

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100817\
 Data File : BF099251.D
 Acq On : 9 Oct 2017 00:41
 Operator : SJ/JU
 Sample : I5587-07DL 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 G10-1.5-3DL

Manual Integrations
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Quant Time: Oct 09 04:22:09 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	132083	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	537144	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	238829	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	393515	20.00	ng	0.00
75) Chrysene-d12	14.03	240	241100	20.00	ng	0.00
86) Perylene-d12	15.51	264	240742	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	477230	57.52	ng	0.00
7) Phenol-d6	6.50	99	598543	58.48	ng	0.00
23) Nitrobenzene-d5	7.43	82	360618	43.05	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	110756	56.67	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	712770	49.82	ng	-0.01
78) Terphenyl-d14	12.97	244	503579	47.50	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.17	128	91042	3.609	ng	98
37) 2-Methylnaphthalene	8.86	142	76364	4.656	ng	98
48) Acenaphthylene	9.76	152	57909	2.455	ng	98
49) Dimethylphthalate	9.61	163	129399	7.179	ng	99
54) Dibenzofuran	10.10	168	39989	2.010	ng	# 97
70) Phenanthrene	11.41	178	436412	20.719	ng	98
71) Anthracene	11.46	178	98430	4.567	ng	99
72) Carbazole	11.62	167	66541	3.153	ng	97
74) Fluoranthene	12.60	202	861653	40.397	ng	99
77) Pyrene	12.83	202	728881	39.646	ng	100
80) Benzo(a)anthracene	14.02	228	357817	24.509	ng	98
82) Chrysene	14.06	228	380427	27.371	ng	98
85) Indeno(1,2,3-cd)pyrene	17.00	276	267401	24.050	ng	96
87) Benzo(b)fluoranthene	15.08	252	592403m	40.022	ng	
88) Benzo(k)fluoranthene	15.10	252	143125m	9.790	ng	
89) Benzo(a)pyrene	15.45	252	338398	24.906	ng	97
90) Dibenzo(a,h)anthracene	17.00	278	64162	5.901	ng	# 77
91) Benzo(g,h,i)perylene	17.46	276	257579	23.965	ng	96

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

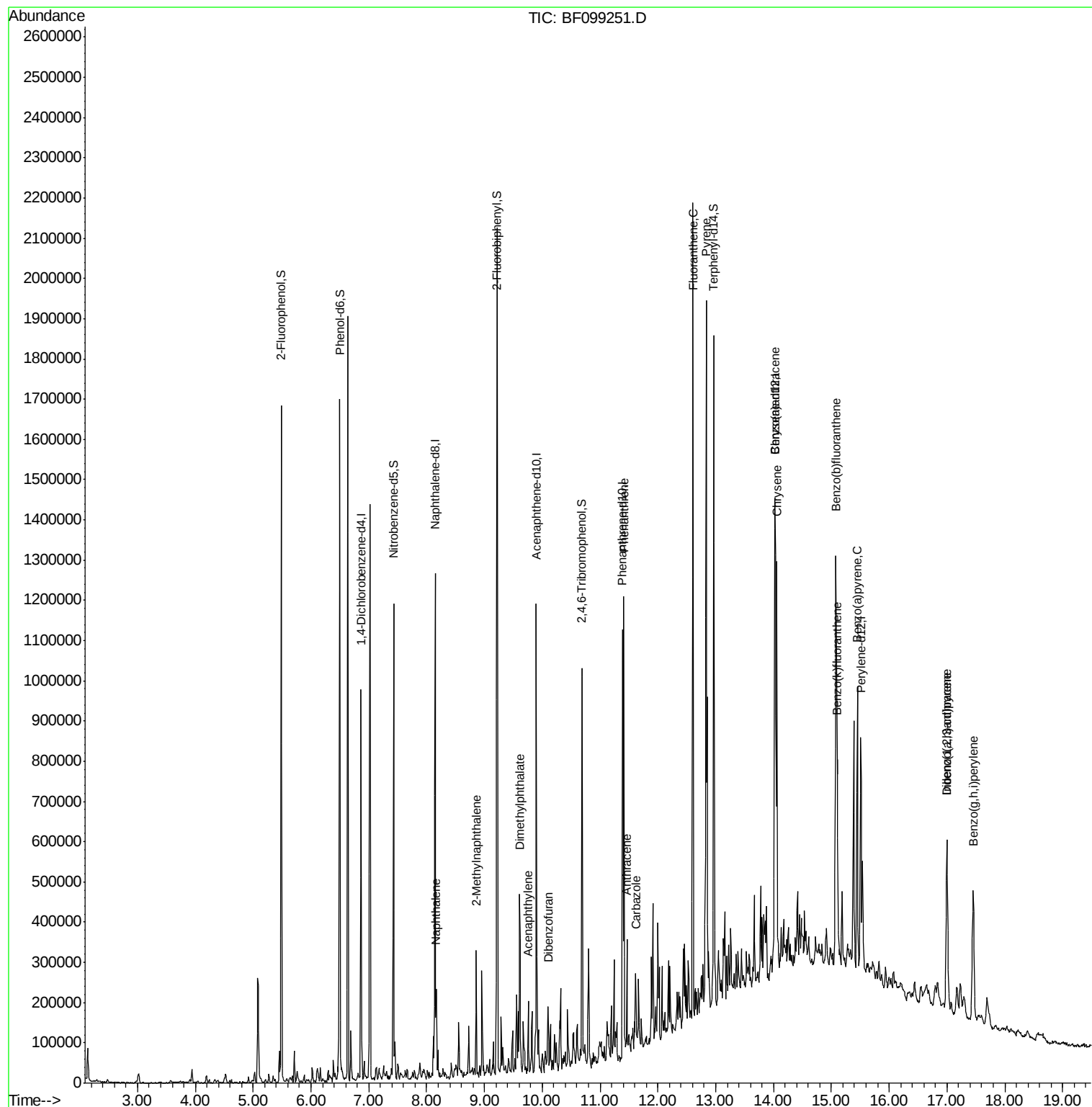
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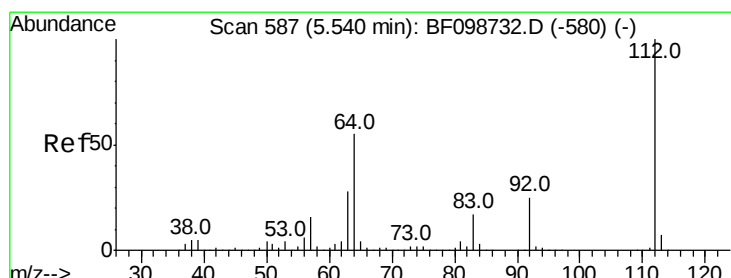
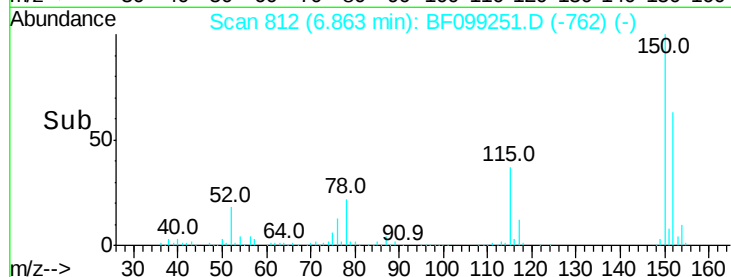
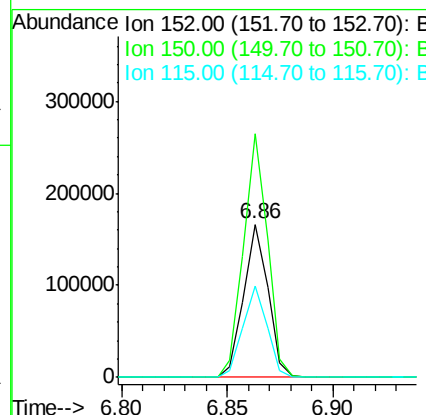
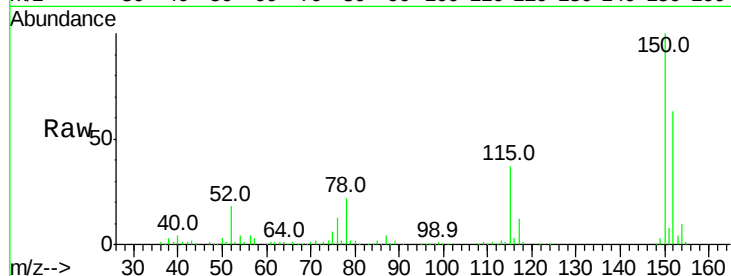
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099251.D
 Acq: 9 Oct 2017 00:41

Instrument :
 BNA_F
 ClientSampleId :
 G10-1.5-3DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	59.3	50.1	75.1

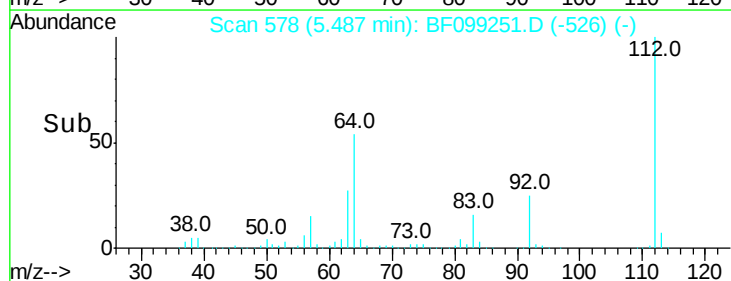
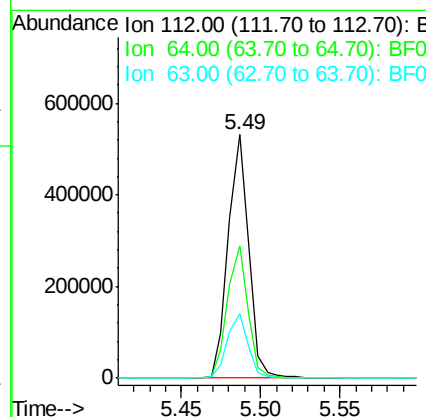
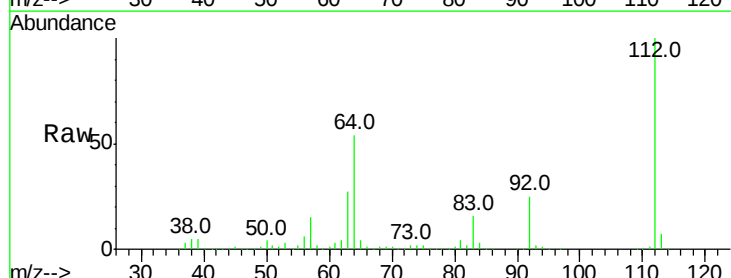
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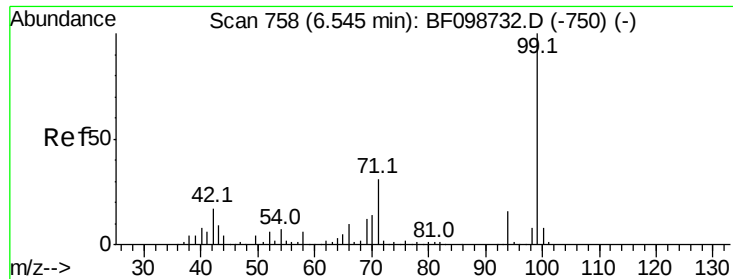
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#5
 2-Fluorophenol
 Concen: 57.517 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF099251.D
 Acq: 9 Oct 2017 00:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	47.9	71.9
63	26.6	23.7	35.5





#7

Phenol-d6

Concen: 58.477 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF099251.D

Acq: 9 Oct 2017 00:41

Instrument :

BNA_F

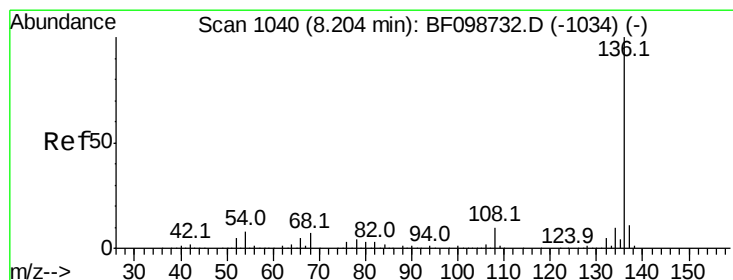
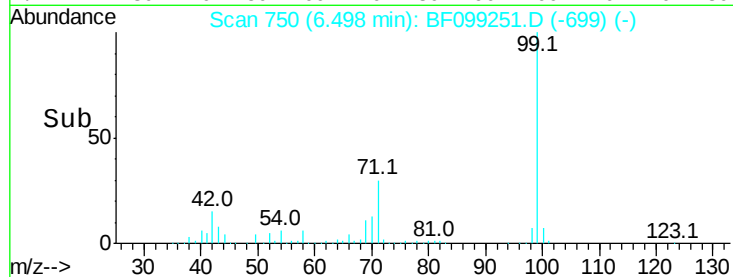
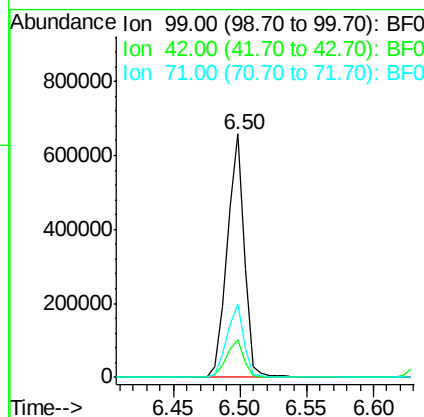
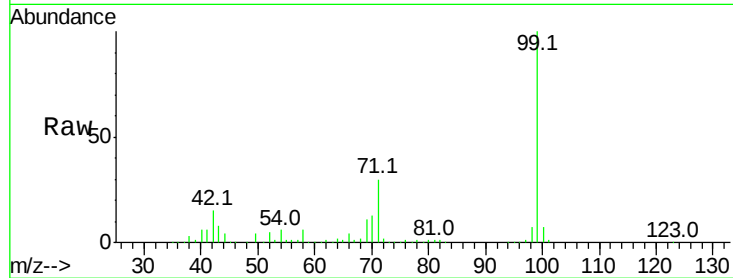
ClientSampleId :

G10-1.5-3DL

Tot Ion:	99	Resp:	598543
Ion Ratio	Lower	Upper	
99	100		
42	15.2	14.5	21.7
71	30.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

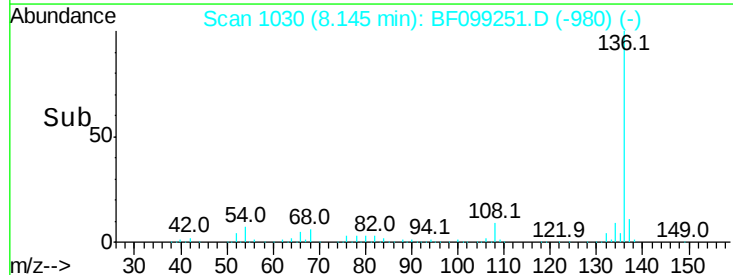
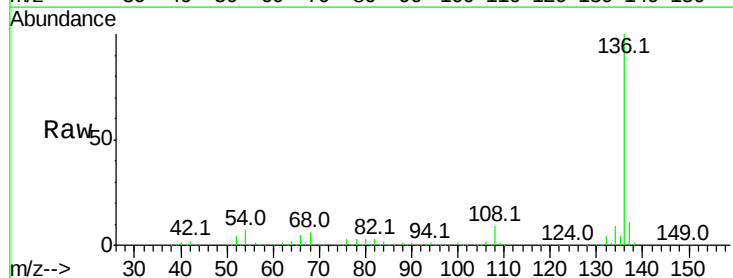
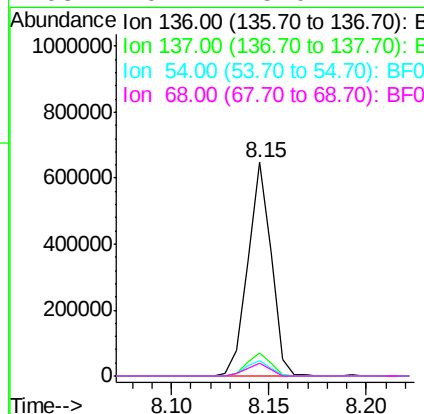
RT: 8.15 min Scan# 1030

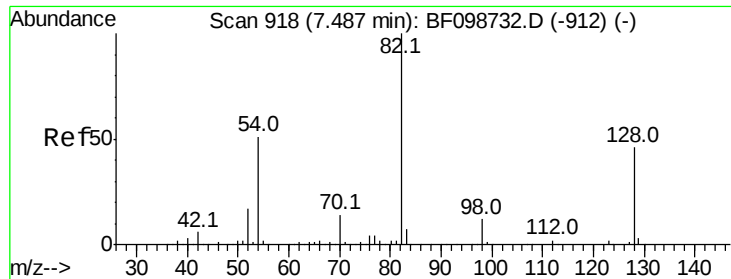
Delta R.T. -0.01 min

Lab File: BF099251.D

Acq: 9 Oct 2017 00:41

Tgt Ion:	136	Resp:	537144
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.3	6.6	9.8
68	6.2	5.0	7.4





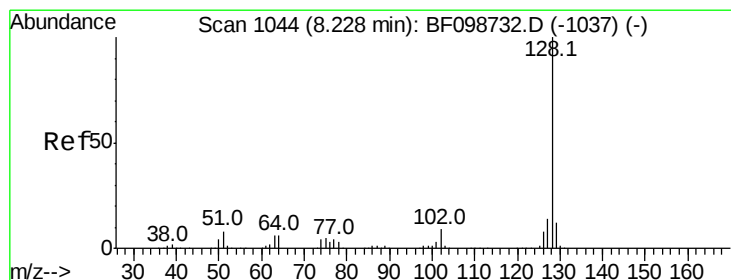
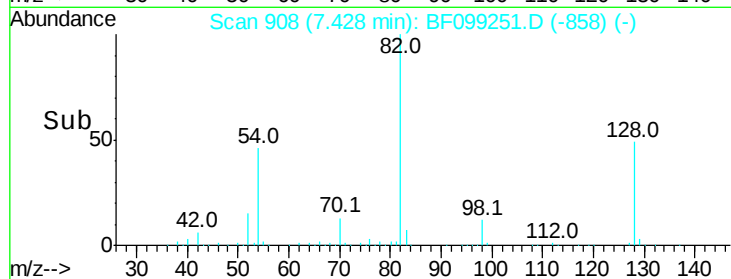
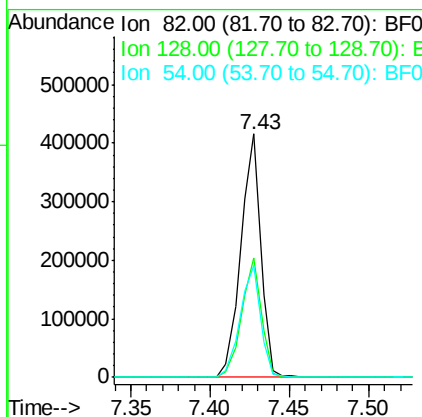
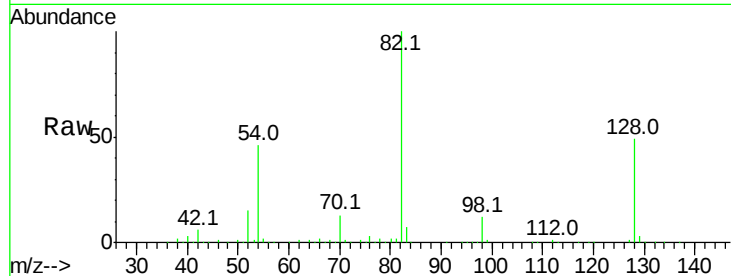
#23
Nitrobenzene-d5
Concen: 43.055 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Instrument :
BNA_F
ClientSampled :
G10-1.5-3DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.3	36.1	54.1	
54	46.1	41.4	62.2	

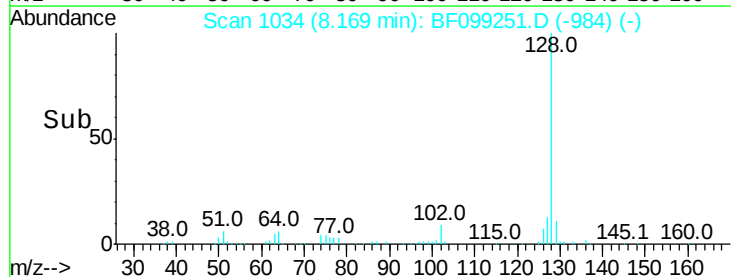
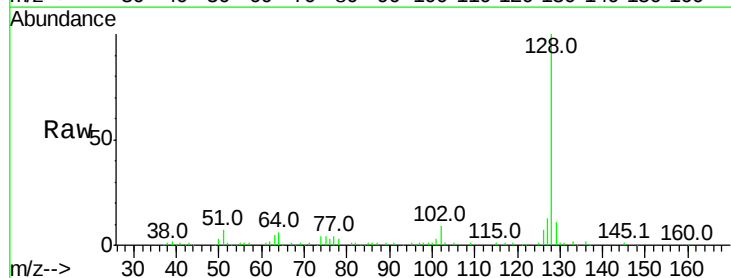
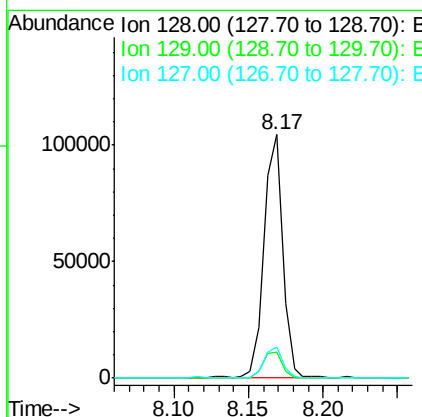
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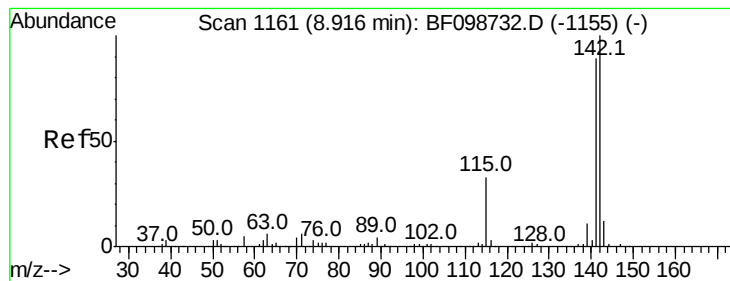
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#31
Naphthalene
Concen: 3.609 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.6	8.8	13.2	
127	12.8	10.9	16.3	





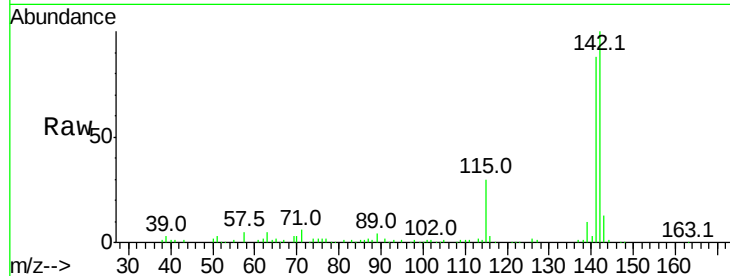
#37
2-Methylnaphthalene
Concen: 4.656 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Instrument :
BNA_F
ClientSampled :
G10-1.5-3DL

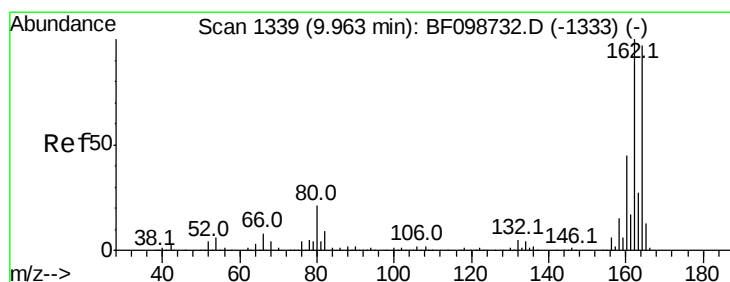
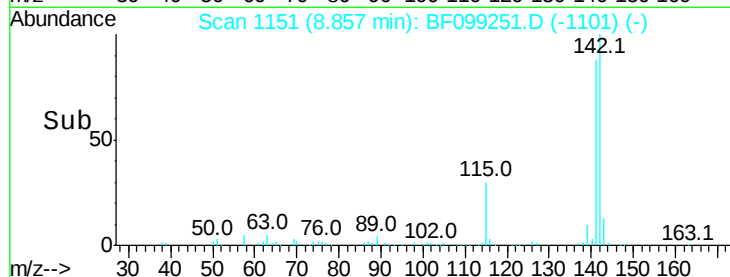
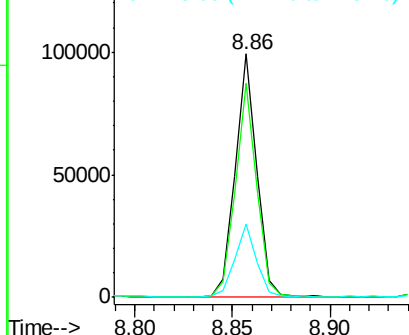
Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.8	106.2
115	29.9	26.1	39.1

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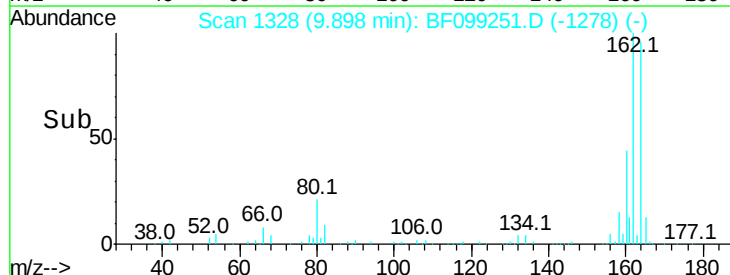
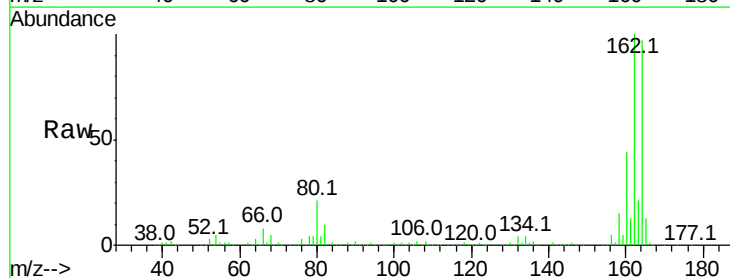
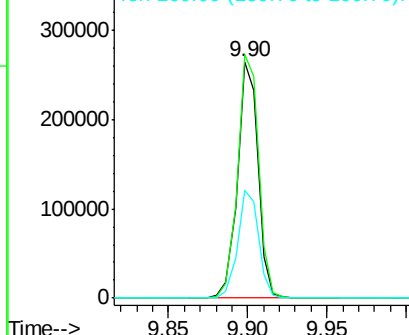
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Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

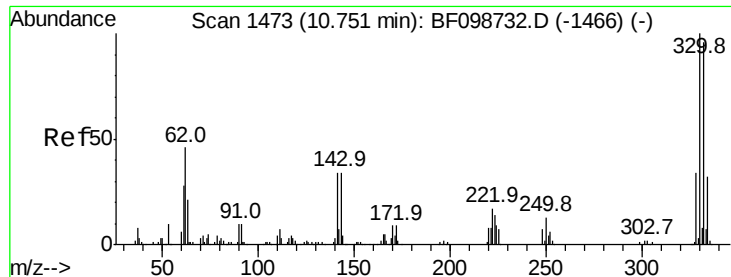


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	45.4	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





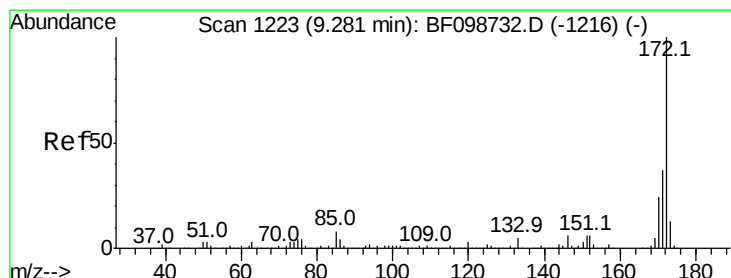
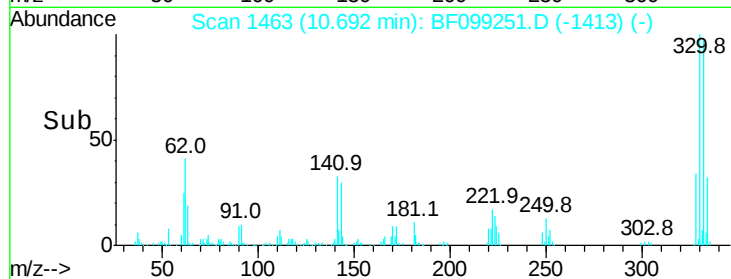
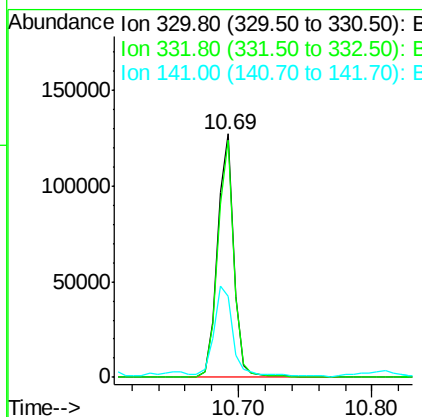
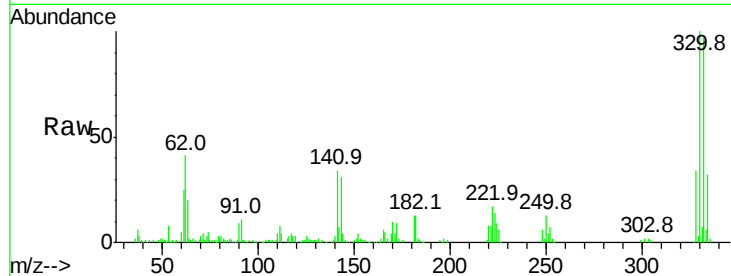
#41
 2,4,6-Tribromophenol
 Concen: 56.674 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099251.D
 Acq: 9 Oct 2017 00:41

Instrument :
 BNA_F
 ClientSampleId :
 G10-1.5-3DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	77.0	115.6	
141	43.3	29.9	44.9	

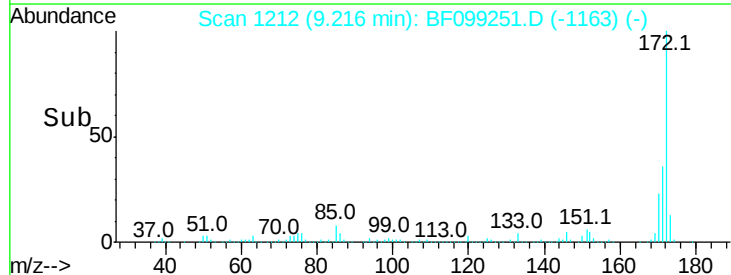
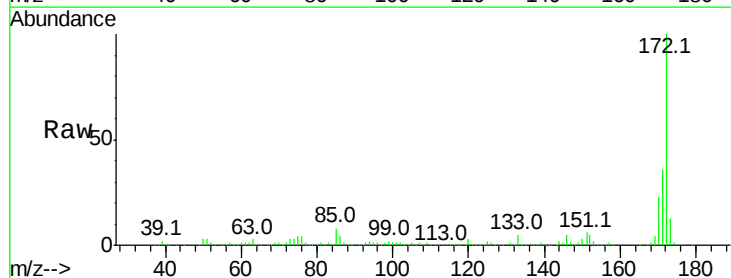
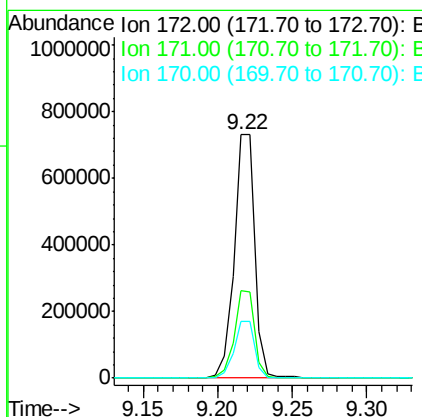
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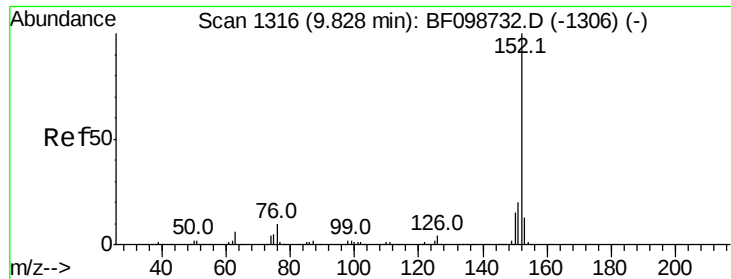
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#44
 2-Fluorobiphenyl
 Concen: 49.823 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099251.D
 Acq: 9 Oct 2017 00:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	23.3	19.6	29.4	





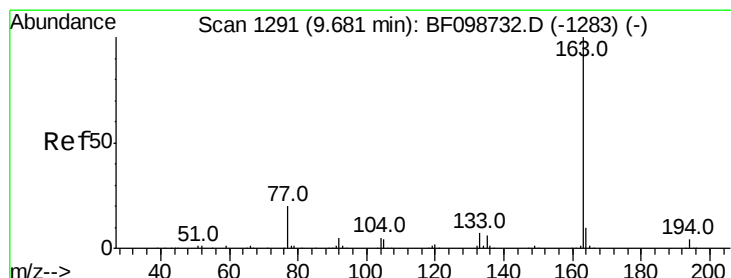
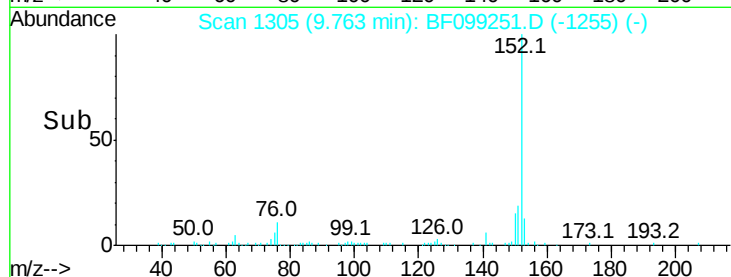
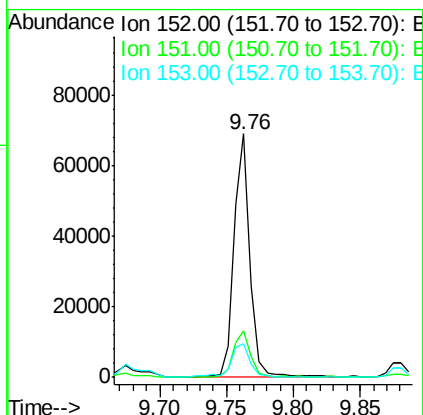
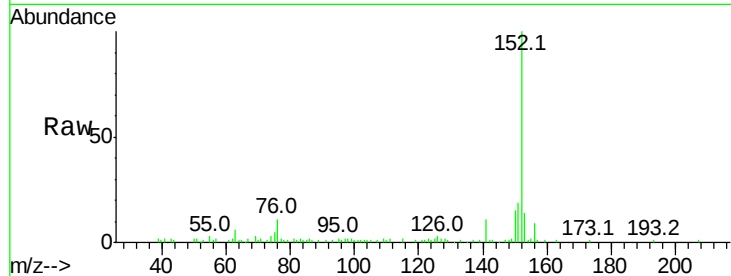
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Acenaphthylene
Concen: 2.455 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Instrument :
BNA_F
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G10-1.5-3DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.3	24.5
153	13.9	10.7	16.1

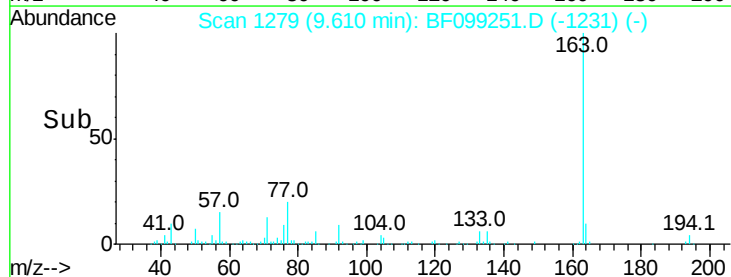
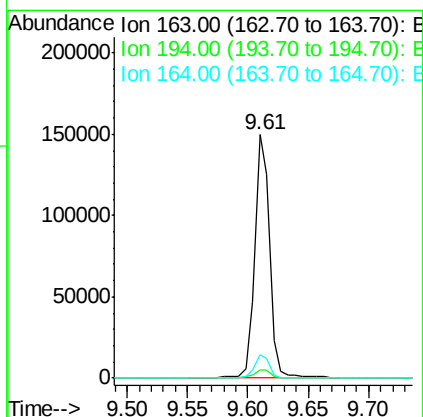
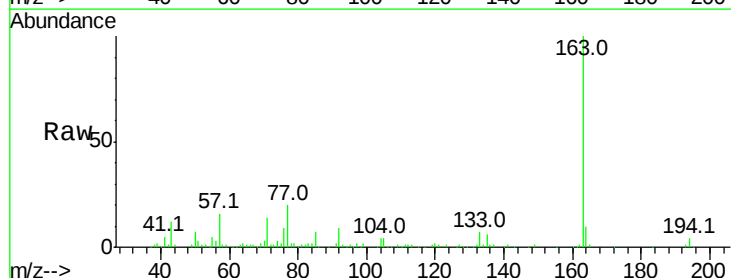
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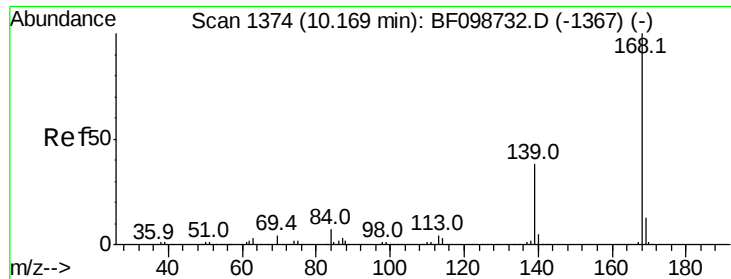
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#49
Dimethylphthalate
Concen: 7.179 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.8	8.2	12.2





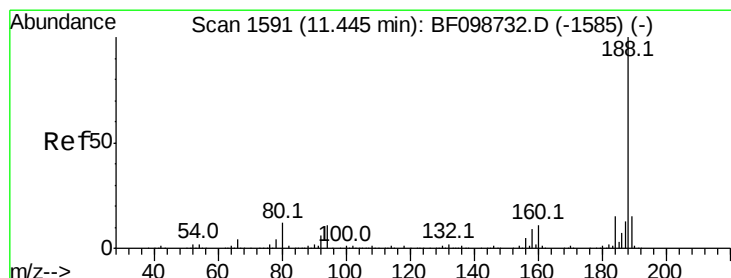
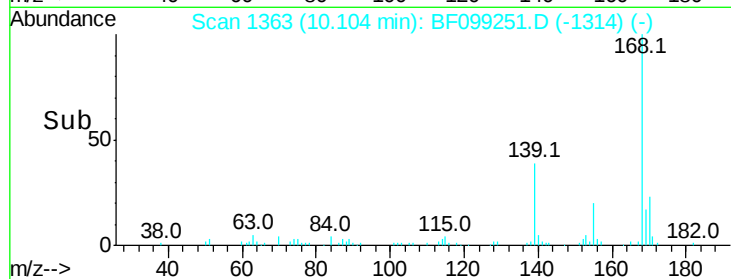
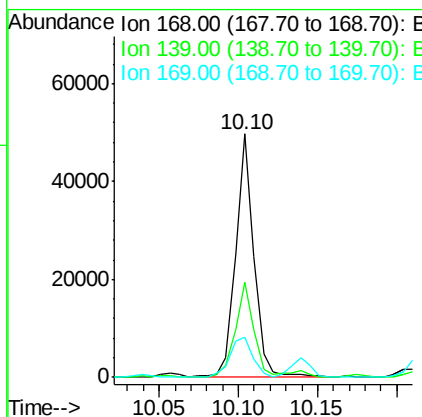
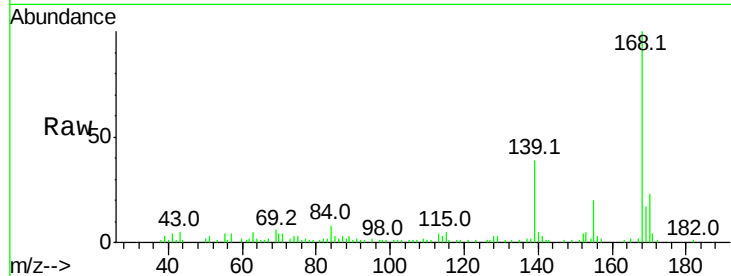
#54
Dibenzofuran
Concen: 2.010 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Instrument :
BNA_F
ClientSampleId :
G10-1.5-3DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.1	45.1
169	16.6	10.9	16.3

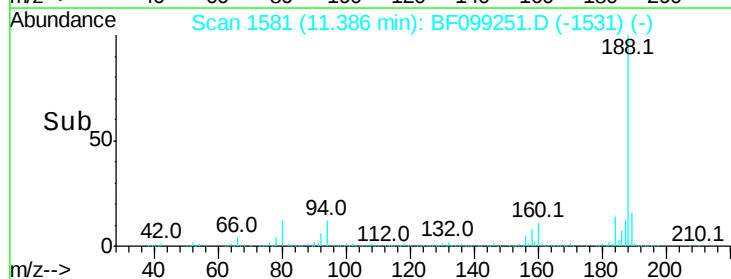
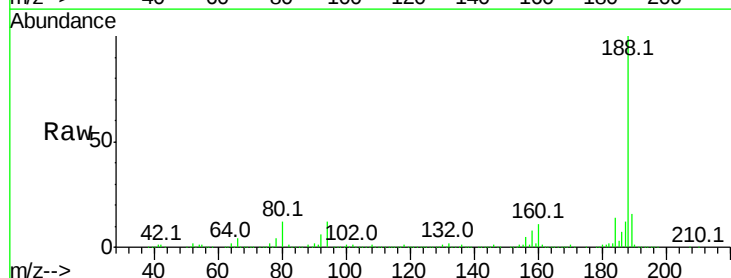
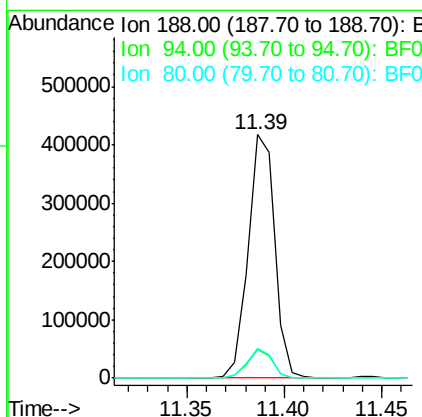
Manual Integrations
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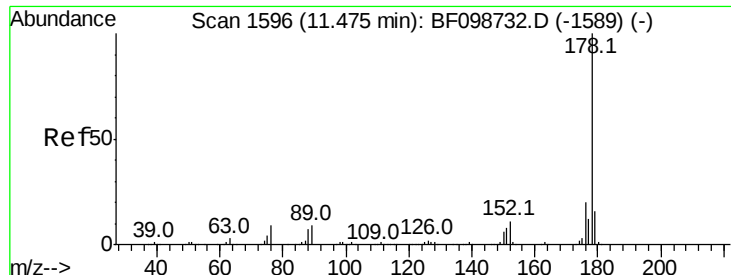
Sohil
10/9/2017 6:36:11 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	8.5	12.7
80	12.1	9.2	13.8





#70

Phenanthrene

Concen: 20.719 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF099251.D

Acq: 9 Oct 2017 00:41

Instrument :

BNA_F

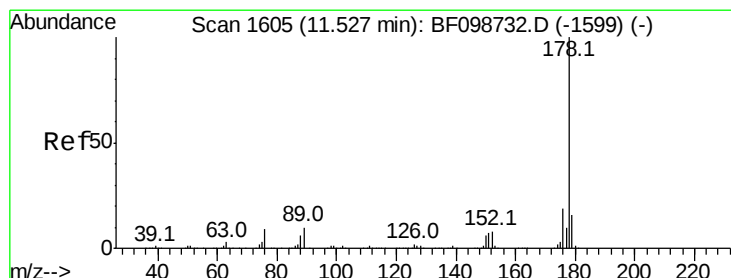
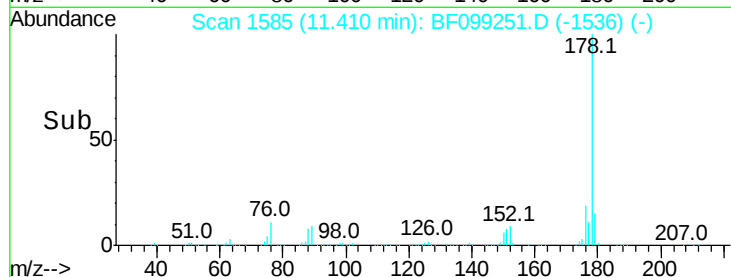
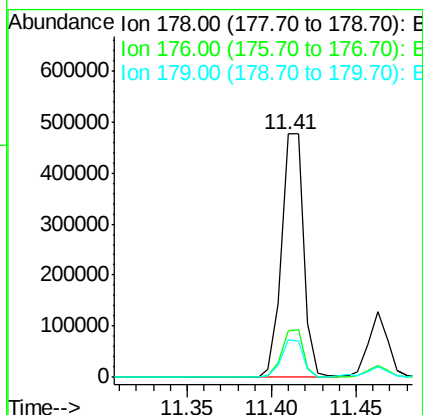
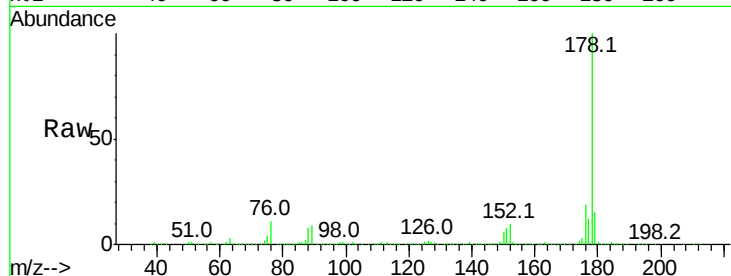
ClientSampleId :

G10-1.5-3DL

Tot Ion:178	Resp:	436412
Ion Ratio	Lower	Upper
178	100	
176	19.3	15.8 23.8
179	15.3	13.0 19.6

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#71

Anthracene

Concen: 4.567 ng

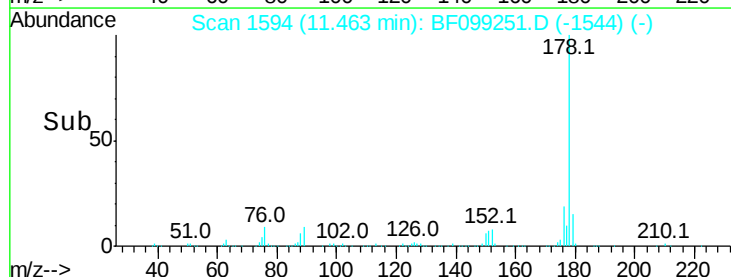
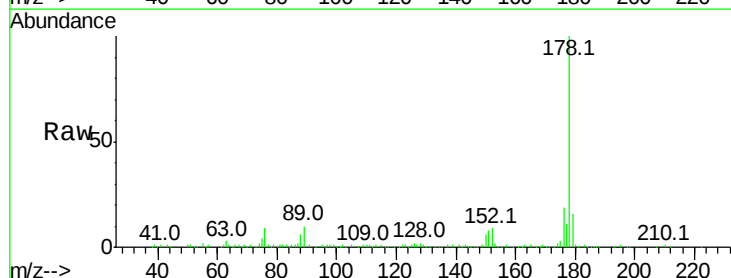
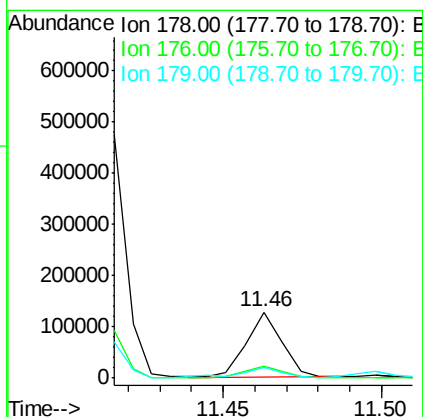
RT: 11.46 min Scan# 1594

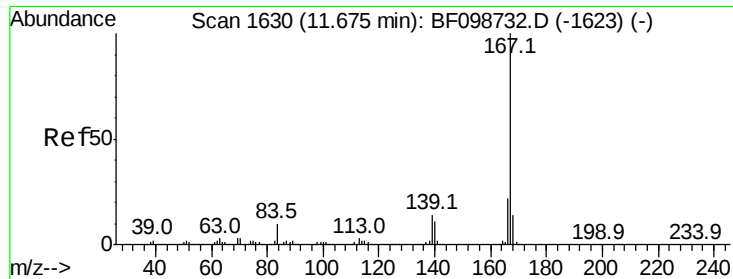
Delta R.T. -0.01 min

Lab File: BF099251.D

Acq: 9 Oct 2017 00:41

Tgt Ion:178	Resp:	98430
Ion Ratio	Lower	Upper
178	100	
176	18.8	15.4 23.2
179	15.6	12.6 19.0





#72

Carbazole

Concen: 3.153 ng

RT: 11.62 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BF099251.D

Acq: 9 Oct 2017 00:41

Instrument :

BNA_F

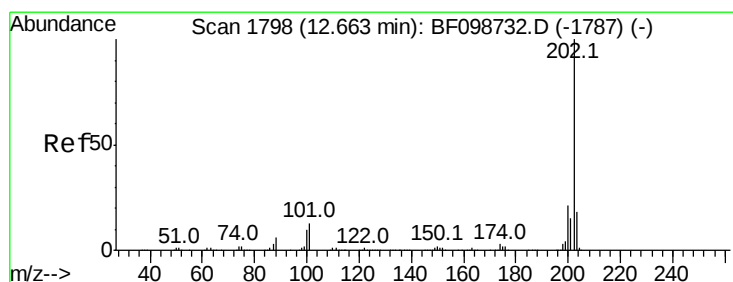
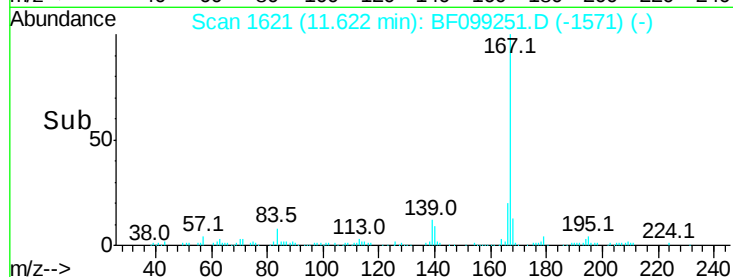
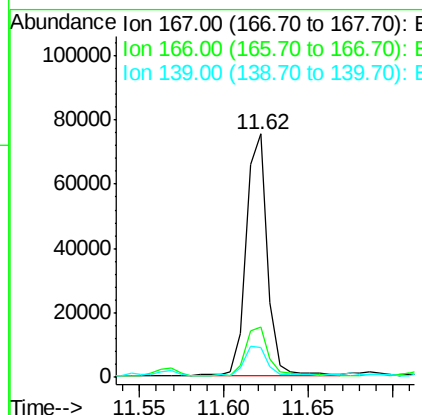
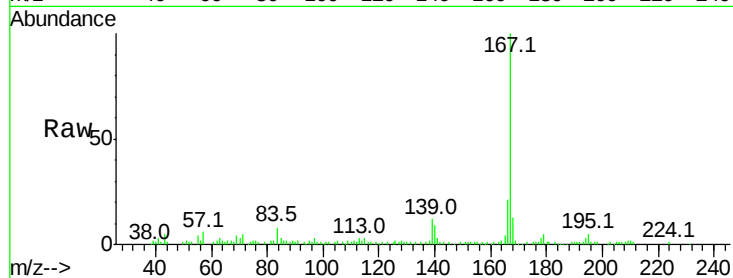
ClientSampleId :

G10-1.5-3DL

Tot Ion:	167	Resp:	66541
Ion Ratio	Lower	Upper	
167	100		
166	20.8	17.6	26.4
139	12.2	10.9	16.3

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#74

Fluoranthene

Concen: 40.397 ng

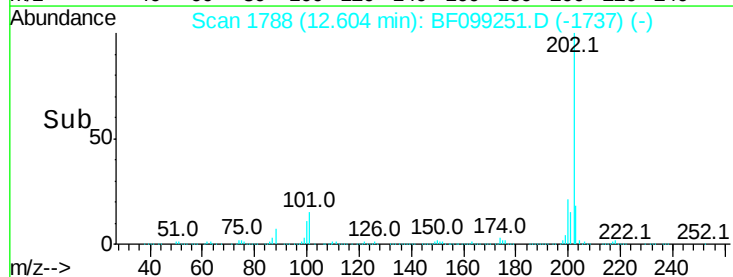
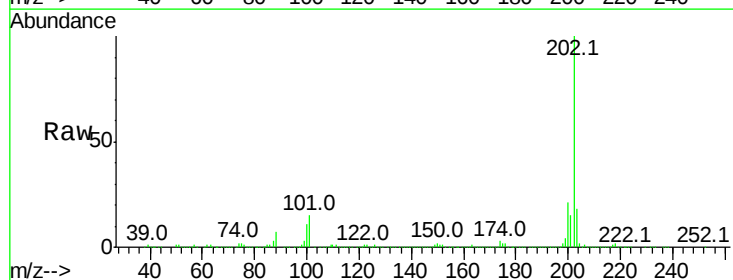
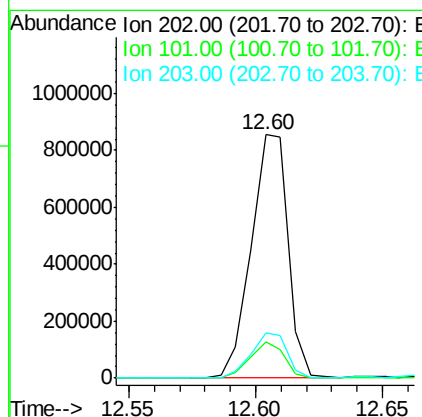
RT: 12.60 min Scan# 1788

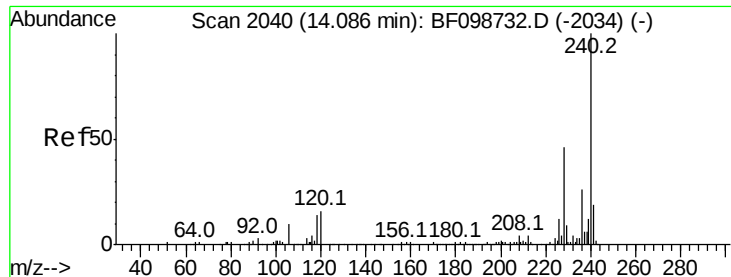
Delta R.T. 0.00 min

Lab File: BF099251.D

Acq: 9 Oct 2017 00:41

Tgt Ion:	202	Resp:	861653
Ion Ratio	Lower	Upper	
202	100		
101	14.7	0.0	34.1
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BF099251.D

Acq: 9 Oct 2017 00:41

Instrument :

BNA_F

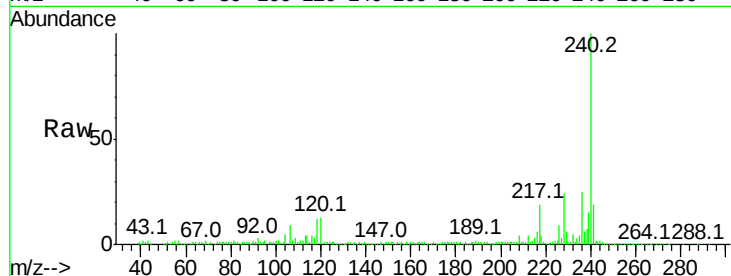
ClientSampleId :

G10-1.5-3DL

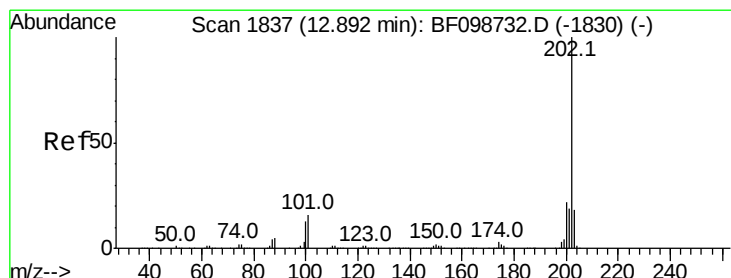
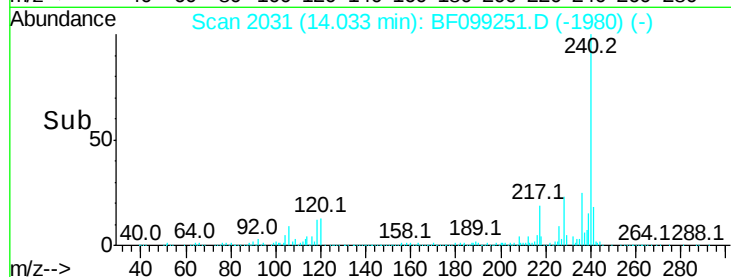
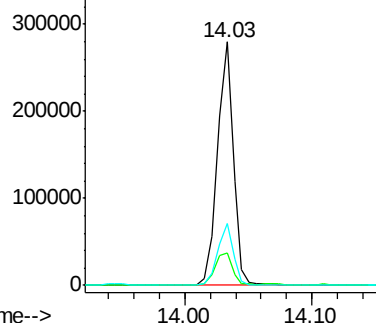
Tot Ion:	240	Resp:	241100
Ion Ratio	Lower	Upper	
240	100		
120	13.4	9.5	14.3
236	25.3	20.7	31.1

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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

Pyrene

Concen: 39.646 ng

RT: 12.83 min Scan# 1827

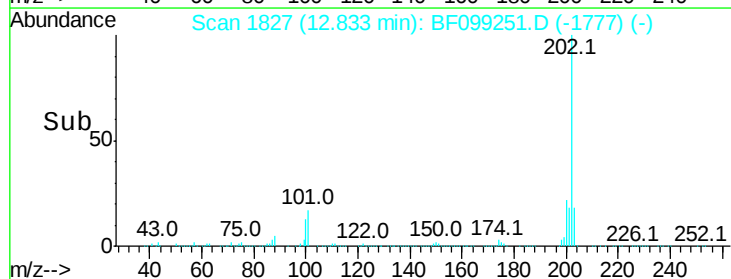
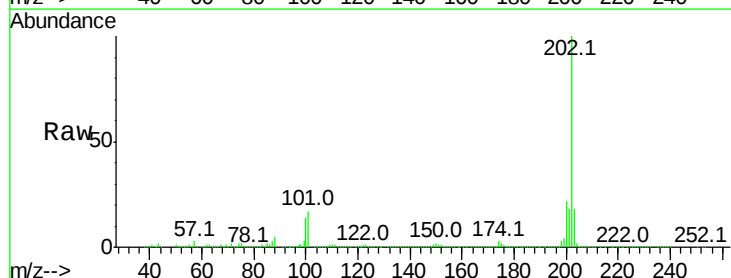
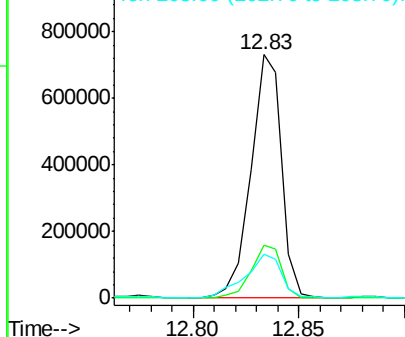
Delta R.T. -0.01 min

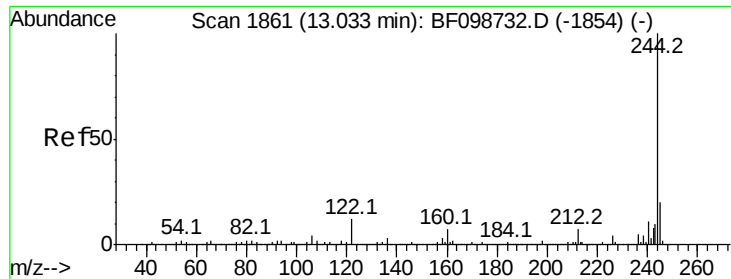
Lab File: BF099251.D

Acq: 9 Oct 2017 00:41

Tgt Ion:	202	Resp:	728881
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	18.0	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





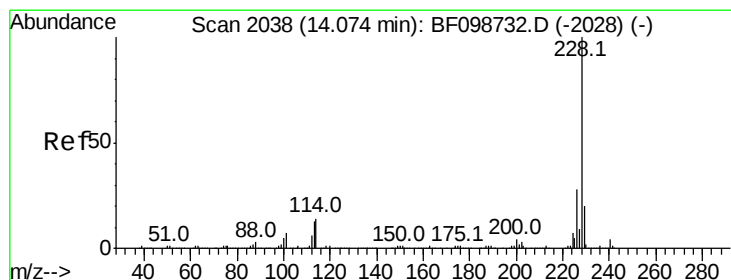
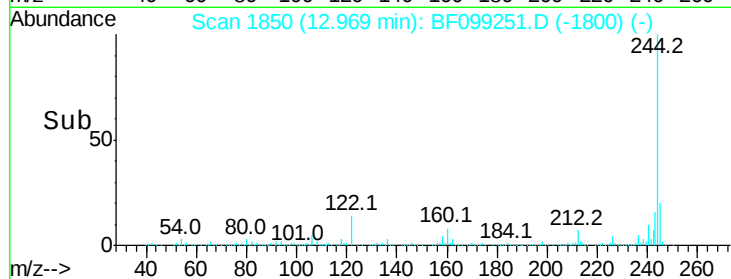
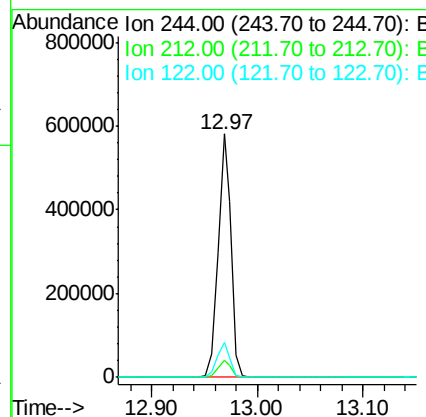
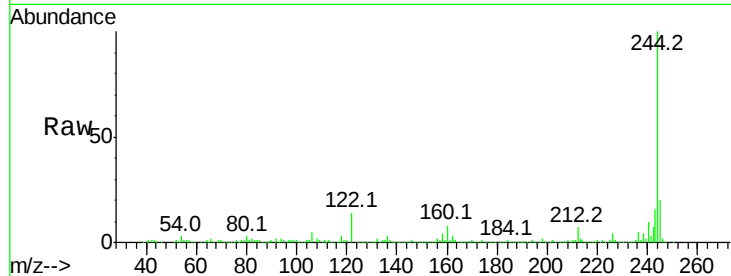
#78
 Terphenyl-d14
 Concen: 47.501 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF099251.D
 Acq: 9 Oct 2017 00:41

Instrument :
 BNA_F
 ClientSampleId :
 G10-1.5-3DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	14.4	11.0	16.4

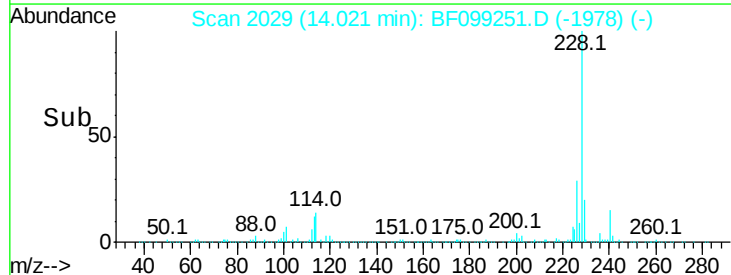
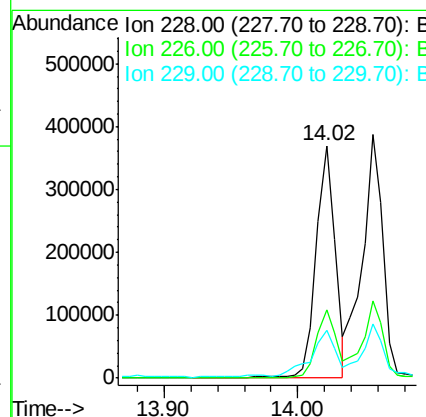
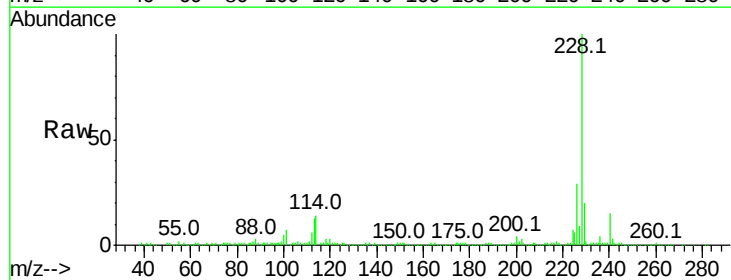
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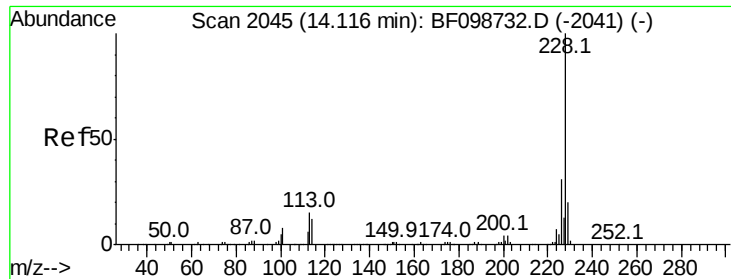
Sohil
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#80
 Benzo(a)anthracene
 Concen: 24.509 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BF099251.D
 Acq: 9 Oct 2017 00:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	20.4	15.8	23.6





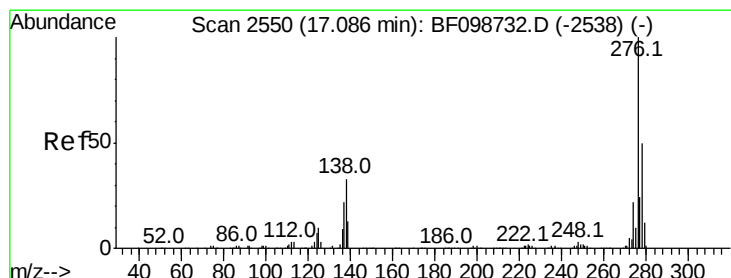
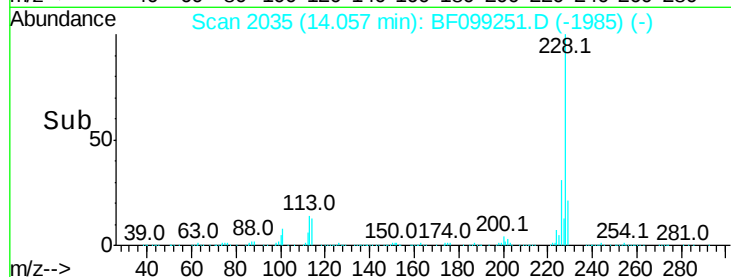
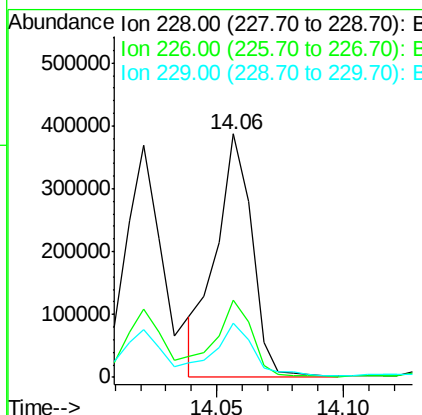
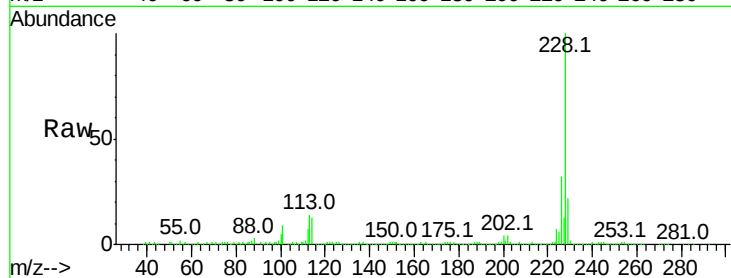
#82
Chrysene
Concen: 27.371 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Instrument :
BNA_F
ClientSampled :
G10-1.5-3DL

Tot Ion:228	Resp:	380427
Ion Ratio	Lower	Upper
228 100		
226 31.6	25.0	37.6
229 22.2	16.2	24.4

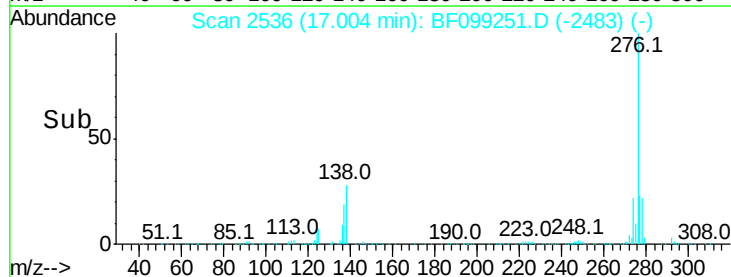
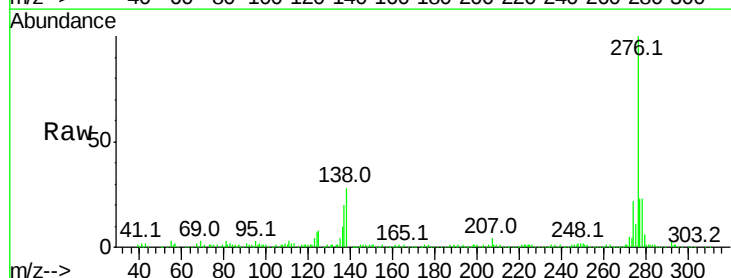
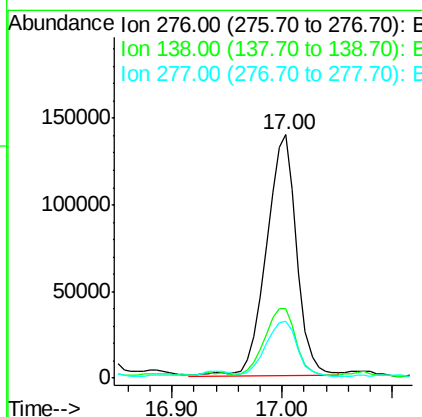
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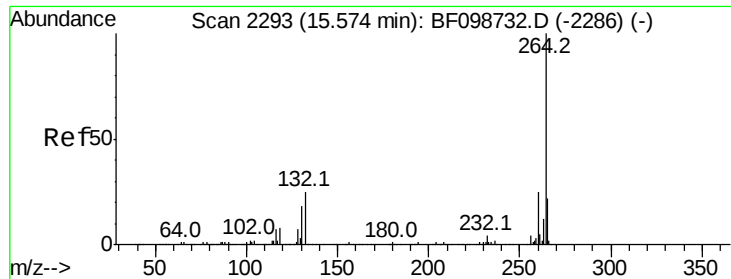
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 24.050 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.01 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Tgt Ion:276	Resp:	267401
Ion Ratio	Lower	Upper
276 100		
138 28.9	25.0	37.6
277 23.9	20.1	30.1





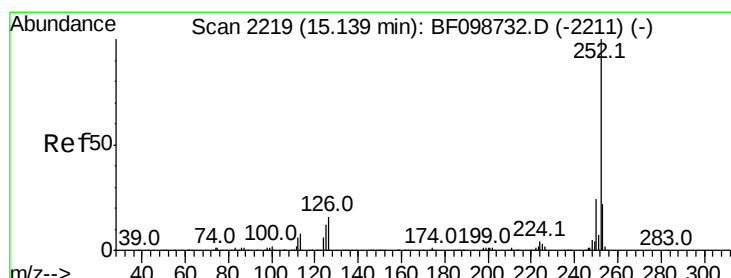
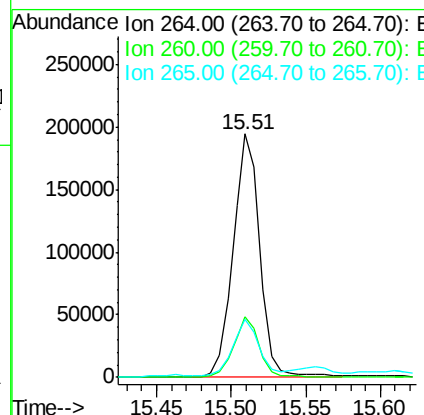
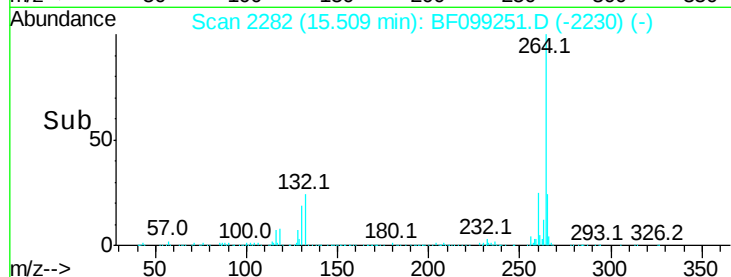
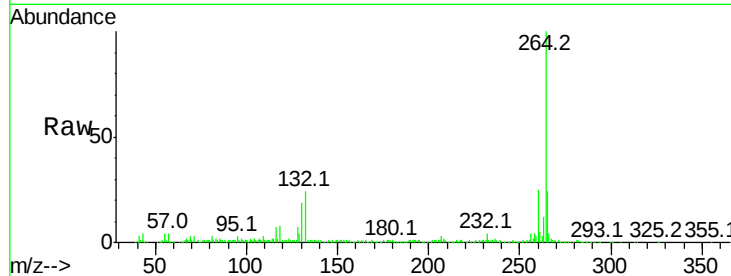
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Instrument :
BNA_F
ClientSampleId :
G10-1.5-3DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	24.1	17.5	26.3

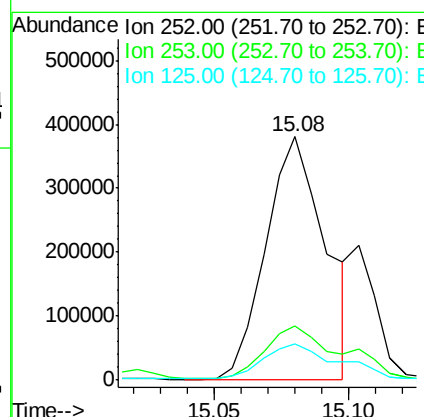
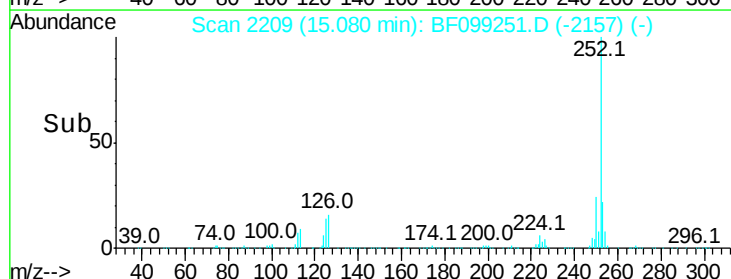
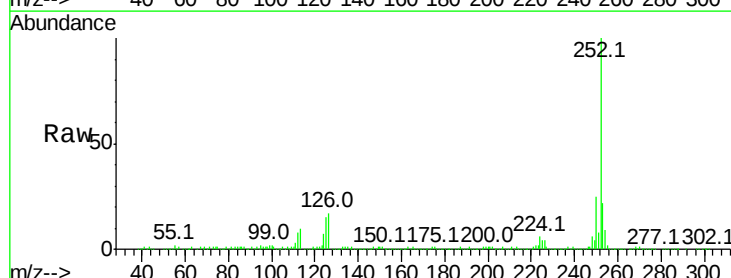
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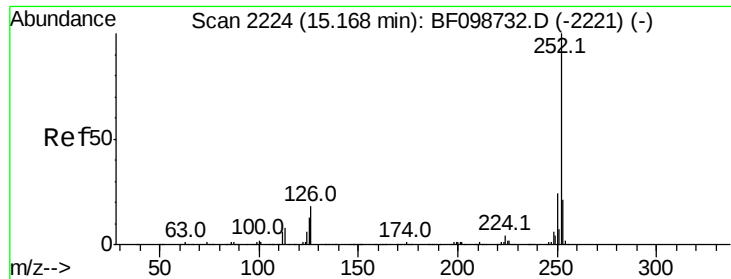
Sohil
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#87
Benzo(b)fluoranthene
Concen: 40.022 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	14.8	9.0	13.6





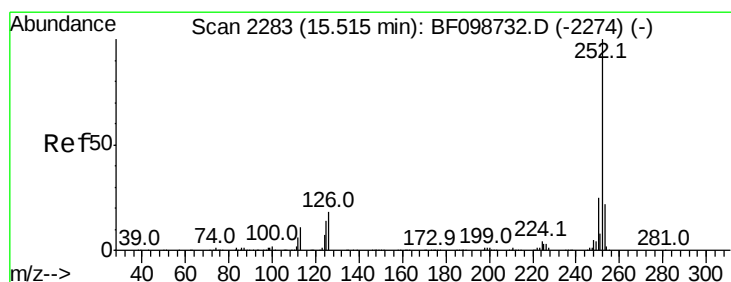
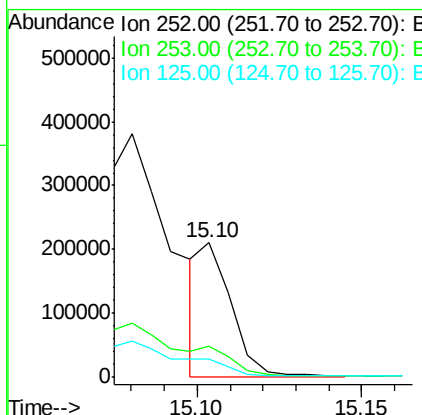
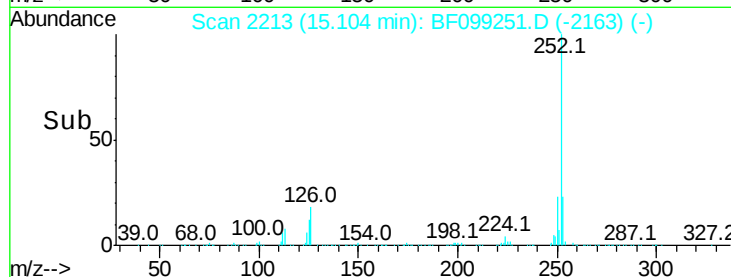
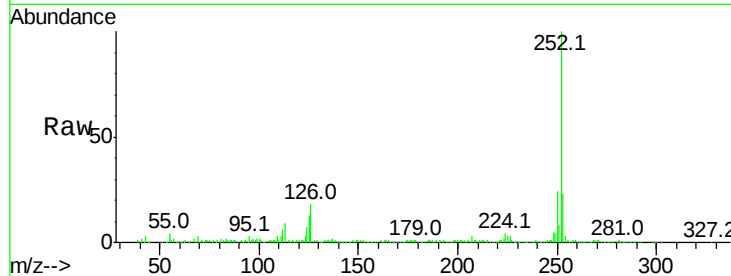
#88
Benzo(k)fluoranthene
Concen: 9.790 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Instrument :
BNA_F
ClientSampleId :
G10-1.5-3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	13.2	10.2	15.2

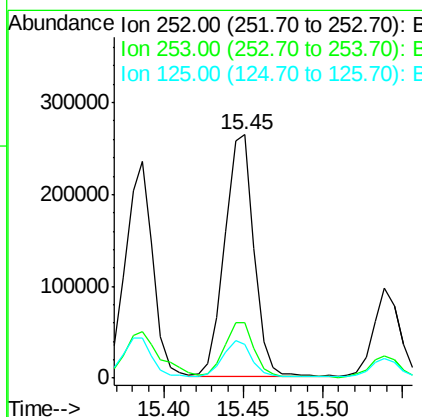
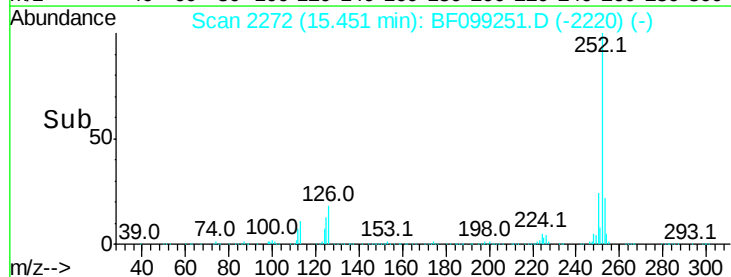
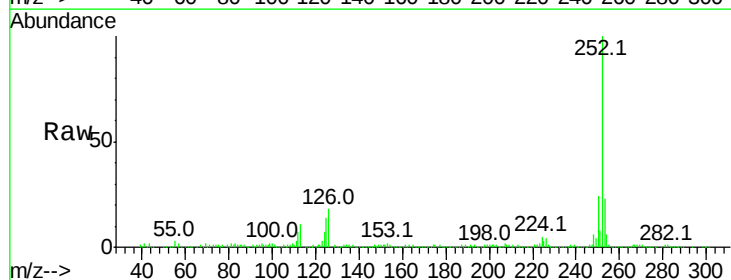
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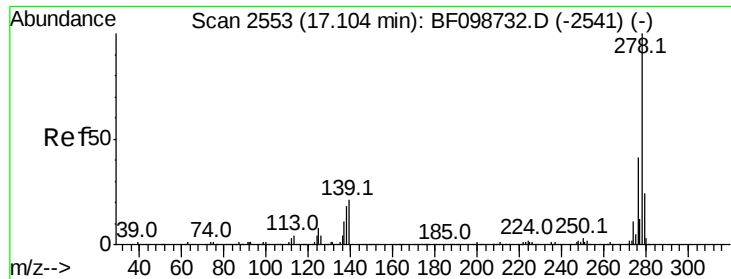
Sohil
10/9/2017 6:36:11 PM



#89
Benzo(a)pyrene
Concen: 24.906 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	13.9	9.8	14.6





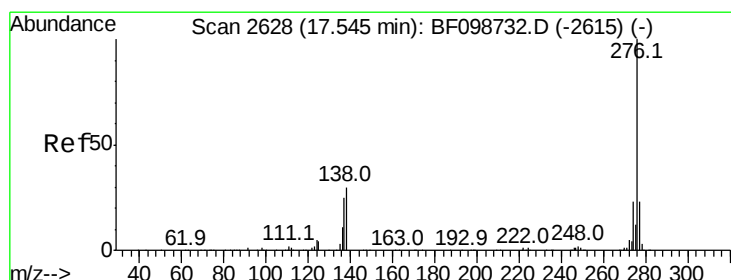
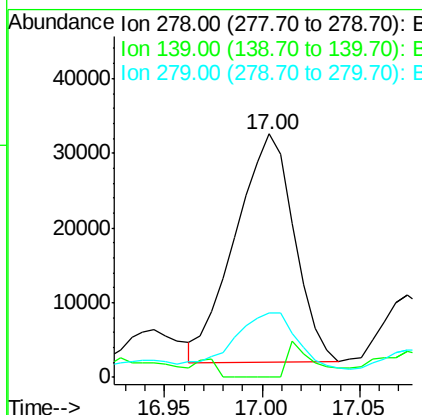
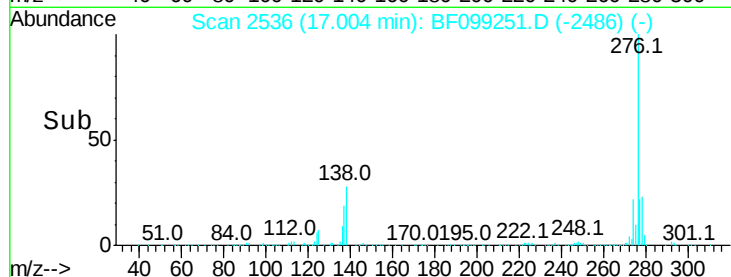
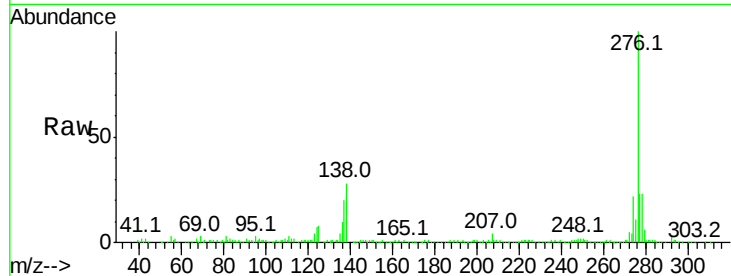
#90
Dibenzo(a,h)anthracene
Concen: 5.901 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Instrument :
BNA_F
ClientSampleId :
G10-1.5-3DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	26.3	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 23.965 ng
RT: 17.46 min Scan# 2613
Delta R.T. 0.01 min
Lab File: BF099251.D
Acq: 9 Oct 2017 00:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.9	26.9
138	30.4	21.8	32.8

