

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099130.D
 Acq On : 6 Oct 2017 5:52
 Operator : SJ/JU
 Sample : I5404-02 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-72(13.5-14)

Manual Integrations
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Sohil
 10/6/2017 5:35:08 PM

Quant Time: Oct 06 06:57:44 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	114074	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	400896	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	149765	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	219590	20.00	ng	0.00
75) Chrysene-d12	14.03	240	226431	20.00	ng	0.00
86) Perylene-d12	15.50	264	248093	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	158959	22.18	ng	-0.01
7) Phenol-d6	6.48	99	192326	21.76	ng	-0.02
23) Nitrobenzene-d5	7.42	82	105630	16.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	19141	15.62	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	131800	14.69	ng	0.00
78) Terphenyl-d14	12.97	244	89105	8.95	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	428847	22.776	ng	# 93
37) 2-Methylnaphthalene	8.87	142	390233	31.881	ng	98
45) 1,1'-Biphenyl	9.33	154	47004	3.652	ng	98
51) Acenaphthene	9.94	154	123846	13.215	ng	93
57) Fluorene	10.46	166	264666	26.390	ng	# 98
70) Phenanthrene	11.42	178	870444	74.055	ng	100
71) Anthracene	11.47	178	217362	18.073	ng	98
74) Fluoranthene	12.61	202	429712	36.103	ng	100
77) Pyrene	12.83	202	545369	31.586	ng	99
80) Benzo(a)anthracene	14.02	228	220671	16.094	ng	96
82) Chrysene	14.05	228	200474	15.358	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	62726	6.007	ng	98
87) Benzo(b)fluoranthene	15.07	252	177836m	11.658	ng	
88) Benzo(k)fluoranthene	15.09	252	55678m	3.696	ng	
89) Benzo(a)pyrene	15.43	252	165060	11.788	ng	# 94
91) Benzo(g,h,i)perylene	17.42	276	61535	5.555	ng	# 90

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

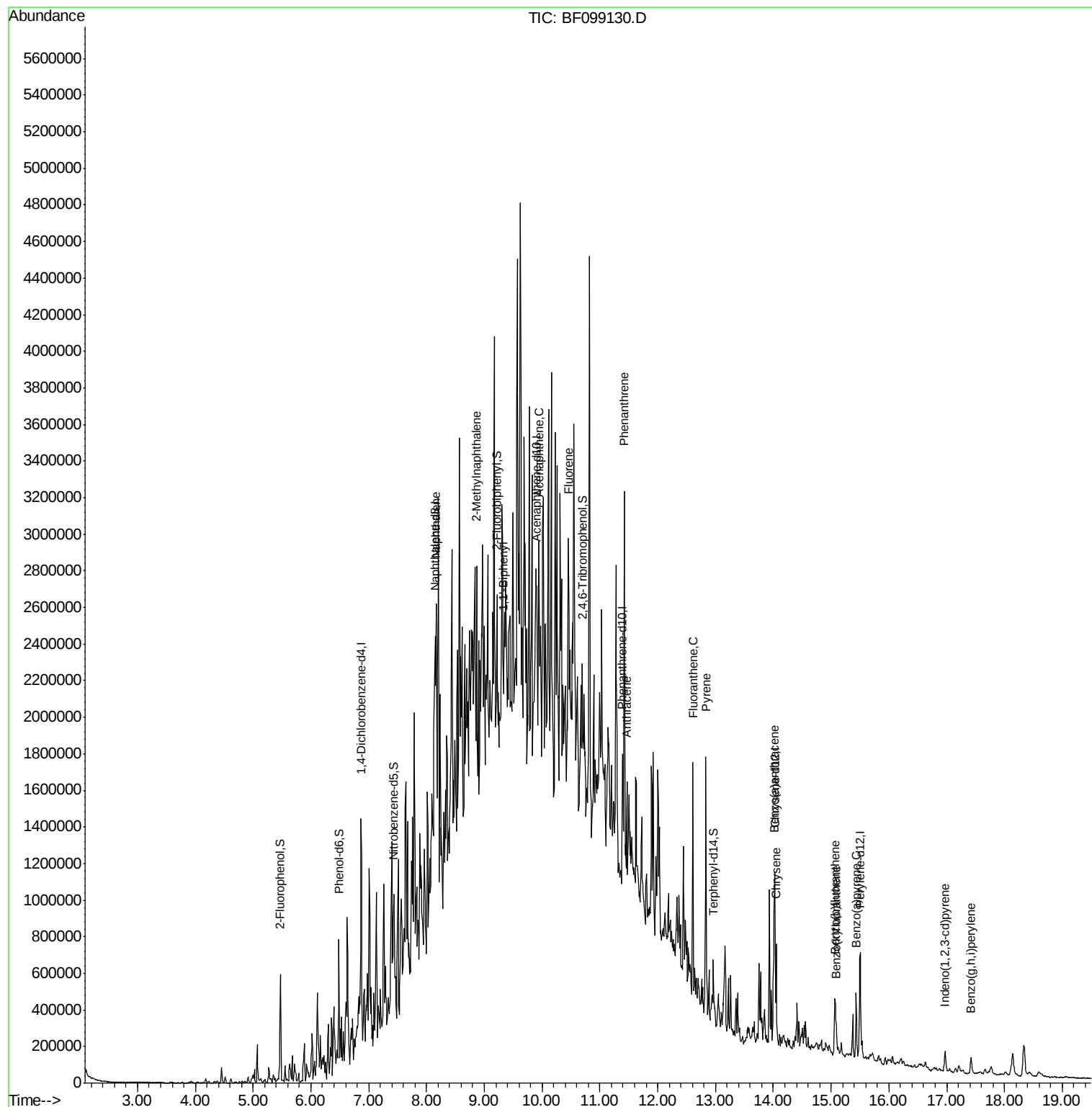
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

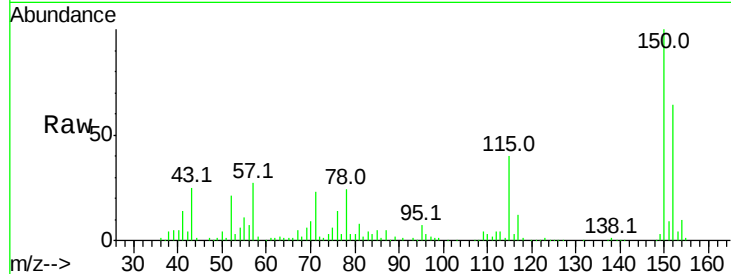
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Instrument :
BNA_F
ClientSampled :
B-72(13.5-14)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	61.7	50.1	75.1

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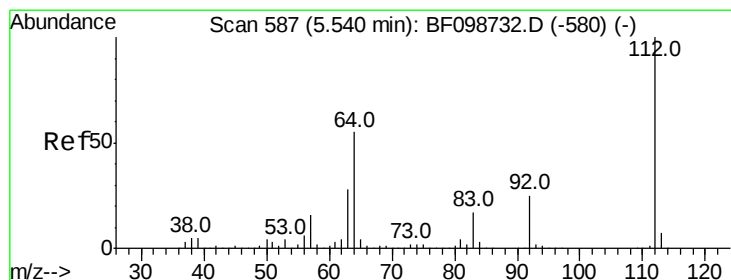
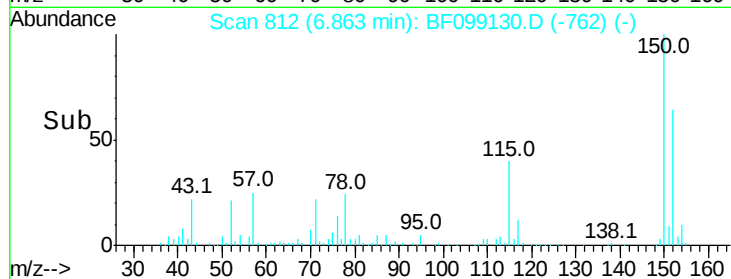
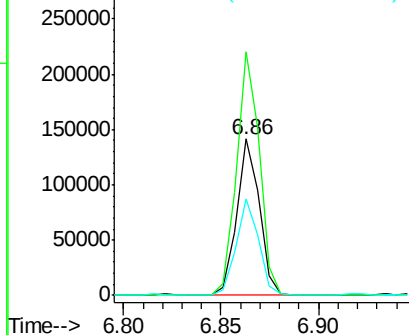


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

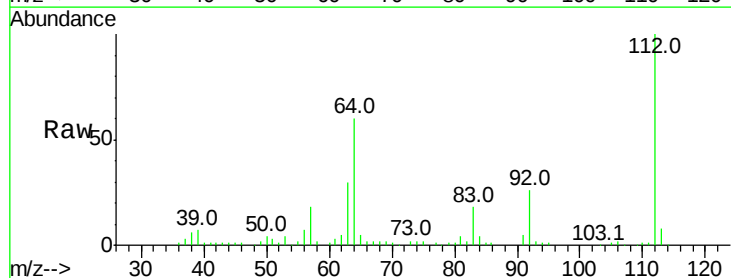
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 22.183 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.9	71.9
63	29.7	23.7	35.5

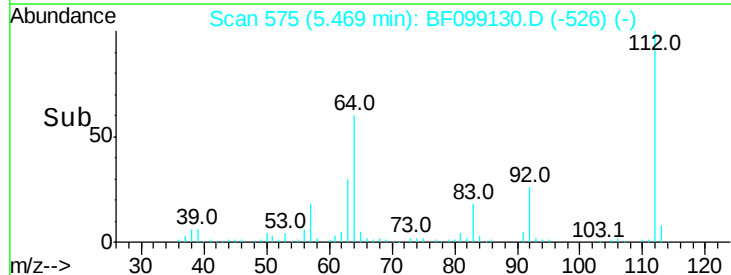
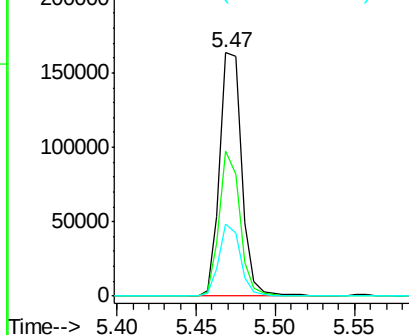


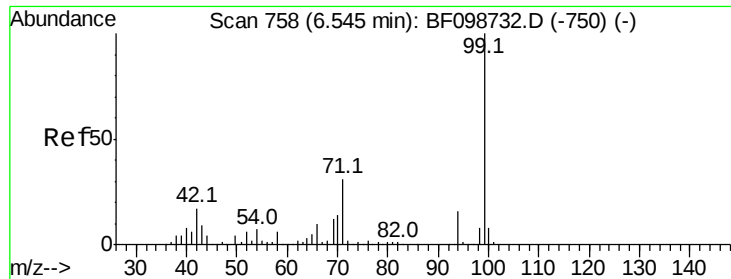
Abundance

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: 21.756 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Instrument :

BNA_F

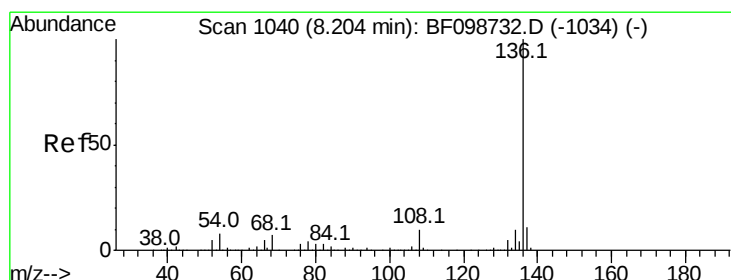
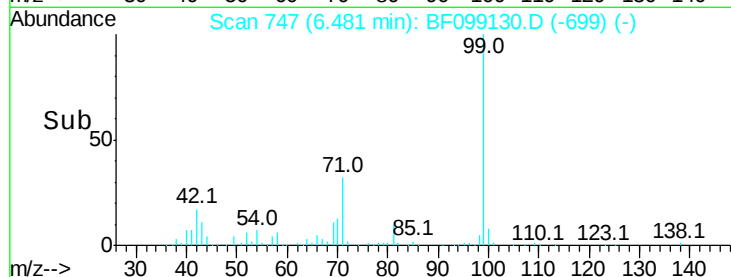
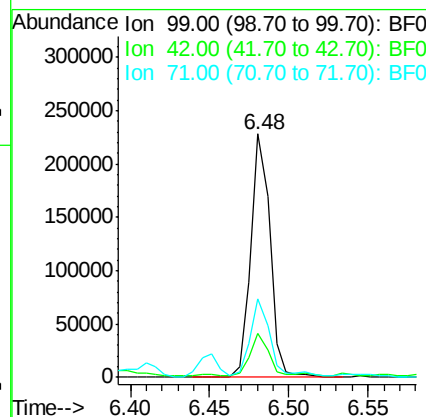
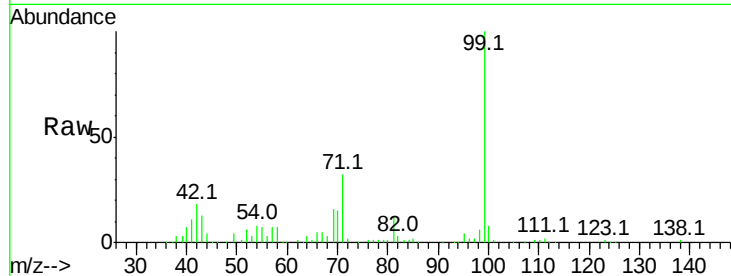
ClientSampleId :

B-72(13.5-14)

Tot Ion:	99	Resp:	192326
Ion Ratio	Lower	Upper	
99	100		
42	17.9	14.5	21.7
71	32.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

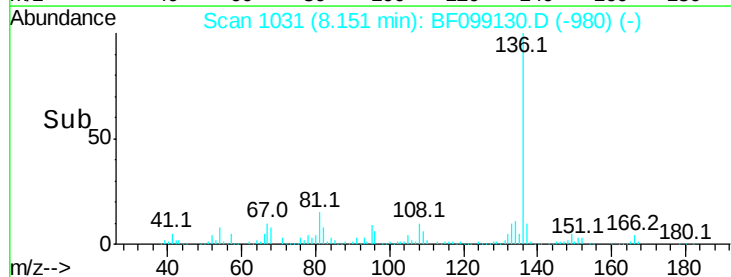
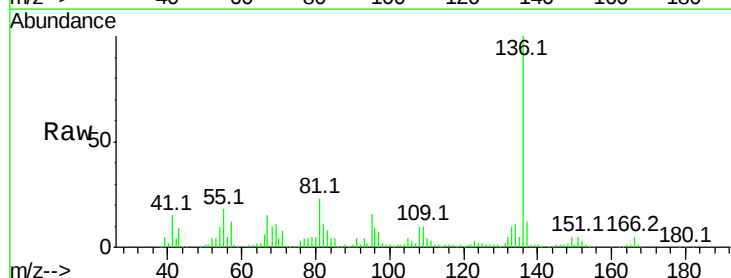
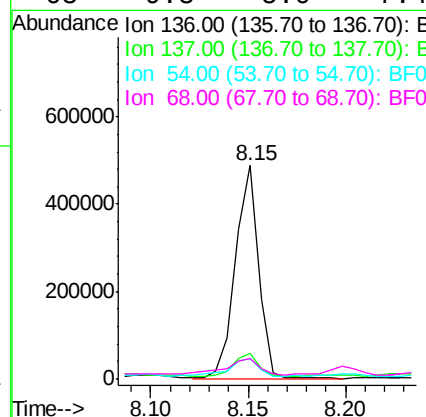
RT: 8.15 min Scan# 1031

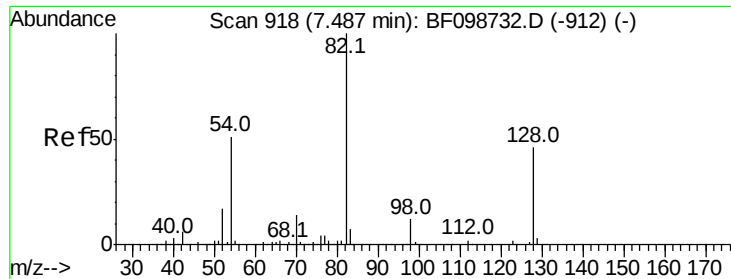
Delta R.T. -0.00 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Tgt Ion:	136	Resp:	400896
Ion Ratio	Lower	Upper	
136	100		
137	12.0	8.9	13.3
54	9.6	6.6	9.8
68	9.8	5.0	7.4#





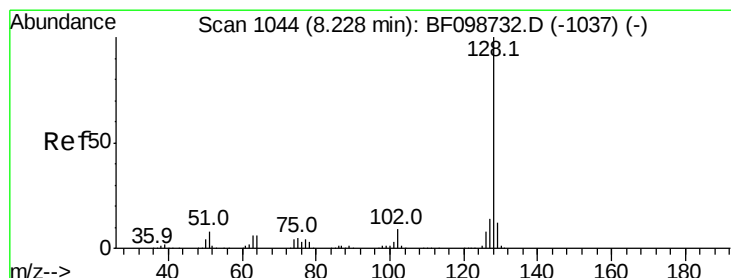
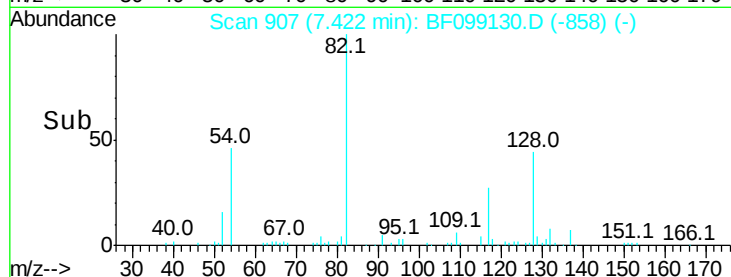
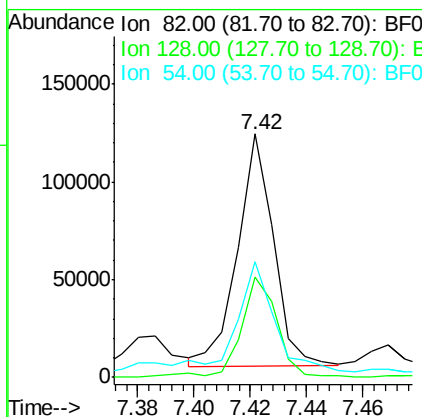
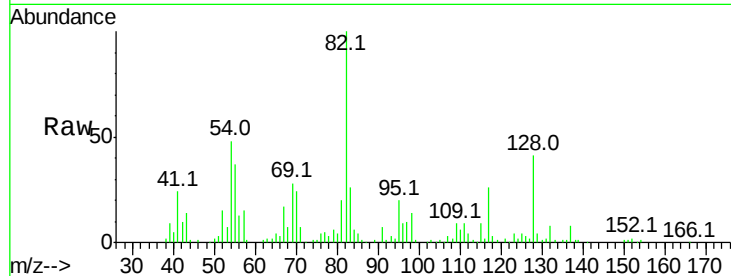
#23
Nitrobenzene-d5
Concen: 16.897 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :
B-72(13.5-14)

Tot Ion	82	Resp	105630
Ion Ratio	100	Lower	Upper
128	41.3	36.1	54.1
54	47.6	41.4	62.2

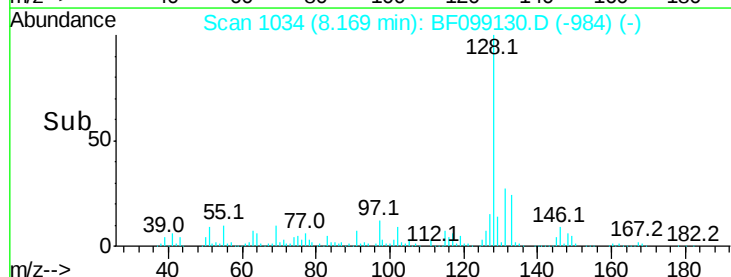
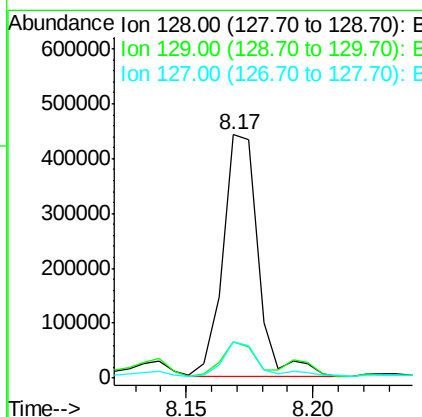
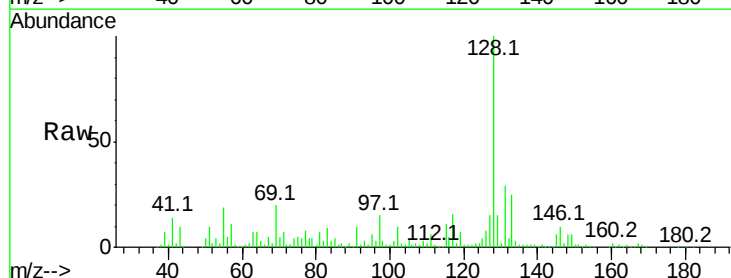
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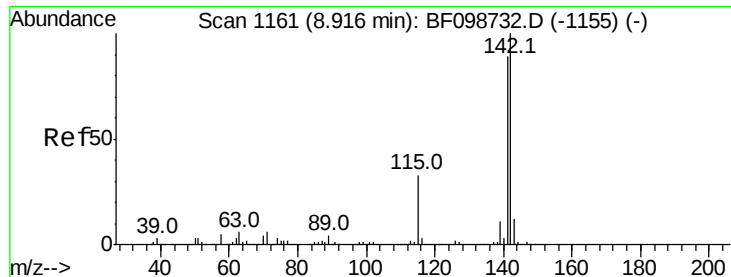
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#31
Naphthalene
Concen: 22.776 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Tgt Ion	128	Resp	428847
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	15.1	8.8	13.2#
127	15.0	10.9	16.3





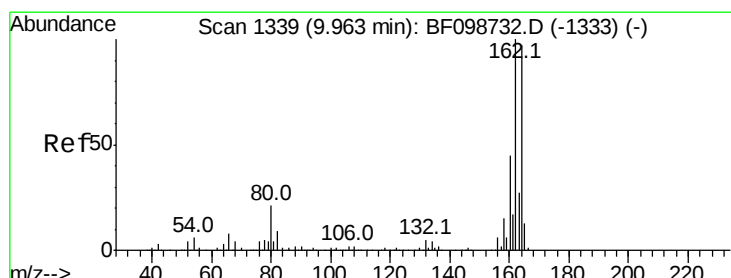
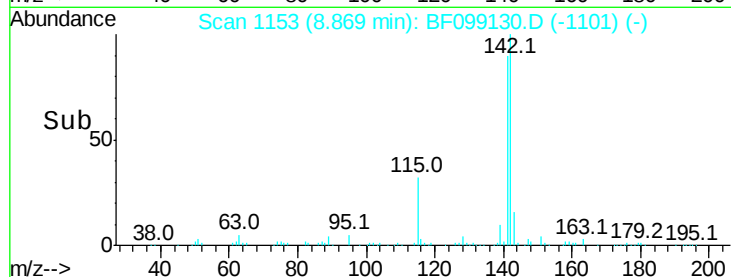
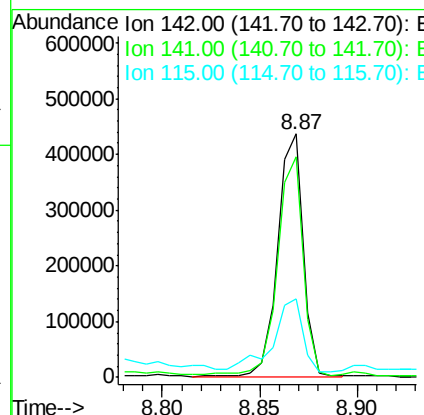
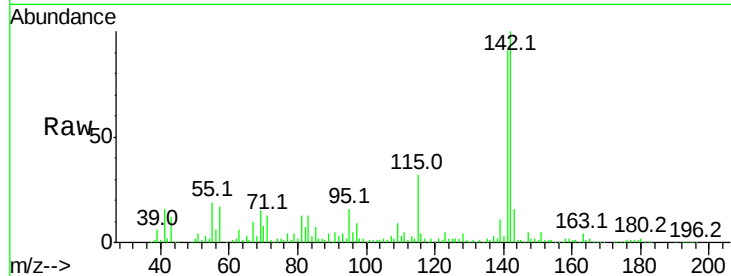
#37
2-Methylnaphthalene
Concen: 31.881 ng
RT: 8.87 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Instrument :
BNA_F
ClientSampled :
B-72(13.5-14)

Tot Ion	Ratio	Resp	Lower	Upper
142	100	390233		
141	90.6	70.8	106.2	
115	32.5	26.1	39.1	

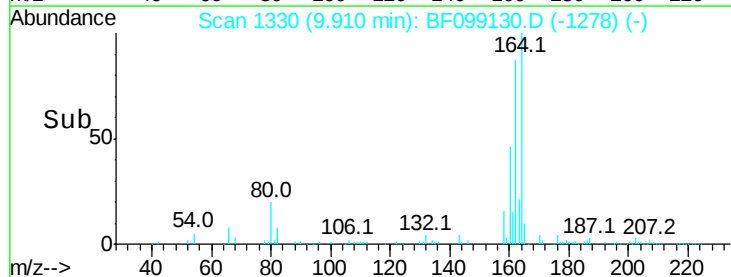
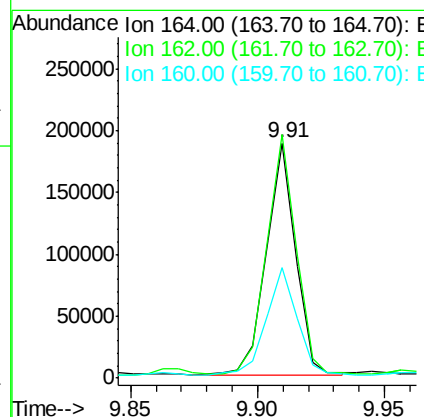
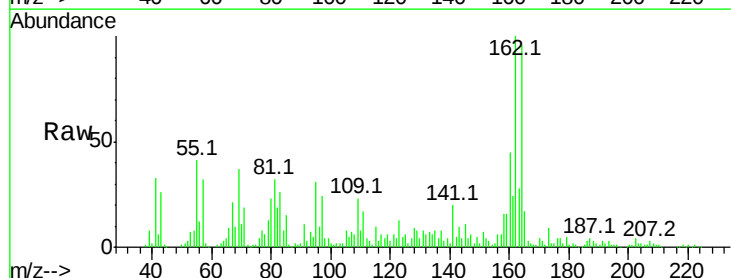
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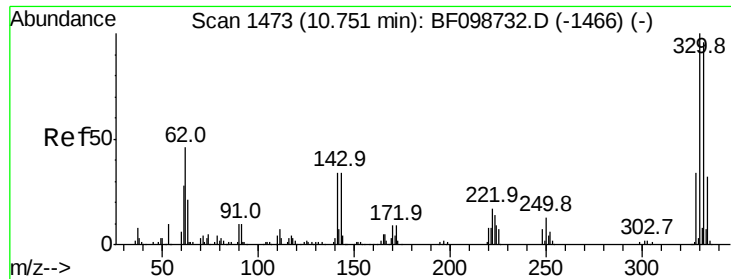
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	149765		
162	103.6	86.1	129.1	
160	46.8	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 15.619 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Instrument :

BNA_F

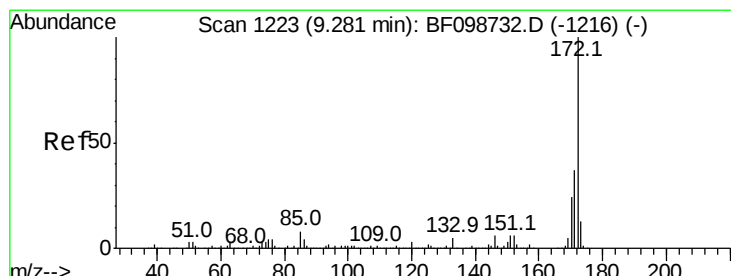
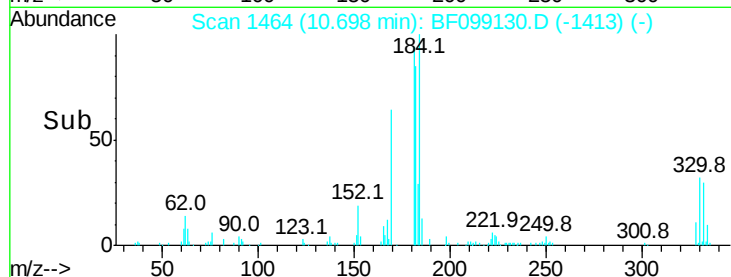
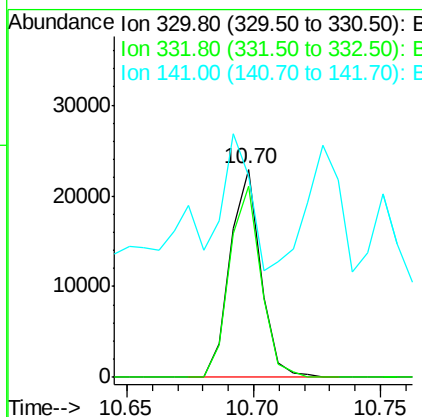
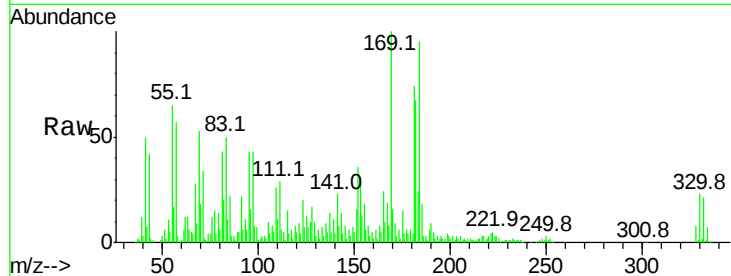
ClientSampled :

B-72(13.5-14)

Tot Ion:	330	Resp:	19141
Ion Ratio	Lower	Upper	
330	100		
332	94.3	77.0	115.6
141	140.7	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 14.692 ng

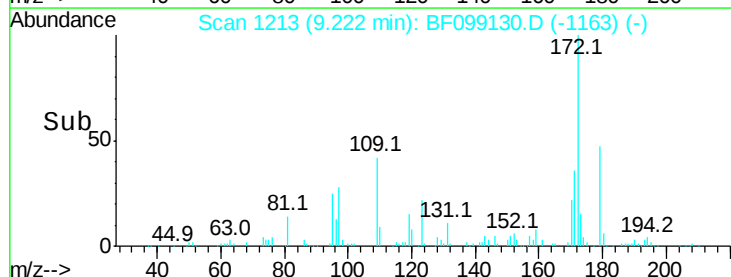
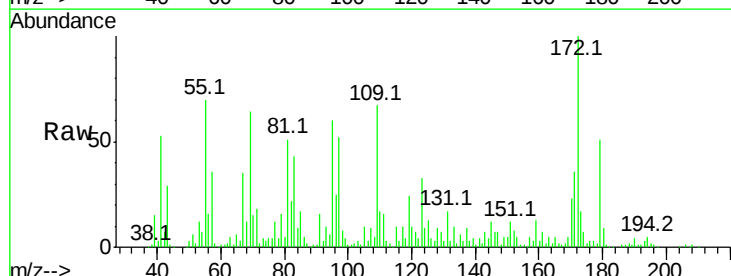
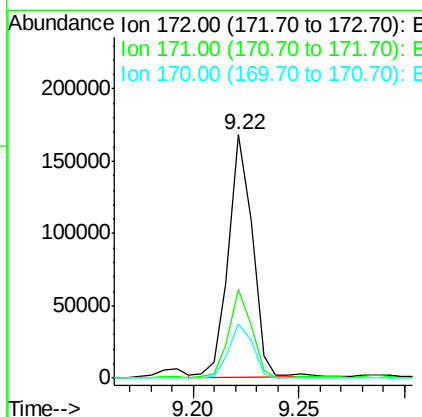
RT: 9.22 min Scan# 1213

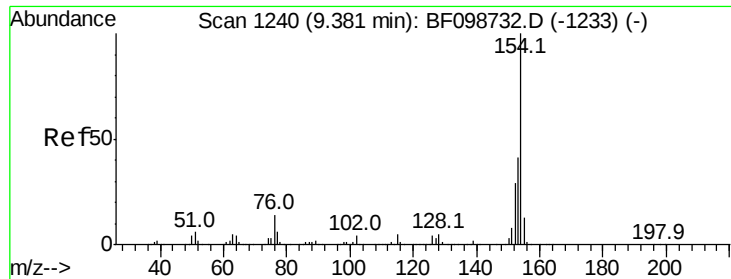
Delta R.T. -0.01 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Tgt Ion:	172	Resp:	131800
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.7	44.5
170	22.5	19.6	29.4





#45

1,1'-Biphenyl

Concen: 3.652 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.00 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Instrument :

BNA_F

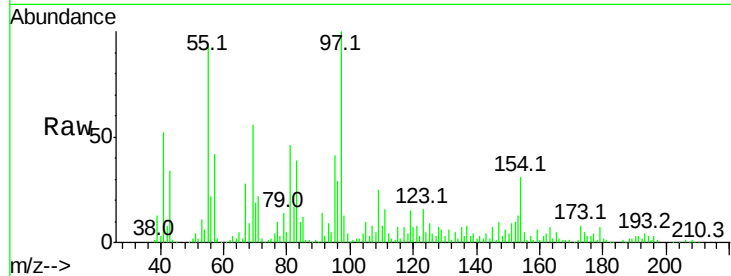
ClientSampleId :

B-72(13.5-14)

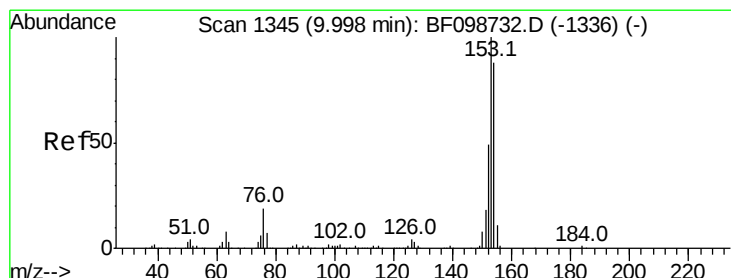
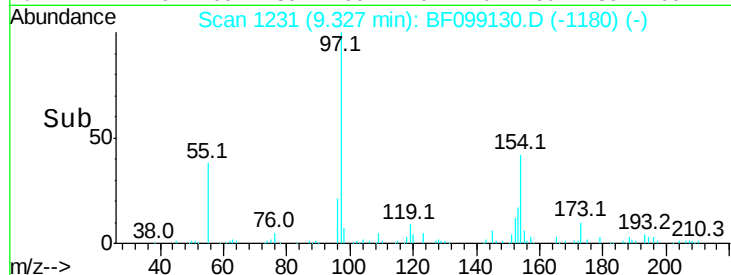
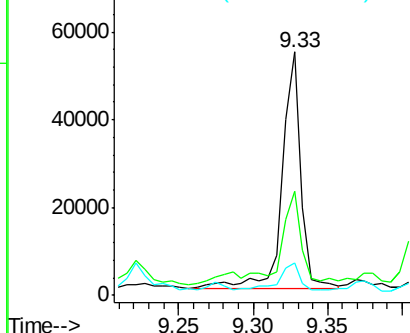
Tot Ion:	154	Resp:	47004
Ion Ratio	Lower	Upper	
154	100		
153	42.7	21.3	61.3
76	13.3	0.0	34.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#51

Acenaphthene

Concen: 13.215 ng

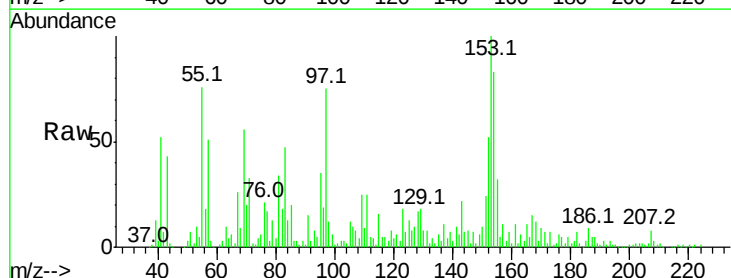
RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

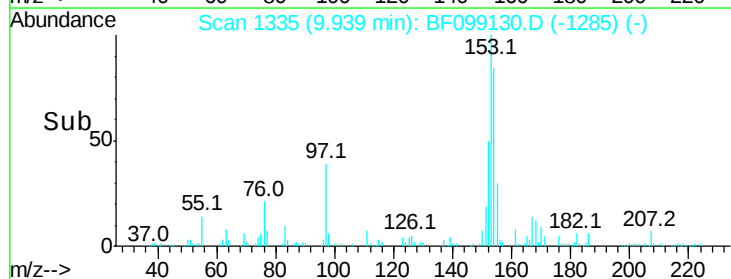
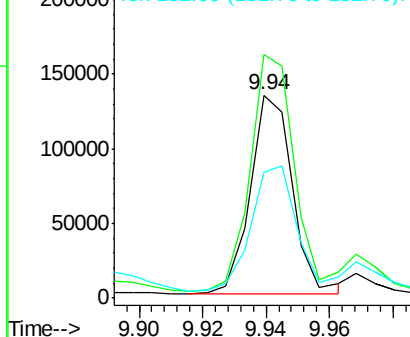
Lab File: BF099130.D

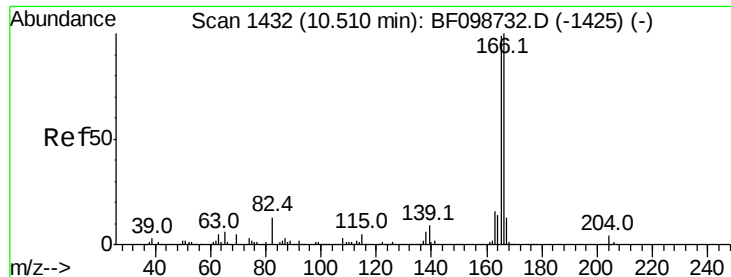
Acq: 6 Oct 2017 5:52

Tgt Ion:	154	Resp:	123846
Ion Ratio	Lower	Upper	
154	100		
153	120.0	91.2	136.8
152	62.0	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 26.390 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.00 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Instrument :

BNA_F

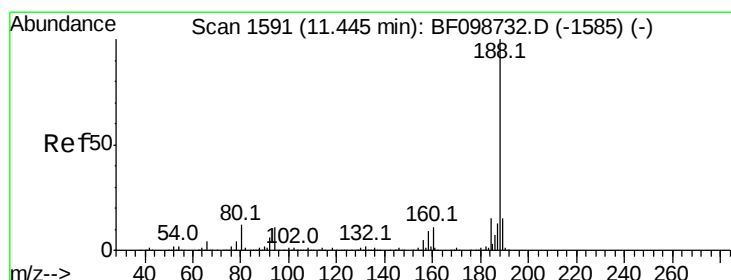
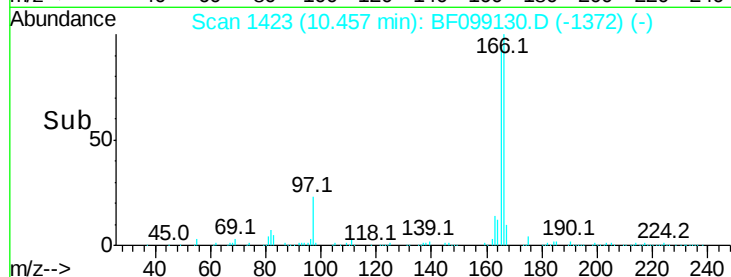
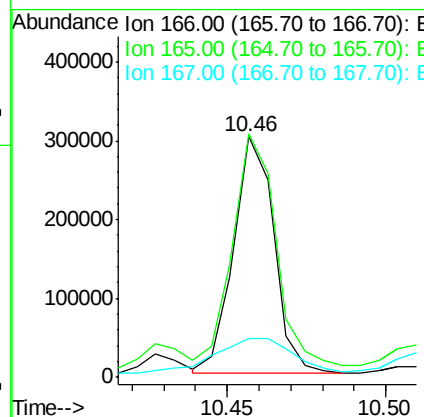
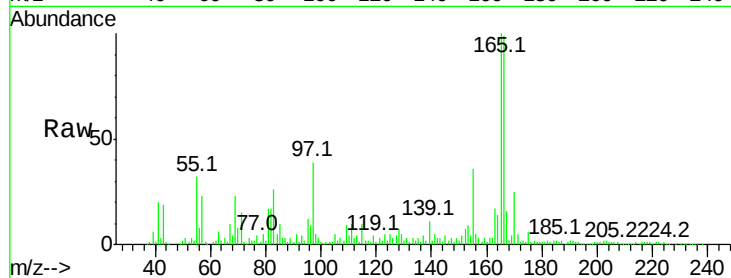
ClientSampleId :

B-72(13.5-14)

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.1	79.8	119.8
167	16.3	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

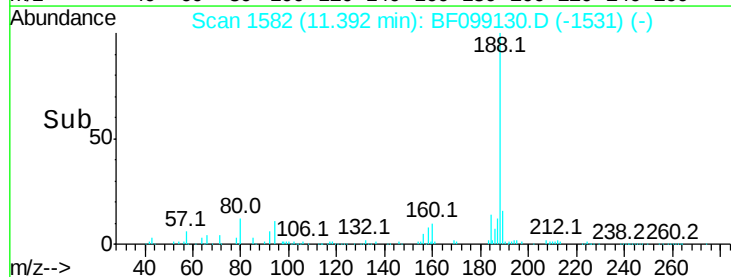
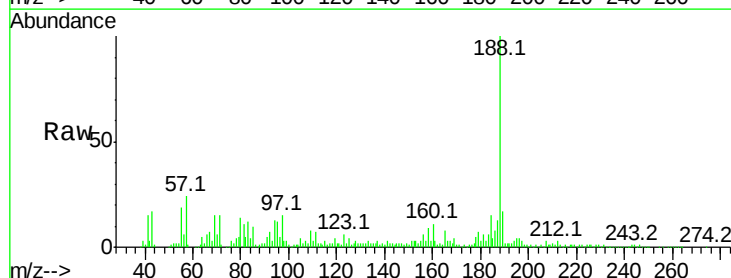
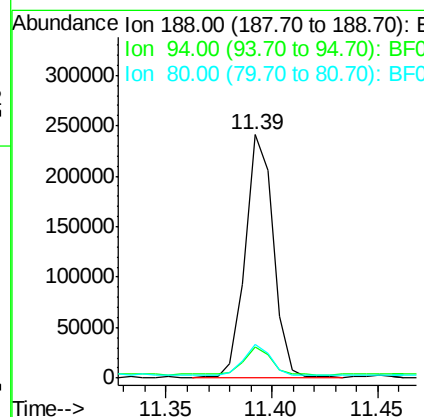
RT: 11.39 min Scan# 1582

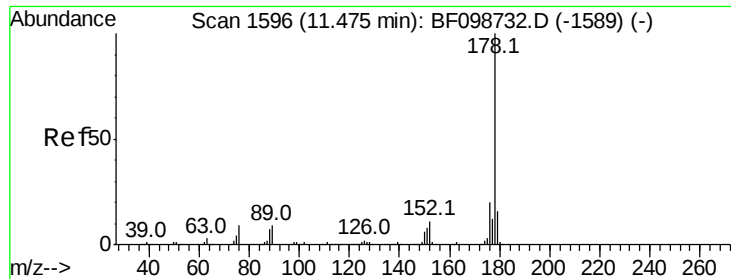
Delta R.T. -0.00 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.9	8.5	12.7
80	13.7	9.2	13.8





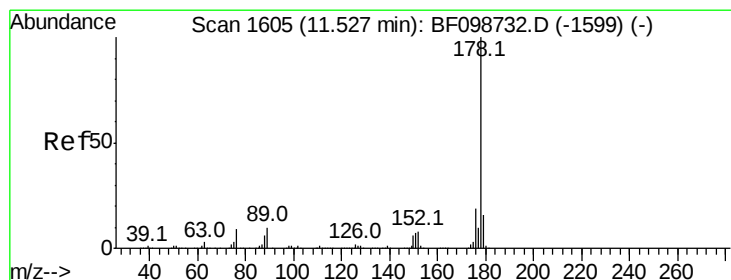
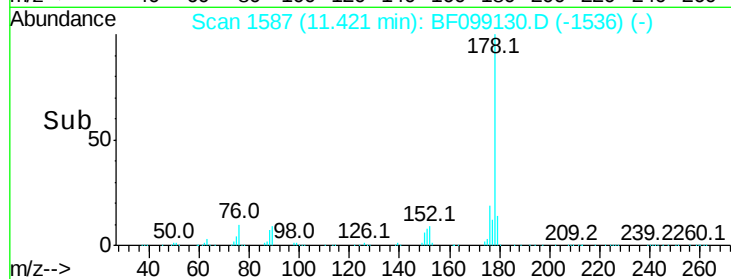
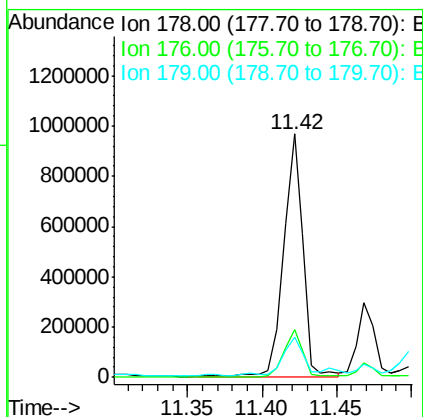
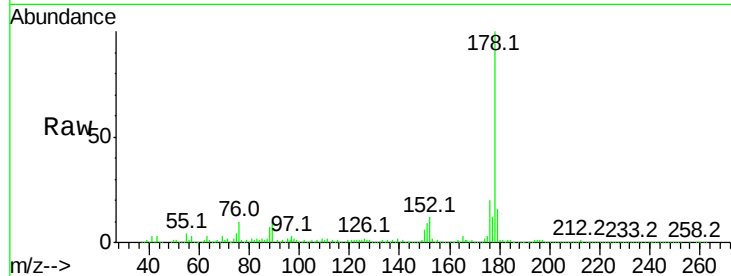
#70
Phenanthrene
Concen: 74.055 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :
B-72(13.5-14)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	16.3	13.0	19.6

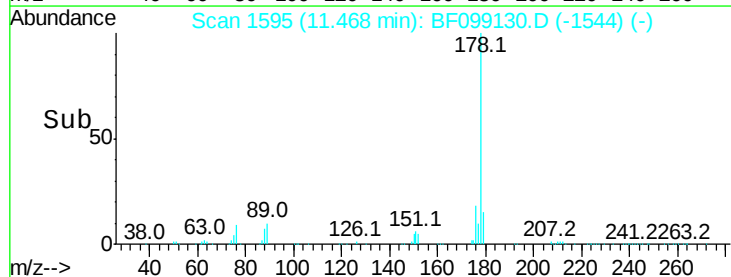
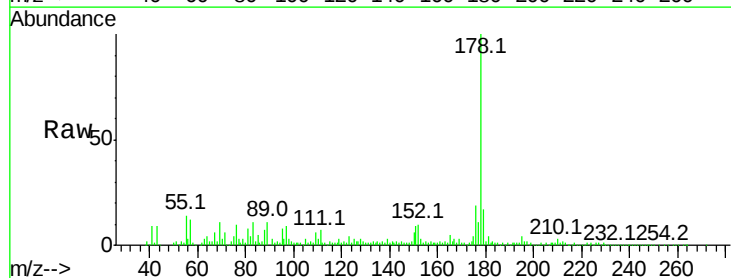
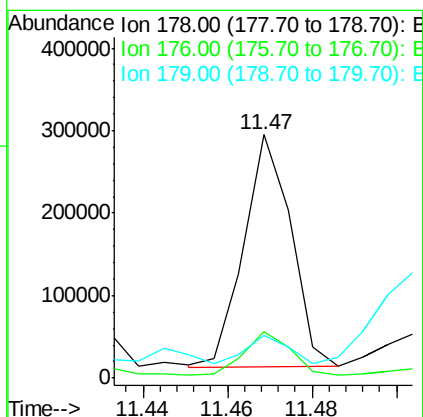
Manual Integrations
APPROVED

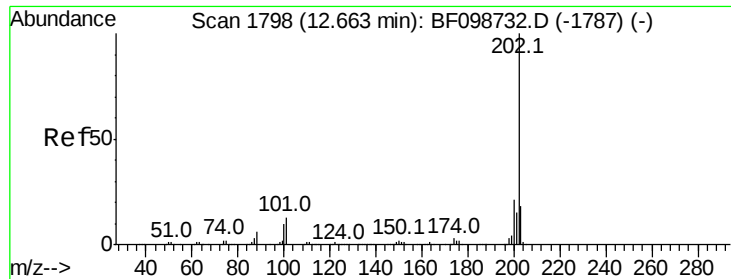
Sohil
10/6/2017 5:35:08 PM



#71
Anthracene
Concen: 18.073 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	17.4	12.6	19.0





#74

Fluoranthene

Concen: 36.103 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Instrument :

BNA_F

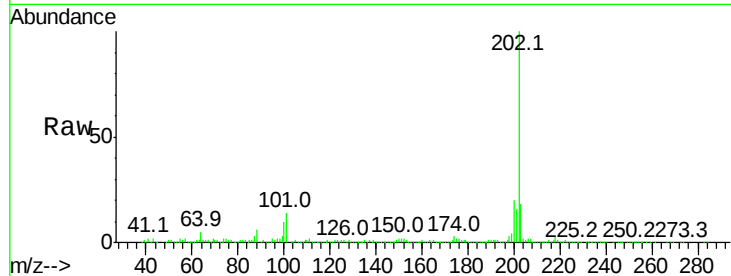
ClientSampleId :

B-72(13.5-14)

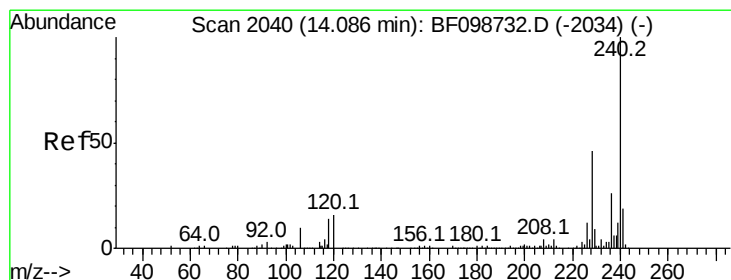
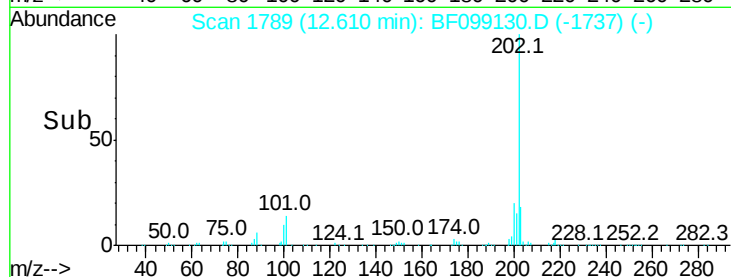
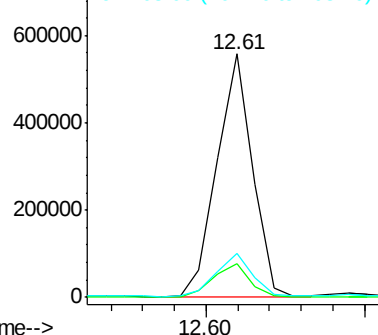
Tot Ion:	202	Resp:	429712
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	34.1
203	17.9	0.0	38.1

Manual Integrations
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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

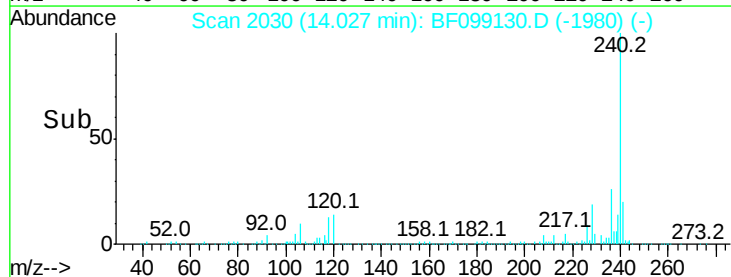
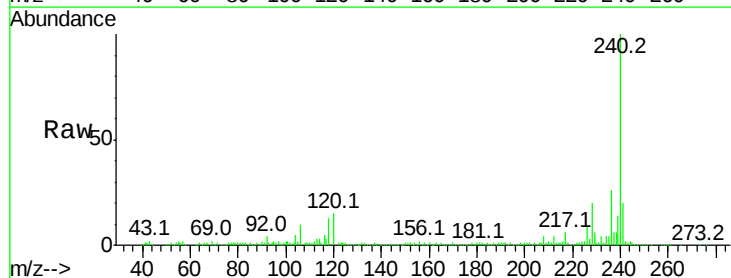
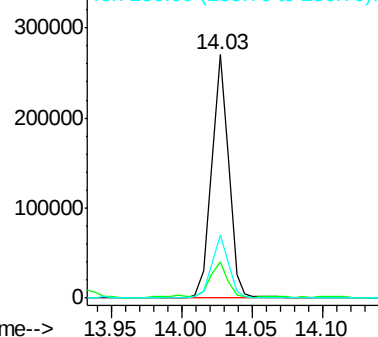
Delta R.T. -0.01 min

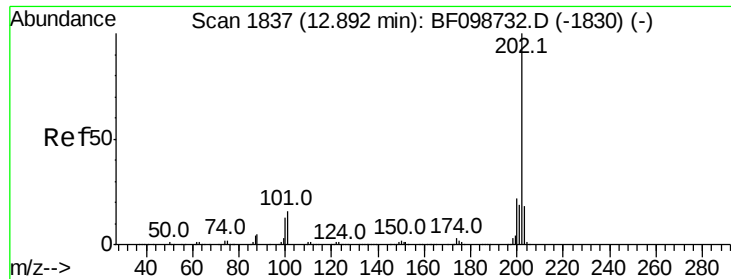
Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Tgt Ion:	240	Resp:	226431
Ion Ratio	Lower	Upper	
240	100		
120	14.7	9.5	14.3#
236	26.1	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





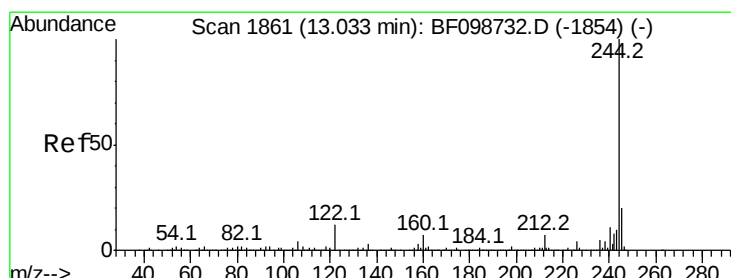
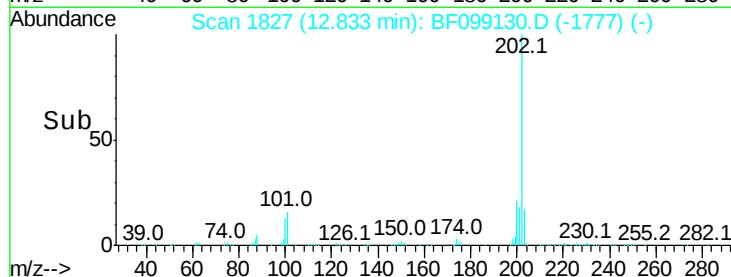
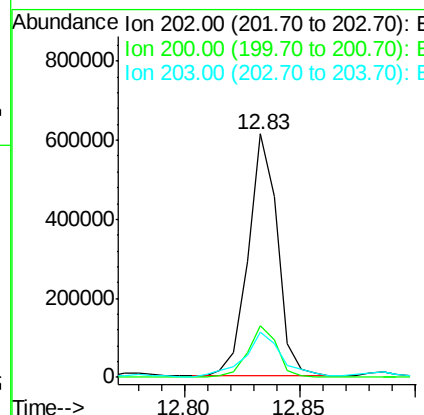
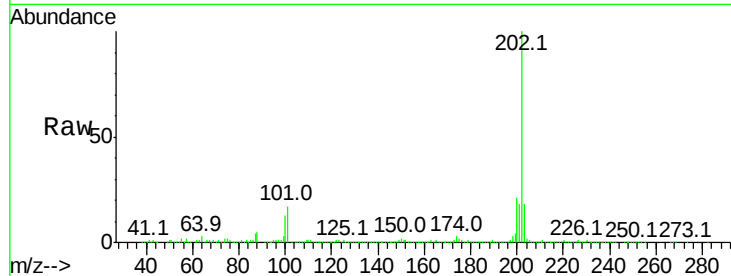
#77
Pvrene
Concen: 31.586 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :
B-72(13.5-14)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.4	26.2
203	18.5	14.3	21.5

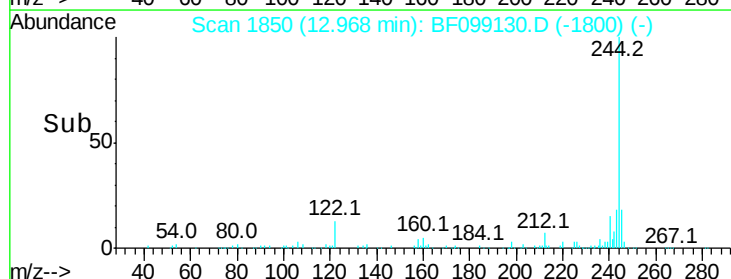
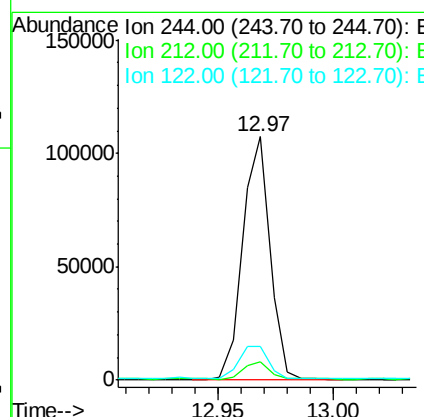
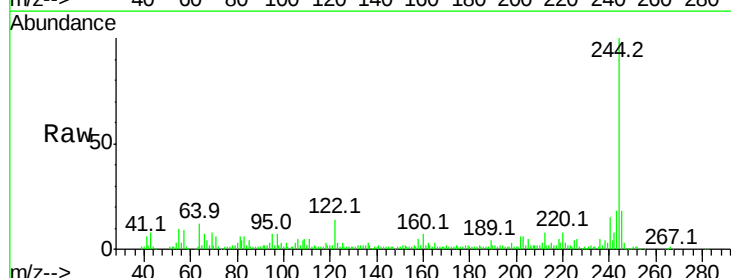
Manual Integrations
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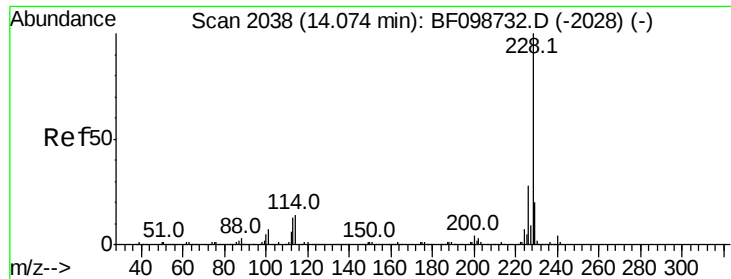
Sohil
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#78
Terphenyl-d14
Concen: 8.949 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.7	5.4	8.0
122	13.9	11.0	16.4





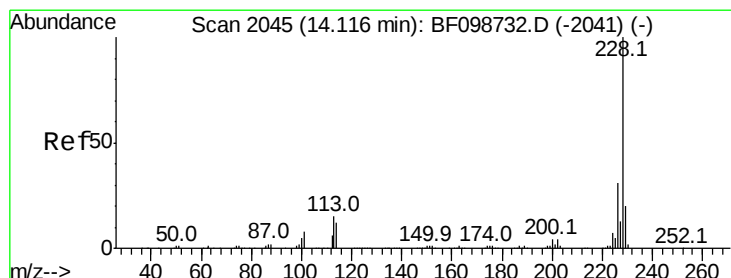
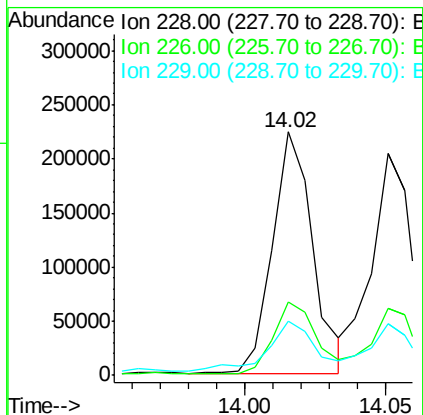
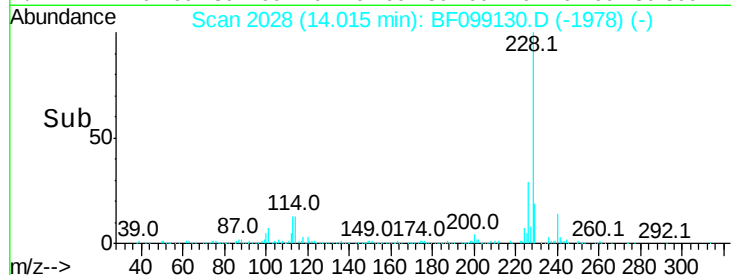
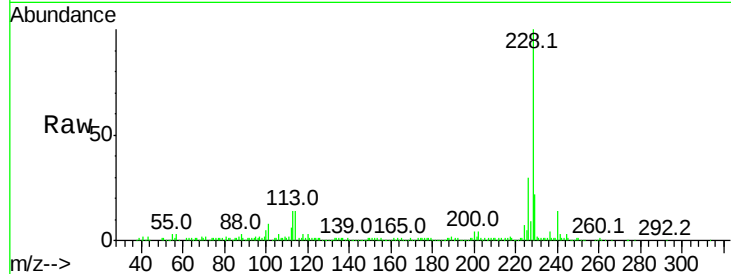
#80
Benzo(a)anthracene
Concen: 16.094 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :
B-72(13.5-14)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	22.1	15.8	23.6

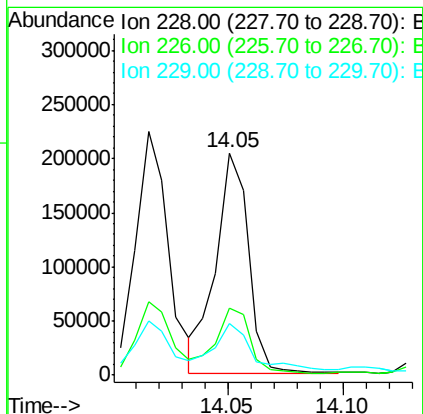
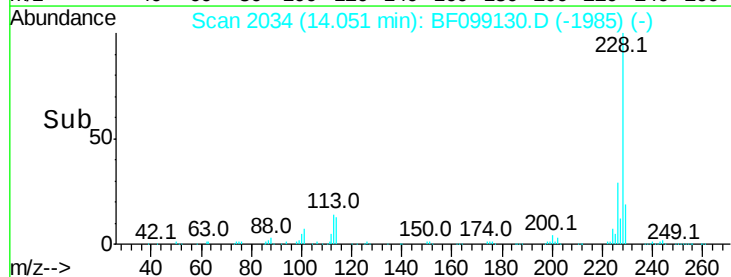
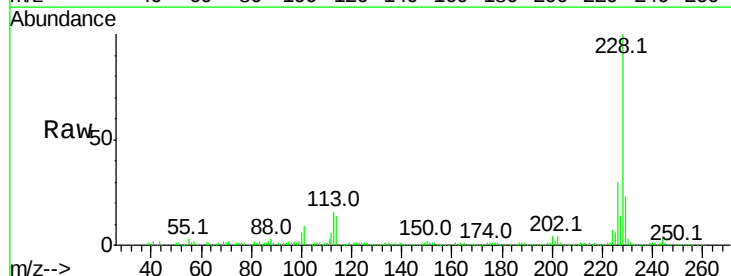
Manual Integrations
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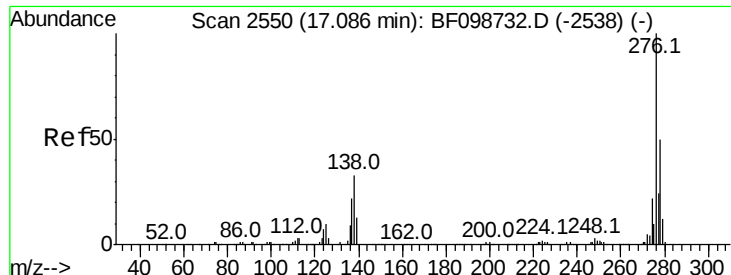
Sohil
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#82
Chrysene
Concen: 15.358 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

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





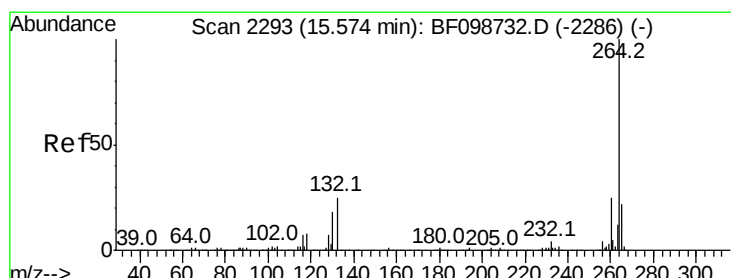
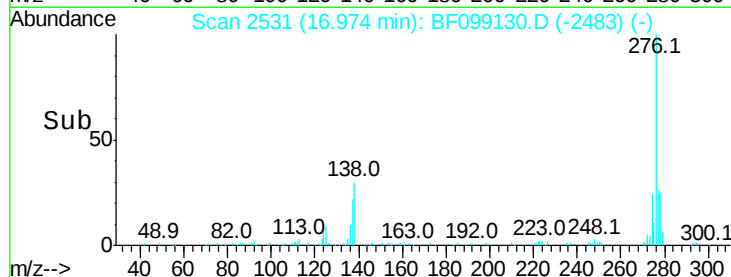
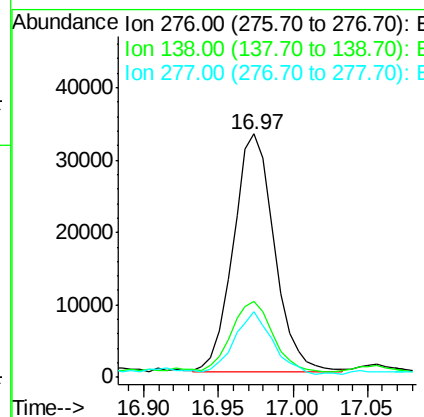
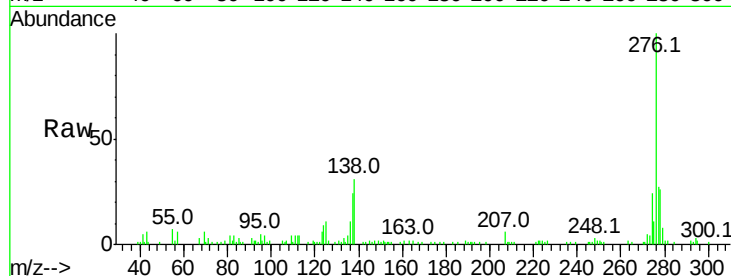
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.007 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :
B-72(13.5-14)

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.4	25.0	37.6
277	24.5	20.1	30.1

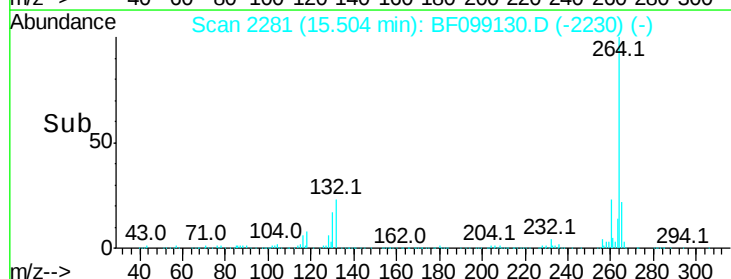
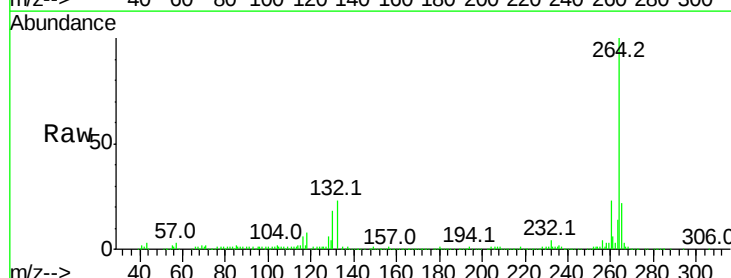
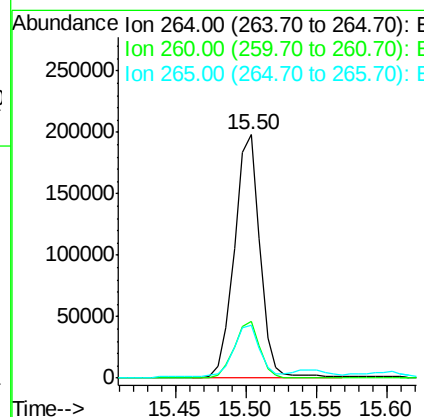
Manual Integrations
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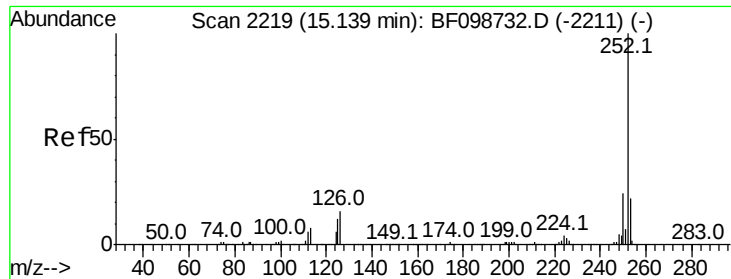
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.9	17.5	26.3





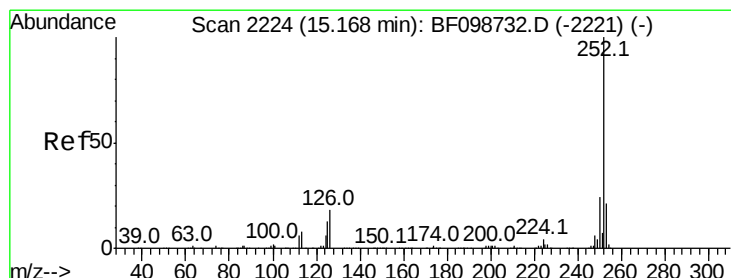
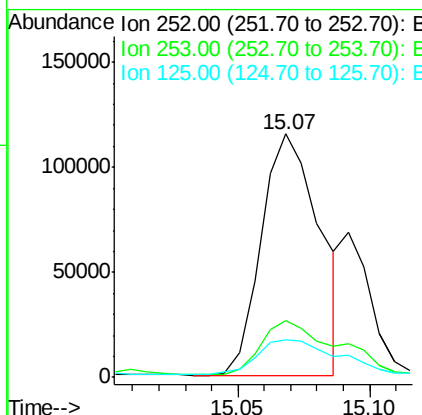
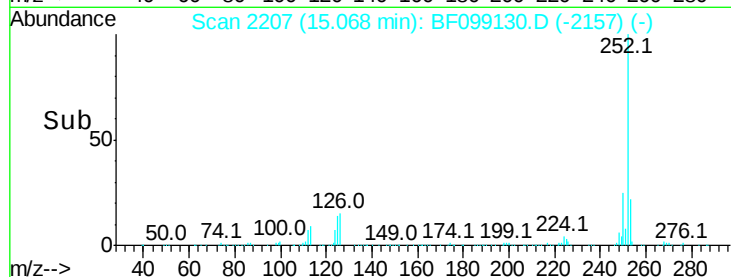
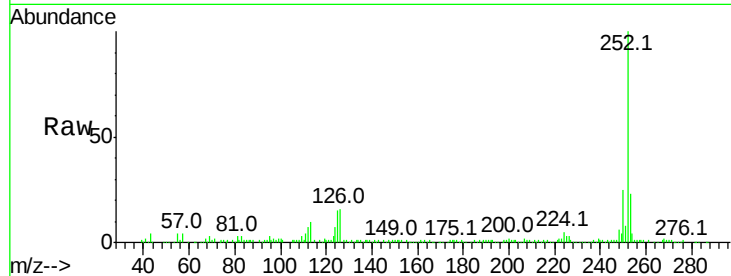
#87
Benzo(b)fluoranthene
Concen: 11.658 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Instrument :
BNA_F
ClientSampled :
B-72(13.5-14)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	15.4	9.0	13.6

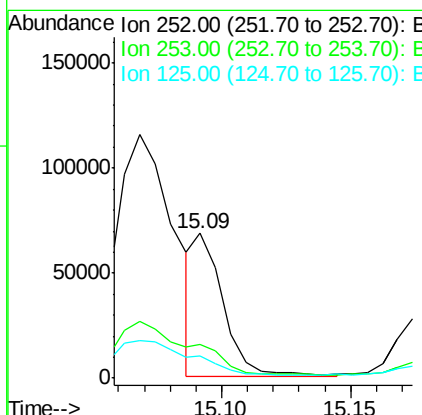
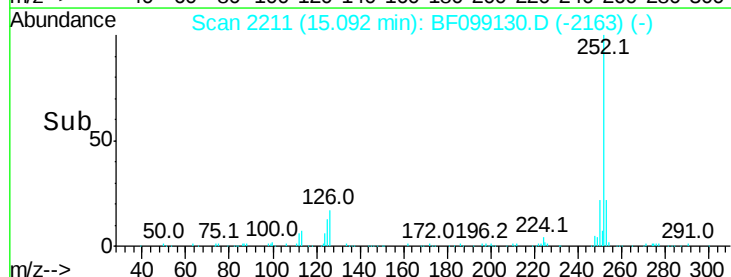
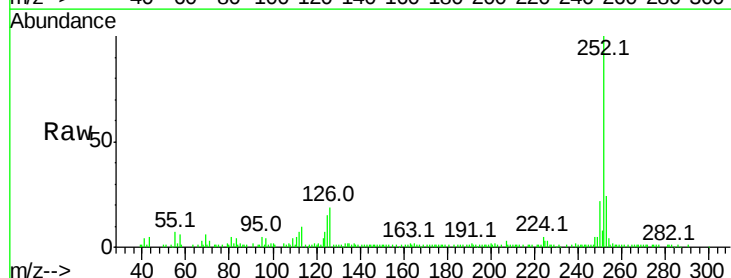
Manual Integrations
APPROVED

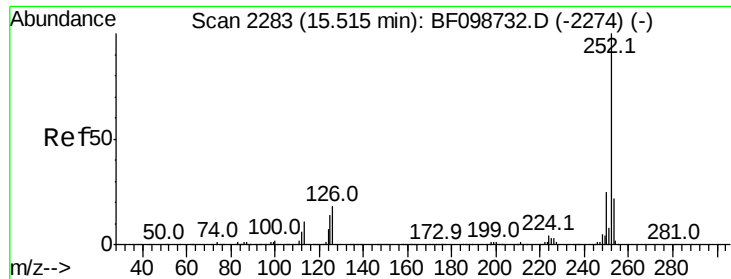
Sohil
10/6/2017 5:35:08 PM



#88
Benzo(k)fluoranthene
Concen: 3.696 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	15.2	10.2	15.2





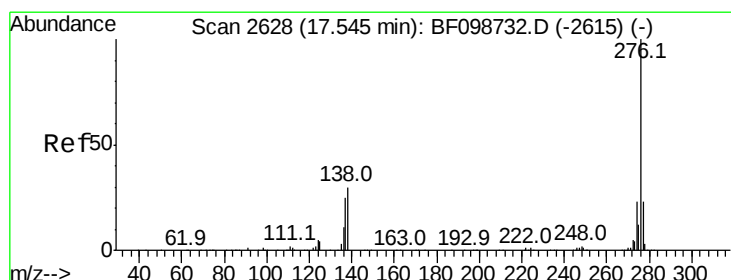
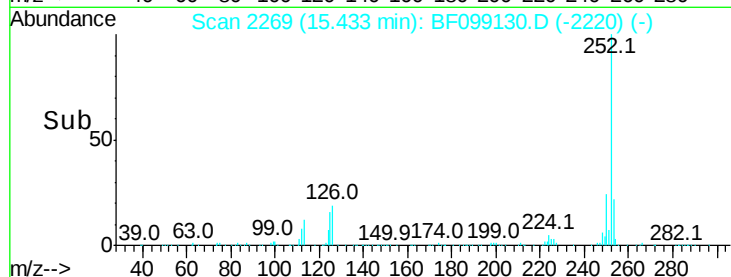
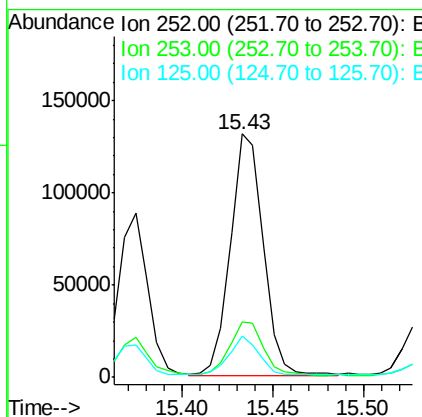
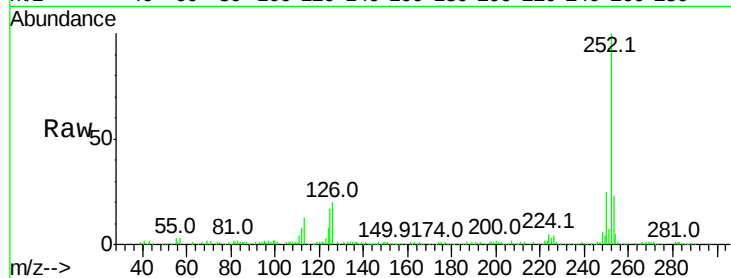
#89
Benzo(a)pyrene
Concen: 11.788 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :
B-72(13.5-14)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	17.0	9.8	14.6

Manual Integrations
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10/6/2017 5:35:08 PM



#91
Benzo(g,h,i)perylene
Concen: 5.555 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.02 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.9	26.9
138	33.1	21.8	32.8

