

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099196.D
 Acq On : 7 Oct 2017 16:07
 Operator : SJ/JU
 Sample : I5586-19 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G56A-3-6

Manual Integrations
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Sohil
 10/9/2017 6:34:08 PM

Quant Time: Oct 09 10:55:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Oct 08 03:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	129972	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	502243	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	202664	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	297063	20.00	ng	0.00
75) Chrysene-d12	14.03	240	229373	20.00	ng	0.00
86) Perylene-d12	15.51	264	189583	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	378894	46.41	ng	0.00
7) Phenol-d6	6.49	99	451620	44.84	ng	0.00
23) Nitrobenzene-d5	7.43	82	259535	33.14	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	69124	41.68	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	496463	40.90	ng	0.00
78) Terphenyl-d14	12.97	244	319600	31.69	ng	0.00
Target Compounds						
31) Naphthalene	8.17	128	99350	4.212	ng	99
37) 2-Methylnaphthalene	8.86	142	74767	4.876	ng	99
49) Dimethylphthalate	9.61	163	81035	5.298	ng	98
54) Dibenzofuran	10.10	168	37449	2.218	ng	# 95
70) Phenanthrene	11.41	178	115908	7.289	ng	98
71) Anthracene	11.46	178	36330	2.233	ng	99
74) Fluoranthene	12.60	202	172403	10.707	ng	98
77) Pyrene	12.83	202	147567	8.437	ng	99
80) Benzo(a)anthracene	14.02	228	94230	6.784	ng	97
82) Chrysene	14.05	228	111185	8.408	ng	96
85) Indeno(1,2,3-cd)pyrene	16.99	276	37441	3.540	ng	98
87) Benzo(b)fluoranthene	15.07	252	152245m	13.061	ng	
88) Benzo(k)fluoranthene	15.10	252	45404m	3.944	ng	
89) Benzo(a)pyrene	15.44	252	54394	5.084	ng	# 89
91) Benzo(a,h,i)perylene	17.44	276	32192	3.803	ng	92

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

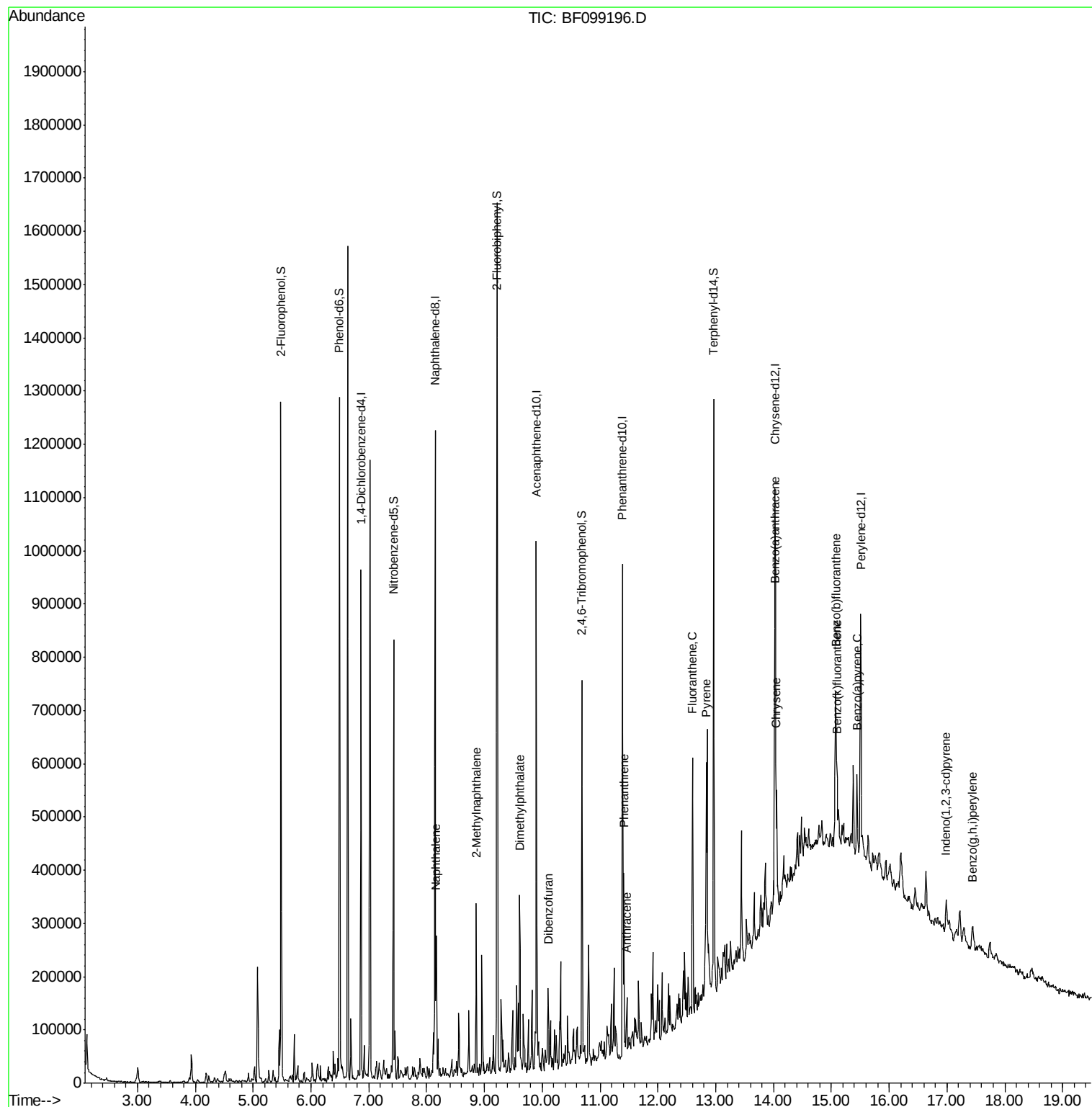
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099196.D
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ALS Vial : 13 Sample Multiplier: 1

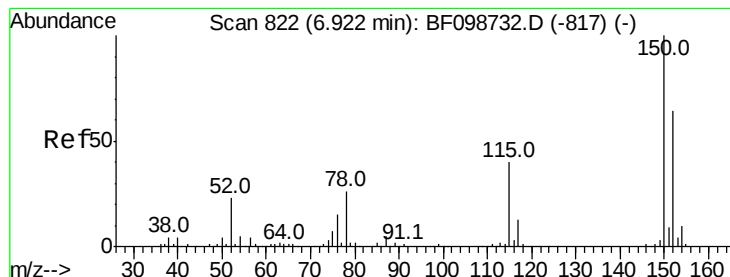
Instrument :
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#1

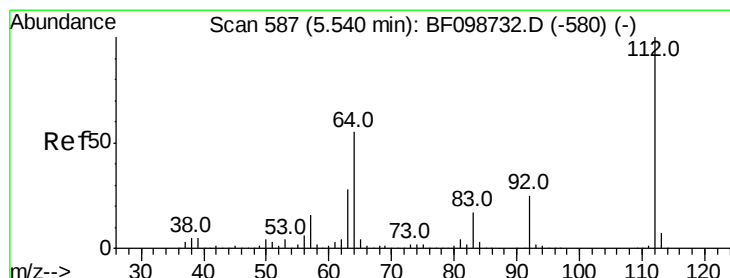
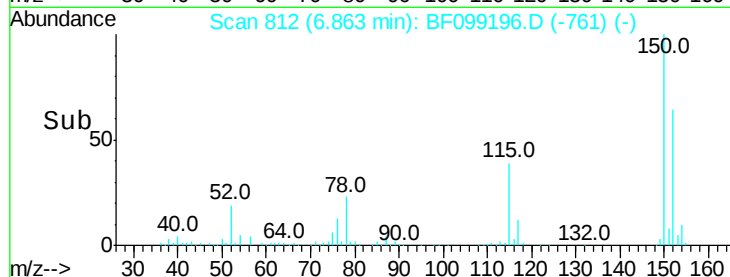
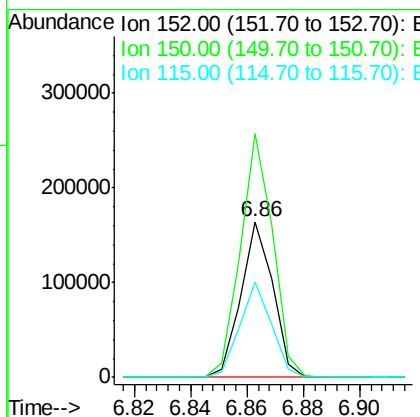
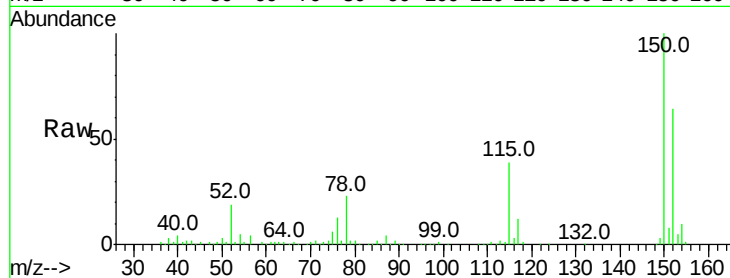
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Instrument :
BNA_F
ClientSampleId :
G56A-3-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	61.3	50.1	75.1

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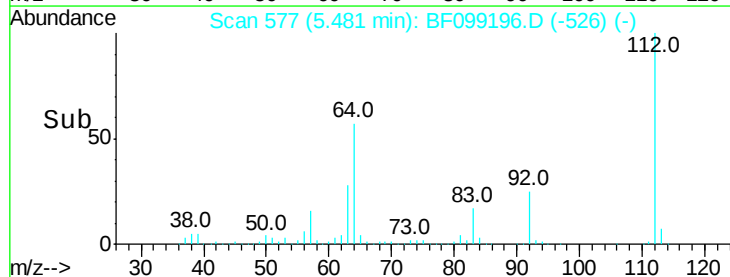
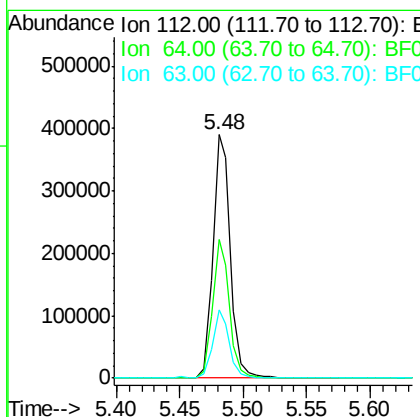
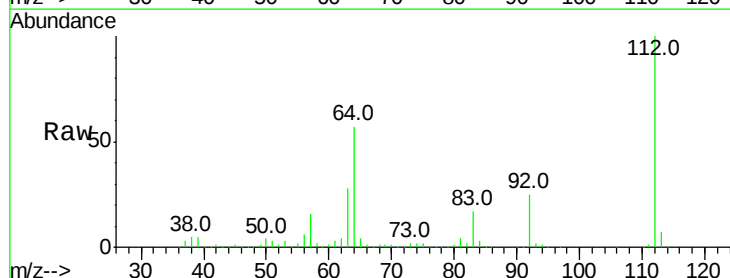
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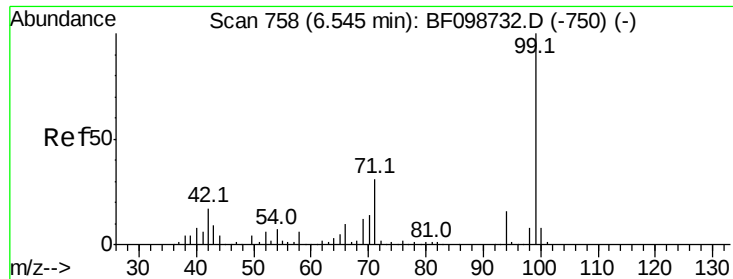


#5

2-Fluorophenol
Concen: 46.407 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	28.0	23.7	35.5





#7

Phenol-d6

Concen: 44.839 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

Instrument :

BNA_F

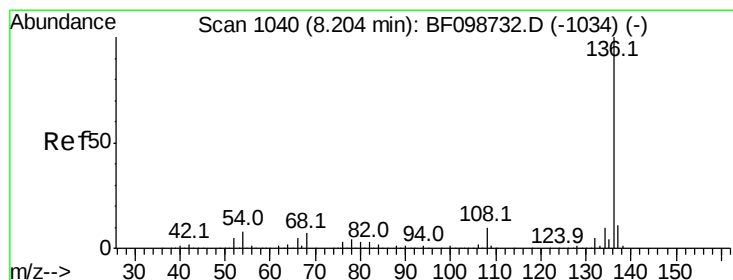
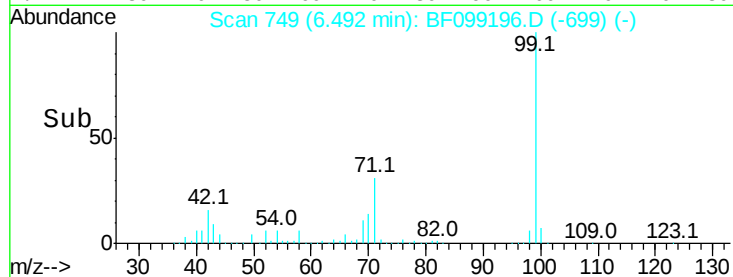
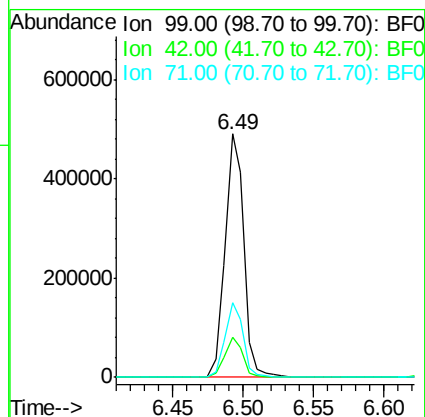
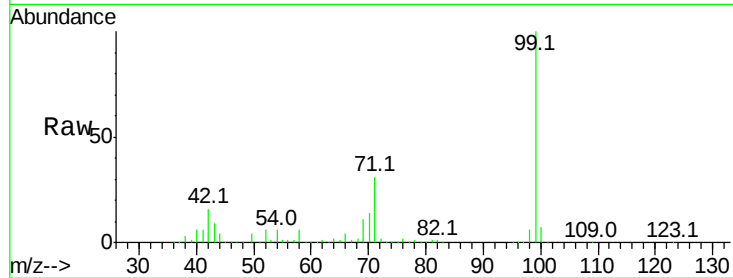
ClientSampleId :

G56A-3-6

Tot Ion:	99	Resp:	451620
Ion Ratio	Lower	Upper	
99	100		
42	16.3	14.5	21.7
71	30.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

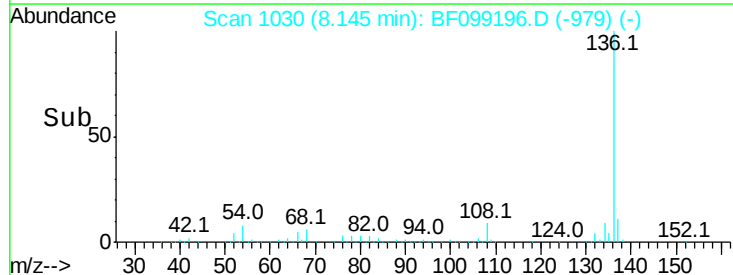
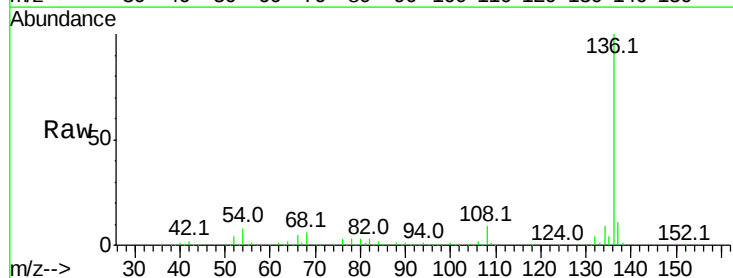
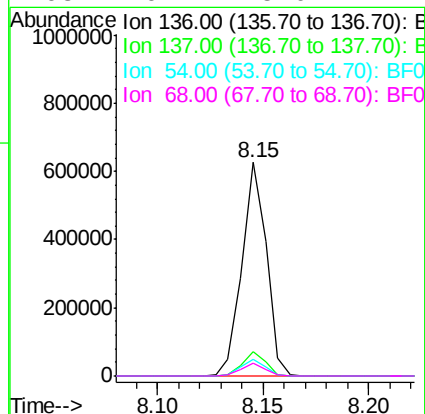
RT: 8.15 min Scan# 1030

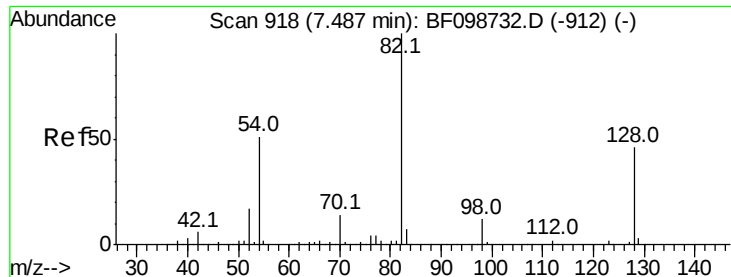
Delta R.T. -0.00 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

Tgt Ion:	136	Resp:	502243
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.7	6.6	9.8
68	6.1	5.0	7.4





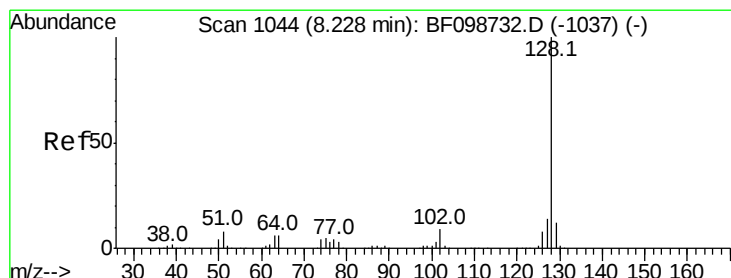
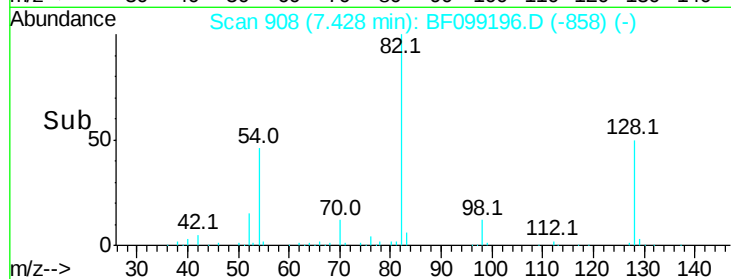
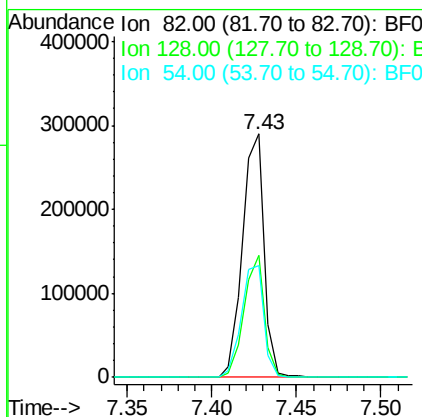
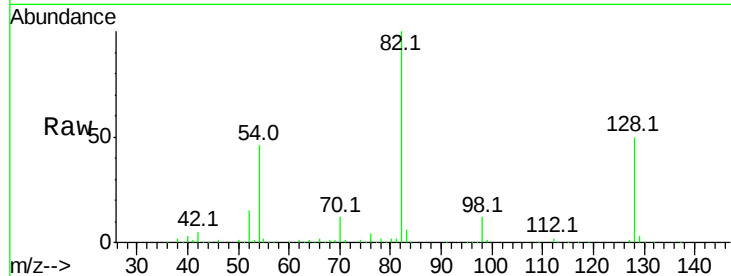
#23
Nitrobenzene-d5
Concen: 33.139 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Instrument :
BNA_F
ClientSampled :
G56A-3-6

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	50.2	36.1	54.1
54	45.7	41.4	62.2

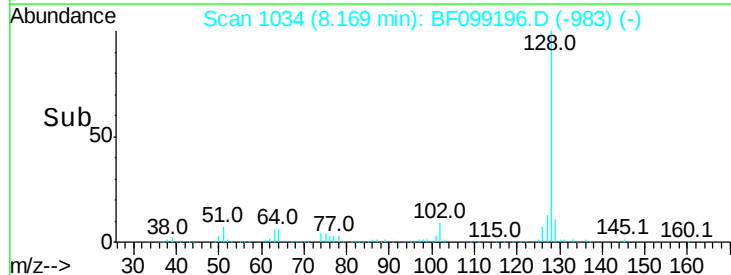
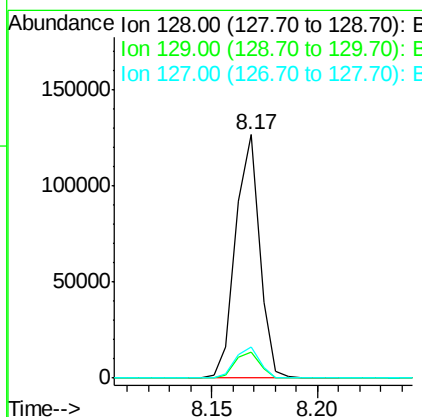
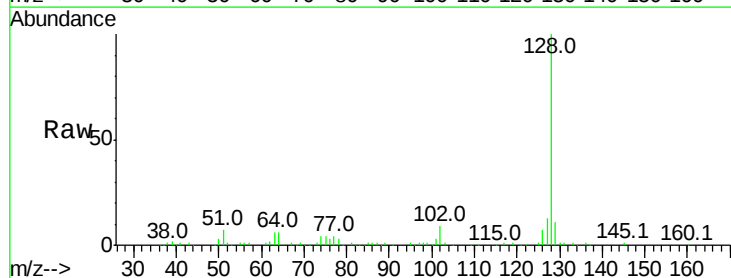
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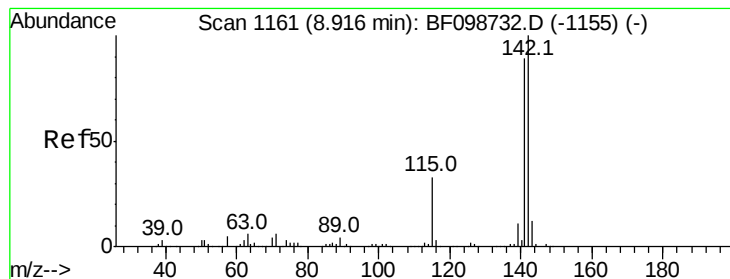
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#31
Naphthalene
Concen: 4.212 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.0	10.9	16.3





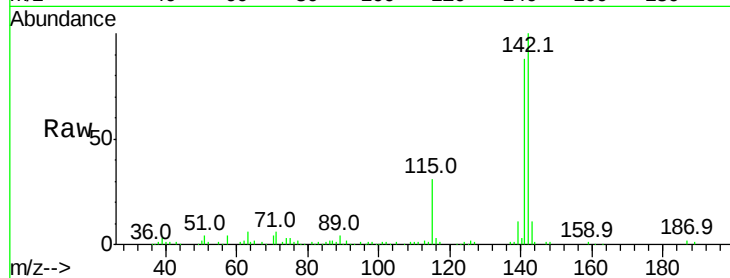
#37
2-Methylnaphthalene
Concen: 4.876 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Instrument :
BNA_F
ClientSampled :
G56A-3-6

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.8	106.2
115	30.9	26.1	39.1

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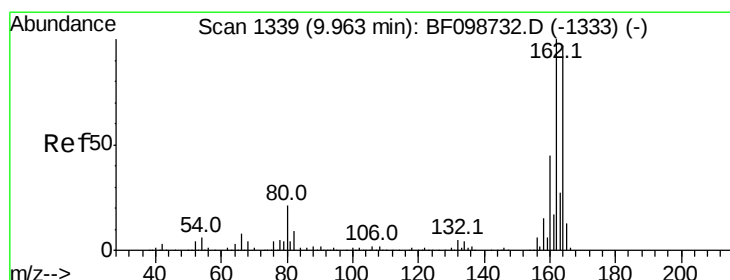
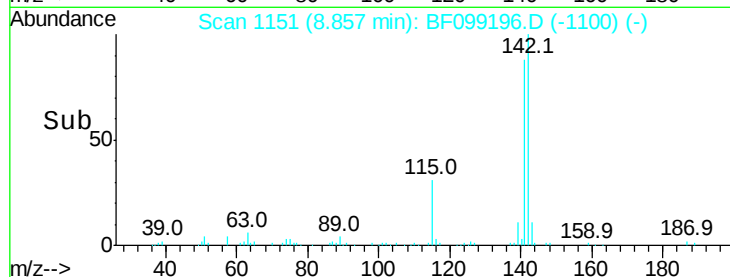
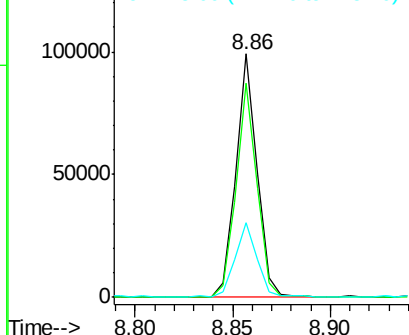


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

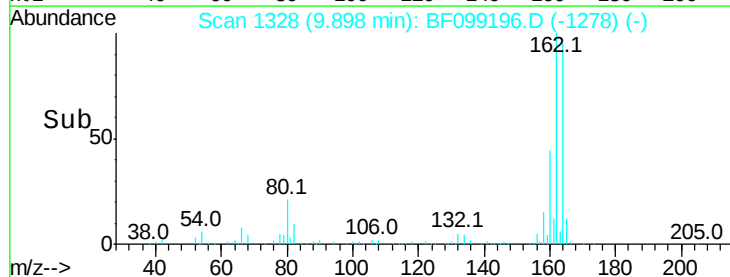
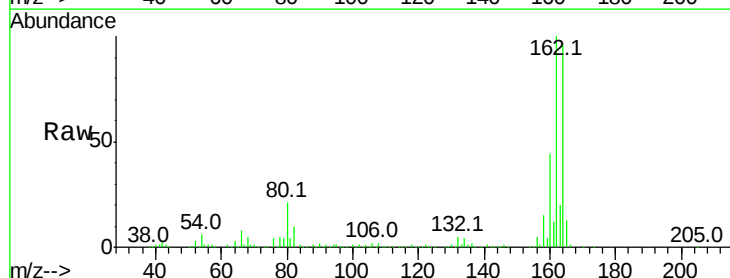
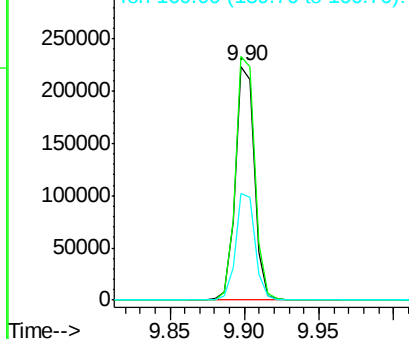
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	86.1	129.1
160	45.8	38.3	57.5

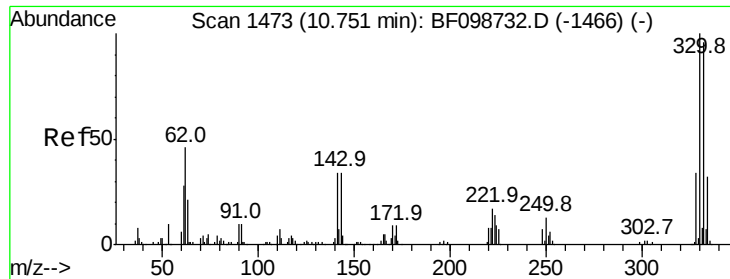
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





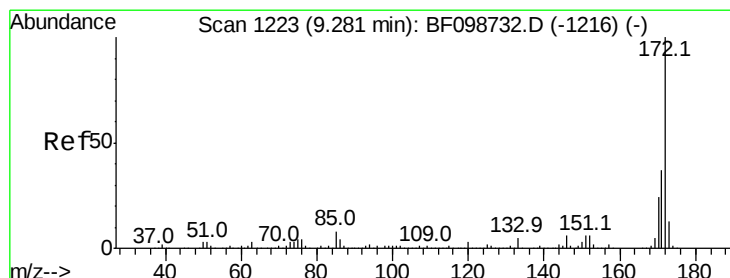
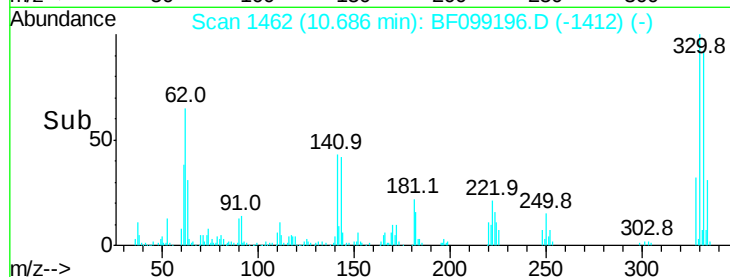
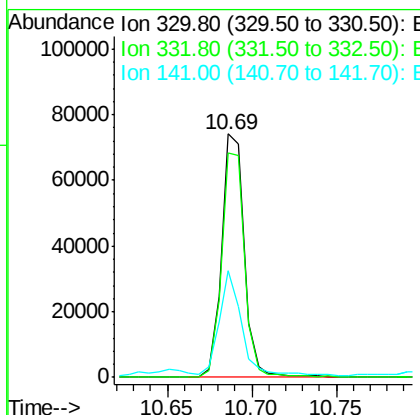
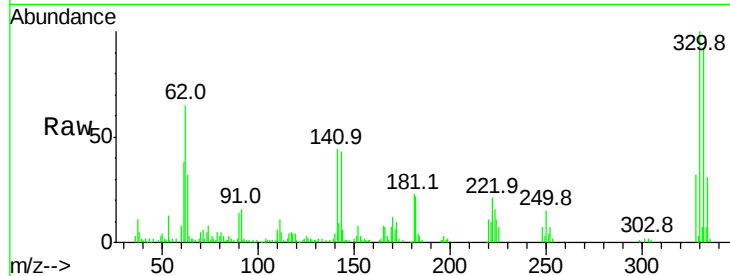
#41
 2,4,6-Tribromophenol
 Concen: 41.683 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099196.D
 Acq: 7 Oct 2017 16:07

Instrument :
 BNA_F
 ClientSampled :
 G56A-3-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.0	115.6
141	44.4	29.9	44.9

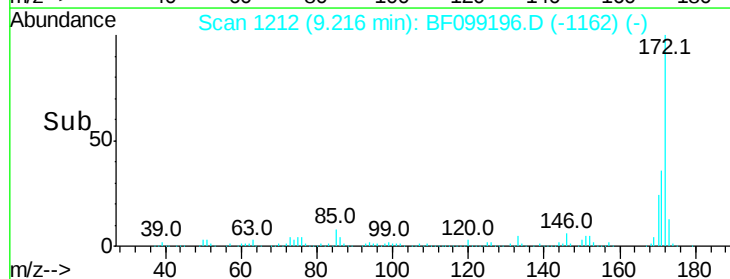
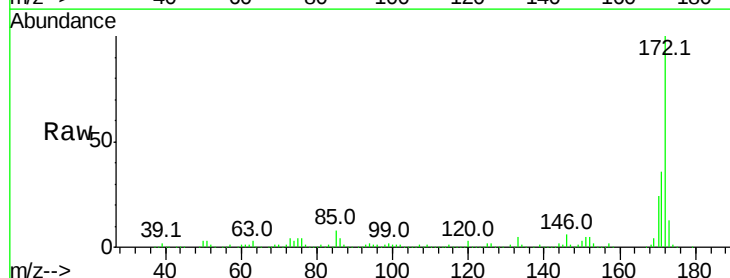
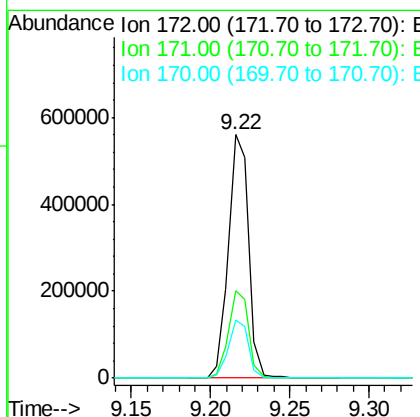
Manual Integrations
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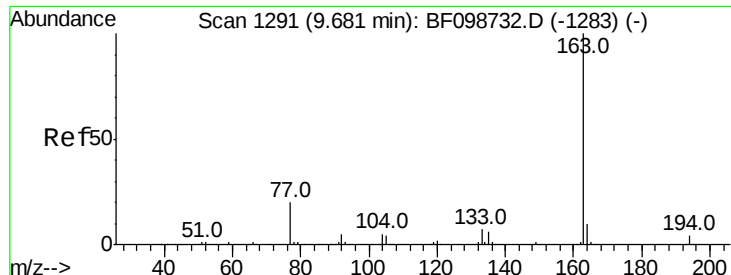
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#44
 2-Fluorobiphenyl
 Concen: 40.895 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099196.D
 Acq: 7 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.0	19.6	29.4





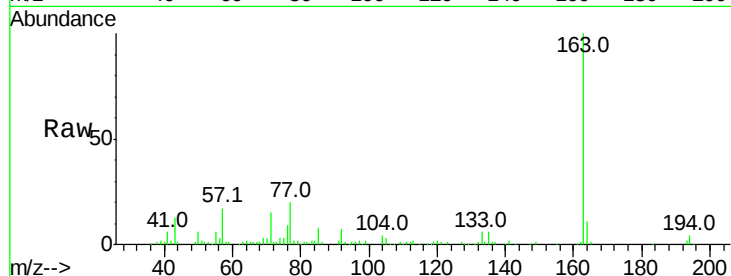
#49
Dimethylphthalate
Concen: 5.298 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Instrument :
BNA_F
ClientSampled :
G56A-3-6

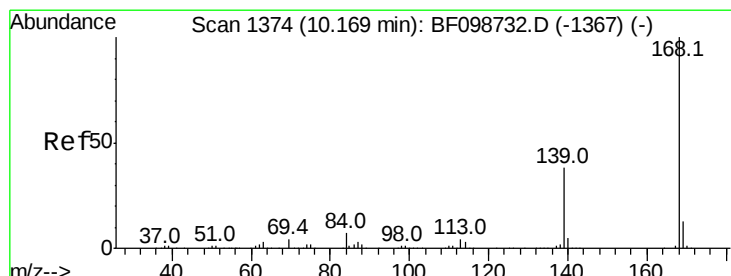
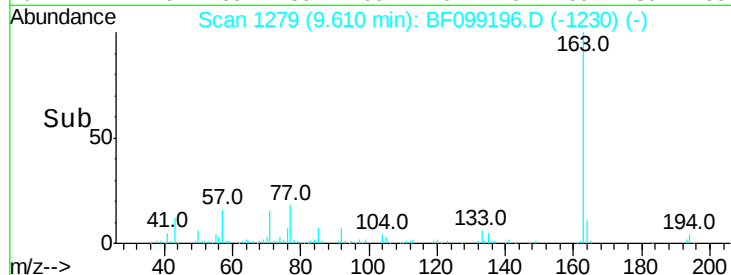
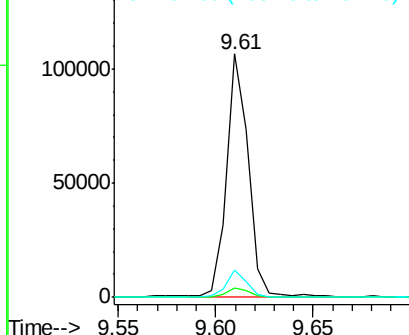
Tot Ion	Ratio	Resp	Lower	Upper
163	100	81035		
194	3.7		2.7	4.1
164	11.1		8.2	12.2

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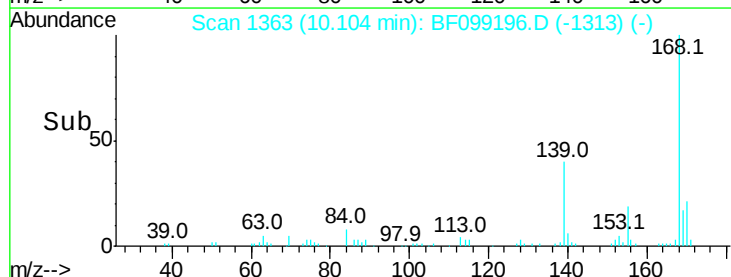
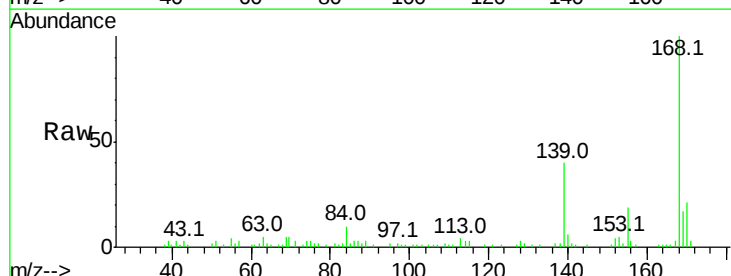
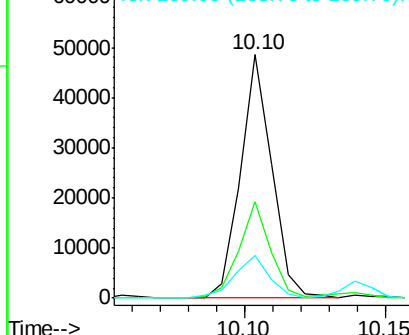
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

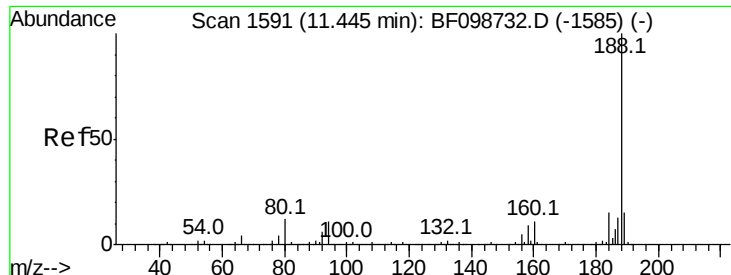


#54
Dibenzofuran
Concen: 2.218 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	37449		
139	39.7		30.1	45.1
169	17.3		10.9	16.3#

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





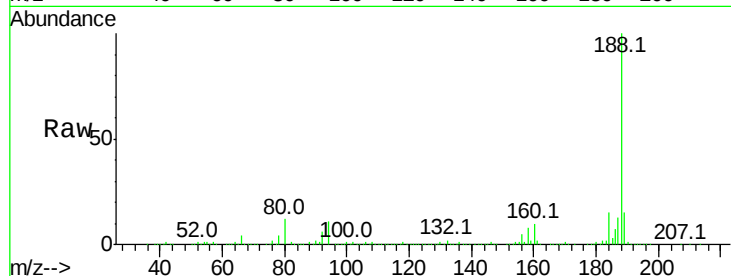
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Instrument :
BNA_F
ClientSampled :
G56A-3-6

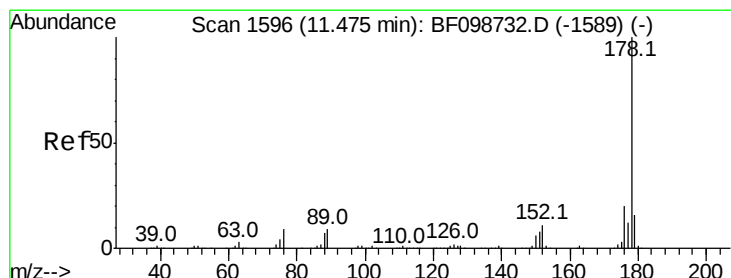
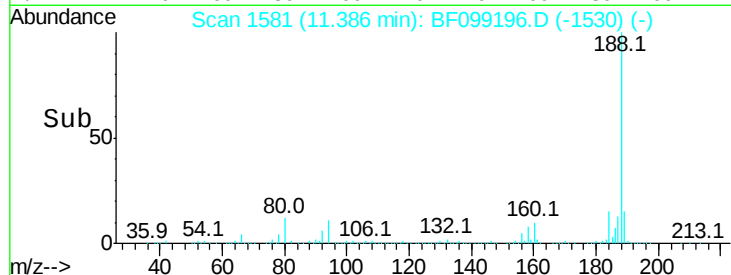
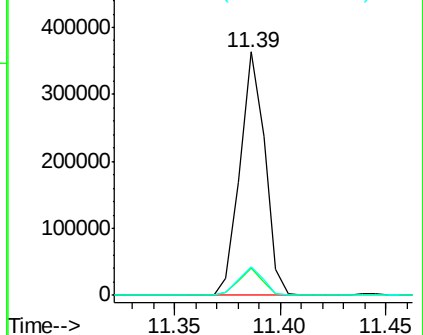
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.1	8.5	12.7
80	11.6	9.2	13.8

Manual Integrations
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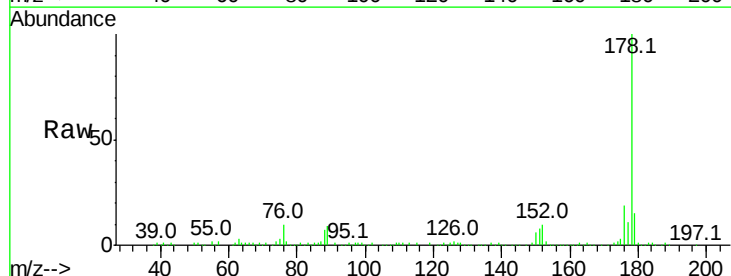


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

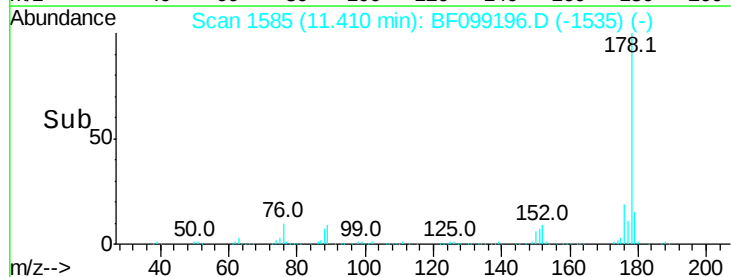
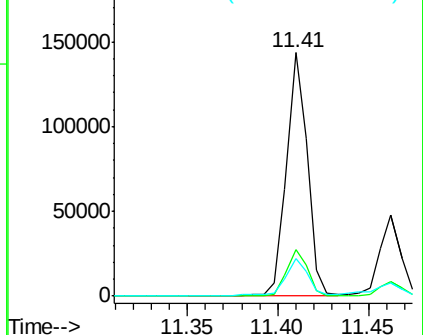


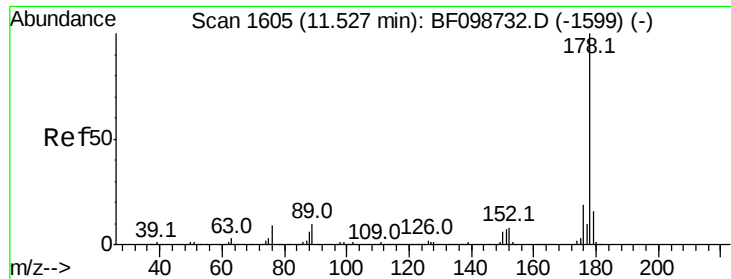
#70
Phenanthrene
Concen: 7.289 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.3	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





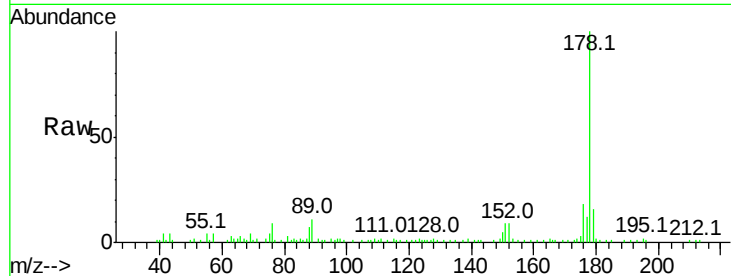
#71
 Anthracene
 Concen: 2.233 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF099196.D
 Acq: 7 Oct 2017 16:07

Instrument :
 BNA_F
 ClientSampled :
 G56A-3-6

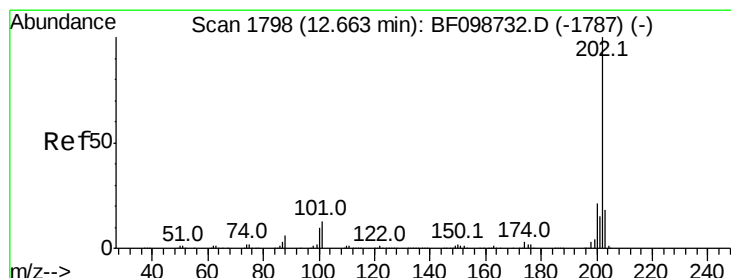
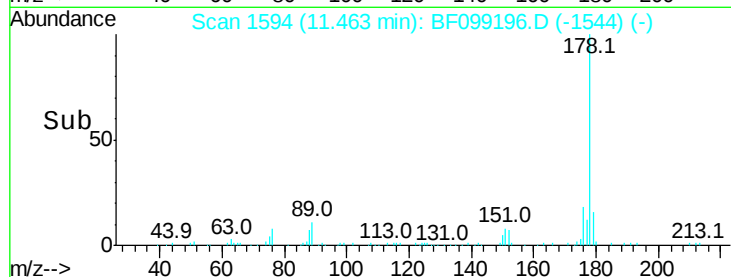
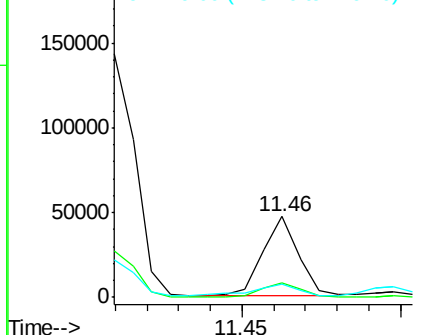
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.7	12.6	19.0

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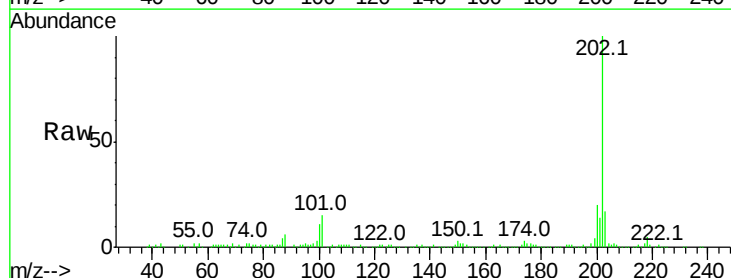


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

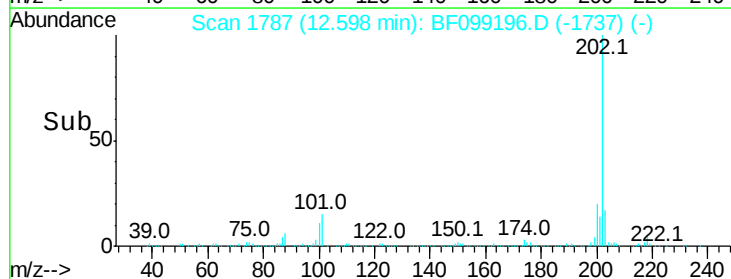
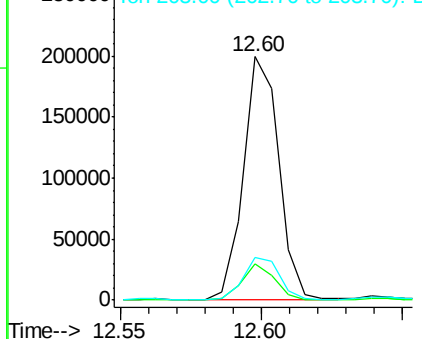


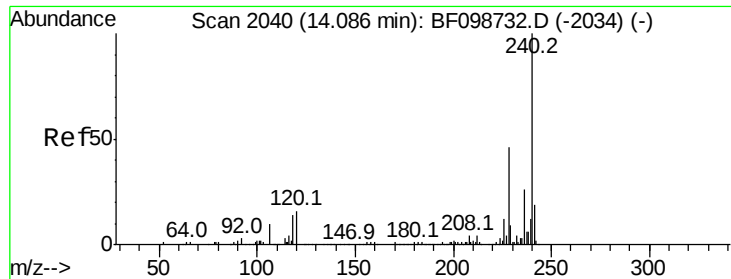
#74
 Fluoranthene
 Concen: 10.707 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.01 min
 Lab File: BF099196.D
 Acq: 7 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	34.1
203	17.4	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

Instrument :

BNA_F

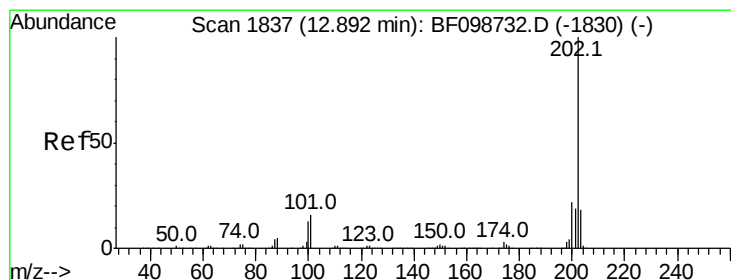
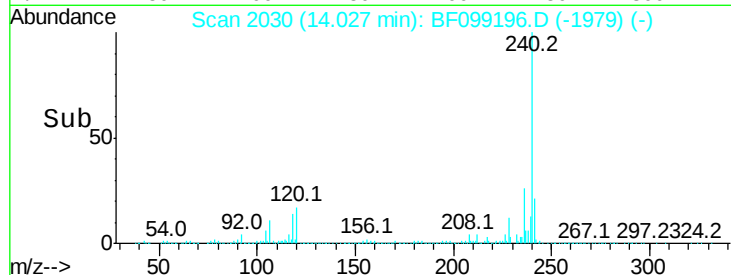
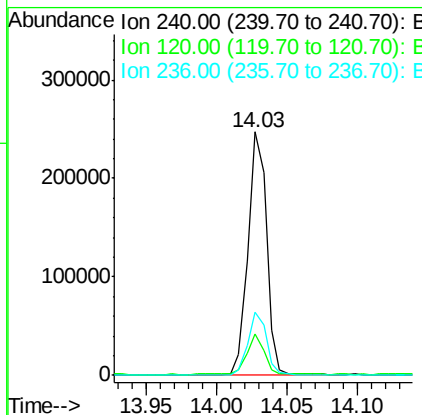
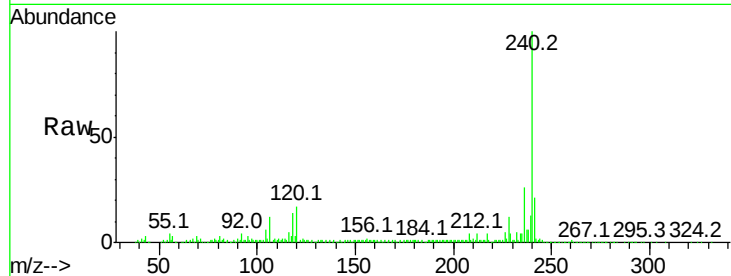
ClientSampleId :

G56A-3-6

Tot Ion:	240	Resp:	229373
Ion Ratio	Lower	Upper	
240	100		
120	16.9	9.5	14.3#
236	25.9	20.7	31.1

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#77

Pyrene

Concen: 8.437 ng

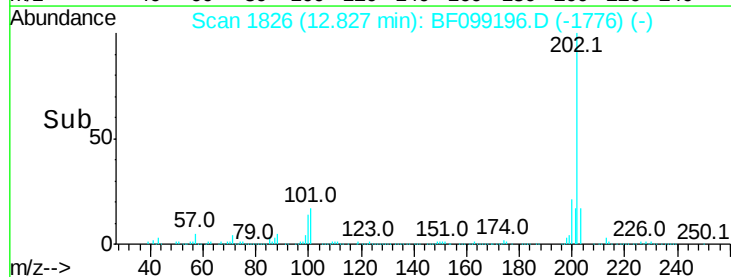
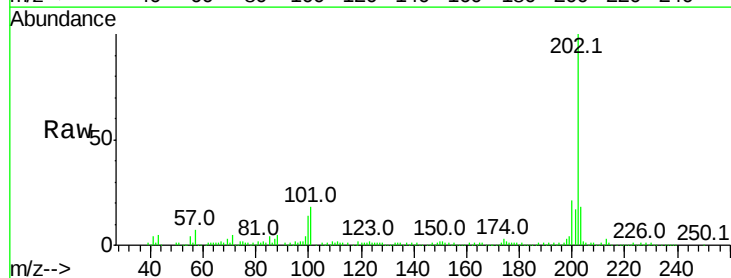
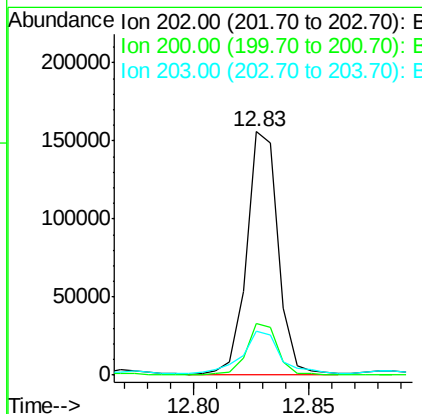
RT: 12.83 min Scan# 1826

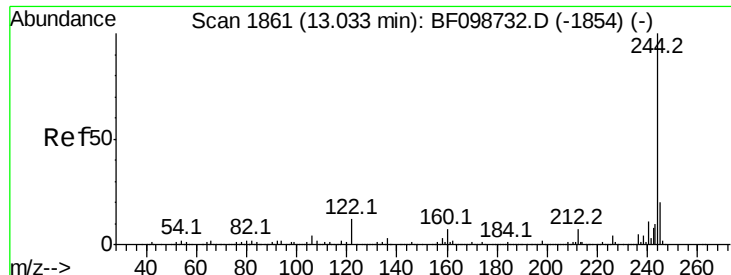
Delta R.T. -0.01 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

Tgt Ion:	202	Resp:	147567
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	18.3	14.3	21.5





#78

Terphenyl-d14

Concen: 31.688 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

Instrument :

BNA_F

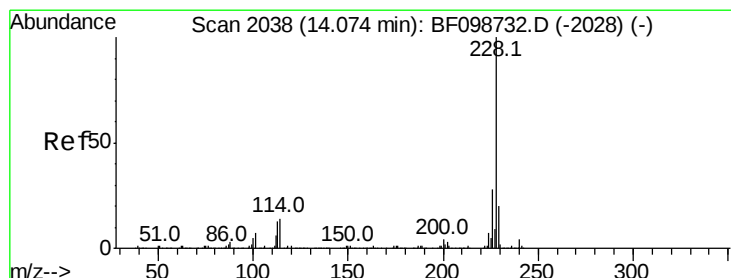
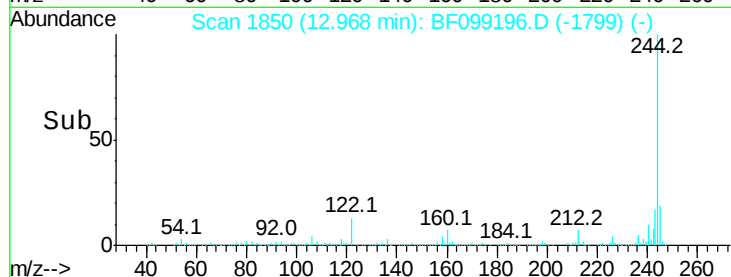
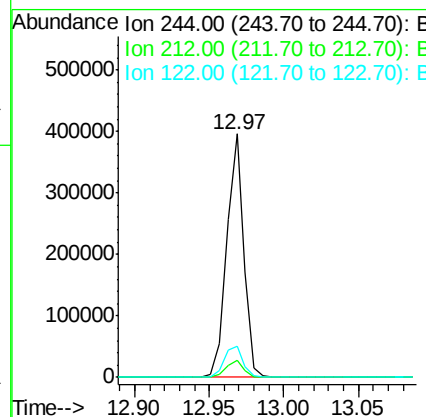
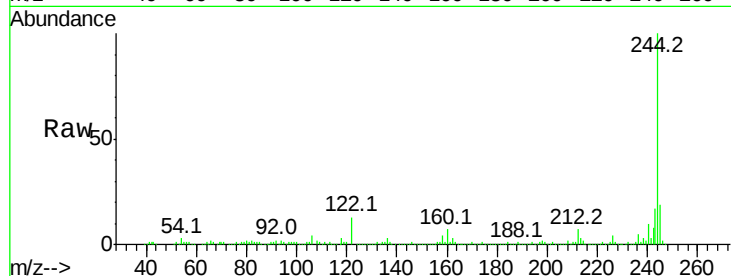
ClientSampled :

G56A-3-6

Tot Ion:	244	Resp:	319600
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	13.0	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 6.784 ng

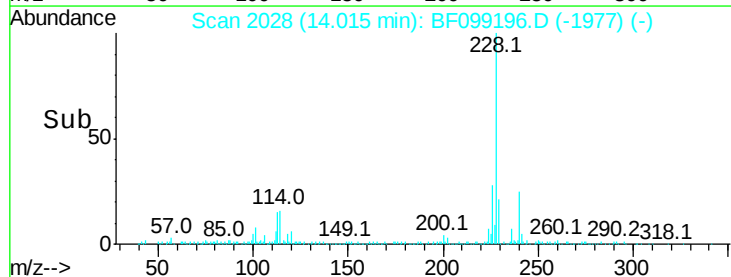
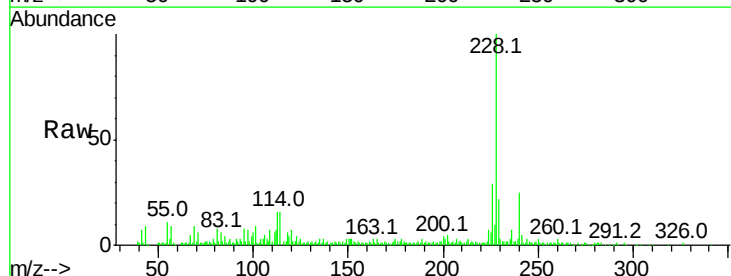
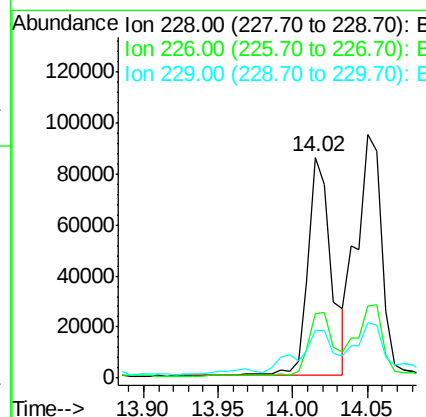
RT: 14.02 min Scan# 2028

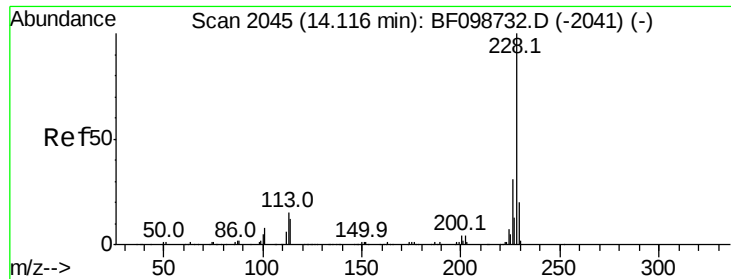
Delta R.T. -0.00 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

Tgt Ion:	228	Resp:	94230
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.6	33.8
229	21.9	15.8	23.6





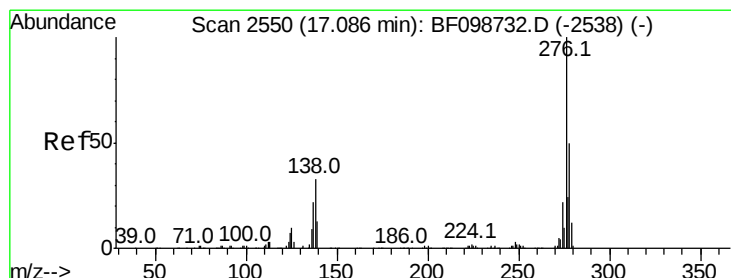
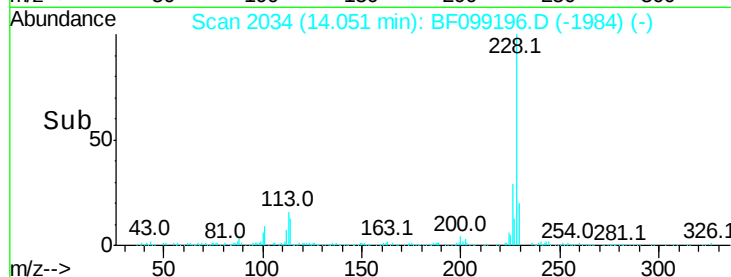
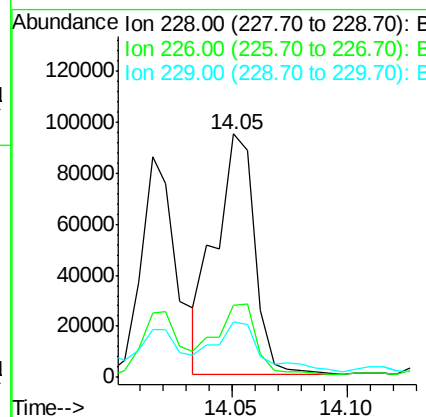
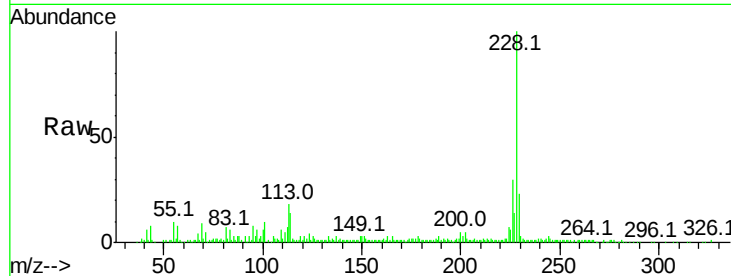
#82
Chrysene
Concen: 8.408 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Instrument :
BNA_F
ClientSampleId :
G56A-3-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	22.7	16.2	24.4

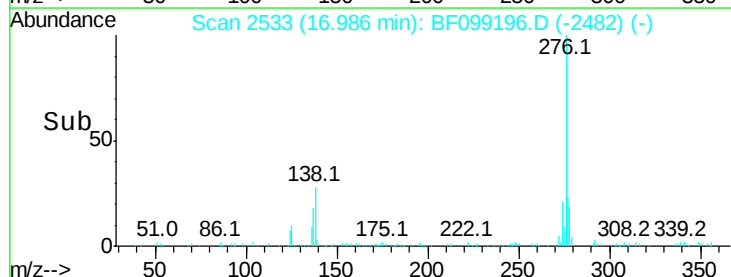
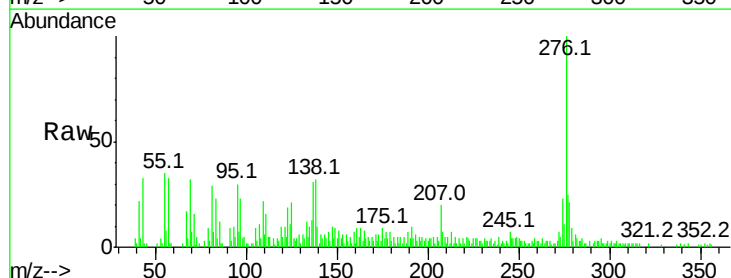
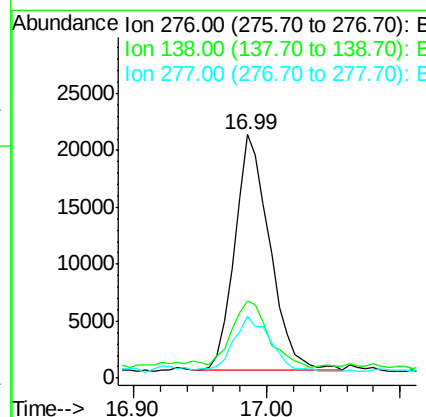
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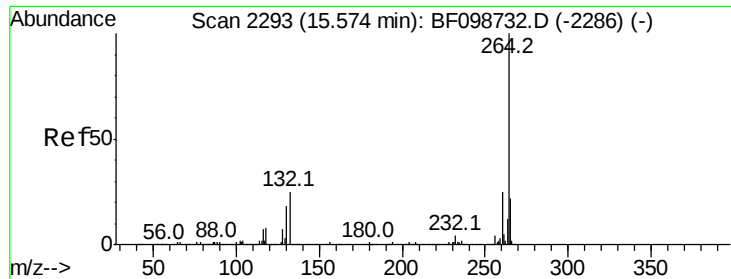
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.540 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.00 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.0	25.0	37.6
277	25.2	20.1	30.1





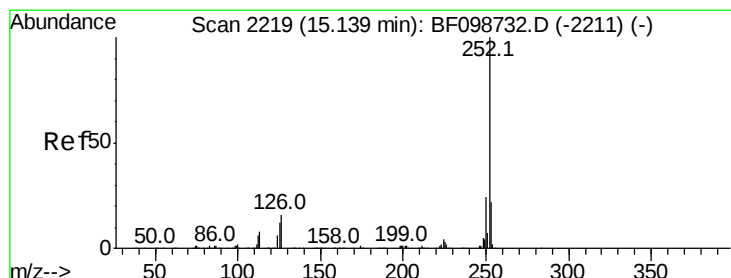
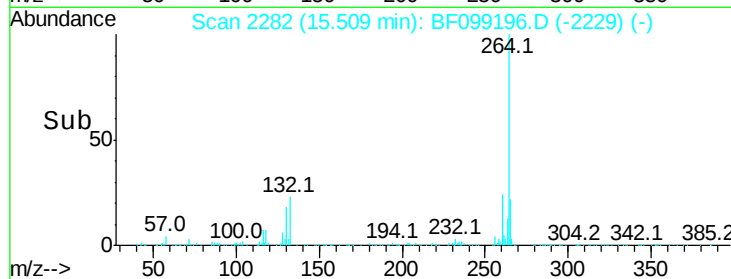
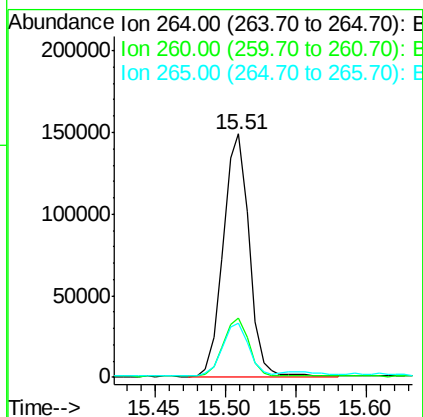
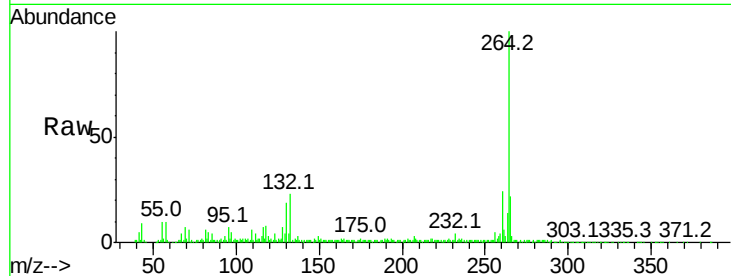
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Instrument :
BNA_F
ClientSampleId :
G56A-3-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.3	17.5	26.3

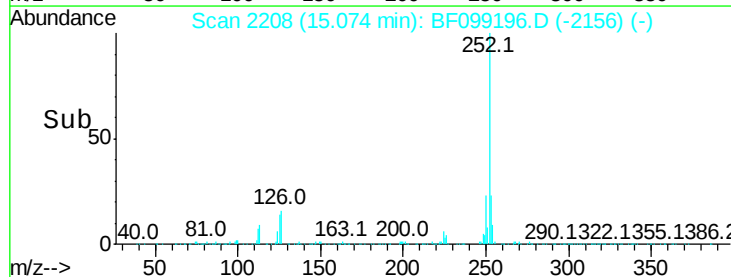
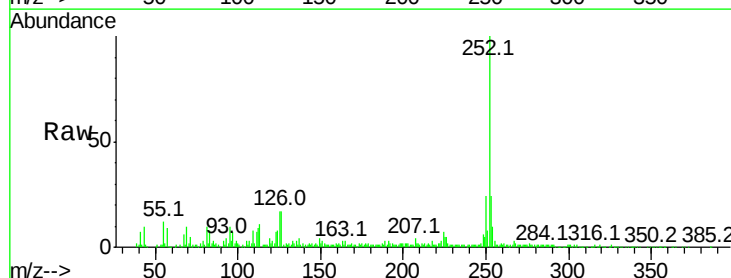
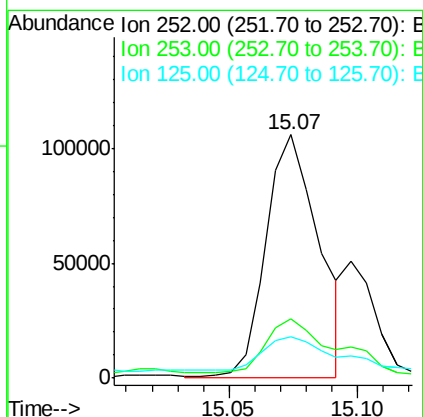
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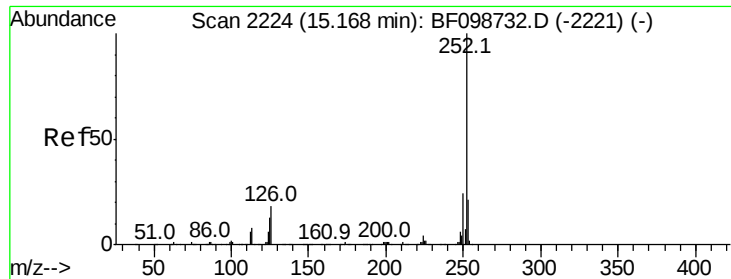
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#87
Benzo(b)fluoranthene
Concen: 13.061 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	17.0	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 3.944 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.00 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

Instrument :

BNA_F

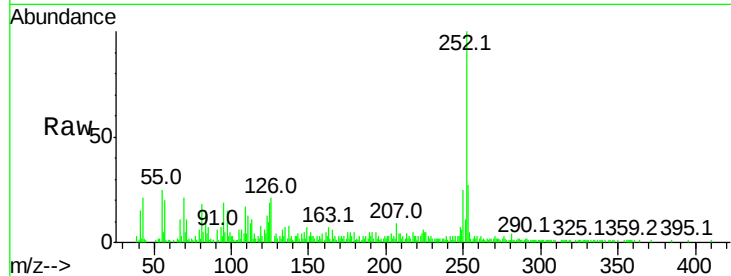
ClientSampled :

G56A-3-6

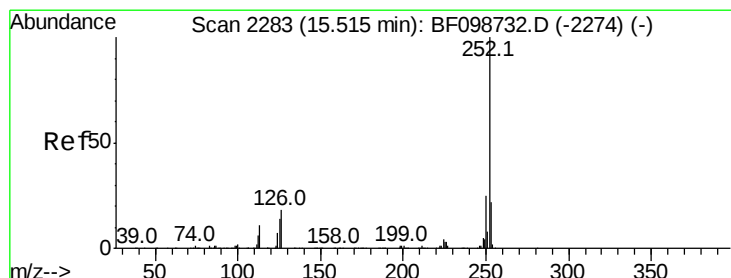
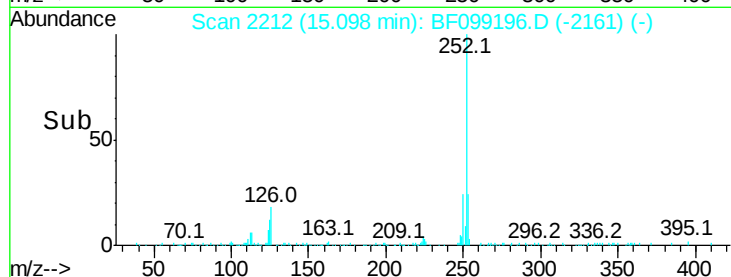
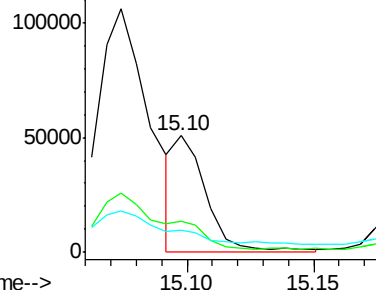
Tot Ion:	252	Resp:	45404
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.9	26.9#
125	18.7	10.2	15.2#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 5.084 ng

RT: 15.44 min Scan# 2271

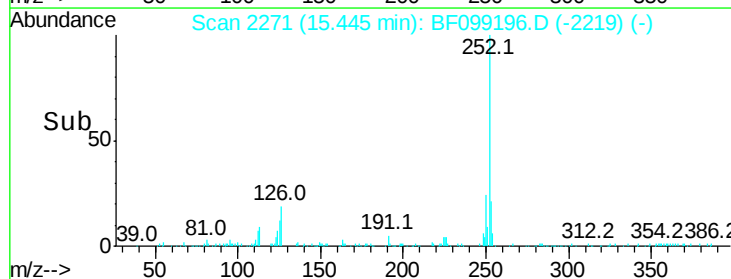
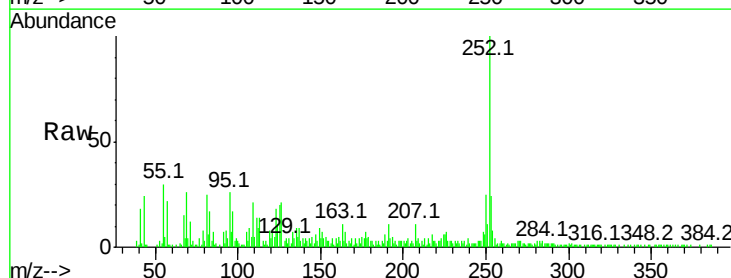
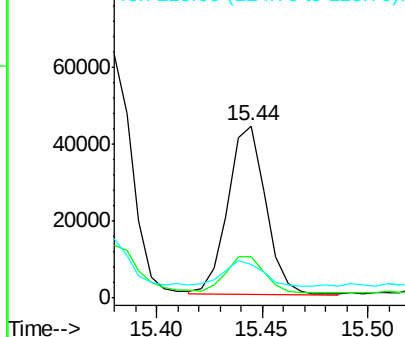
Delta R.T. 0.01 min

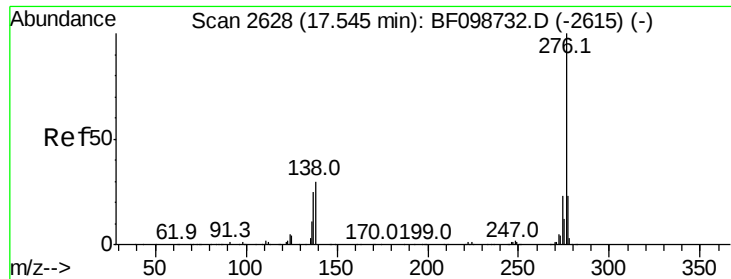
Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

Tgt Ion:	252	Resp:	54394
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.1	25.7
125	19.8	9.8	14.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 3.803 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. 0.01 min
 Lab File: BF099196.D
 Acq: 7 Oct 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :
 G56A-3-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	32.6	21.8	32.8

Manual Integrations
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