

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\
 Data File : BF097123.D
 Acq On : 27 Jul 2017 15:33
 Operator : SJ/JU
 Sample : I4421-02DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-SSWDL

Manual Integrations
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 7/28/2017 4:46:46 PM

Quant Time: Jul 27 16:38:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 27 16:02:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	90354	20.00	ng	0.00
21) Naphthalene-d8	7.77	136	331418	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	141508	20.00	ng	0.00
63) Phenanthrene-d10	10.99	188	214438	20.00	ng	0.00
75) Chrysene-d12	13.62	240	181234	20.00	ng	0.00
86) Perylene-d12	14.96	264	156869	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	152578	25.46	ng	0.00
7) Phenol-d6	6.15	99	189214	27.65	ng	0.00
23) Nitrobenzene-d5	7.05	82	121625	21.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.30	330	26102	23.35	ng	0.00
44) 2-Fluorobiphenyl	8.85	172	180800	21.68	ng	0.00
78) Terphenyl-d14	12.57	244	132822	14.94	ng	0.00
Target Compounds						
11) bis(2-Chloroethyl)ether	6.23	93	203098	31.639	ng	Qvalue 91
14) 1,2-Dichlorobenzene	6.66	146	15628	2.615	ng	93
31) Naphthalene	7.79	128	259538	16.613	ng	99
37) 2-Methylnaphthalene	8.49	142	365629	36.964	ng	99
45) 1,1'-Biphenyl	8.95	154	33759	2.793	ng	96
49) Dimethylphthalate	9.25	163	47140	4.387	ng	# 98
51) Acenaphthene	9.55	154	24445	3.040	ng	# 89
54) Dibenzofuran	9.72	168	27397	2.558	ng	# 45
57) Fluorene	10.06	166	33337	4.141	ng	# 83
70) Phenanthrene	11.02	178	37044	3.224	ng	# 93
74) Fluoranthene	12.19	202	43008	3.821	ng	94
77) Pyrene	12.42	202	44261	2.983	ng	97
80) Benzo(a)anthracene	13.60	228	28604	2.439	ng	94
82) Chrysene	13.64	228	25287	2.208	ng	# 93
87) Benzo(b)fluoranthene	14.60	252	37216m	3.947	ng	
89) Benzo(a)pyrene	14.91	252	29085	3.370	ng	# 89

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

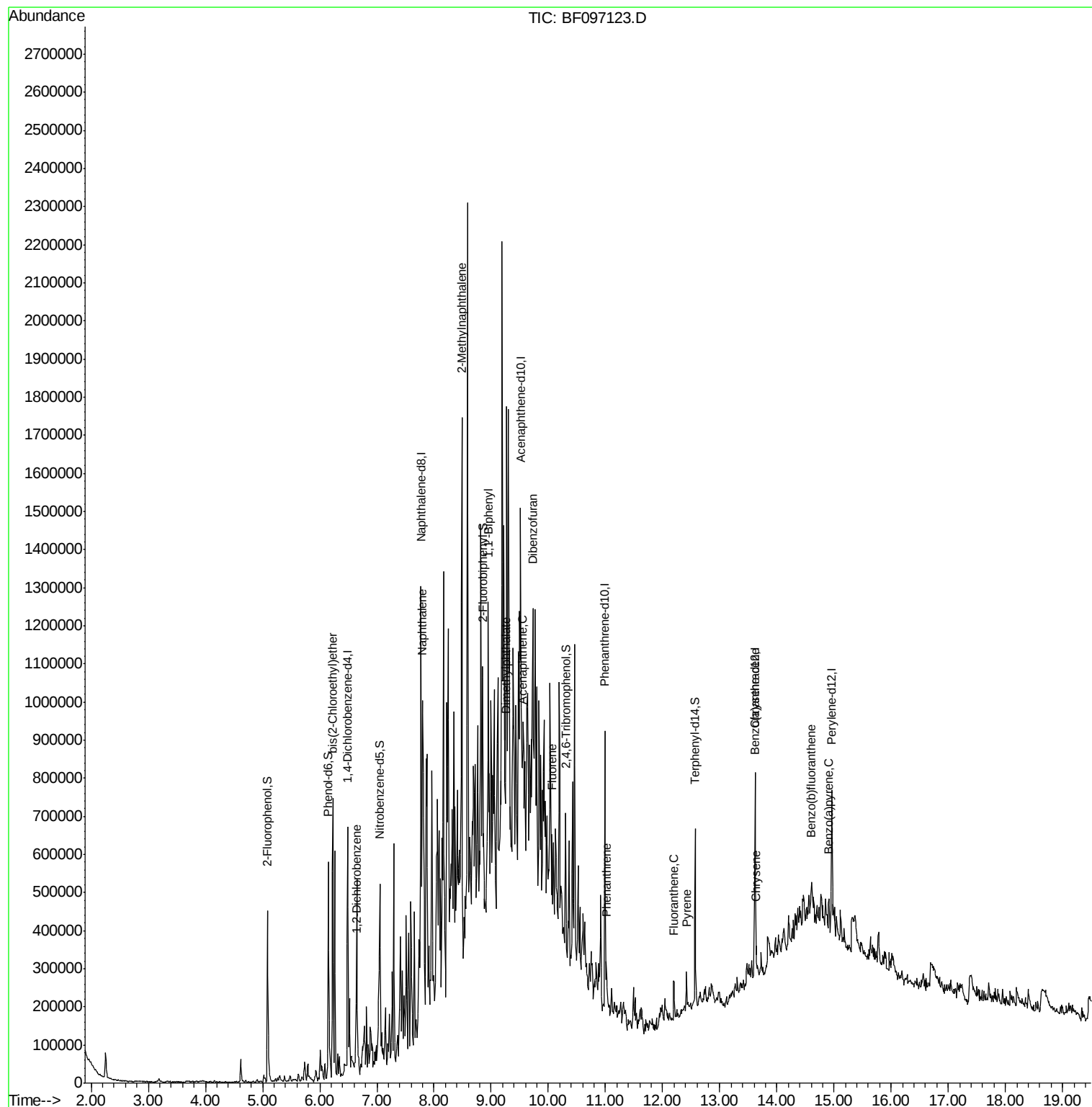
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\
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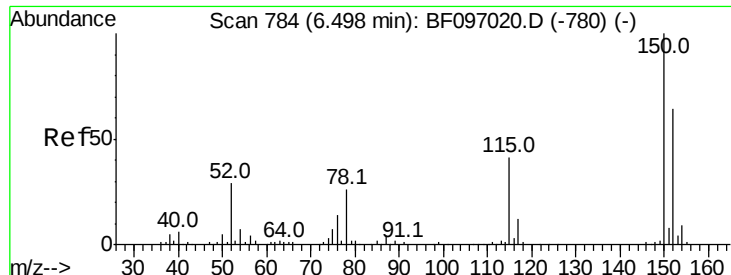
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#1

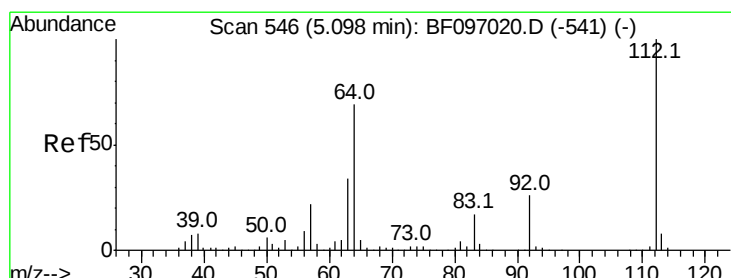
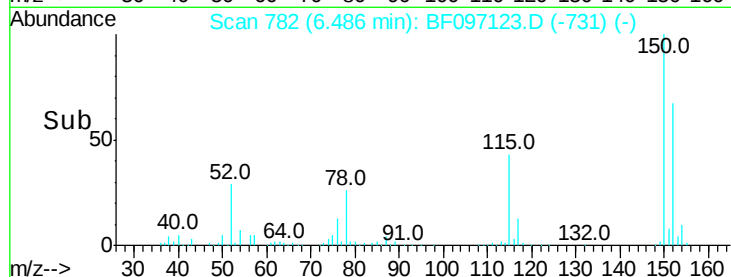
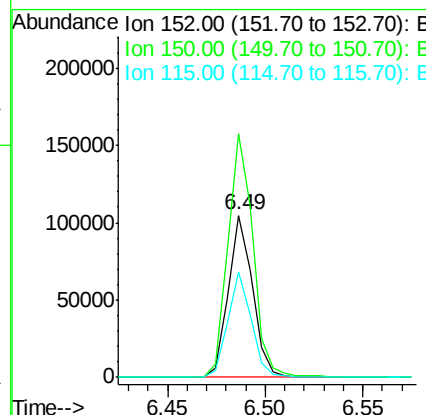
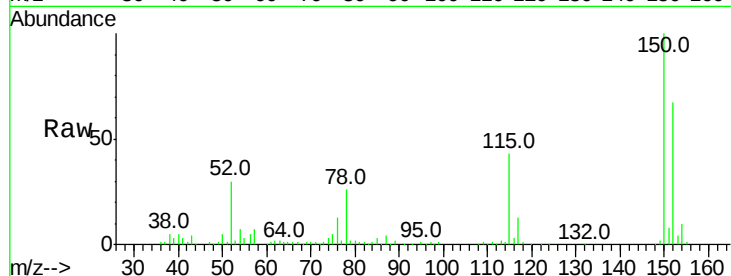
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.00 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

Instrument :
BNA_F
ClientSampleId :
E2-N7-SSWDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	126.2	189.2
115	65.0	52.2	78.2

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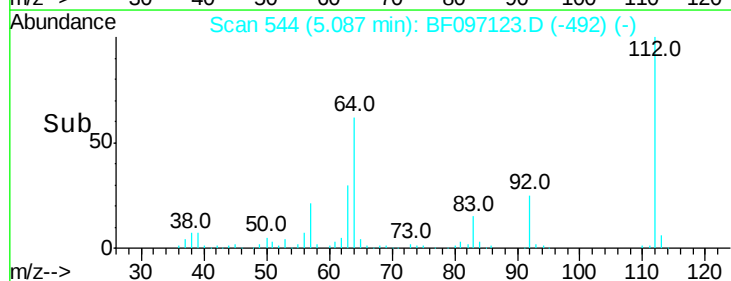
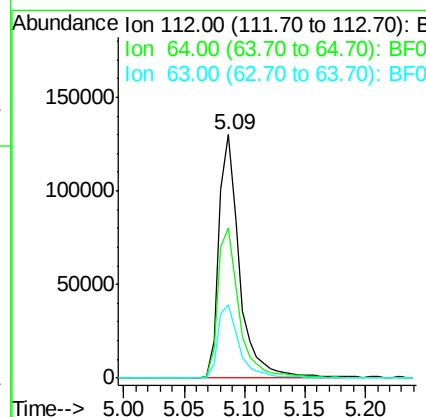
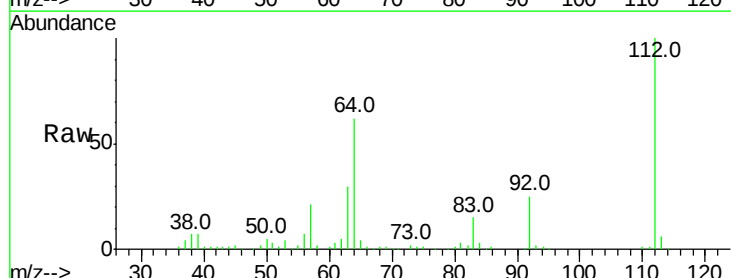
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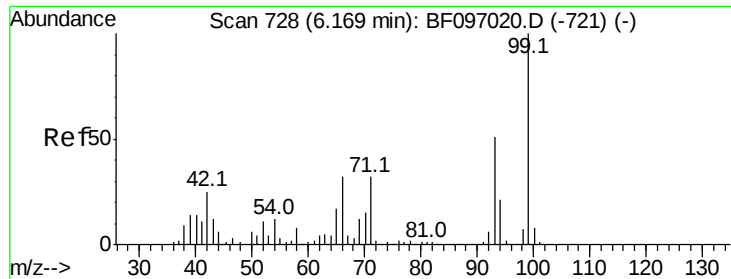


#5

2-Fluorophenol
Concen: 25.456 ng
RT: 5.09 min Scan# 544
Delta R.T. 0.01 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	46.0	69.0
63	30.2	23.4	35.0





#7

Phenol-d6

Concen: 27.653 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

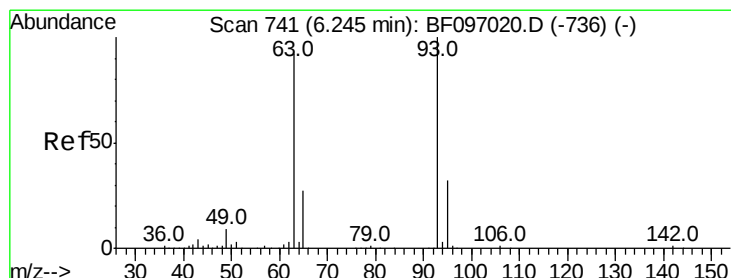
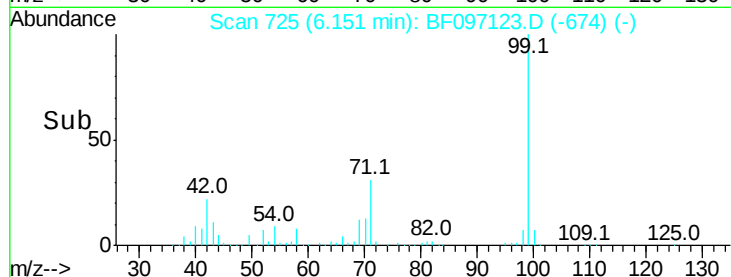
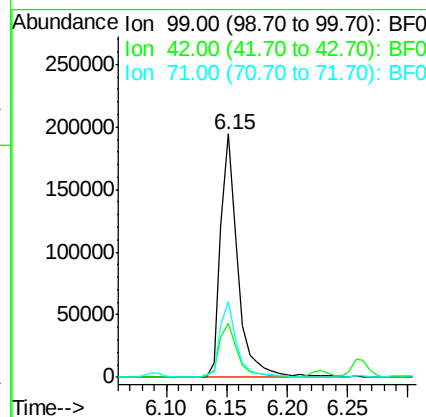
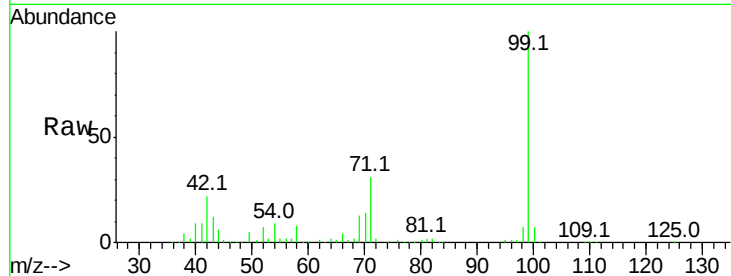
ClientSampleId :

E2-N7-SSWDL

Tot Ion:	99	Resp:	189214
Ion Ratio	Lower	Upper	
99	100		
42	22.3	13.5	20.3#
71	31.0	24.5	36.7

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#11

bis(2-Chloroethyl)ether

Concen: 31.639 ng

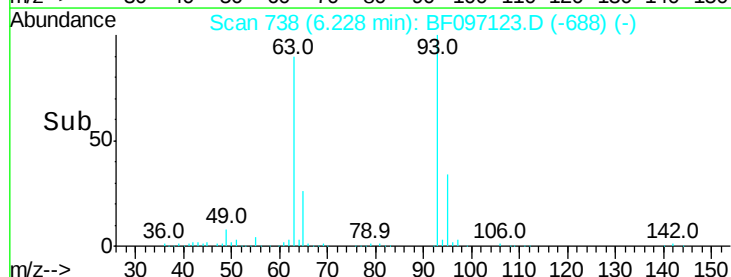
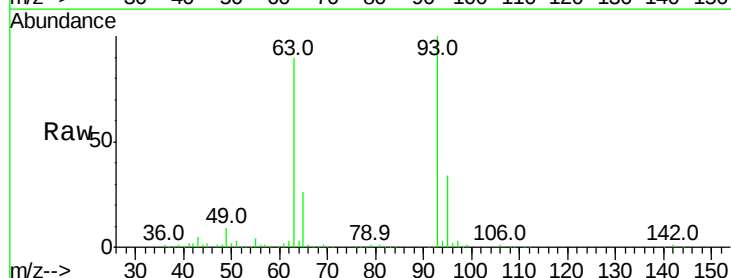
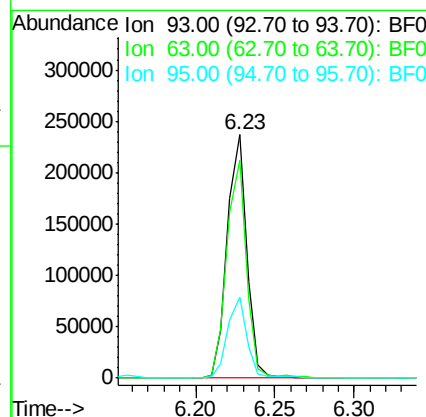
RT: 6.23 min Scan# 738

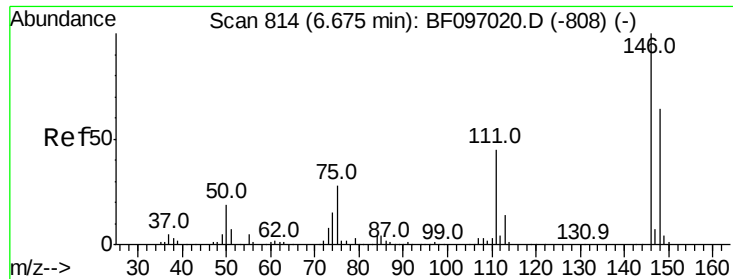
Delta R.T. -0.01 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Tgt Ion:	93	Resp:	203098
Ion Ratio	Lower	Upper	
93	100		
63	89.7	59.2	99.2
95	33.5	12.8	52.8





#14

1,2-Dichlorobenzene

Concen: 2.615 ng

RT: 6.66 min Scan# 811

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSWDL

Tot Ion:146 Resp: 15628

Ion Ratio Lower Upper

146 100

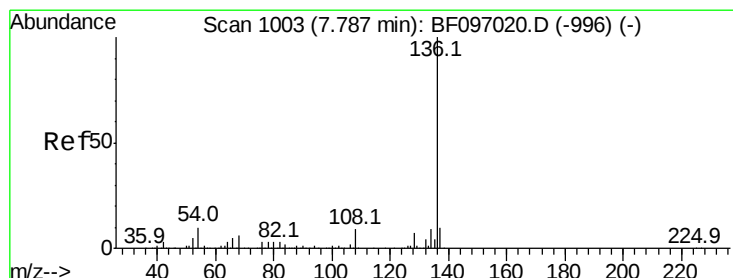
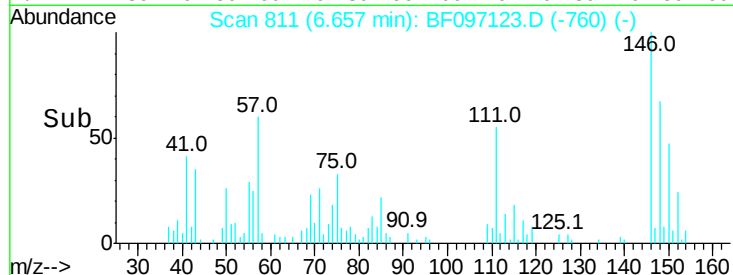
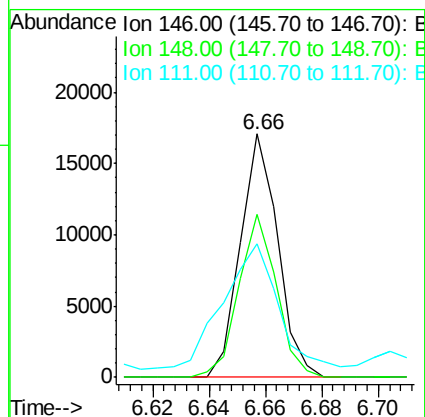
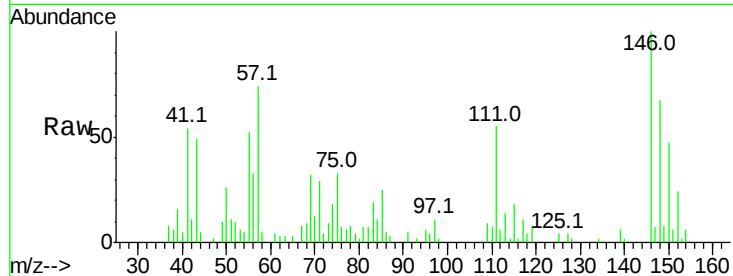
148 66.9 50.4 75.6

111 54.7 38.2 57.4

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.77 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Tgt Ion:136 Resp: 331418

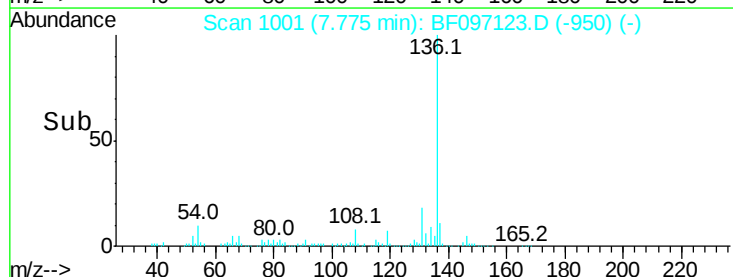
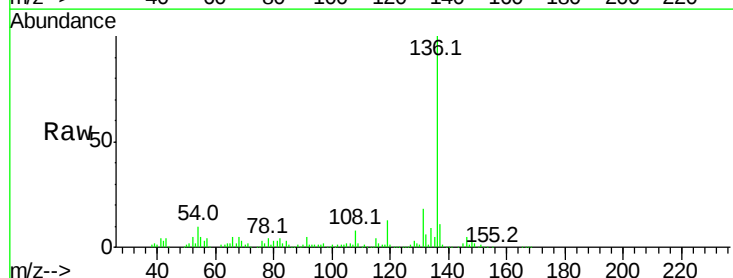
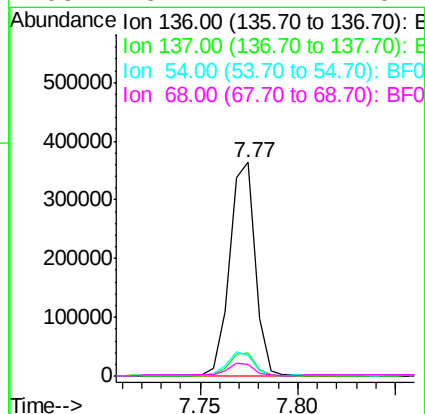
Ion Ratio Lower Upper

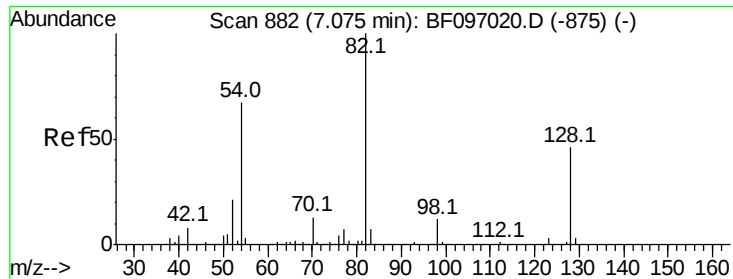
136 100

137 10.7 8.5 12.7

54 9.8 4.9 7.3#

68 5.4 4.1 6.1





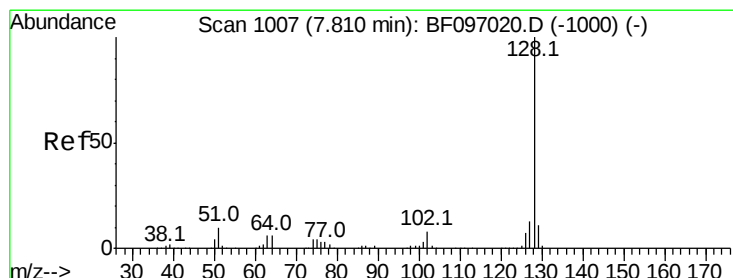
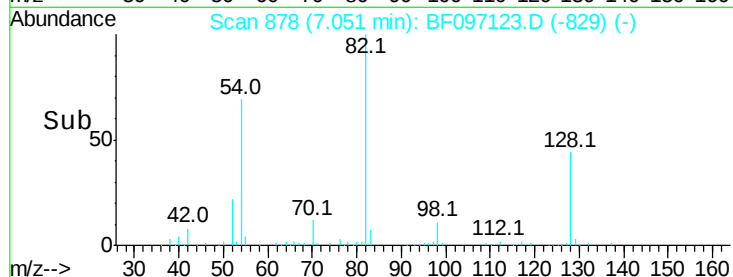
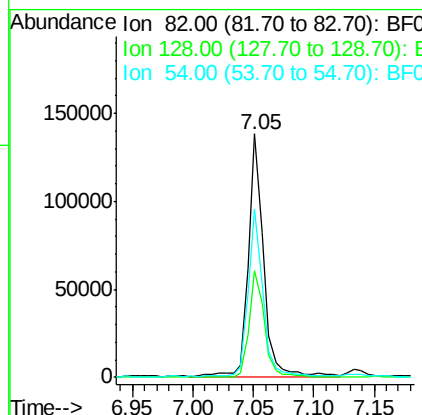
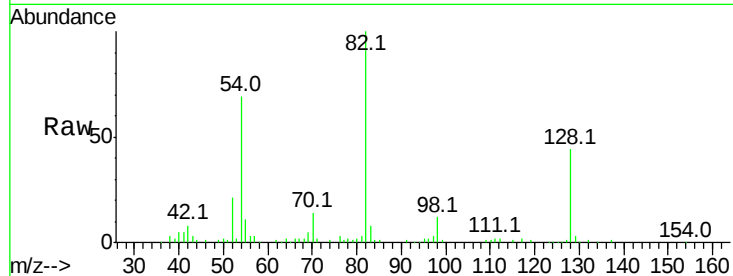
#23
 Nitrobenzene-d5
 Concen: 21.529 ng
 RT: 7.05 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: BF097123.D
 Acq: 27 Jul 2017 15:33

Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-SSWDL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.6	34.0	51.0	
54	68.8	42.2	63.2	

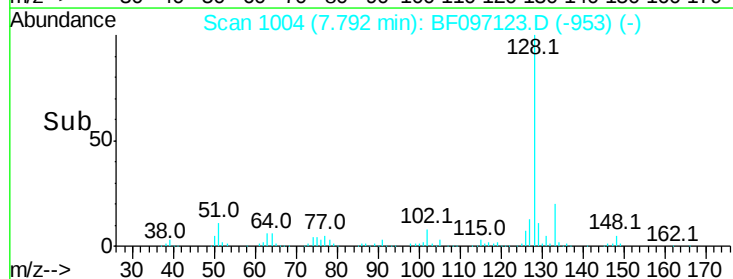
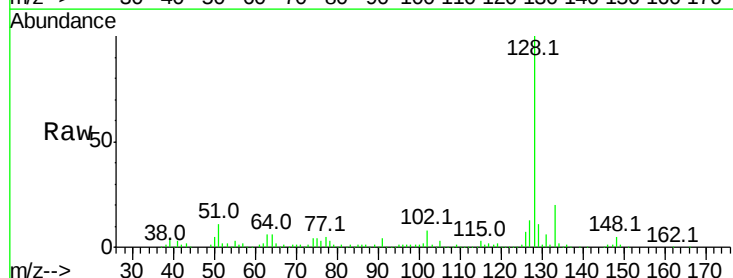
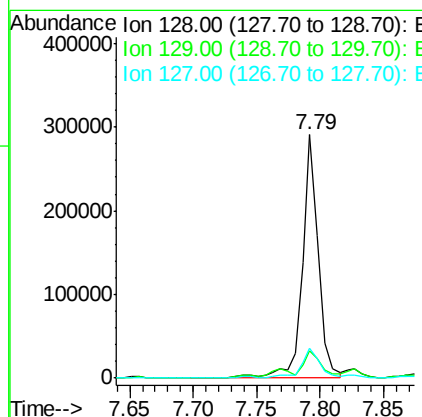
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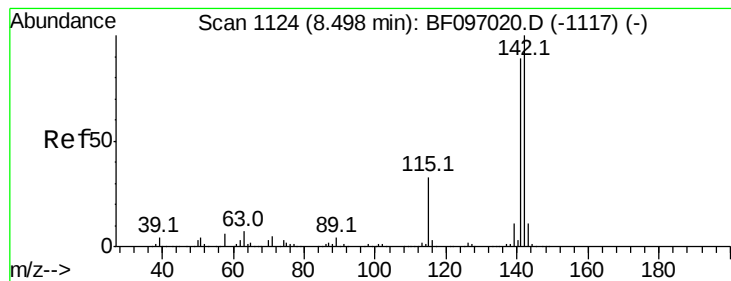
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#31
 Naphthalene
 Concen: 16.613 ng
 RT: 7.79 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: BF097123.D
 Acq: 27 Jul 2017 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.4	9.0	13.6	
127	12.5	10.8	16.2	





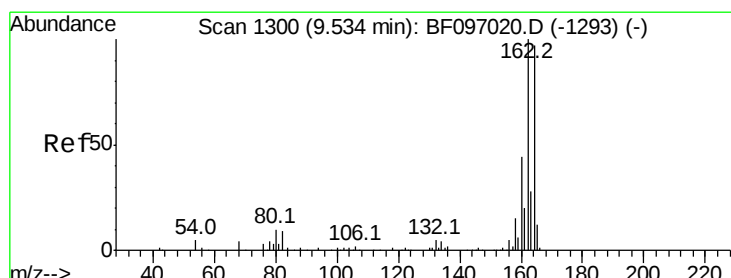
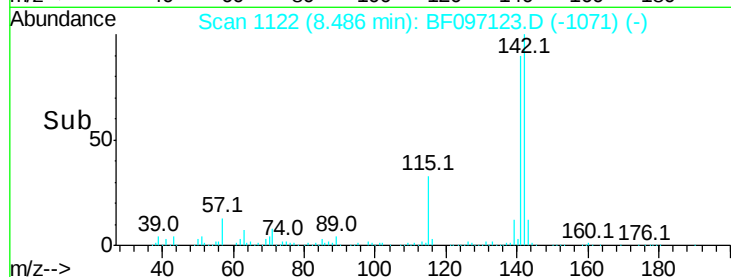
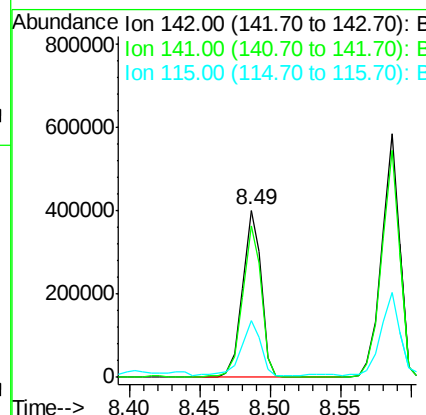
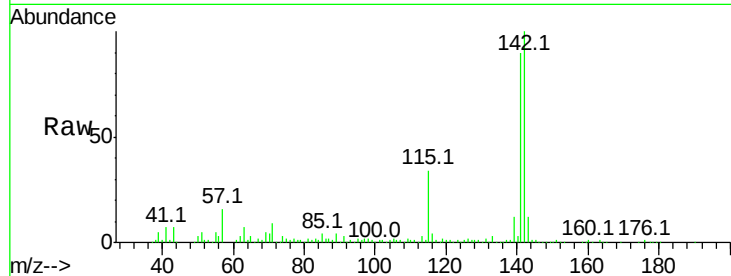
#37
 2-Methylnaphthalene
 Concen: 36.964 ng
 RT: 8.49 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: BF097123.D
 Acq: 27 Jul 2017 15:33

Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-SSWDL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	365629		
141	90.4	71.3	106.9	
115	34.1	27.1	40.7	

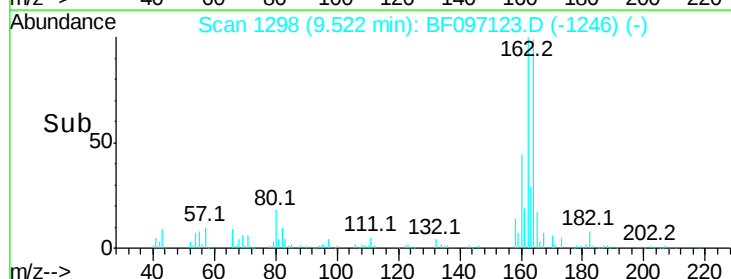
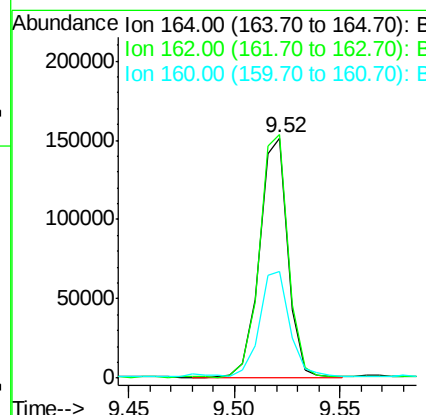
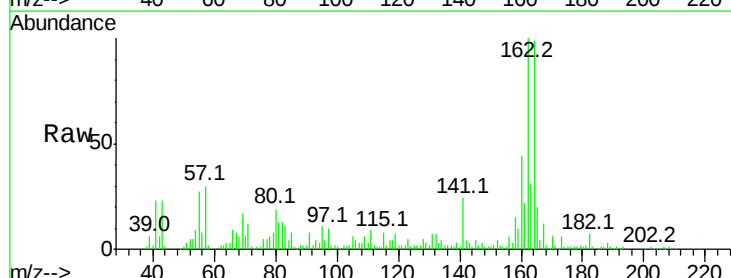
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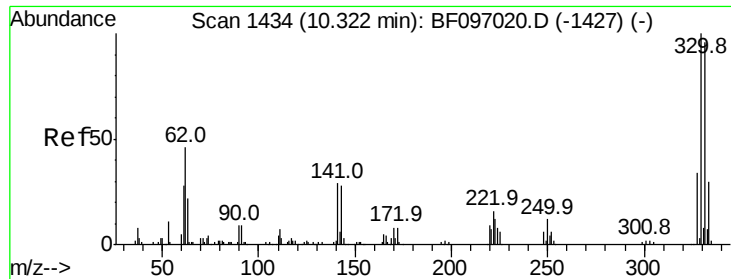
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.52 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: BF097123.D
 Acq: 27 Jul 2017 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	141508		
162	101.4	82.6	123.8	
160	44.7	36.2	54.2	





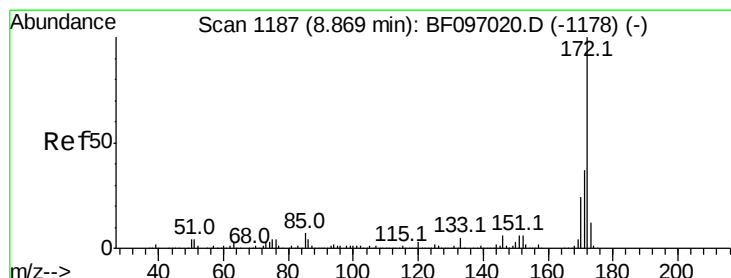
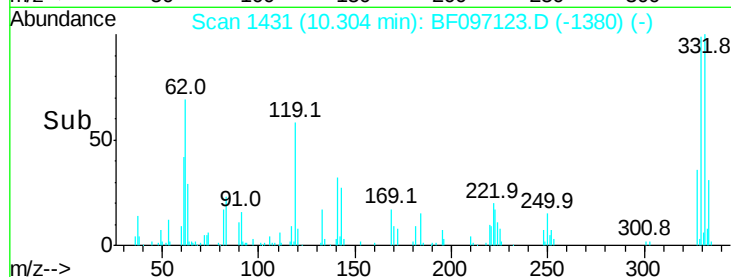
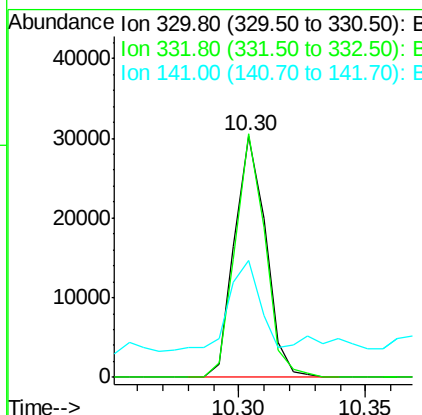
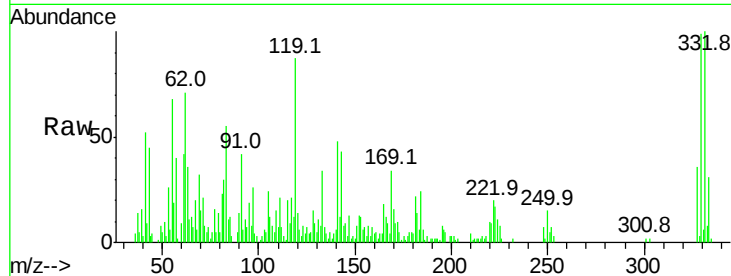
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 2,4,6-Tribromophenol
 Concen: 23.346 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BF097123.D
 Acq: 27 Jul 2017 15:33

Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-SSWDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	40.2	31.4	47.2

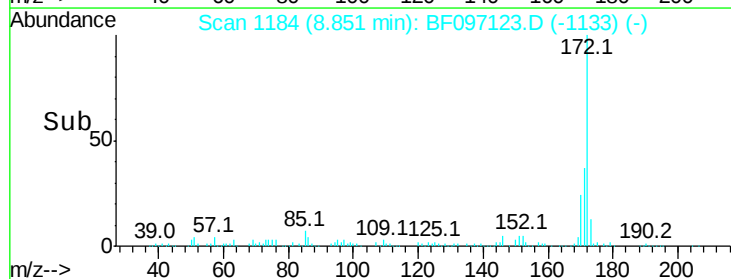
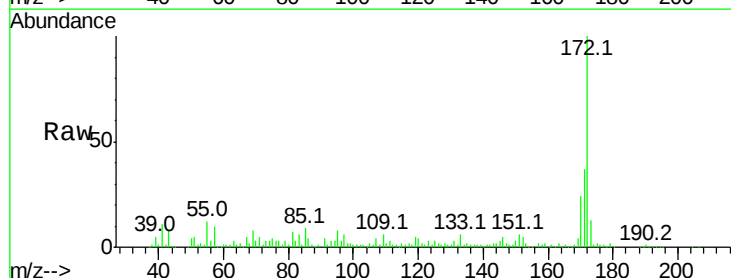
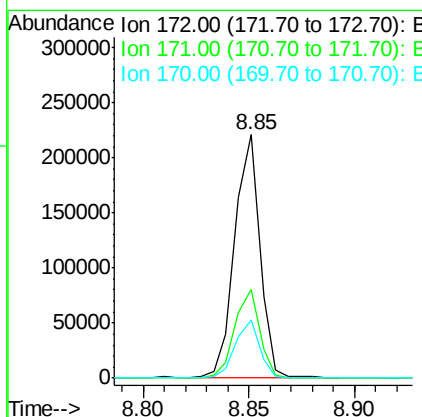
Manual Integrations
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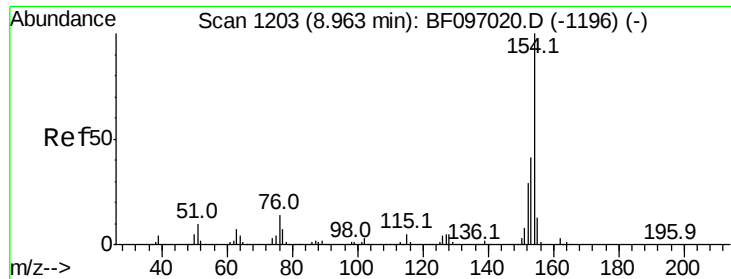
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#44
 2-Fluorobiphenyl
 Concen: 21.683 ng
 RT: 8.85 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: BF097123.D
 Acq: 27 Jul 2017 15:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.0	19.8	29.8





#45

1,1'-Biphenyl

Concen: 2.793 ng

RT: 8.95 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

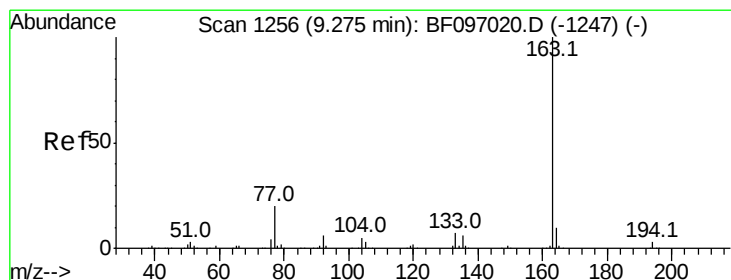
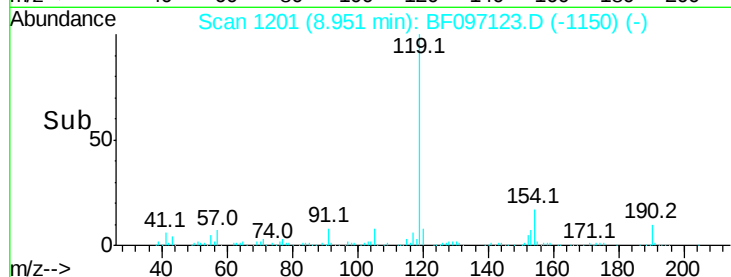
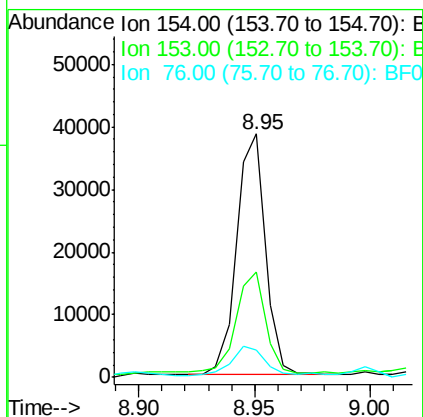
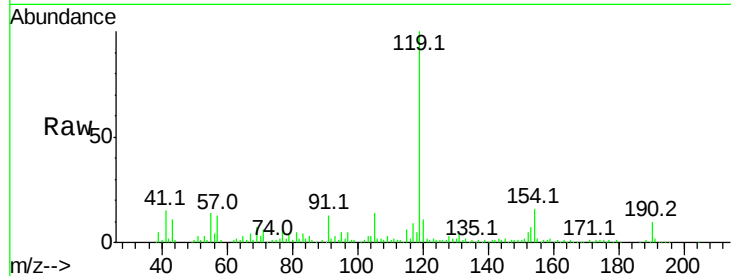
ClientSampleId :

E2-N7-SSWDL

Tot Ion:	154	Resp:	33759
Ion Ratio	Lower	Upper	
154	100		
153	43.4	21.2	61.2
76	11.3	0.0	29.9

Manual Integrations
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#49

Dimethylphthalate

Concen: 4.387 ng

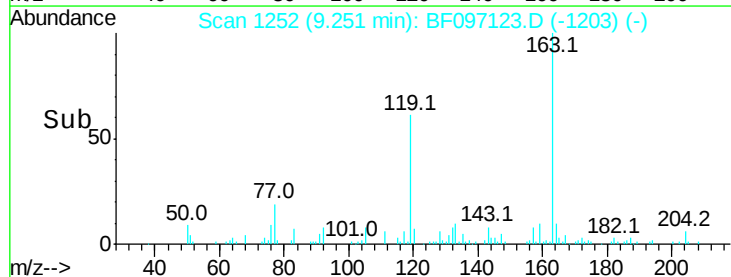
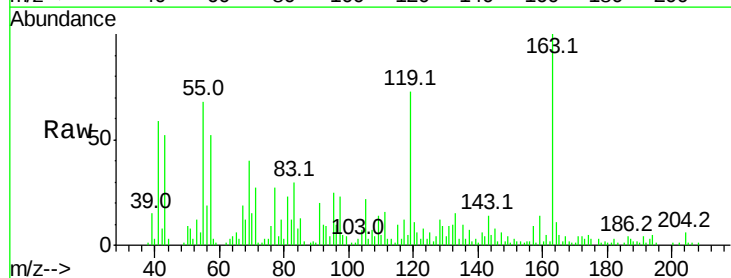
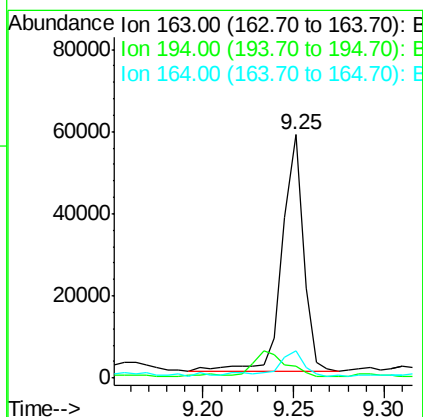
RT: 9.25 min Scan# 1252

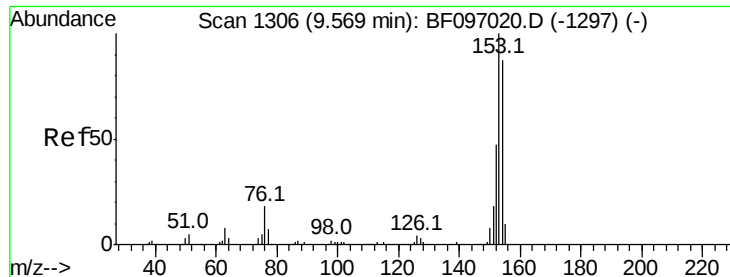
Delta R.T. -0.01 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Tgt Ion:	163	Resp:	47140
Ion Ratio	Lower	Upper	
163	100		
194	5.0	2.6	4.0#
164	11.1	8.4	12.6





#51

Acenaphthene

Concen: 3.040 ng

RT: 9.55 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

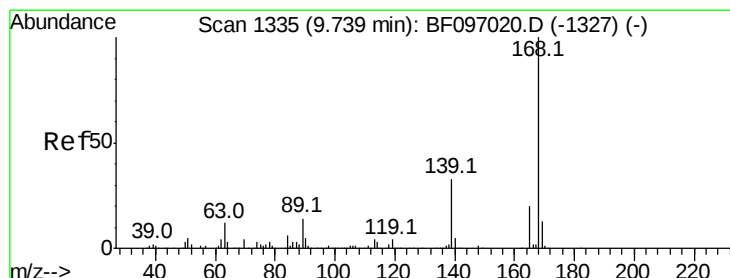
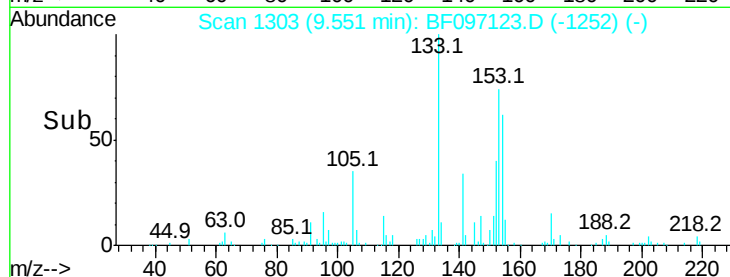
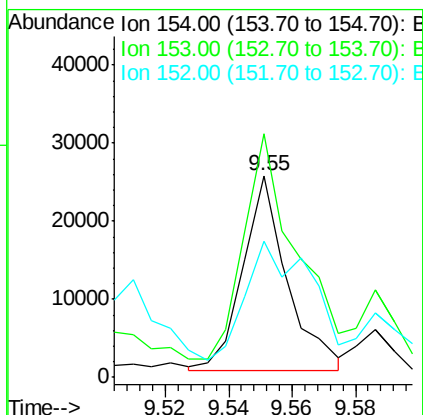
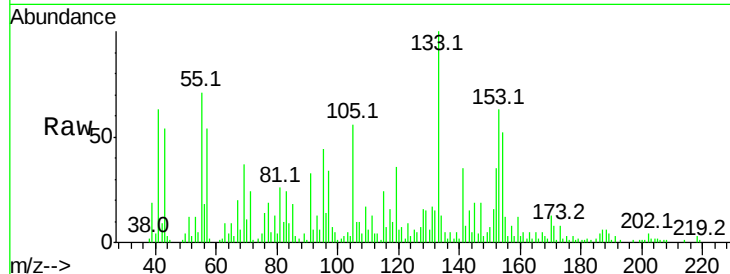
ClientSampled :

E2-N7-SSWDL

Tot Ion:	154	Resp:	24445
Ion Ratio	Lower	Upper	
154	100		
153	120.6	90.5	135.7
152	67.6	43.6	65.4#

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#54

Dibenzofuran

Concen: 2.558 ng

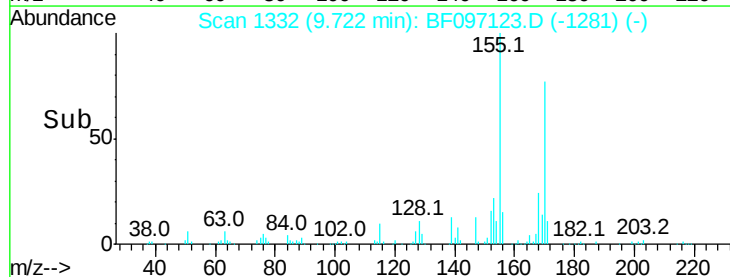
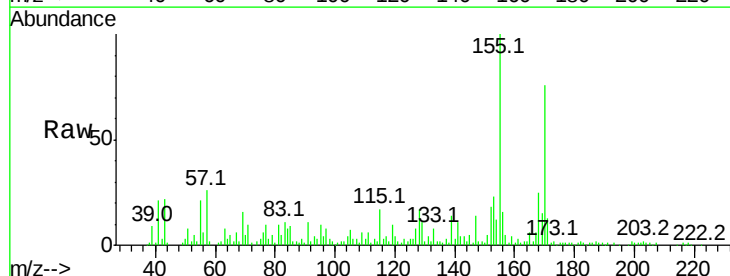
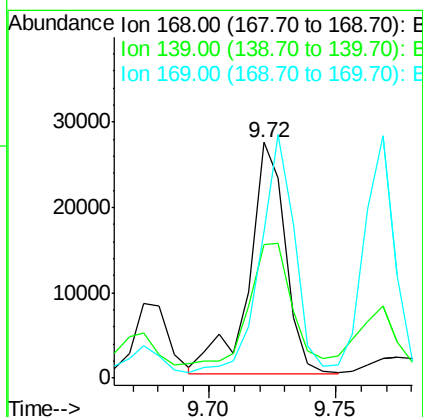
RT: 9.72 min Scan# 1332

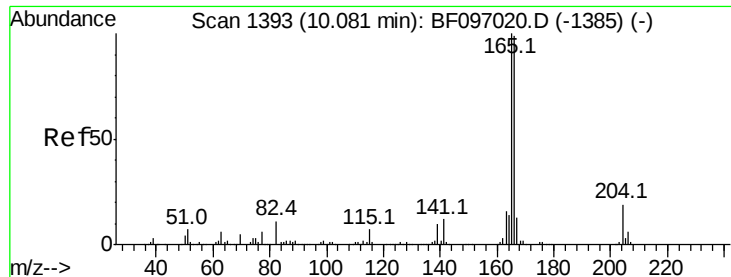
Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Tgt Ion:	168	Resp:	27397
Ion Ratio	Lower	Upper	
168	100		
139	56.9	30.6	45.8#
169	62.2	10.8	16.2#





#57

Fluorene

Concen: 4.141 ng

RT: 10.06 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSWDL

Tot Ion:166 Resp: 33337

Ion Ratio Lower Upper

166 100

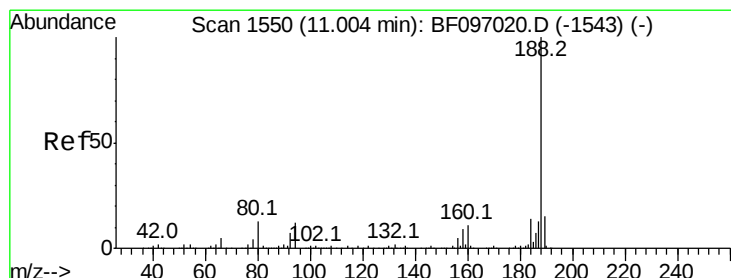
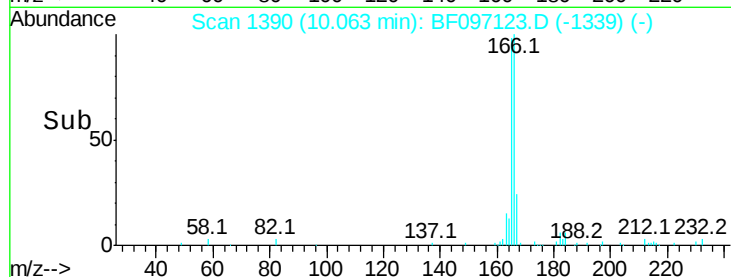
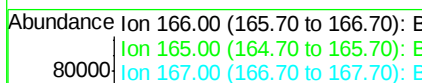
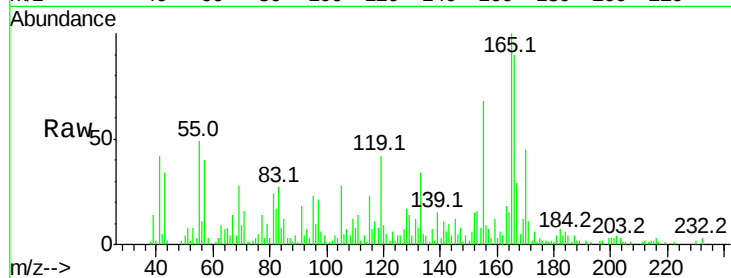
165 111.1 78.8 118.2

167 32.6 10.6 16.0#

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#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.99 min Scan# 1548

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

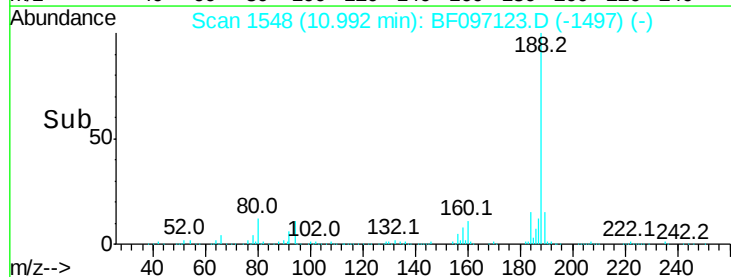
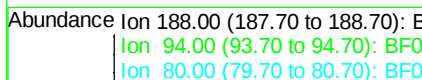
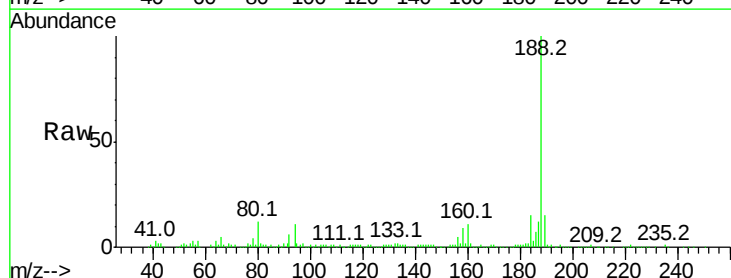
Tgt Ion:188 Resp: 214438

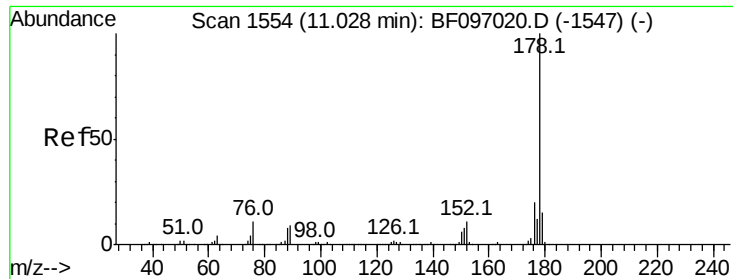
Ion Ratio Lower Upper

188 100

94 11.2 9.4 14.2

80 11.9 10.2 15.2





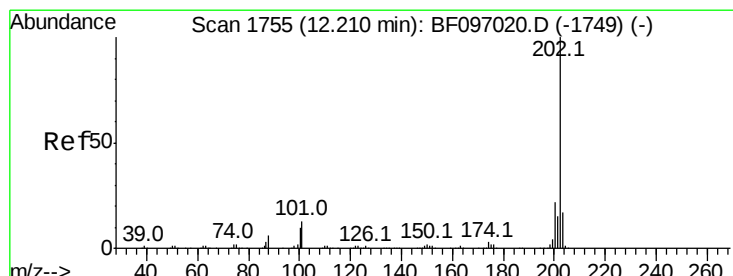
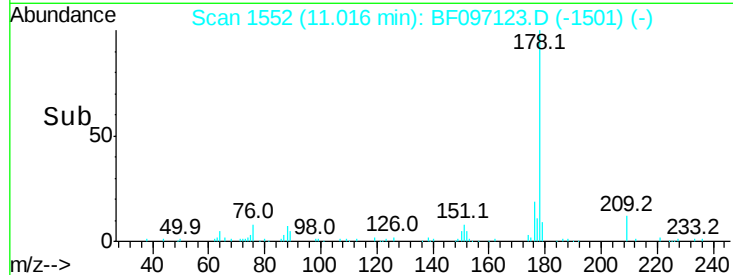
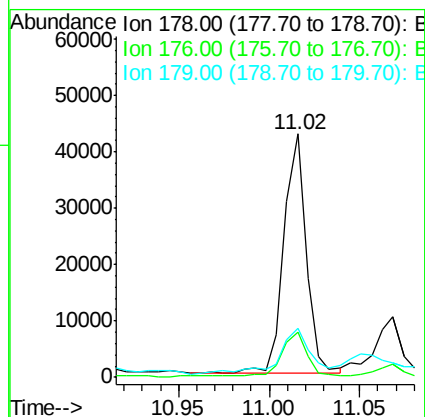
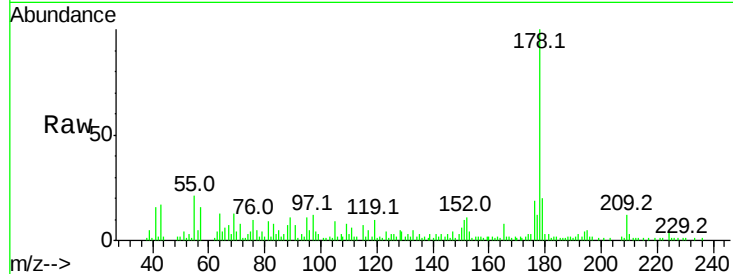
#70
Phenanthrene
Concen: 3.224 ng
RT: 11.02 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

Instrument :
BNA_F
ClientSampleId :
E2-N7-SSWDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.2	24.4
179	20.2	12.6	19.0

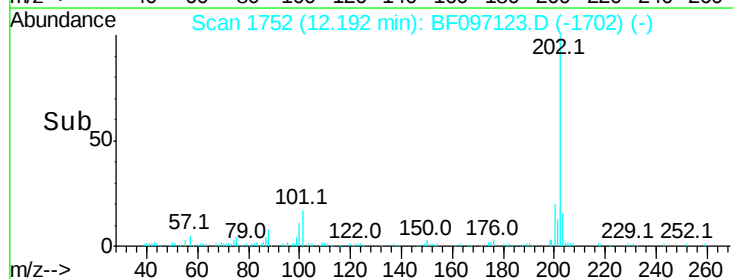
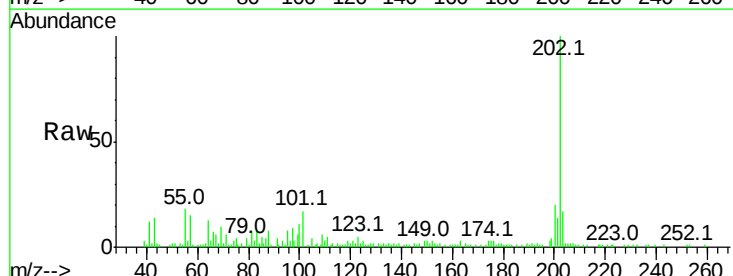
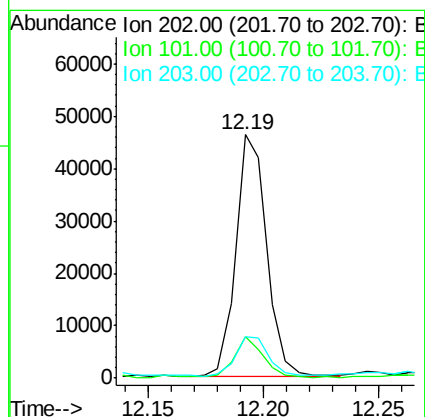
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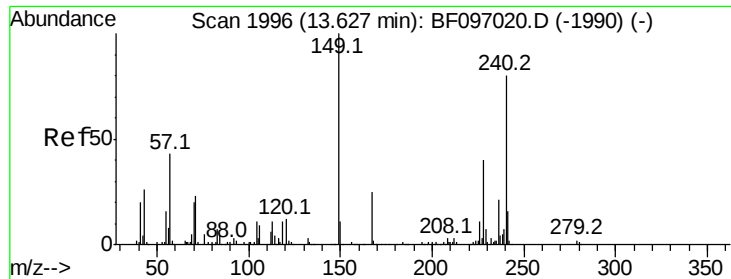
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#74
Fluoranthene
Concen: 3.821 ng
RT: 12.19 min Scan# 1752
Delta R.T. -0.01 min
Lab File: BF097123.D
Acq: 27 Jul 2017 15:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.1	0.0	33.2
203	16.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.62 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSWDL

Tot Ion:240 Resp: 181234

Ion Ratio Lower Upper

240 100

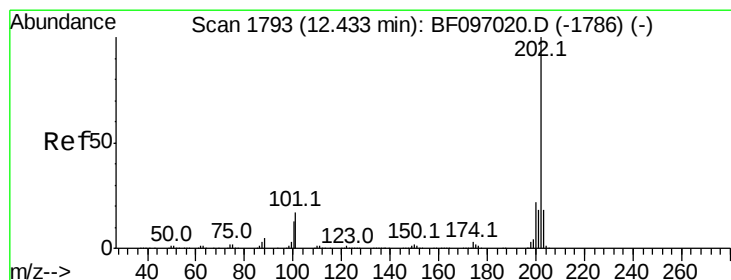
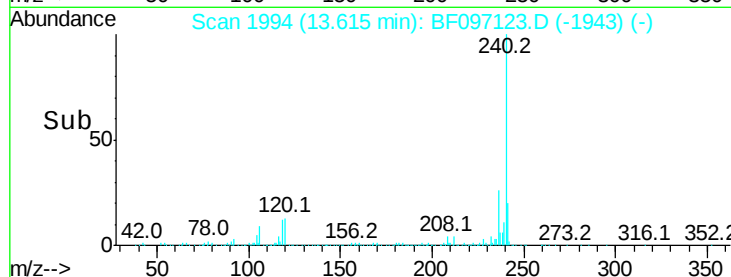
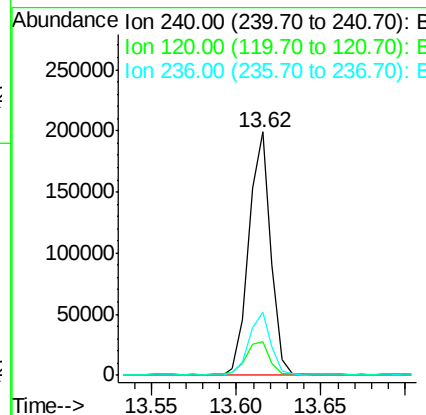
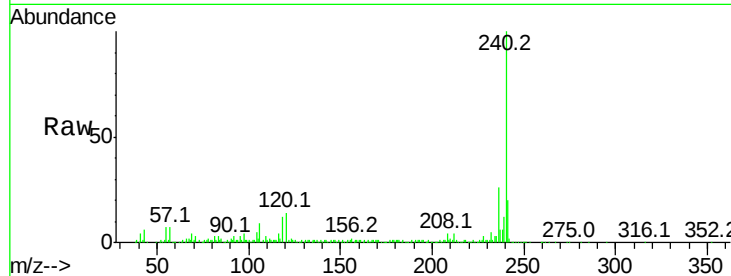
120 13.7 5.8 8.8#

236 26.2 20.5 30.7

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#77

Pyrene

Concen: 2.983 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

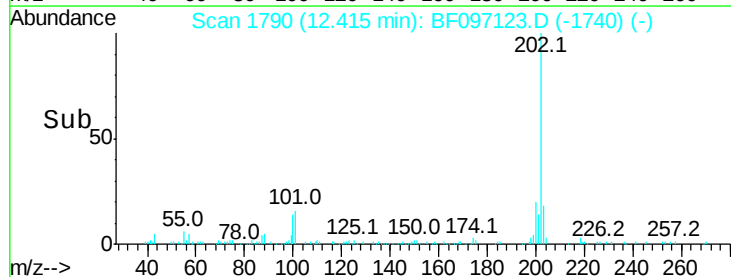
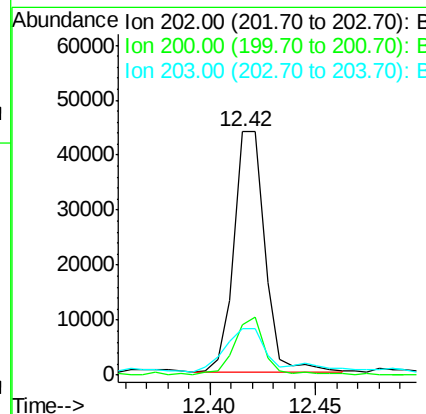
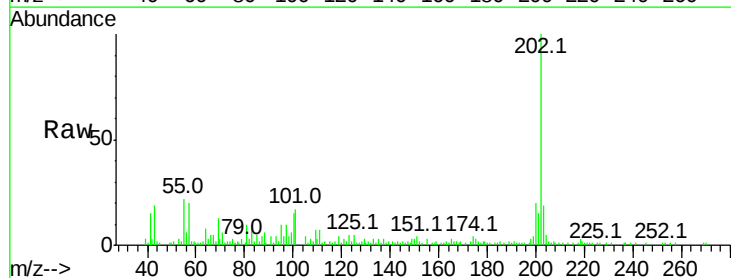
Tgt Ion:202 Resp: 44261

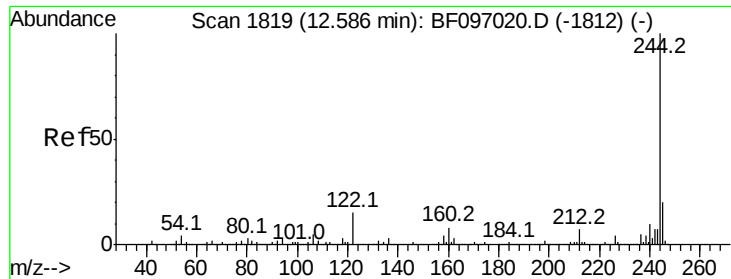
Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

203 19.0 14.4 21.6





#78

Terphenyl-d14

Concen: 14.942 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

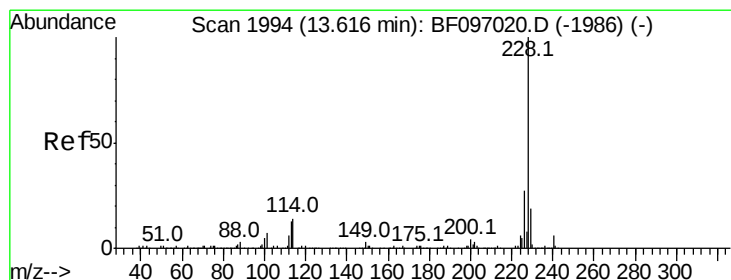
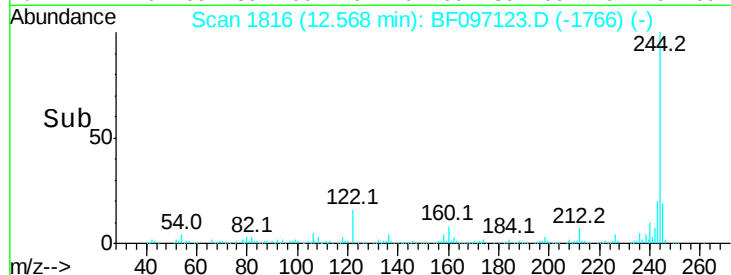
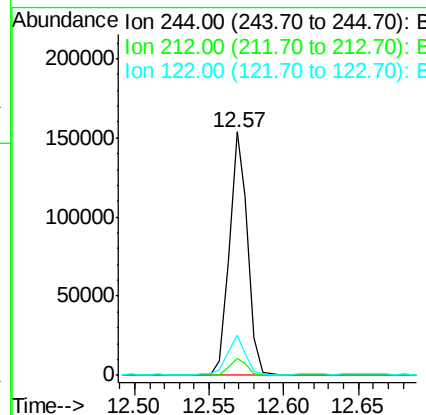
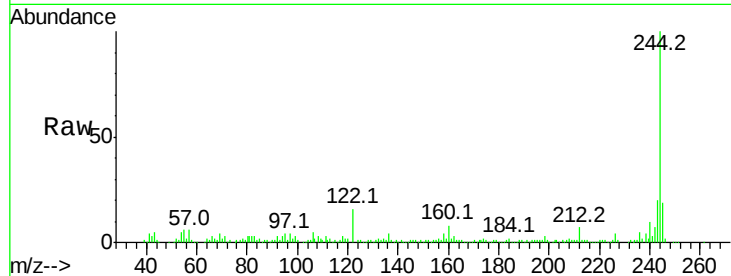
ClientSampleId :

E2-N7-SSWDL

Tot Ion:	244	Resp:	132822
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	16.3	10.3	15.5#

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#80

Benzo(a)anthracene

Concen: 2.439 ng

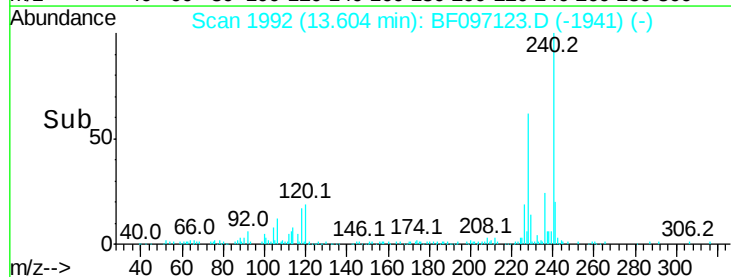
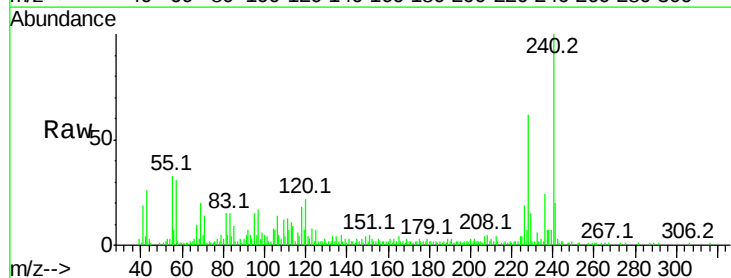
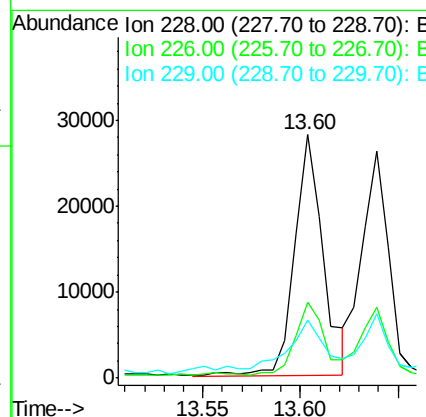
RT: 13.60 min Scan# 1992

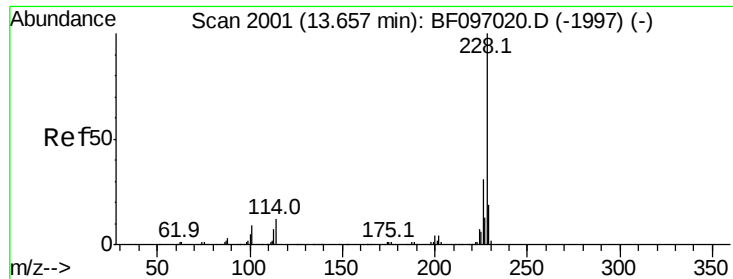
Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Tgt Ion:	228	Resp:	28604
Ion Ratio	Lower	Upper	
228	100		
226	31.1	22.6	33.8
229	23.8	16.3	24.5





#82

Chrysene

Concen: 2.208 ng

RT: 13.64 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

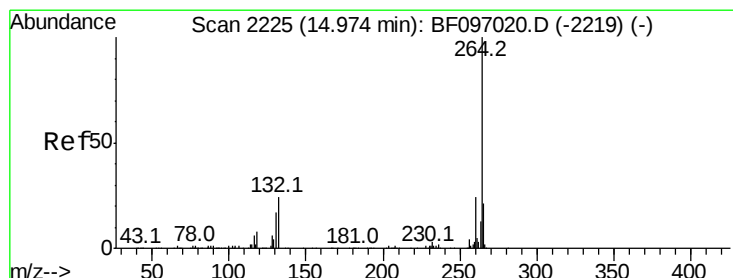
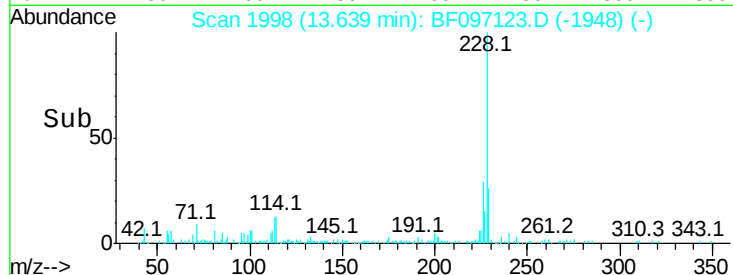
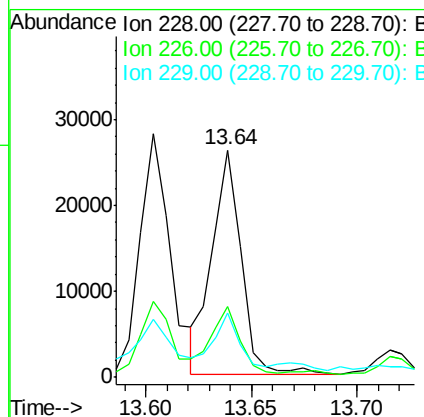
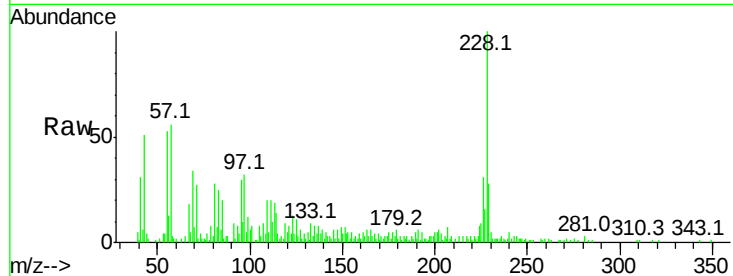
ClientSampleId :

E2-N7-SSWDL

Tot Ion:	228	Resp:	25287
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.9	37.3
229	28.4	15.8	23.6#

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

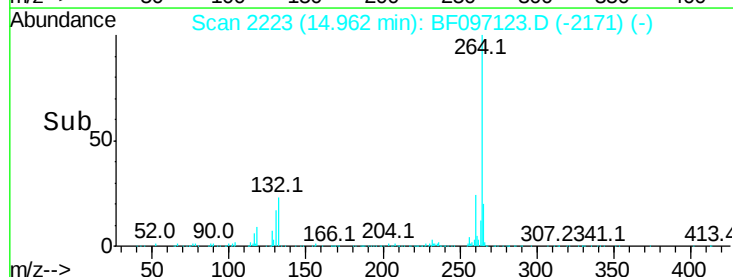
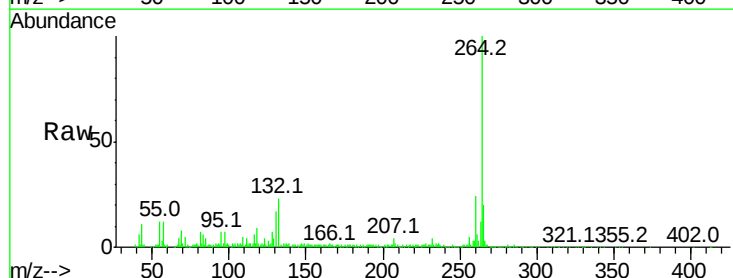
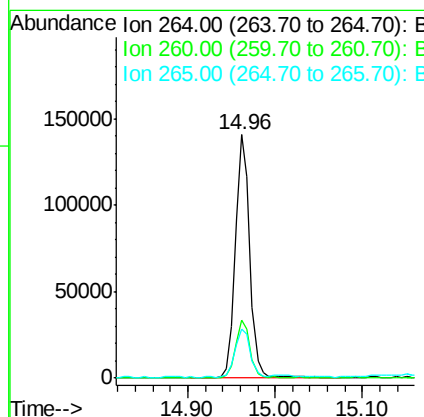
RT: 14.96 min Scan# 2223

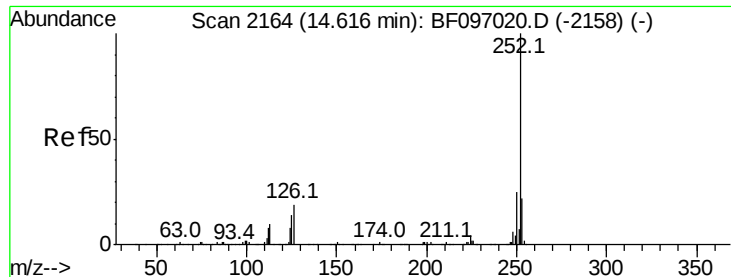
Delta R.T. 0.01 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Tgt Ion:	264	Resp:	156869
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.5	29.3
265	20.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 3.947 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Instrument :

BNA_F

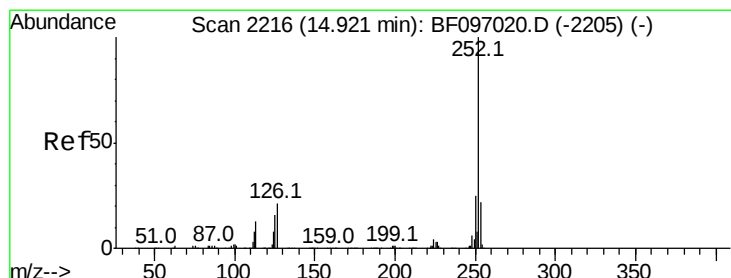
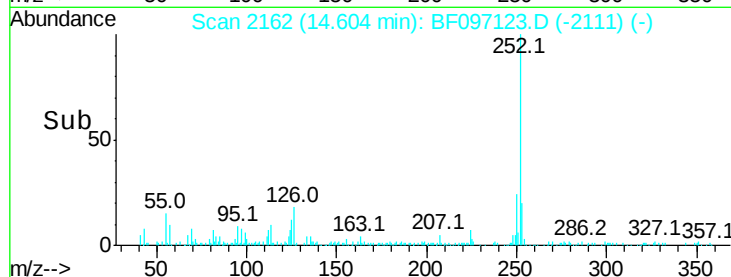
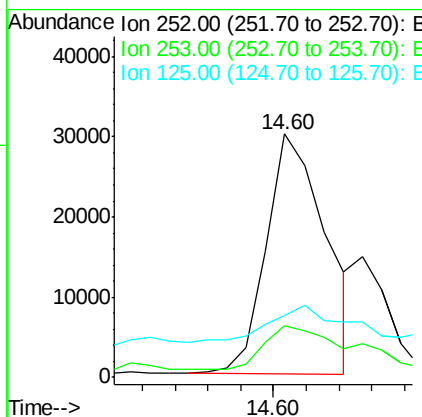
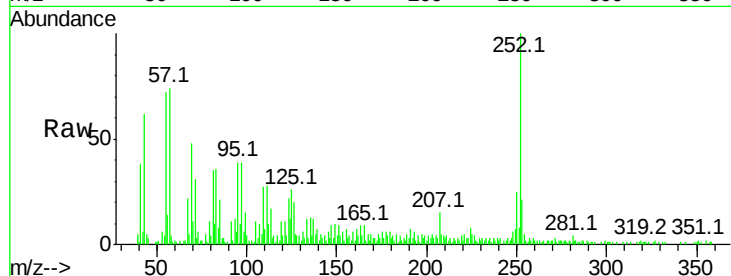
ClientSampleId :

E2-N7-SSWDL

Tot Ion:	252	Resp:	37216
Ion Ratio	Lower	Upper	
252	100		
253	21.4	18.1	27.1
125	25.6	9.8	14.8#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 3.370 ng

RT: 14.91 min Scan# 2214

Delta R.T. -0.00 min

Lab File: BF097123.D

Acq: 27 Jul 2017 15:33

Tgt Ion:	252	Resp:	29085
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	23.0	11.0	16.4#

