

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097060.D
 Acq On : 26 Jul 2017 6:34
 Operator : SJ/JU
 Sample : I4370-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-NWSW

Manual Integrations
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 7/26/2017 5:58:37 PM

Quant Time: Jul 26 15:37:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	207841	40.00	ng	0.00
21) Naphthalene-d8	7.78	136	811864	40.00	ng	0.00
38) Acenaphthene-d10	9.53	164	312553	40.00	ng	0.00
63) Phenanthrene-d10	11.00	188	445731	40.00	ng	0.00
75) Chrysene-d12	13.63	240	358091	40.00	ng	0.00
86) Perylene-d12	14.97	264	271103	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	841274	122.04	ng	0.01
7) Phenol-d6	6.17	99	1082072	137.50	ng	0.00
23) Nitrobenzene-d5	7.07	82	582854	84.23	ng	0.00
41) 2,4,6-Tribromophenol	10.32	330	142398	115.33	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	816063	88.62	ng	0.00
78) Terphenyl-d14	12.59	244	477231	54.34	ng	0.00
Target Compounds						
10) Phenol	6.18	94	26770	2.868	ng	96
11) bis(2-Chloroethyl)ether	6.24	93	55795	7.557	ng	89
12) 1,3-Dichlorobenzene	6.44	146	34305	4.319	ng	98
13) 1,4-Dichlorobenzene	6.52	146	59782	7.594	ng	96
14) 1,2-Dichlorobenzene	6.67	146	118385	17.223	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.79	45	54678	3.692	ng	92
49) Dimethylphthalate	9.26	163	100171	8.441	ng	100
70) Phenanthrene	11.02	178	43852	3.672	ng	96
74) Fluoranthene	12.20	202	70946	6.065	ng	97
77) Pyrene	12.43	202	71394	4.871	ng	97
80) Benzo(a)anthracene	13.62	228	34559	2.983	ng	97
82) Chrysene	13.64	228	33752m	2.984	ng	
87) Benzo(b)fluoranthene	14.62	252	36731m	4.508	ng	
89) Benzo(a)pyrene	14.92	252	26464	3.549	ng	# 94

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

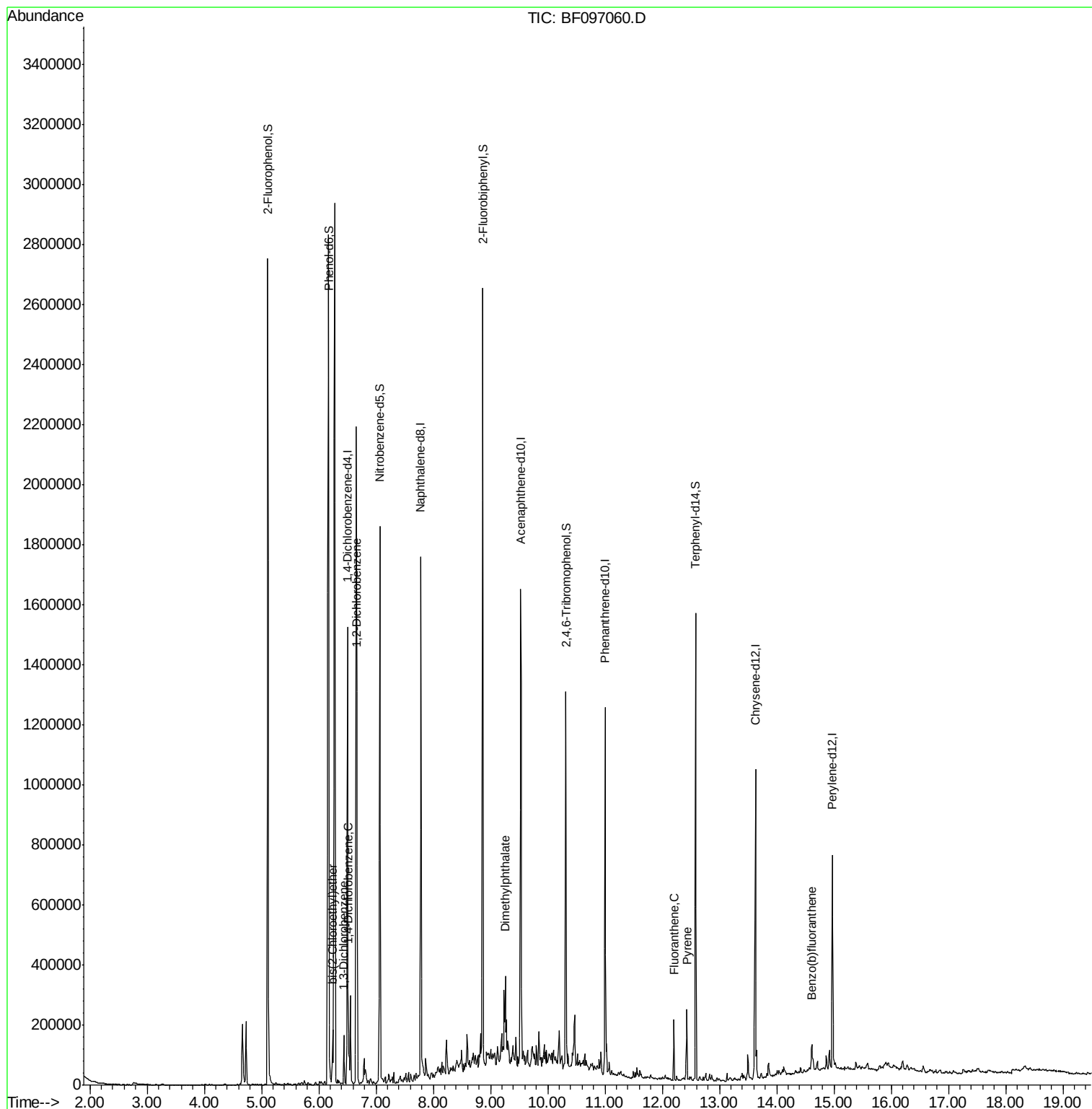
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097060.D
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Misc :
ALS Vial : 34 Sample Multiplier: 2

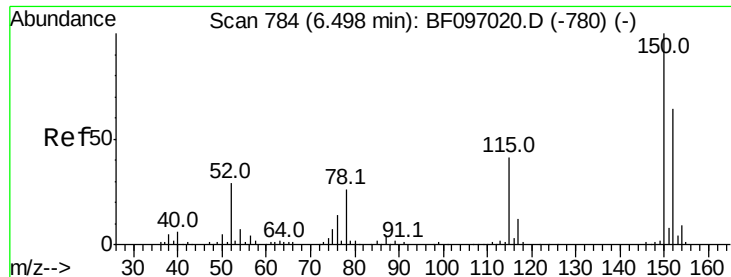
Instrument :
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E2-N5-NWSW

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#1

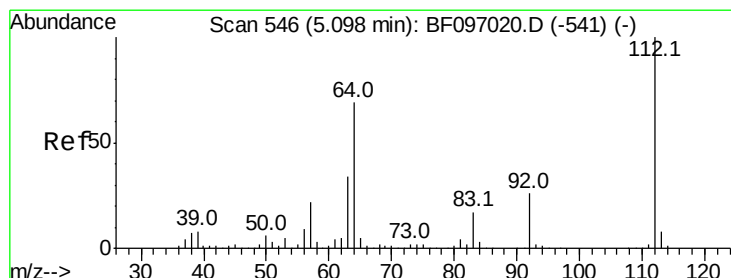
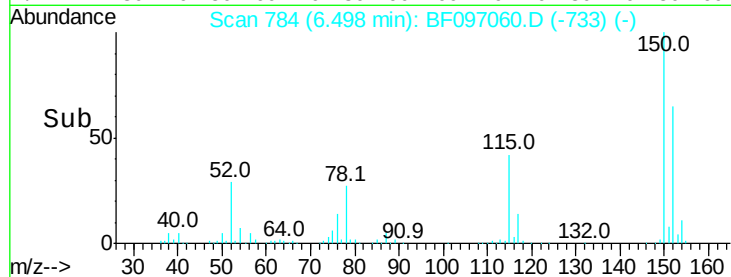
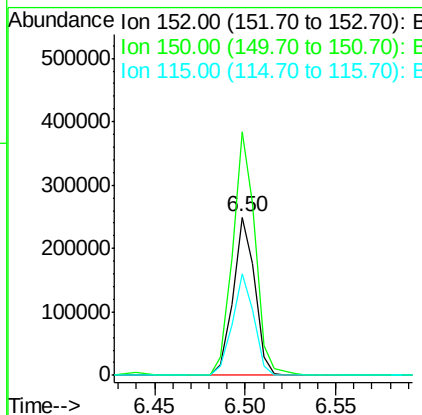
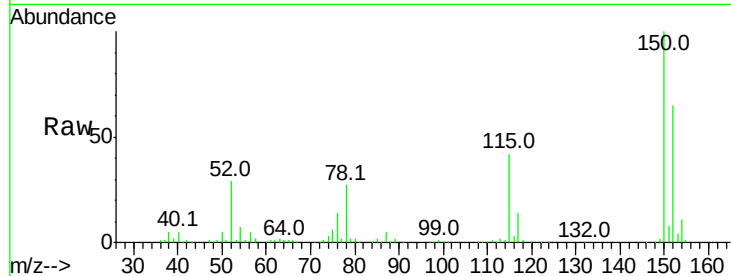
1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097060.D
Acq: 26 Jul 2017 6:34

Instrument :
BNA_F
ClientSampled :
E2-N5-NWSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	126.2	189.2
115	64.2	52.2	78.2

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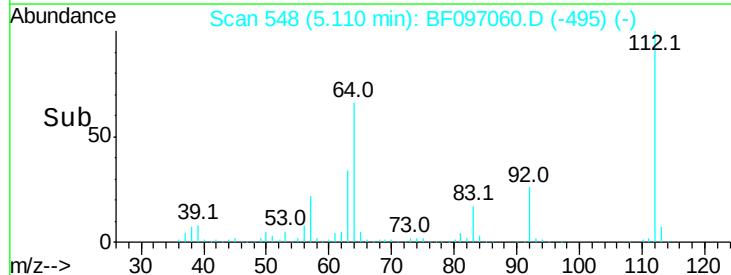
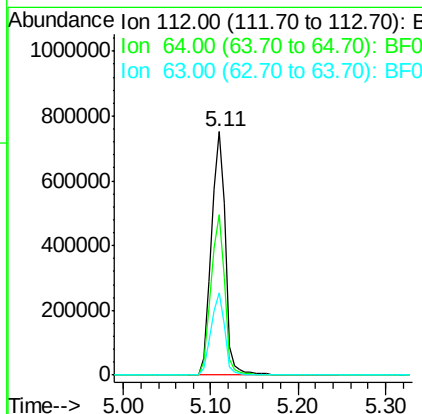
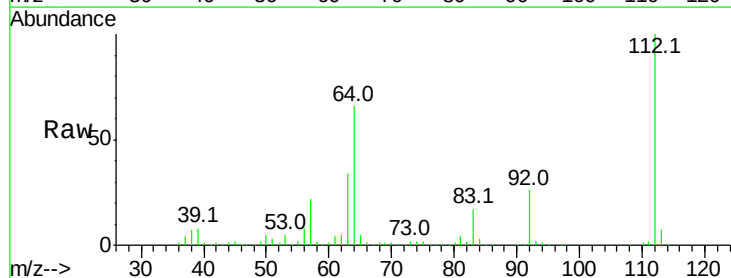
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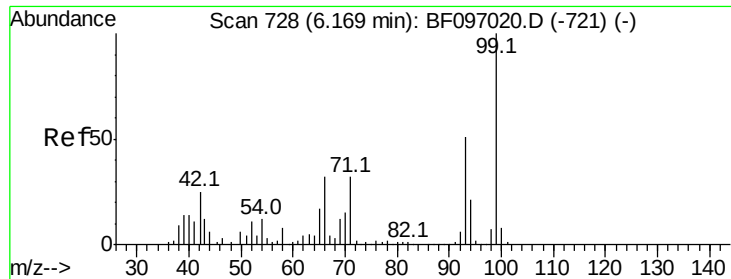


#5

2-Fluorophenol
Concen: 122.037 ng
RT: 5.11 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF097060.D
Acq: 26 Jul 2017 6:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	46.0	69.0
63	33.8	23.4	35.0





#7

Phenol-d6

Concen: 137.495 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Instrument :

BNA_F

ClientSampleId :

E2-N5-NWSW

Tot Ion: 99 Resp: 1082072

Ion Ratio Lower Upper

99 100

42 23.6 13.5 20.3#

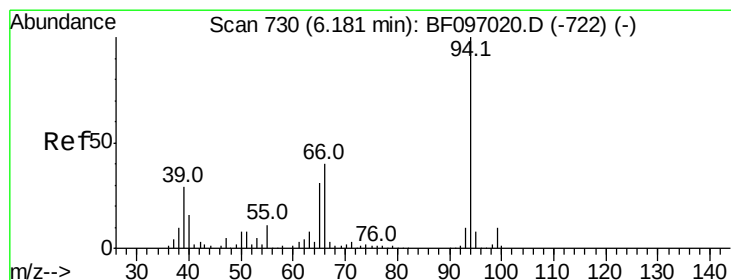
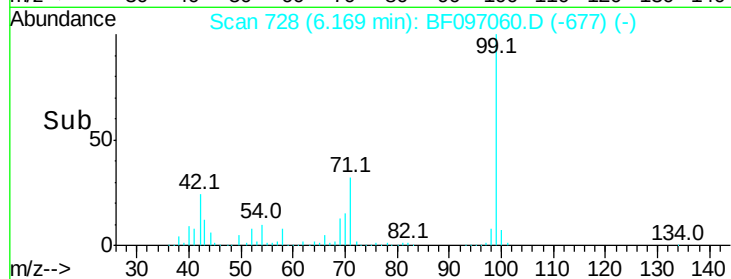
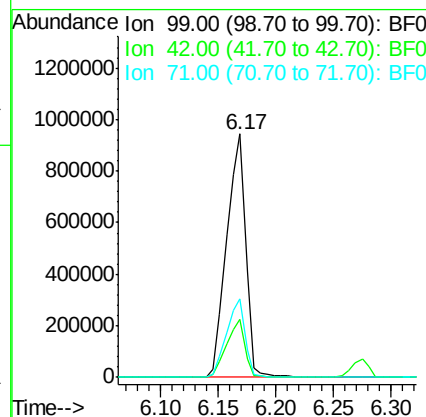
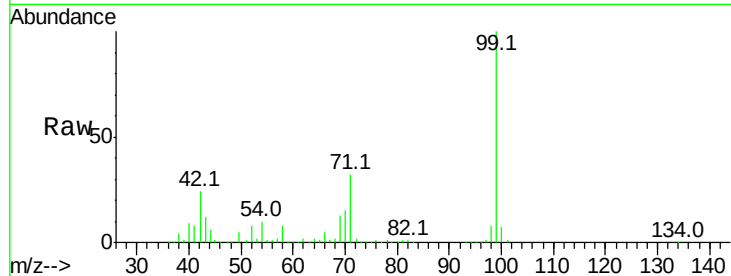
71 32.3 24.5 36.7

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#10

Phenol

Concen: 2.868 ng

RT: 6.18 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

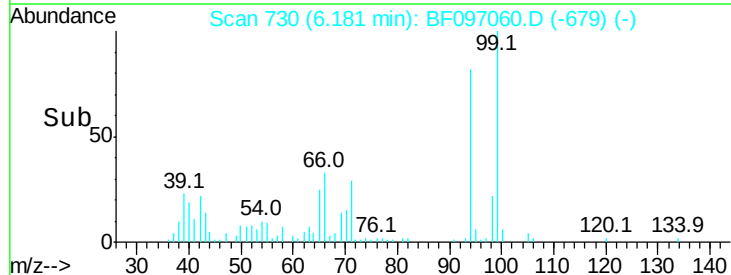
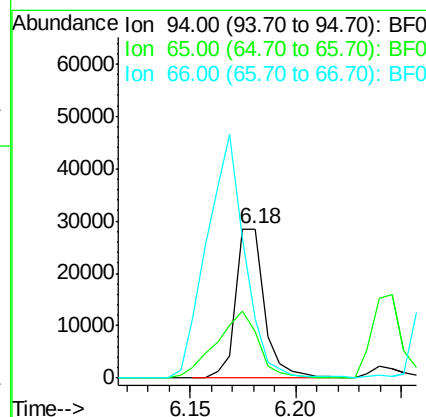
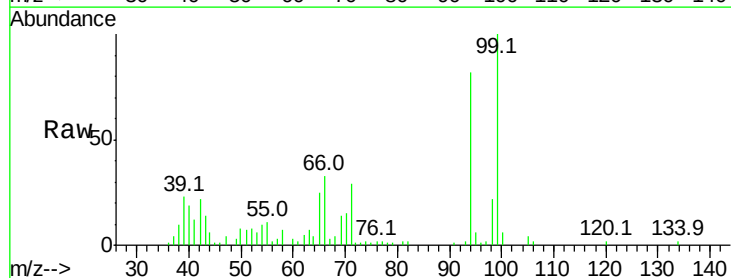
Tgt Ion: 94 Resp: 26770

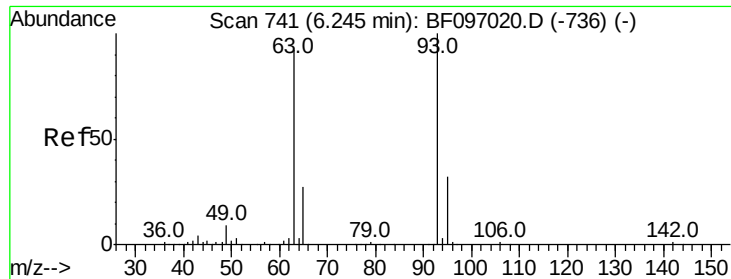
Ion Ratio Lower Upper

94 100

65 30.7 9.9 49.9

66 39.9 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 7.557 ng

RT: 6.24 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Instrument :

BNA_F

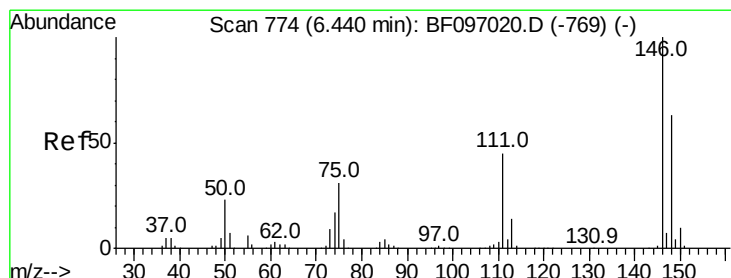
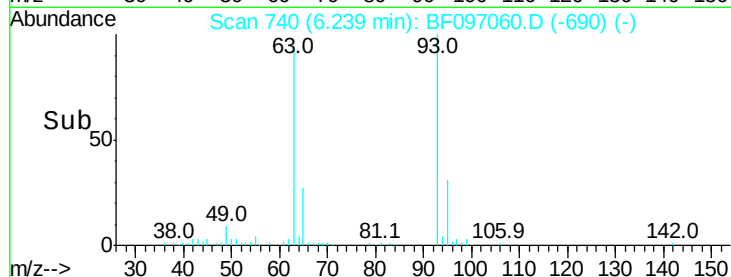
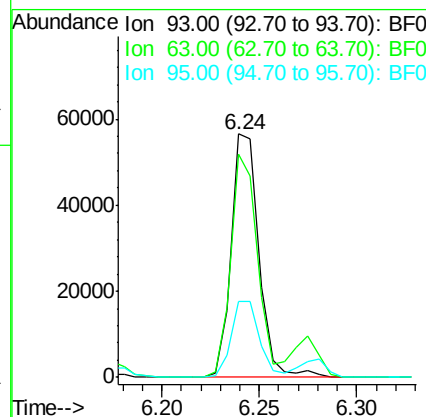
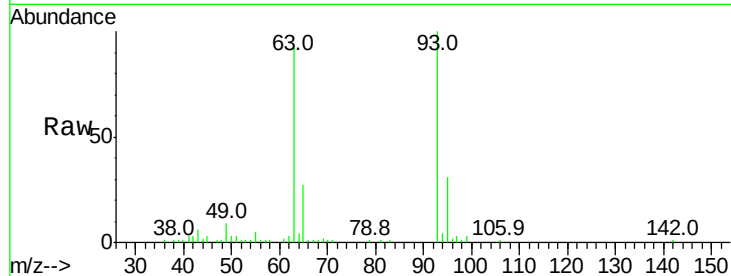
ClientSampleId :

E2-N5-NWSW

Tot Ion:	93	Resp:	55795
Ion	Ratio	Lower	Upper
93	100		
63	91.8	59.2	99.2
95	31.3	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 4.319 ng

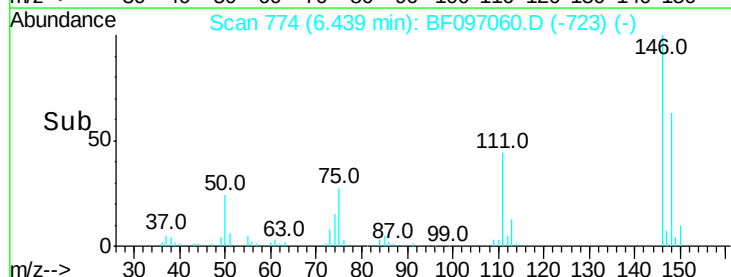
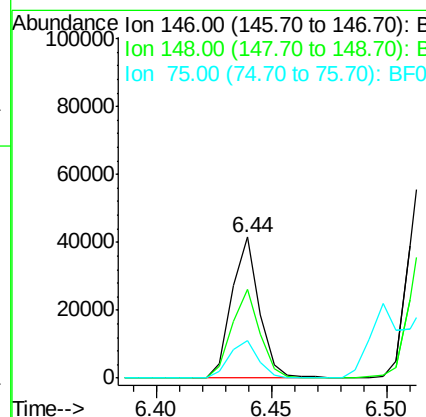
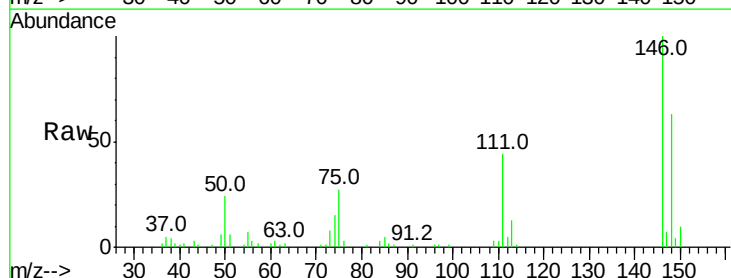
RT: 6.44 min Scan# 774

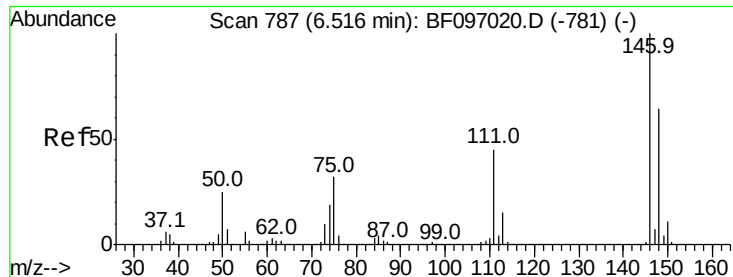
Delta R.T. -0.00 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Tgt Ion:	146	Resp:	34305
Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.8	77.6
75	26.9	23.1	34.7





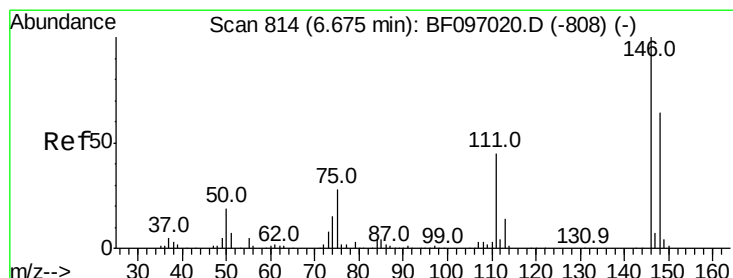
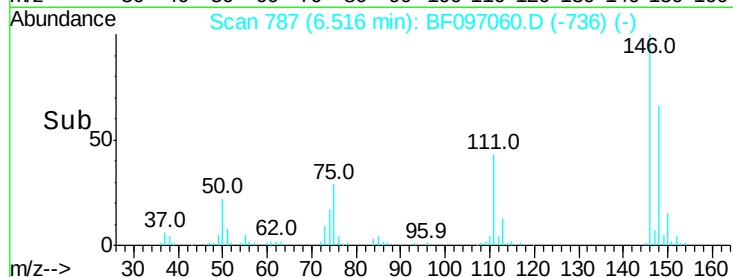
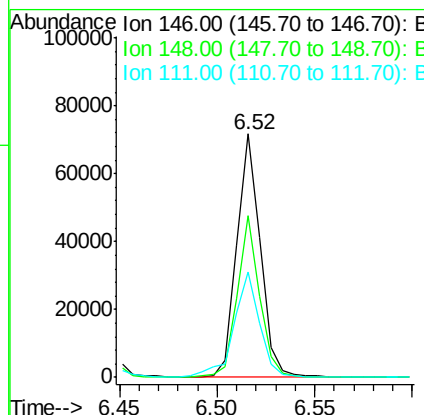
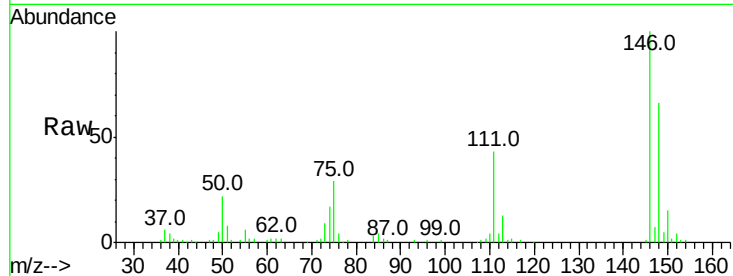
#13
 1,4-Dichlorobenzene
 Concen: 7.594 ng
 RT: 6.52 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF097060.D
 Acq: 26 Jul 2017 6:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-NWSW

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.4	52.2	78.2
111	43.3	30.3	45.5

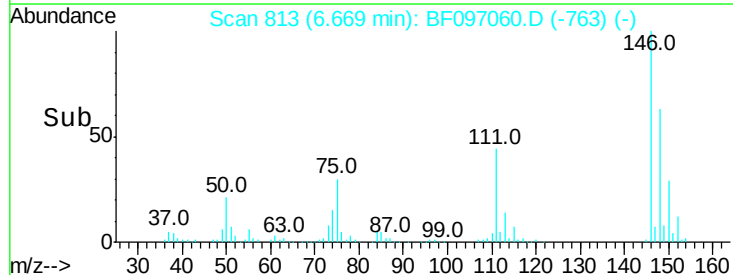
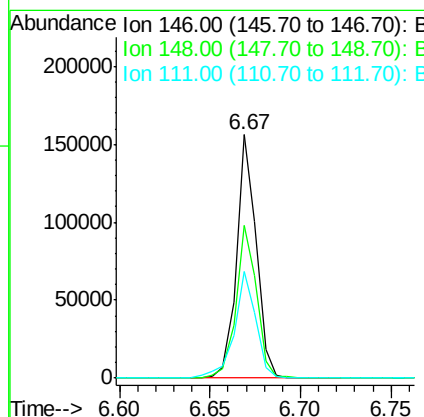
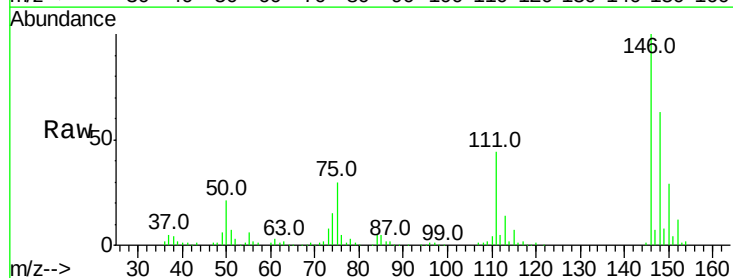
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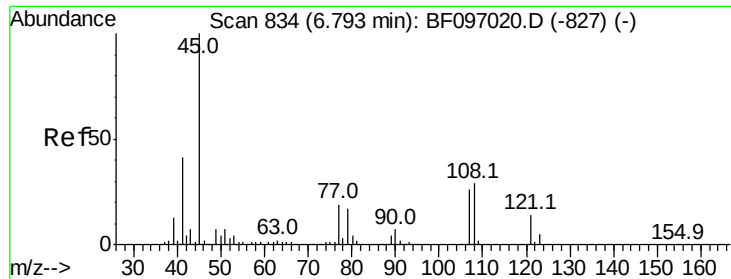
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#14
 1,2-Dichlorobenzene
 Concen: 17.223 ng
 RT: 6.67 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF097060.D
 Acq: 26 Jul 2017 6:34

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.4	75.6
111	43.7	38.2	57.4





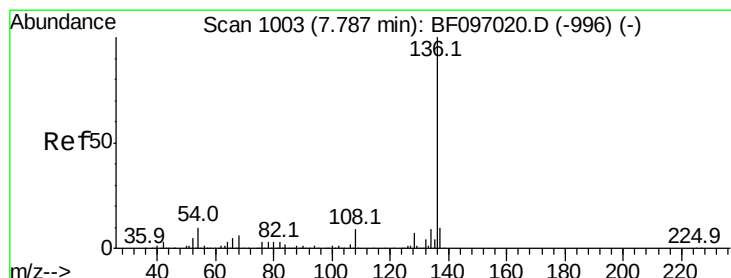
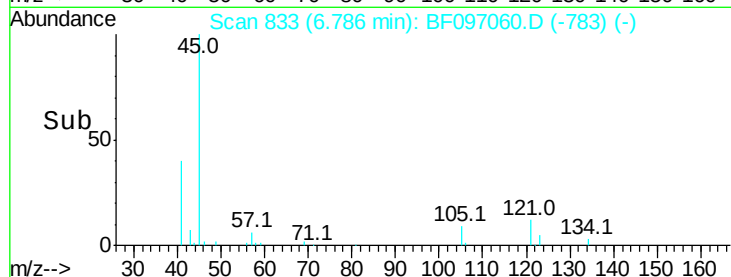
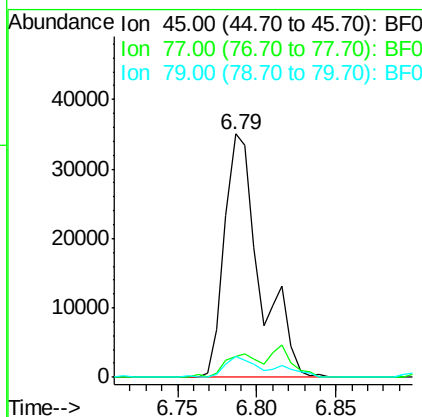
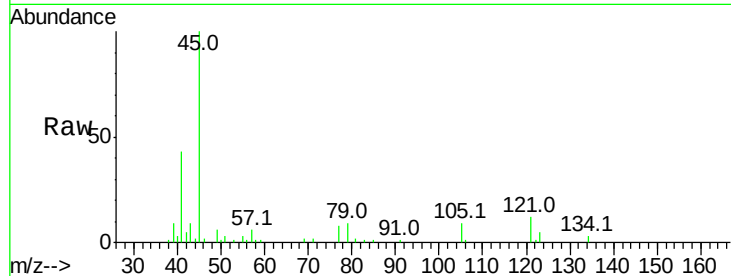
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 3.692 ng
RT: 6.79 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF097060.D
Acq: 26 Jul 2017 6:34

Instrument :
BNA_F
ClientSampleId :
E2-N5-NWSW

Tot Ion	Ratio	Lower	Upper
45	100		
77	8.4	0.0	33.2
79	8.7	0.0	30.0

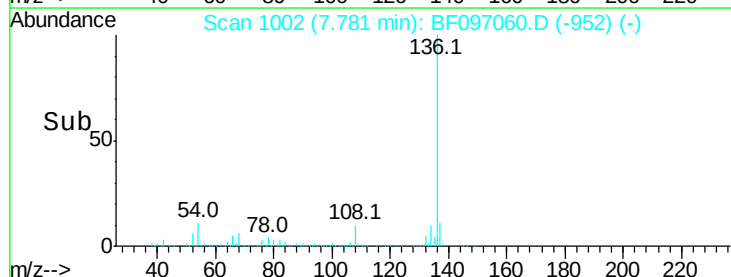
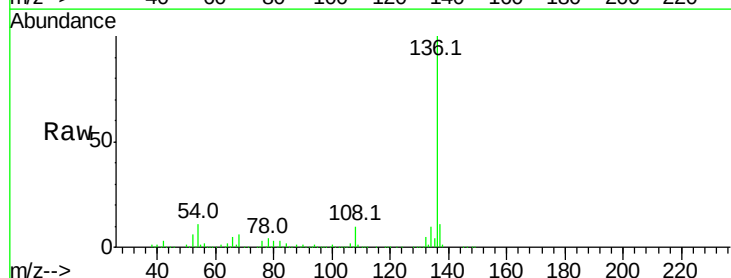
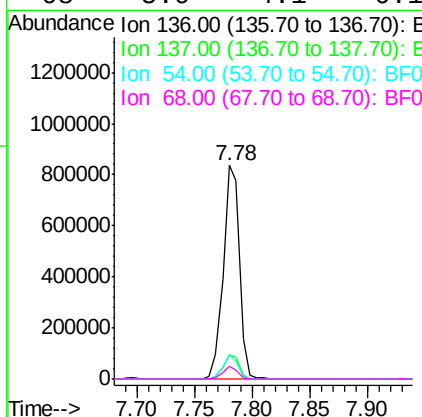
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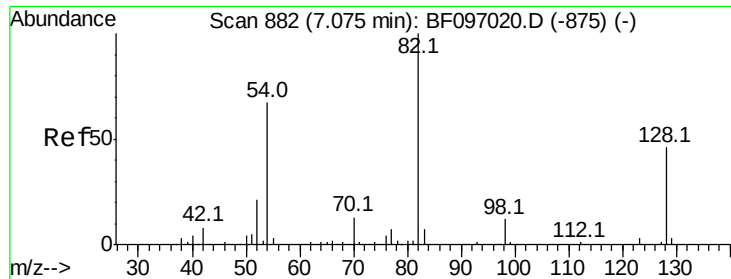
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#21
Naphthalene-d8
Concen: 40.000 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097060.D
Acq: 26 Jul 2017 6:34

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	11.2	4.9	7.3#
68	5.9	4.1	6.1





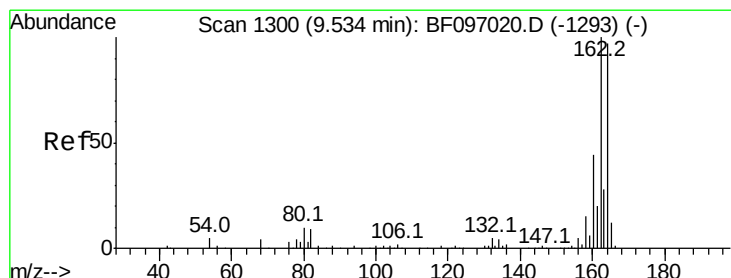
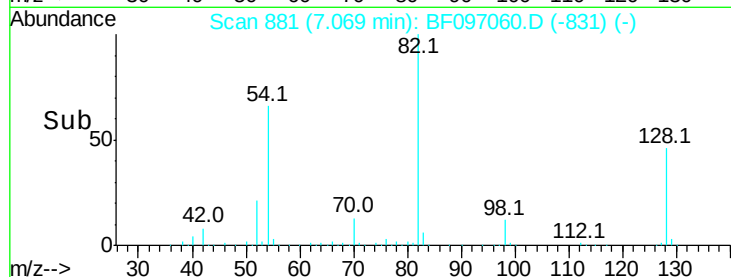
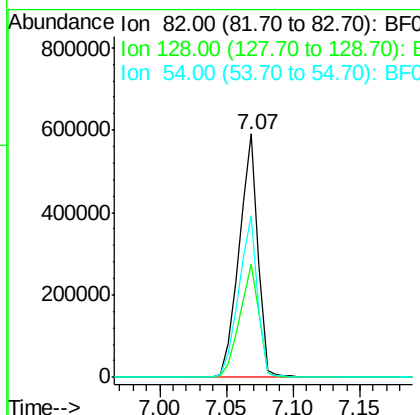
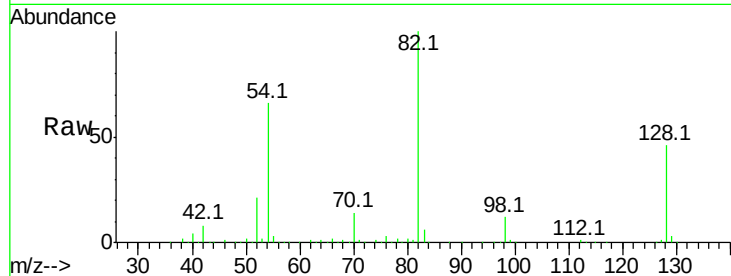
#23
 Nitrobenzene-d5
 Concen: 84.232 ng
 RT: 7.07 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF097060.D
 Acq: 26 Jul 2017 6:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-NWSW

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.0	51.0
54	66.3	42.2	63.2

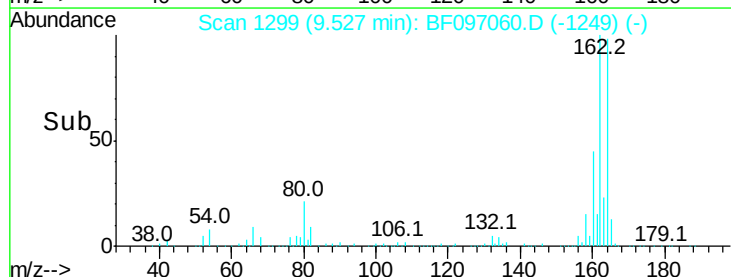
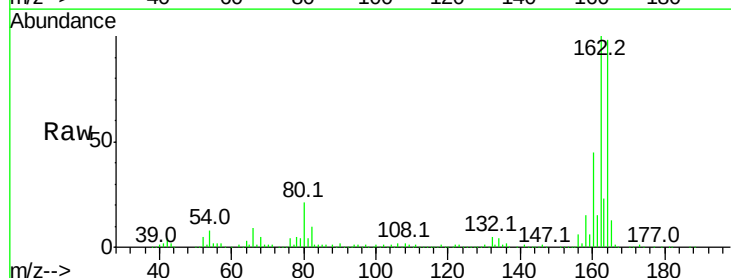
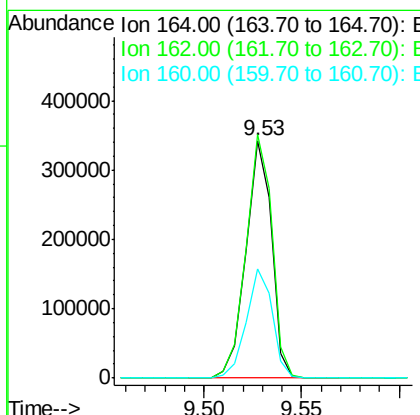
Manual Integrations
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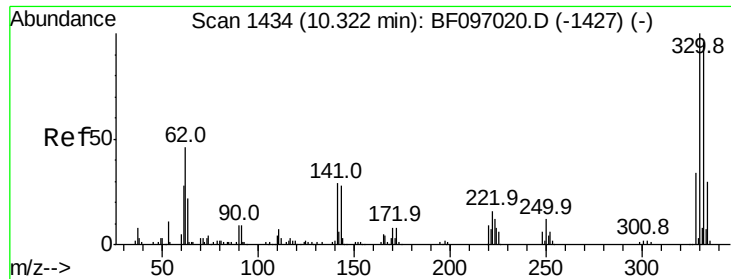
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#38
 Acenaphthene-d10
 Concen: 40.000 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF097060.D
 Acq: 26 Jul 2017 6:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.6	123.8
160	46.0	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 115.327 ng

RT: 10.32 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Instrument :

BNA_F

ClientSampleId :

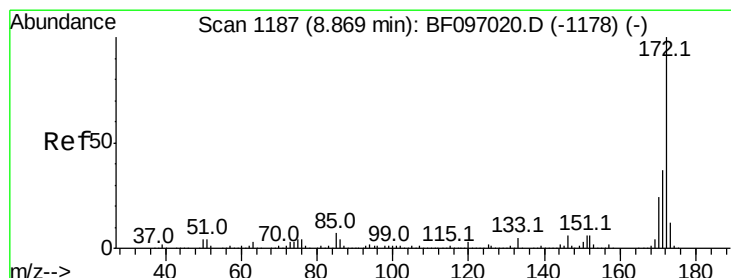
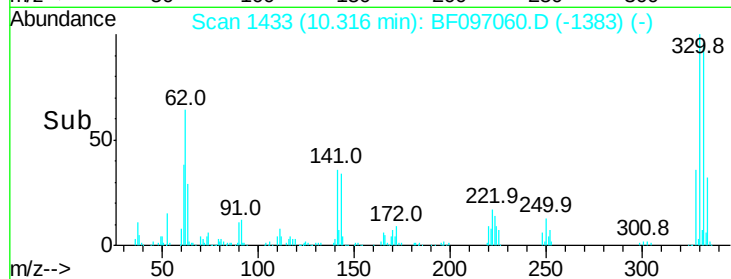
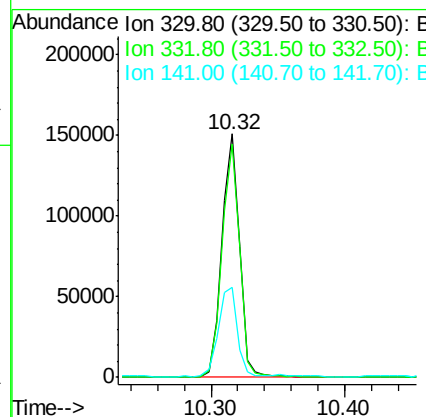
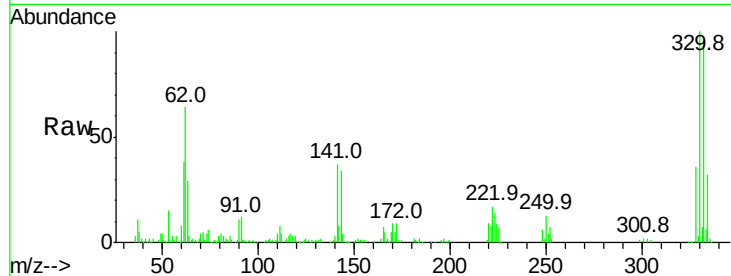
E2-N5-NWSW

Tot Ion:	330	Resp:	142398
Ion Ratio	Lower	Upper	
330	100		
332	95.8	76.6	115.0
141	39.6	31.4	47.2

Manual Integrations
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#44

2-Fluorobiphenyl

Concen: 88.621 ng

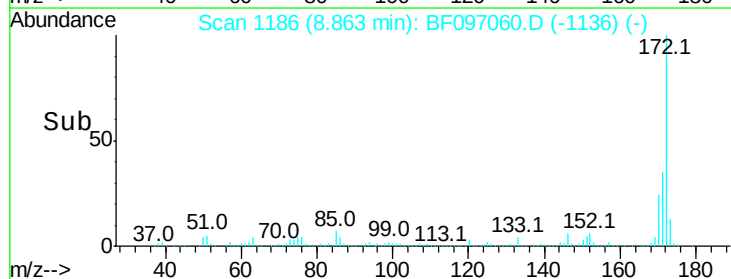
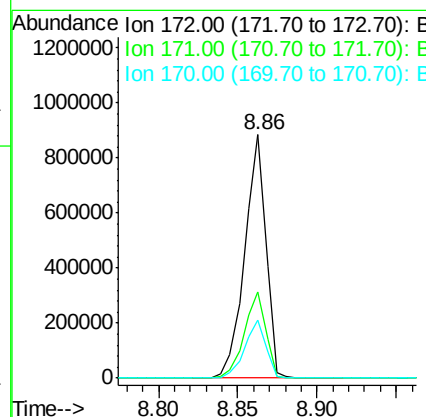
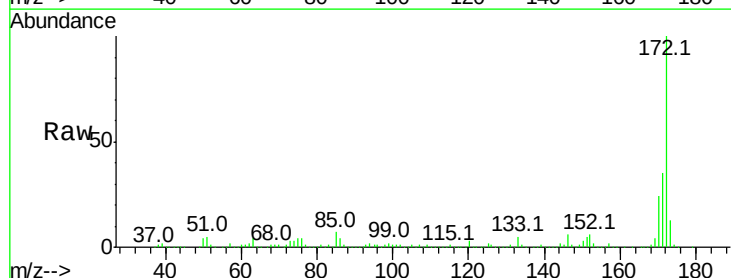
RT: 8.86 min Scan# 1186

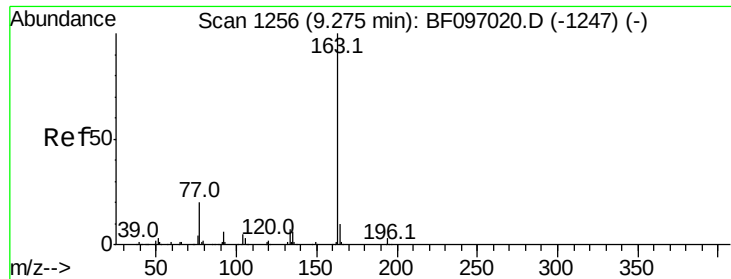
Delta R.T. -0.01 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Tgt Ion:	172	Resp:	816063
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.6	44.4
170	24.1	19.8	29.8





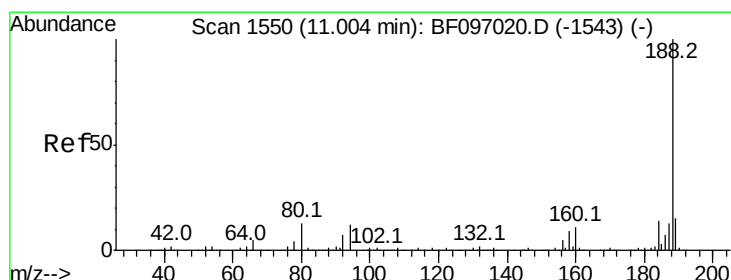
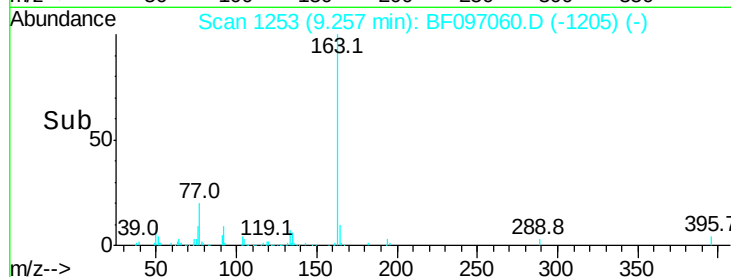
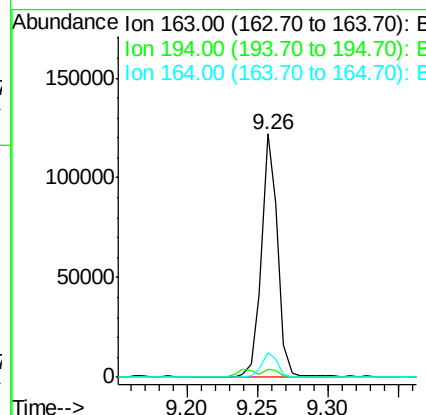
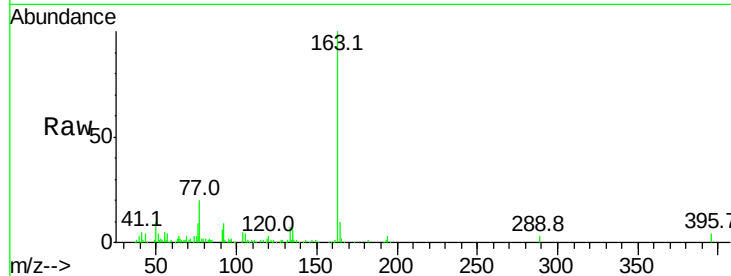
#49
Dimethylphthalate
Concen: 8.441 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097060.D
Acq: 26 Jul 2017 6:34

Instrument :
BNA_F
ClientSampleId :
E2-N5-NWSW

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.3	8.4	12.6

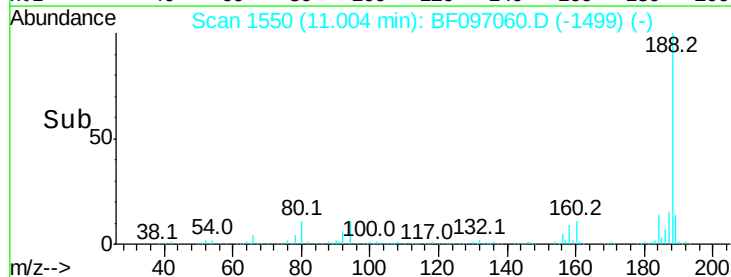
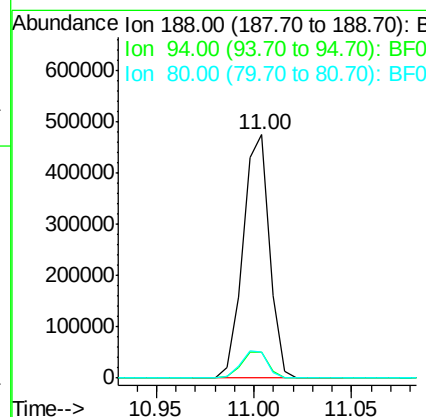
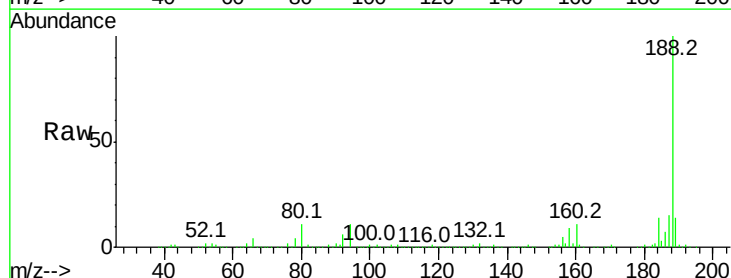
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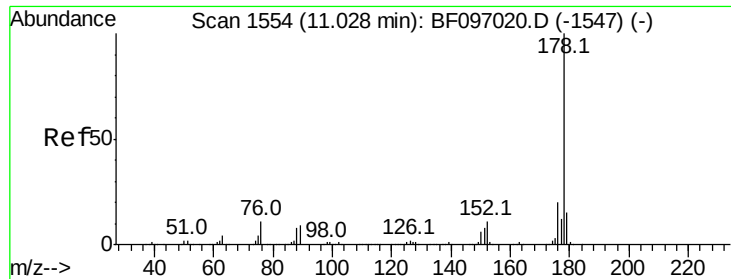
Sohil
7/26/2017 5:58:37 PM



#63
Phenanthrene-d10
Concen: 40.000 ng
RT: 11.00 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF097060.D
Acq: 26 Jul 2017 6:34

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.5	9.4	14.2
80	10.8	10.2	15.2





#70

Phenanthrene

Concen: 3.672 ng

RT: 11.02 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Instrument :

BNA_F

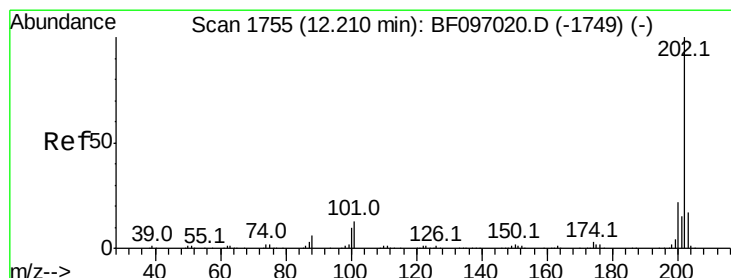
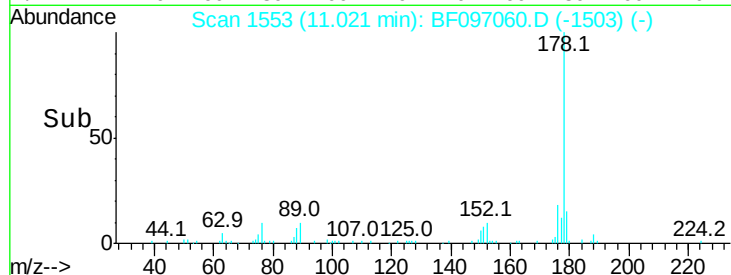
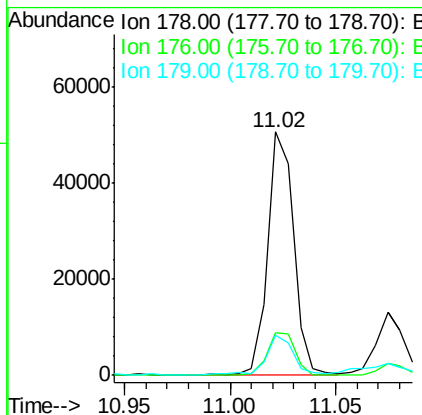
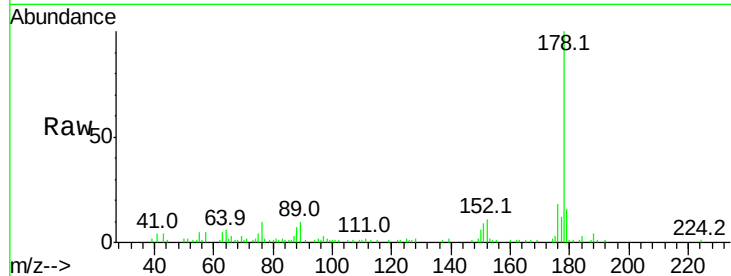
ClientSampleId :

E2-N5-NWSW

Tot Ion:	178	Resp:	43852
Ion Ratio	Lower	Upper	
178	100		
176	17.8	16.2	24.4
179	16.4	12.6	19.0

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#74

Fluoranthene

Concen: 6.065 ng

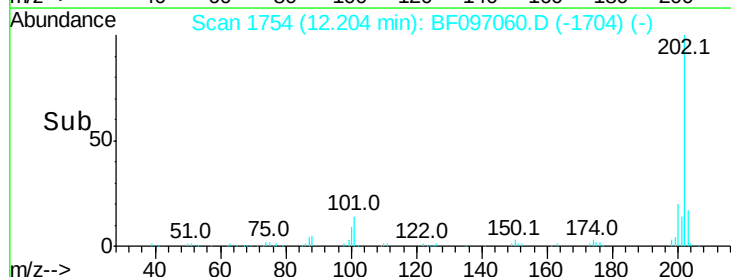
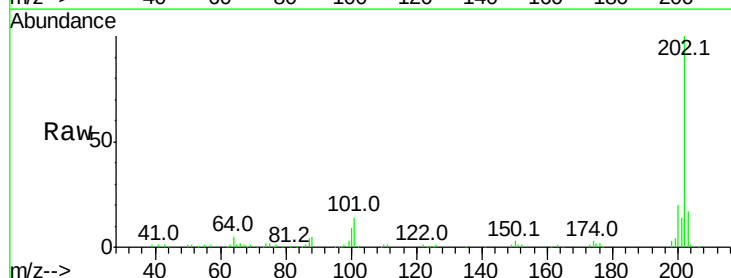
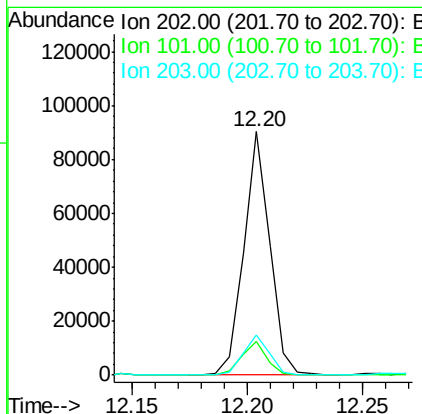
RT: 12.20 min Scan# 1754

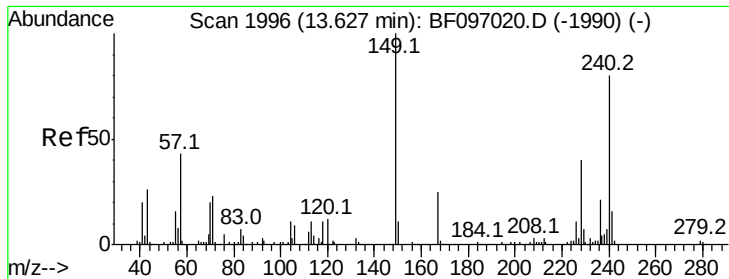
Delta R.T. -0.01 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Tgt Ion:	202	Resp:	70946
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	33.2
203	16.6	0.0	38.1





#75

Chrysene-d12

Concen: 40.000 ng

RT: 13.63 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Instrument :

BNA_F

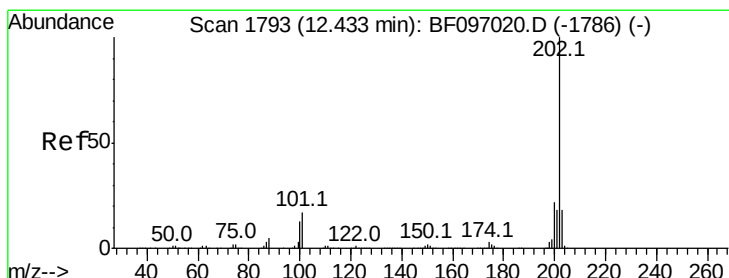
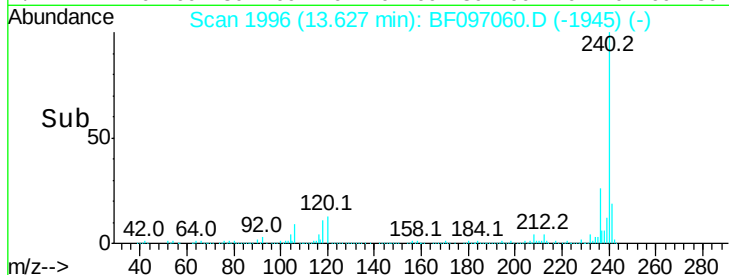
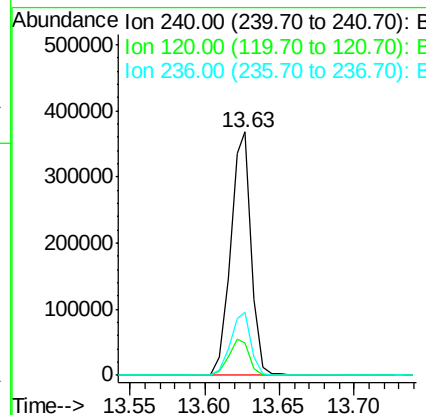
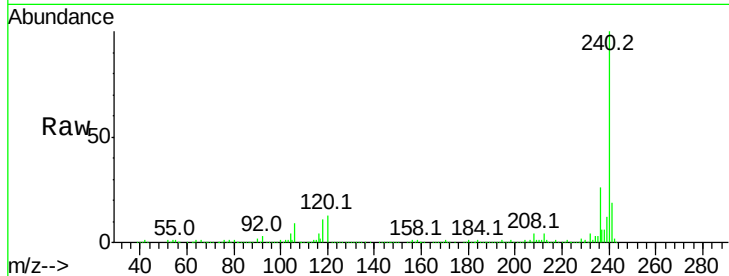
ClientSampleId :

E2-N5-NWSW

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.1	5.8	8.8#	
236	26.0	20.5	30.7	

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#77

Pyrene

Concen: 4.871 ng

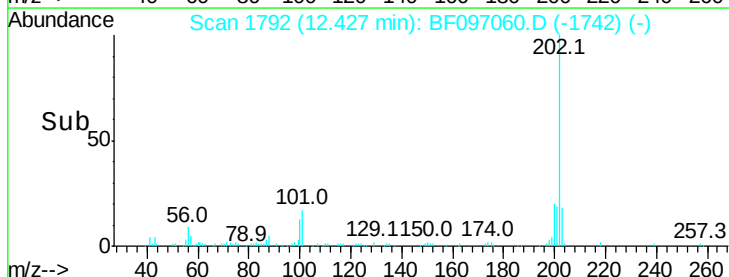
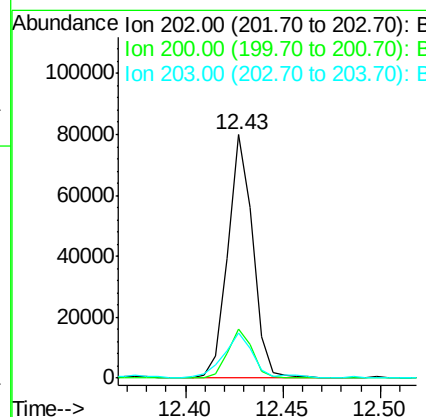
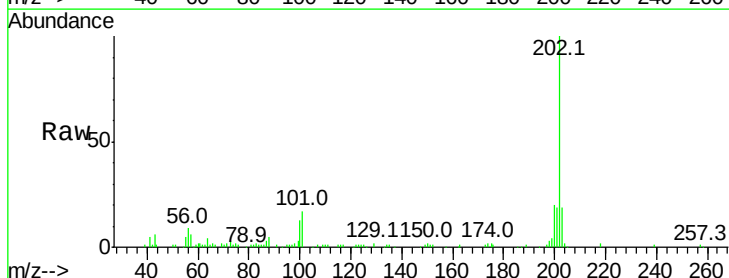
RT: 12.43 min Scan# 1792

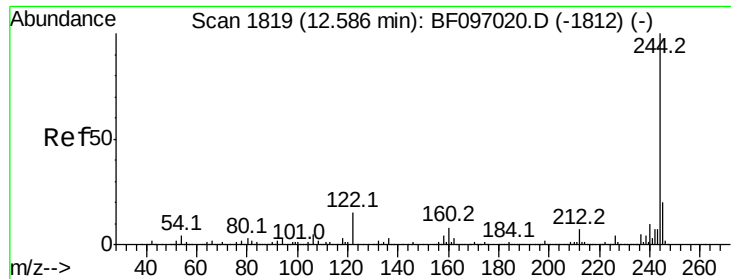
Delta R.T. -0.01 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.3	17.6	26.4	
203	18.6	14.4	21.6	





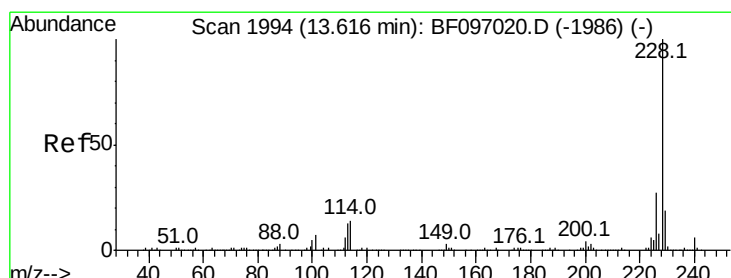
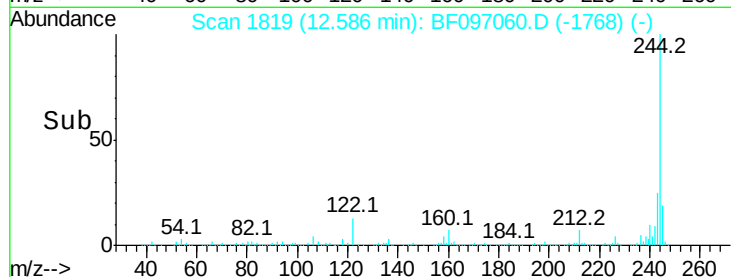
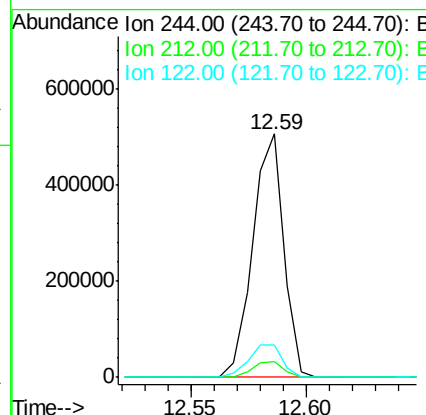
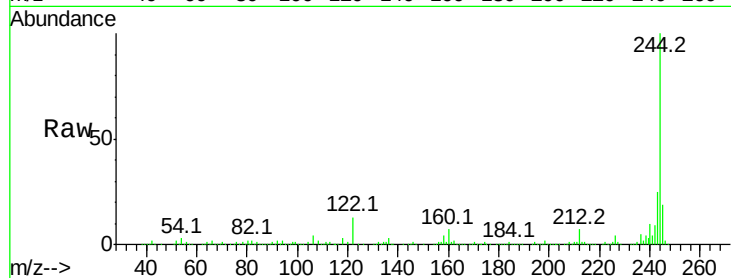
#78
 Terphenyl-d14
 Concen: 54.344 ng
 RT: 12.59 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: BF097060.D
 Acq: 26 Jul 2017 6:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-NWSW

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	13.5	10.3	15.5

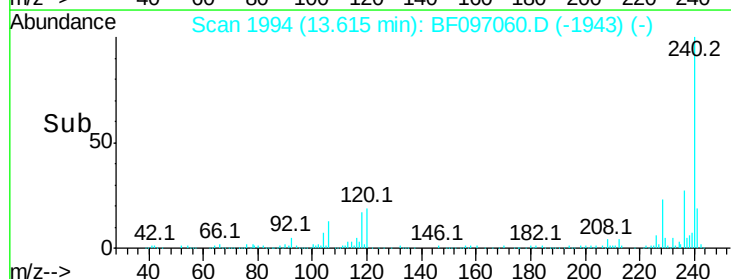
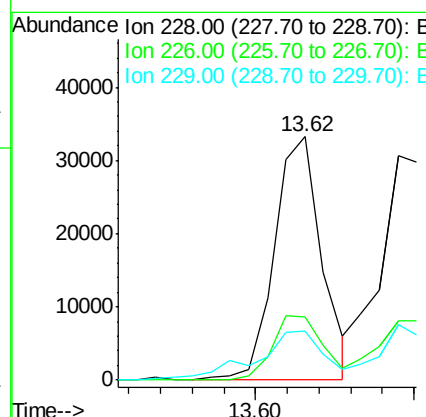
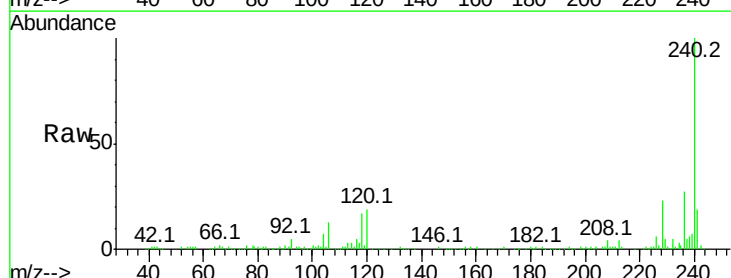
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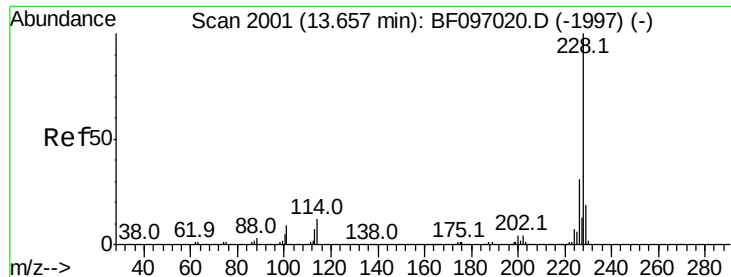
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#80
 Benzo(a)anthracene
 Concen: 2.983 ng
 RT: 13.62 min Scan# 1994
 Delta R.T. -0.00 min
 Lab File: BF097060.D
 Acq: 26 Jul 2017 6:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.9	22.6	33.8
229	20.0	16.3	24.5





#82

Chrysene

Concen: 2.984 ng/mL

RT: 13.64 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Instrument :

BNA_F

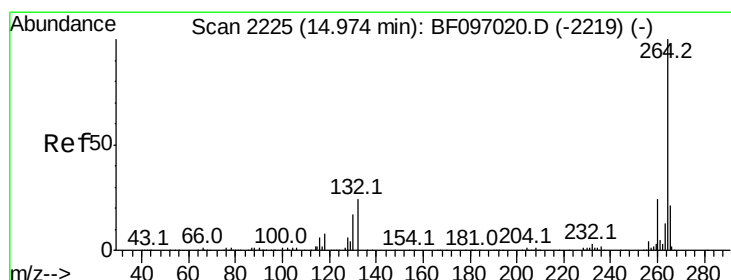
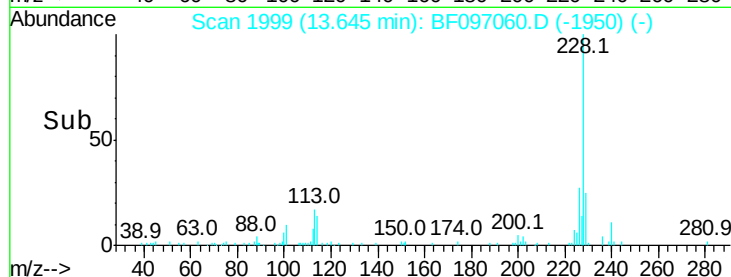
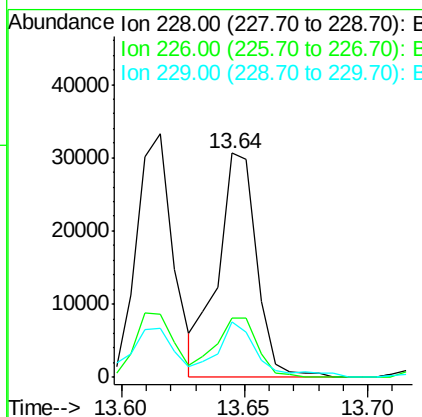
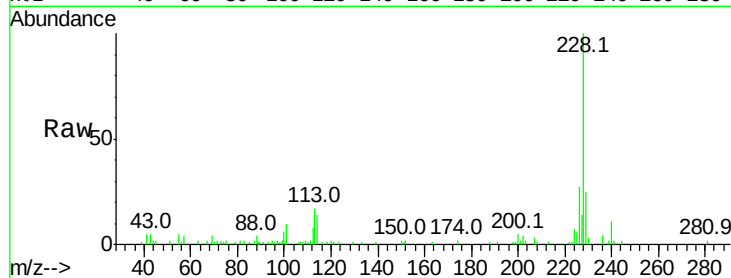
ClientSampleId :

E2-N5-NWSW

Tot Ion:	228	Resp:	33752
Ion Ratio	Lower	Upper	
228	100		
226	26.7	24.9	37.3
229	24.6	15.8	23.6

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#86

Perylene-d12

Concen: 40.000 ng

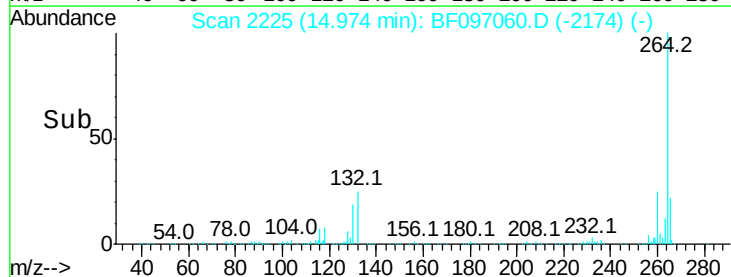
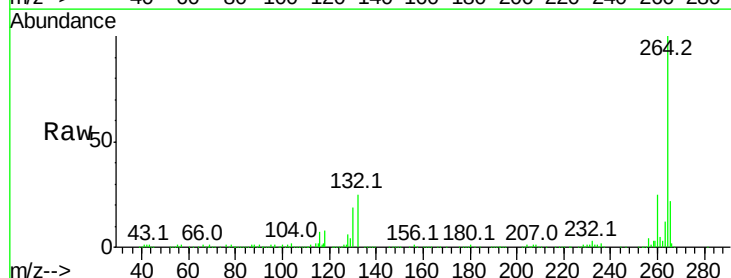
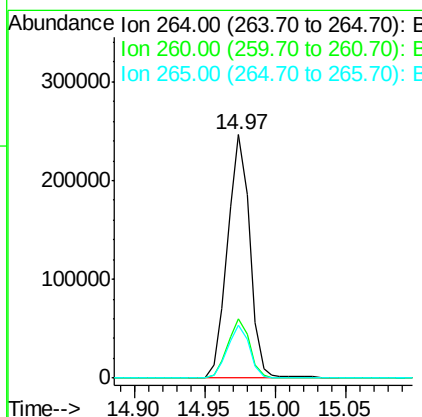
RT: 14.97 min Scan# 2225

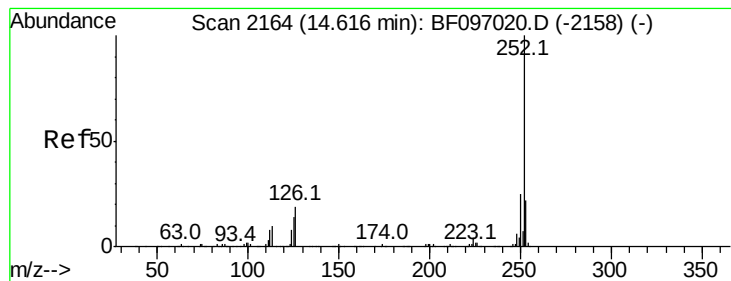
Delta R.T. -0.00 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Tgt Ion:	264	Resp:	271103
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 4.508 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.00 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Instrument :

BNA_F

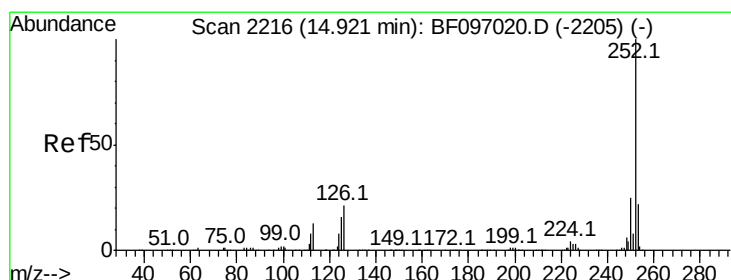
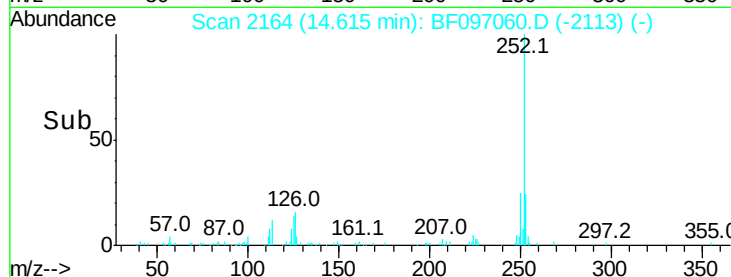
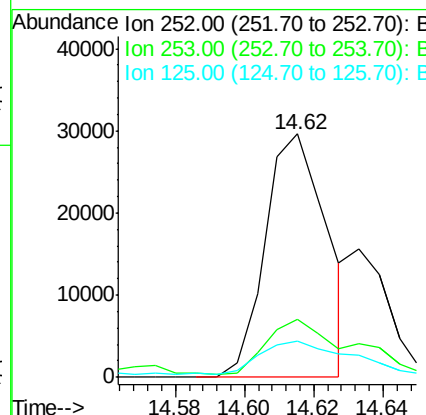
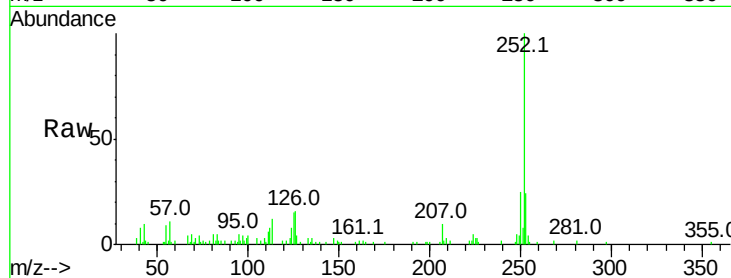
ClientSampleId :

E2-N5-NWSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	15.1	9.8	14.8

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 3.549 ng

RT: 14.92 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BF097060.D

Acq: 26 Jul 2017 6:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	18.1	11.0	16.4

