

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097774.D
 Acq On : 17 Aug 2017 8:14
 Operator : SJ/JU
 Sample : I4773-03
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-NSW

Manual Integrations
 APPROVED

Sohil
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Quant Time: Aug 17 08:44:47 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	6.78	152	143955	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	541763	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	219546	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	327100	20.00	ng	0.00
75) Chrysene-d12	13.93	240	268180	20.00	ng	0.00
86) Perylene-d12	15.37	264	226876	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	731876	77.33	ng	0.00
7) Phenol-d6	6.41	99	996731	77.51	ng	0.00
23) Nitrobenzene-d5	7.34	82	605904	60.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	140337	73.67	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	850699	56.93	ng	0.00
78) Terphenyl-d14	12.89	244	465516	36.20	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.42	94	34925	2.322	ng	89
11) bis(2-Chloroethyl)ether	6.52	93	48927	4.310	ng	96
12) 1,3-Dichlorobenzene	6.72	146	260047m	24.222	ng	
13) 1,4-Dichlorobenzene	6.80	146	601820	55.117	ng	# 92
14) 1,2-Dichlorobenzene	6.96	146	2008838	199.529	ng	99
30) 1,2,4-Trichlorobenzene	8.00	180	301841	37.927	ng	99
31) Naphthalene	8.09	128	375543	13.352	ng	99
37) 2-Methylnaphthalene	8.77	142	65093	3.775	ng	95
49) Dimethylphthalate	9.53	163	195027	12.153	ng	# 98
51) Acenaphthene	9.85	154	72052	4.918	ng	99
69) Pentachlorophenol	11.10	266	4468	2.213	ng	90
70) Phenanthrene	11.32	178	85521	4.906	ng	99
74) Fluoranthene	12.51	202	93475	5.138	ng	97
77) Pyrene	12.73	202	91336	4.164	ng	96
80) Benzo(a)anthracene	13.92	228	48261	3.003	ng	94
82) Chrysene	13.96	228	48944	3.061	ng	97
85) Indeno(1,2,3-cd)pyrene	16.76	276	25254	2.147	ng	# 87
87) Benzo(b)fluoranthene	14.95	252	68988m	4.824	ng	
89) Benzo(a)pyrene	15.30	252	44957	3.551	ng	# 97
91) Benzo(a,h,i)perylene	17.17	276	24218	2.252	ng	# 91

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

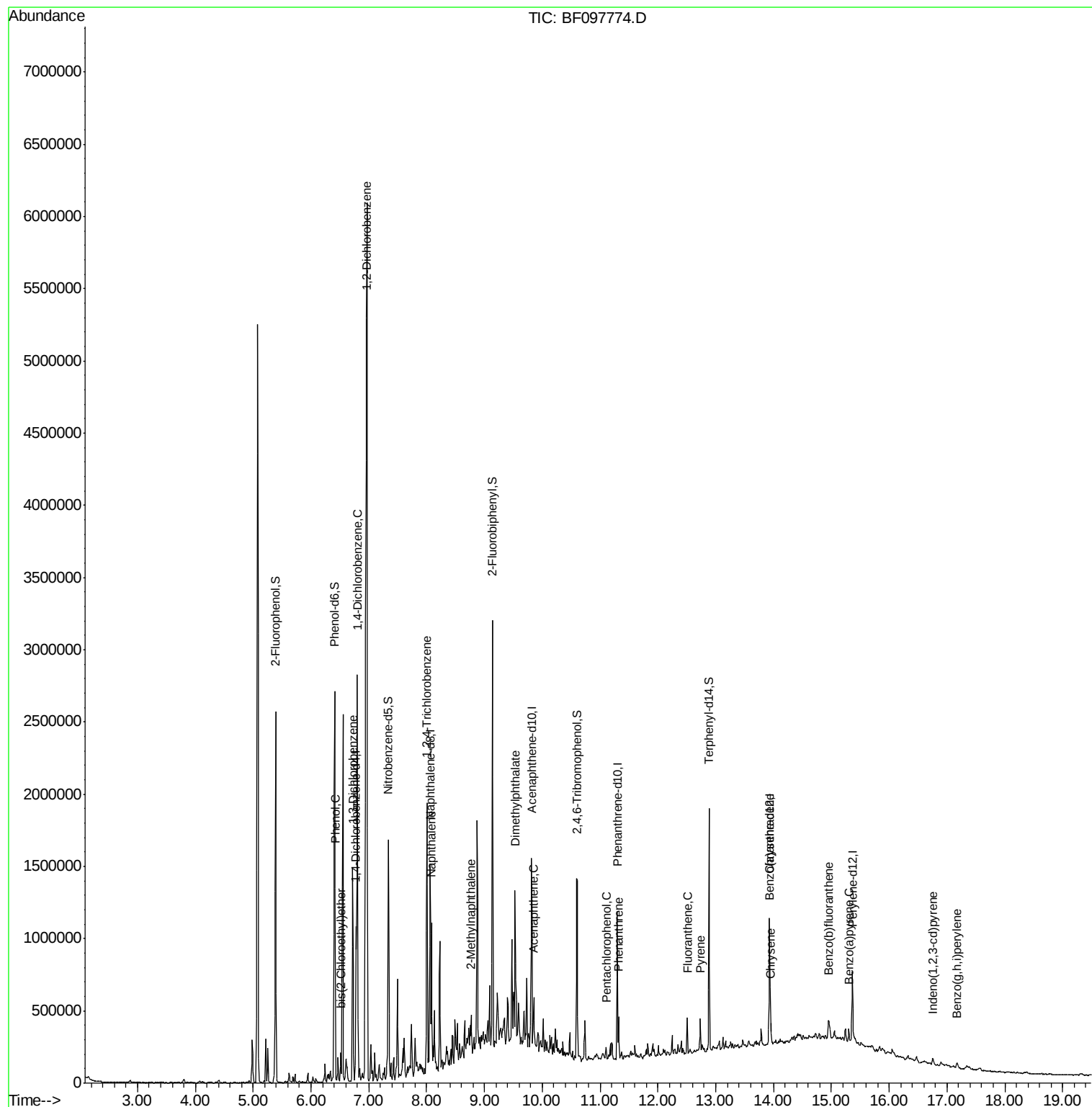
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
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ALS Vial : 40 Sample Multiplier: 1

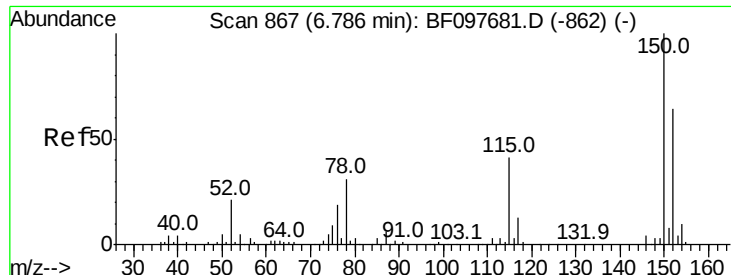
Instrument :
BNA_F
ClientSampleId :
E2-J10-NSW

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#1

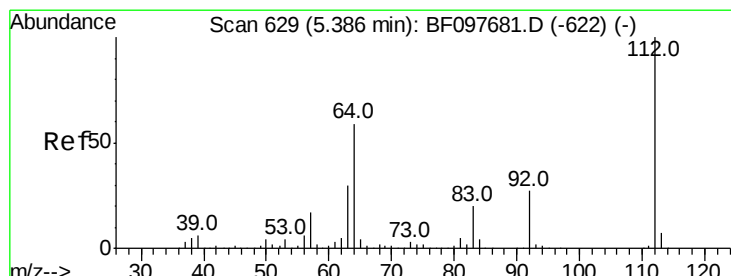
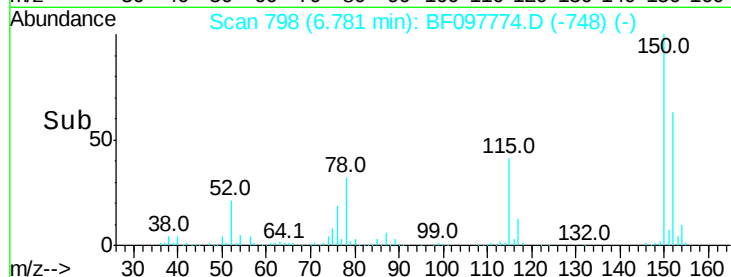
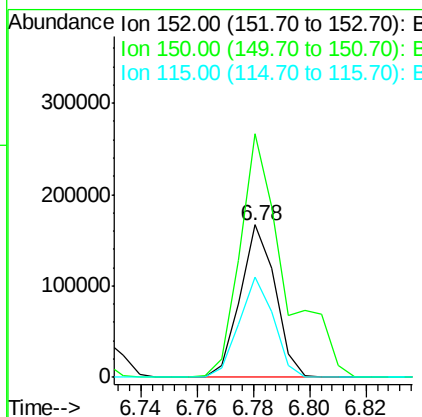
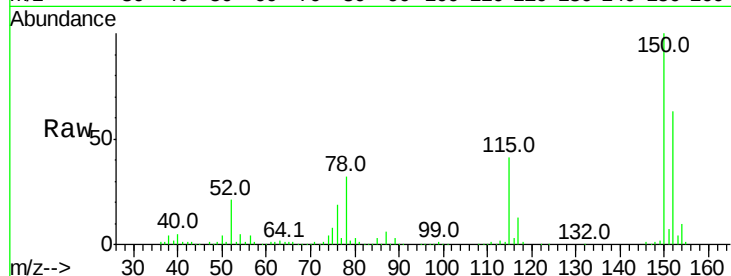
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097774.D
Acq: 17 Aug 2017 8:14

Instrument :
BNA_F
ClientSampleId :
E2-J10-NSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	126.2	189.2
115	65.7	52.2	78.2

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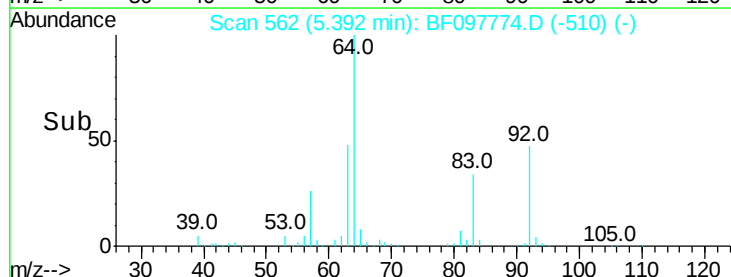
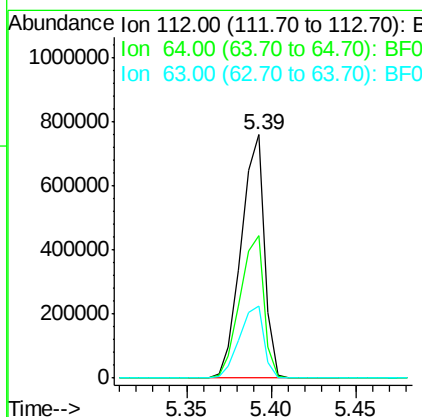
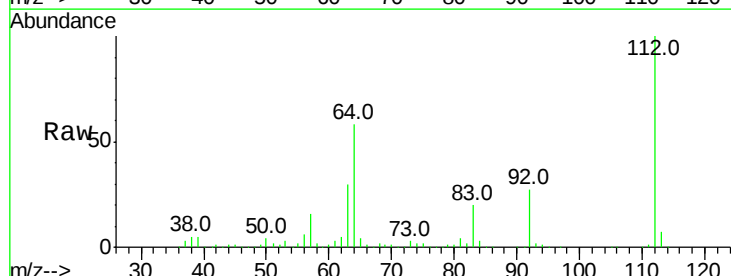
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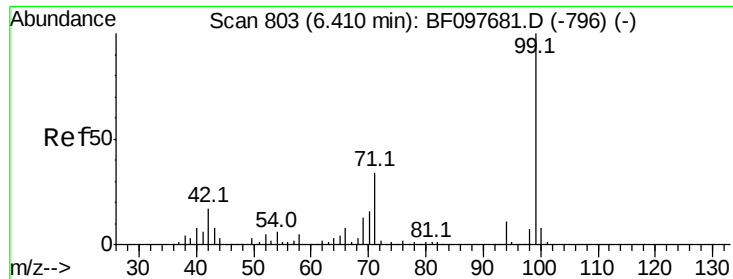


#5

2-Fluorophenol
Concen: 77.332 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF097774.D
Acq: 17 Aug 2017 8:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	46.0	69.0
63	29.5	23.4	35.0





#7

Phenol-d6

Concen: 77.513 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097774.D

Acq: 17 Aug 2017 8:14

Instrument :

BNA_F

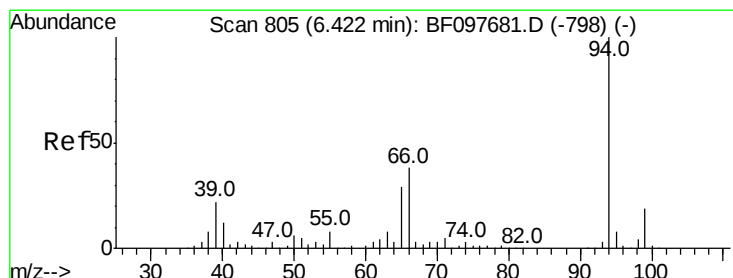
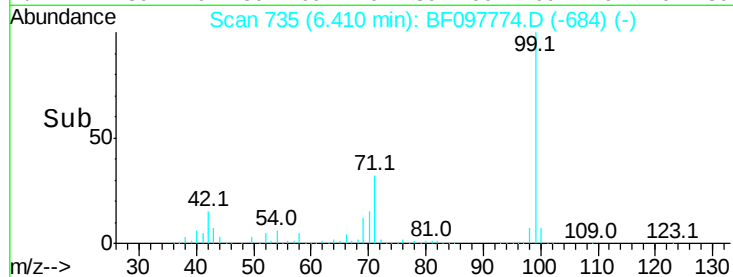
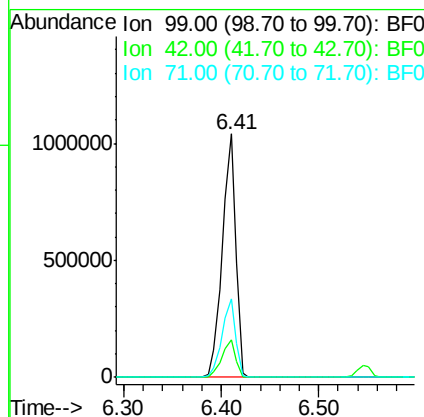
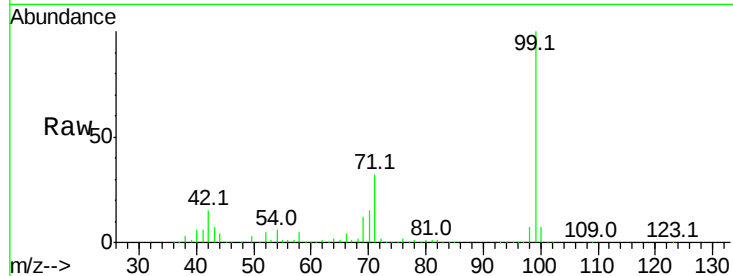
ClientSampled :

E2-J10-NSW

Tot Ion:	99	Resp:	996731
Ion Ratio	Lower	Upper	
99	100		
42	15.2	13.5	20.3
71	32.0	24.5	36.7

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#10

Phenol

Concen: 2.322 ng

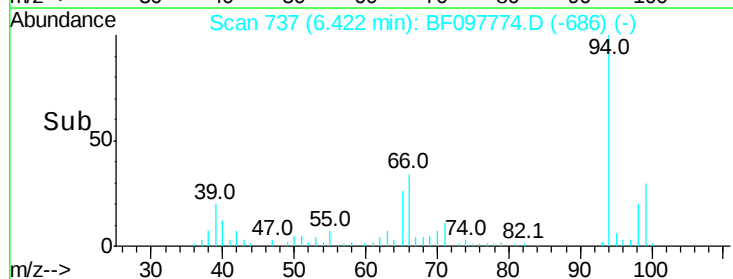
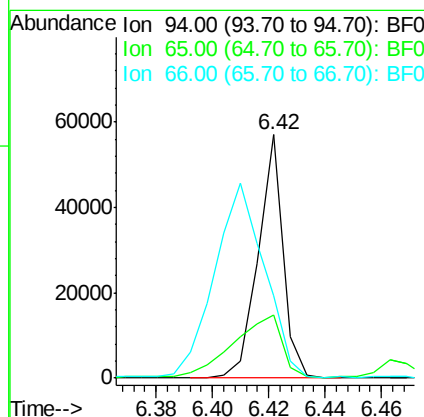
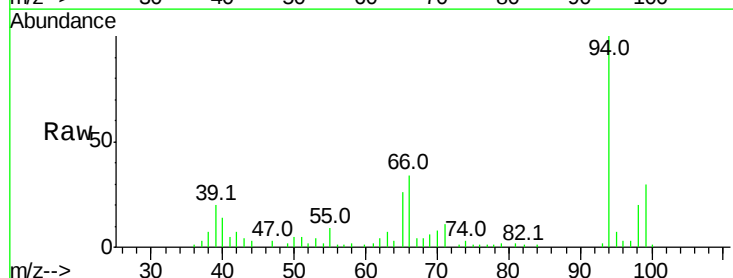
RT: 6.42 min Scan# 737

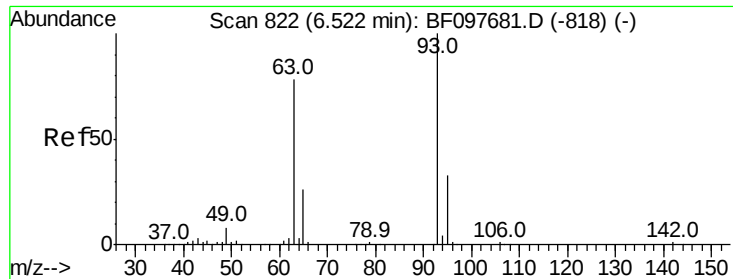
Delta R.T. 0.00 min

Lab File: BF097774.D

Acq: 17 Aug 2017 8:14

Tgt Ion:	94	Resp:	34925
Ion Ratio	Lower	Upper	
94	100		
65	26.0	9.9	49.9
66	33.9	23.1	63.1





#11

bis(2-Chloroethyl)ether

Concen: 4.310 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF097774.D

Acq: 17 Aug 2017 8:14

Instrument :

BNA_F

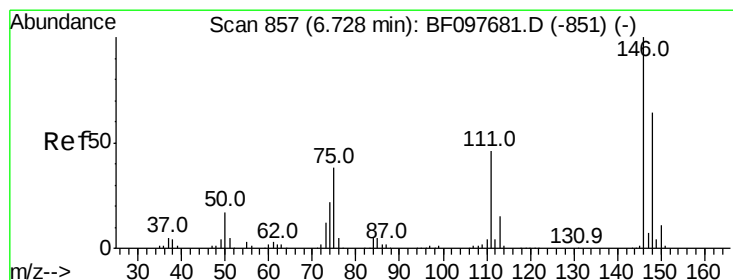
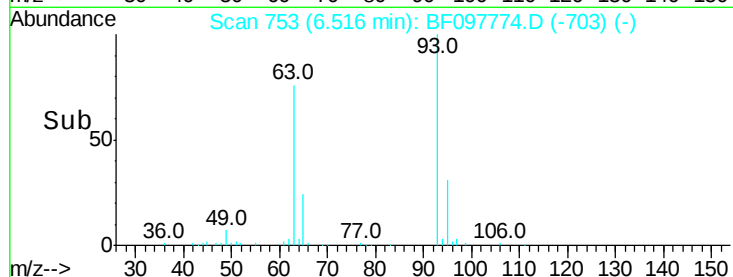
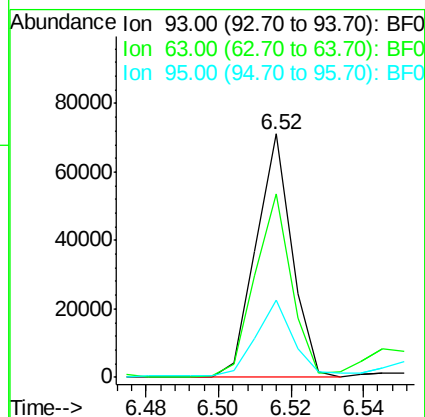
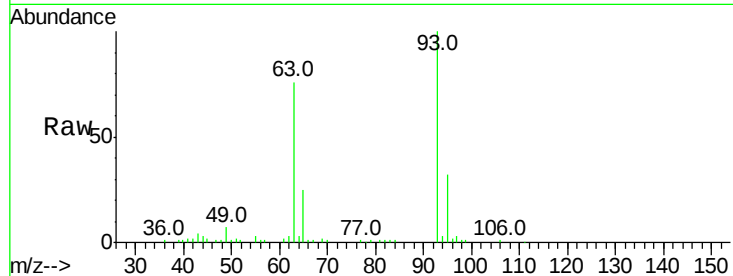
ClientSampleId :

E2-J10-NSW

Tot Ion:	93	Resp:	48927
Ion Ratio	Lower	Upper	
93	100		
63	75.5	59.2	99.2
95	31.6	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 24.222 ng m

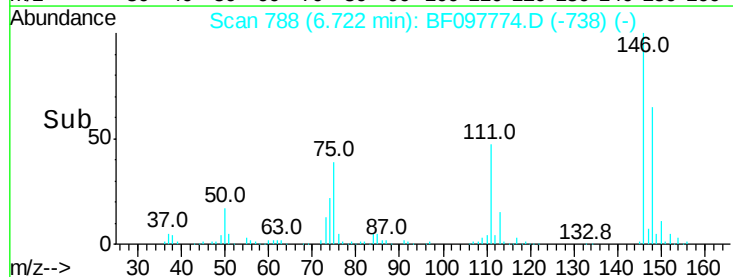
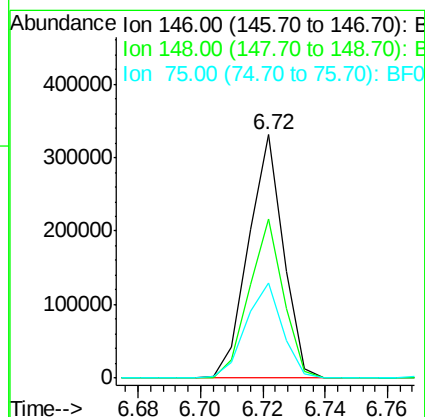
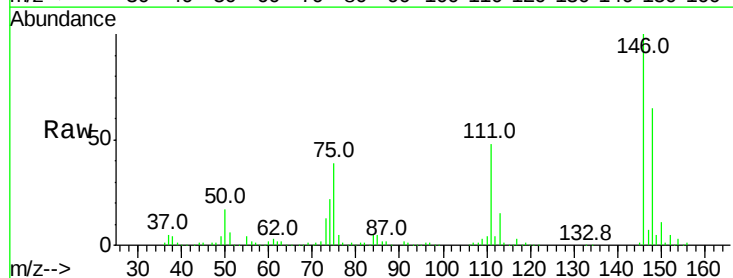
RT: 6.72 min Scan# 788

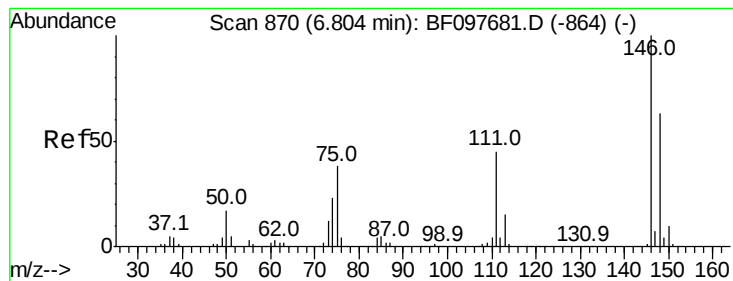
Delta R.T. -0.01 min

Lab File: BF097774.D

Acq: 17 Aug 2017 8:14

Tgt Ion:	146	Resp:	260047
Ion Ratio	Lower	Upper	
146	100		
148	65.3	51.8	77.6
75	39.2	23.1	34.7#





#13

1,4-Dichlorobenzene

Concen: 55.117 ng

RT: 6.80 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF097774.D

Acq: 17 Aug 2017 8:14

Instrument :

BNA_F

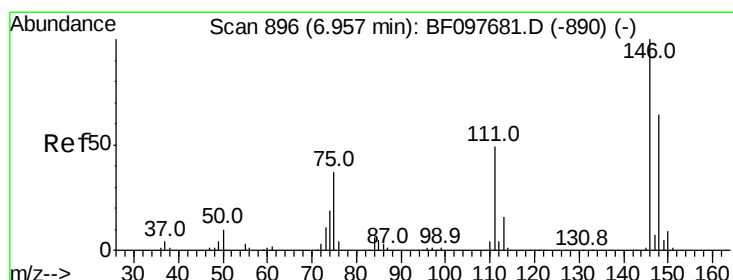
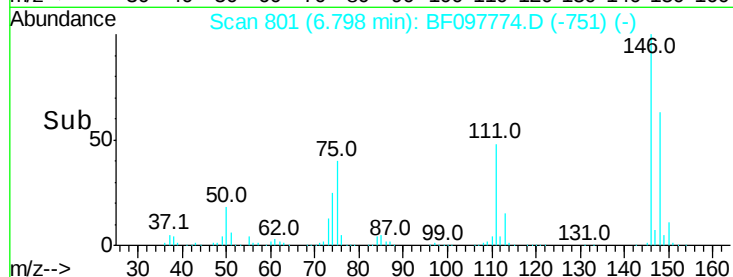
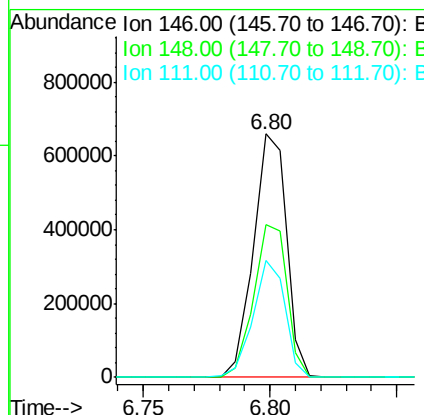
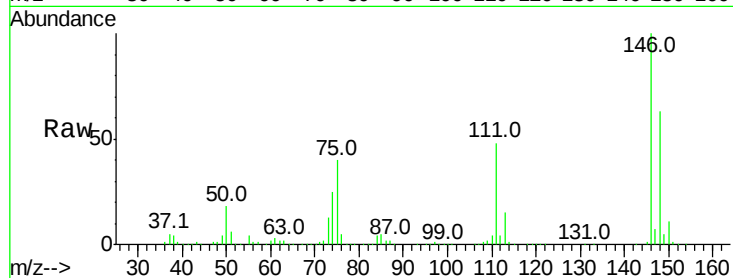
ClientSampled :

E2-J10-NSW

Tot Ion:	146	Resp:	601820
Ion Ratio	Lower	Upper	
146	100		
148	62.6	52.2	78.2
111	47.8	30.3	45.5#

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#14

1,2-Dichlorobenzene

Concen: 199.529 ng

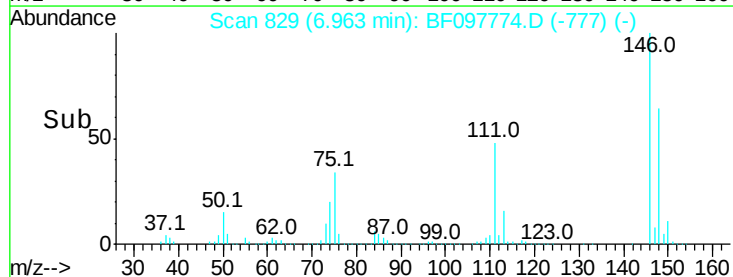
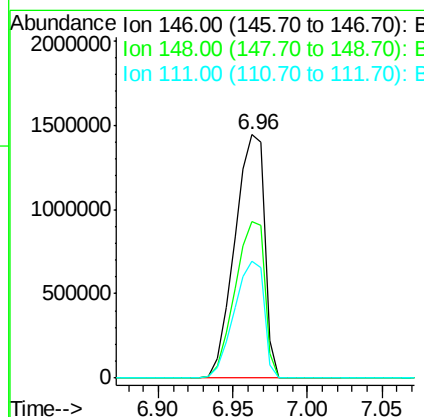
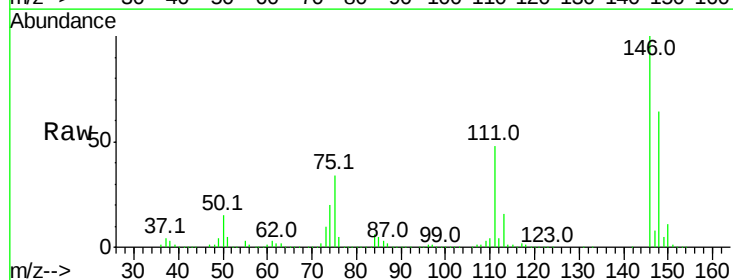
RT: 6.96 min Scan# 829

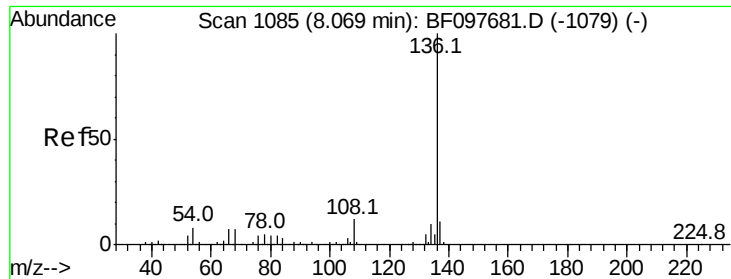
Delta R.T. 0.01 min

Lab File: BF097774.D

Acq: 17 Aug 2017 8:14

Tgt Ion:	146	Resp:	2008838
Ion Ratio	Lower	Upper	
146	100		
148	64.3	50.4	75.6
111	48.3	38.2	57.4





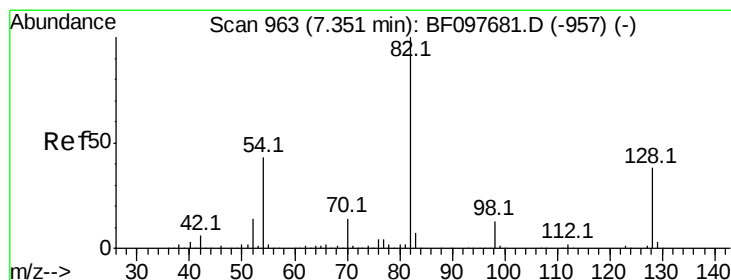
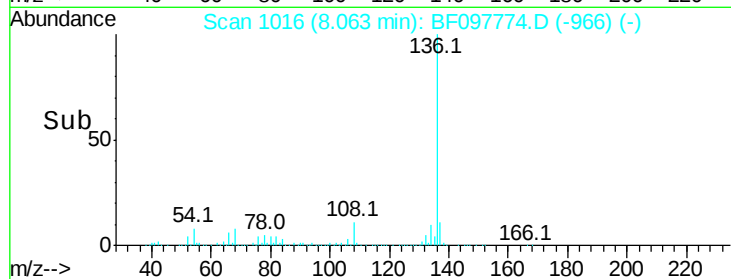
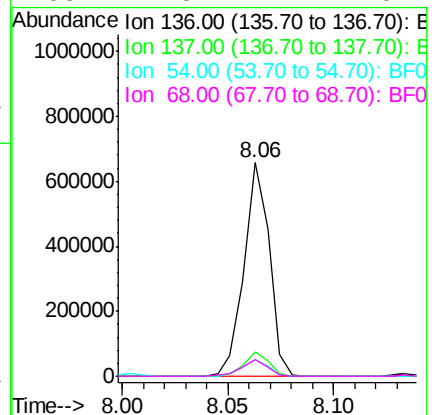
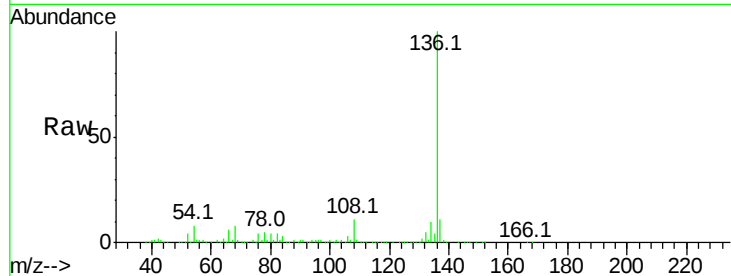
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Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF097774.D
Acq: 17 Aug 2017 8:14

Instrument :
BNA_F
ClientSampleId :
E2-J10-NSW

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.2	8.5	12.7
54	8.0	4.9	7.3#
68	7.8	4.1	6.1#

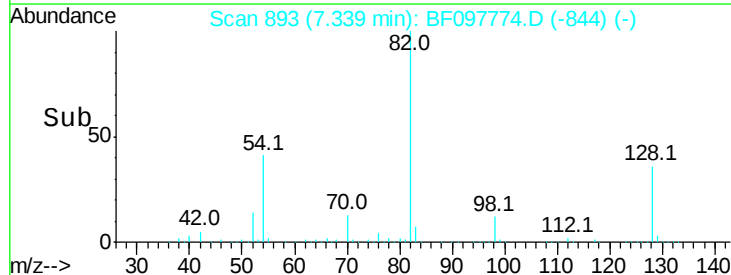
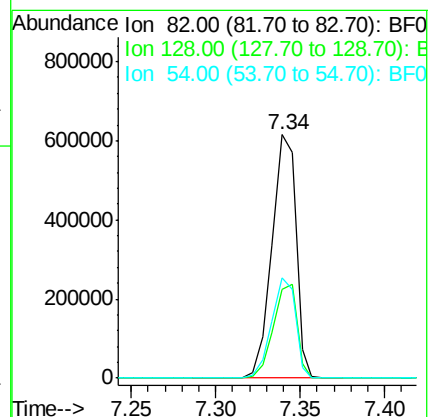
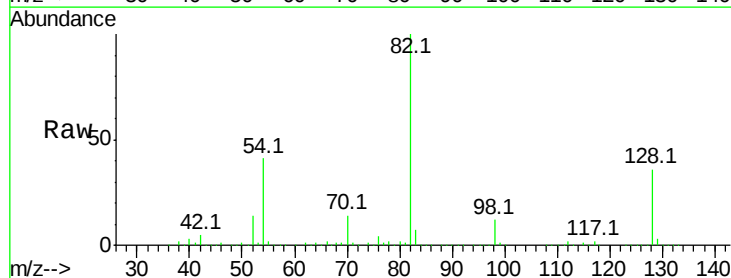
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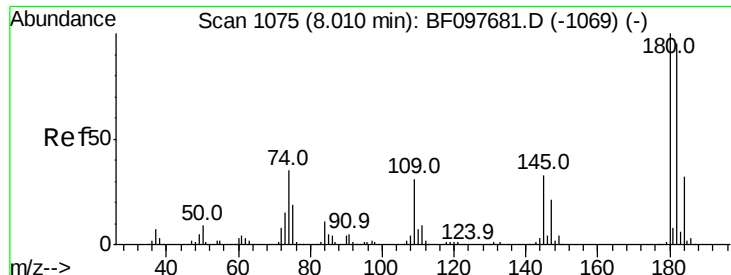
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#23
Nitrobenzene-d5
Concen: 60.756 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF097774.D
Acq: 17 Aug 2017 8:14

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	36.4	34.0	51.0
54	41.1	42.2	63.2#





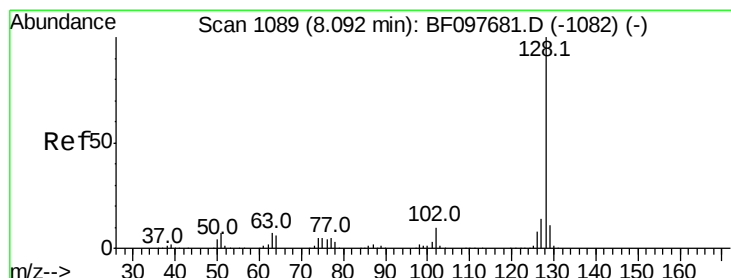
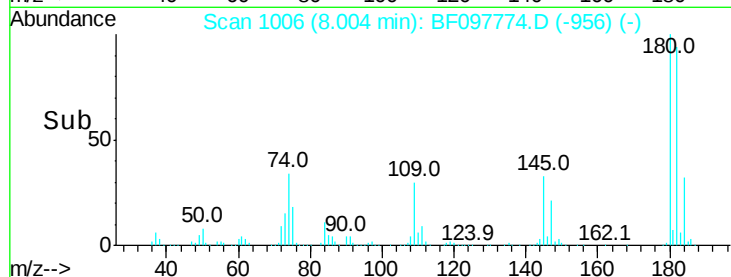
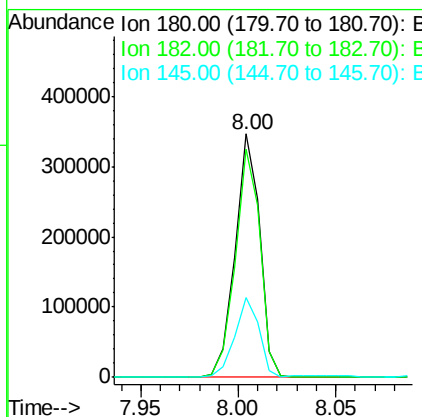
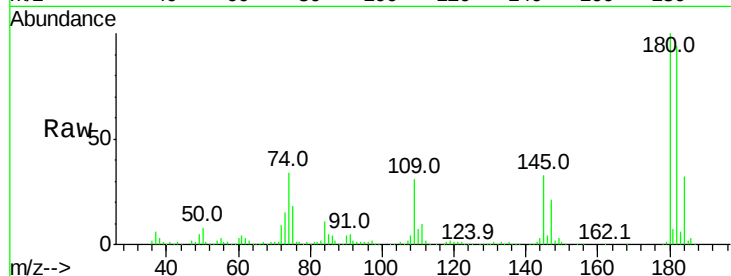
#30
 1,2,4-Trichlorobenzene
 Concen: 37.927 ng
 RT: 8.00 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BF097774.D
 Acq: 17 Aug 2017 8:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-NSW

Tot Ion:	180	Resp:	301841
Ion Ratio	Lower	Upper	
180	100		
182	93.8	75.8	113.6
145	32.8	25.3	37.9

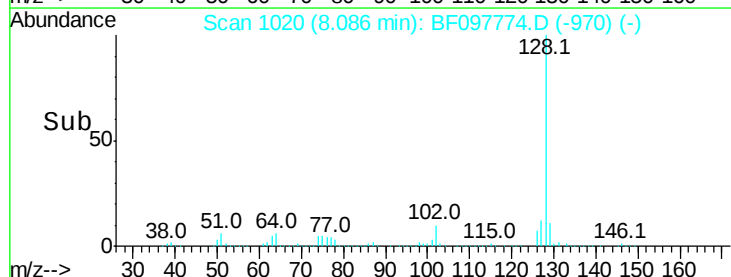
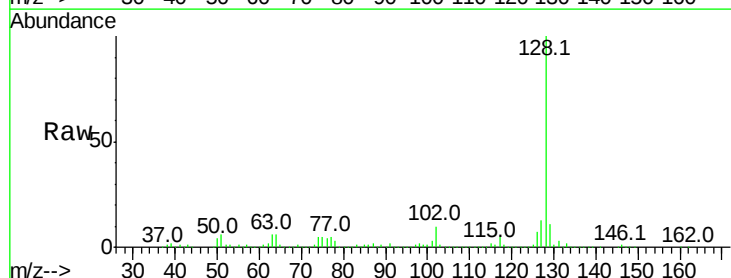
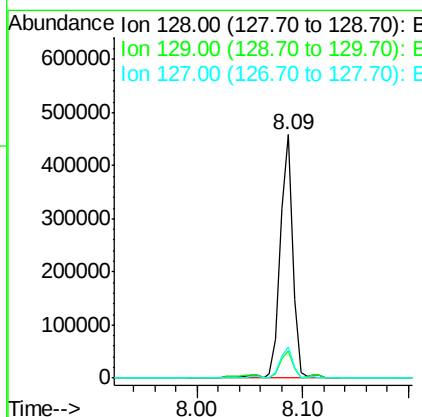
Manual Integrations
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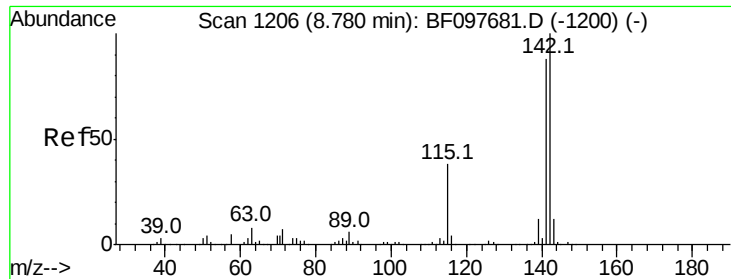
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#31
 Naphthalene
 Concen: 13.352 ng
 RT: 8.09 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BF097774.D
 Acq: 17 Aug 2017 8:14

Tgt Ion:	128	Resp:	375543
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.0	13.6
127	12.7	10.8	16.2





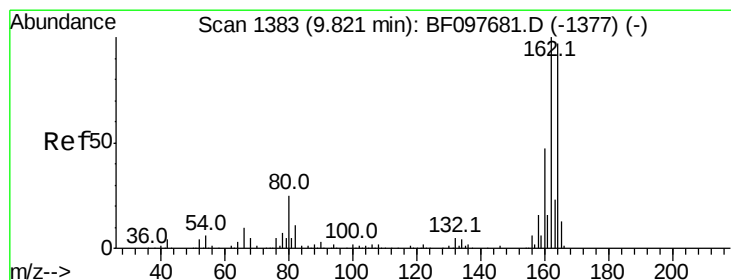
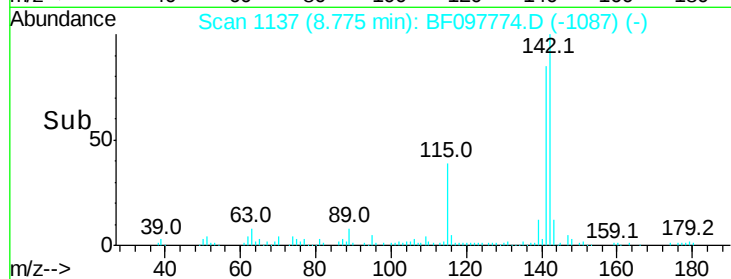
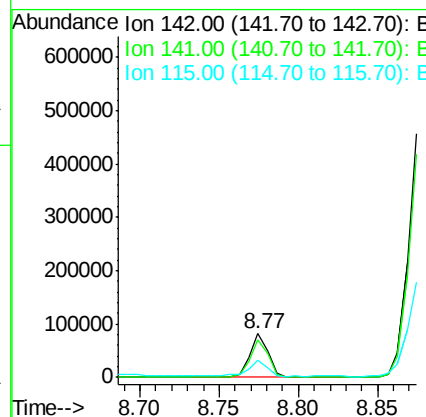
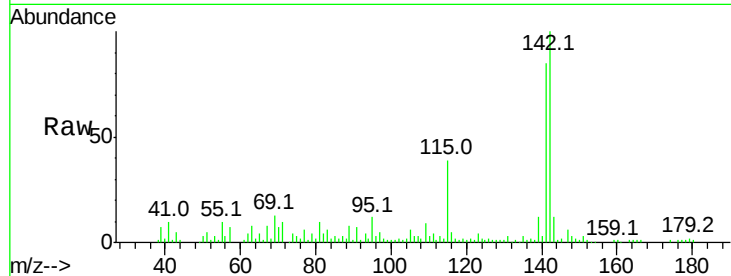
#37
2-Methylnaphthalene
Concen: 3.775 ng
RT: 8.77 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF097774.D
Acq: 17 Aug 2017 8:14

Instrument :
BNA_F
ClientSampleId :
E2-J10-NSW

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.5	71.3	106.9
115	39.3	27.1	40.7

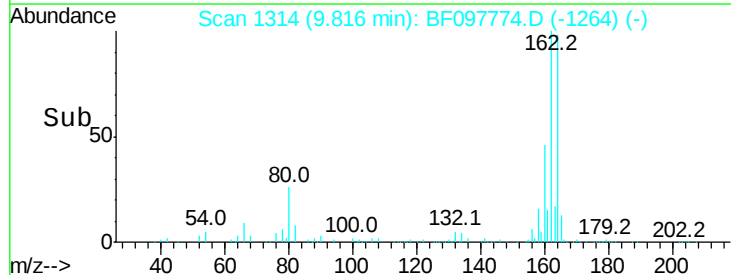
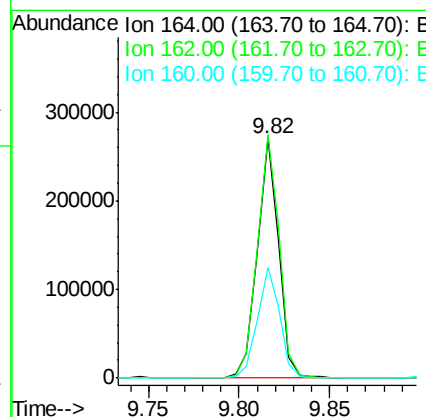
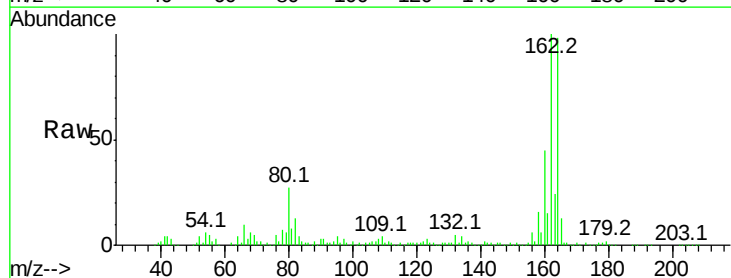
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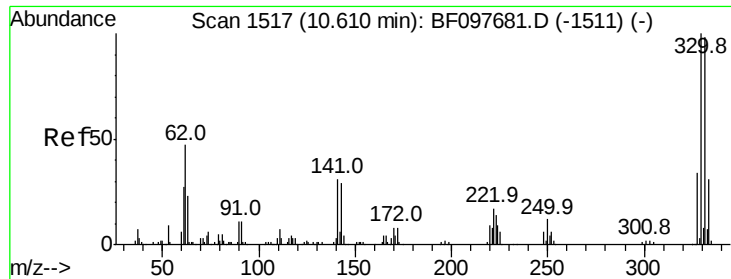
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF097774.D
Acq: 17 Aug 2017 8:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.6	123.8
160	46.2	36.2	54.2





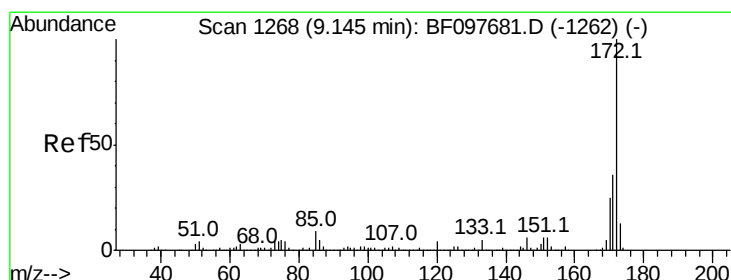
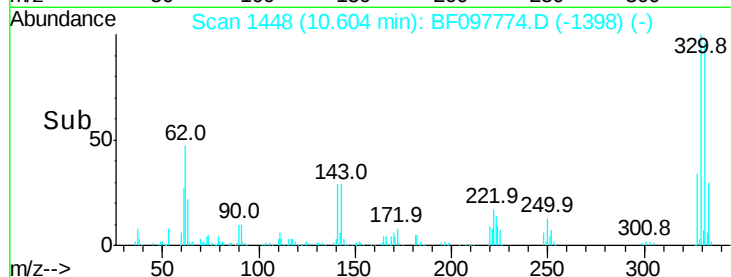
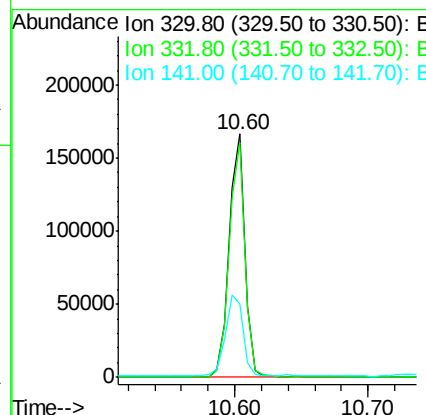
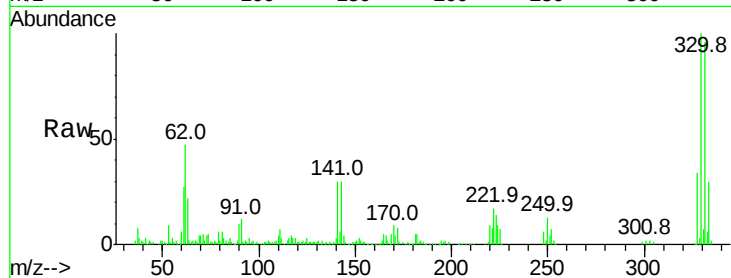
#41
 2,4,6-Tribromophenol
 Concen: 73.671 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097774.D
 Acq: 17 Aug 2017 8:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-NSW

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	76.6	115.0	
141	36.4	31.4	47.2	

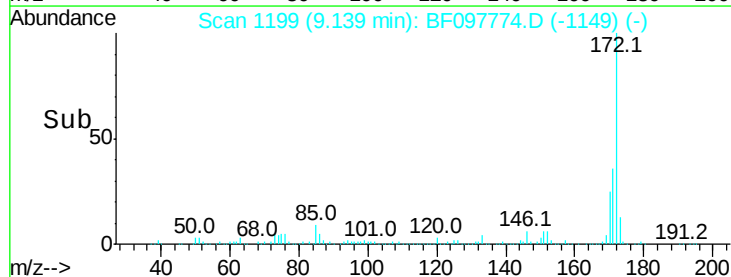
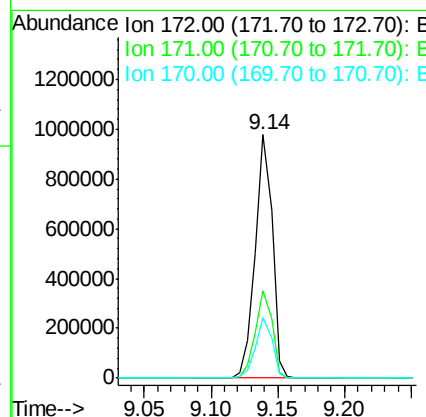
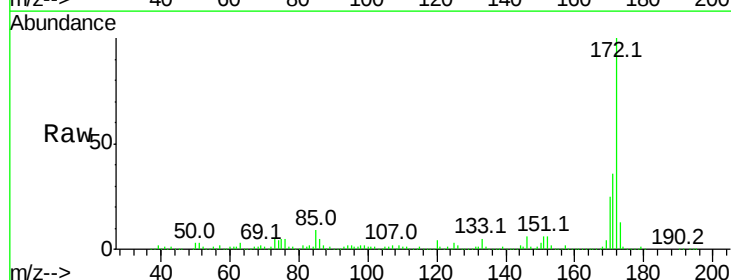
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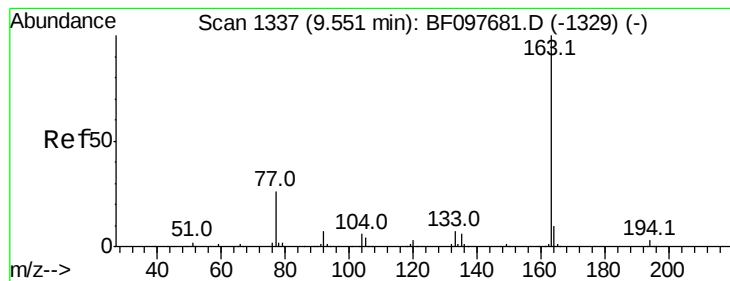
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 56.929 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097774.D
 Acq: 17 Aug 2017 8:14

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	29.6	44.4	
170	24.6	19.8	29.8	





#49

Dimethylphthalate

Concen: 12.153 ng

RT: 9.53 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BF097774.D

Acq: 17 Aug 2017 8:14

Instrument :

BNA_F

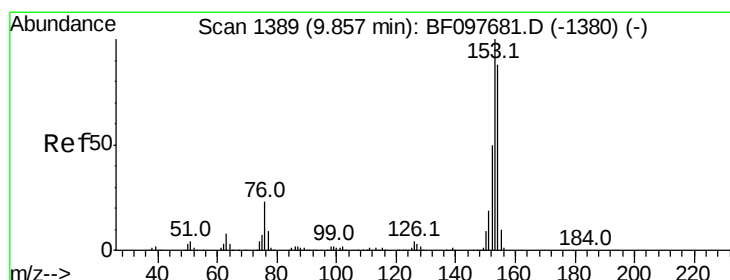
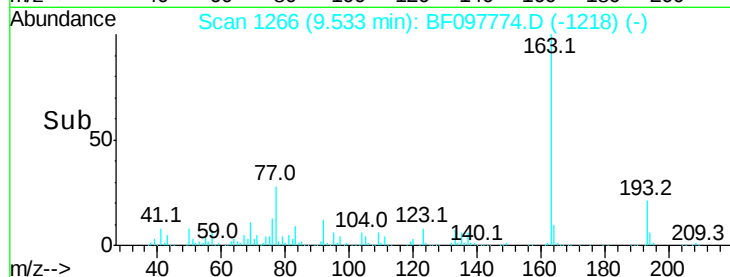
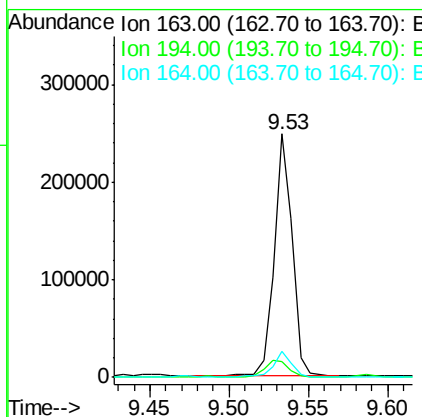
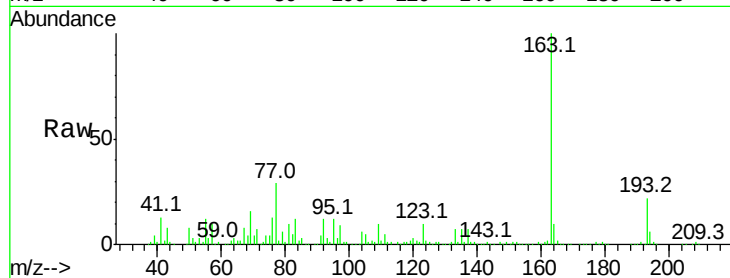
ClientSampleId :

E2-J10-NSW

Tot Ion:	163	Resp:	195027
Ion Ratio	Lower	Upper	
163	100		
194	6.3	2.6	4.0#
164	10.4	8.4	12.6

Manual Integrations
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#51

Acenaphthene

Concen: 4.918 ng

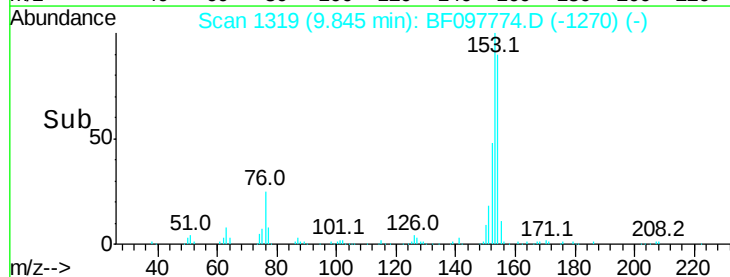
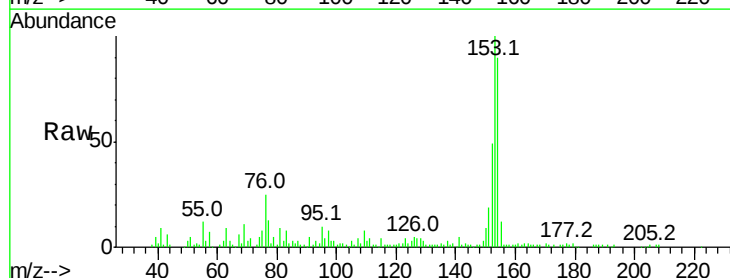
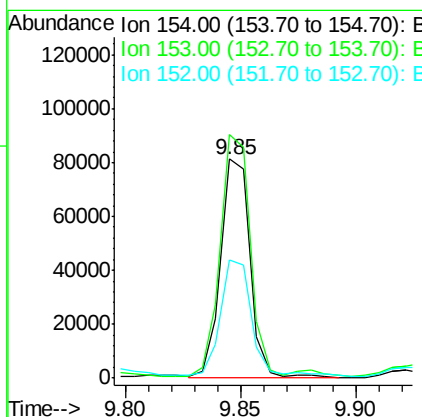
RT: 9.85 min Scan# 1319

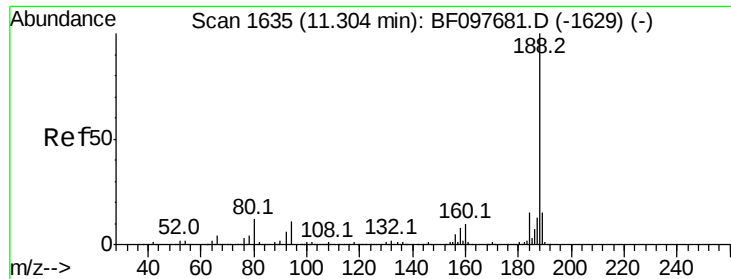
Delta R.T. -0.01 min

Lab File: BF097774.D

Acq: 17 Aug 2017 8:14

Tgt Ion:	154	Resp:	72052
Ion Ratio	Lower	Upper	
154	100		
153	111.3	90.5	135.7
152	54.1	43.6	65.4





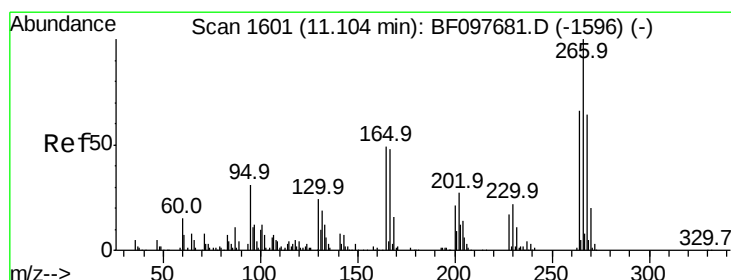
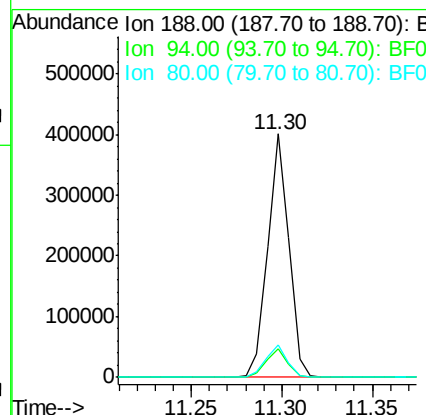
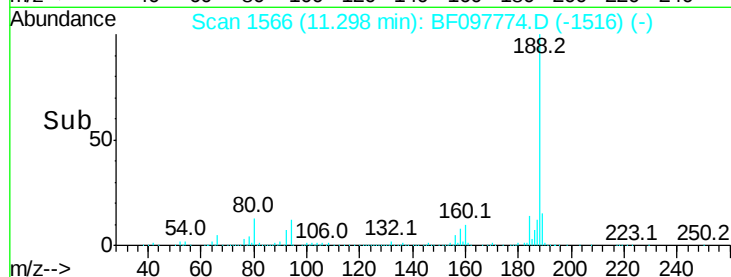
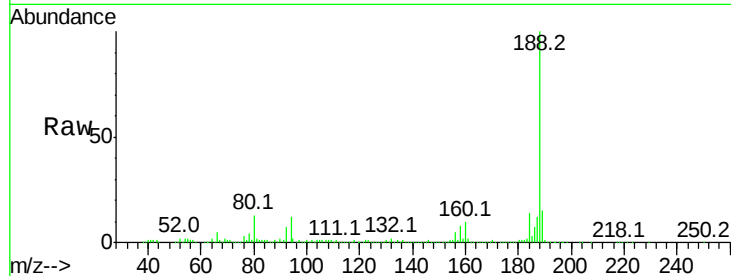
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097774.D
Acq: 17 Aug 2017 8:14

Instrument :
BNA_F
ClientSampleId :
E2-J10-NSW

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.9	9.4	14.2
80	13.1	10.2	15.2

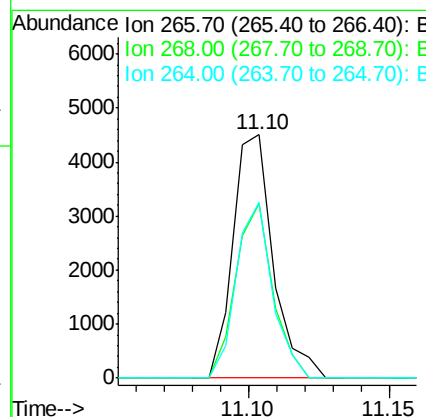
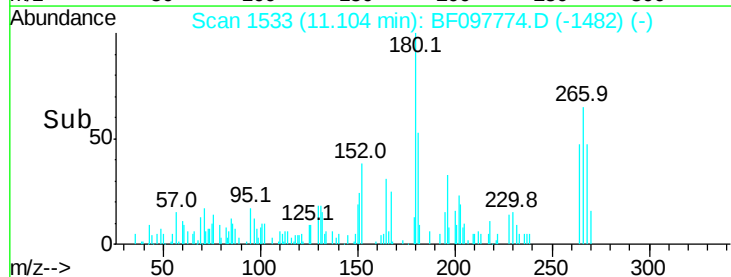
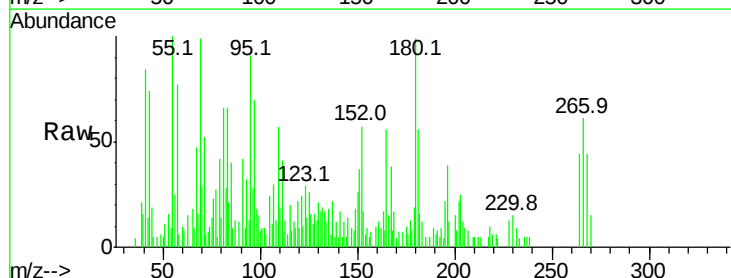
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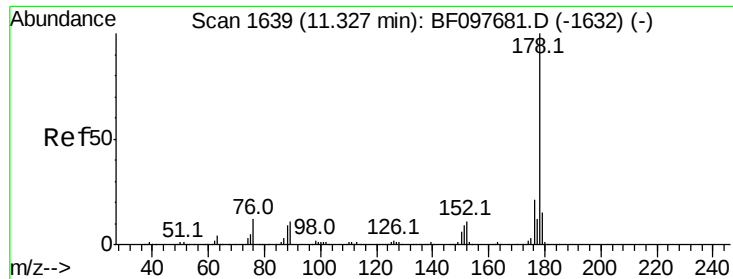
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#69
Pentachlorophenol
Concen: 2.213 ng
RT: 11.10 min Scan# 1533
Delta R.T. 0.00 min
Lab File: BF097774.D
Acq: 17 Aug 2017 8:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	71.8	51.1	76.7
264	72.3	51.7	77.5





#70

Phenanthrene

Concen: 4.906 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF097774.D

Acq: 17 Aug 2017 8:14

Instrument :

BNA_F

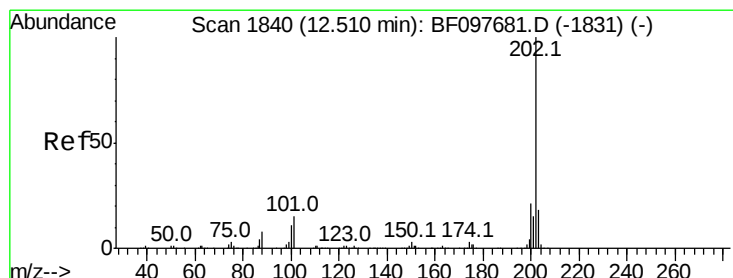
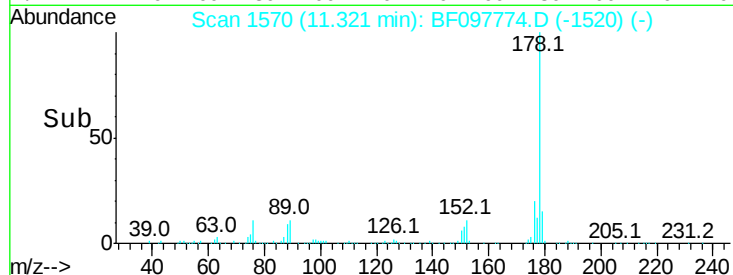
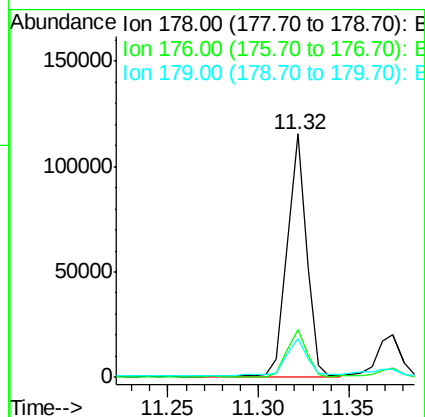
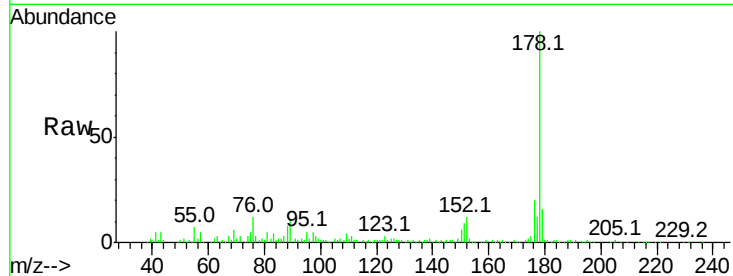
ClientSampleId :

E2-J10-NSW

Tot Ion:	178	Resp:	85521
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.2	24.4
179	16.1	12.6	19.0

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#74

Fluoranthene

Concen: 5.138 ng

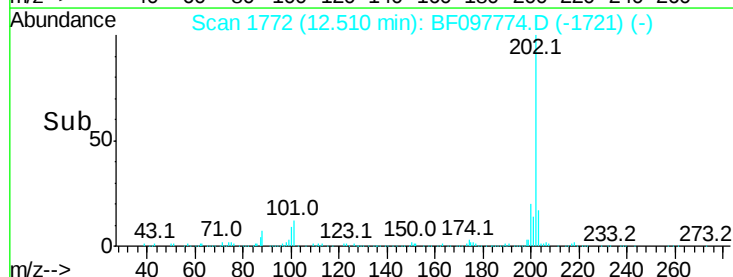
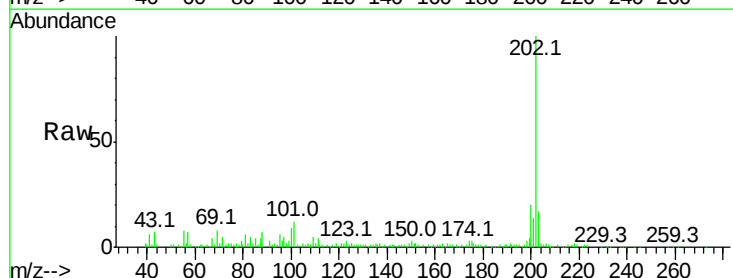
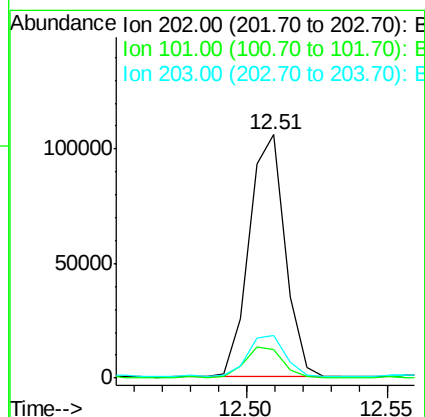
RT: 12.51 min Scan# 1772

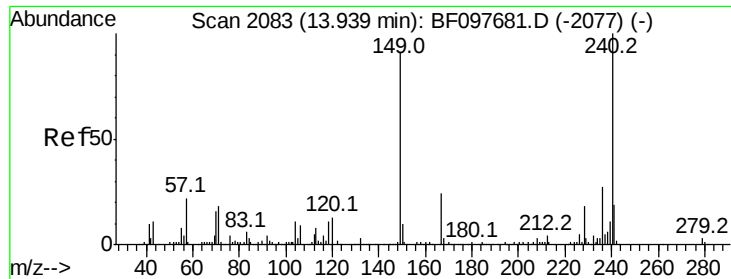
Delta R.T. 0.00 min

Lab File: BF097774.D

Acq: 17 Aug 2017 8:14

Tgt Ion:	202	Resp:	93475
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	33.2
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097774.D

Acq: 17 Aug 2017 8:14

Instrument :

BNA_F

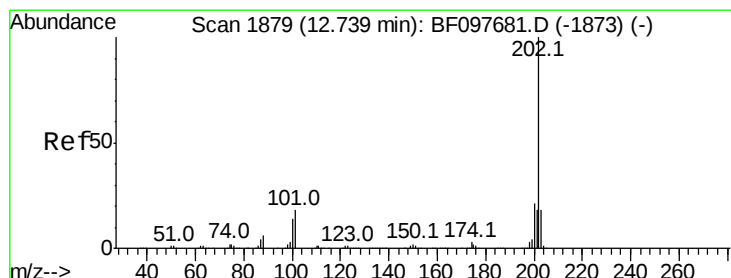
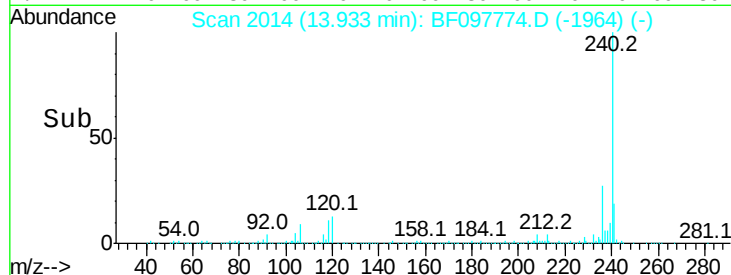
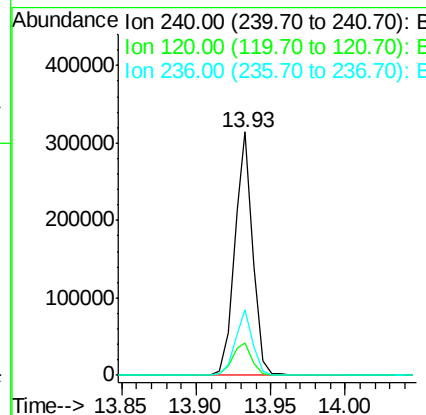
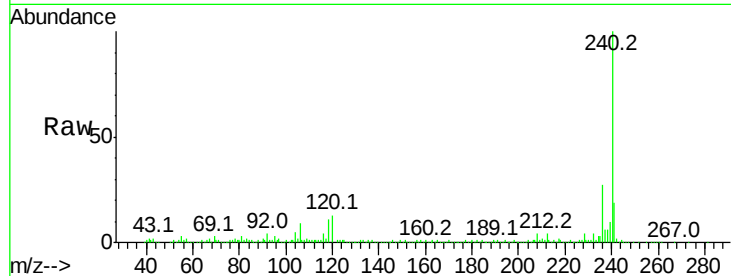
ClientSampleId :

E2-J10-NSW

Tot Ion	Ratio	Resp	Lower	Upper
240	100	268180		
120	13.3	5.8	8.8#	
236	27.0	20.5	30.7	

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#77

Pyrene

Concen: 4.164 ng

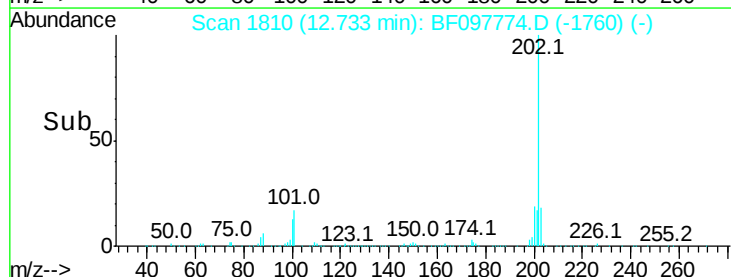
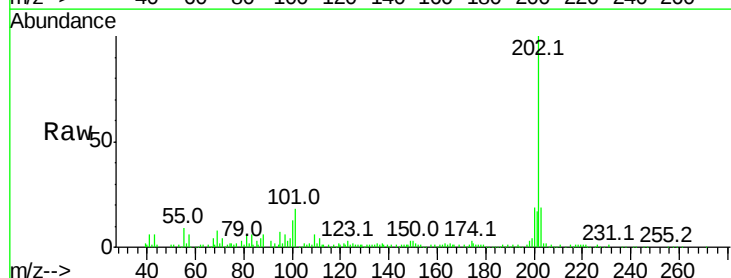
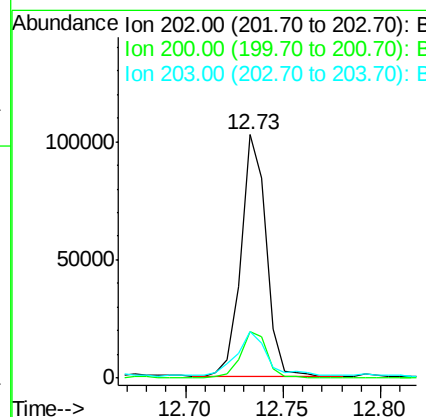
RT: 12.73 min Scan# 1810

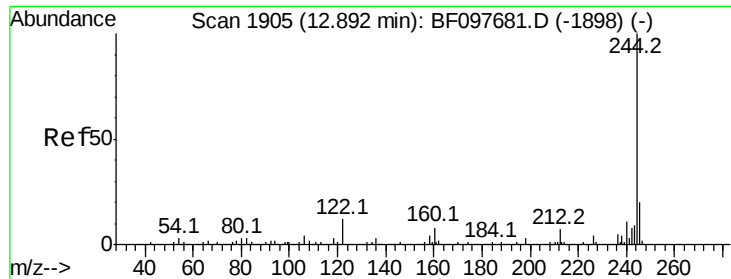
Delta R.T. -0.01 min

Lab File: BF097774.D

Acq: 17 Aug 2017 8:14

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	91336		
200	19.2	17.6	26.4	
203	19.0	14.4	21.6	





#78

Terphenyl-d14

Concen: 36.198 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097774.D

Acq: 17 Aug 2017 8:14

Instrument :

BNA_F

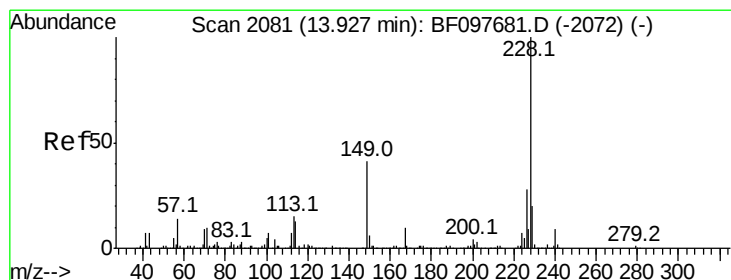
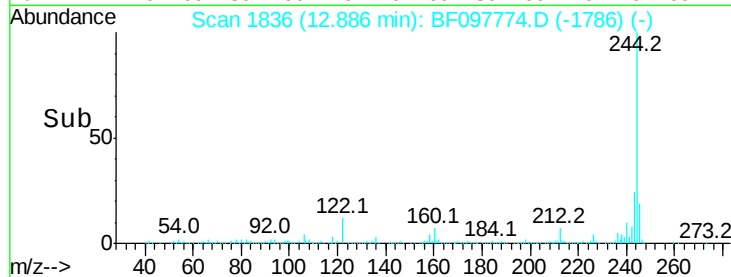
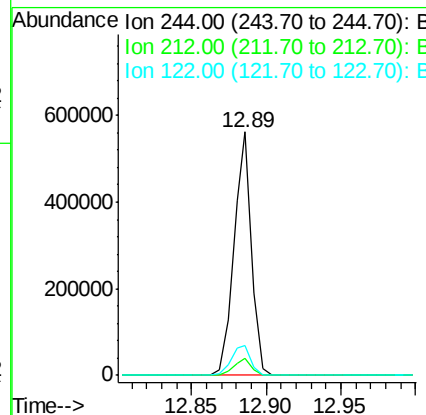
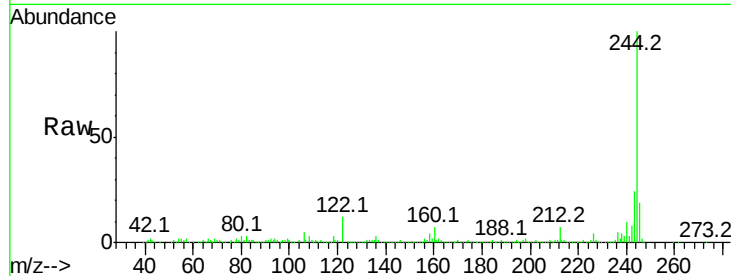
ClientSampleId :

E2-J10-NSW

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	12.1	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 3.003 ng

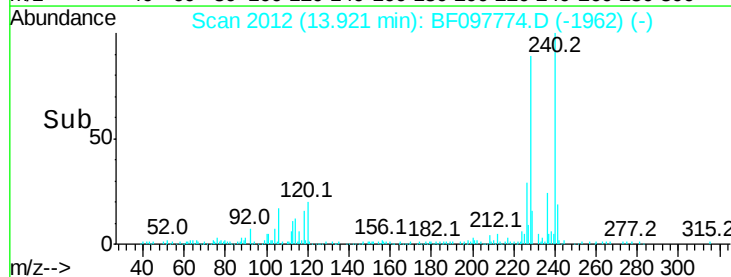
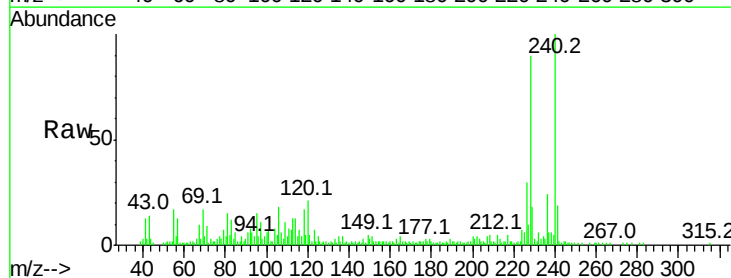
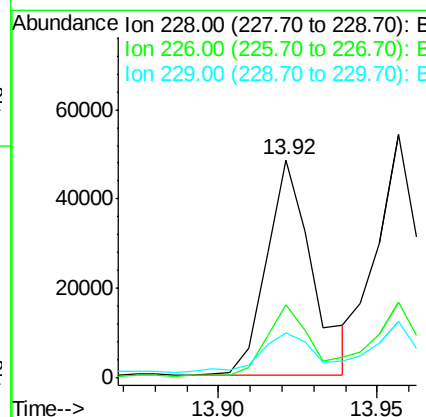
RT: 13.92 min Scan# 2012

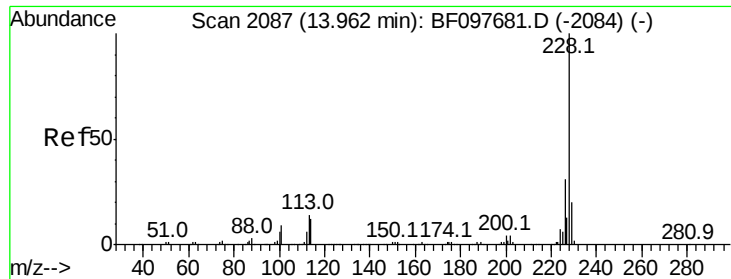
Delta R.T. -0.01 min

Lab File: BF097774.D

Acq: 17 Aug 2017 8:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.6	33.8
229	20.6	16.3	24.5





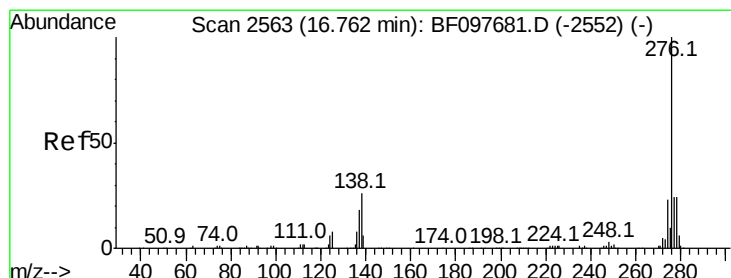
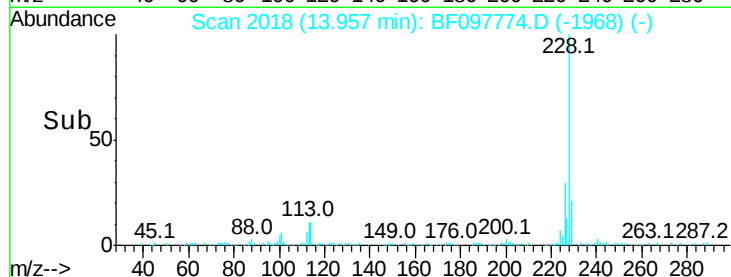
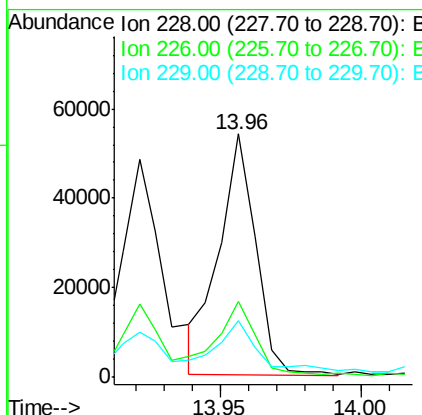
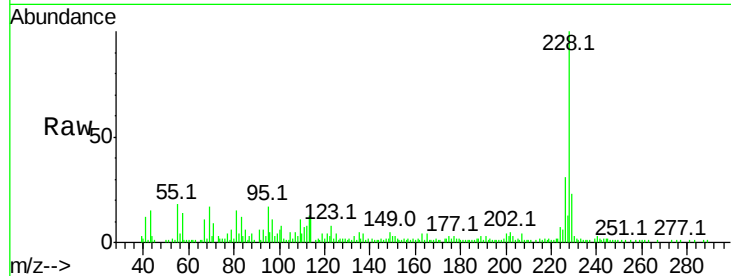
#82
Chrysene
Concen: 3.061 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF097774.D
Acq: 17 Aug 2017 8:14

Instrument :
BNA_F
ClientSampleId :
E2-J10-NSW

Tot Ion:	228	Resp:	48944
Ion Ratio	Lower	Upper	
228	100		
226	31.3	24.9	37.3
229	23.4	15.8	23.6

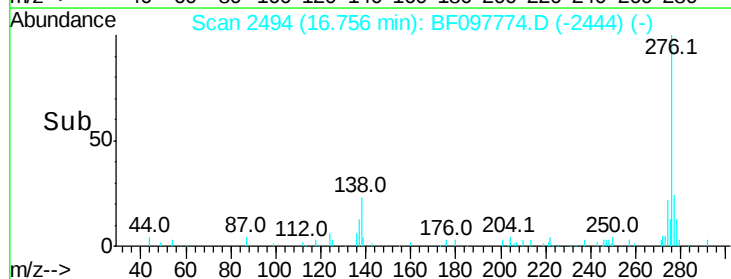
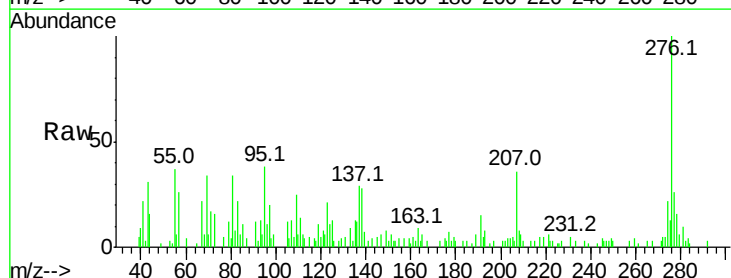
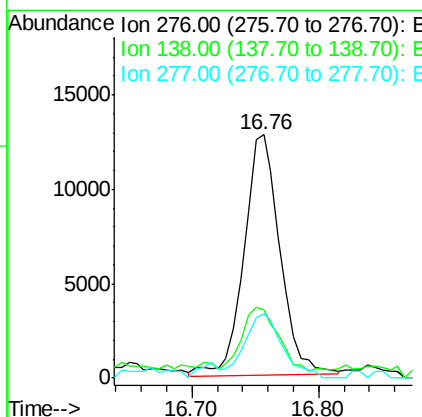
Manual Integrations
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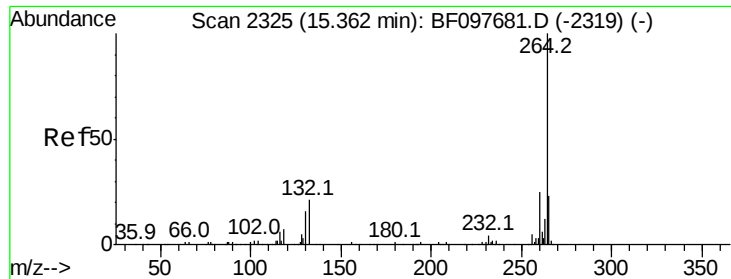
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.147 ng
RT: 16.76 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF097774.D
Acq: 17 Aug 2017 8:14

Tgt Ion:	276	Resp:	25254
Ion Ratio	Lower	Upper	
276	100		
138	24.1	27.8	41.6#
277	28.4	20.2	30.4





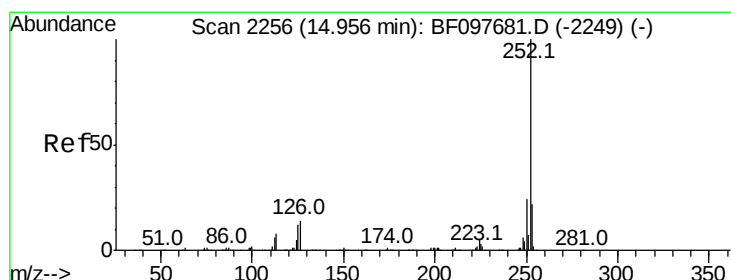
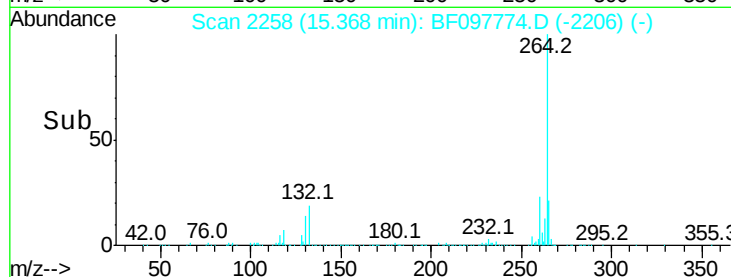
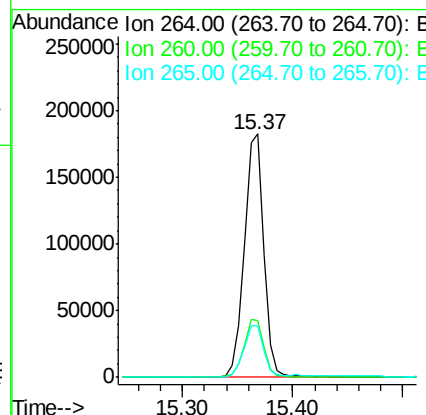
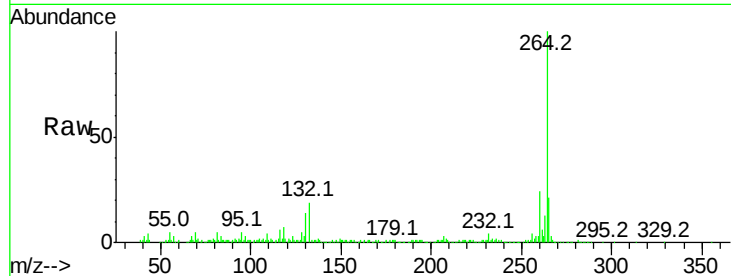
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF097774.D
Acq: 17 Aug 2017 8:14

Instrument :
BNA_F
ClientSampleId :
E2-J10-NSW

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.2	17.2	25.8

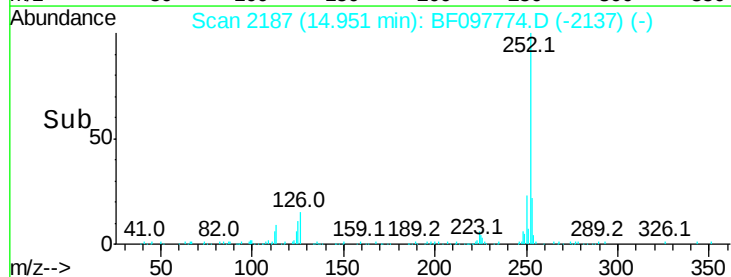
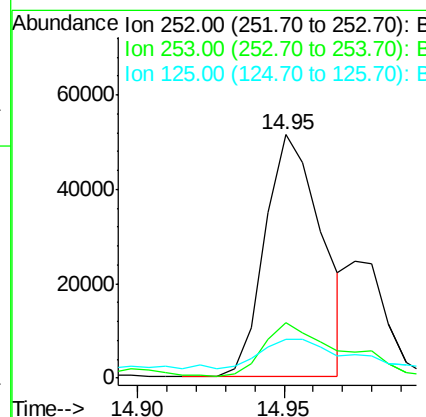
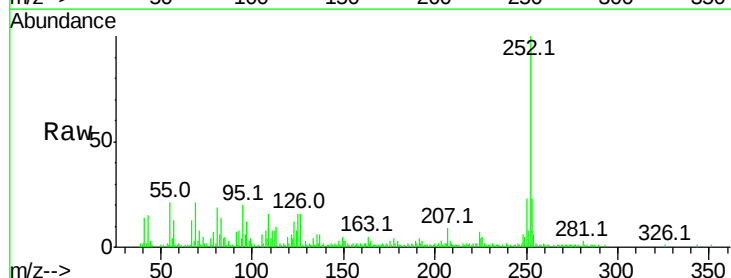
Manual Integrations
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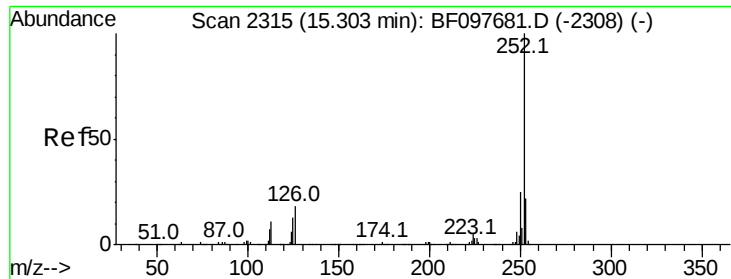
Sohil
8/17/2017 5:58:13 PM



#87
Benzo(b)fluoranthene
Concen: 4.824 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097774.D
Acq: 17 Aug 2017 8:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	15.9	9.8	14.8#





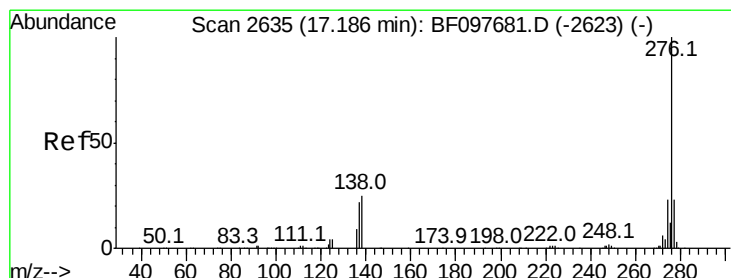
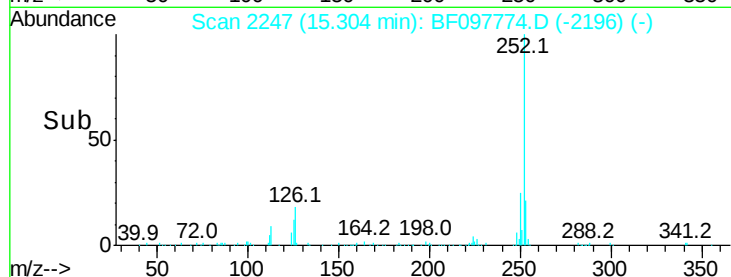
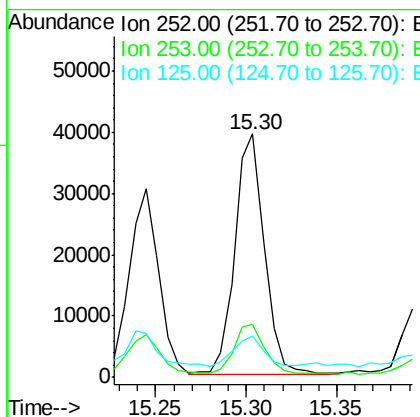
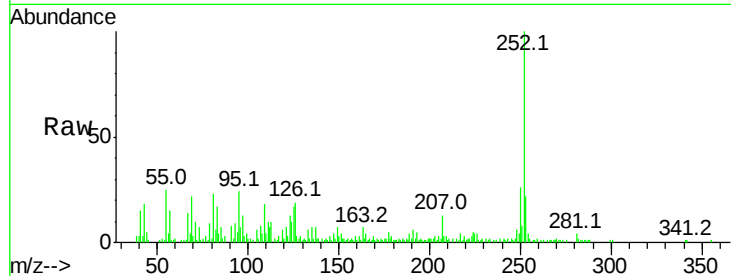
#89
Benzo(a)pyrene
Concen: 3.551 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097774.D
Acq: 17 Aug 2017 8:14

Instrument :
BNA_F
ClientSampled :
E2-J10-NSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	16.8	11.0	16.4

Manual Integrations
APPROVED

Sohil
8/17/2017 5:58:13 PM



#91
Benzo(g,h,i)perylene
Concen: 2.252 ng
RT: 17.17 min Scan# 2565
Delta R.T. -0.01 min
Lab File: BF097774.D
Acq: 17 Aug 2017 8:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.1	18.6	28.0
138	27.1	25.4	38.0

