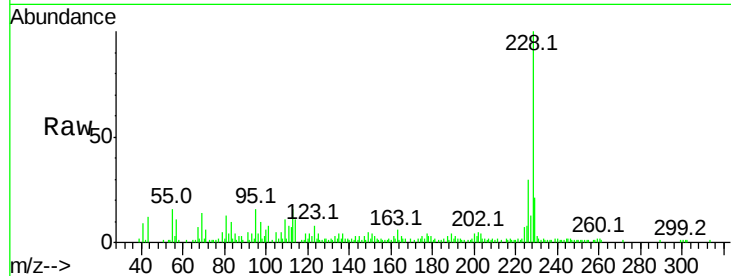
ClientSampleId :

G21-0-1.5

Tot Ion:	228	Resp:	76031
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.9	37.3
229	21.2	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.46 ng

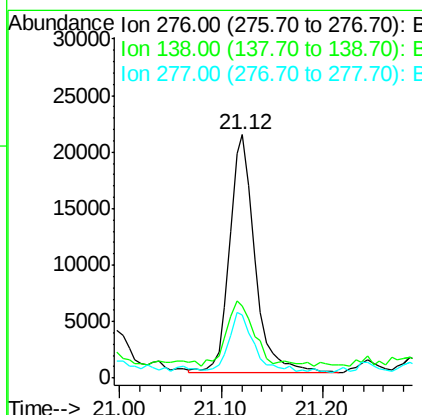
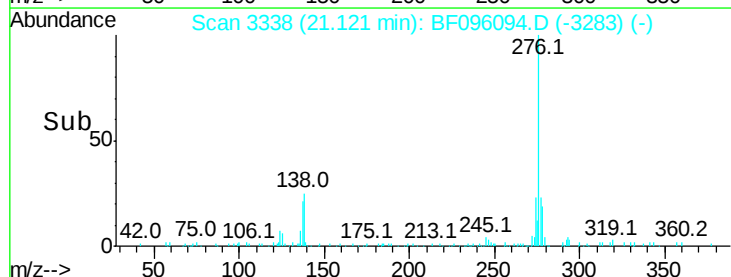
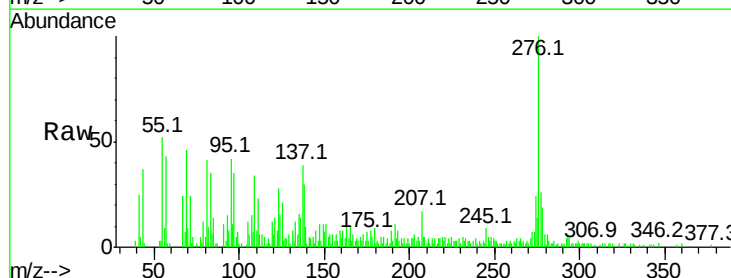
RT: 21.12 min Scan# 3338

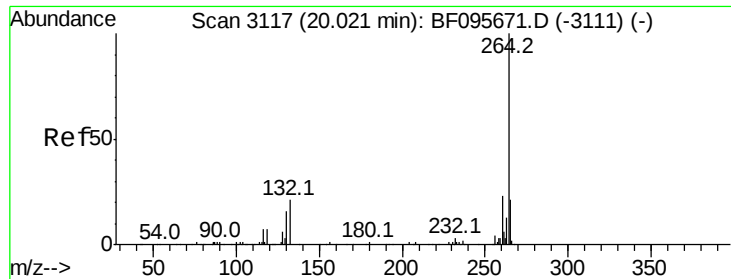
Delta R.T. 0.02 min

Lab File: BF096094.D

Acq: 21 Jun 2017 20:23

Tgt Ion:	276	Resp:	35992
Ion Ratio	Lower	Upper	
276	100		
138	29.0	27.8	41.6
277	26.0	20.2	30.4





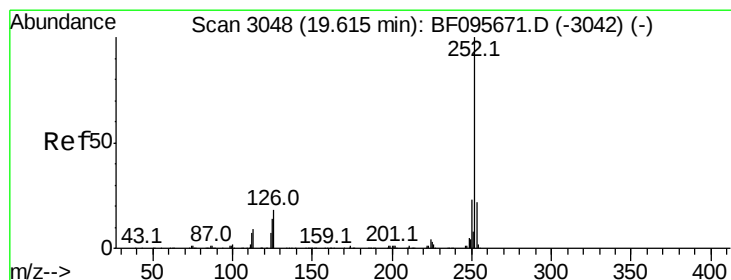
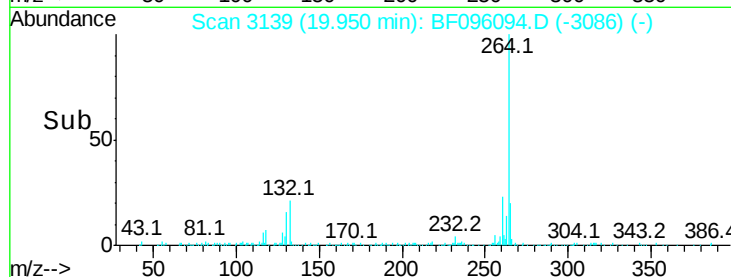
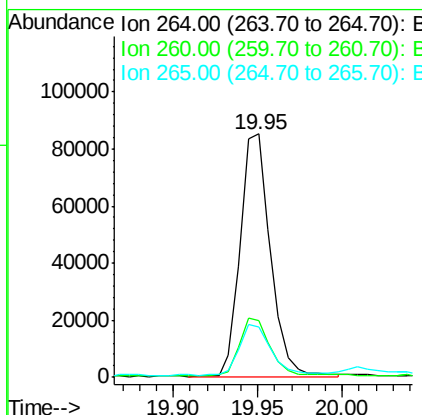
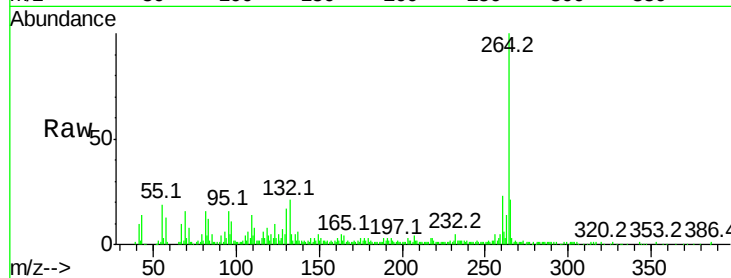
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.95 min Scan# 3139
Delta R.T. 0.01 min
Lab File: BF096094.D
Acq: 21 Jun 2017 20:23

Instrument :
BNA_F
ClientSampleId :
G21-0-1.5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	20.9	17.2	25.8

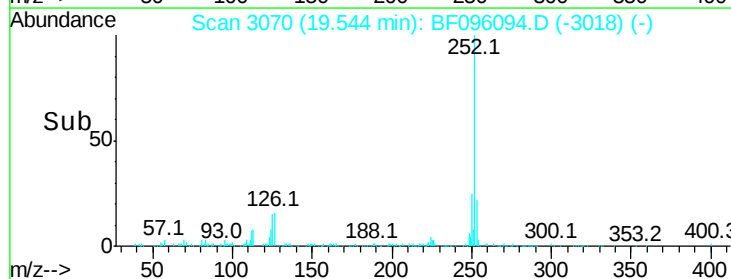
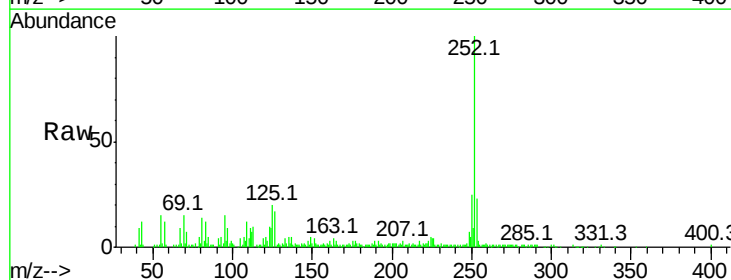
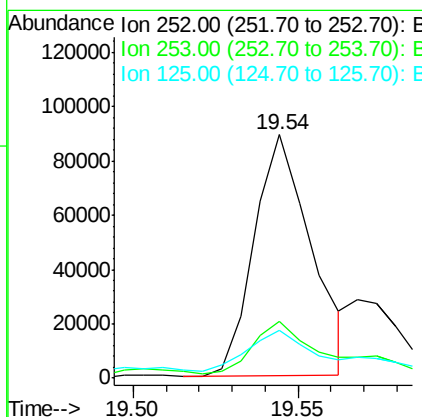
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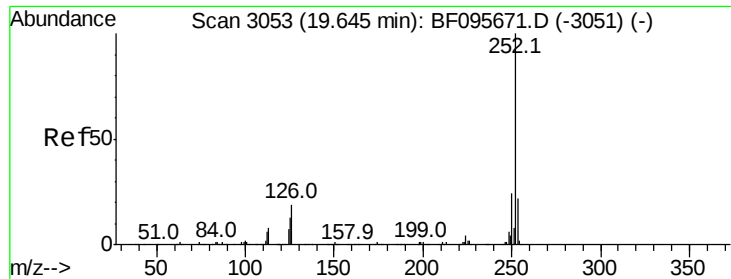
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#87
Benzo(b)fluoranthene
Concen: 16.08 ng m
RT: 19.54 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BF096094.D
Acq: 21 Jun 2017 20:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	19.7	9.8	14.8





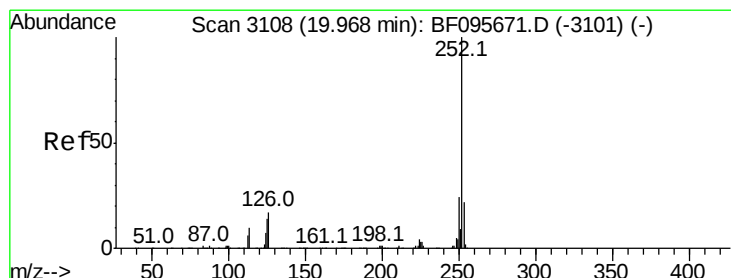
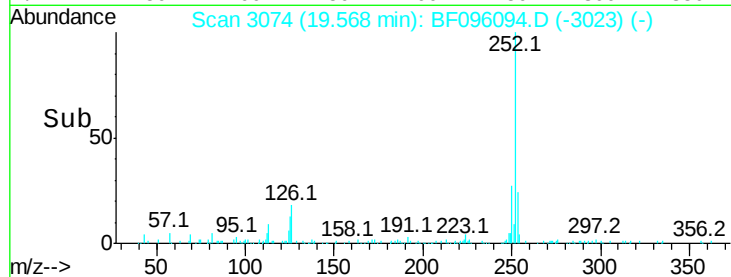
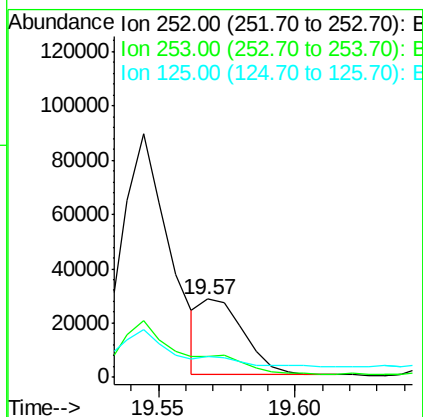
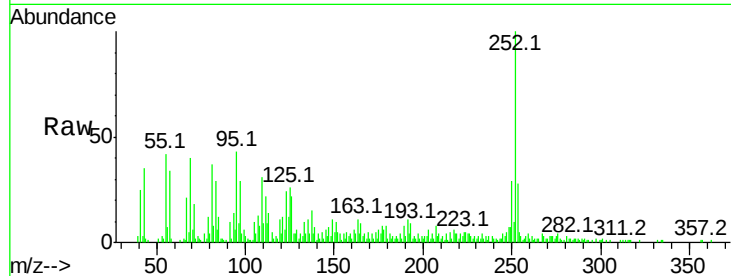
#88
Benzo(k)fluoranthene
Concen: 4.73 ng m
RT: 19.57 min Scan# 3074
Delta R.T. 0.00 min
Lab File: BF096094.D
Acq: 21 Jun 2017 20:23

Instrument :
BNA_F
ClientSampleId :
G21-0-1.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.4	27.6
125	26.3	13.1	19.7

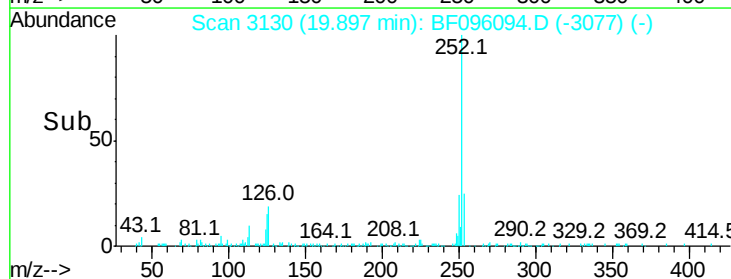
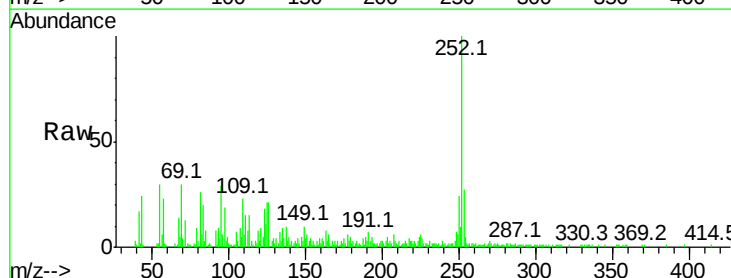
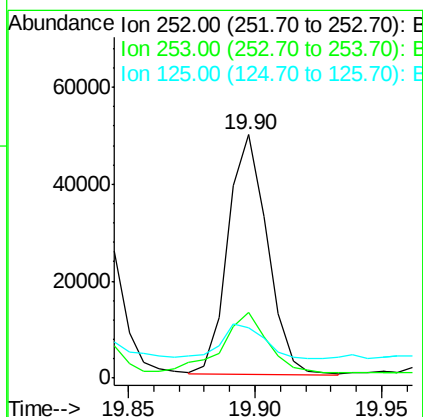
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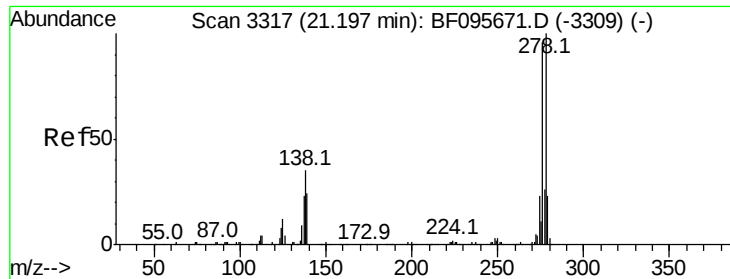
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#89
Benzo(a)pyrene
Concen: 8.76 ng
RT: 19.90 min Scan# 3130
Delta R.T. 0.01 min
Lab File: BF096094.D
Acq: 21 Jun 2017 20:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.5	26.3
125	20.7	11.0	16.4





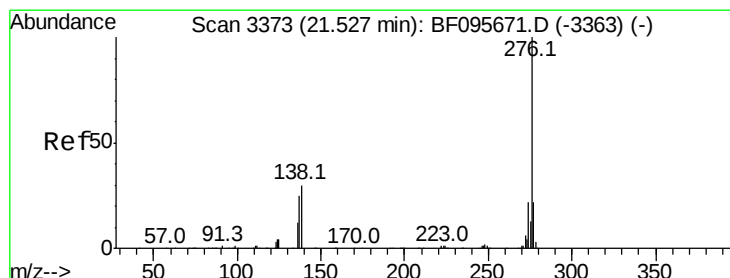
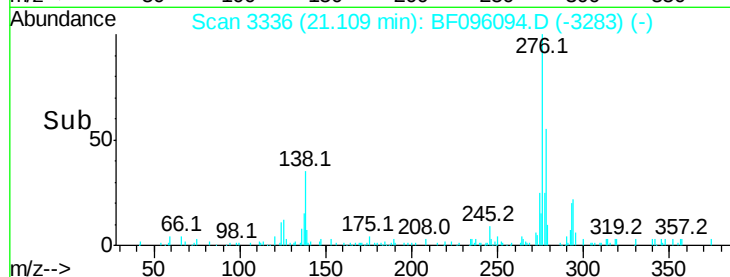
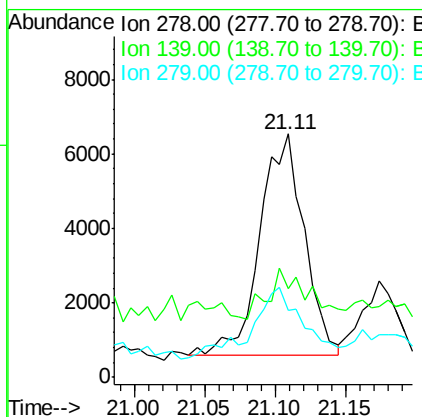
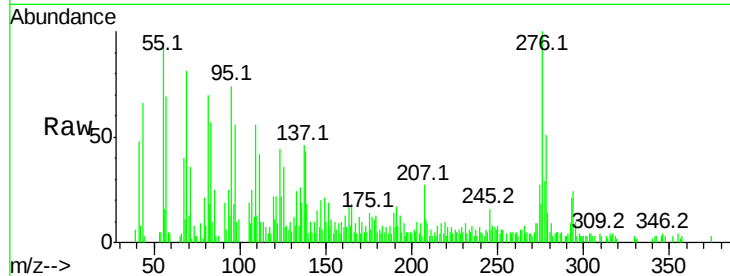
#90
Dibenzo(a,h)anthracene
Concen: 2.53 ng
RT: 21.11 min Scan# 3336
Delta R.T. 0.01 min
Lab File: BF096094.D
Acq: 21 Jun 2017 20:23

Instrument :
BNA_F
ClientSampleId :
G21-0-1.5

Tot Ion	Ratio	Lower	Upper
278	100		
139	36.4	16.6	24.8#
279	27.4	19.3	28.9

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.70 ng
RT: 21.45 min Scan# 3394
Delta R.T. 0.03 min
Lab File: BF096094.D
Acq: 21 Jun 2017 20:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.6	28.0
138	32.8	25.4	38.0

