

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096097.D
 Acq On : 21 Jun 2017 22:00
 Operator : SJ/MA
 Sample : I3736-03 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G22-0-1.5

Manual Integrations
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 6/22/2017 6:02:34 PM

Quant Time: Jun 22 02:01:01 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	71828	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	283933	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	121499	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	190708	20.00	ng	0.00
75) Chrysene-d12	18.27	240	140753	20.00	ng	0.00
86) Perylene-d12	19.94	264	110565	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	72884	16.17	ng	0.05
7) Phenol-d6	6.92	99	104761	19.41	ng	0.04
23) Nitrobenzene-d5	8.23	82	57726	12.63	ng	0.01
41) 2,4,6-Tribromophenol	13.46	330	11557	10.75	ng	0.01
44) 2-Fluorobiphenyl	11.10	172	136202	15.60	ng	0.00
78) Terphenyl-d14	16.92	244	87898	15.50	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	14.57	178	163106	14.82	ng	98
71) Anthracene	14.67	178	57492	5.00	ng	99
74) Fluoranthene	16.37	202	310341	28.50	ng	98
77) Pyrene	16.67	202	273108	26.00	ng	96
80) Benzo(a)anthracene	18.26	228	175441	21.44	ng	97
82) Chrysene	18.30	228	163438	19.98	ng	98
83) Bis(2-ethylhexyl)phthalate	18.34	149	16067	2.48	ng	# 91
85) Indeno(1,2,3-cd)pyrene	21.11	276	50274	7.18	ng	93
87) Benzo(b)fluoranthene	19.54	252	160636m	23.20	ng	
88) Benzo(k)fluoranthene	19.57	252	42415m	6.41	ng	
89) Benzo(a)pyrene	19.89	252	95872	15.07	ng	97
90) Dibenzo(a,h)anthracene	21.10	278	16134	2.99	ng	# 86
91) Benzo(a,h,i)perylene	21.44	276	42383	7.70	ng	# 94

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

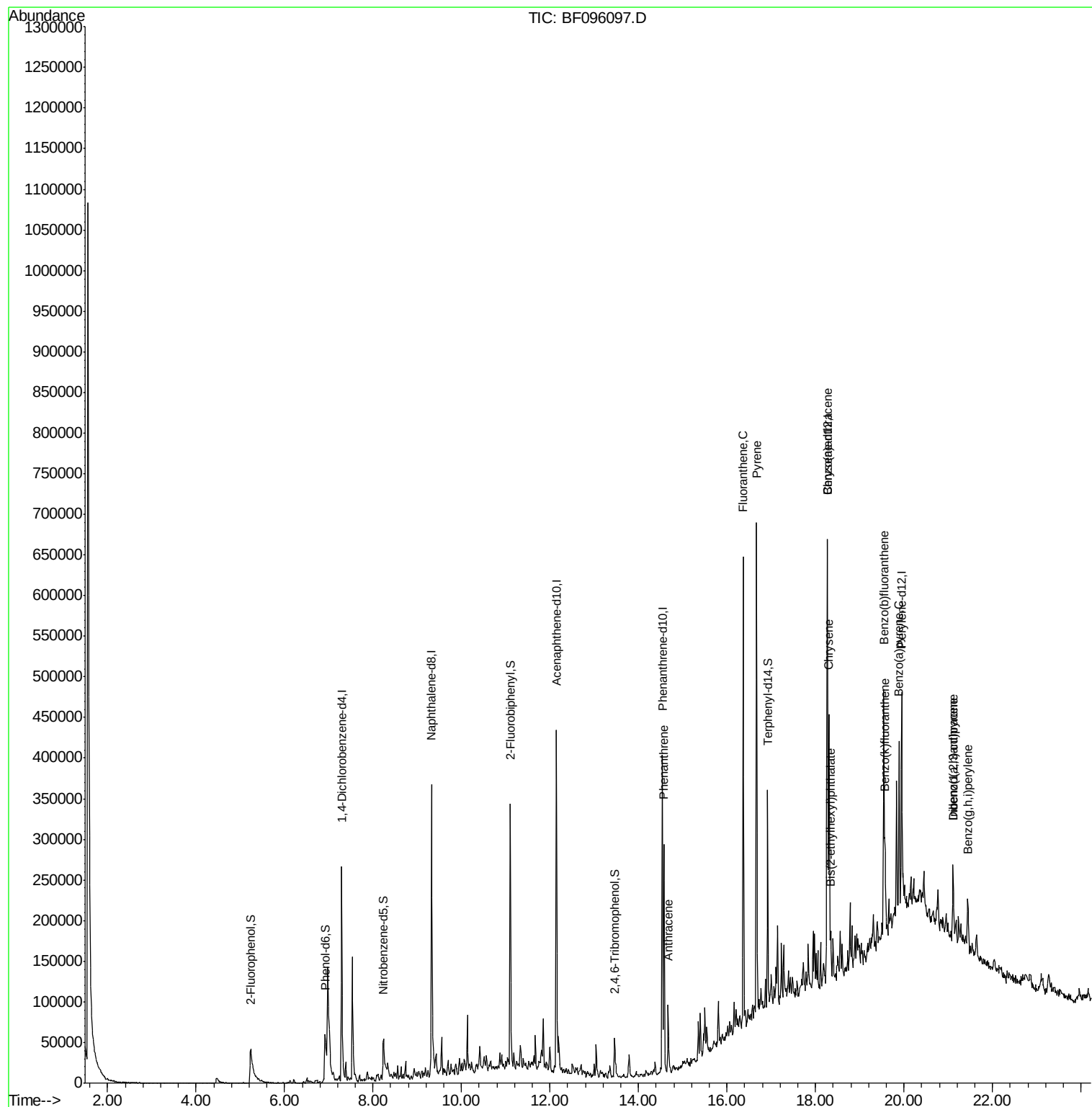
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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ALS Vial : 18 Sample Multiplier: 1

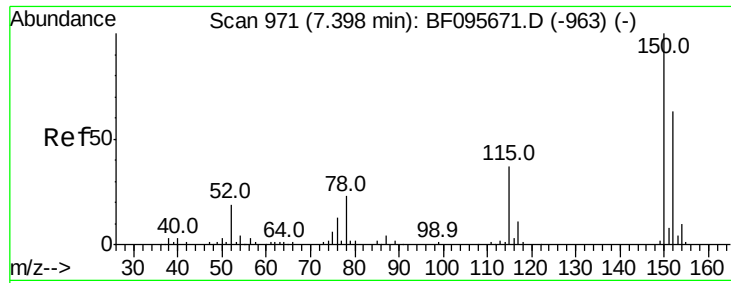
Instrument :
BNA_F
ClientSampleId :
G22-0-1.5

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Quant Time: Jun 22 02:01:01 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
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#1

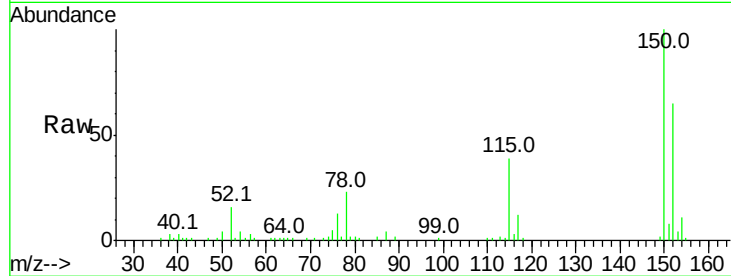
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096097.D
Acq: 21 Jun 2017 22:00

Instrument :
BNA_F
ClientSampled :
G22-0-1.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	126.2	189.2
115	60.2	52.2	78.2

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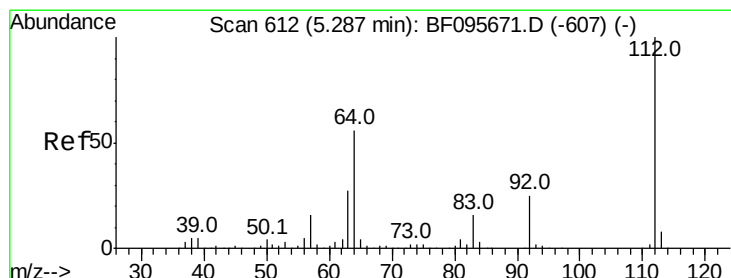
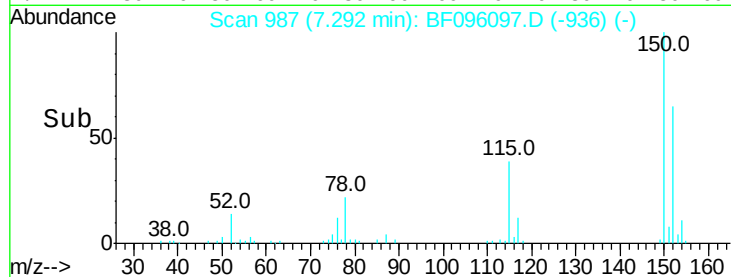
Abundance

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

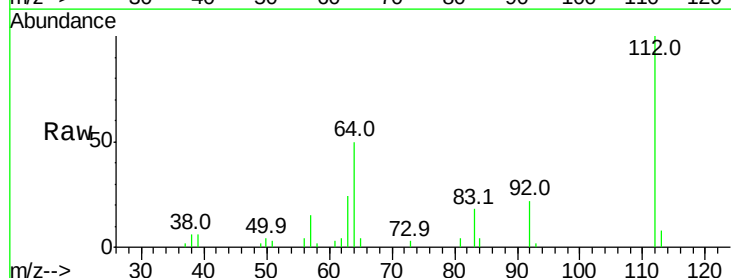
Time-->



#5

2-Fluorophenol
Concen: 16.17 ng
RT: 5.23 min Scan# 637
Delta R.T. 0.05 min
Lab File: BF096097.D
Acq: 21 Jun 2017 22:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.9	46.0	69.0
63	24.2	23.4	35.0



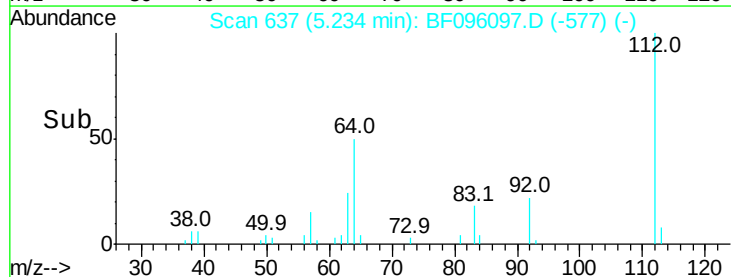
Abundance

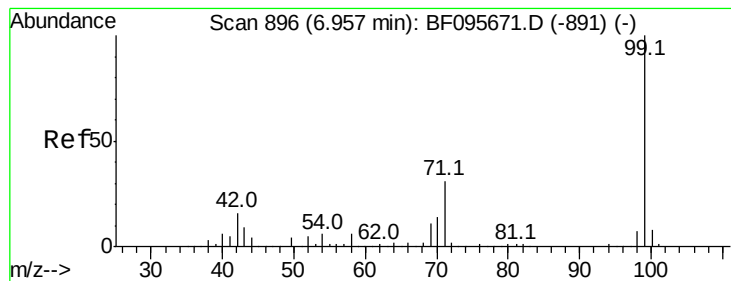
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 19.41 ng

RT: 6.92 min Scan# 923

Delta R.T. 0.04 min

Lab File: BF096097.D

Acq: 21 Jun 2017 22:00

Instrument :

BNA_F

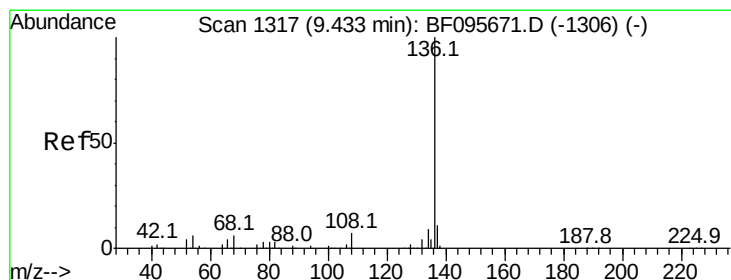
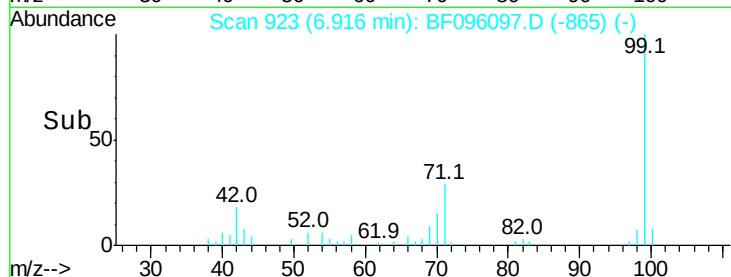
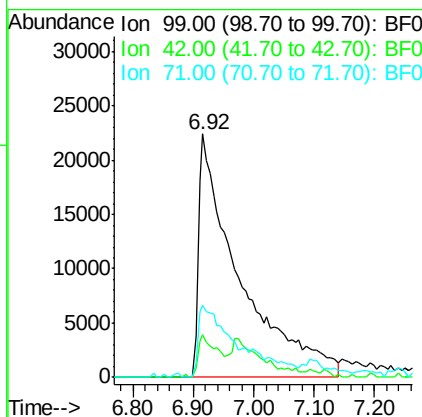
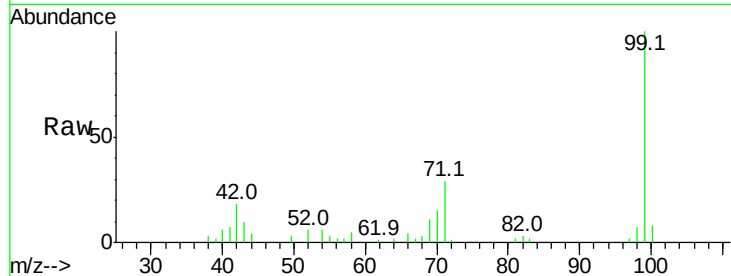
ClientSampleId :

G22-0-1.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		104761		
42	17.7	13.5	20.3		
71	29.4	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

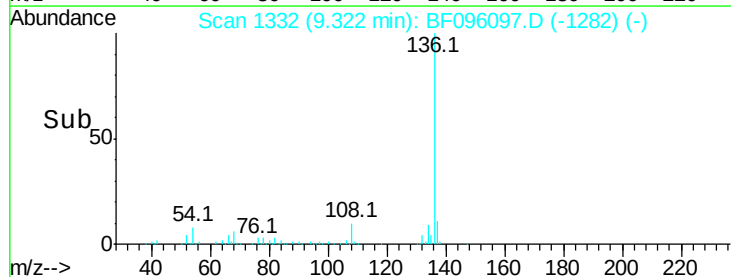
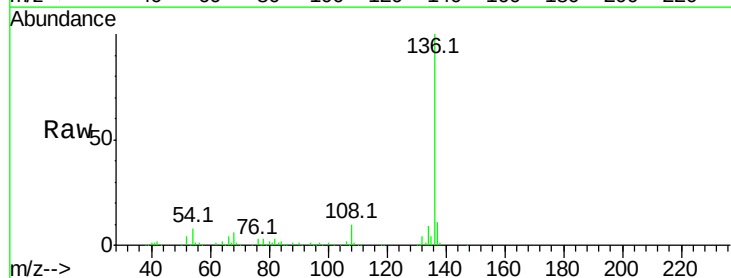
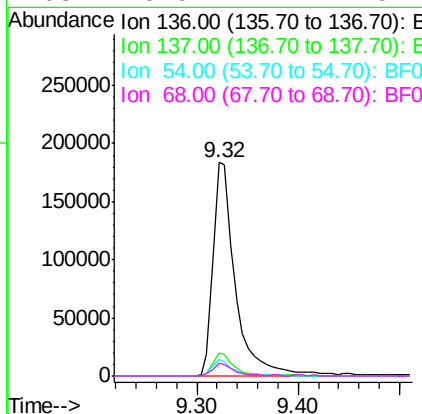
RT: 9.32 min Scan# 1332

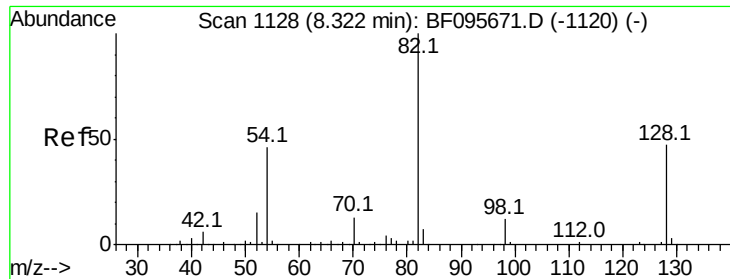
Delta R.T. -0.01 min

Lab File: BF096097.D

Acq: 21 Jun 2017 22:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		283933		
137	10.7	8.5	12.7		
54	7.7	4.9	7.3#		
68	6.0	4.1	6.1		





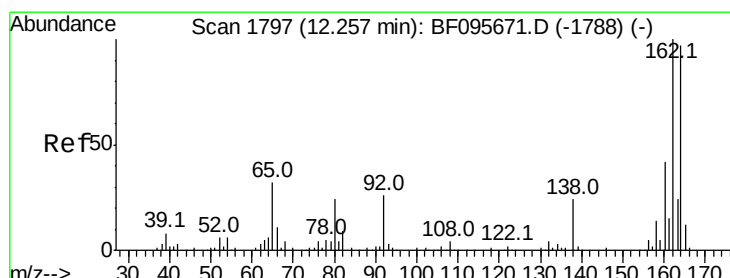
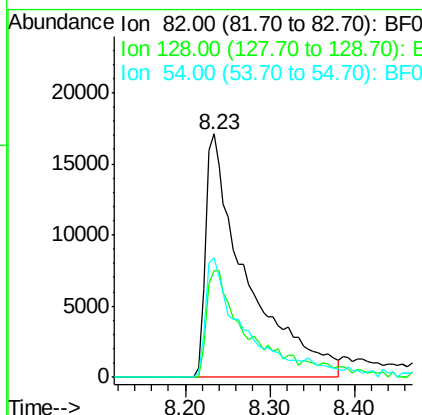
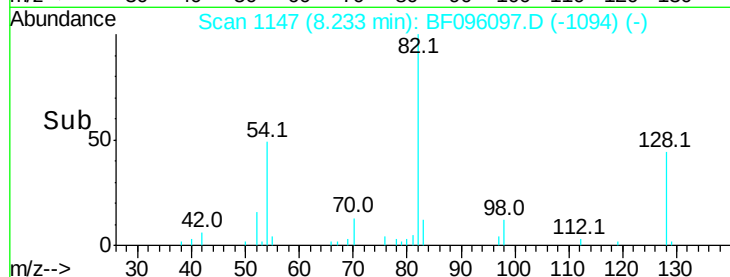
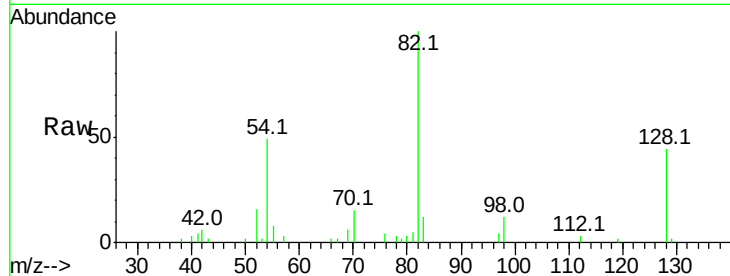
#23
 Nitrobenzene-d5
 Concen: 12.63 ng
 RT: 8.23 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: BF096097.D
 Acq: 21 Jun 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 G22-0-1.5

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.0	51.0
54	49.3	42.2	63.2

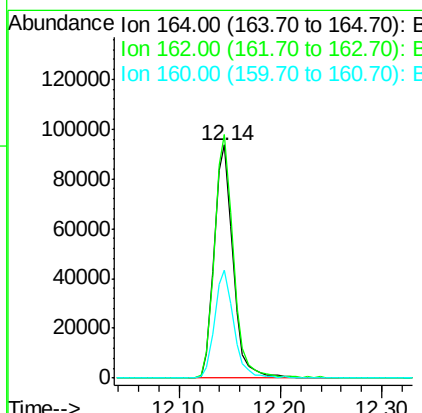
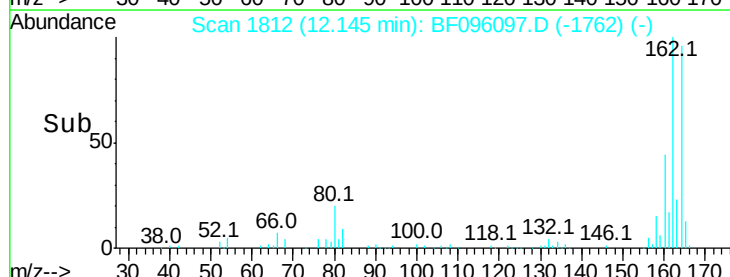
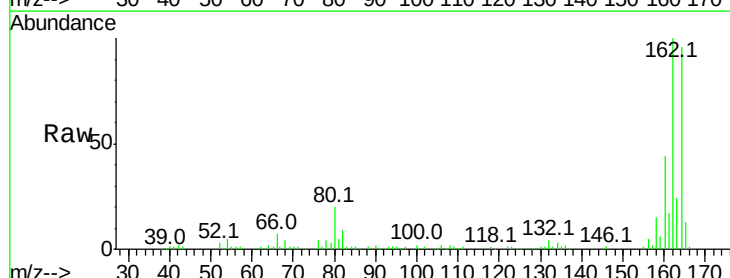
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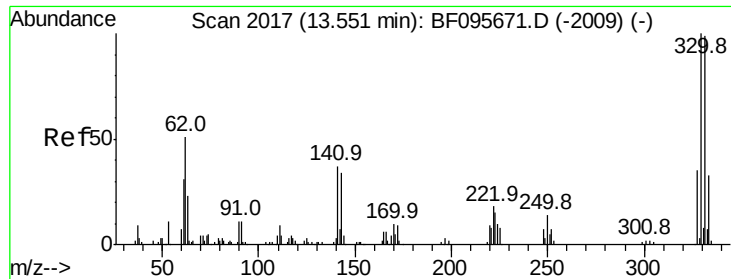
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.14 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF096097.D
 Acq: 21 Jun 2017 22:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	46.4	36.2	54.2





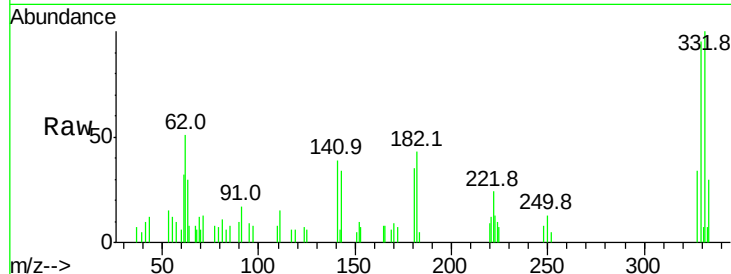
#41
 2,4,6-Tribromophenol
 Concen: 10.75 ng
 RT: 13.46 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: BF096097.D
 Acq: 21 Jun 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 G22-0-1.5

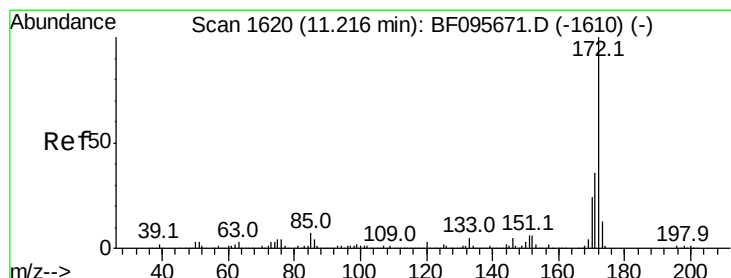
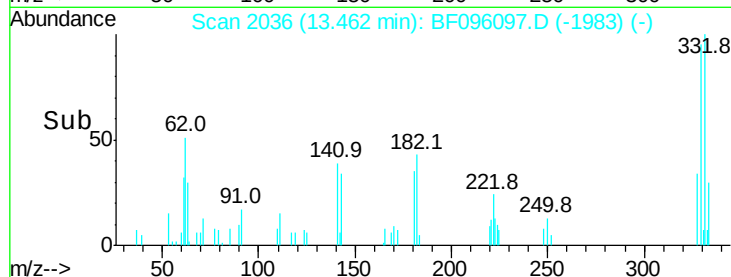
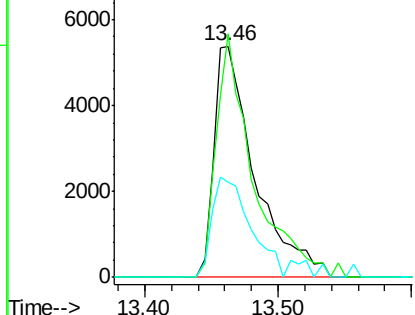
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	40.6	31.4	47.2

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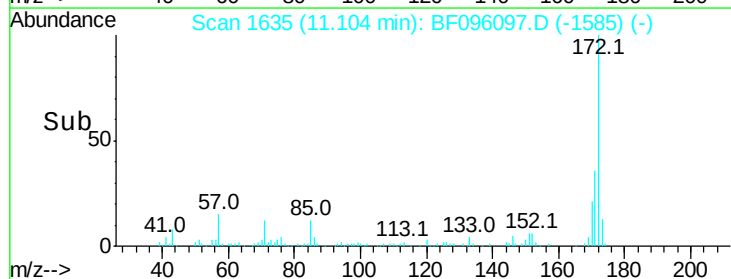
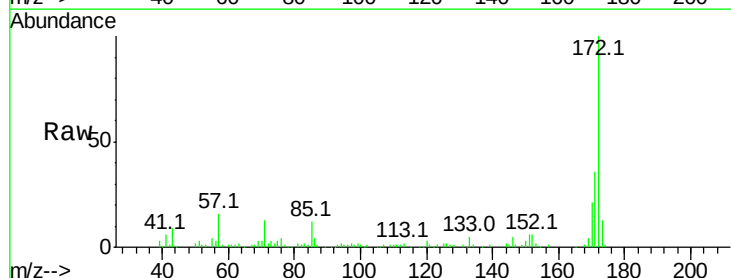
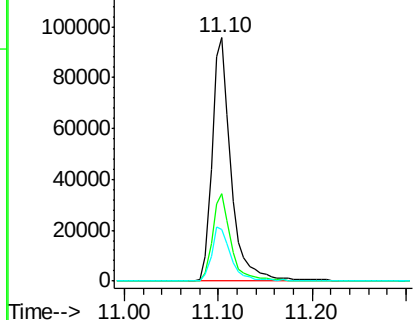
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

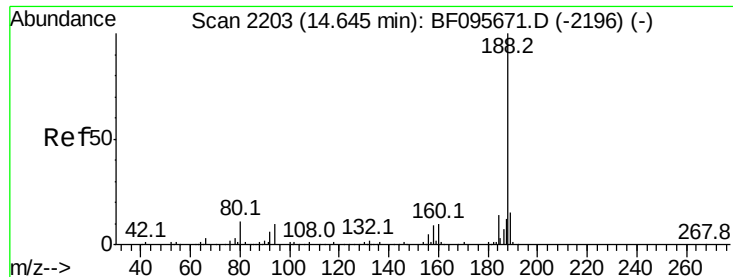


#44
 2-Fluorobiphenyl
 Concen: 15.60 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096097.D
 Acq: 21 Jun 2017 22:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	21.3	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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.54 min Scan# 2219

Delta R.T. 0.00 min

Lab File: BF096097.D

Acq: 21 Jun 2017 22:00

Instrument :

BNA_F

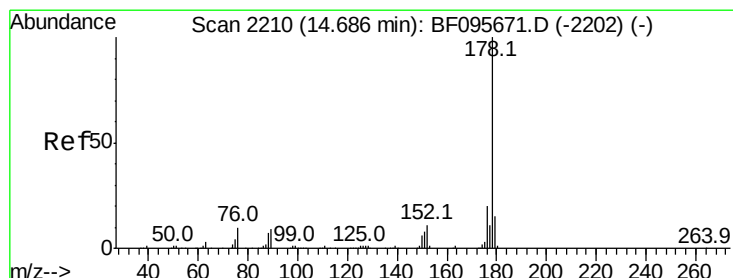
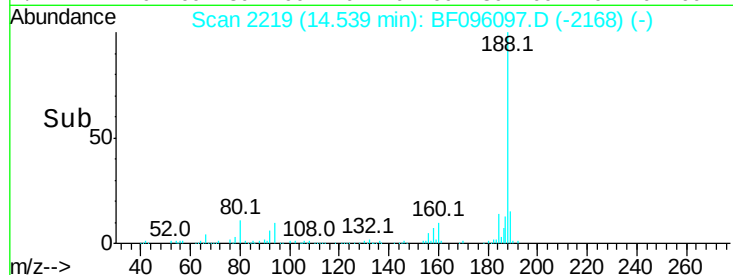
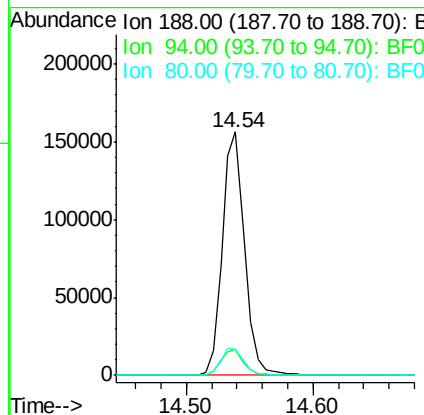
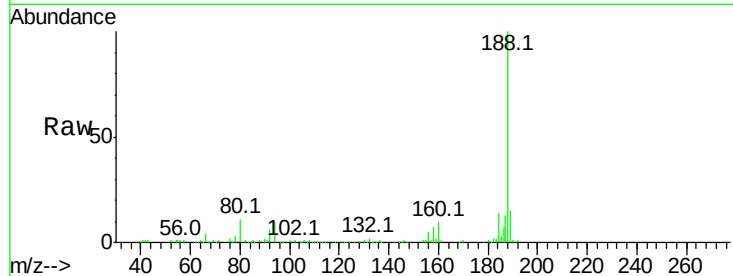
ClientSampleId :

G22-0-1.5

Tot Ion:	188	Resp:	190708
Ion Ratio	Lower	Upper	
188	100		
94	10.5	9.4	14.2
80	10.9	10.2	15.2

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#70

Phenanthrene

Concen: 14.82 ng

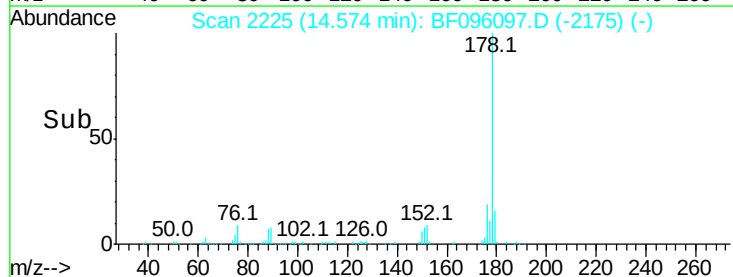
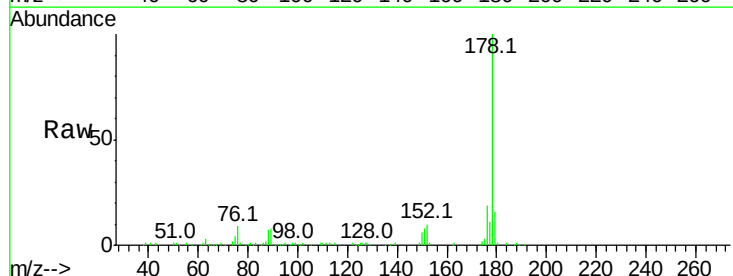
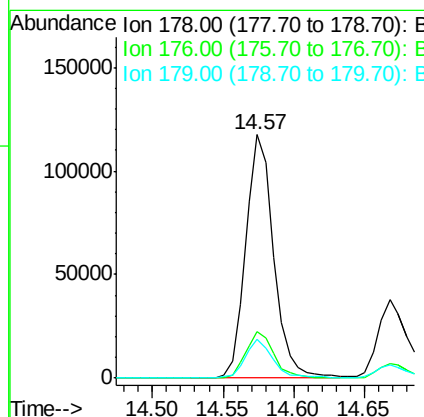
RT: 14.57 min Scan# 2225

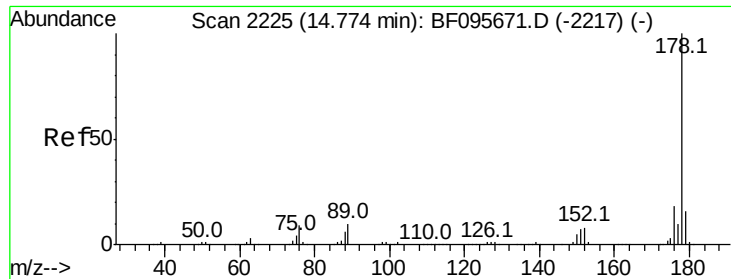
Delta R.T. -0.01 min

Lab File: BF096097.D

Acq: 21 Jun 2017 22:00

Tgt Ion:	178	Resp:	163106
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.4
179	16.1	12.6	19.0





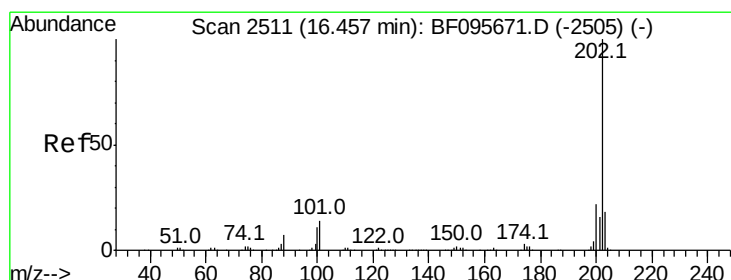
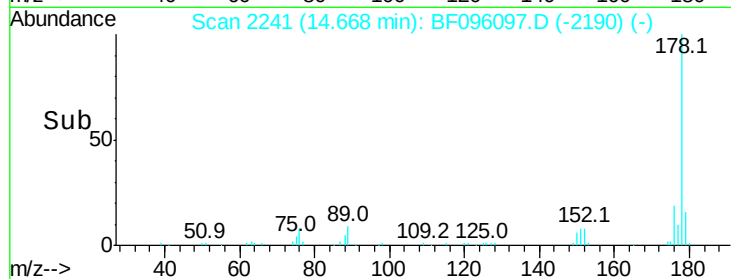
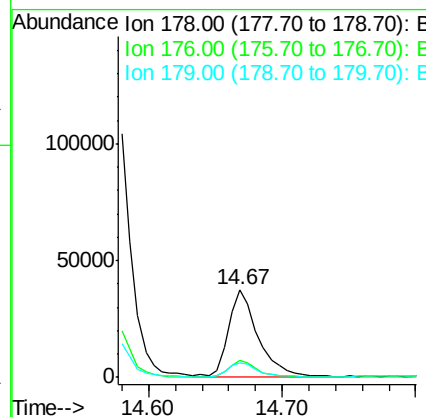
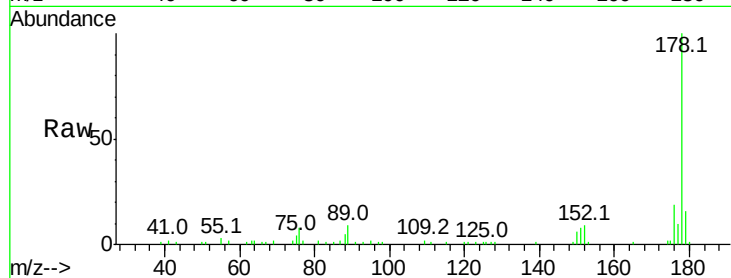
#71
 Anthracene
 Concen: 5.00 ng
 RT: 14.67 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: BF096097.D
 Acq: 21 Jun 2017 22:00

Instrument :
 BNA_F
 ClientSampled :
 G22-0-1.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	16.3	12.7	19.1

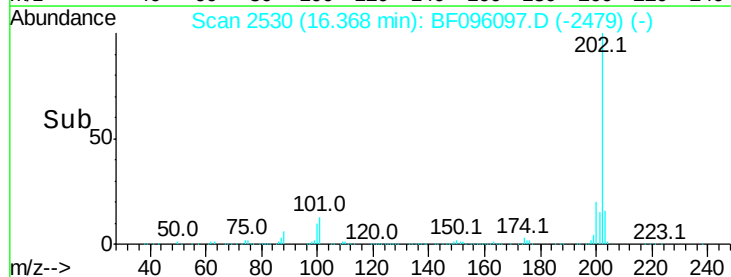
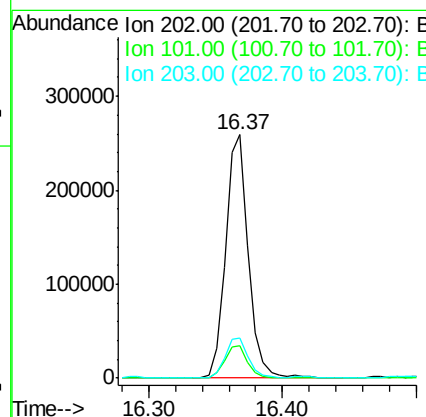
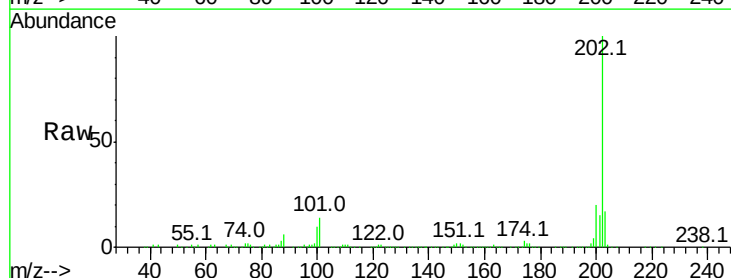
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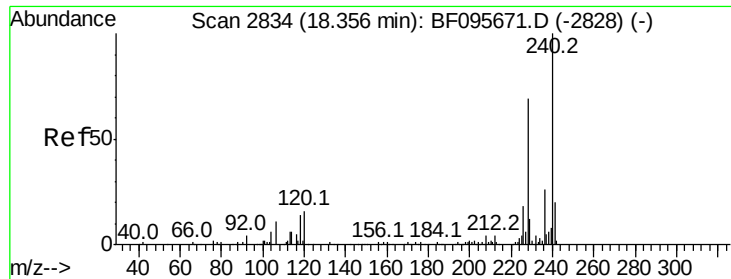
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#74
 Fluoranthene
 Concen: 28.50 ng
 RT: 16.37 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: BF096097.D
 Acq: 21 Jun 2017 22:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.2
203	16.6	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: BF096097.D

Acq: 21 Jun 2017 22:00

Instrument :

BNA_F

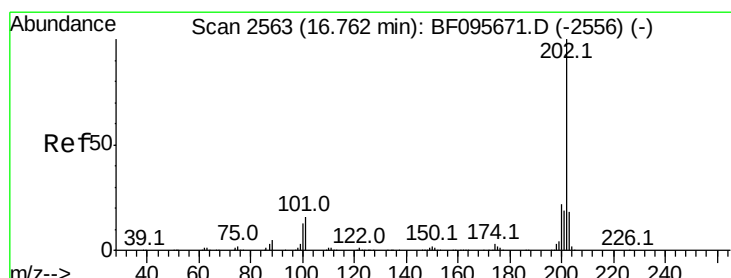
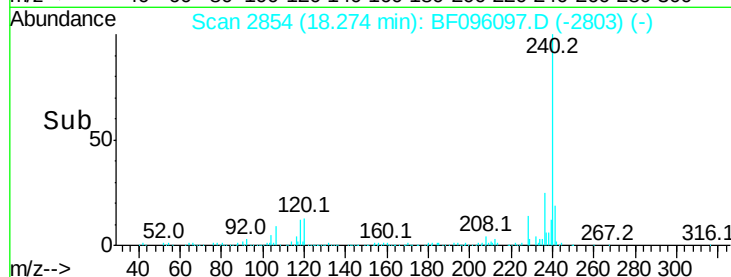
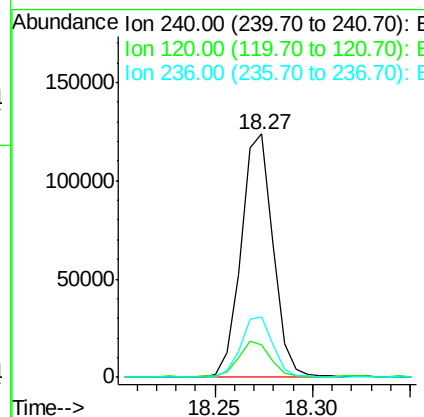
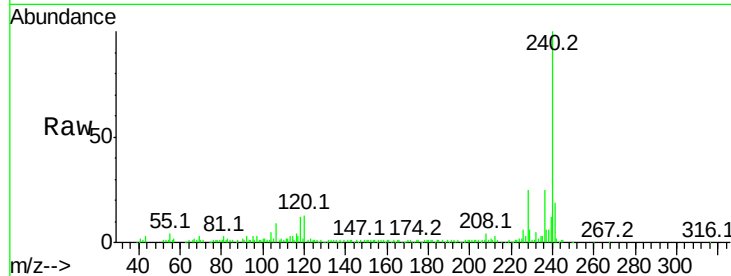
ClientSampleId :

G22-0-1.5

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	5.8	8.8#
236	24.8	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 26.00 ng

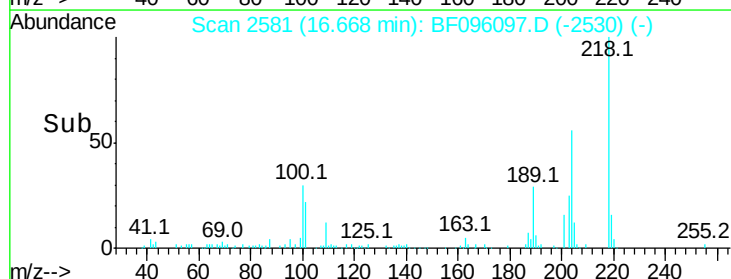
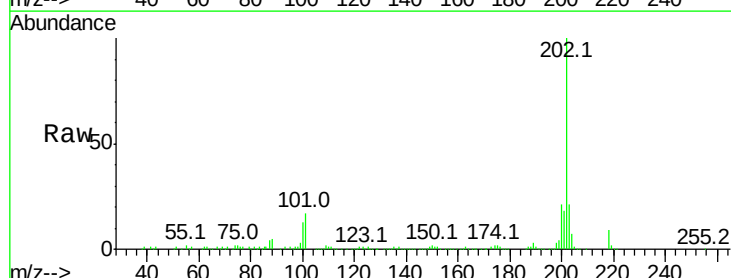
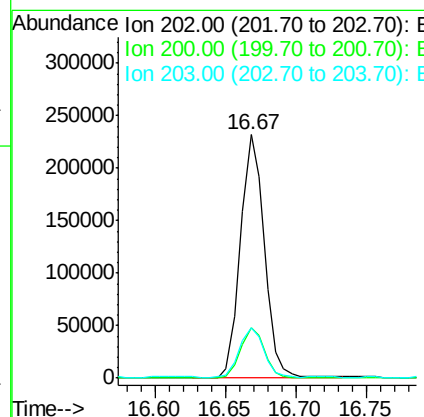
RT: 16.67 min Scan# 2581

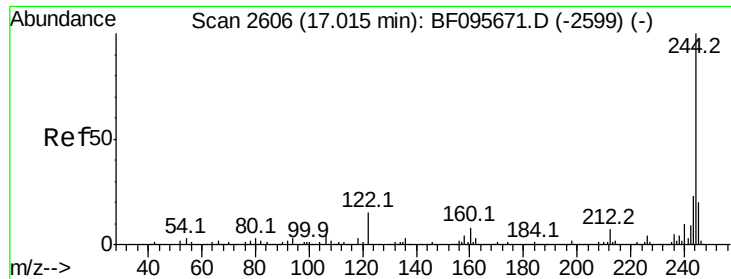
Delta R.T. 0.00 min

Lab File: BF096097.D

Acq: 21 Jun 2017 22:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.6	26.4
203	20.8	14.4	21.6





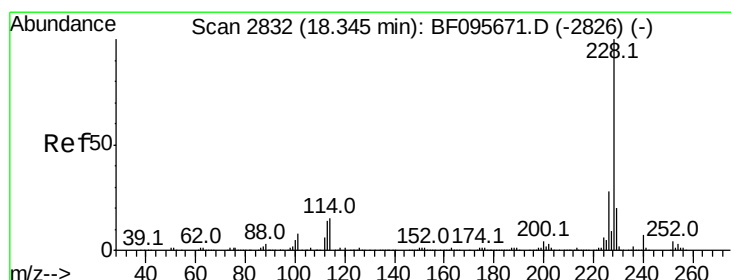
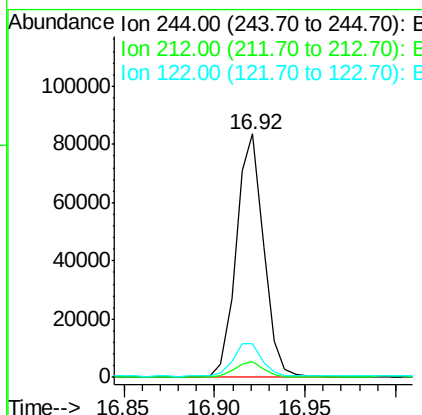
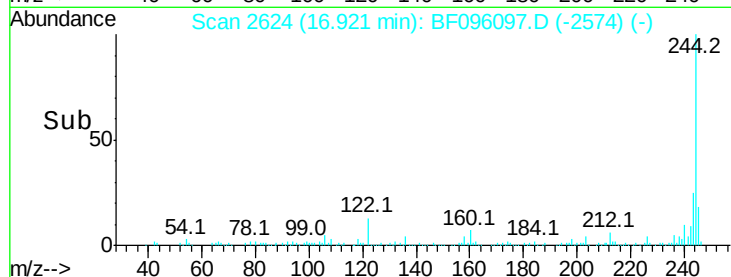
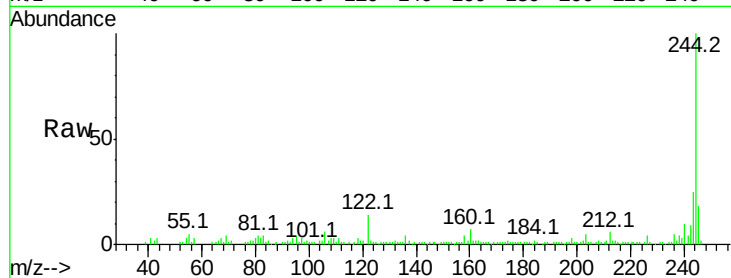
#78
 Terphenyl-d14
 Concen: 15.50 ng
 RT: 16.92 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: BF096097.D
 Acq: 21 Jun 2017 22:00

Instrument :
 BNA_F
 ClientSampled :
 G22-0-1.5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	13.7	10.3	15.5

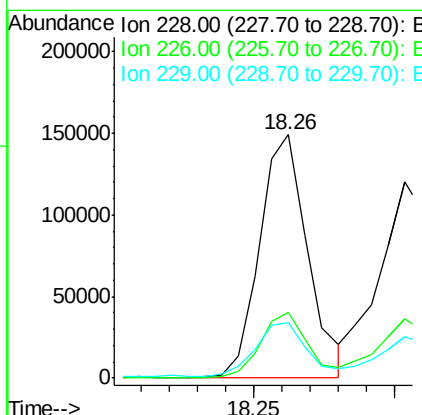
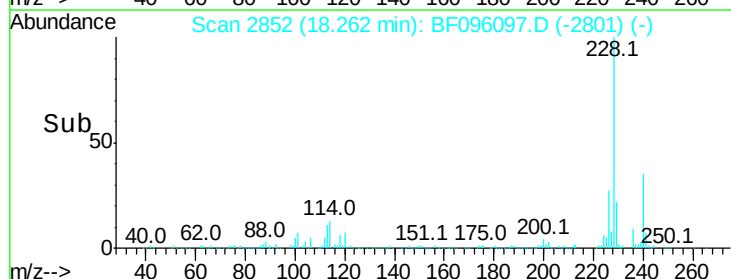
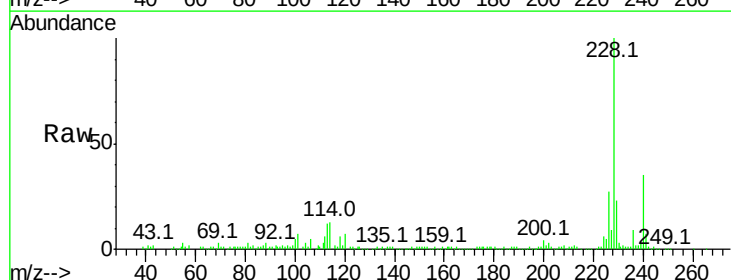
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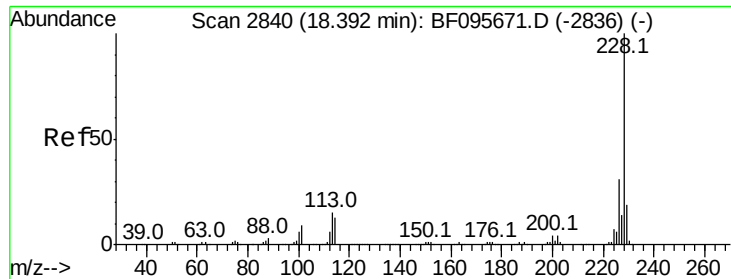
mohammad
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#80
 Benzo(a)anthracene
 Concen: 21.44 ng
 RT: 18.26 min Scan# 2852
 Delta R.T. 0.00 min
 Lab File: BF096097.D
 Acq: 21 Jun 2017 22:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	22.8	16.3	24.5





#82

Chrysene

Concen: 19.98 ng

RT: 18.30 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BF096097.D

Acq: 21 Jun 2017 22:00

Instrument :

BNA_F

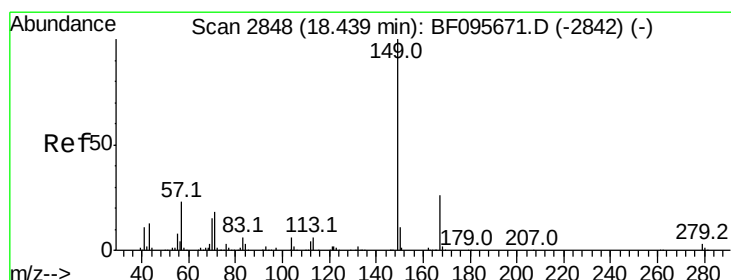
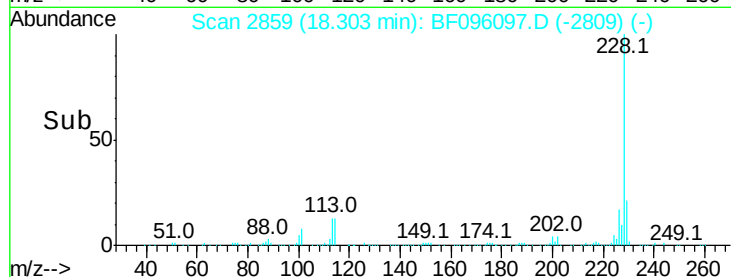
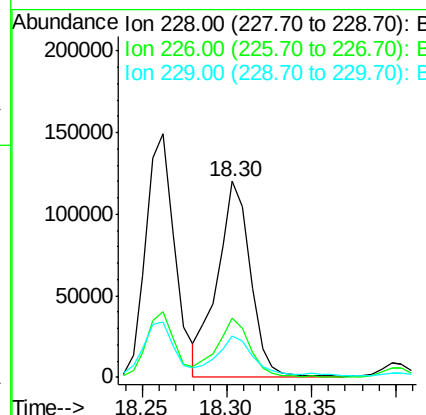
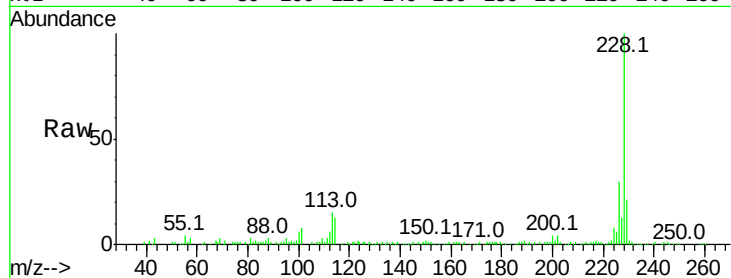
ClientSampleId :

G22-0-1.5

Tot Ion:	228	Resp:	163438
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.9	37.3
229	21.1	15.8	23.6

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.48 ng

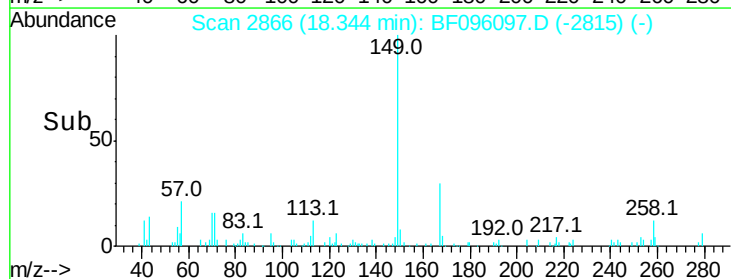
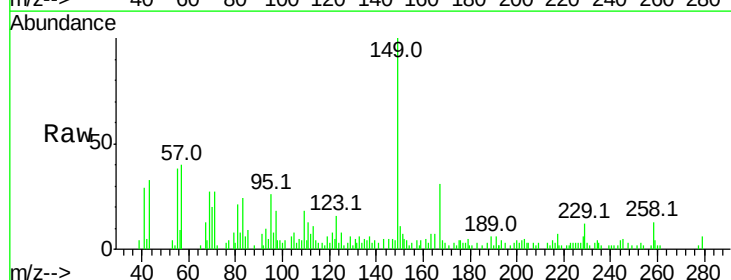
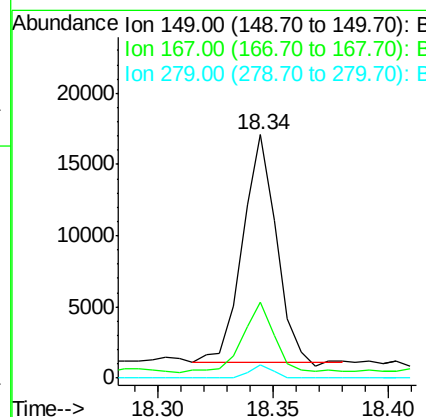
RT: 18.34 min Scan# 2866

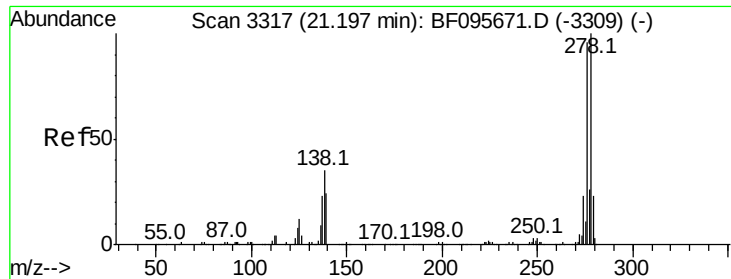
Delta R.T. 0.00 min

Lab File: BF096097.D

Acq: 21 Jun 2017 22:00

Tgt Ion:	149	Resp:	16067
Ion Ratio	Lower	Upper	
149	100		
167	30.9	21.0	31.4
279	5.6	1.9	2.9#





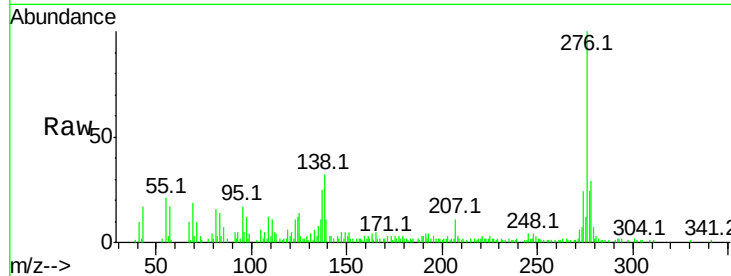
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.18 ng
RT: 21.11 min Scan# 3336
Delta R.T. 0.01 min
Lab File: BF096097.D
Acq: 21 Jun 2017 22:00

Instrument :
BNA_F
ClientSampleId :
G22-0-1.5

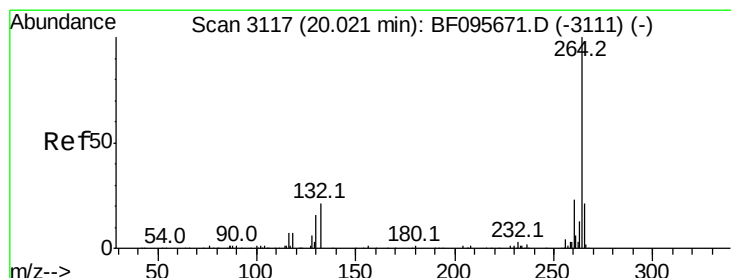
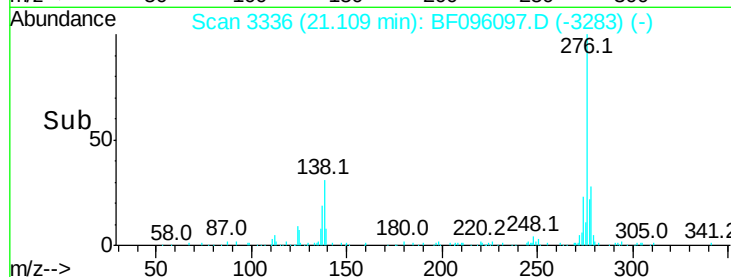
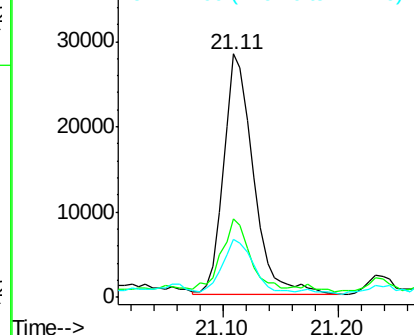
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.8	27.8	41.6
277	21.9	20.2	30.4

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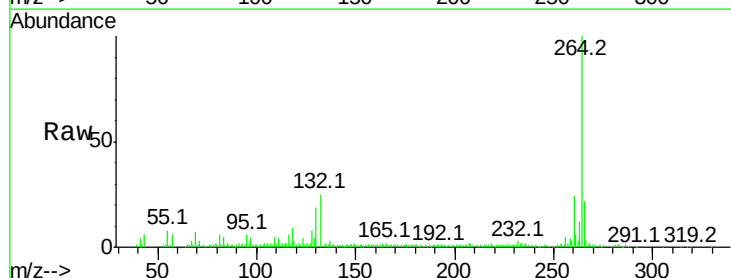


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

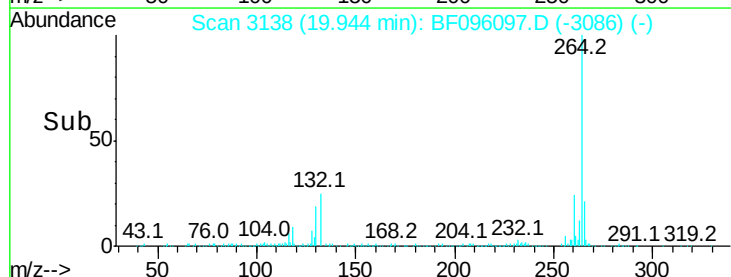
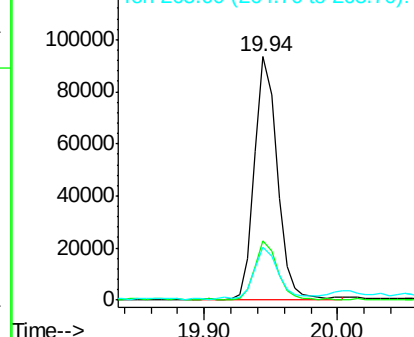


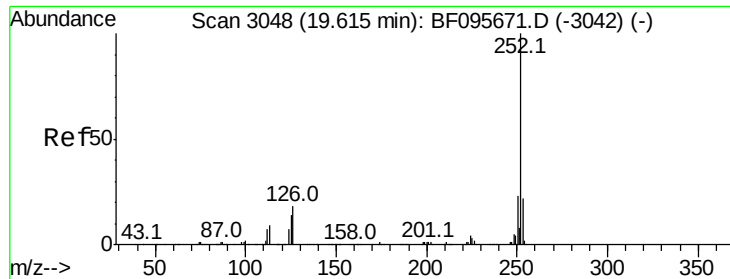
#86
Perylene-d12
Concen: 20.00 ng
RT: 19.94 min Scan# 3138
Delta R.T. 0.01 min
Lab File: BF096097.D
Acq: 21 Jun 2017 22:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.7	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





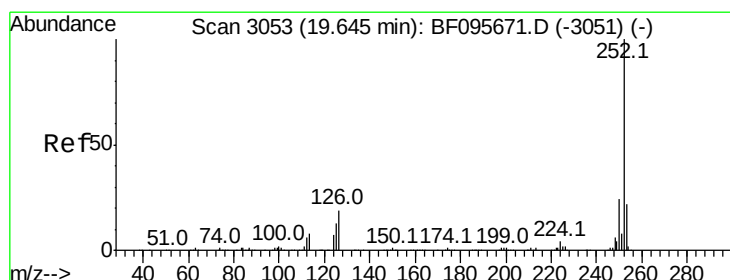
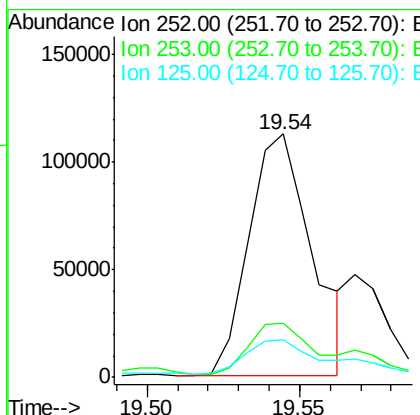
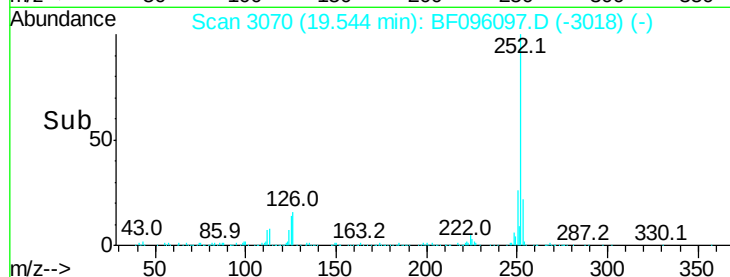
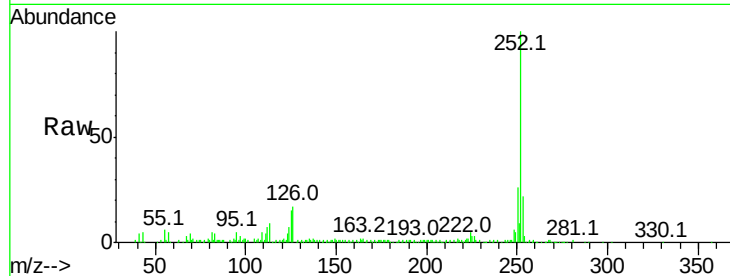
#87
Benzo(b)fluoranthene
Concen: 23.20 ng m
RT: 19.54 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BF096097.D
Acq: 21 Jun 2017 22:00

Instrument :
BNA_F
ClientSampleId :
G22-0-1.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	15.5	9.8	14.8

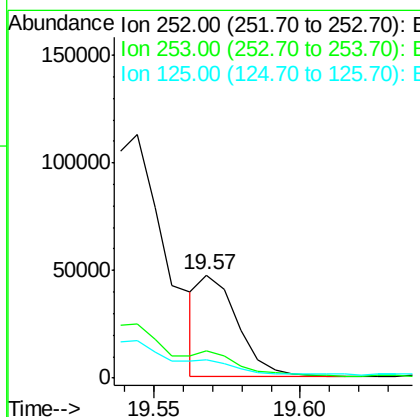
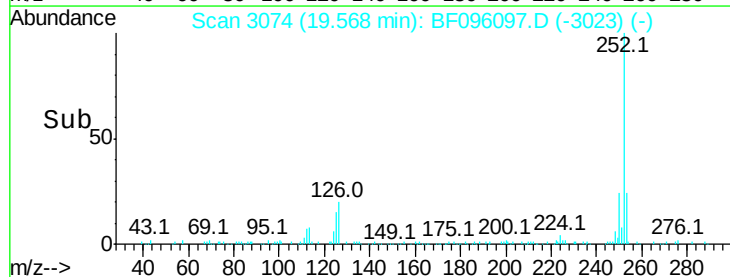
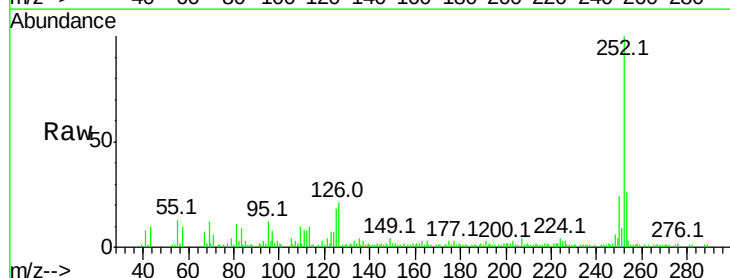
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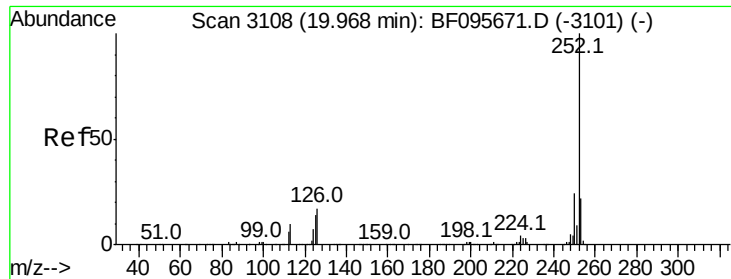
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#88
Benzo(k)fluoranthene
Concen: 6.41 ng m
RT: 19.57 min Scan# 3074
Delta R.T. 0.00 min
Lab File: BF096097.D
Acq: 21 Jun 2017 22:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.4	27.6
125	17.6	13.1	19.7





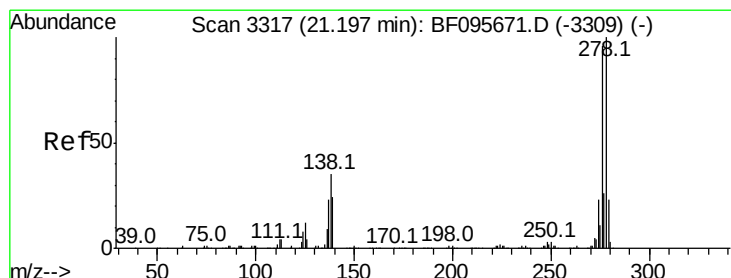
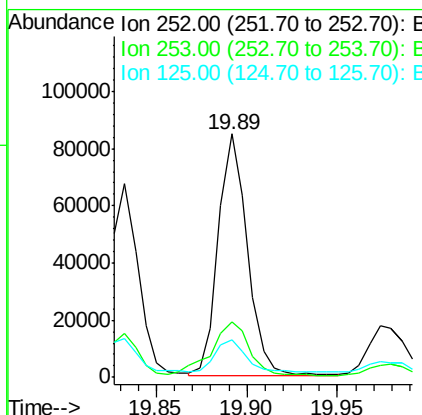
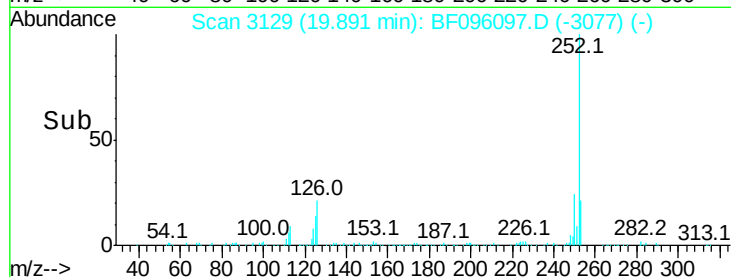
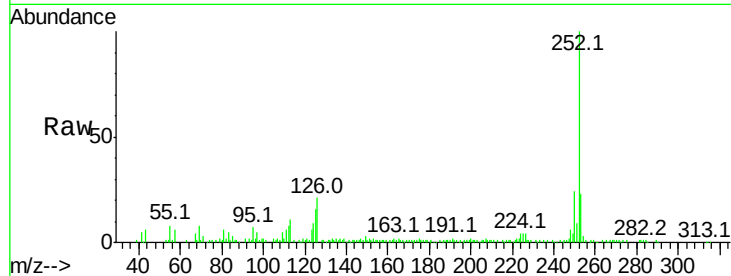
#89
Benzo(a)pyrene
Concen: 15.07 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096097.D
Acq: 21 Jun 2017 22:00

Instrument :
BNA_F
ClientSampleId :
G22-0-1.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	15.6	11.0	16.4

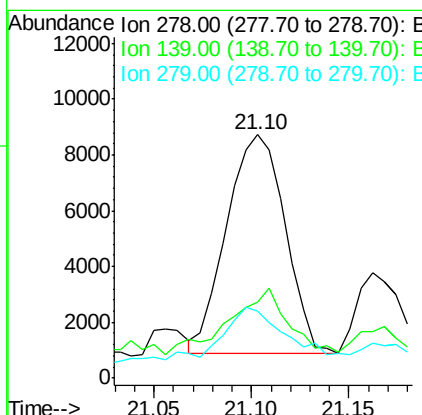
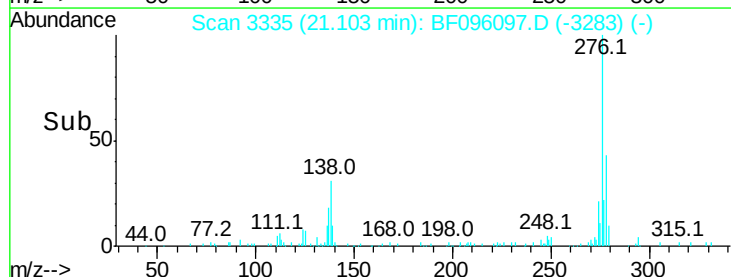
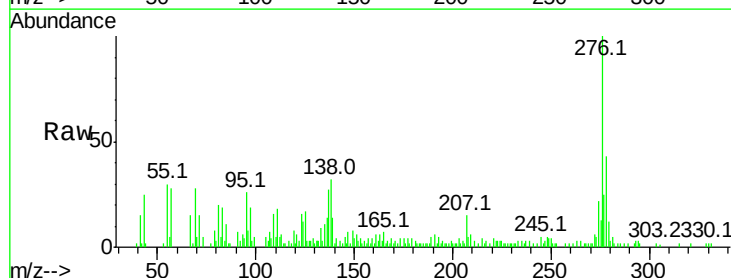
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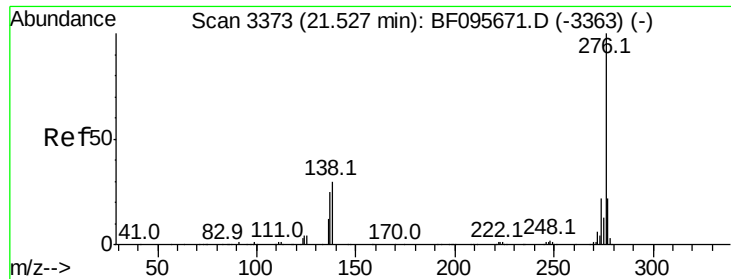
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#90
Dibenzo(a,h)anthracene
Concen: 2.99 ng
RT: 21.10 min Scan# 3335
Delta R.T. 0.01 min
Lab File: BF096097.D
Acq: 21 Jun 2017 22:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.3	16.6	24.8#
279	27.7	19.3	28.9





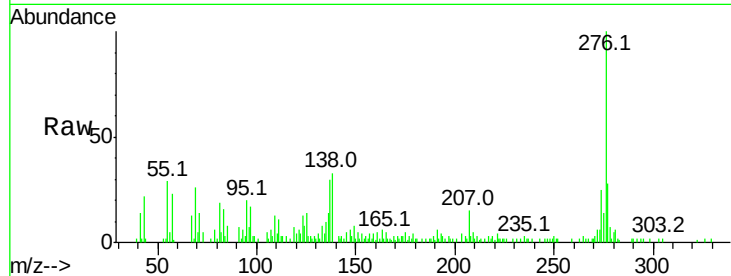
#91
 Benzo(a,h,i)perylene
 Concen: 7.70 ng
 RT: 21.44 min Scan# 3393
 Delta R.T. 0.02 min
 Lab File: BF096097.D
 Acq: 21 Jun 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 G22-0-1.5

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.5	18.6	28.0#
138	33.3	25.4	38.0

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

