

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
 Data File : BF099014.D
 Acq On : 2 Oct 2017 21:56
 Operator : SJ/JU
 Sample : I5531-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-62-2.5-5

Manual Integrations
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Quant Time: Oct 03 04:06:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	126676	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	472151	20.00	ng	-0.02
38) Acenaphthene-d10	9.95	164	175960	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	272373	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	254766	20.00	ng	-0.01
86) Perylene-d12	15.57	264	250683	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	326286	41.00	ng	-0.02
7) Phenol-d6	6.53	99	528551	53.84	ng	-0.02
23) Nitrobenzene-d5	7.46	82	330679	44.91	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	18414	12.79	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	569057	53.99	ng	-0.02
78) Terphenyl-d14	13.02	244	413005	36.87	ng	-0.02
Target Compounds						
48) Acenaphthylene	9.80	152	36165	2.081	ng	Qvalue 97
49) Dimethylphthalate	9.65	163	93513	7.041	ng	98
70) Phenanthrene	11.46	178	300169	20.589	ng	97
71) Anthracene	11.50	178	72487	4.859	ng	97
72) Carbazole	11.66	167	29389	2.012	ng	95
74) Fluoranthene	12.64	202	477566	32.348	ng	99
77) Pyrene	12.87	202	481659	24.793	ng	100
80) Benzo(a)anthracene	14.06	228	257583	16.697	ng	97
82) Chrysene	14.10	228	237624	16.179	ng	96
83) Bis(2-ethylhexyl)phthalate	14.04	149	58905	4.686	ng	98
85) Indeno(1,2,3-cd)pyrene	17.07	276	124282	10.578	ng	97
87) Benzo(b)fluoranthene	15.13	252	332713m	21.586	ng	
88) Benzo(k)fluoranthene	15.15	252	110977m	7.290	ng	
89) Benzo(a)pyrene	15.50	252	241377	17.061	ng	# 94
90) Dibenzo(a,h)anthracene	17.08	278	29119	2.572	ng	# 81
91) Benzo(g,h,i)perylene	17.53	276	120481	10.765	ng	94

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

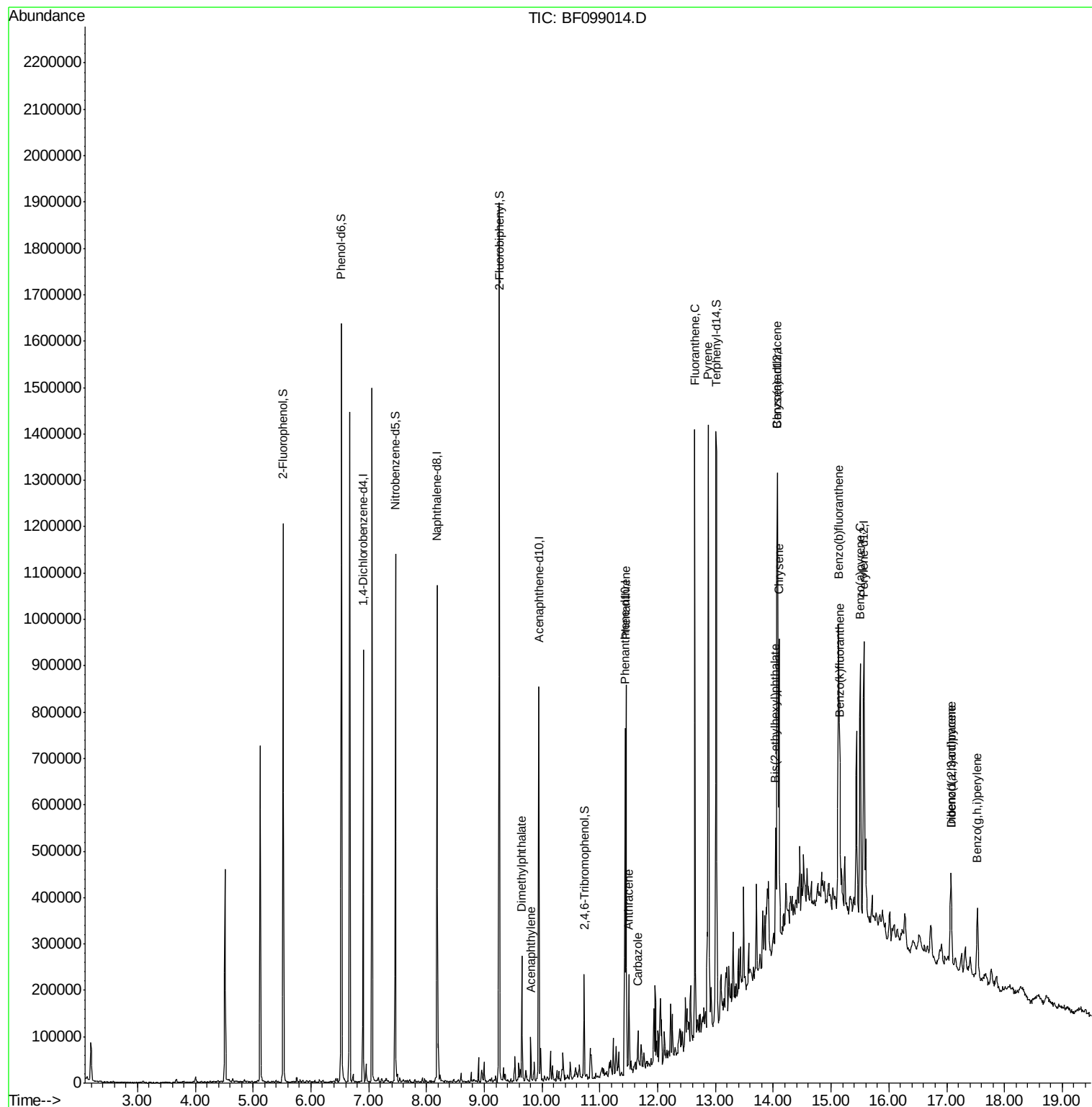
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099014.D
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Operator : SJ/JU
Sample : I5531-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

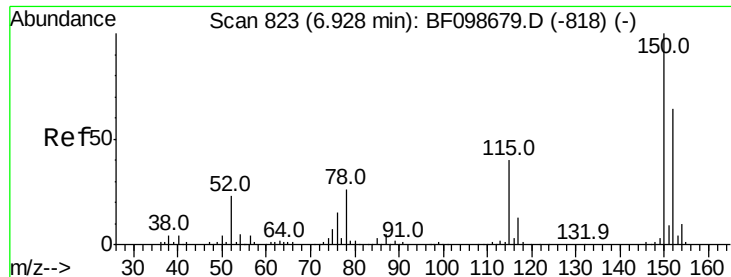
Instrument :
BNA_F
ClientSampleId :
G-62-2.5-5

Quant Time: Oct 03 04:06:23 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration

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#1

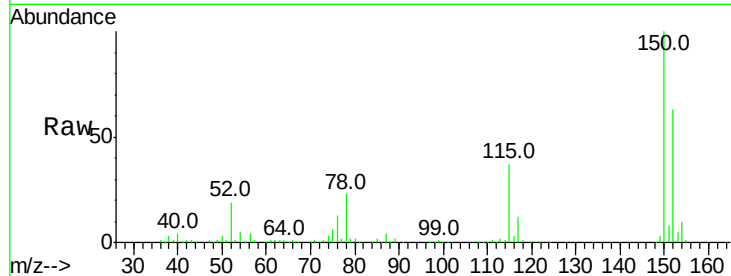
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF099014.D
Acq: 2 Oct 2017 21:56

Instrument :
BNA_F
ClientSampleId :
G-62-2.5-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	58.6	50.1	75.1

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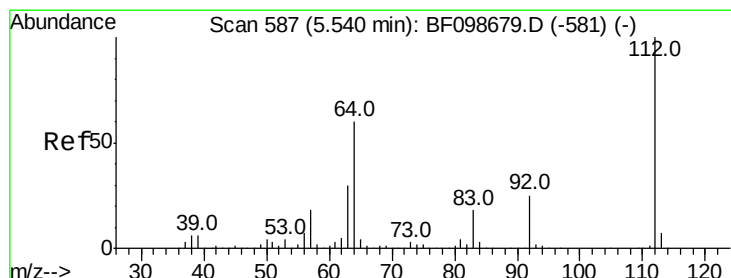
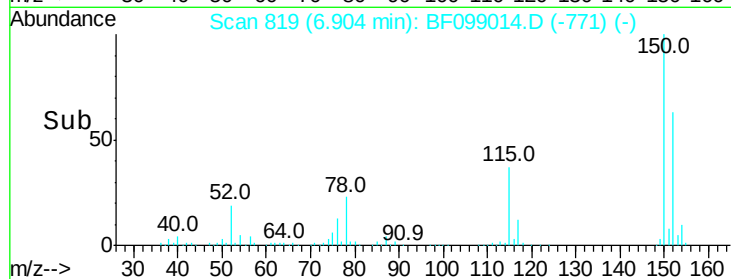
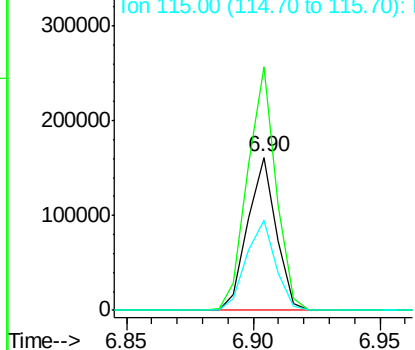


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

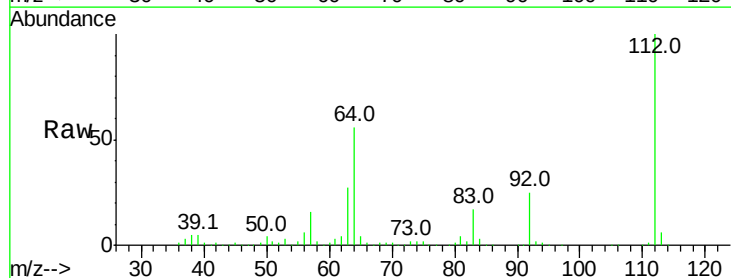
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.003 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF099014.D
Acq: 2 Oct 2017 21:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.9	71.9
63	26.7	23.7	35.5

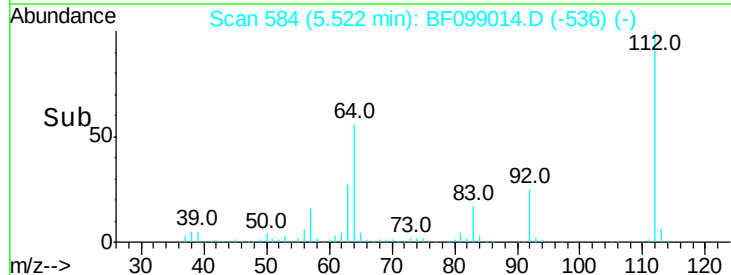
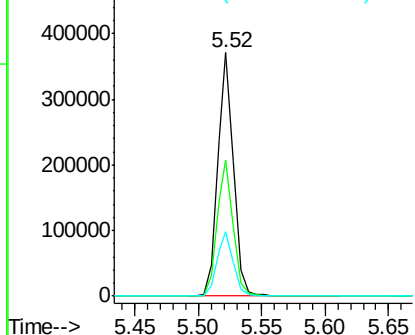


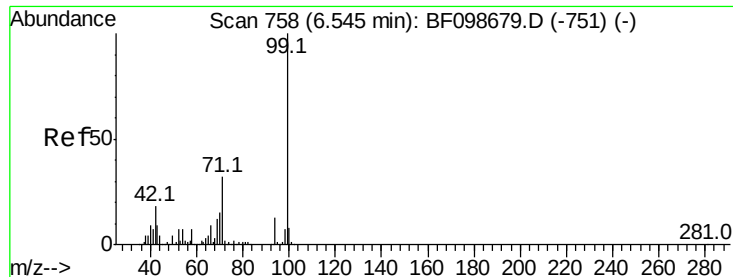
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 53.843 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF099014.D

Acq: 2 Oct 2017 21:56

Instrument :

BNA_F

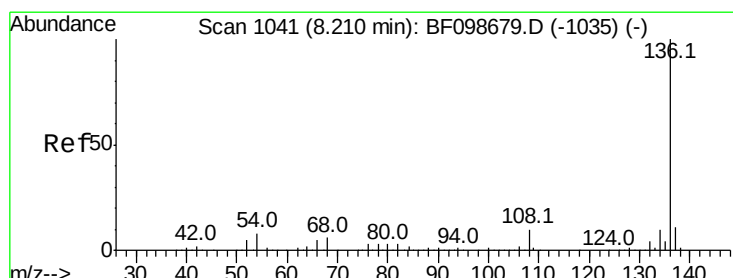
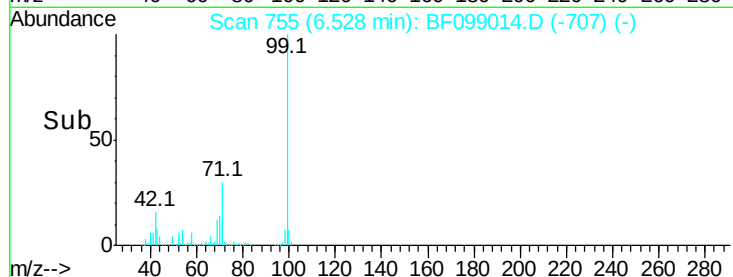
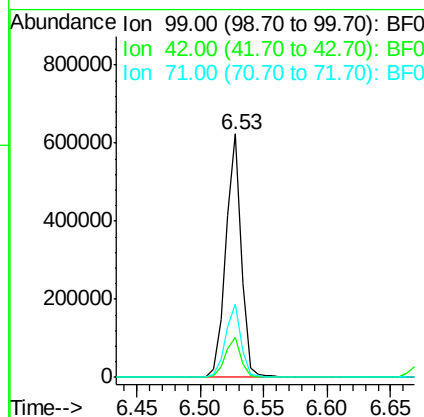
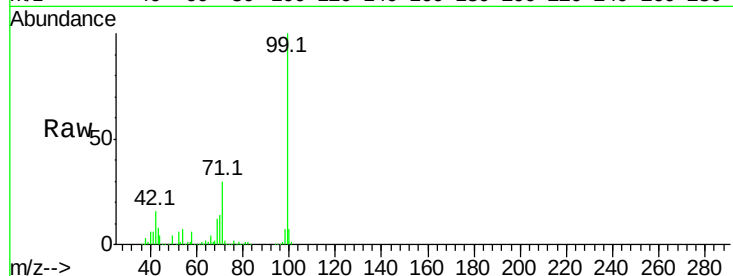
ClientSampleId :

G-62-2.5-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		528551		
42	16.2	14.5	21.7		
71	30.3	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

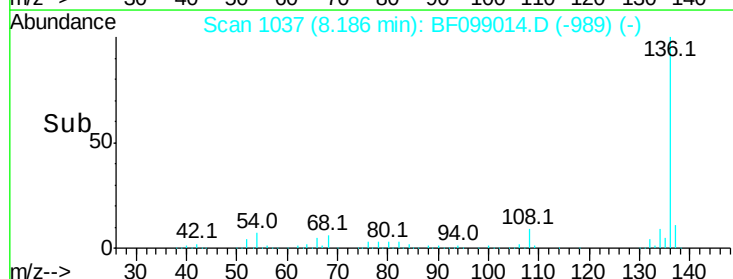
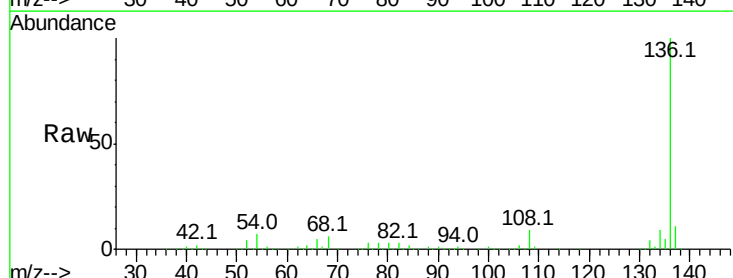
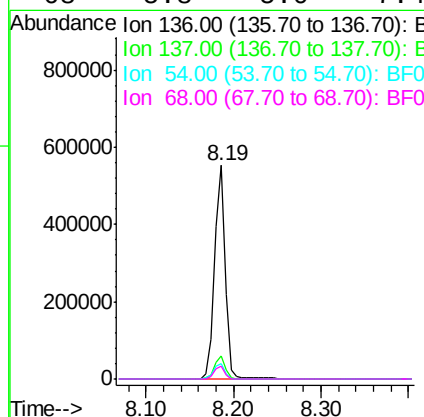
RT: 8.19 min Scan# 1037

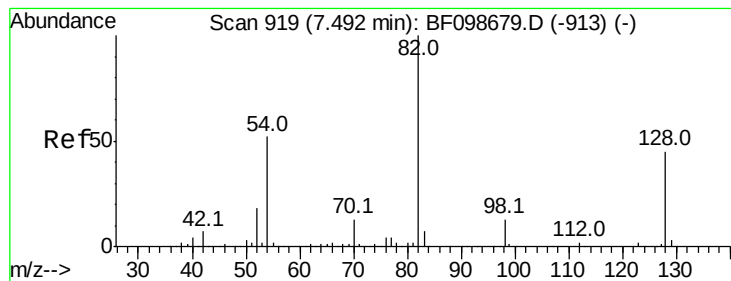
Delta R.T. -0.02 min

Lab File: BF099014.D

Acq: 2 Oct 2017 21:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		472151		
137	10.9	8.9	13.3		
54	7.5	6.6	9.8		
68	5.8	5.0	7.4		





#23

Nitrobenzene-d5

Concen: 44.915 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.02 min

Lab File: BF099014.D

Acq: 2 Oct 2017 21:56

Instrument :

BNA_F

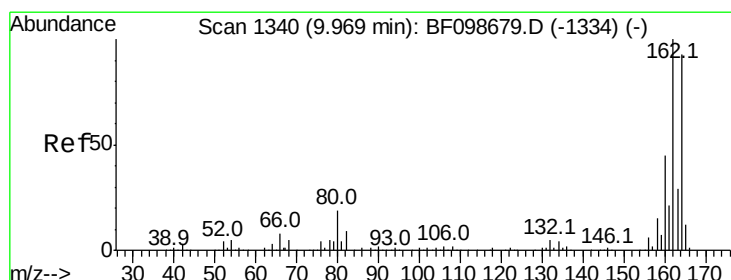
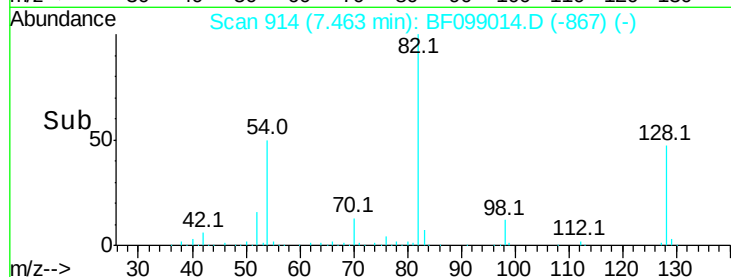
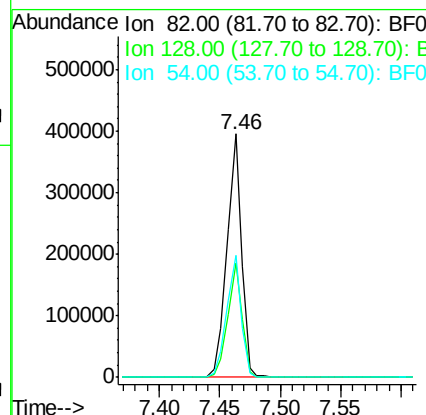
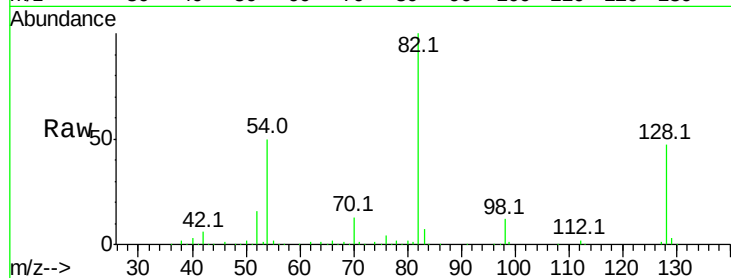
ClientSampled :

G-62-2.5-5

Tot Ion:	82	Resp:	330679
Ion Ratio	Lower	Upper	
82	100		
128	47.0	36.1	54.1
54	50.3	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

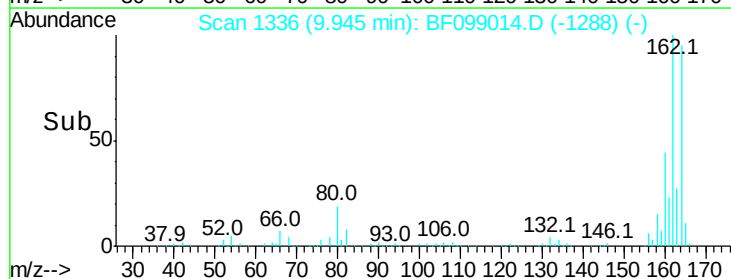
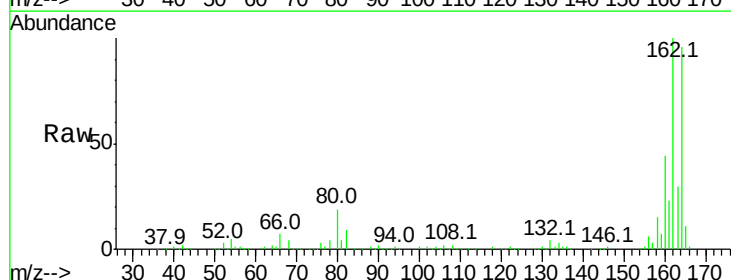
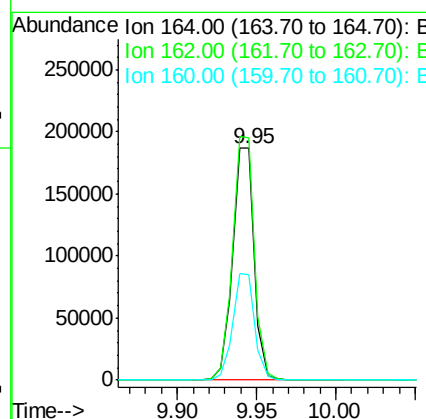
RT: 9.95 min Scan# 1336

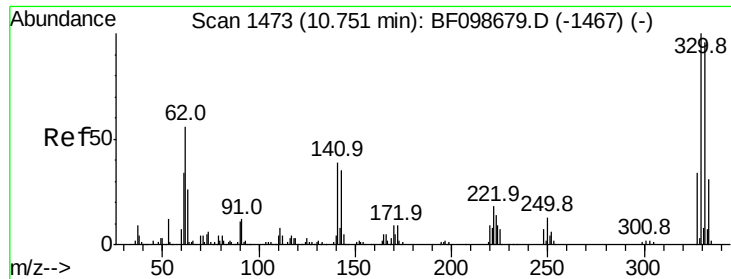
Delta R.T. -0.02 min

Lab File: BF099014.D

Acq: 2 Oct 2017 21:56

Tgt Ion:	164	Resp:	175960
Ion Ratio	Lower	Upper	
164	100		
162	104.5	86.1	129.1
160	45.5	38.3	57.5





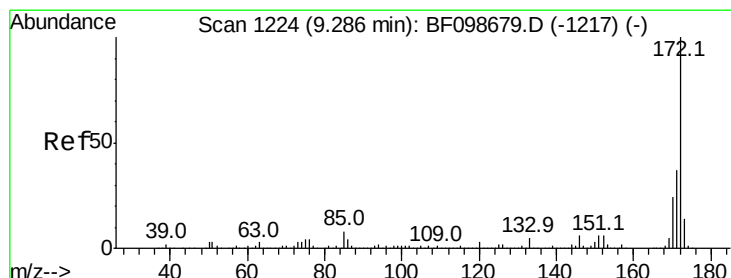
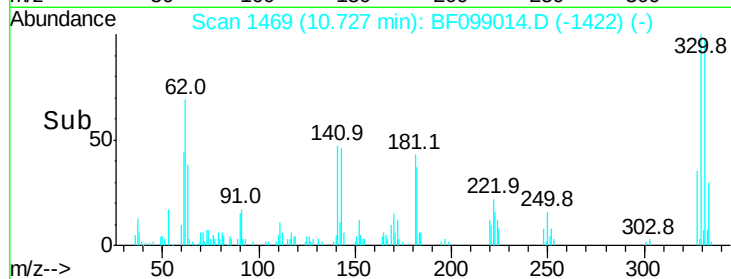
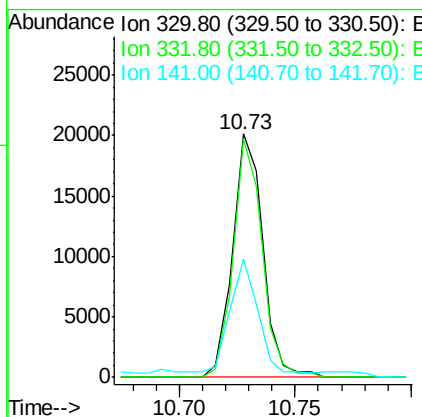
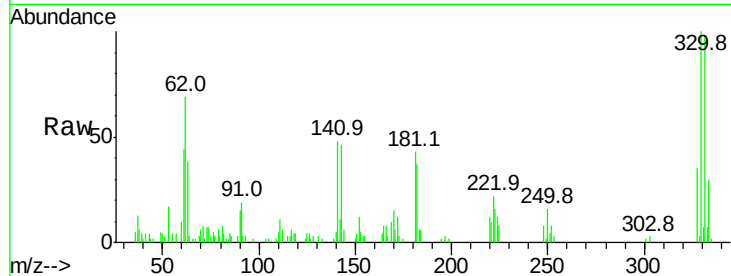
#41
 2,4,6-Tribromophenol
 Concen: 12.789 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.02 min
 Lab File: BF099014.D
 Acq: 2 Oct 2017 21:56

Instrument :
 BNA_F
 ClientSampled :
 G-62-2.5-5

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.0	115.6
141	43.0	29.9	44.9

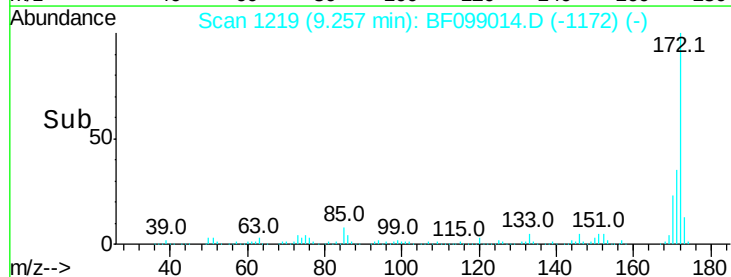
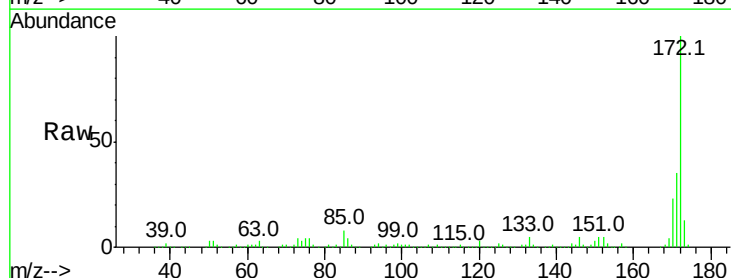
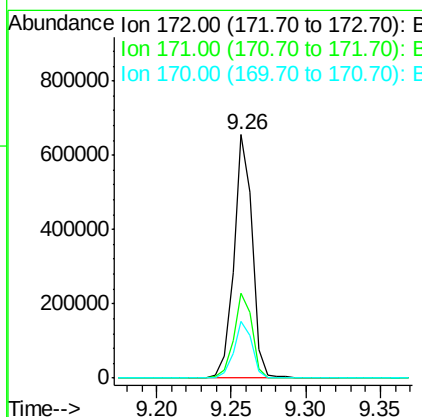
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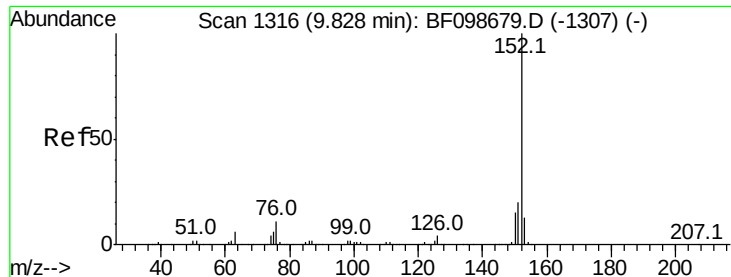
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#44
 2-Fluorobiphenyl
 Concen: 53.989 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: BF099014.D
 Acq: 2 Oct 2017 21:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.5	19.6	29.4





#48

Acenaphthylene

Concen: 2.081 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF099014.D

Acq: 2 Oct 2017 21:56

Instrument :

BNA_F

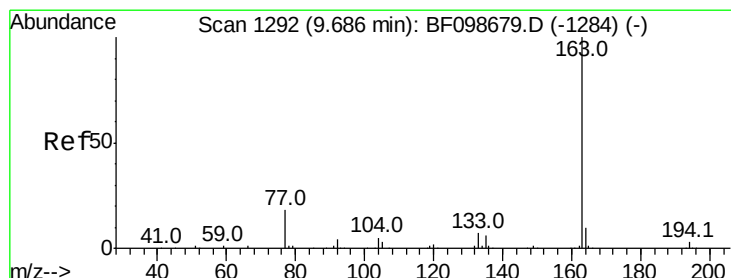
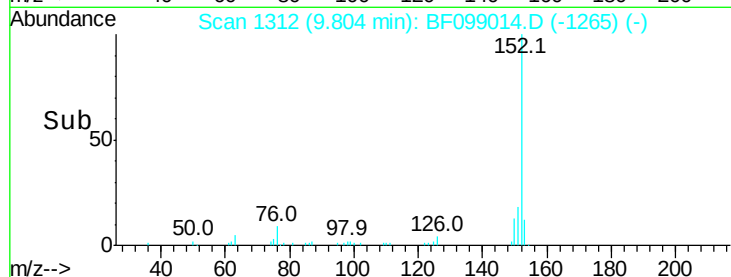
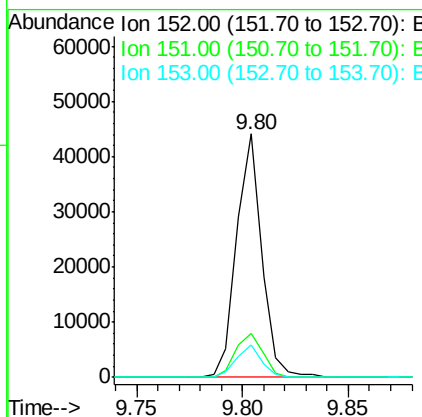
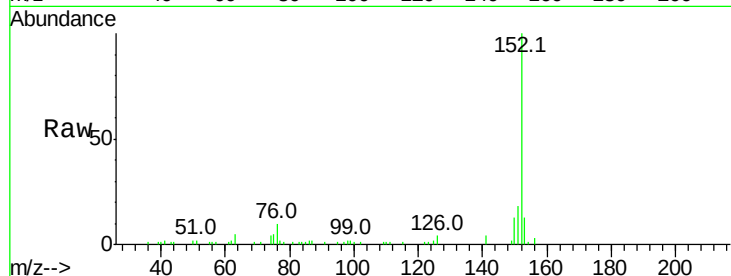
ClientSampleId :

G-62-2.5-5

Tot Ion:	152	Resp:	36165
Ion Ratio	Lower	Upper	
152	100		
151	17.9	16.3	24.5
153	13.4	10.7	16.1

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#49

Dimethylphthalate

Concen: 7.041 ng

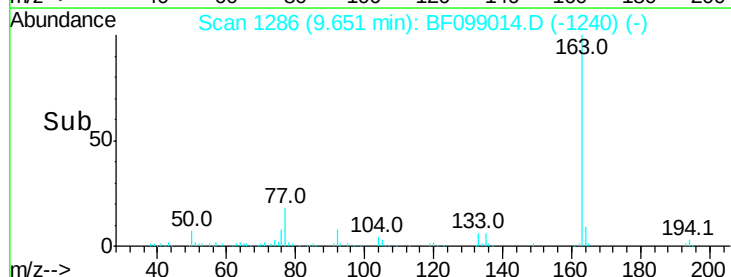
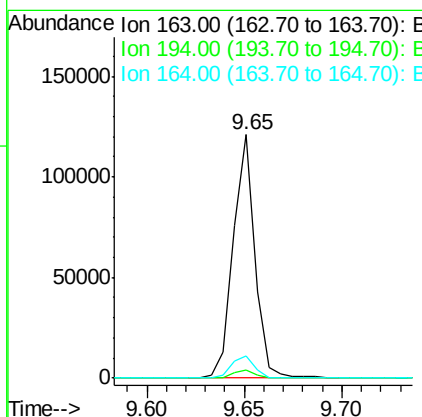
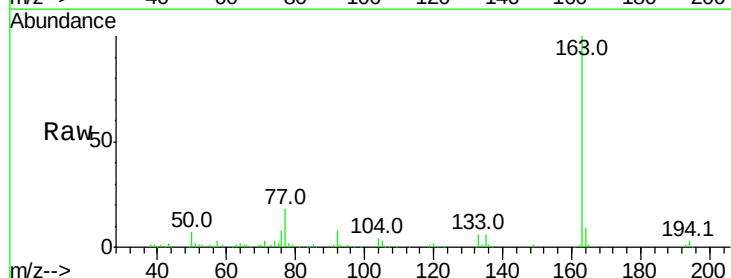
RT: 9.65 min Scan# 1286

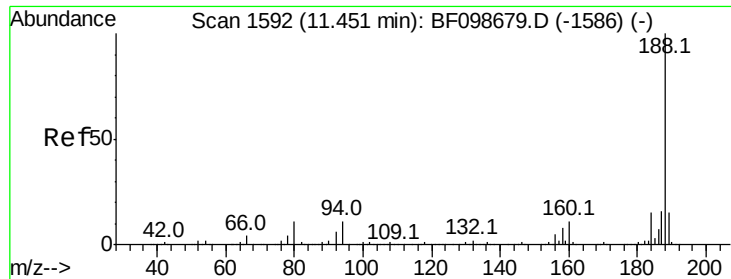
Delta R.T. -0.03 min

Lab File: BF099014.D

Acq: 2 Oct 2017 21:56

Tgt Ion:	163	Resp:	93513
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	9.3	8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF099014.D

Acq: 2 Oct 2017 21:56

Instrument :

BNA_F

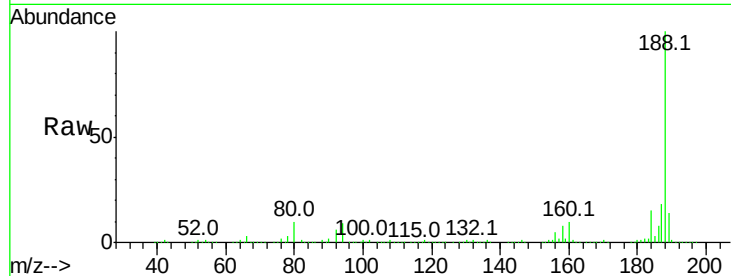
ClientSampleId :

G-62-2.5-5

Tot Ion:	188	Resp:	272373
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.5	12.7
80	10.1	9.2	13.8

Manual Integrations
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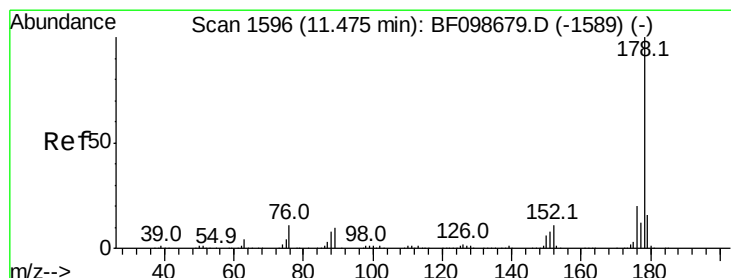
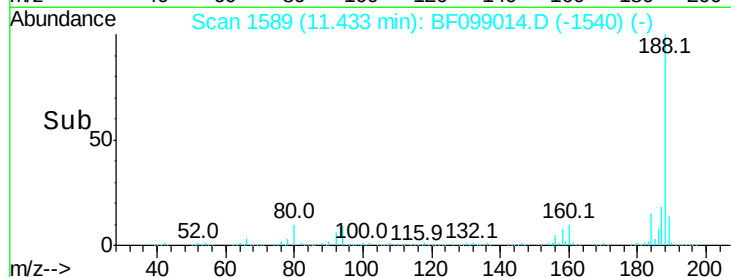
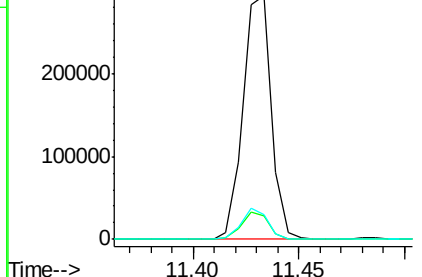
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 20.589 ng

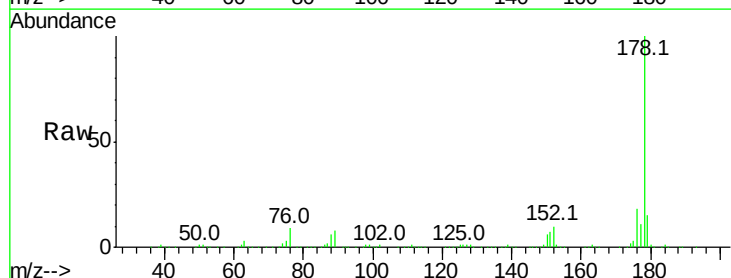
RT: 11.46 min Scan# 1593

Delta R.T. -0.02 min

Lab File: BF099014.D

Acq: 2 Oct 2017 21:56

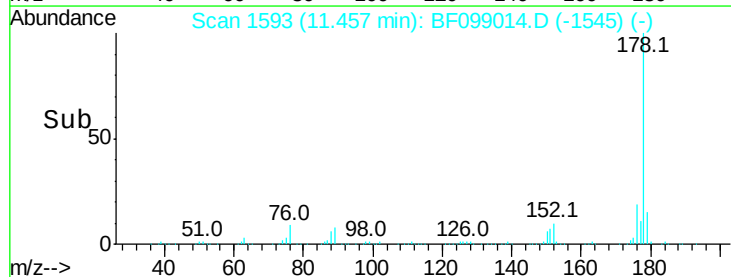
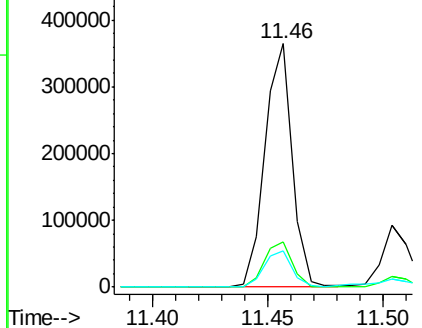
Tgt Ion:	178	Resp:	300169
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.8	23.8
179	14.9	13.0	19.6

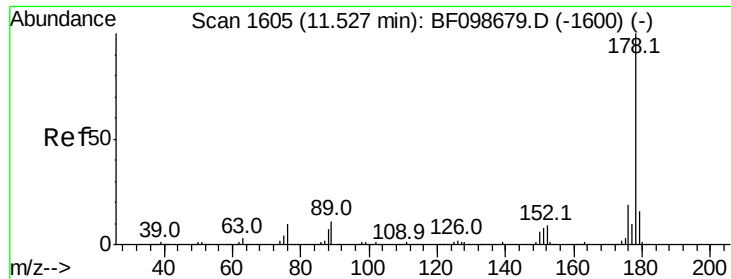


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





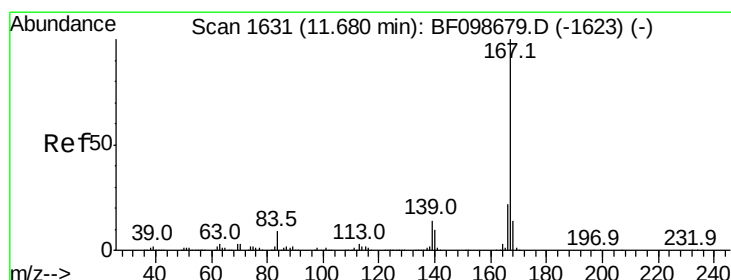
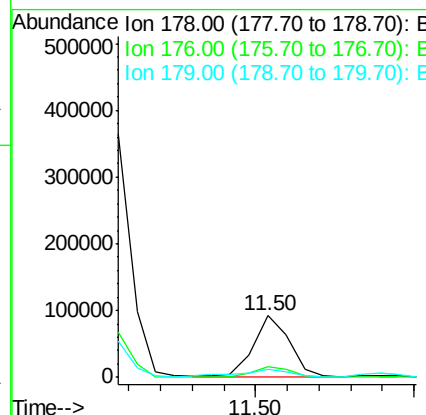
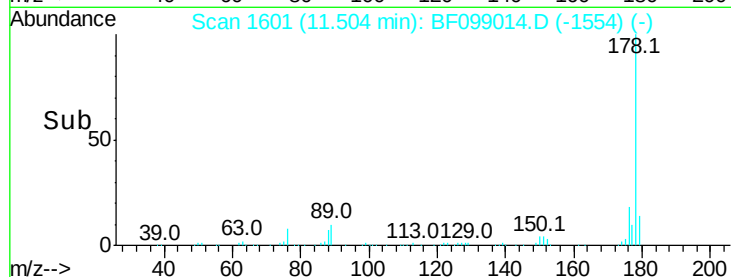
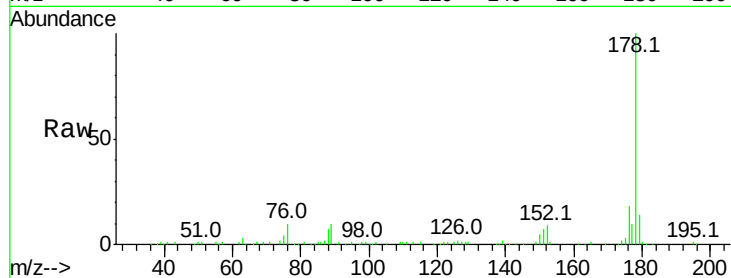
#71
 Anthracene
 Concen: 4.859 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.02 min
 Lab File: BF099014.D
 Acq: 2 Oct 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :
 G-62-2.5-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.2	12.6	19.0

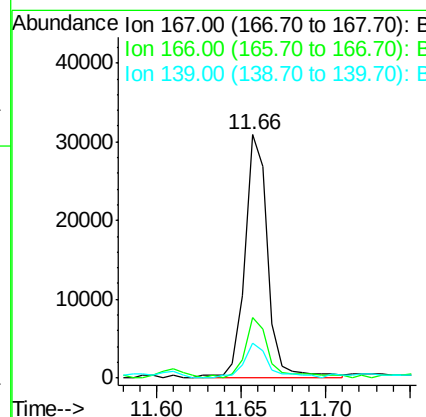
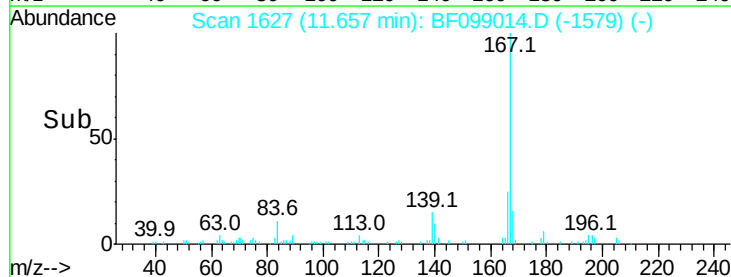
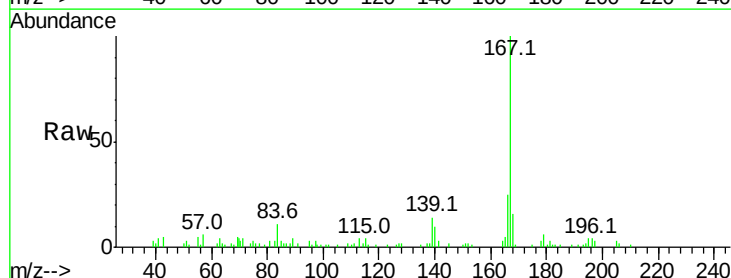
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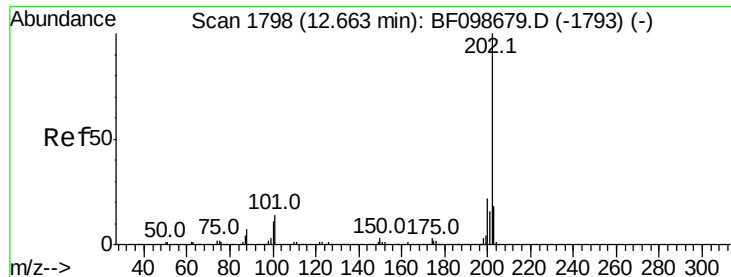
Sohil
 10/3/2017 6:51:00 PM



#72
 Carbazole
 Concen: 2.012 ng
 RT: 11.66 min Scan# 1627
 Delta R.T. -0.02 min
 Lab File: BF099014.D
 Acq: 2 Oct 2017 21:56

Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.0	17.6	26.4
139	14.4	10.9	16.3





#74

Fluoranthene

Concen: 32.348 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF099014.D

Acq: 2 Oct 2017 21:56

Instrument :

BNA_F

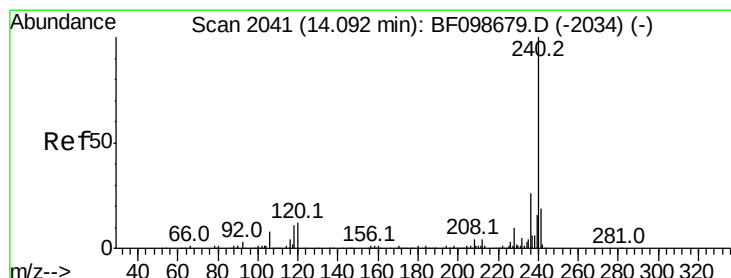
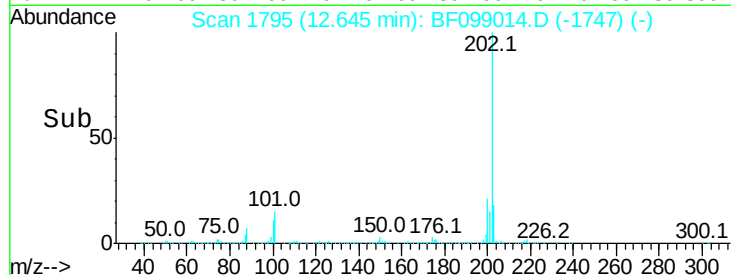
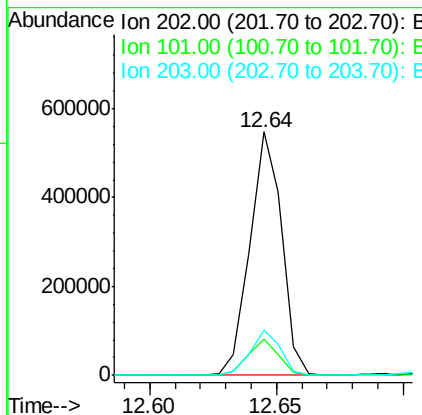
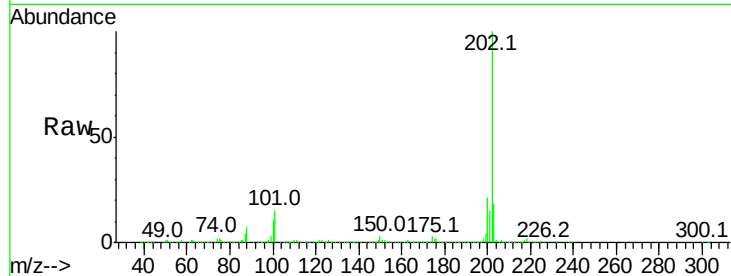
ClientSampleId :

G-62-2.5-5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.7	0.0	34.1
203	18.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

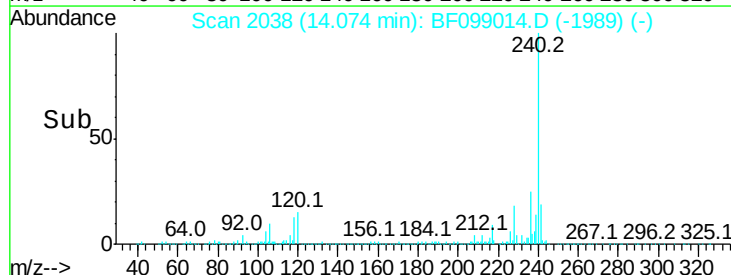
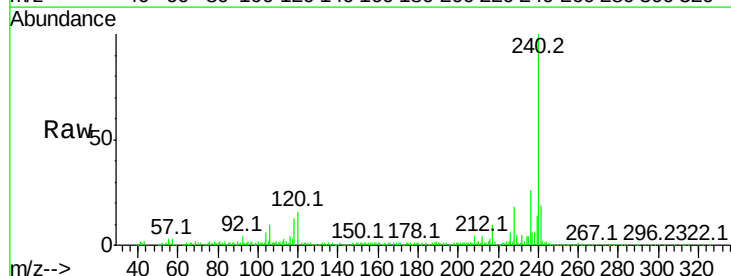
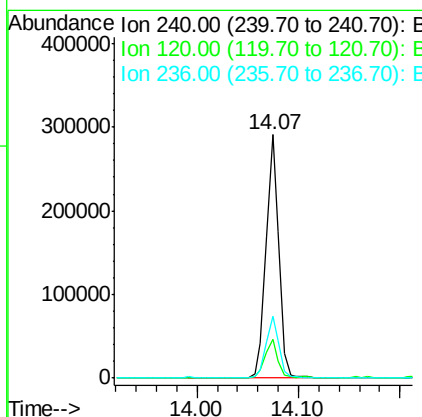
RT: 14.07 min Scan# 2038

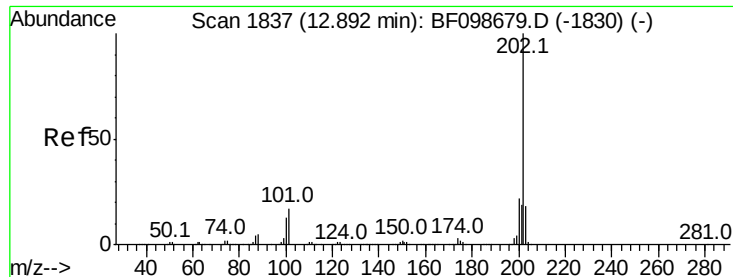
Delta R.T. -0.01 min

Lab File: BF099014.D

Acq: 2 Oct 2017 21:56

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.7	9.5	14.3#
236	25.5	20.7	31.1





#77

Pvrene

Concen: 24.793 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF099014.D

Acq: 2 Oct 2017 21:56

Instrument :

BNA_F

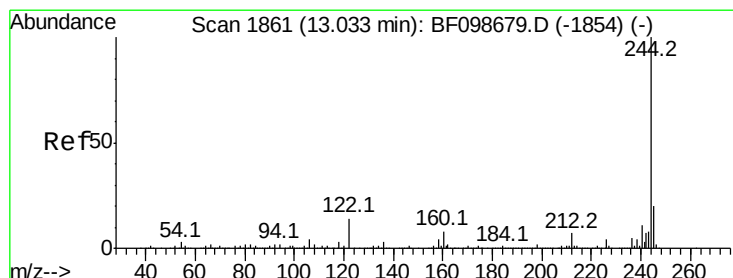
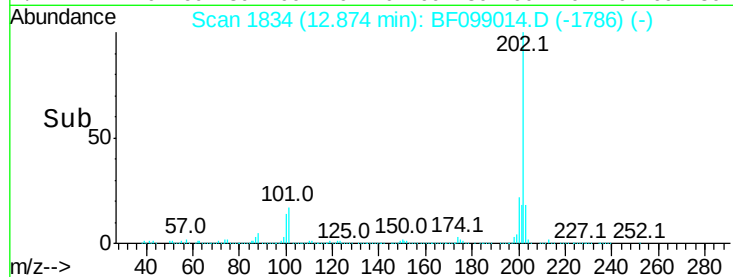
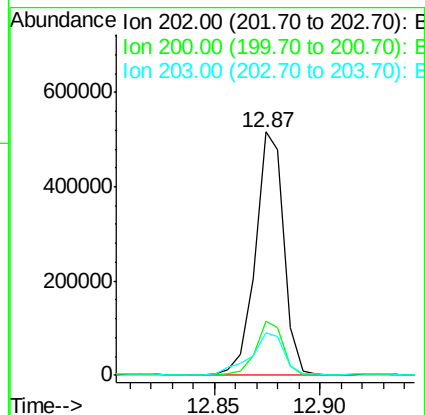
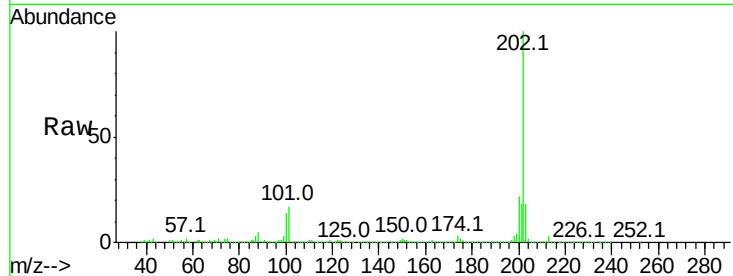
ClientSampleId :

G-62-2.5-5

Tot Ion:	202	Resp:	481659
Ion Ratio		Lower	Upper
202	100		
200	22.0	17.4	26.2
203	17.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 36.867 ng

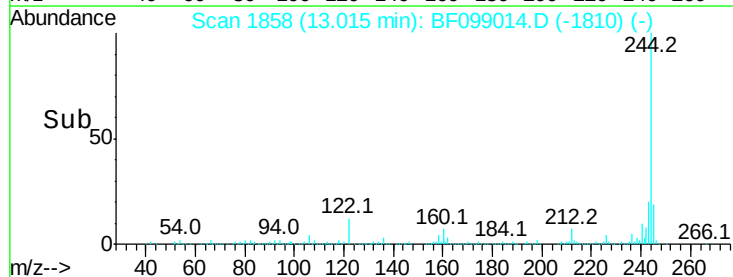
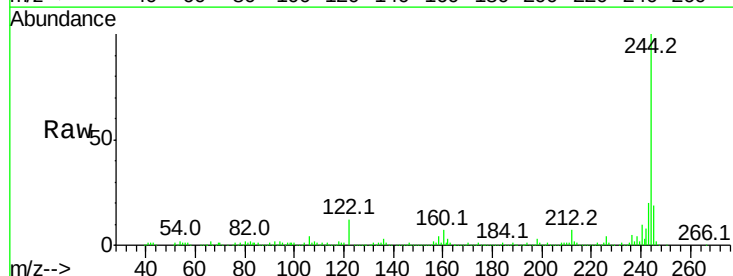
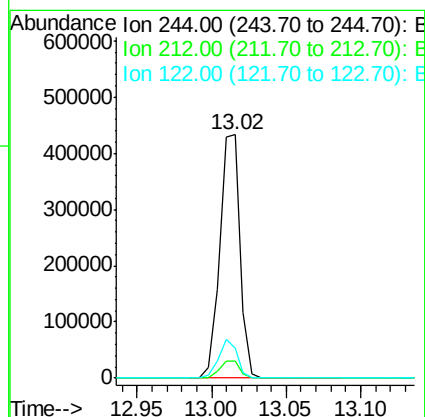
RT: 13.02 min Scan# 1858

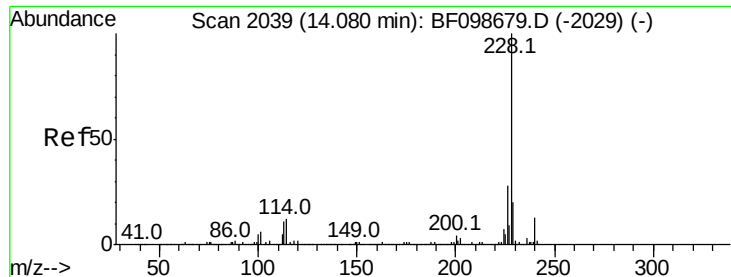
Delta R.T. -0.02 min

Lab File: BF099014.D

Acq: 2 Oct 2017 21:56

Tgt Ion:	244	Resp:	413005
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.4	11.0	16.4





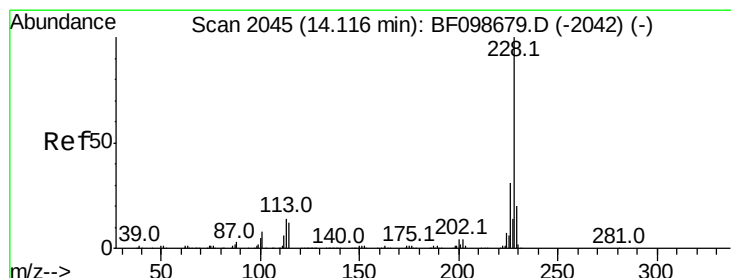
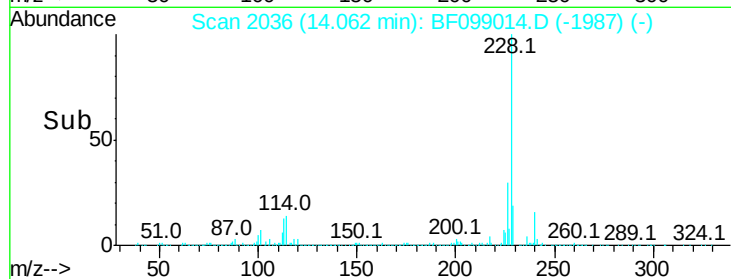
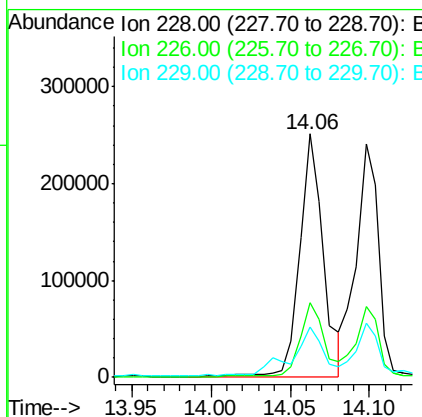
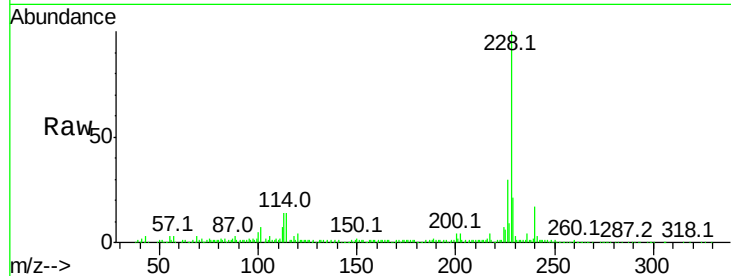
#80
Benzo(a)anthracene
Concen: 16.697 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF099014.D
Acq: 2 Oct 2017 21:56

Instrument :
BNA_F
ClientSampleId :
G-62-2.5-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	20.7	15.8	23.6

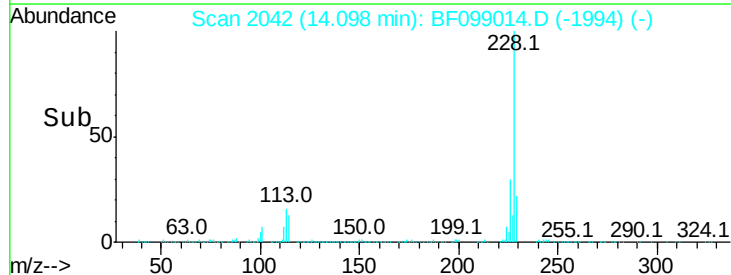
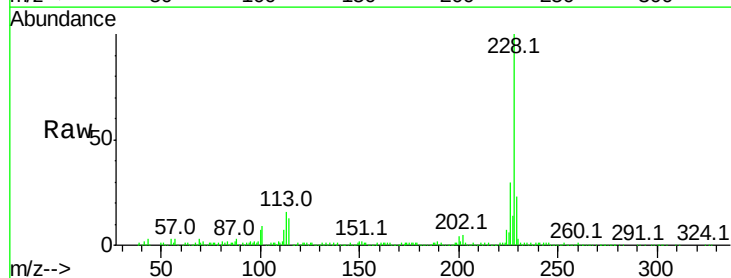
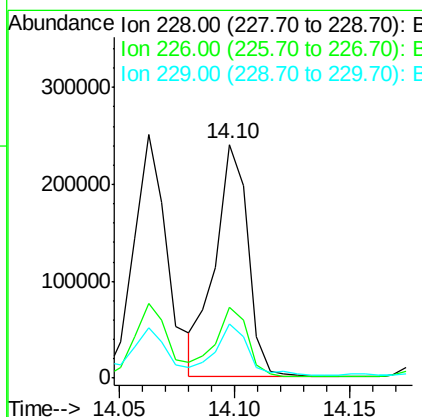
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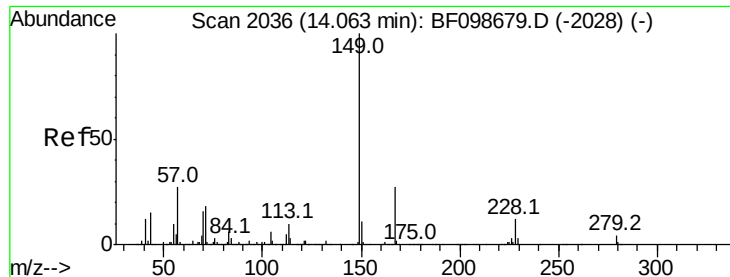
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#82
Chrysene
Concen: 16.179 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF099014.D
Acq: 2 Oct 2017 21:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	23.0	16.2	24.4





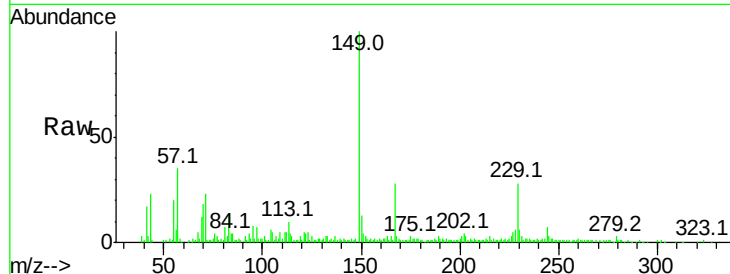
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.686 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.02 min
 Lab File: BF099014.D
 Acq: 2 Oct 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :
 G-62-2.5-5

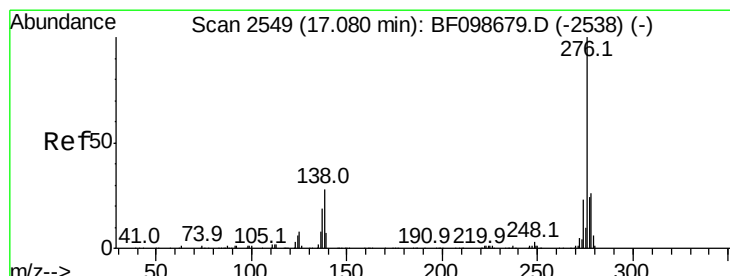
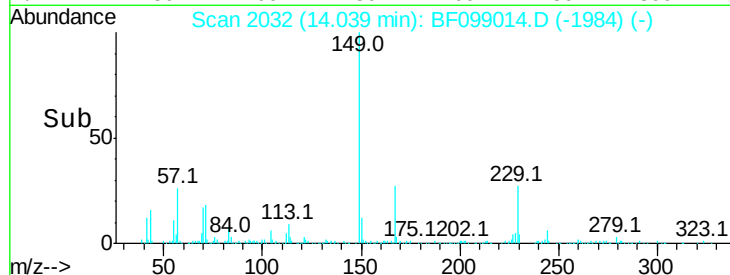
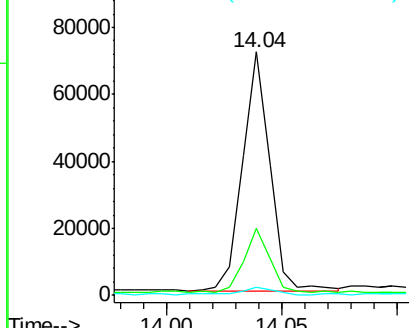
Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	27.5	21.3	31.9
279	3.3	3.0	4.4

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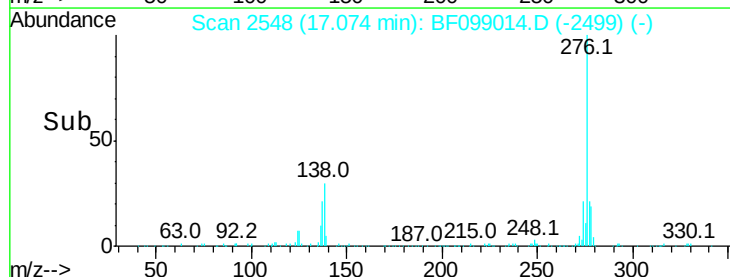
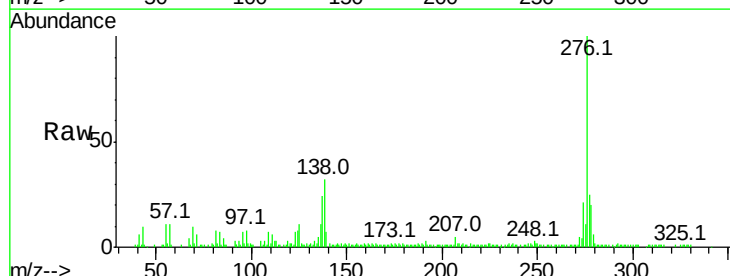
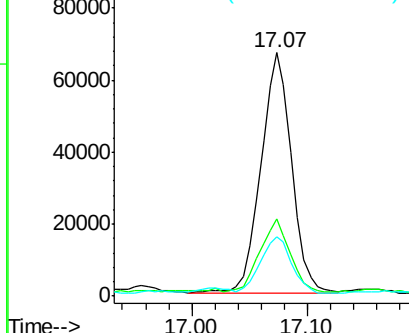
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

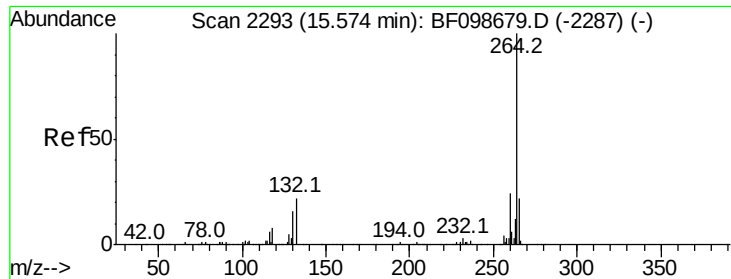


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.578 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BF099014.D
 Acq: 2 Oct 2017 21:56

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	29.6	25.0	37.6
277	24.2	20.1	30.1

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





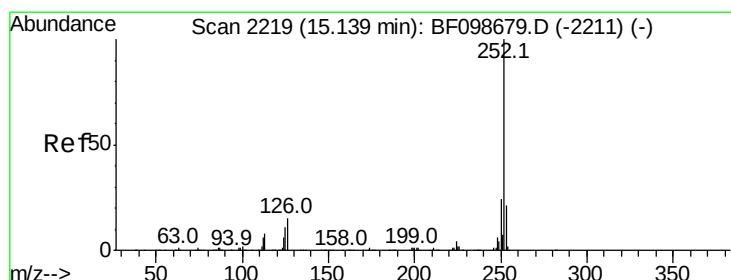
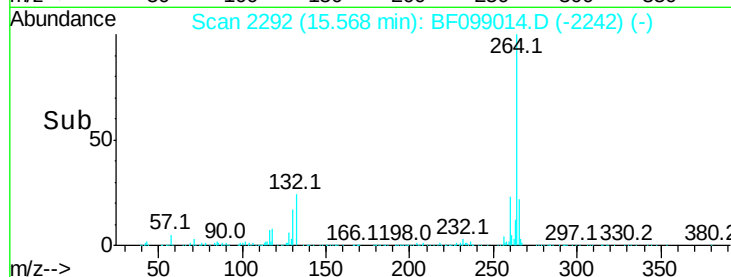
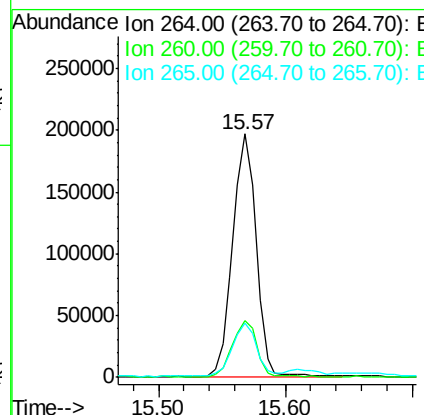
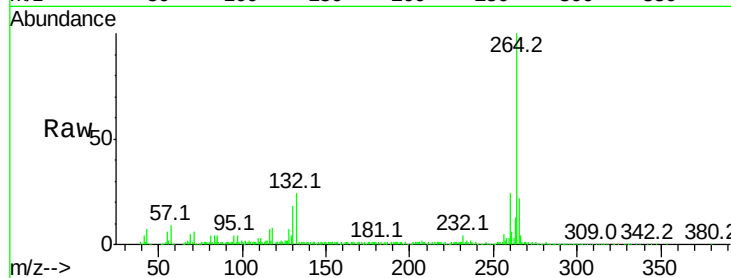
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF099014.D
Acq: 2 Oct 2017 21:56

Instrument :
BNA_F
ClientSampled :
G-62-2.5-5

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.6	19.2	28.8	
265	22.3	17.5	26.3	

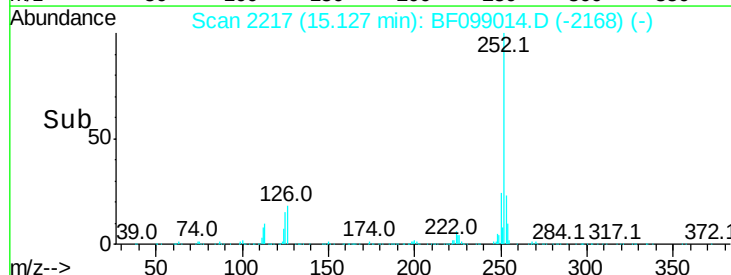
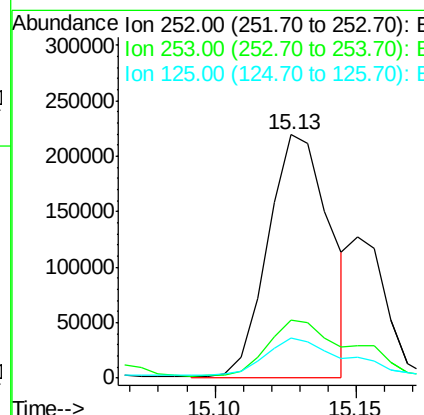
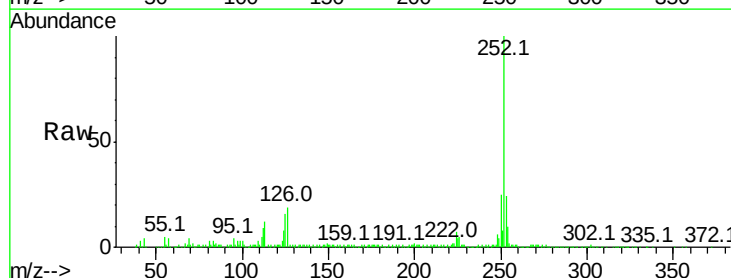
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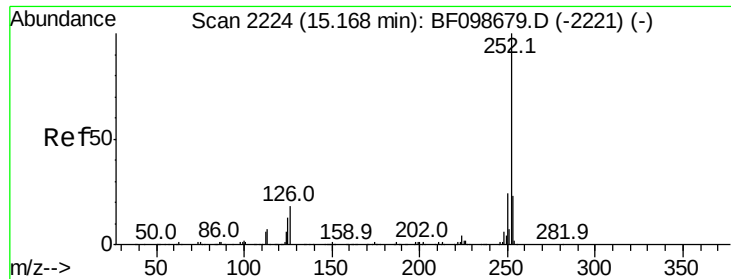
Sohil
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#87
Benzo(b)fluoranthene
Concen: 21.586 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF099014.D
Acq: 2 Oct 2017 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.8	17.0	25.6	
125	16.2	9.0	13.6	





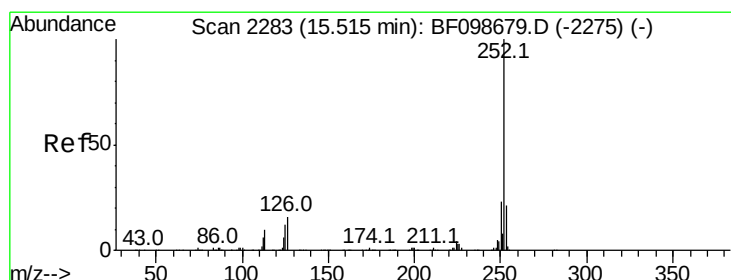
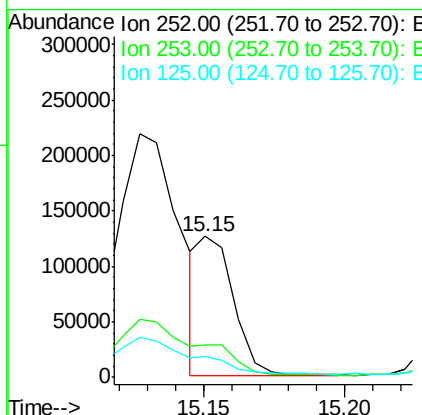
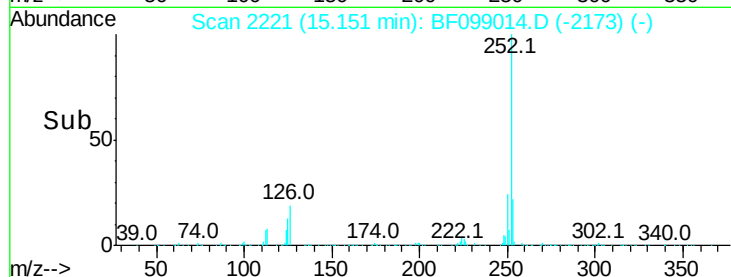
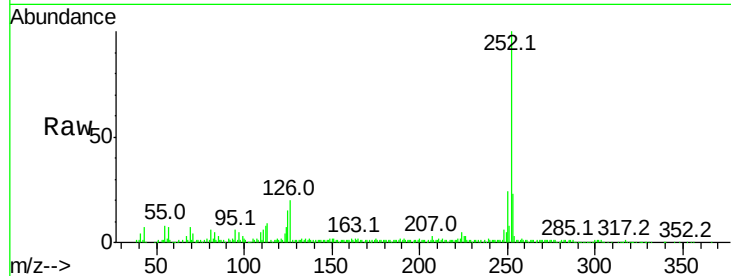
#88
Benzo(k)fluoranthene
Concen: 7.290 ng/mL
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF099014.D
Acq: 2 Oct 2017 21:56

Instrument :
BNA_F
ClientSampled :
G-62-2.5-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	15.0	10.2	15.2

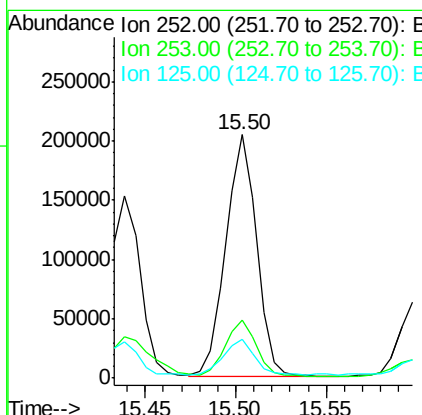
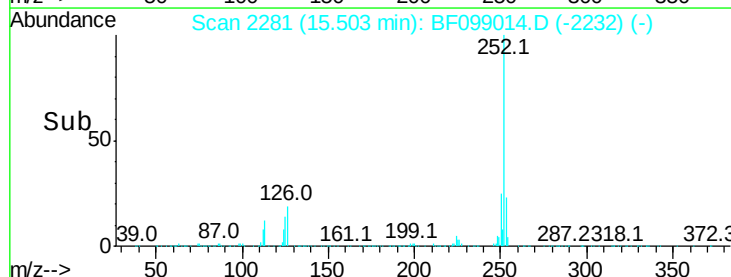
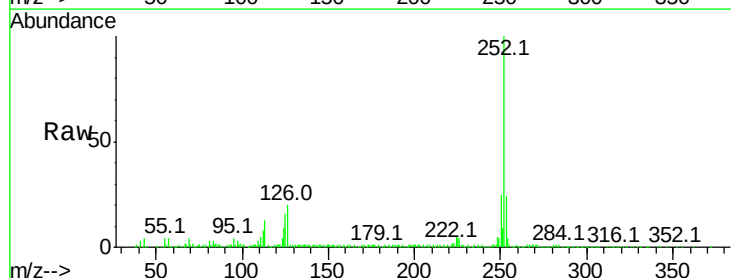
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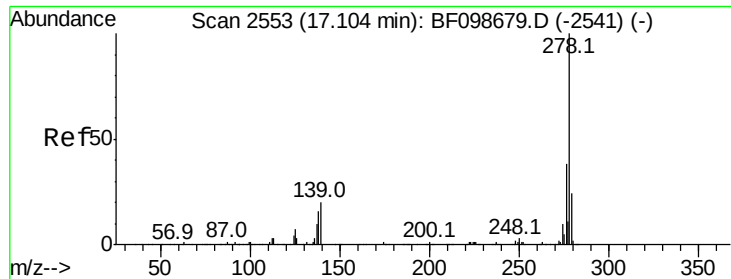
Sohil
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#89
Benzo(a)pyrene
Concen: 17.061 ng/mL
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF099014.D
Acq: 2 Oct 2017 21:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	15.7	9.8	14.6





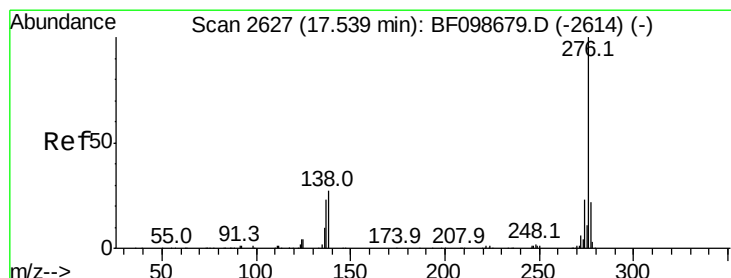
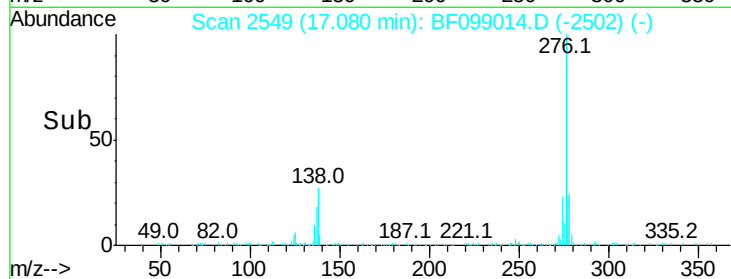
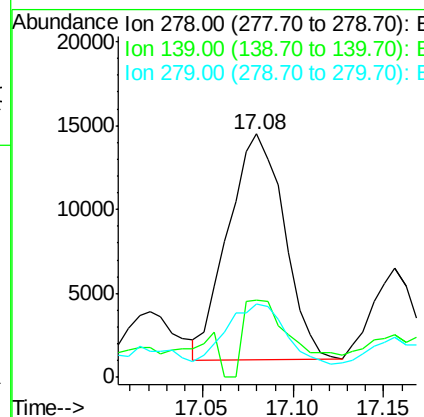
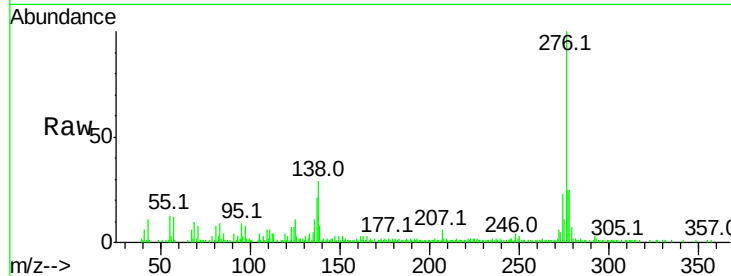
#90
Dibenzo(a,h)anthracene
Concen: 2.572 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.02 min
Lab File: BF099014.D
Acq: 2 Oct 2017 21:56

Instrument :
BNA_F
ClientSampleId :
G-62-2.5-5

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.9	15.9	23.9#
279	30.1	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 10.765 ng
RT: 17.53 min Scan# 2626
Delta R.T. -0.01 min
Lab File: BF099014.D
Acq: 2 Oct 2017 21:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	31.2	21.8	32.8

