

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097822.D
 Acq On : 18 Aug 2017 8:49
 Operator : SJ/JU
 Sample : I4797-03 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-J9-NSW

Manual Integrations
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Sohil
 8/18/2017 7:03:36 PM

Quant Time: Aug 18 14:02:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	128308	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	441823	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	156255	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	268554	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	274908	20.00	ng	0.00
86) Perylene-d12	15.36	264	191099	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	483574	57.33	ng	-0.01
7) Phenol-d6	6.40	99	635201	55.42	ng	-0.01
23) Nitrobenzene-d5	7.33	82	359006	44.14	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	68274	50.36	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	457746	43.04	ng	-0.01
78) Terphenyl-d14	12.88	244	346692	26.30	ng	-0.01
Target Compounds						
12) 1,3-Dichlorobenzene	6.72	146	26796	2.800	ng	# 94
13) 1,4-Dichlorobenzene	6.79	146	46120m	4.739	ng	
14) 1,2-Dichlorobenzene	6.95	146	20855	2.324	ng	98
49) Dimethylphthalate	9.53	163	62333	5.457	ng	99
51) Acenaphthene	9.85	154	29196	2.800	ng	97
57) Fluorene	10.36	166	33130	3.066	ng	96
70) Phenanthrene	11.32	178	377900	26.407	ng	98
71) Anthracene	11.37	178	91466	6.302	ng	99
72) Carbazole	11.52	167	32347	2.348	ng	98
74) Fluoranthene	12.51	202	570672	38.206	ng	99
77) Pyrene	12.73	202	547040	24.330	ng	98
80) Benzo(a)anthracene	13.92	228	251305	15.252	ng	98
82) Chrysene	13.96	228	213361	13.018	ng	97
85) Indeno(1,2,3-cd)pyrene	16.76	276	69922	5.799	ng	# 87
87) Benzo(b)fluoranthene	14.95	252	209967m	17.431	ng	
88) Benzo(k)fluoranthene	14.97	252	69349m	6.128	ng	
89) Benzo(a)pyrene	15.30	252	149423	14.012	ng	100
91) Benzo(g,h,i)perylene	17.17	276	66069	7.294	ng	95

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

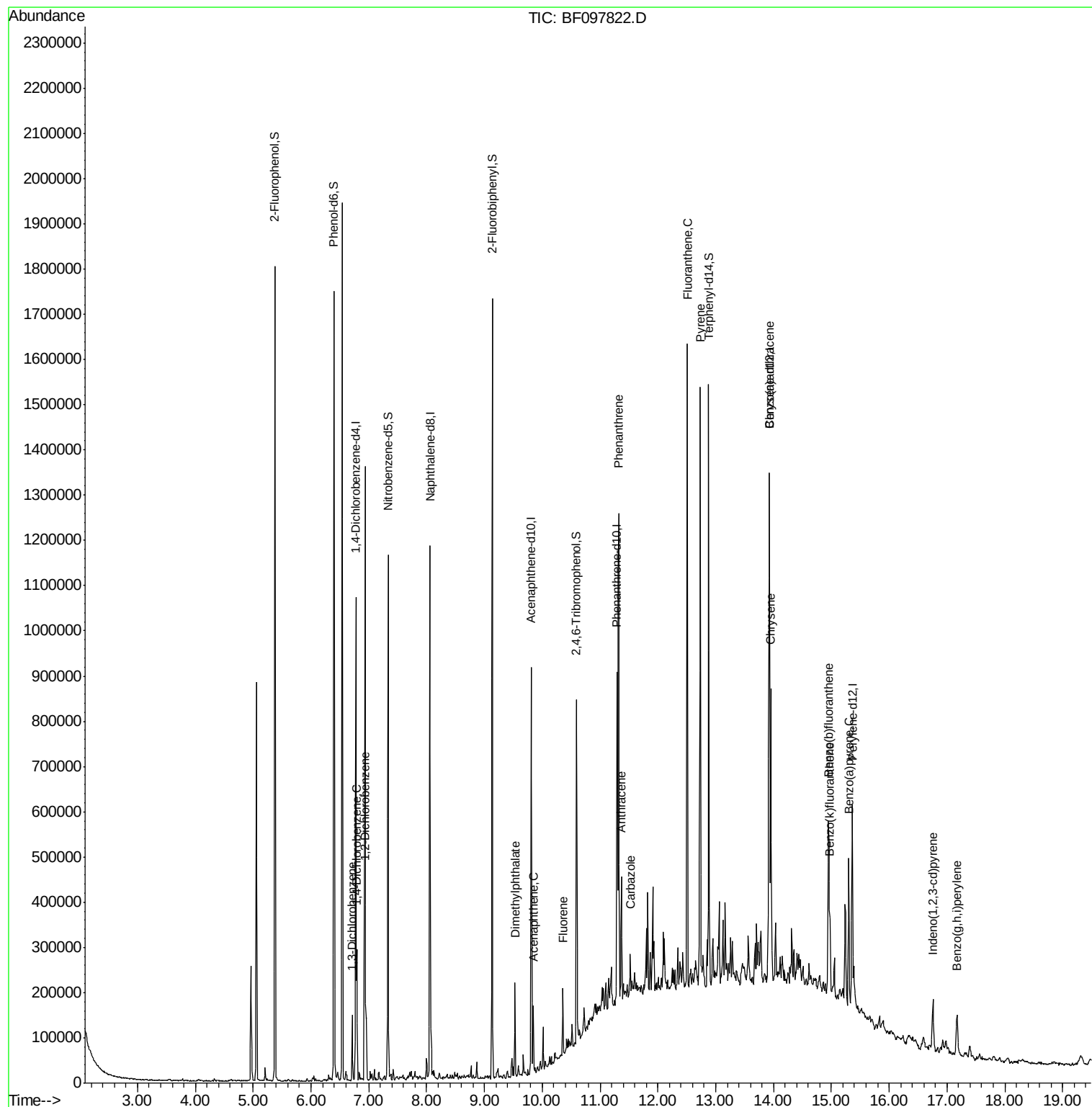
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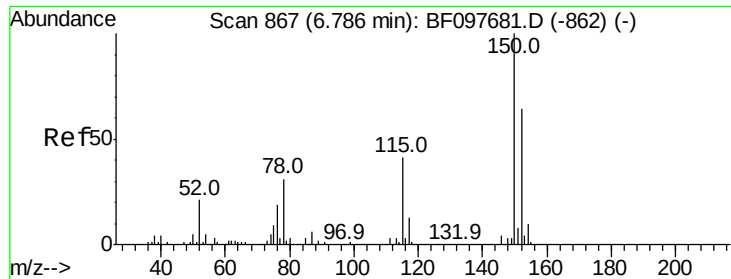
Instrument :
BNA_F
ClientSampled :
E2-J9-NSW

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#1

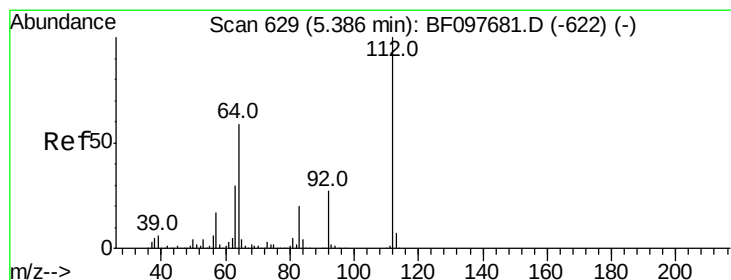
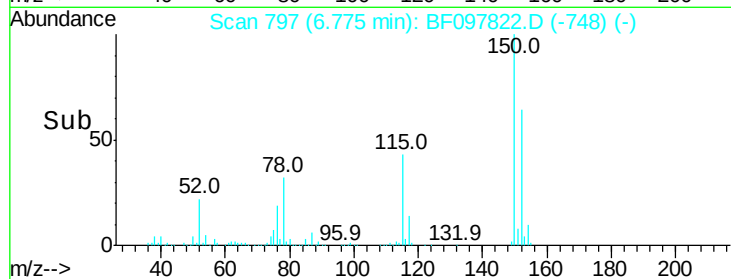
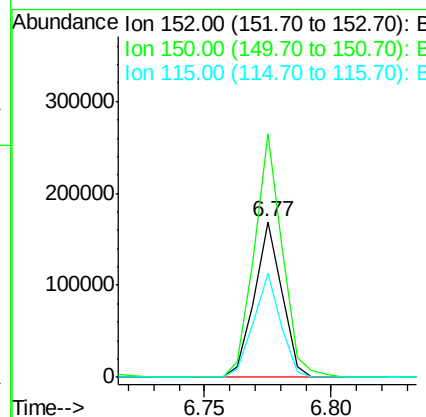
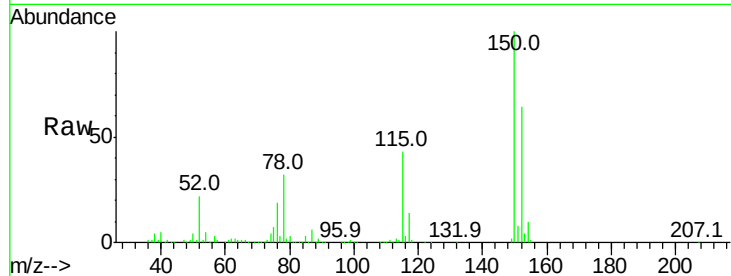
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097822.D
Acq: 18 Aug 2017 8:49

Instrument :
BNA_F
ClientSampleId :
E2-J9-NSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.2	189.2
115	67.1	52.2	78.2

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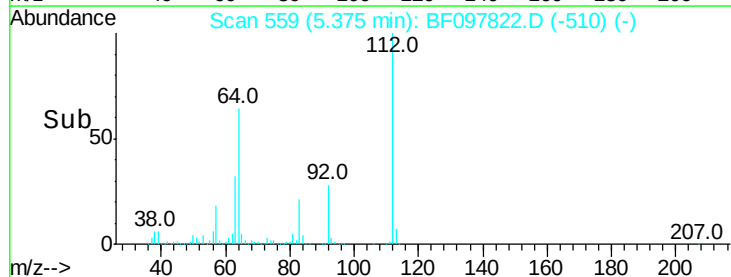
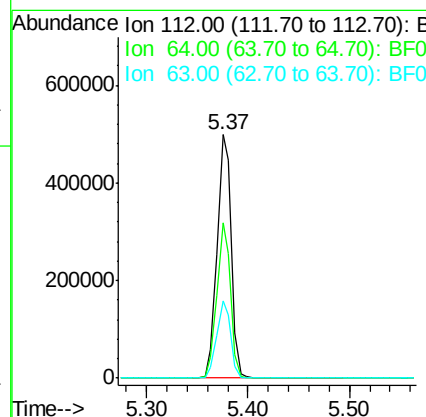
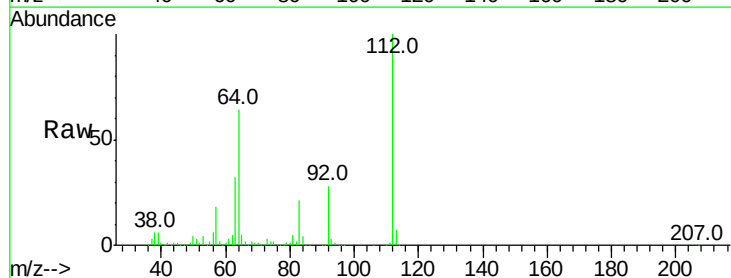
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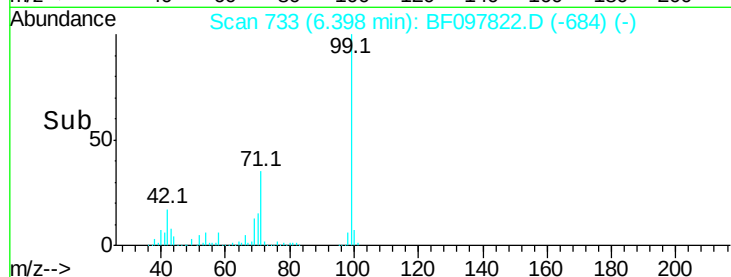
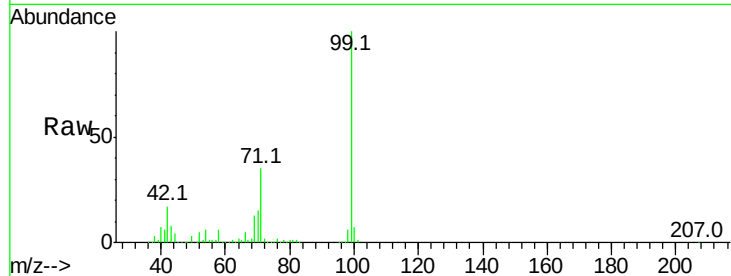
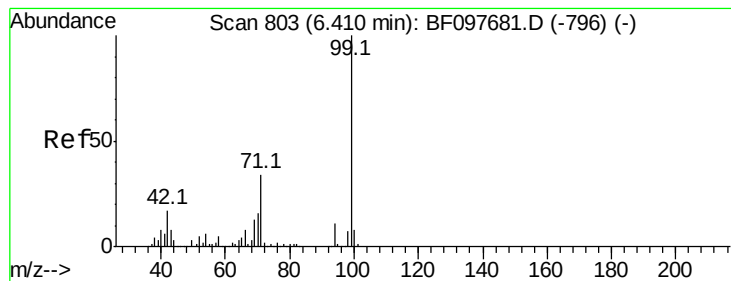


#5

2-Fluorophenol
Concen: 57.327 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097822.D
Acq: 18 Aug 2017 8:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	46.0	69.0
63	31.9	23.4	35.0





#7

Phenol-d6

Concen: 55.422 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097822.D

Acq: 18 Aug 2017 8:49

Tot Ion	99	Resp	635201
Ion Ratio	Lower	Upper	
99	100		
42	17.2	13.5	20.3
71	35.1	24.5	36.7

Instrument :

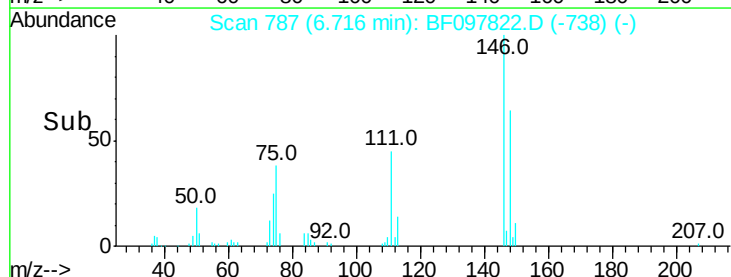
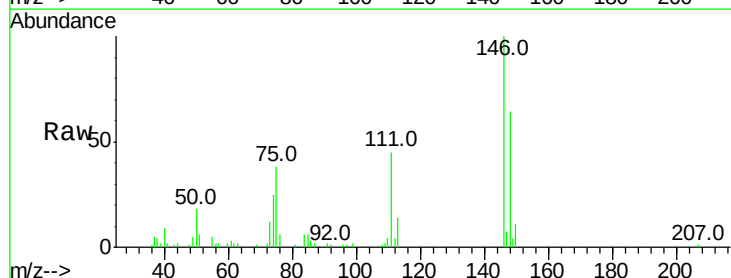
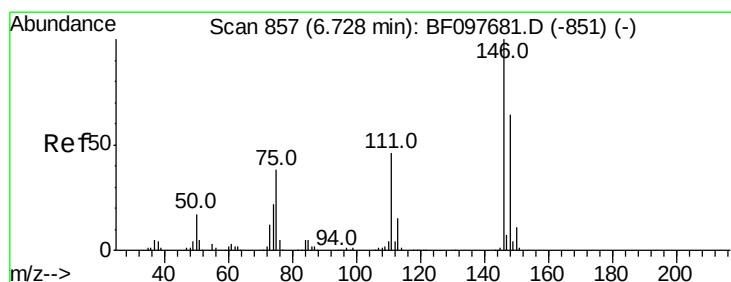
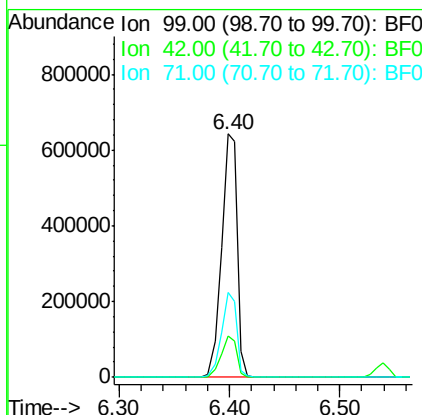
BNA_F

ClientSampleId :

E2-J9-NSW

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#12

1,3-Dichlorobenzene

Concen: 2.800 ng

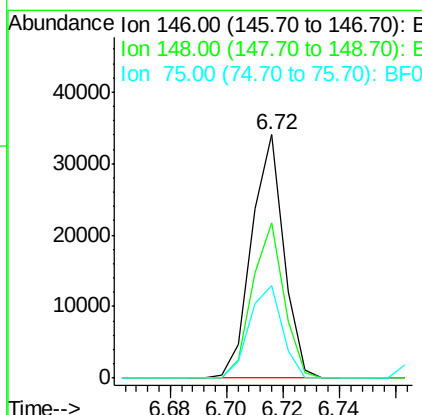
RT: 6.72 min Scan# 787

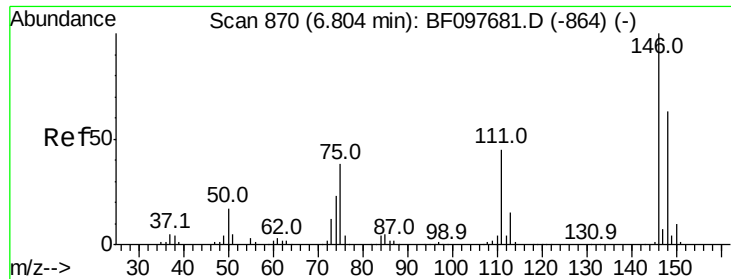
Delta R.T. -0.01 min

Lab File: BF097822.D

Acq: 18 Aug 2017 8:49

Tgt Ion	146	Resp	26796
Ion Ratio	Lower	Upper	
146	100		
148	63.9	51.8	77.6
75	37.8	23.1	34.7#





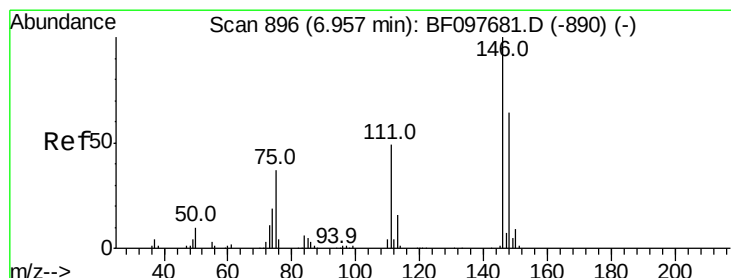
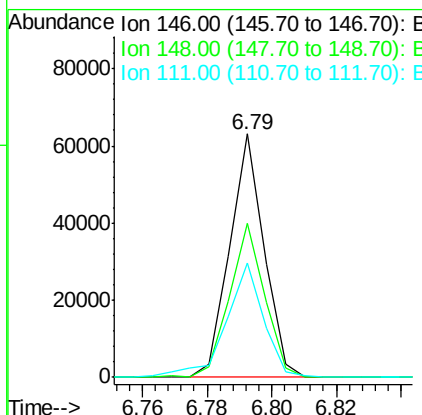
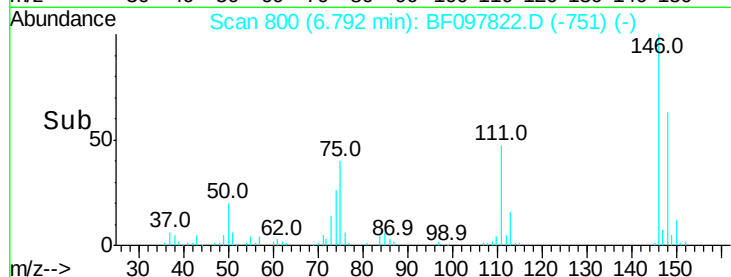
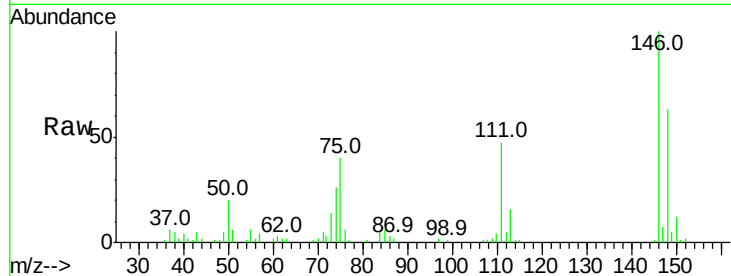
#13
 1,4-Dichlorobenzene
 Concen: 4.739 ng/mL
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF097822.D
 Acq: 18 Aug 2017 8:49

Instrument :
 BNA_F
 ClientSampled :
 E2-J9-NSW

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.5	52.2	78.2
111	47.2	30.3	45.5

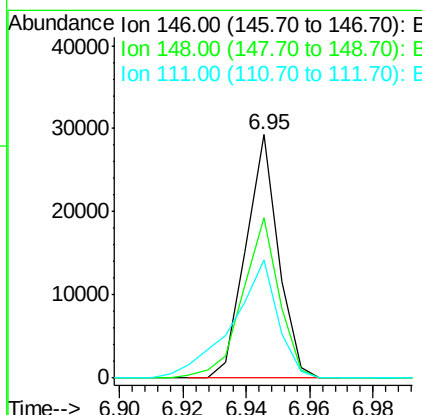
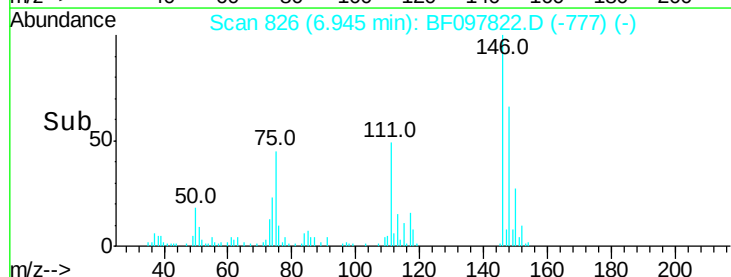
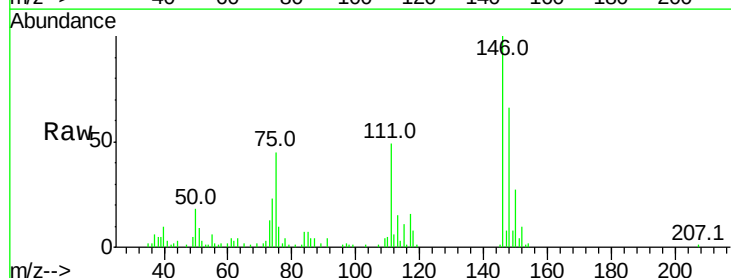
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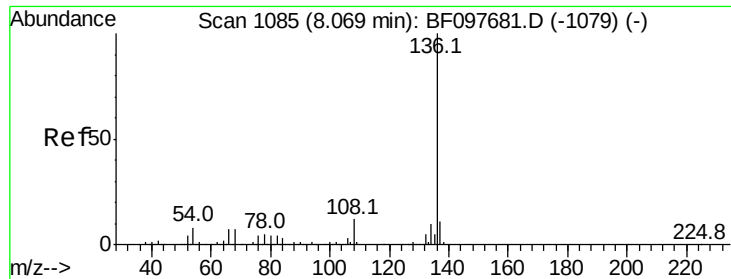
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#14
 1,2-Dichlorobenzene
 Concen: 2.324 ng/mL
 RT: 6.95 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: BF097822.D
 Acq: 18 Aug 2017 8:49

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.6	50.4	75.6
111	48.6	38.2	57.4





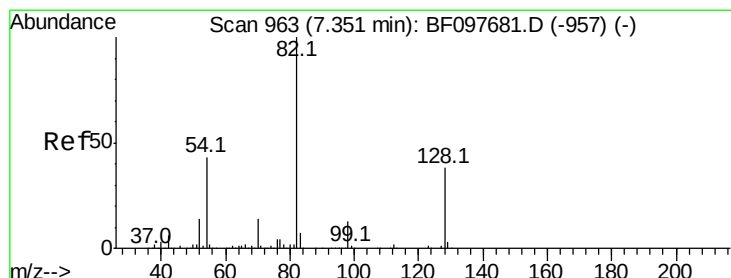
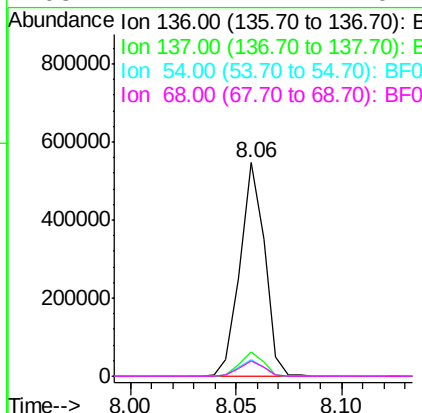
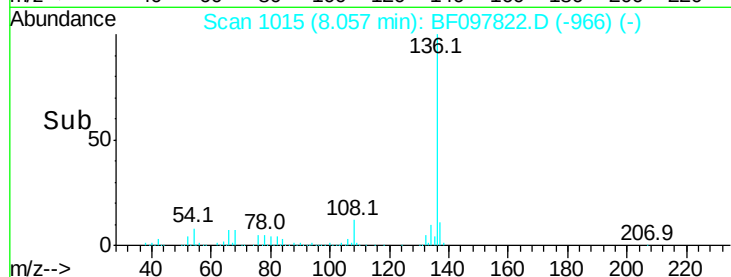
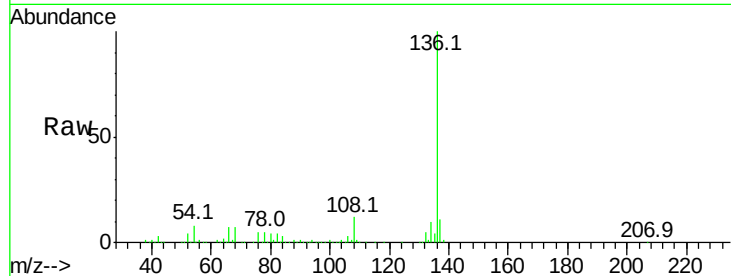
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF097822.D
Acq: 18 Aug 2017 8:49

Instrument :
BNA_F
ClientSampled :
E2-J9-NSW

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.5	12.7	
54	8.0	4.9	7.3#	
68	7.2	4.1	6.1#	

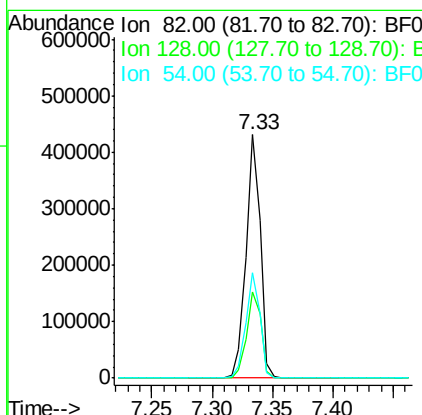
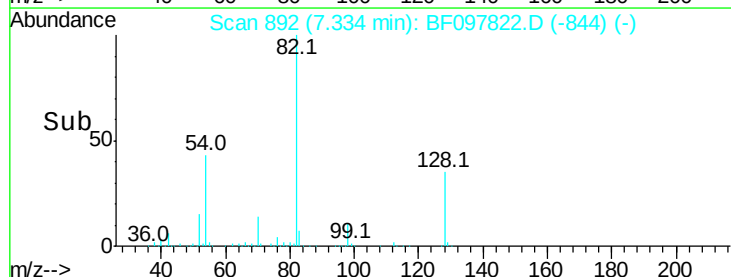
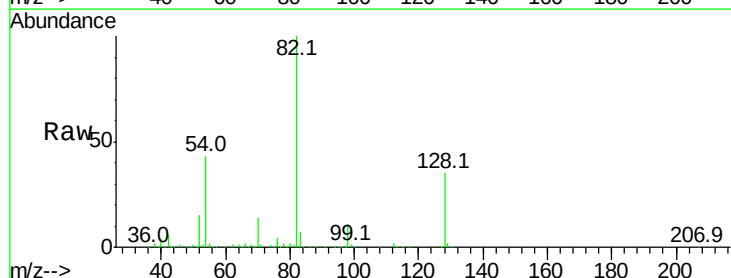
Manual Integrations
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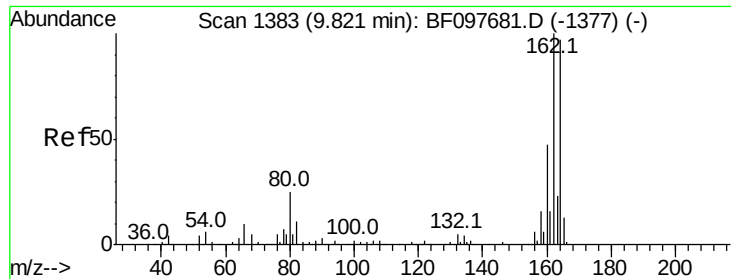
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#23
Nitrobenzene-d5
Concen: 44.142 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF097822.D
Acq: 18 Aug 2017 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.4	34.0	51.0	
54	43.4	42.2	63.2	





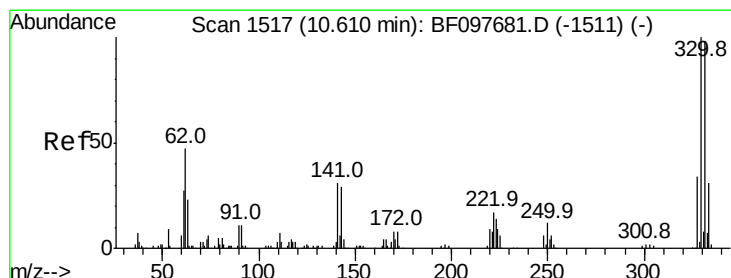
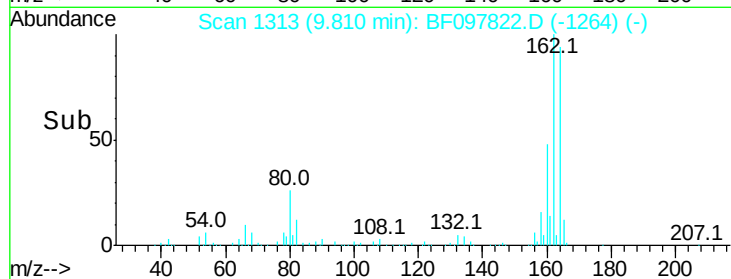
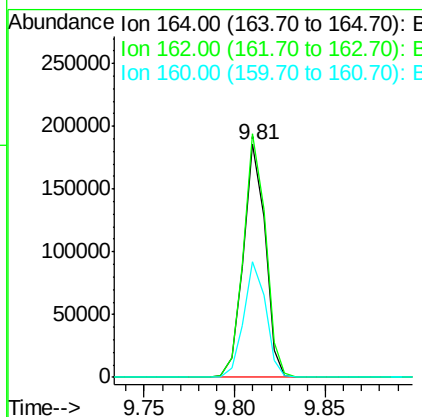
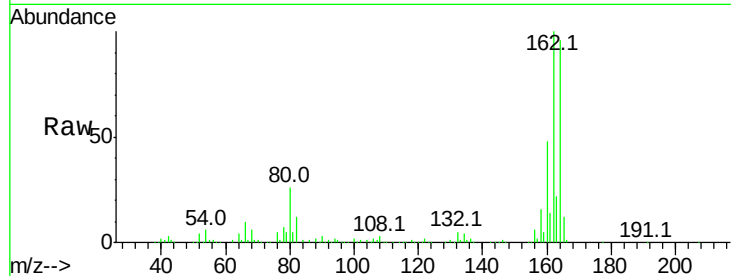
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF097822.D
 Acq: 18 Aug 2017 8:49

Instrument :
 BNA_F
 ClientSampled :
 E2-J9-NSW

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.4	82.6	123.8	
160	49.7	36.2	54.2	

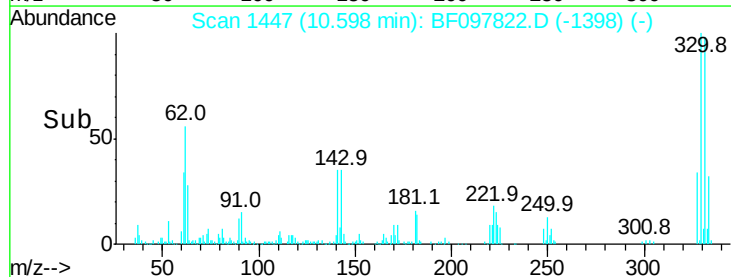
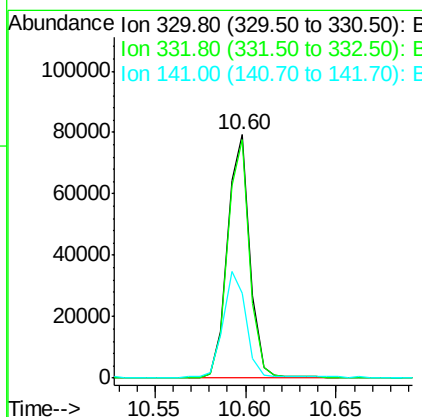
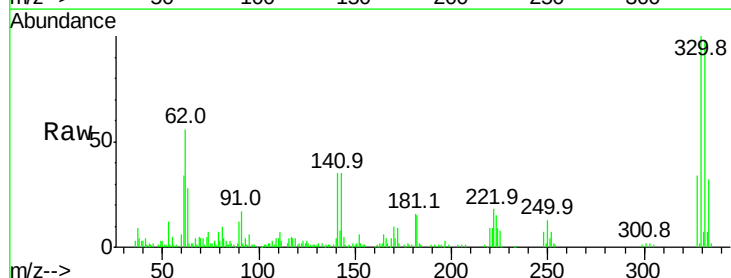
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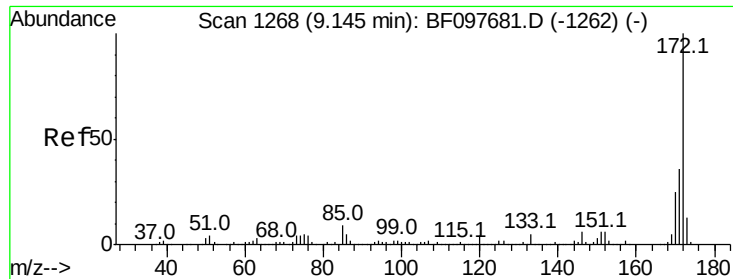
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#41
 2,4,6-Tribromophenol
 Concen: 50.358 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097822.D
 Acq: 18 Aug 2017 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	76.6	115.0	
141	46.7	31.4	47.2	





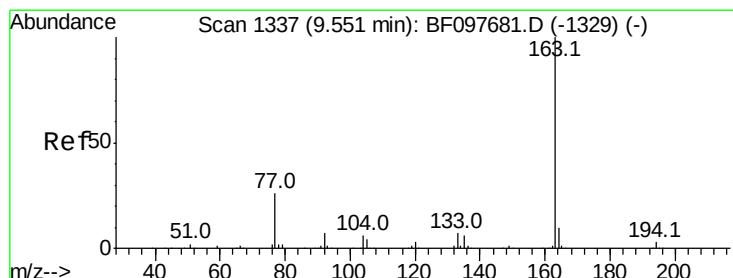
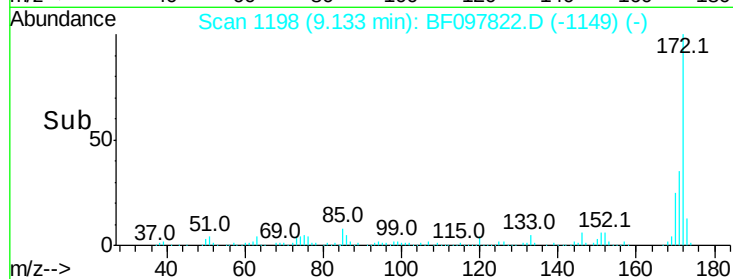
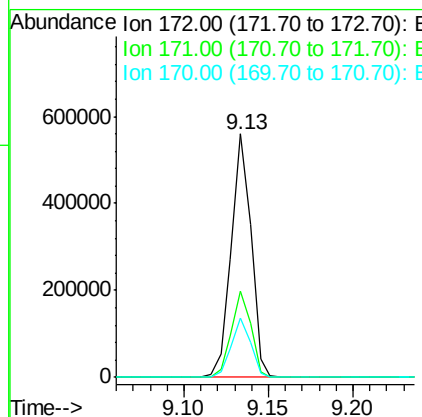
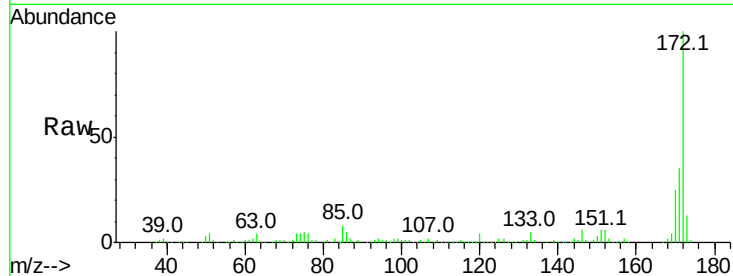
#44
2-Fluorobiphenyl
Concen: 43.040 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.01 min
Lab File: BF097822.D
Acq: 18 Aug 2017 8:49

Instrument :
BNA_F
ClientSampleId :
E2-J9-NSW

Tot Ion	Ratio	Resp	Lower	Upper
172	100	457746		
171	35.4		29.6	44.4
170	24.6		19.8	29.8

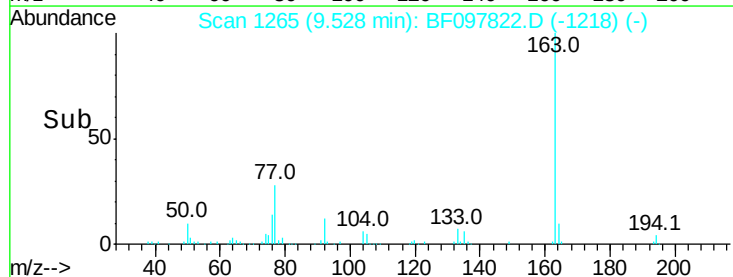
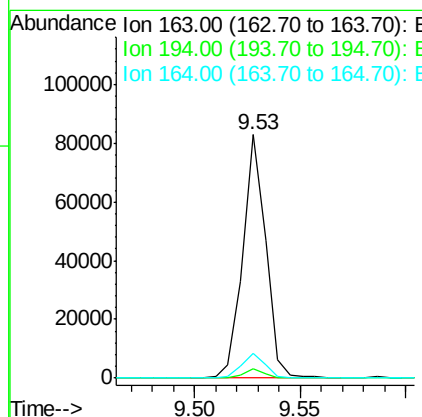
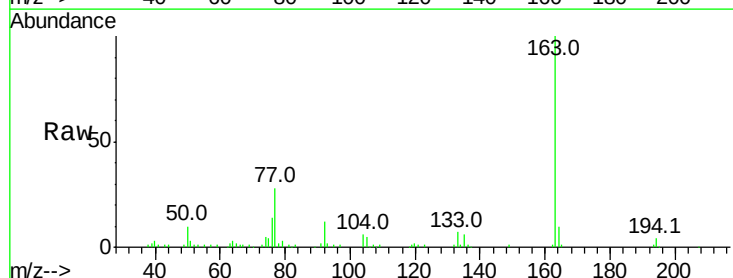
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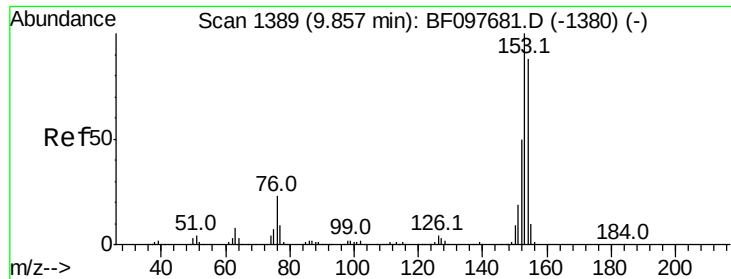
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#49
Dimethylphthalate
Concen: 5.457 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF097822.D
Acq: 18 Aug 2017 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	62333		
194	3.8		2.6	4.0
164	10.1		8.4	12.6





#51

Acenaphthene

Concen: 2.800 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF097822.D

Acq: 18 Aug 2017 8:49

Instrument :

BNA_F

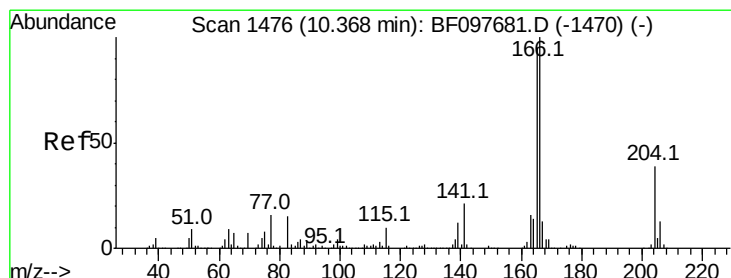
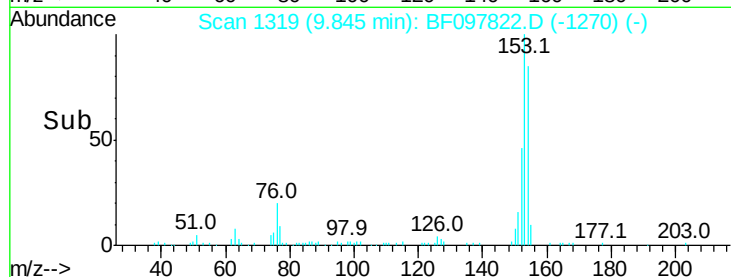
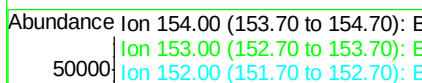
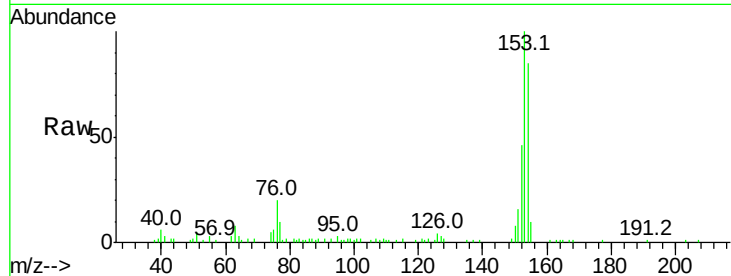
ClientSampled :

E2-J9-NSW

Tot Ion:	154	Resp:	29196
Ion Ratio	Lower	Upper	
154	100		
153	117.1	90.5	135.7
152	54.3	43.6	65.4

Manual Integrations
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#57

Fluorene

Concen: 3.066 ng

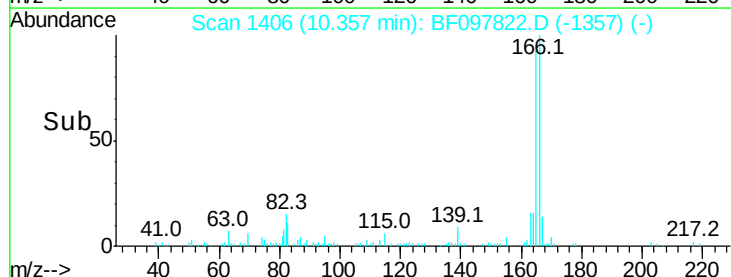
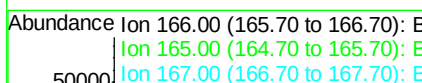
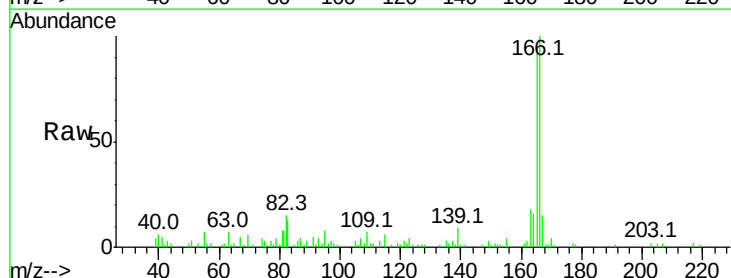
RT: 10.36 min Scan# 1406

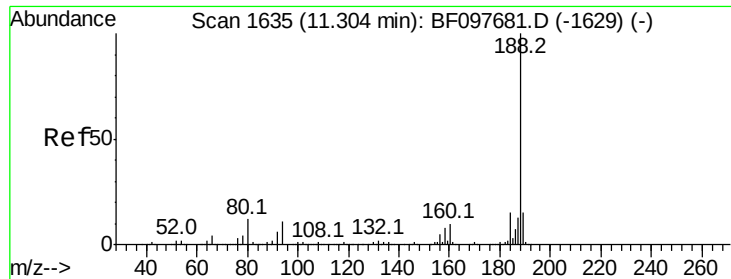
Delta R.T. -0.01 min

Lab File: BF097822.D

Acq: 18 Aug 2017 8:49

Tgt Ion:	166	Resp:	33130
Ion Ratio	Lower	Upper	
166	100		
165	94.0	78.8	118.2
167	14.6	10.6	16.0





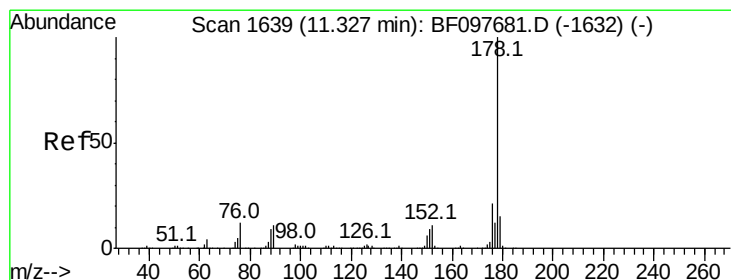
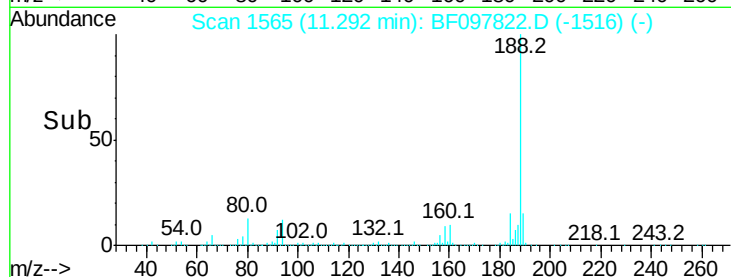
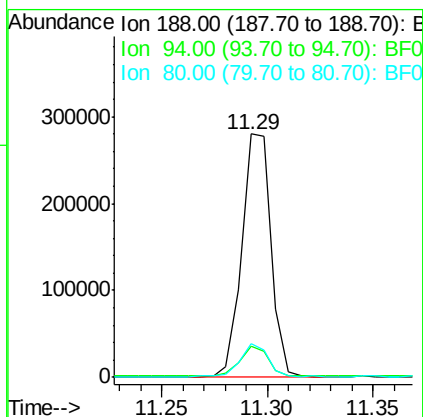
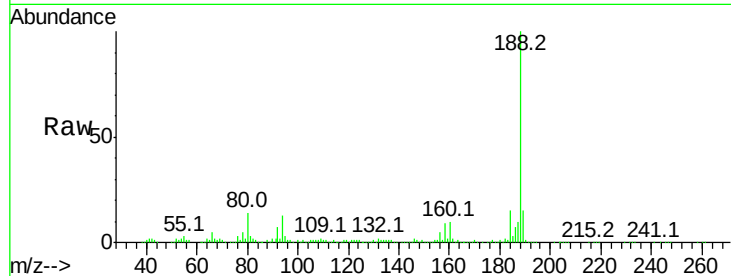
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF097822.D
Acq: 18 Aug 2017 8:49

Instrument :
BNA_F
ClientSampled :
E2-J9-NSW

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.9	9.4	14.2
80	13.6	10.2	15.2

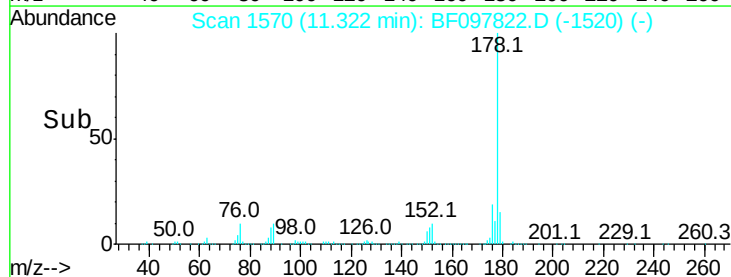
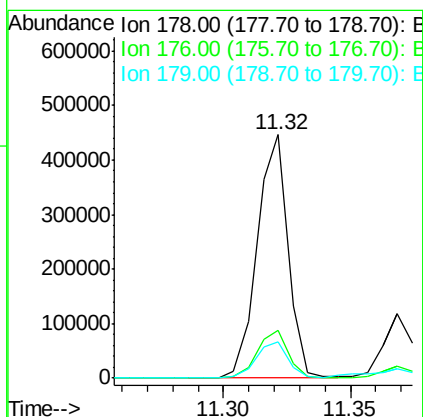
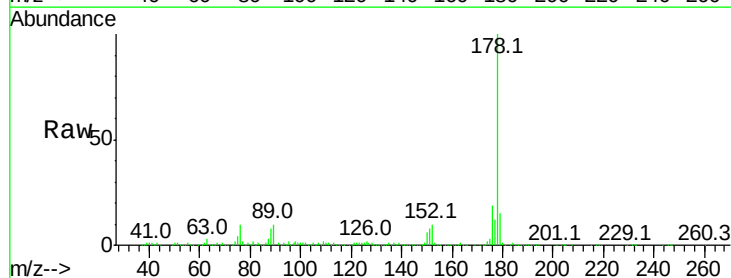
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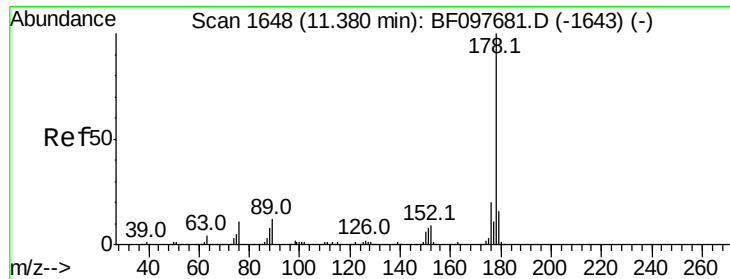
Sohil
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#70
Phenanthrene
Concen: 26.407 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097822.D
Acq: 18 Aug 2017 8:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	16.2	24.4
179	15.1	12.6	19.0





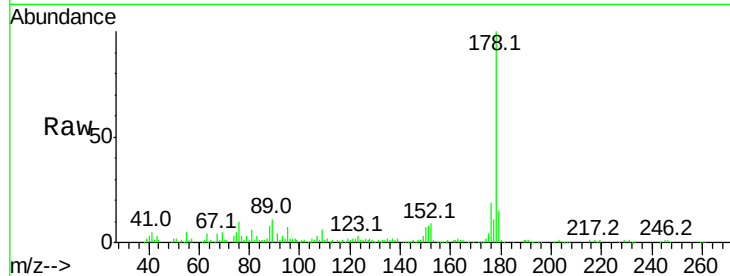
#71
 Anthracene
 Concen: 6.302 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF097822.D
 Acq: 18 Aug 2017 8:49

Instrument :
 BNA_F
 ClientSampled :
 E2-J9-NSW

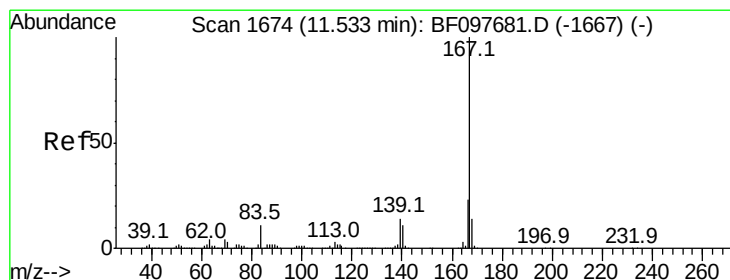
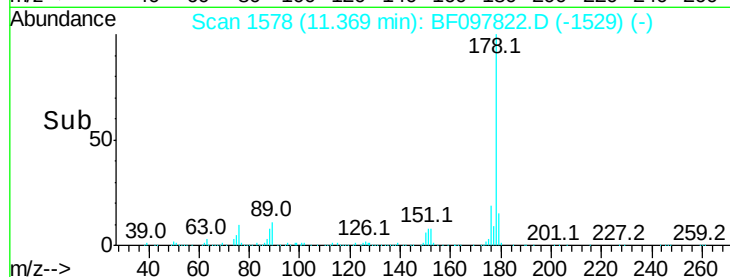
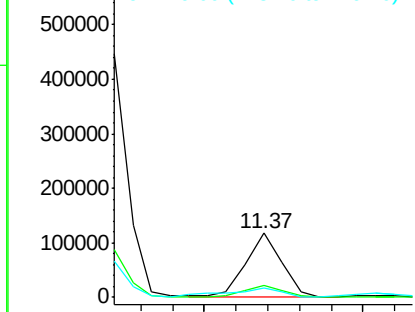
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.2	12.7	19.1

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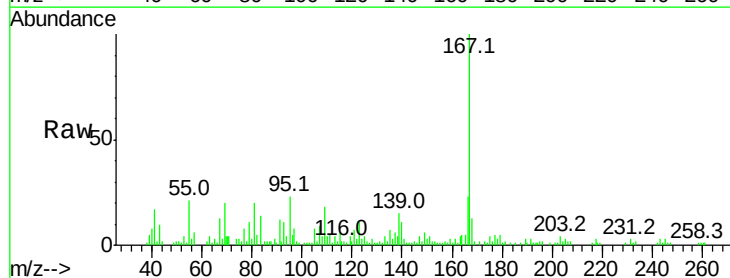


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

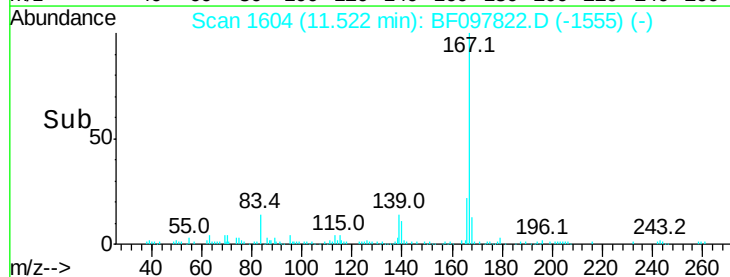
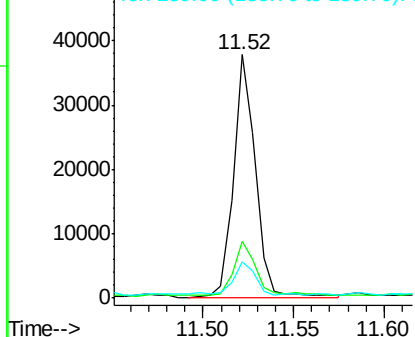


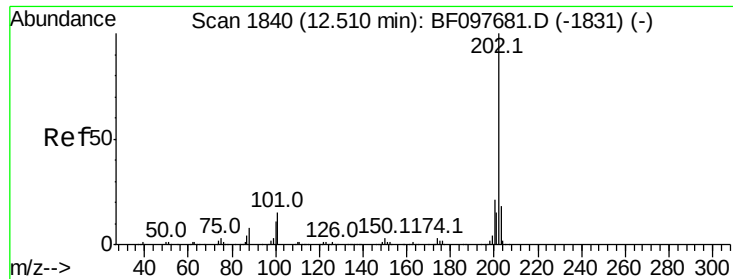
#72
 Carbazole
 Concen: 2.348 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF097822.D
 Acq: 18 Aug 2017 8:49

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.5	18.1	27.1
139	15.1	11.7	17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 38.206 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF097822.D

Acq: 18 Aug 2017 8:49

Instrument :

BNA_F

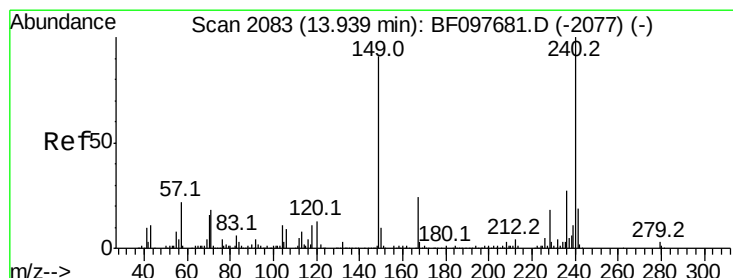
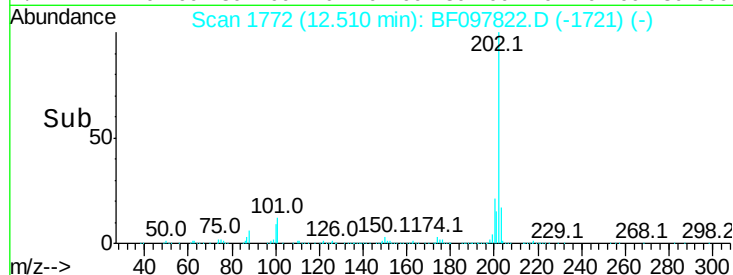
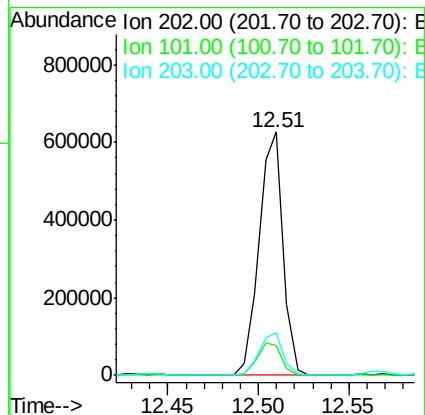
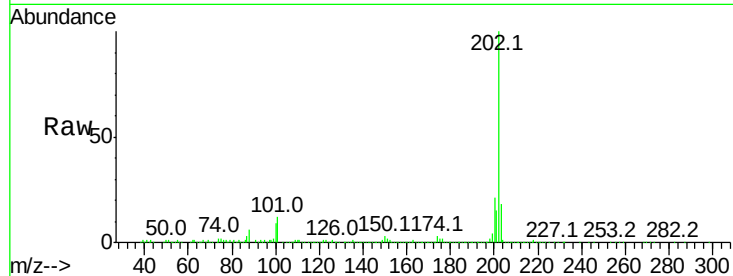
ClientSampled :

E2-J9-NSW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

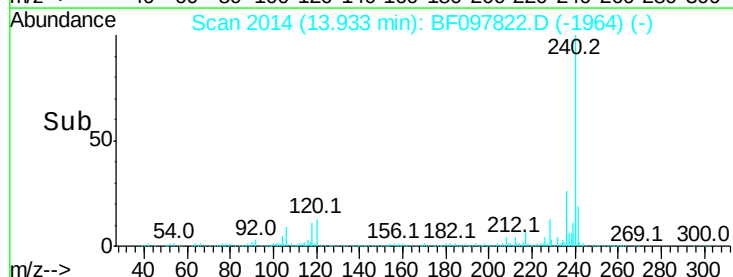
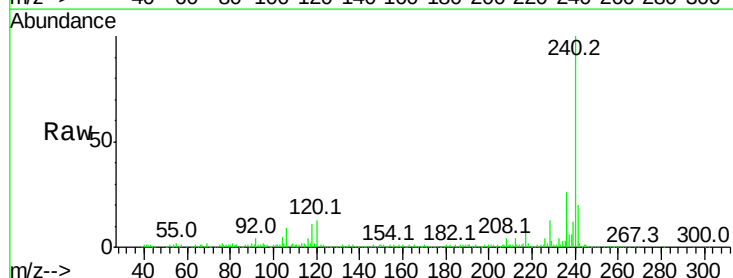
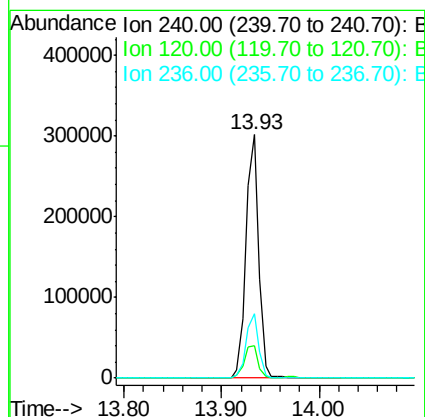
RT: 13.93 min Scan# 2014

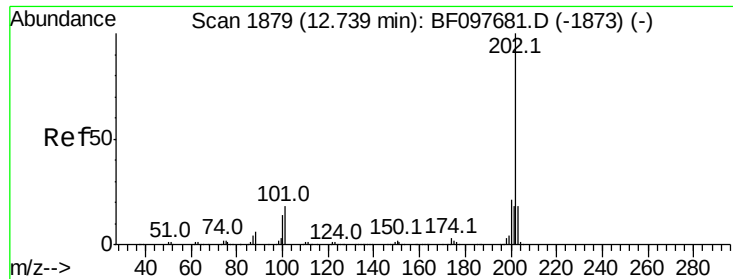
Delta R.T. -0.01 min

Lab File: BF097822.D

Acq: 18 Aug 2017 8:49

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.4	5.8	8.8#
236	26.2	20.5	30.7





#77

Pvrene

Concen: 24.330 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097822.D

Acq: 18 Aug 2017 8:49

Instrument :

BNA_F

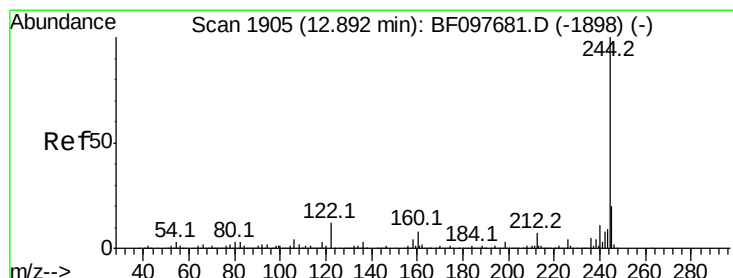
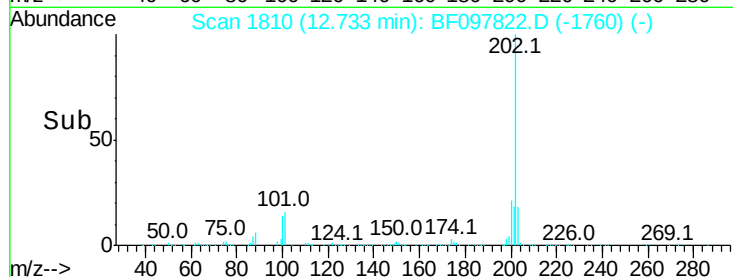
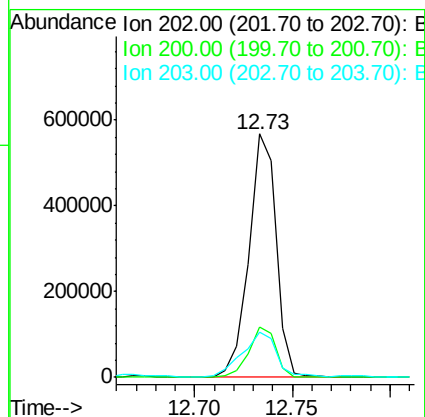
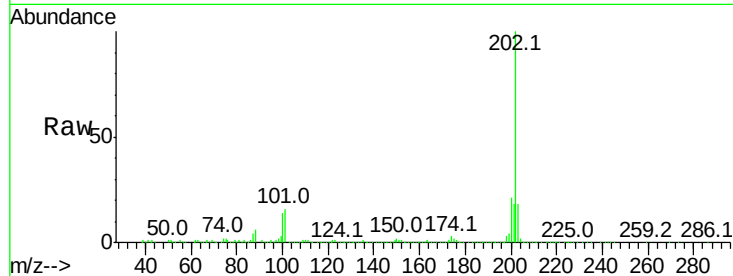
ClientSampled :

E2-J9-NSW

Tot Ion:	202	Resp:	547040
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.6	26.4
203	18.4	14.4	21.6

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#78

Terphenyl-d14

Concen: 26.299 ng

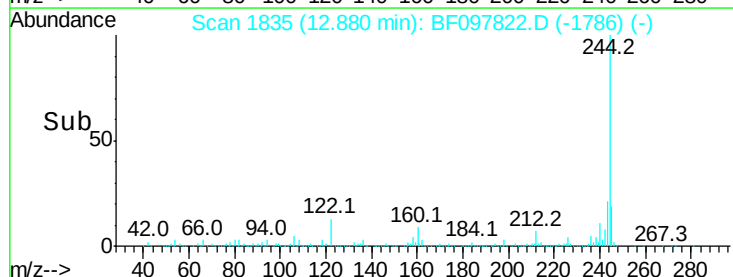
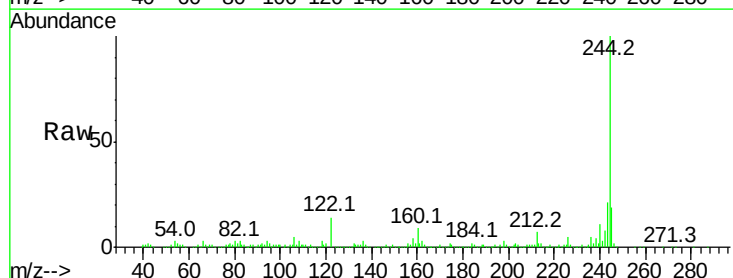
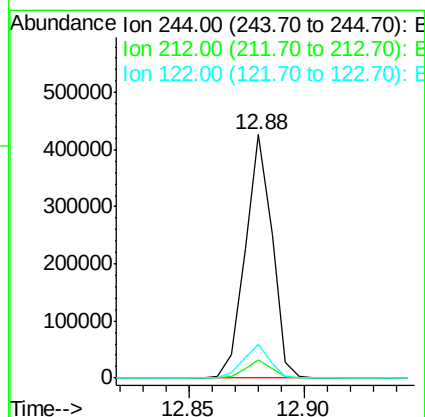
RT: 12.88 min Scan# 1835

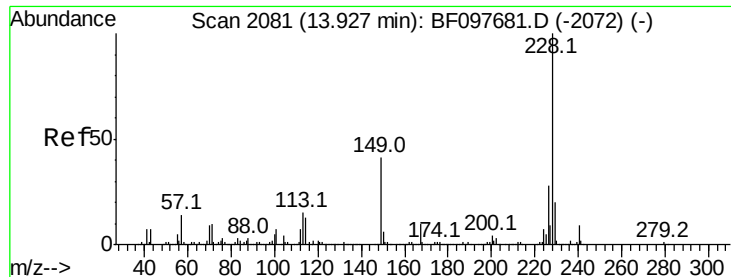
Delta R.T. -0.01 min

Lab File: BF097822.D

Acq: 18 Aug 2017 8:49

Tgt Ion:	244	Resp:	346692
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.0	9.0
122	13.7	10.3	15.5





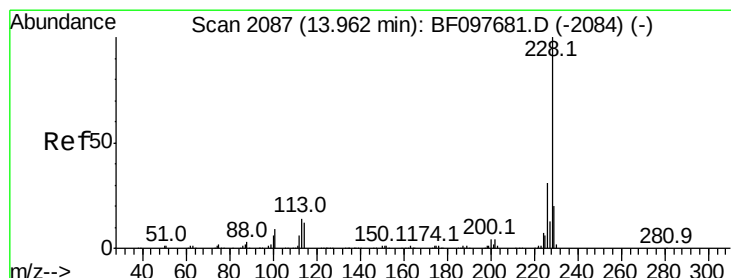
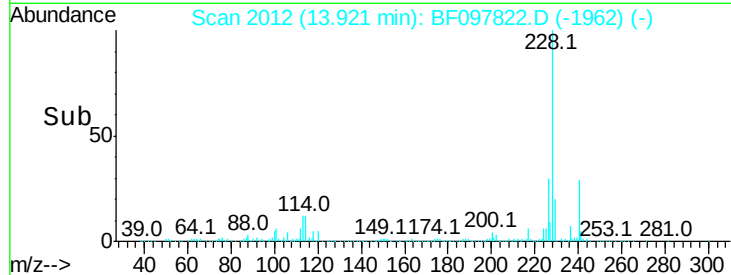
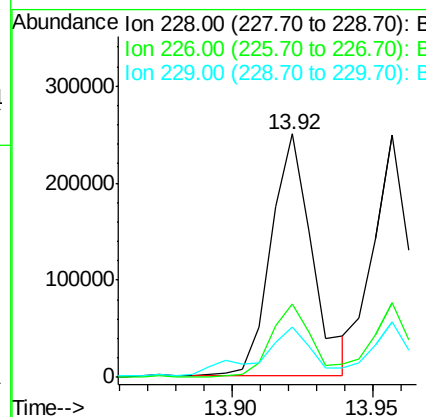
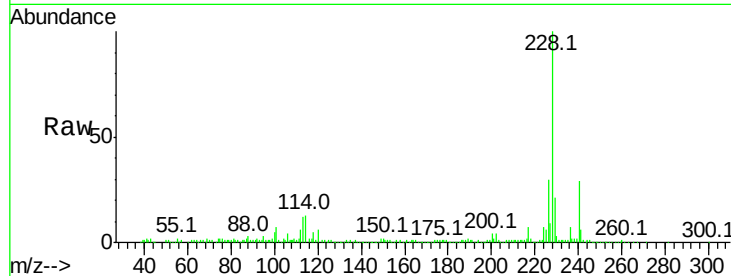
#80
Benzo(a)anthracene
Concen: 15.252 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097822.D
Acq: 18 Aug 2017 8:49

Instrument :
BNA_F
ClientSampleId :
E2-J9-NSW

Tot Ion	Ratio	Resp	Lower	Upper
228	100	251305		
226	30.2	22.6	33.8	
229	20.7	16.3	24.5	

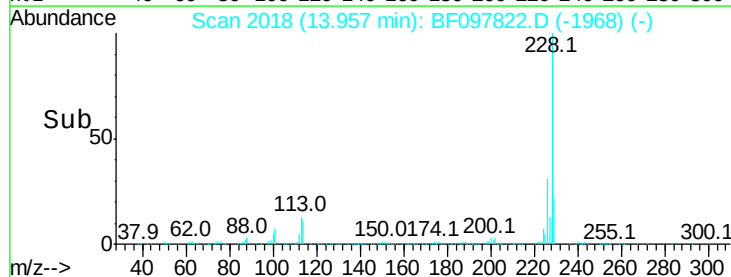
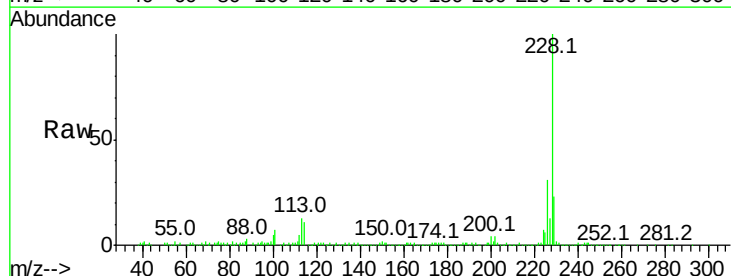
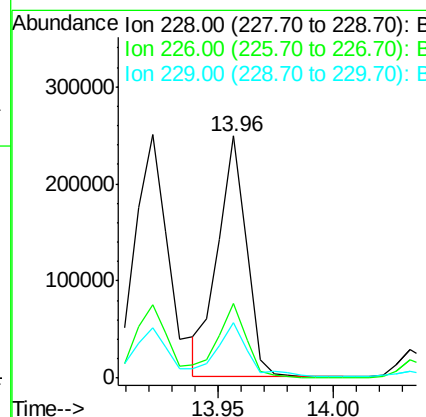
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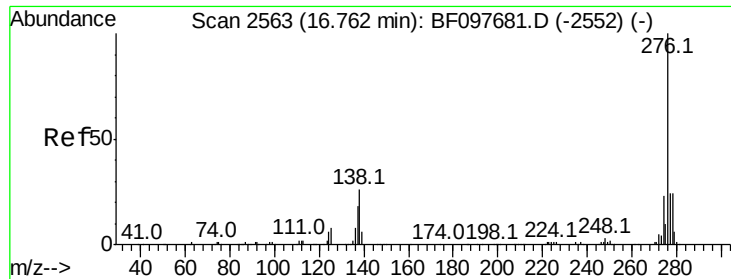
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#82
Chrysene
Concen: 13.018 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF097822.D
Acq: 18 Aug 2017 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	213361		
226	30.9	24.9	37.3	
229	22.9	15.8	23.6	





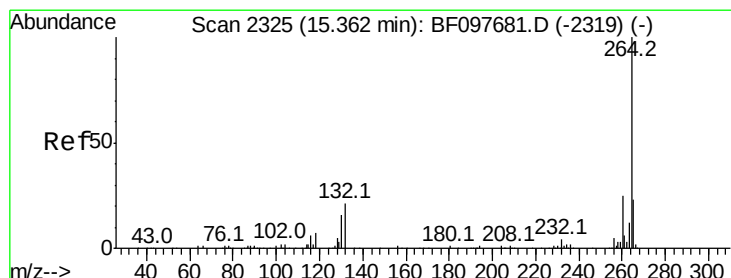
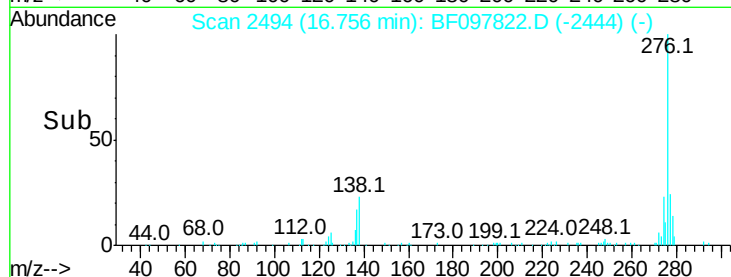
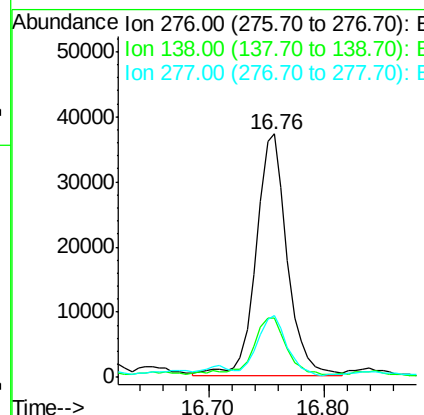
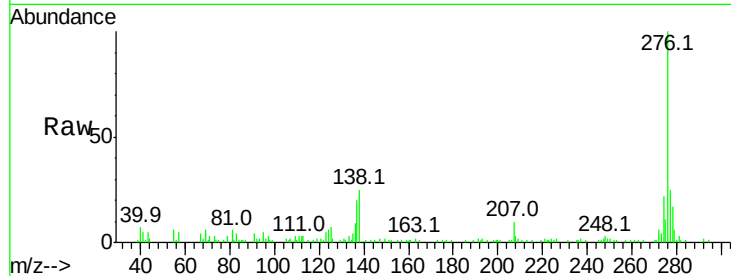
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.799 ng
 RT: 16.76 min Scan# 2494
 Delta R.T. -0.01 min
 Lab File: BF097822.D
 Acq: 18 Aug 2017 8:49

Instrument :
 BNA_F
 ClientSampled :
 E2-J9-NSW

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.8	27.8	41.6#
277	23.3	20.2	30.4

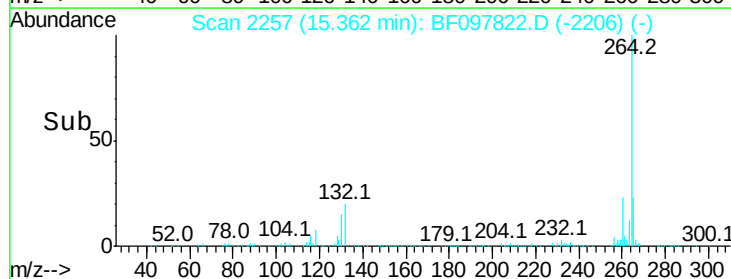
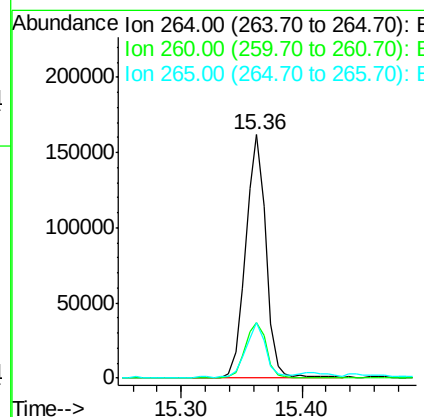
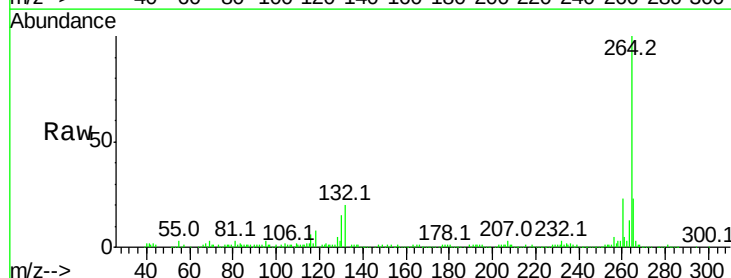
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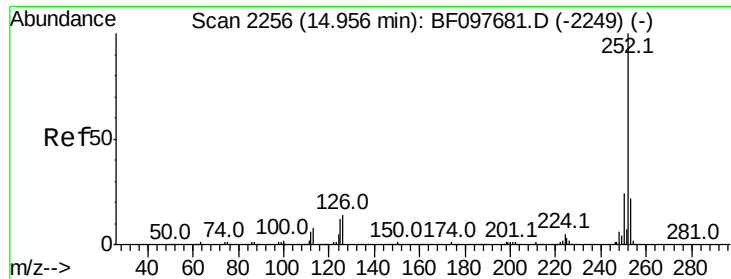
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. 0.00 min
 Lab File: BF097822.D
 Acq: 18 Aug 2017 8:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	23.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 17.431 ng m

RT: 14.95 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BF097822.D

Acq: 18 Aug 2017 8:49

Instrument :

BNA_F

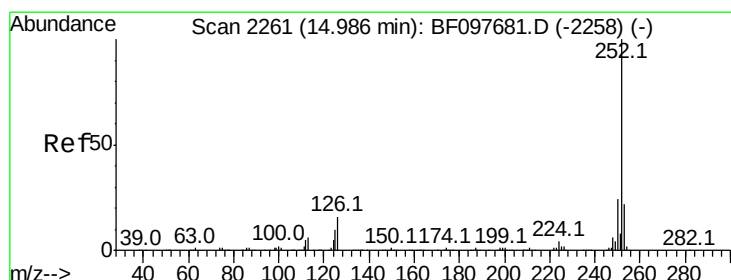
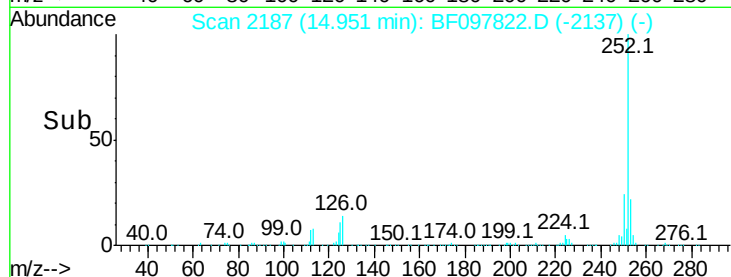
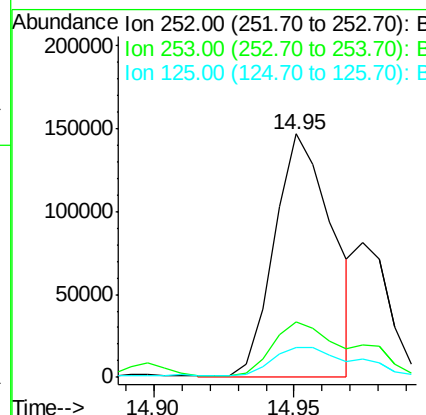
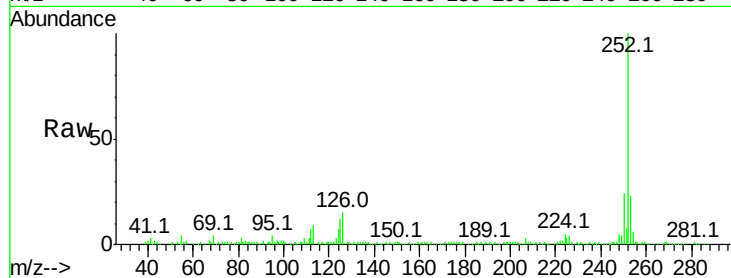
ClientSampled :

E2-J9-NSW

Tot Ion	Ratio	Resp	Lower	Upper
252	100	209967		
253	22.8	18.1	27.1	
125	12.1	9.8	14.8	

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#88

Benzo(k)fluoranthene

Concen: 6.128 ng m

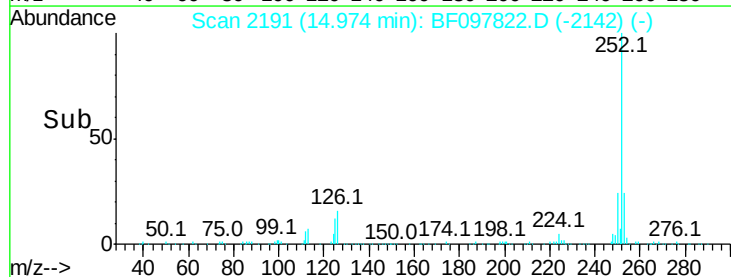
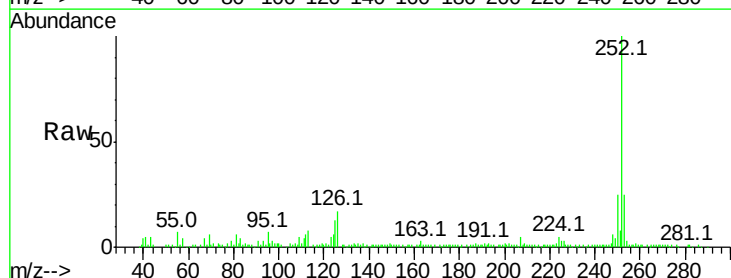
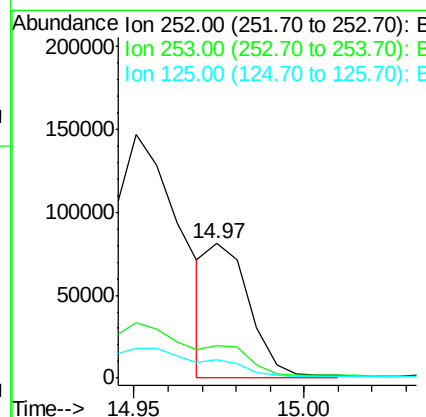
RT: 14.97 min Scan# 2191

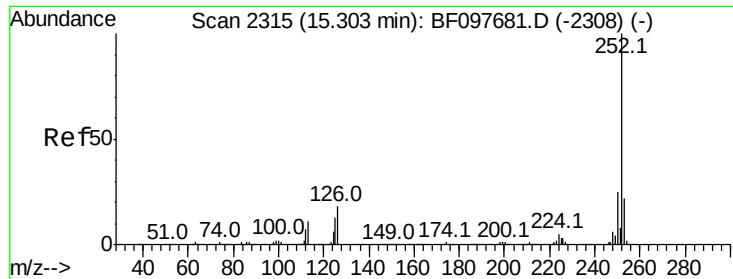
Delta R.T. -0.01 min

Lab File: BF097822.D

Acq: 18 Aug 2017 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	69349		
253	24.6	18.4	27.6	
125	13.4	13.1	19.7	





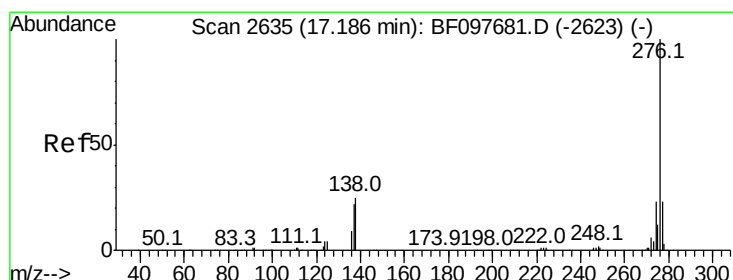
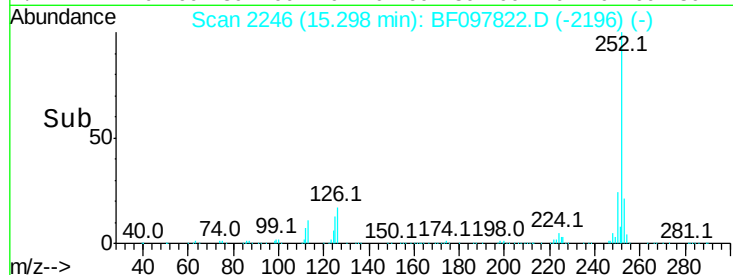
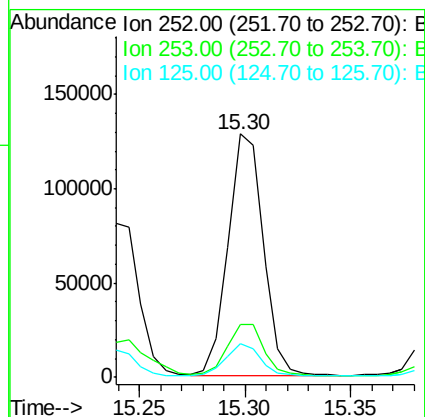
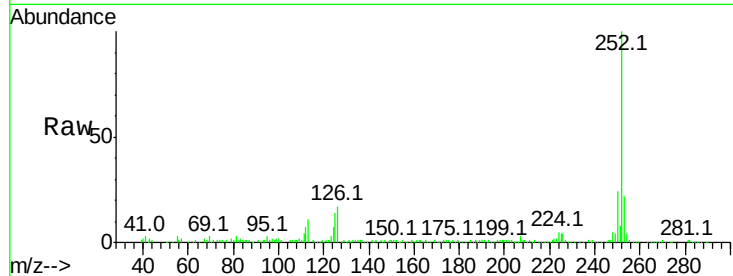
#89
Benzo(a)pyrene
Concen: 14.012 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097822.D
Acq: 18 Aug 2017 8:49

Instrument :
BNA_F
ClientSampled :
E2-J9-NSW

Tot Ion:	252	Resp:	149423
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.5	26.3
125	13.7	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.294 ng
RT: 17.17 min Scan# 2565
Delta R.T. -0.01 min
Lab File: BF097822.D
Acq: 18 Aug 2017 8:49

Tgt Ion:	276	Resp:	66069
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.6	28.0
138	27.1	25.4	38.0

