

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099117.D
 Acq On : 5 Oct 2017 21:41
 Operator : SJ/JU
 Sample : I5604-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-100217

Manual Integrations
 APPROVED

Sohil
 10/6/2017 5:34:55 PM

Quant Time: Oct 06 03:00:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	151482	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	635234	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	276562	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	441638	20.00	ng	0.00
75) Chrysene-d12	14.03	240	261417	20.00	ng	0.00
86) Perylene-d12	15.50	264	263949	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	957546	100.63	ng	0.00
7) Phenol-d6	6.50	99	1202806	102.46	ng	0.00
23) Nitrobenzene-d5	7.43	82	753767	76.10	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	204005	90.15	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1227504	74.10	ng	0.00
78) Terphenyl-d14	12.97	244	816712	71.05	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.50	94	30590	2.330	ng	89
31) Naphthalene	8.17	128	144142	4.831	ng	99
37) 2-Methylnaphthalene	8.86	142	71921	3.708	ng	99
48) Acenaphthylene	9.76	152	67855	2.484	ng	99
49) Dimethylphthalate	9.61	163	213306	10.219	ng	100
70) Phenanthrene	11.41	178	422952	17.892	ng	99
71) Anthracene	11.46	178	109392	4.523	ng	98
72) Carbazole	11.62	167	49965	2.109	ng	99
74) Fluoranthene	12.60	202	630042	26.320	ng	99
77) Pyrene	12.83	202	569151	28.552	ng	99
80) Benzo(a)anthracene	14.02	228	271710	17.165	ng	96
82) Chrysene	14.05	228	255173	16.932	ng	97
85) Indeno(1,2,3-cd)pyrene	16.98	276	160925	13.349	ng	98
87) Benzo(b)fluoranthene	15.07	252	340008m	20.951	ng	
88) Benzo(k)fluoranthene	15.10	252	126395m	7.885	ng	
89) Benzo(a)pyrene	15.44	252	242688	16.291	ng	95
90) Dibenzo(a,h)anthracene	16.99	278	41863m	3.511	ng	
91) Benzo(g,h,i)perylene	17.43	276	152438	12.936	ng	95

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

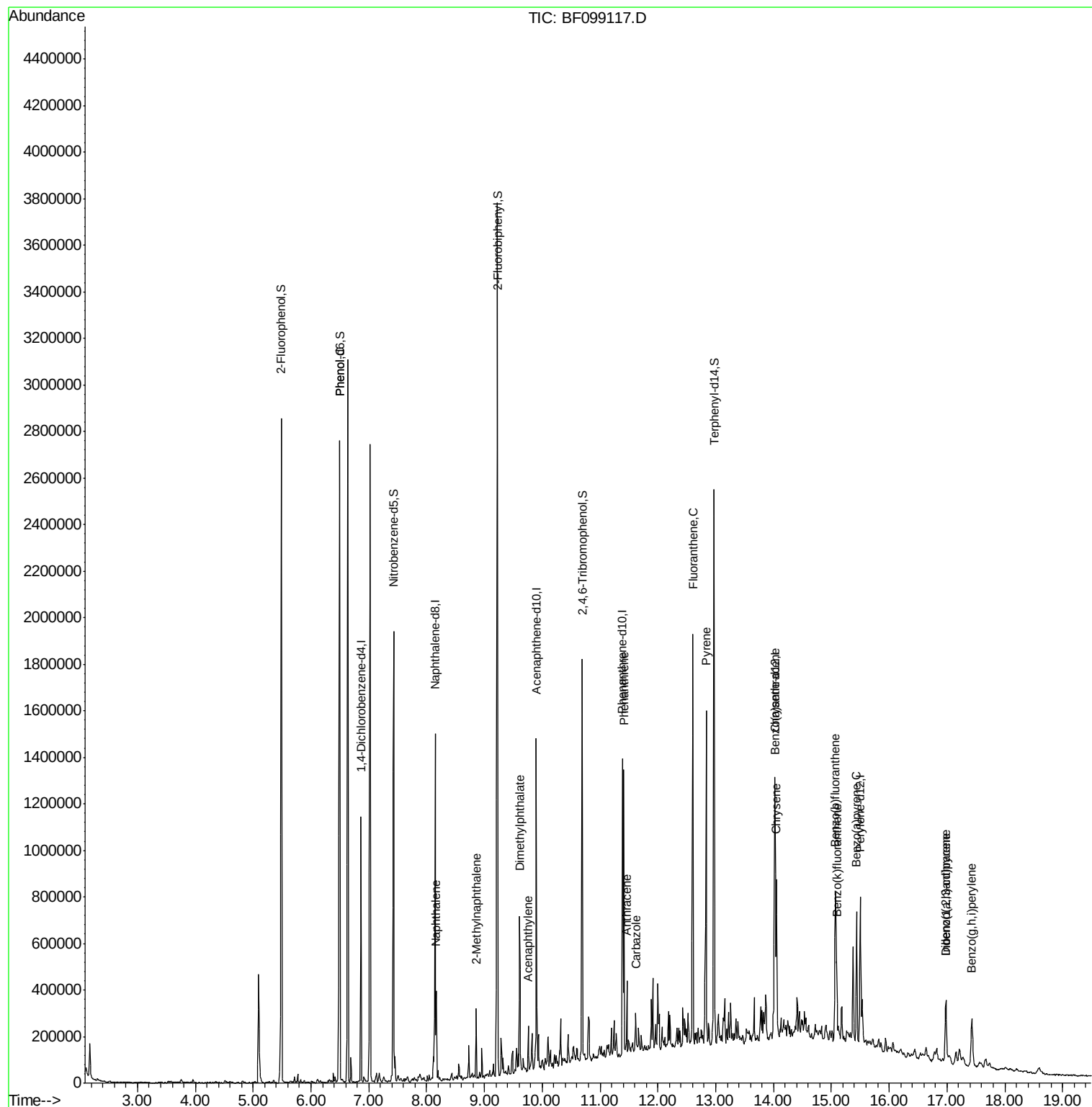
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
Data File : BF099117.D
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ALS Vial : 14 Sample Multiplier: 1

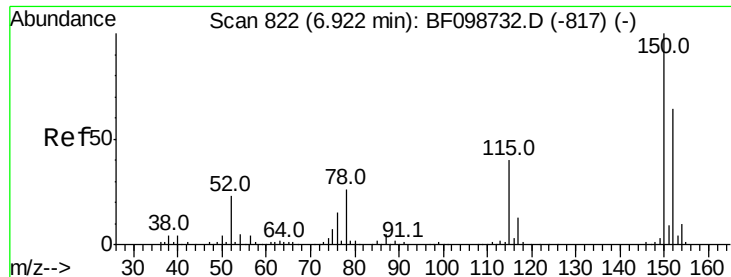
Instrument :
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SP-B-100217

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#1

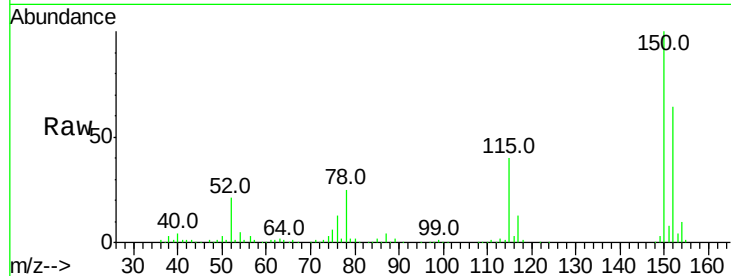
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099117.D
Acq: 5 Oct 2017 21:41

Instrument :
BNA_F
ClientSampleId :
SP-B-100217

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	62.3	50.1	75.1

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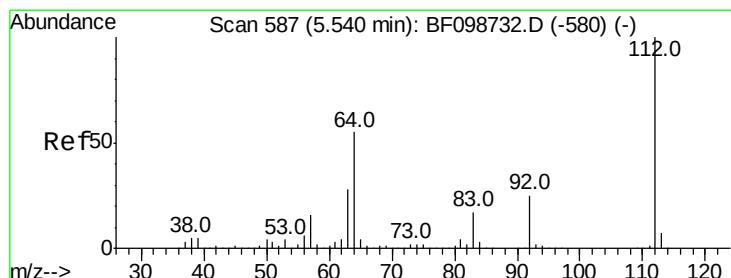
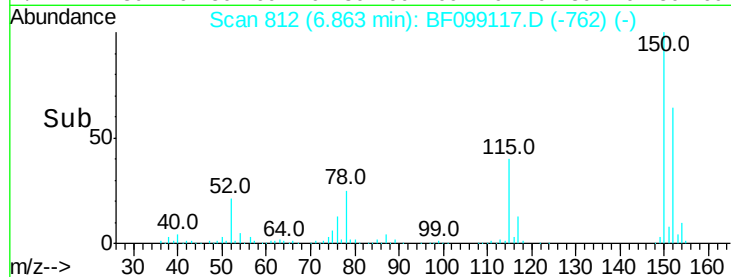
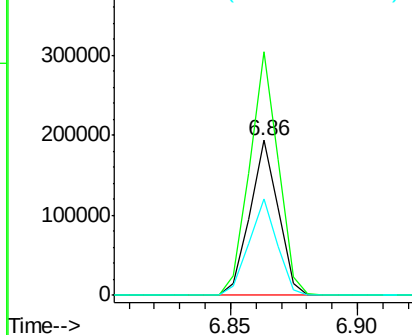


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

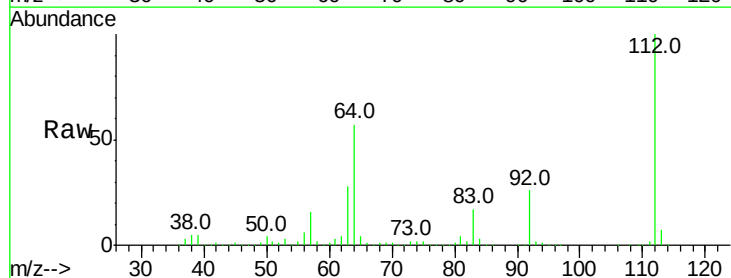
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.627 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF099117.D
Acq: 5 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.9	71.9
63	27.8	23.7	35.5

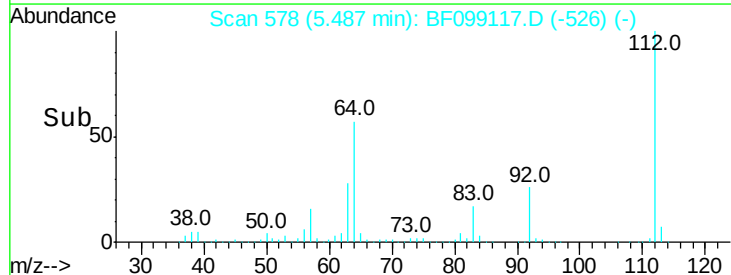
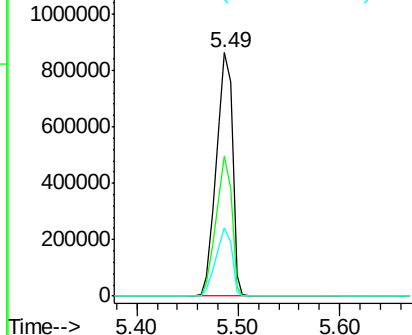


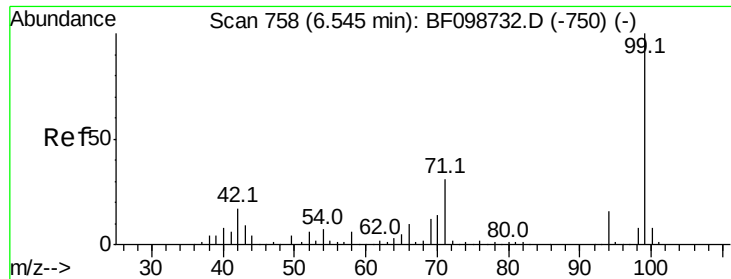
Abundance

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: 102.464 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF099117.D

Acq: 5 Oct 2017 21:41

Instrument :

BNA_F

ClientSampled :

SP-B-100217

Tot Ion: 99 Resp: 1202806

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

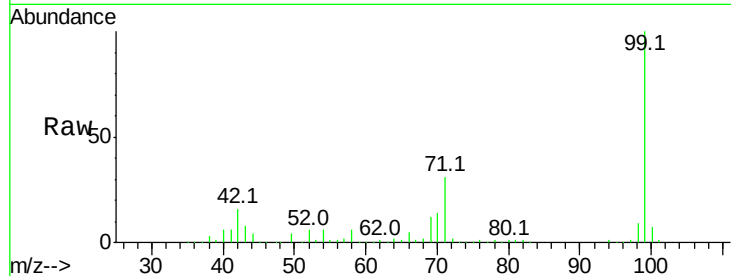
71 31.0 25.4 38.0

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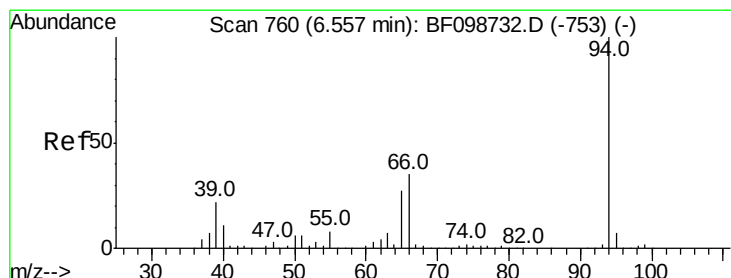
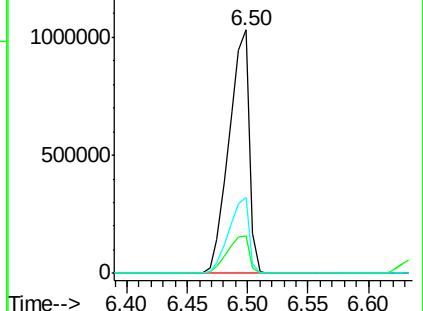
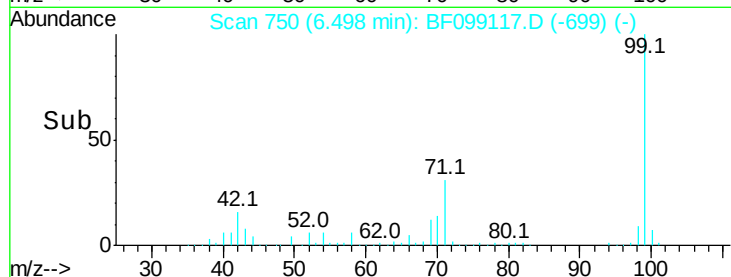
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.330 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF099117.D

Acq: 5 Oct 2017 21:41

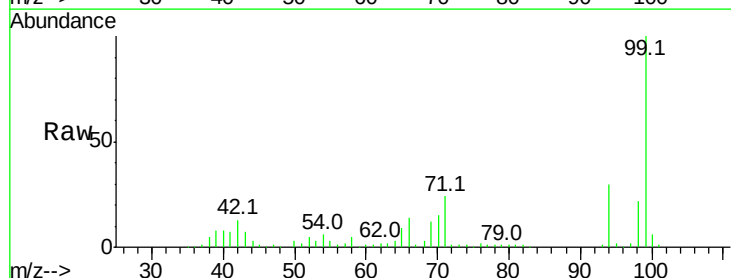
Tgt Ion: 94 Resp: 30590

Ion Ratio Lower Upper

94 100

65 31.1 7.9 47.9

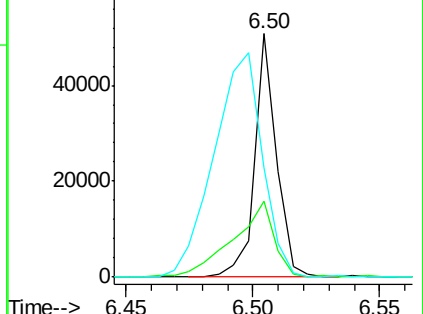
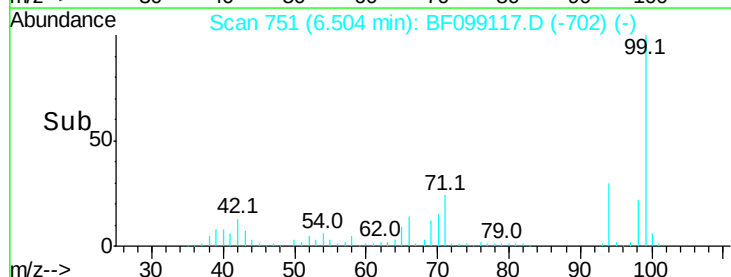
66 44.9 16.2 56.2

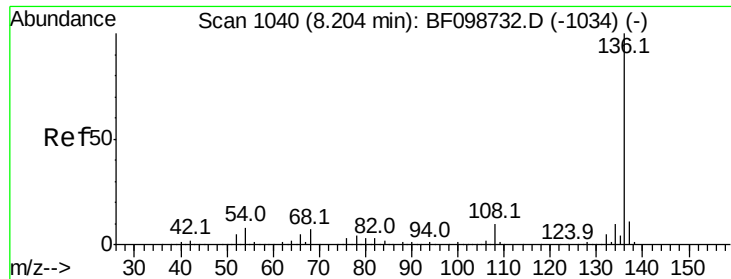


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099117.D

Acq: 5 Oct 2017 21:41

Instrument :

BNA_F

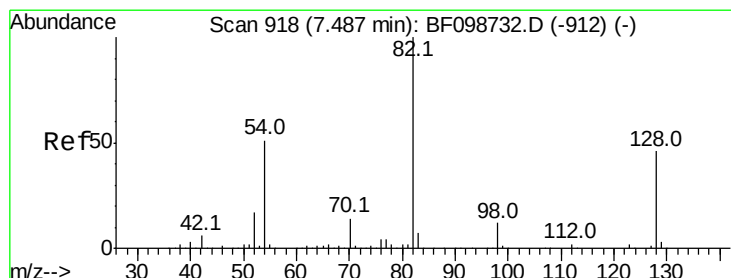
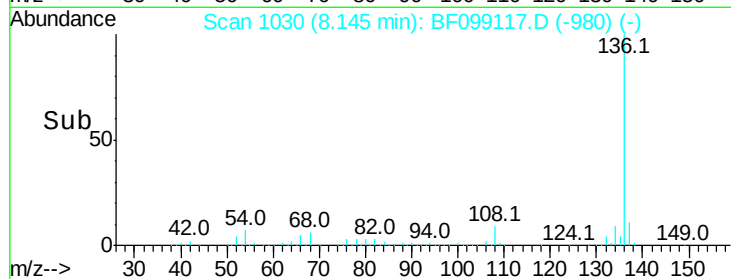
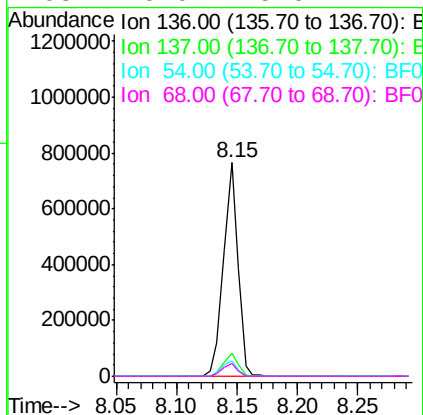
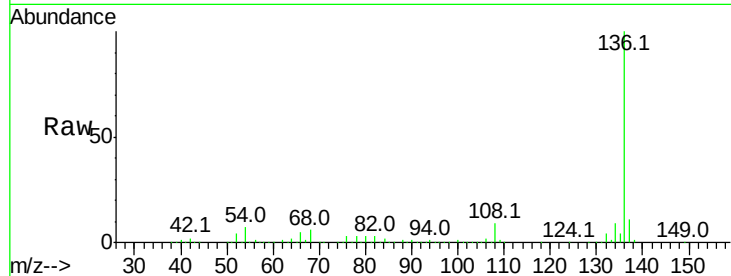
ClientSampleId :

SP-B-100217

Tot Ion	Ratio	Resp	Lower	Upper
136	100	635234		
137	11.0	8.9	13.3	
54	7.4	6.6	9.8	
68	6.0	5.0	7.4	

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#23

Nitrobenzene-d5

Concen: 76.097 ng

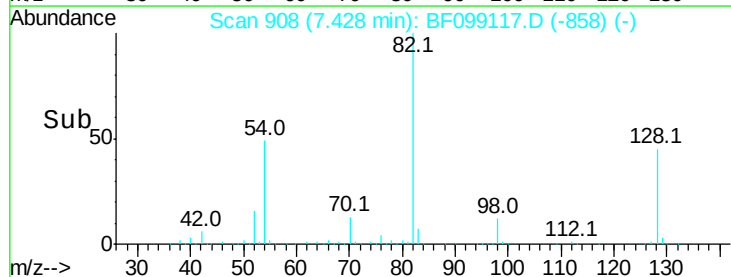
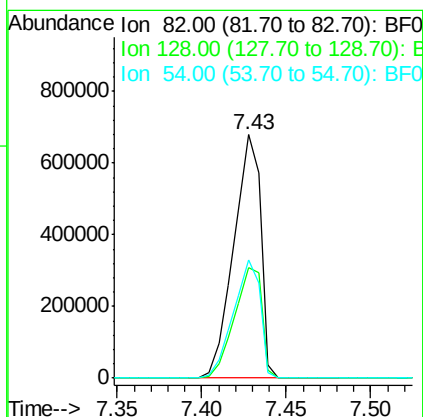
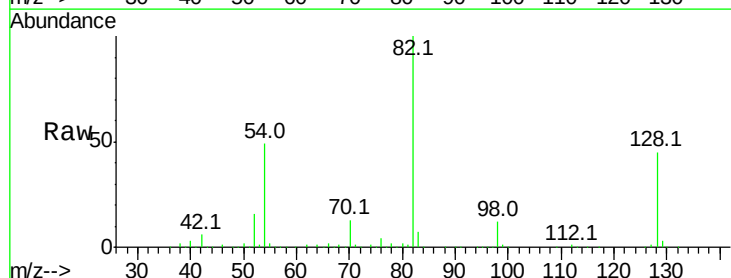
RT: 7.43 min Scan# 908

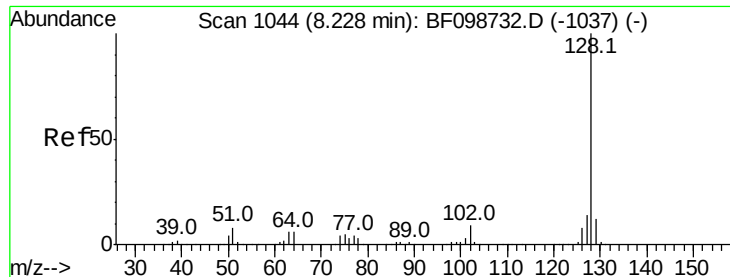
Delta R.T. -0.01 min

Lab File: BF099117.D

Acq: 5 Oct 2017 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	753767		
128	45.3	36.1	54.1	
54	48.7	41.4	62.2	





#31

Naphthalene

Concen: 4.831 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF099117.D

Acq: 5 Oct 2017 21:41

Instrument :

BNA_F

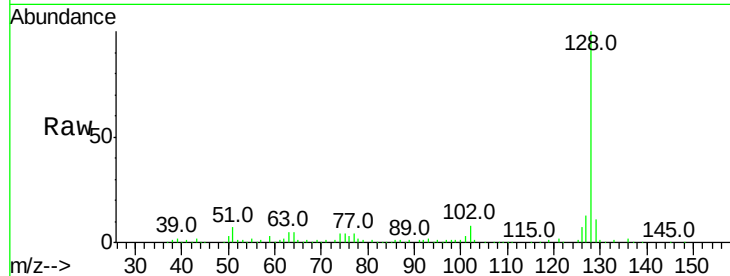
ClientSampleId :

SP-B-100217

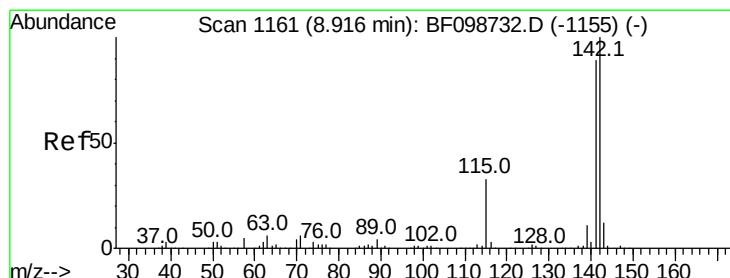
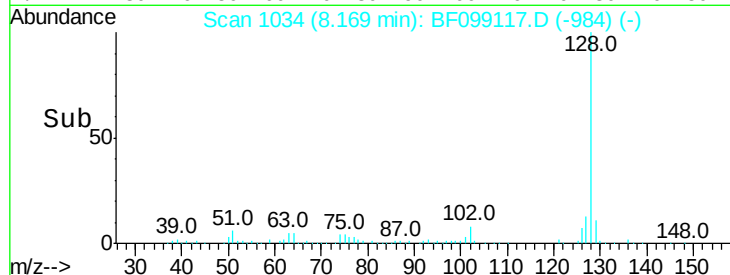
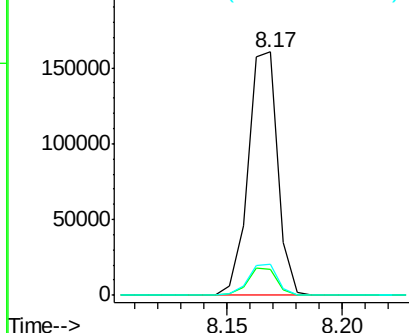
Tot Ion:	128	Resp:	144142
Ion Ratio	Lower	Upper	
128	100		
129	10.6	8.8	13.2
127	12.9	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 3.708 ng

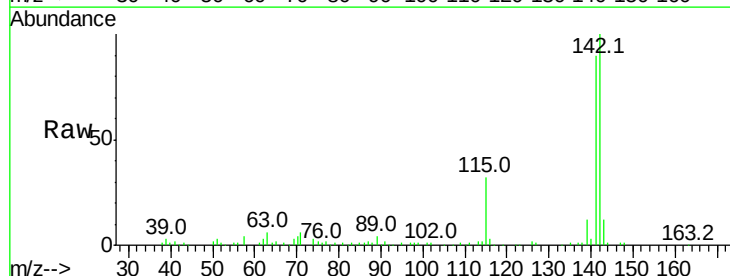
RT: 8.86 min Scan# 1151

Delta R.T. -0.01 min

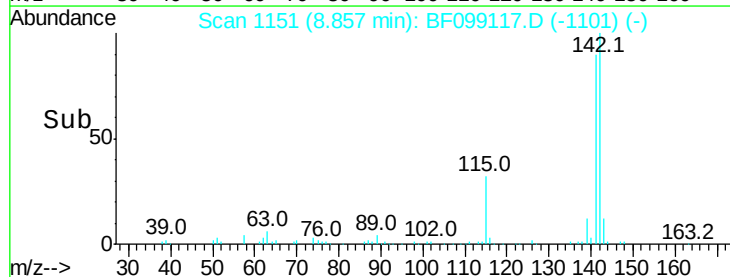
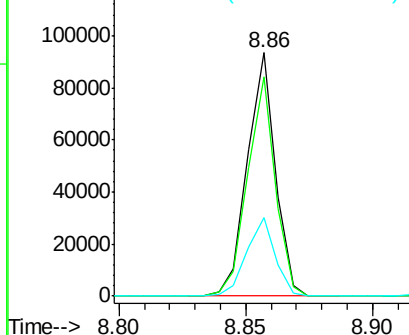
Lab File: BF099117.D

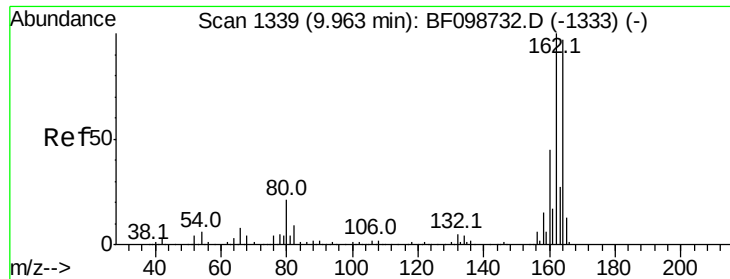
Acq: 5 Oct 2017 21:41

Tgt Ion:	142	Resp:	71921
Ion Ratio	Lower	Upper	
142	100		
141	89.9	70.8	106.2
115	32.4	26.1	39.1



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





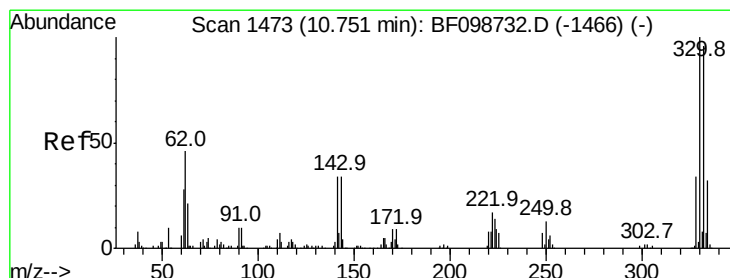
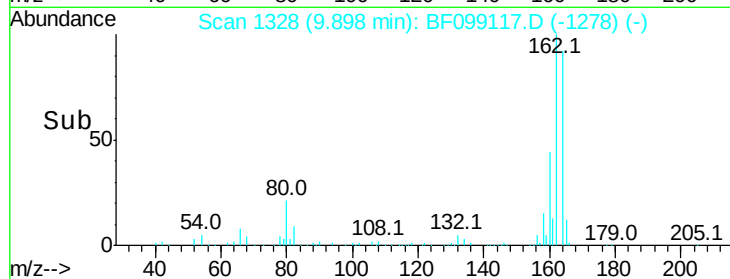
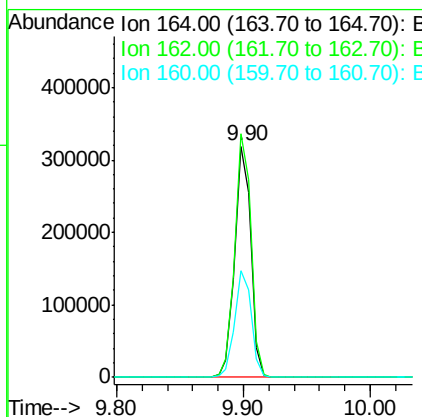
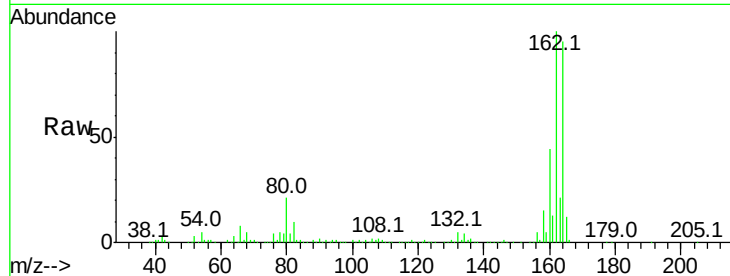
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099117.D
 Acq: 5 Oct 2017 21:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-100217

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.2	86.1	129.1
160	46.2	38.3	57.5

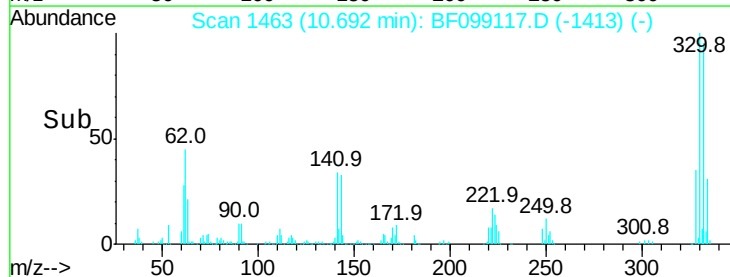
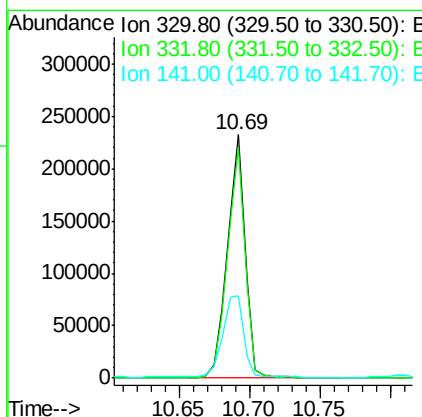
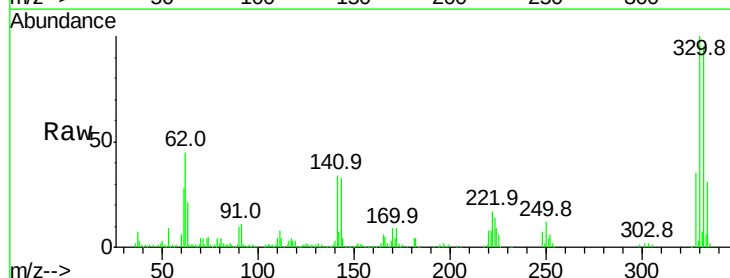
Manual Integrations
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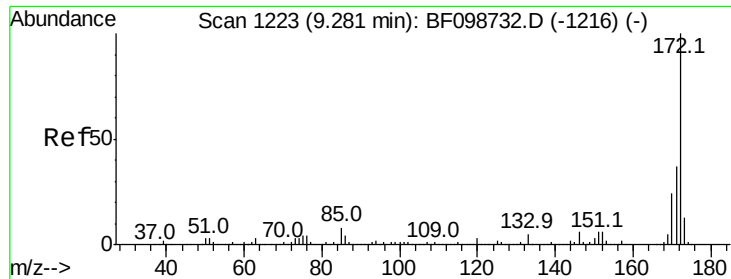
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#41
 2,4,6-Tribromophenol
 Concen: 90.147 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099117.D
 Acq: 5 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	40.9	29.9	44.9





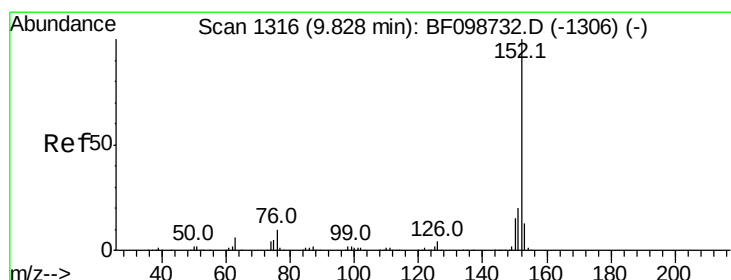
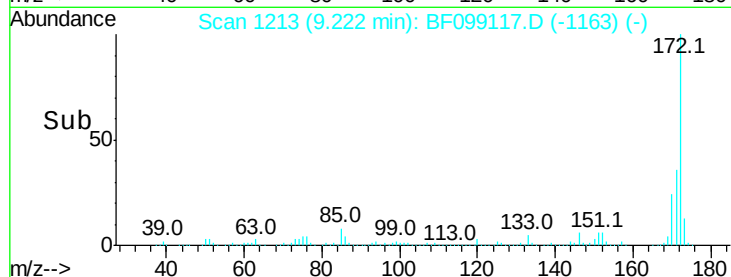
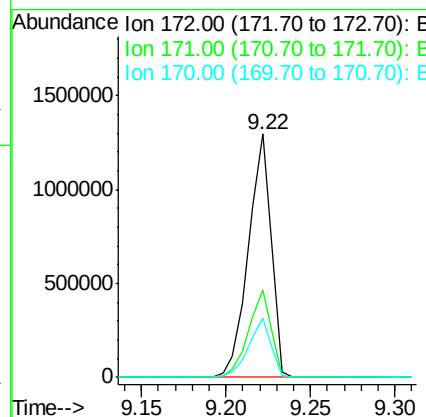
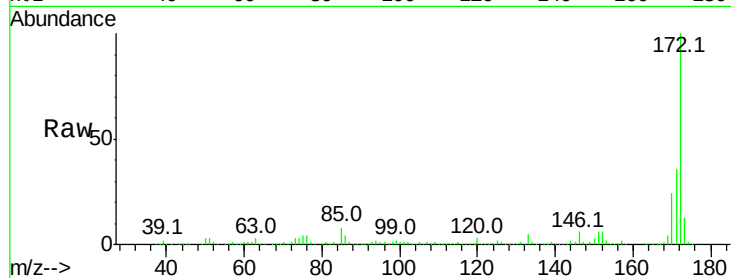
#44
2-Fluorobiphenyl
Concen: 74.096 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF099117.D
Acq: 5 Oct 2017 21:41

Instrument :
BNA_F
ClientSampleId :
SP-B-100217

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.3	19.6	29.4

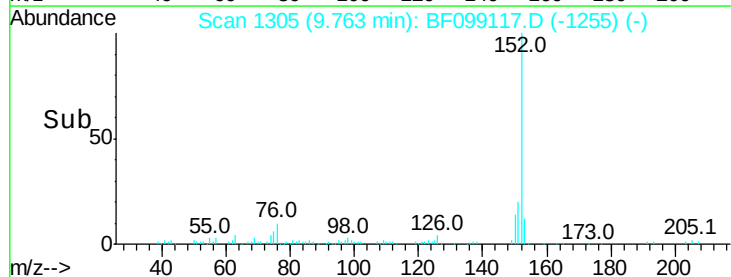
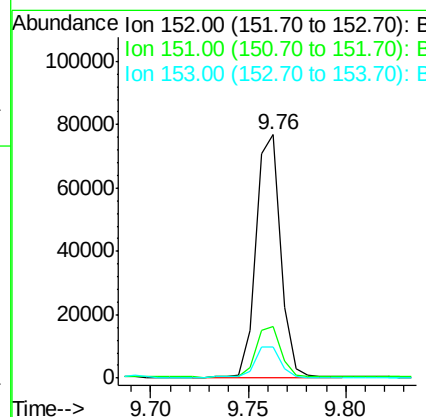
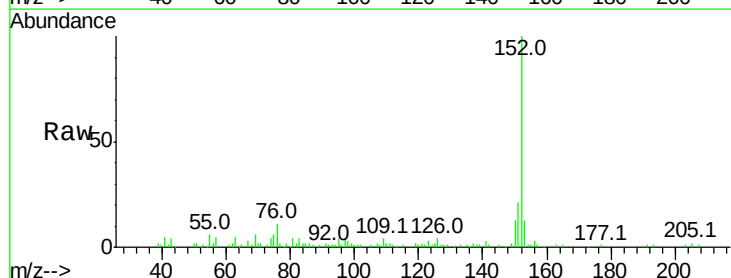
Manual Integrations
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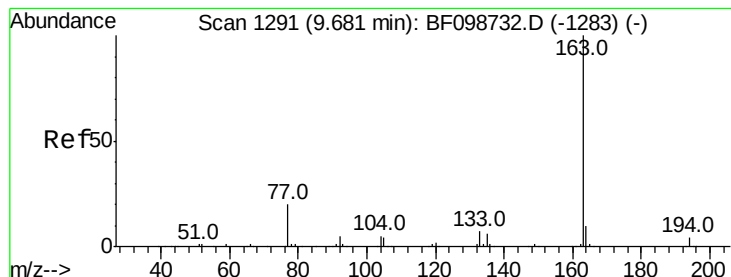
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#48
Acenaphthylene
Concen: 2.484 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF099117.D
Acq: 5 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.3	24.5
153	12.8	10.7	16.1





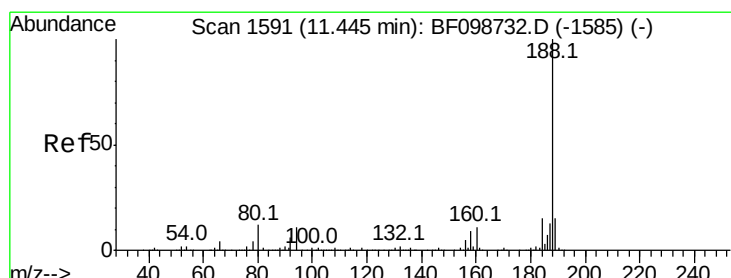
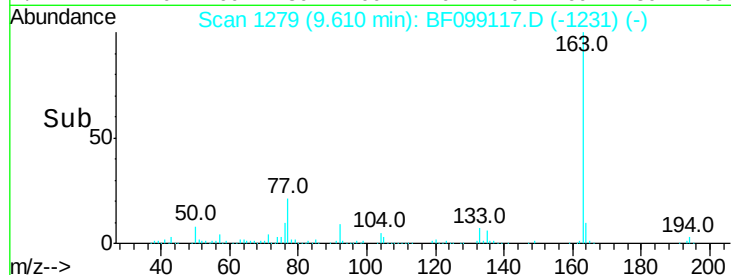
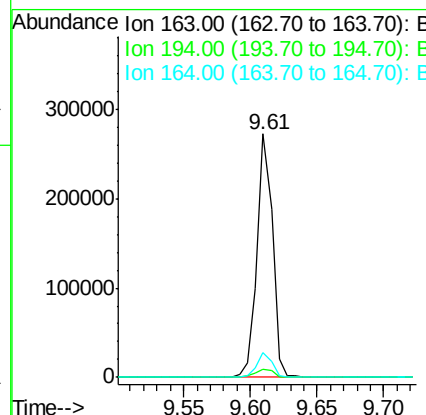
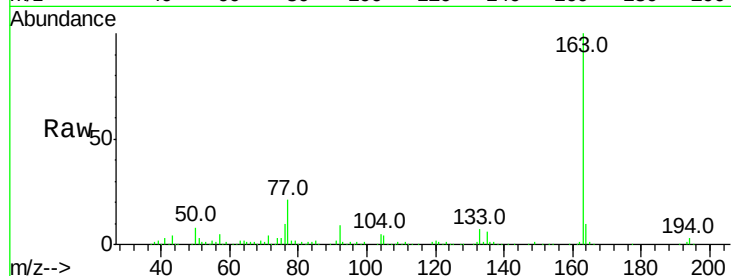
#49
Dimethylphthalate
Concen: 10.219 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099117.D
Acq: 5 Oct 2017 21:41

Instrument :
BNA_F
ClientSampleId :
SP-B-100217

Tot Ion	Ratio	Resp	Lower	Upper
163	100	213306		
194	3.5		2.7	4.1
164	10.2		8.2	12.2

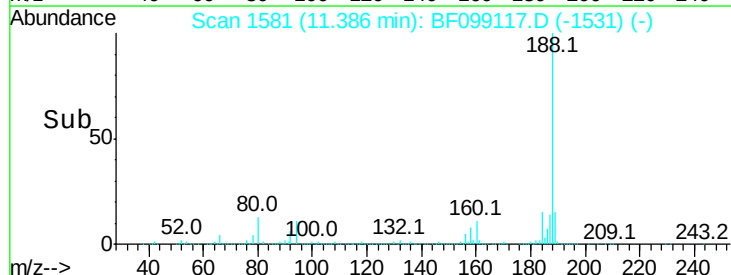
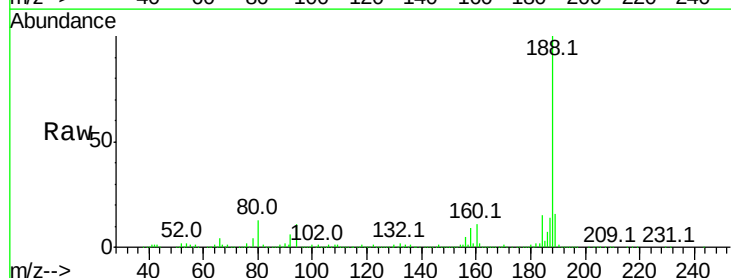
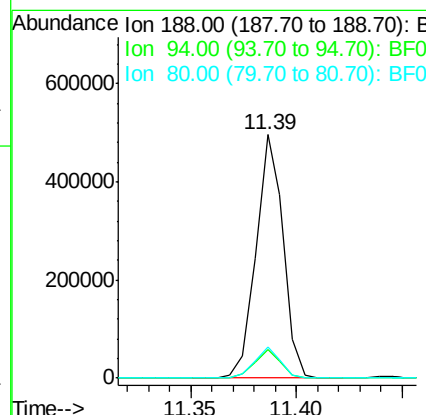
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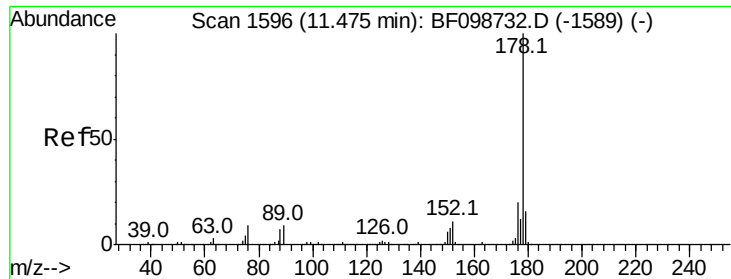
Sohil
10/6/2017 5:34:55 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099117.D
Acq: 5 Oct 2017 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	441638		
94	11.5		8.5	12.7
80	13.0		9.2	13.8





#70

Phenanthrene

Concen: 17.892 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF099117.D

Acq: 5 Oct 2017 21:41

Instrument :

BNA_F

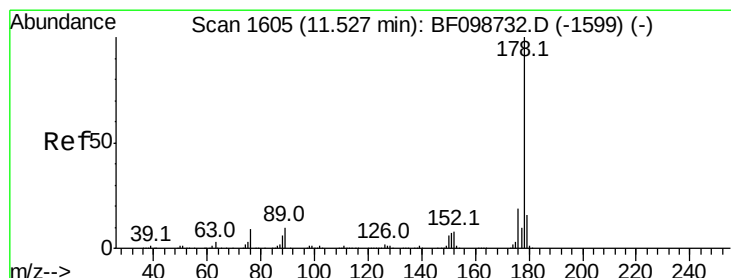
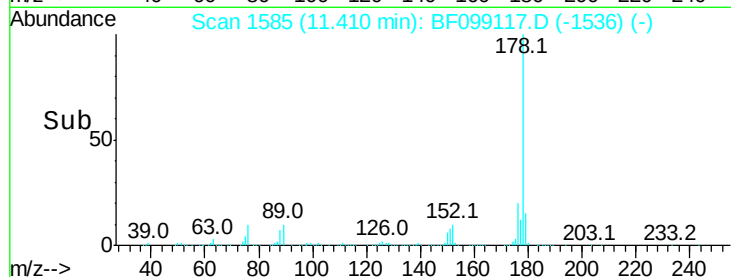
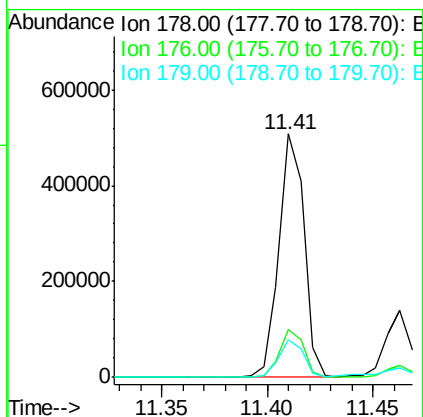
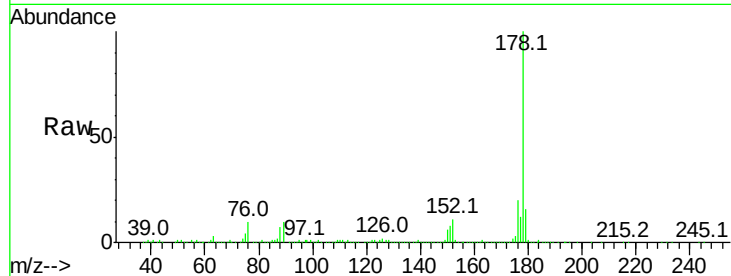
ClientSampleId :

SP-B-100217

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.6	13.0	19.6

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#71

Anthracene

Concen: 4.523 ng

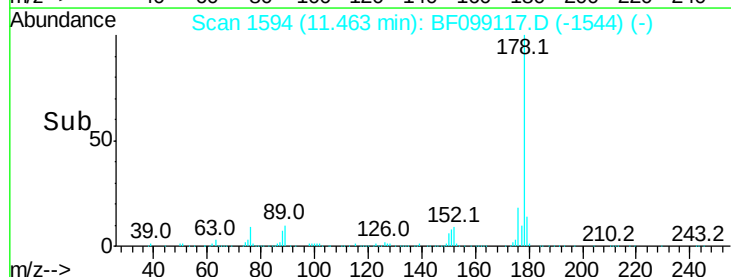
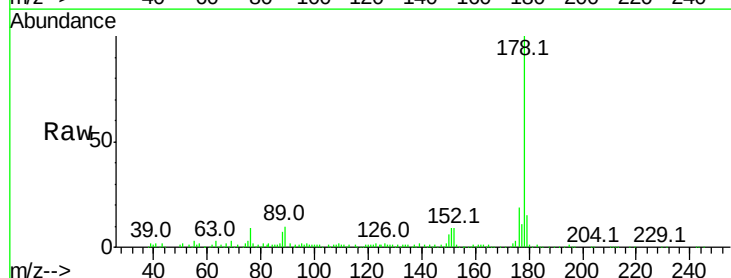
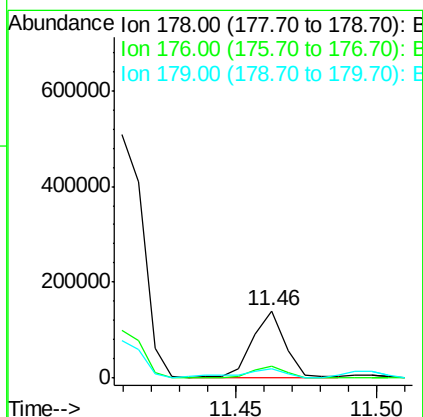
RT: 11.46 min Scan# 1594

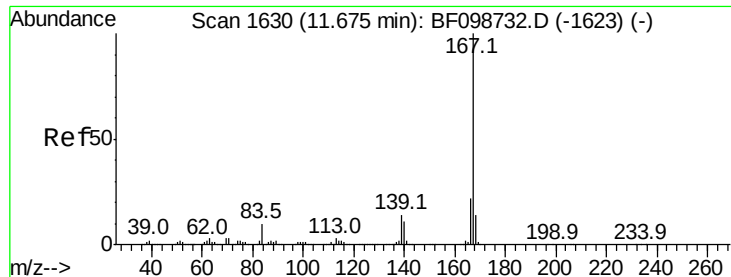
Delta R.T. -0.01 min

Lab File: BF099117.D

Acq: 5 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	14.7	12.6	19.0





#72

Carbazole

Concen: 2.109 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF099117.D

Acq: 5 Oct 2017 21:41

Instrument :

BNA_F

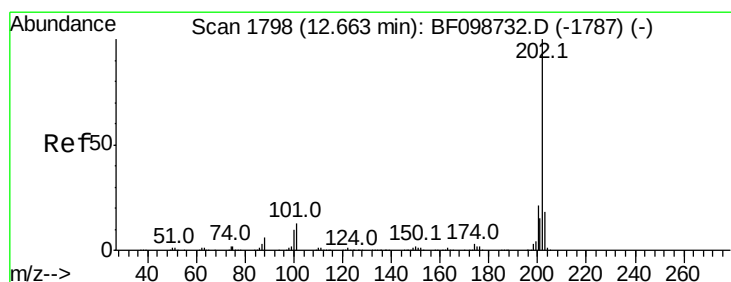
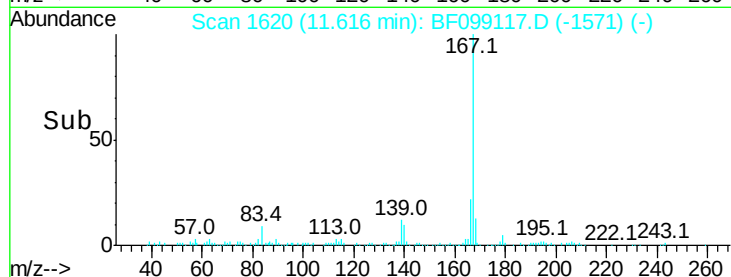
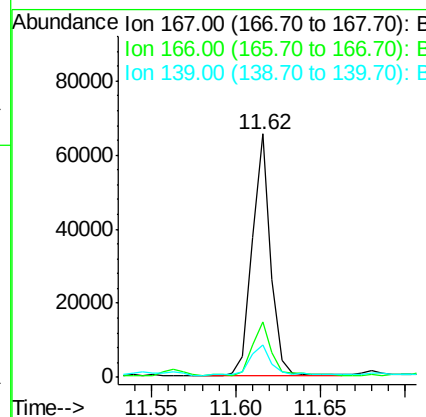
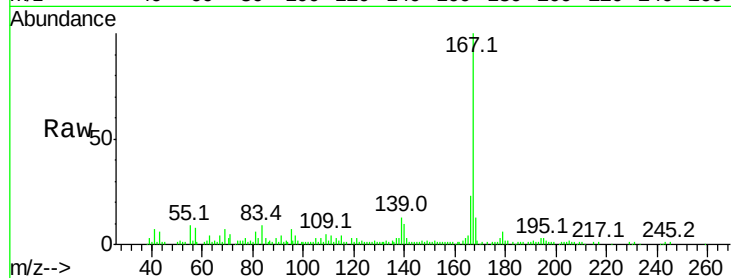
ClientSampleId :

SP-B-100217

Tot Ion:	167	Resp:	49965
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.6	26.4
139	13.4	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 26.320 ng

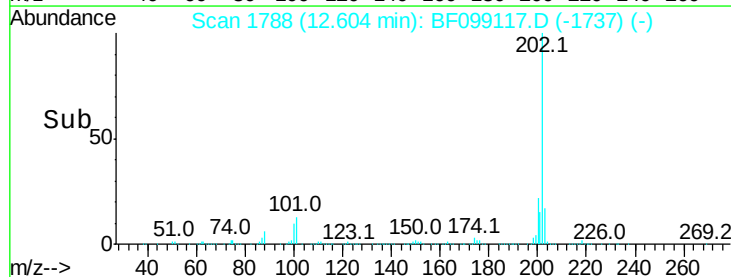
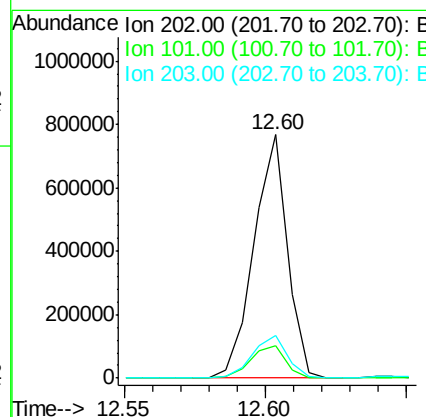
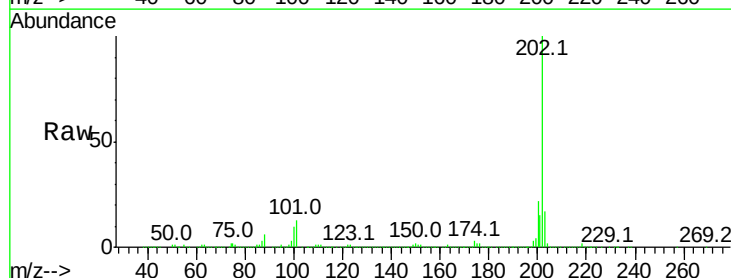
RT: 12.60 min Scan# 1788

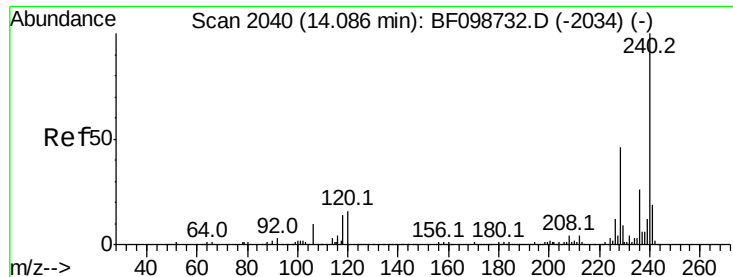
Delta R.T. -0.00 min

Lab File: BF099117.D

Acq: 5 Oct 2017 21:41

Tgt Ion:	202	Resp:	630042
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099117.D

Acq: 5 Oct 2017 21:41

Instrument :

BNA_F

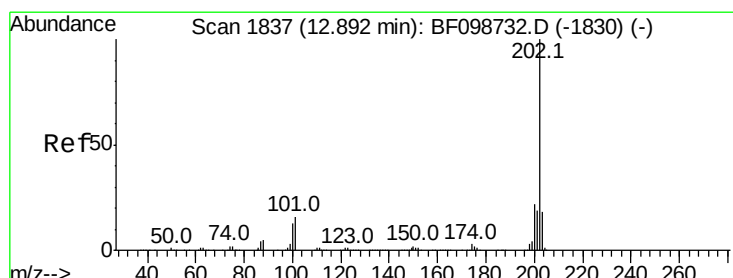
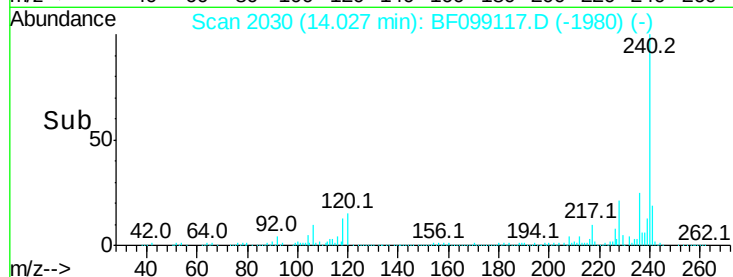
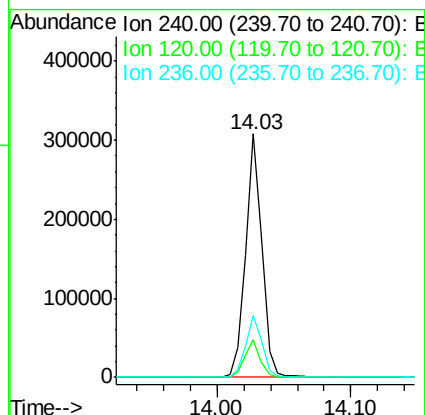
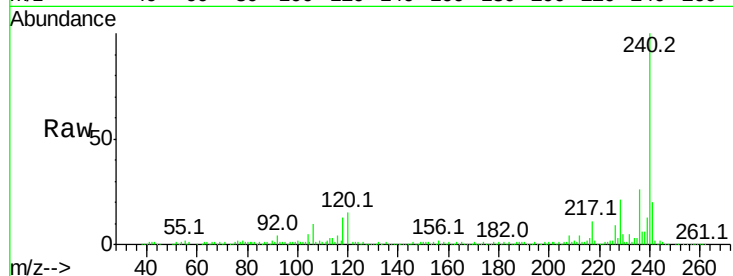
ClientSampleId :

SP-B-100217

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.2	9.5	14.3#
236	25.6	20.7	31.1

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#77

Pyrene

Concen: 28.552 ng

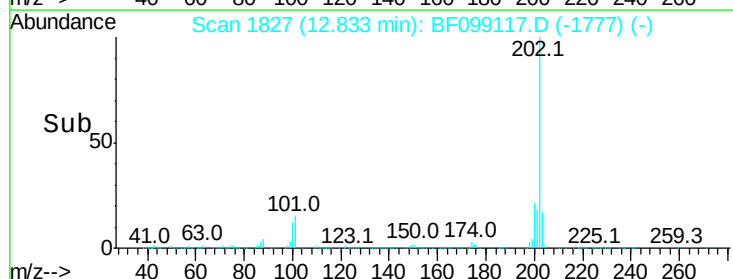
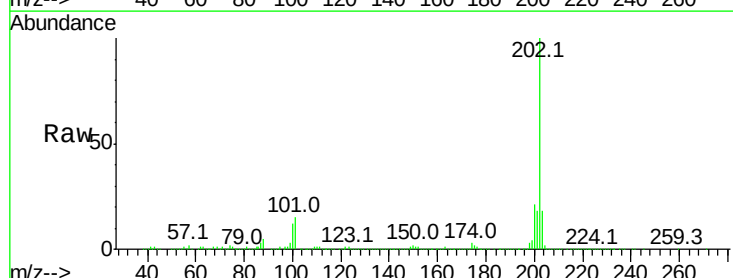
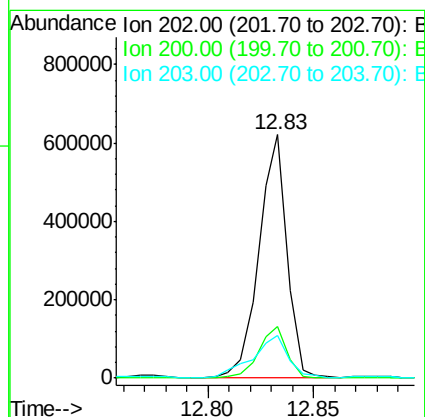
RT: 12.83 min Scan# 1827

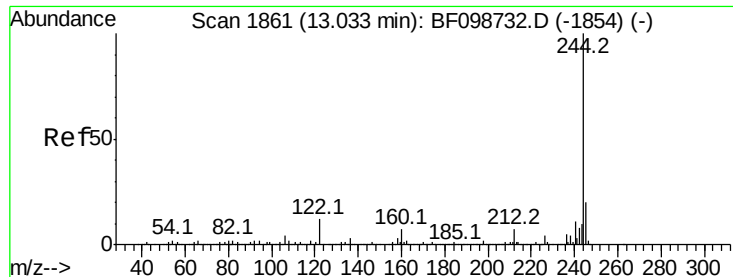
Delta R.T. -0.01 min

Lab File: BF099117.D

Acq: 5 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.6	14.3	21.5





#78

Terphenyl-d14

Concen: 71.050 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BF099117.D

Acq: 5 Oct 2017 21:41

Instrument :

BNA_F

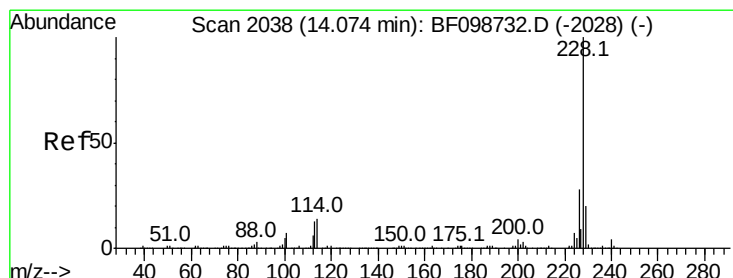
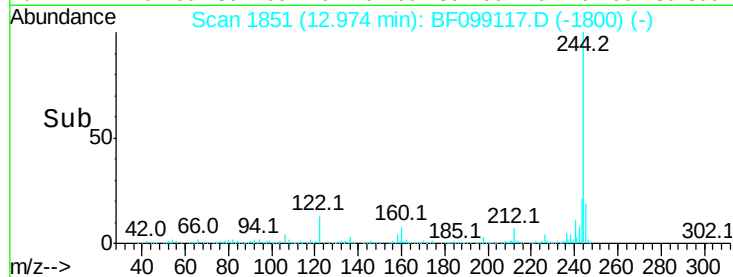
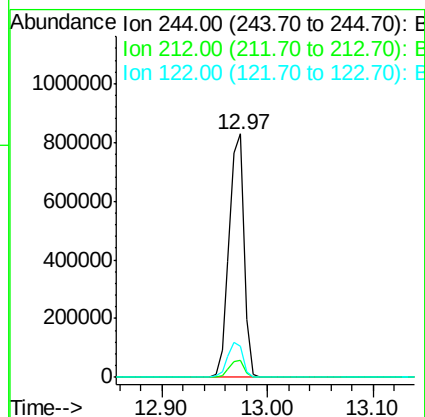
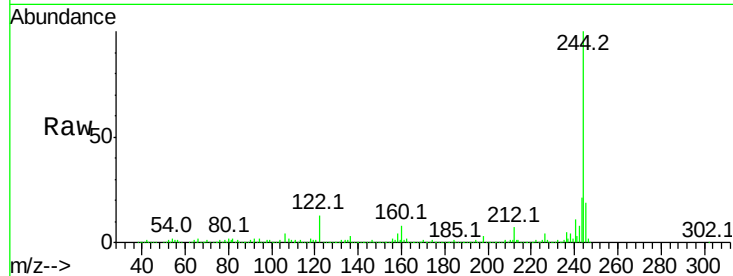
ClientSampled :

SP-B-100217

Tot Ion:	244	Resp:	816712
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	12.8	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 17.165 ng

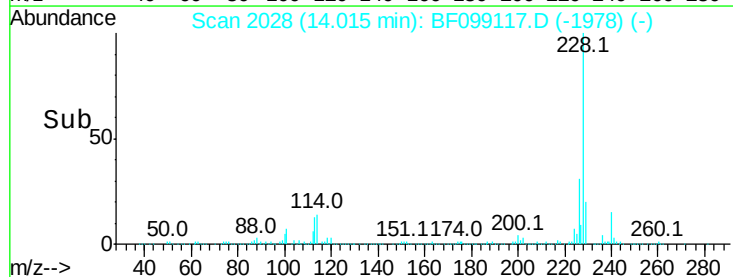
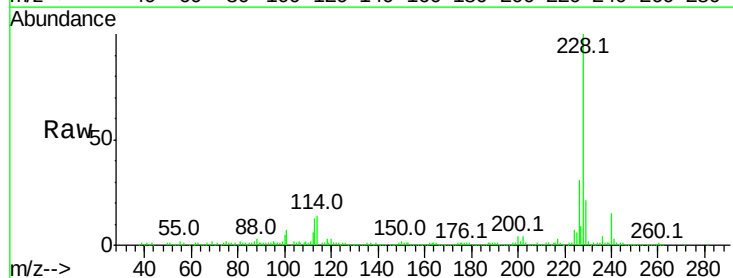
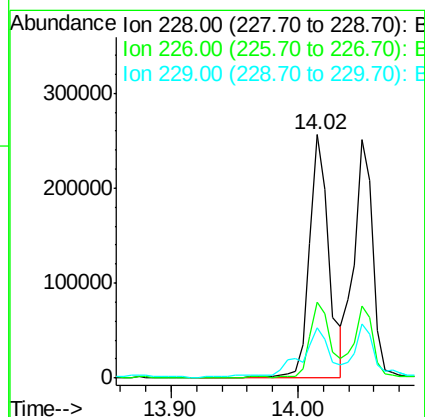
RT: 14.02 min Scan# 2028

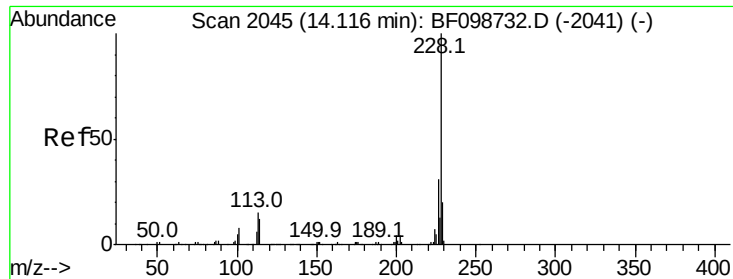
Delta R.T. -0.01 min

Lab File: BF099117.D

Acq: 5 Oct 2017 21:41

Tgt Ion:	228	Resp:	271710
Ion Ratio	Lower	Upper	
228	100		
226	31.0	22.6	33.8
229	20.9	15.8	23.6





#82

Chrysene

Concen: 16.932 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF099117.D

Acq: 5 Oct 2017 21:41

Instrument :

BNA_F

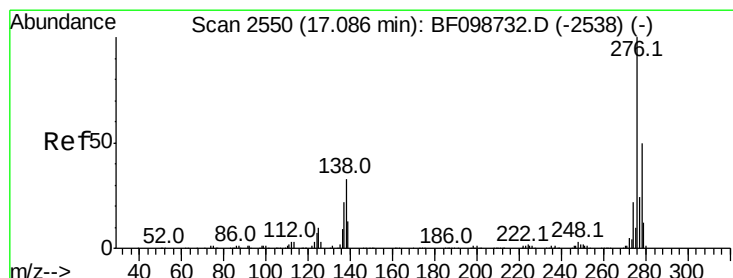
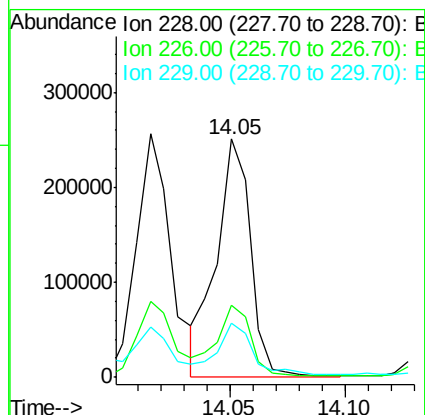
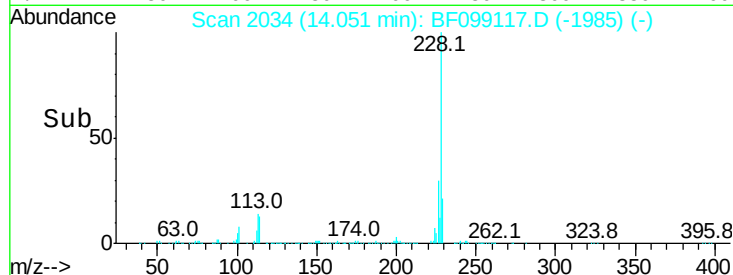
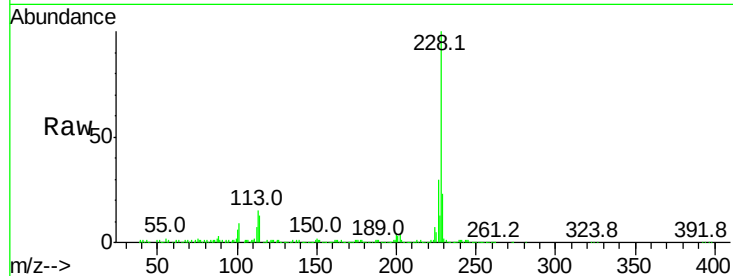
ClientSampleId :

SP-B-100217

Tot Ion:	228	Resp:	255173
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	22.5	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 13.349 ng

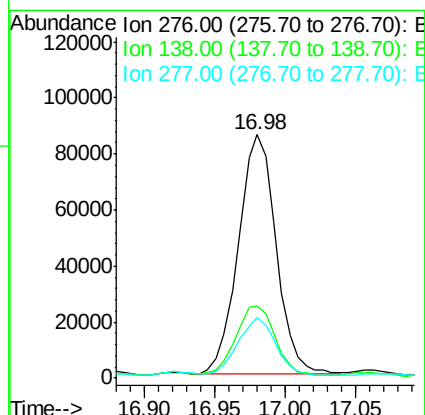
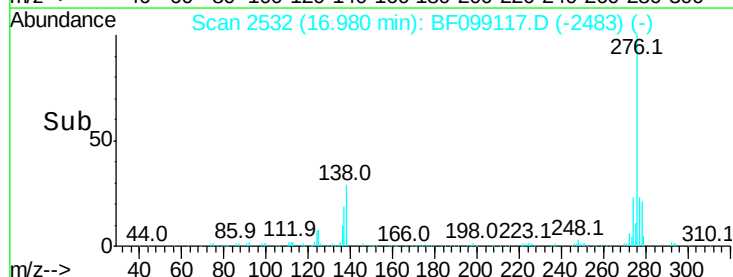
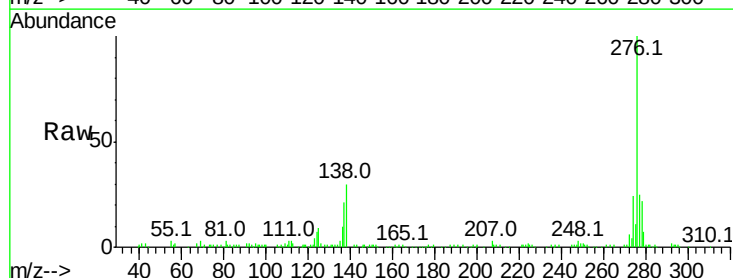
RT: 16.98 min Scan# 2532

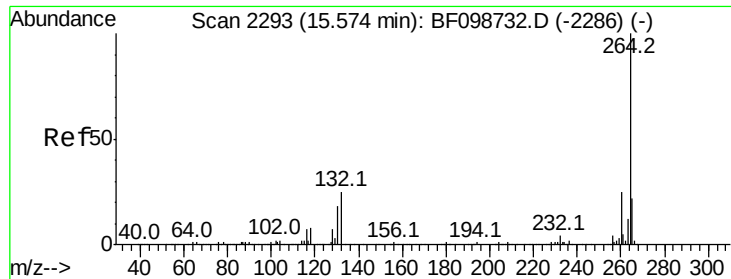
Delta R.T. -0.01 min

Lab File: BF099117.D

Acq: 5 Oct 2017 21:41

Tgt Ion:	276	Resp:	160925
Ion Ratio	Lower	Upper	
276	100		
138	30.0	25.0	37.6
277	24.2	20.1	30.1





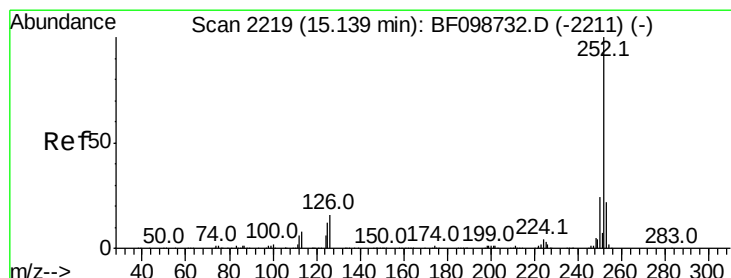
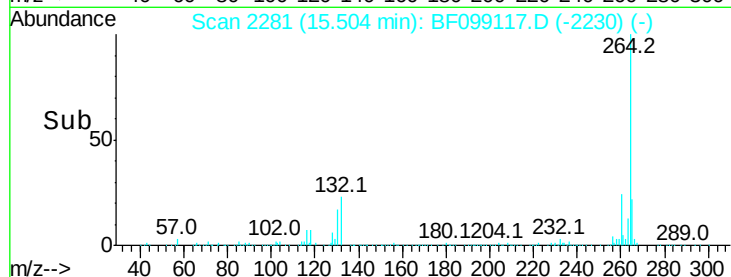
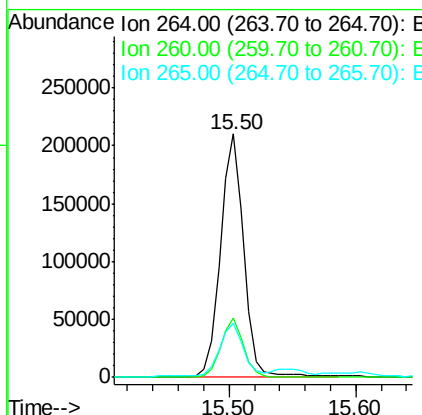
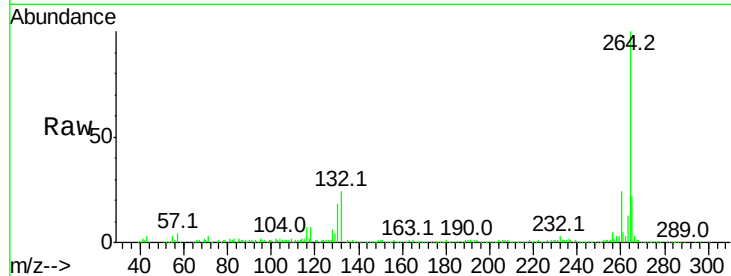
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF099117.D
Acq: 5 Oct 2017 21:41

Instrument :
BNA_F
ClientSampled :
SP-B-100217

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.2	17.5	26.3

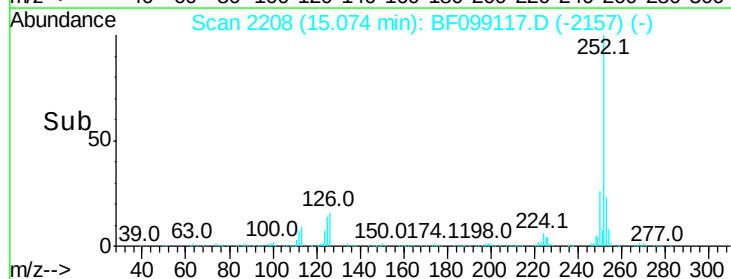
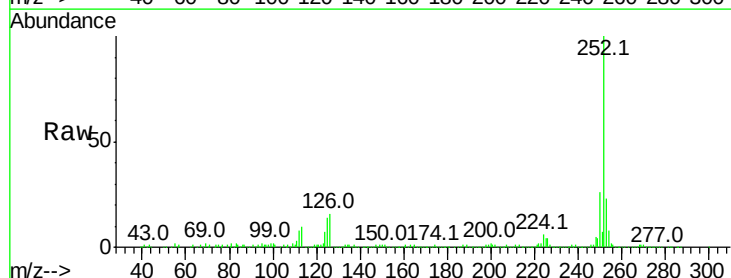
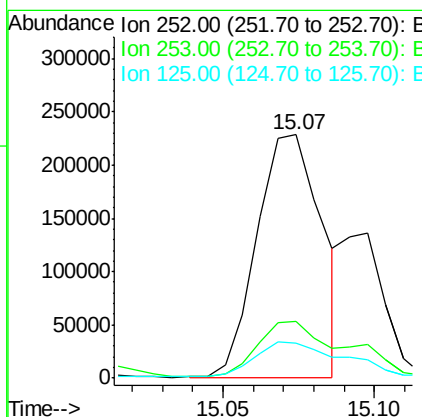
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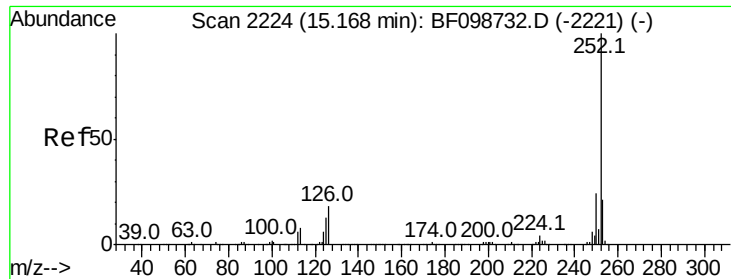
Sohil
10/6/2017 5:34:55 PM



#87
Benzo(b)fluoranthene
Concen: 20.951 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF099117.D
Acq: 5 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	14.5	9.0	13.6





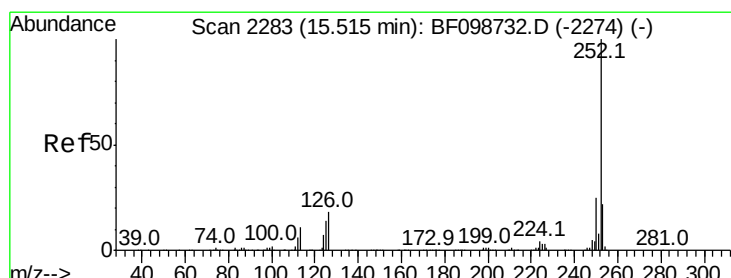
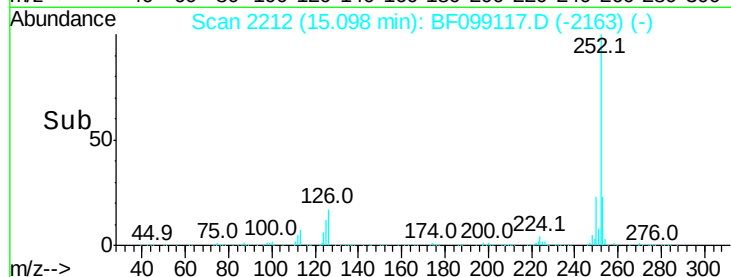
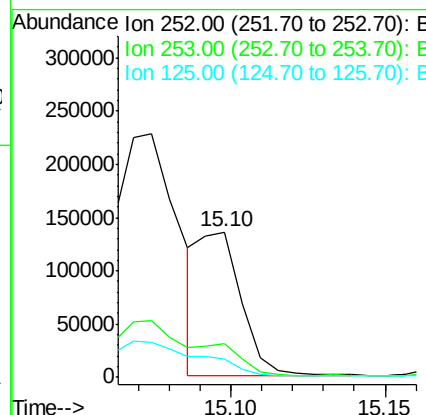
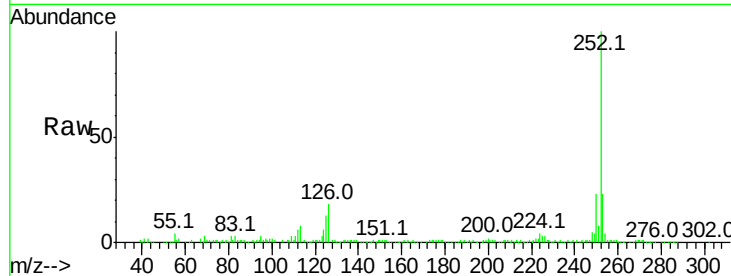
#88
Benzo(k)fluoranthene
Concen: 7.885 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF099117.D
Acq: 5 Oct 2017 21:41

Instrument :
BNA_F
ClientSampleId :
SP-B-100217

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	12.7	10.2	15.2

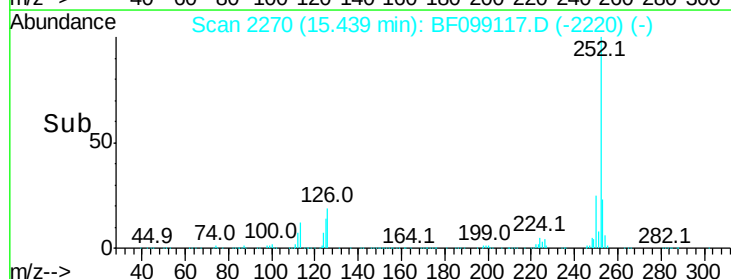
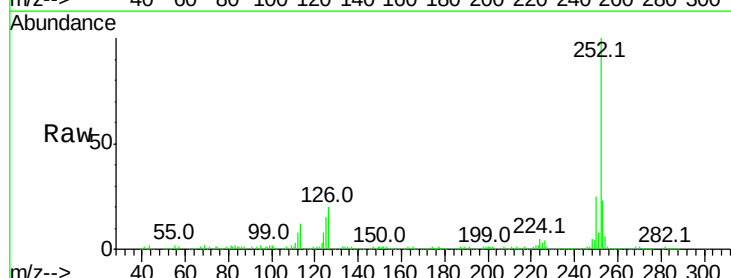
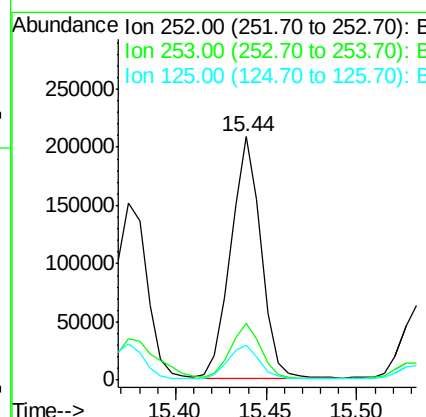
Manual Integrations
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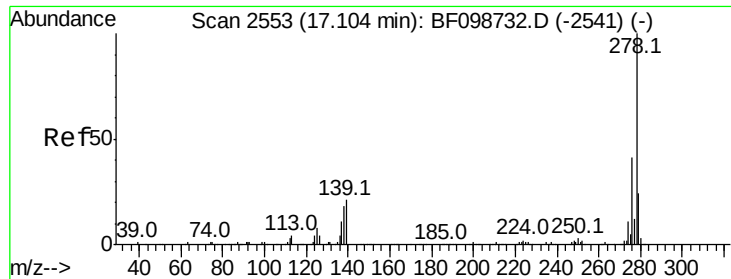
Sohil
10/6/2017 5:34:55 PM



#89
Benzo(a)pyrene
Concen: 16.291 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF099117.D
Acq: 5 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	14.5	9.8	14.6





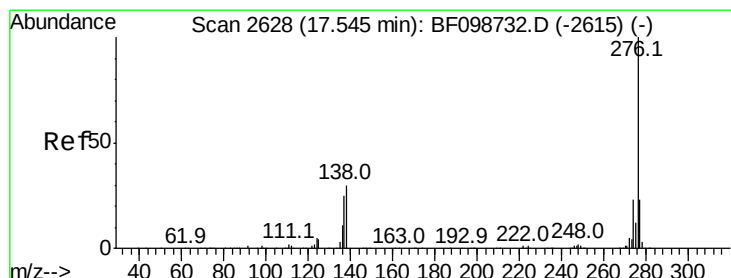
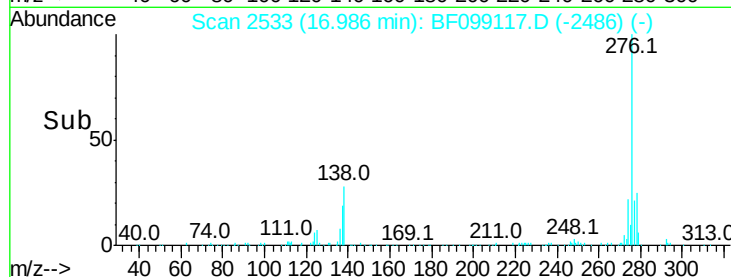
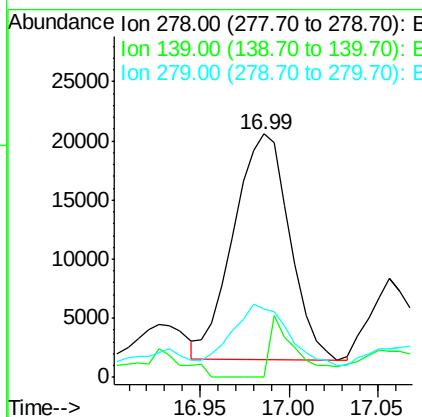
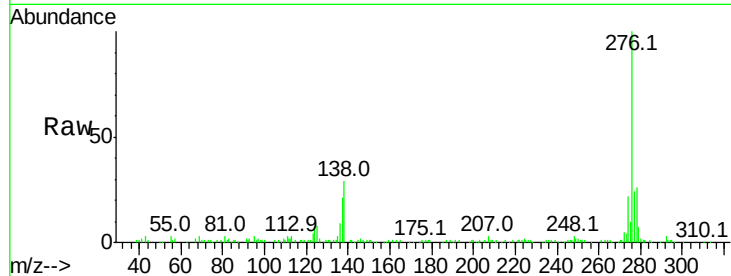
#90
Dibenzo(a,h)anthracene
Concen: 3.511 ng/mL
RT: 16.99 min Scan# 2533
Delta R.T. -0.02 min
Lab File: BF099117.D
Acq: 5 Oct 2017 21:41

Instrument :
BNA_F
ClientSampled :
SP-B-100217

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	28.2	19.0	28.4

Manual Integrations
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10/6/2017 5:34:55 PM



#91
Benzo(g,h,i)perylene
Concen: 12.936 ng/mL
RT: 17.43 min Scan# 2609
Delta R.T. -0.01 min
Lab File: BF099117.D
Acq: 5 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	30.9	21.8	32.8

