

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097821.D
 Acq On : 18 Aug 2017 8:21
 Operator : SJ/JU
 Sample : I4773-02DL 100X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-BASEDL

Manual Integrations
 APPROVED

Sohil
 8/18/2017 7:02:41 PM

Quant Time: Aug 18 13:58:47 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	118487	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	418066	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	145196	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	251879	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	267045	20.00	ng	-0.01
86) Perylene-d12	15.36	264	180635	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	7876	1.01	ng	-0.02
7) Phenol-d6	6.39	99	11258	1.06	ng	-0.02
23) Nitrobenzene-d5	7.33	82	6943	0.90	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	691	0.55	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	8375	0.85	ng	-0.01
78) Terphenyl-d14	12.88	244	6725	0.53	ng	-0.01
Target Compounds						
12) 1,3-Dichlorobenzene	6.72	146	19617	2.220	ng	Qvalue # 93
13) 1,4-Dichlorobenzene	6.79	146	74578m	8.298	ng	
14) 1,2-Dichlorobenzene	6.95	146	129164	15.587	ng	98
30) 1,2,4-Trichlorobenzene	8.00	180	23420	3.814	ng	99
31) Naphthalene	8.08	128	1101162	50.736	ng	100
37) 2-Methylnaphthalene	8.77	142	602415	45.272	ng	98
45) 1,1'-Biphenyl	9.23	154	105969	8.003	ng	96
51) Acenaphthene	9.85	154	143474	14.808	ng	99
54) Dibenzofuran	10.02	168	118068	9.092	ng	# 90
57) Fluorene	10.36	166	118070	11.760	ng	98
70) Phenanthrene	11.32	178	417376	31.097	ng	99
71) Anthracene	11.37	178	74284	5.457	ng	98
74) Fluoranthene	12.50	202	204827	14.621	ng	98
77) Pyrene	12.73	202	182509	8.356	ng	97
80) Benzo(a)anthracene	13.92	228	50768	3.172	ng	93
82) Chrysene	13.95	228	41611	2.614	ng	99

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

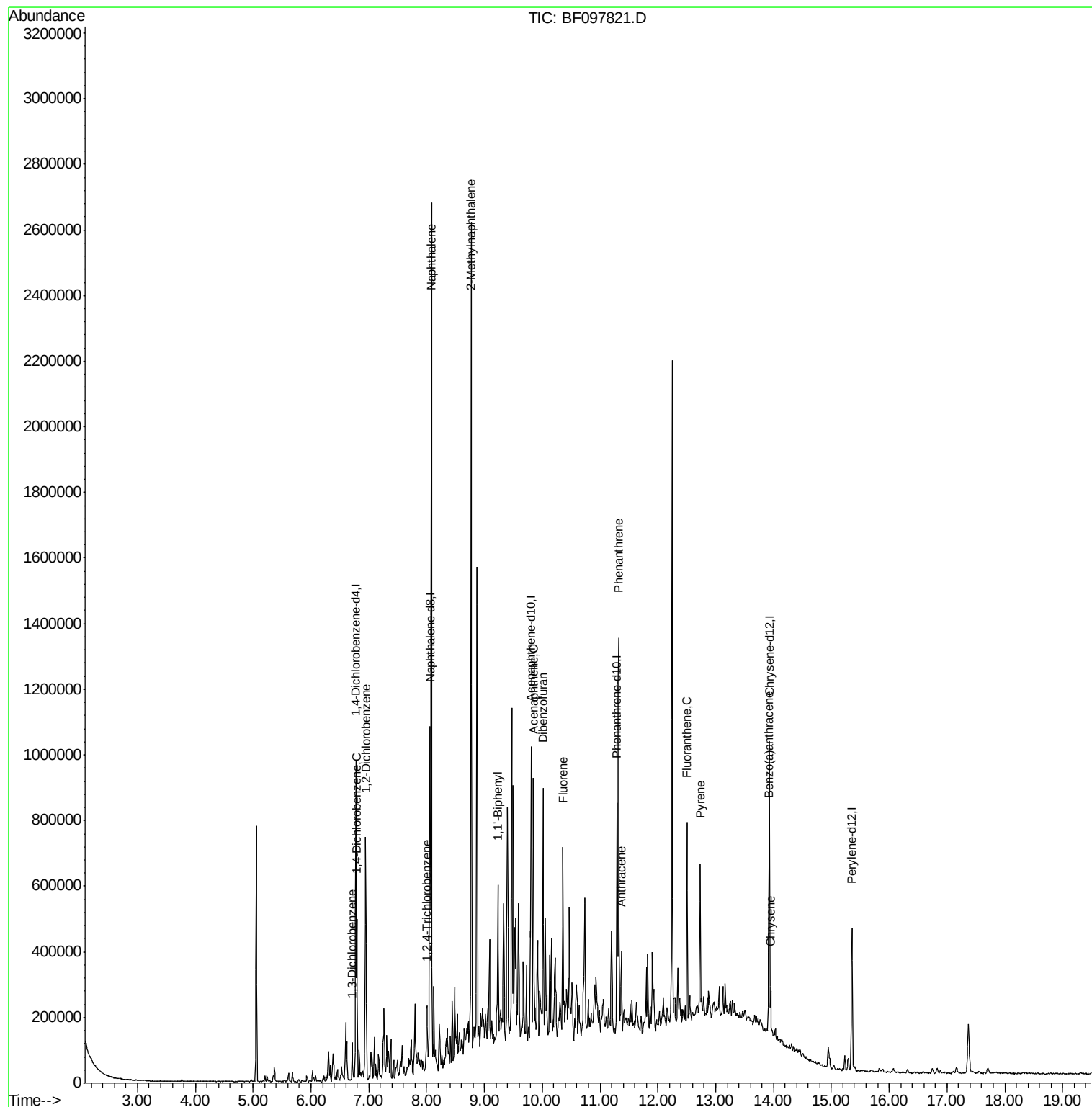
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ALS Vial : 35 Sample Multiplier: 1

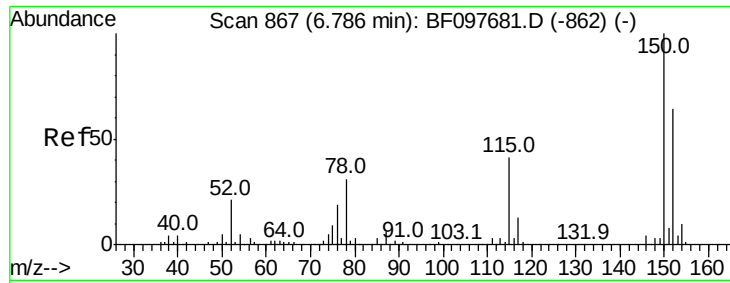
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#1

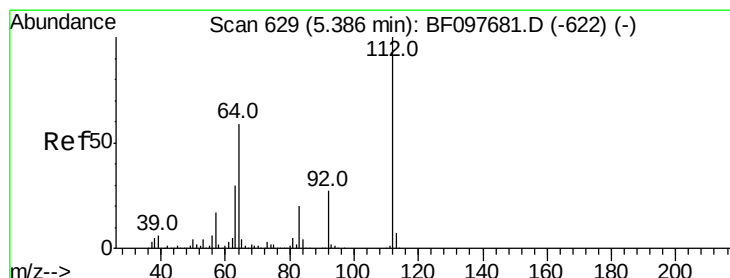
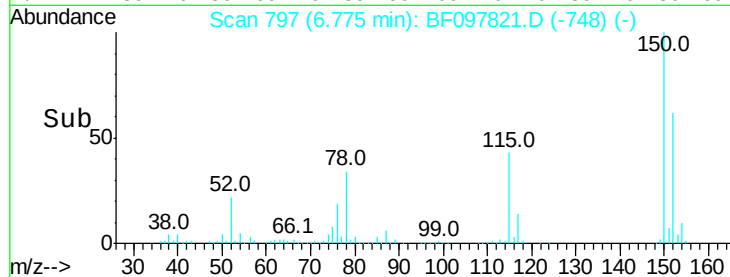
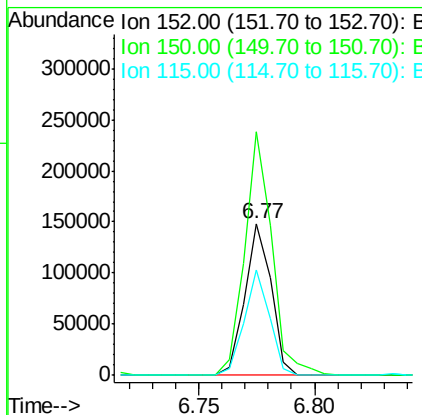
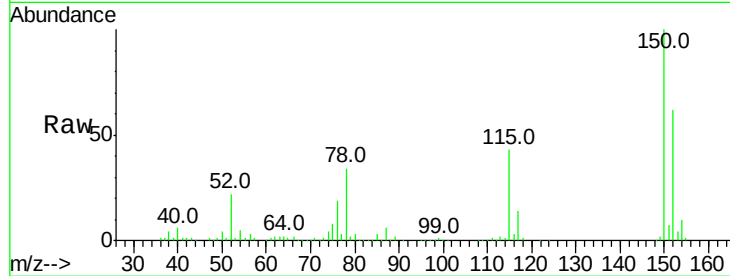
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097821.D
Acq: 18 Aug 2017 8:21

Instrument :
BNA_F
ClientSampleId :
E2-J10-BASEDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	126.2	189.2
115	69.3	52.2	78.2

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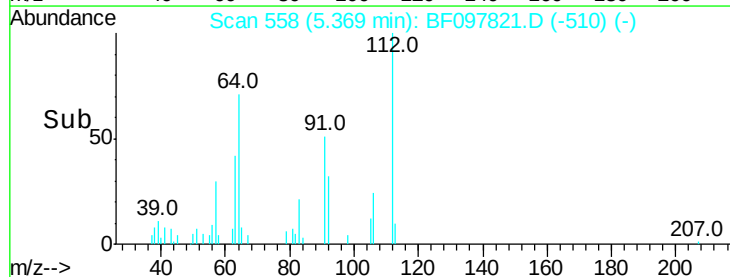
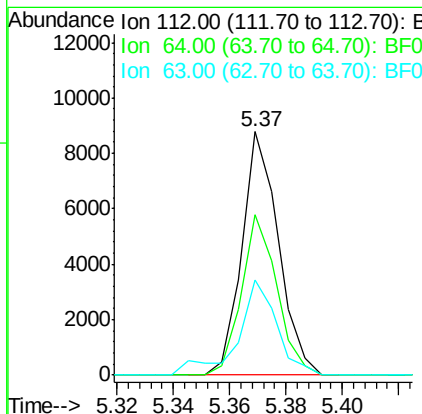
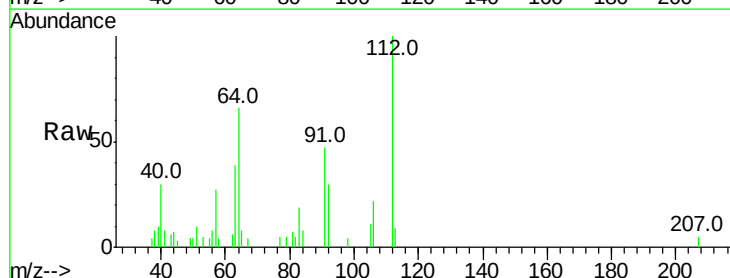
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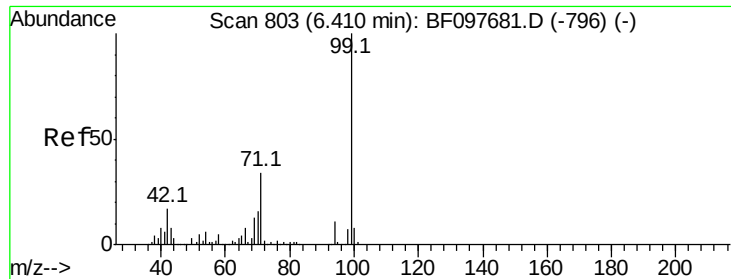


#5

2-Fluorophenol
Concen: 1.011 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.02 min
Lab File: BF097821.D
Acq: 18 Aug 2017 8:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	46.0	69.0
63	38.9	23.4	35.0





#7

Phenol-d6

Concen: 1.064 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097821.D

Acq: 18 Aug 2017 8:21

Instrument :

BNA_F

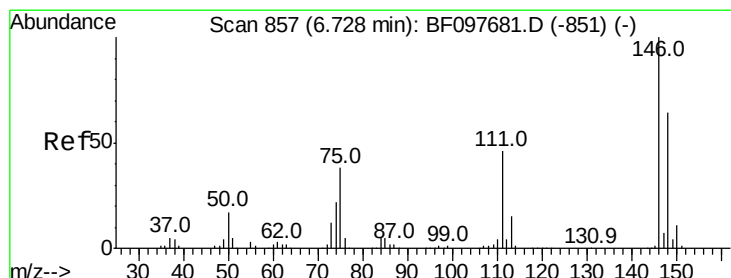
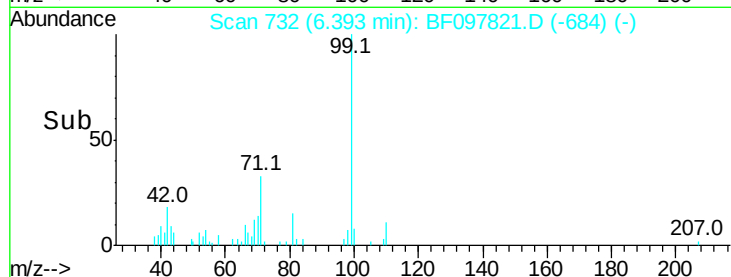
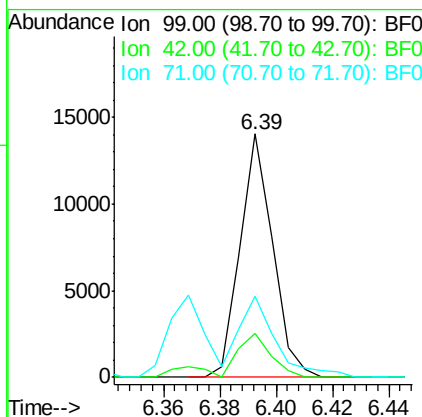
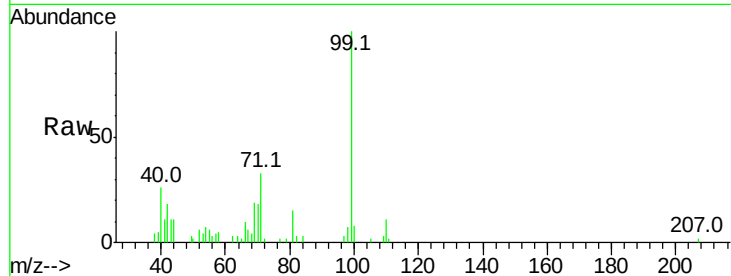
ClientSampleId :

E2-J10-BASEDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		11258		
42	17.9	13.5	20.3		
71	33.3	24.5	36.7		

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#12

1,3-Dichlorobenzene

Concen: 2.220 ng

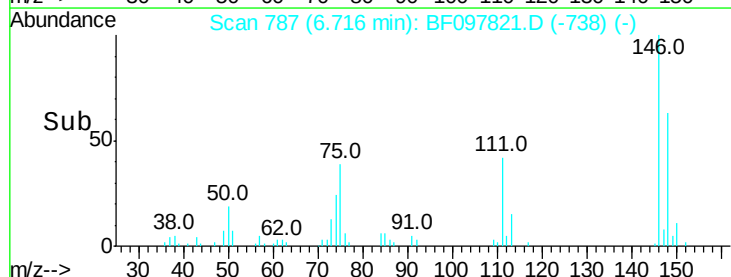
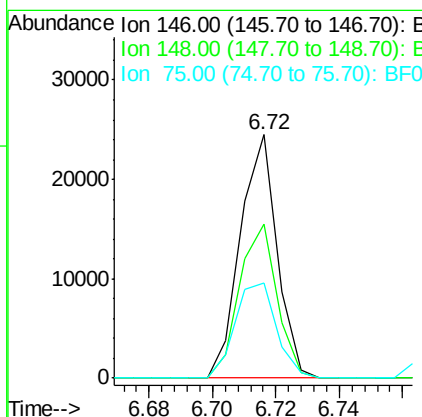
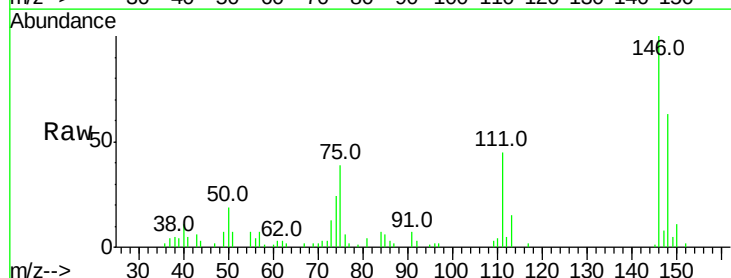
RT: 6.72 min Scan# 787

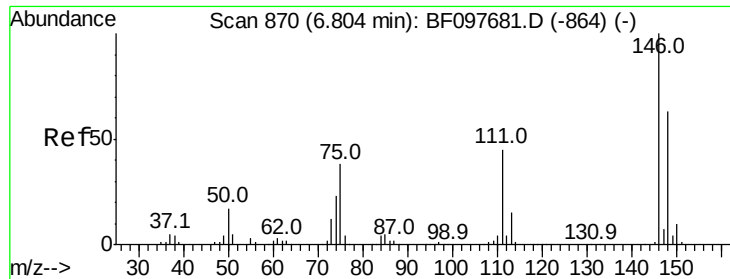
Delta R.T. -0.01 min

Lab File: BF097821.D

Acq: 18 Aug 2017 8:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		19617		
148	63.2	51.8	77.6		
75	39.0	23.1	34.7#		





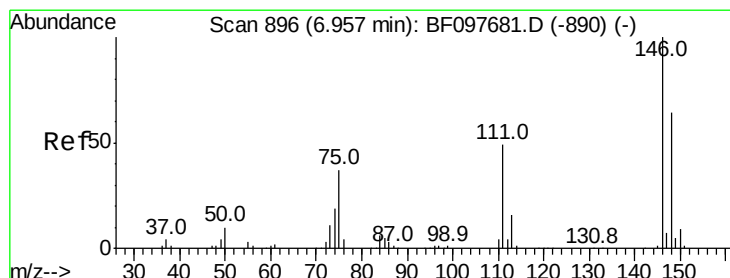
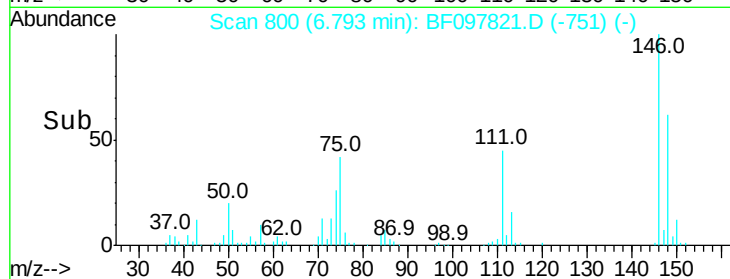
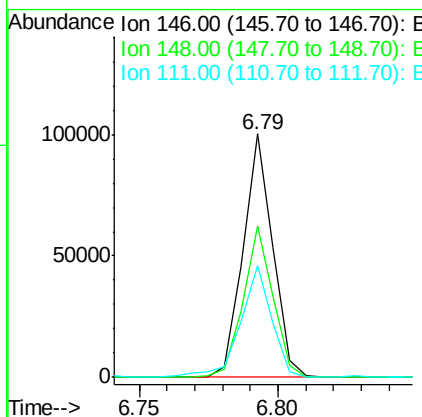
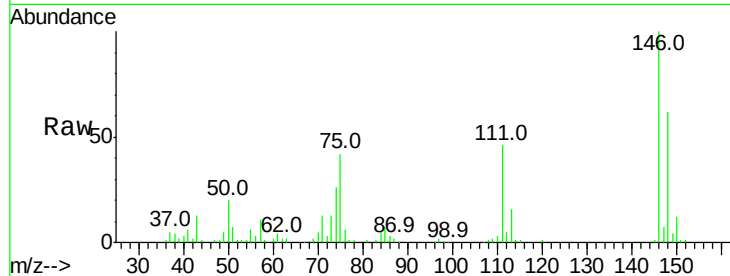
#13
 1,4-Dichlorobenzene
 Concen: 8.298 ng/mL
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF097821.D
 Acq: 18 Aug 2017 8:21

Instrument :
 BNA_F
 ClientSampled :
 E2-J10-BASEDL

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.3	52.2	78.2
111	45.7	30.3	45.5

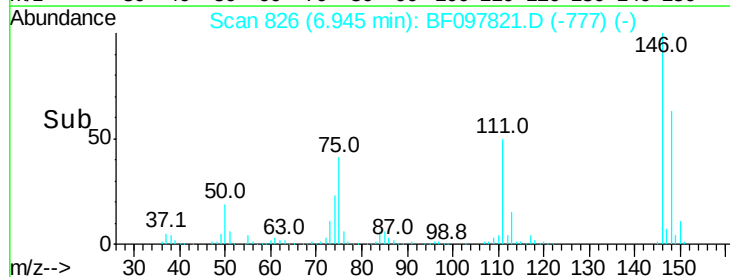
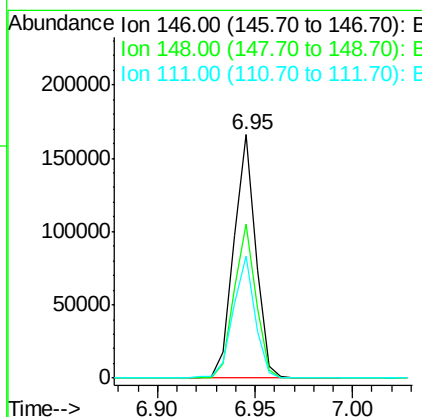
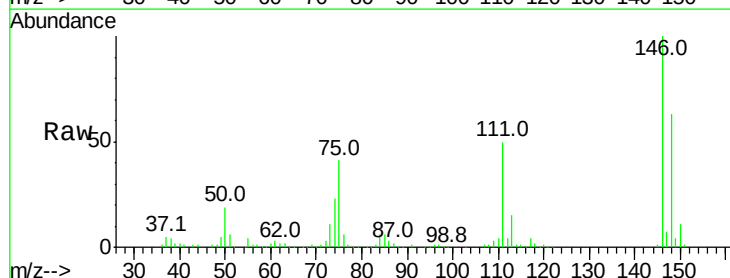
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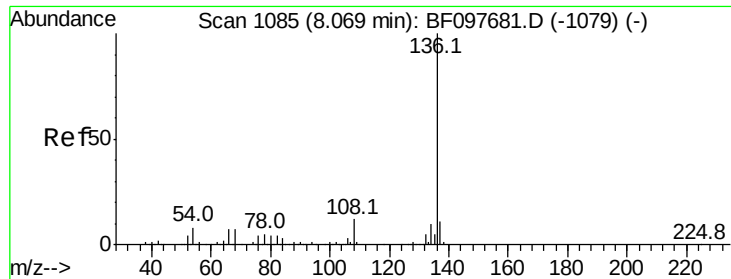
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#14
 1,2-Dichlorobenzene
 Concen: 15.587 ng/mL
 RT: 6.95 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: BF097821.D
 Acq: 18 Aug 2017 8:21

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.4	75.6
111	49.9	38.2	57.4





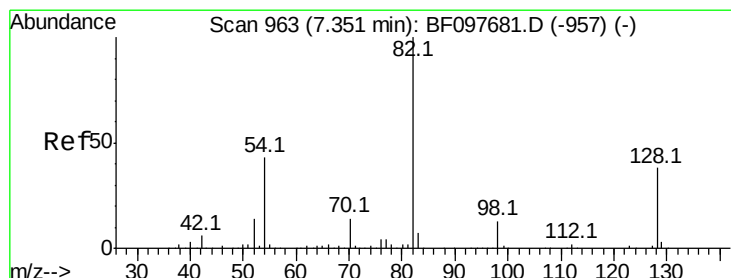
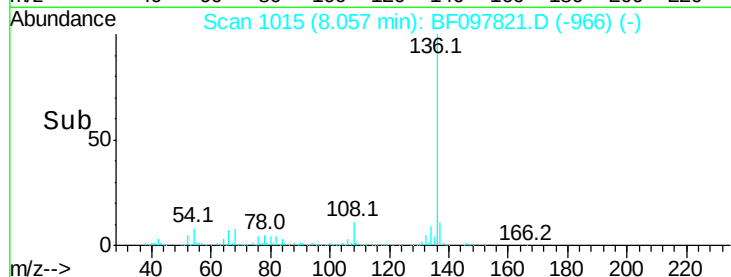
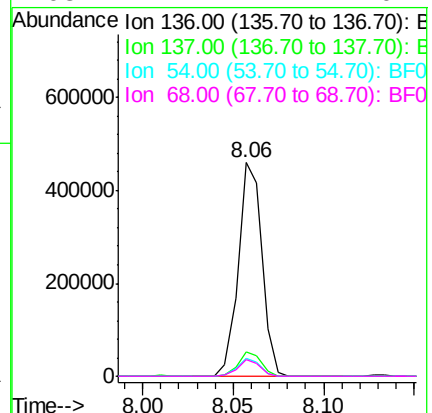
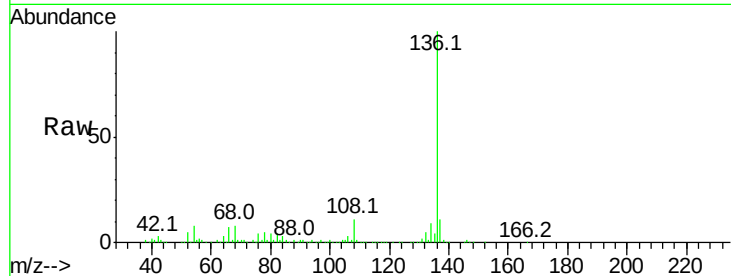
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF097821.D
Acq: 18 Aug 2017 8:21

Instrument :
BNA_F
ClientSampleID :
E2-J10-BASEDL

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.5	12.7	
54	8.3	4.9	7.3#	
68	7.7	4.1	6.1#	

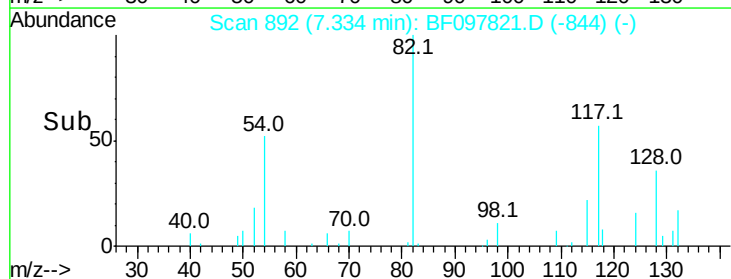
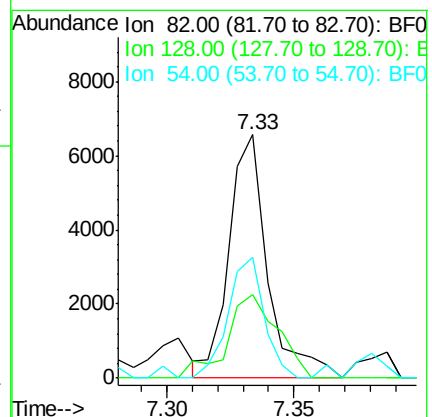
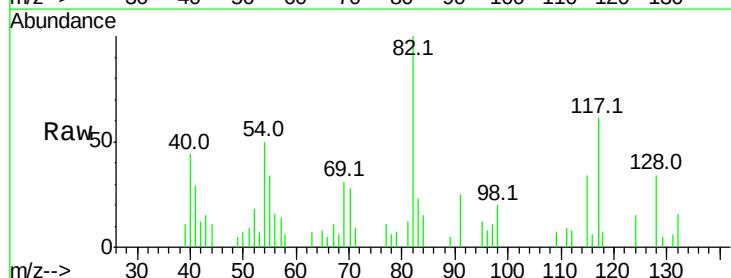
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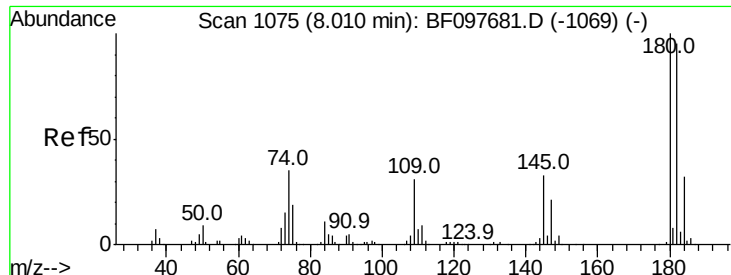
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#23
Nitrobenzene-d5
Concen: 0.902 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF097821.D
Acq: 18 Aug 2017 8:21

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	34.5	34.0	51.0	
54	49.7	42.2	63.2	





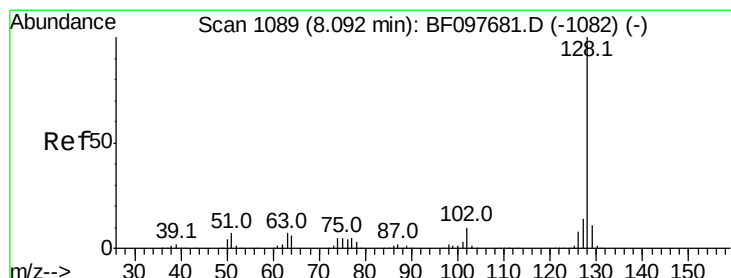
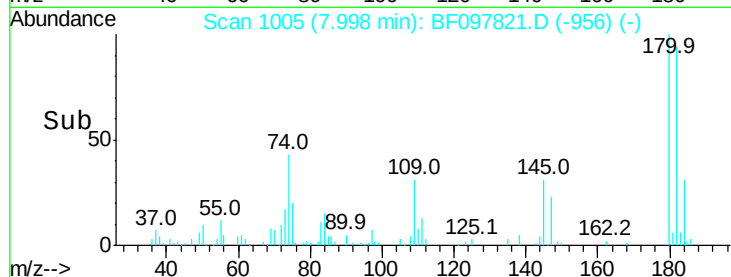
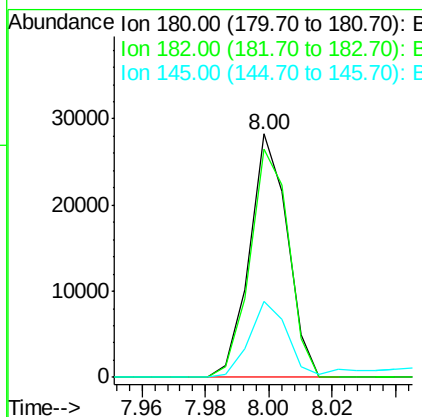
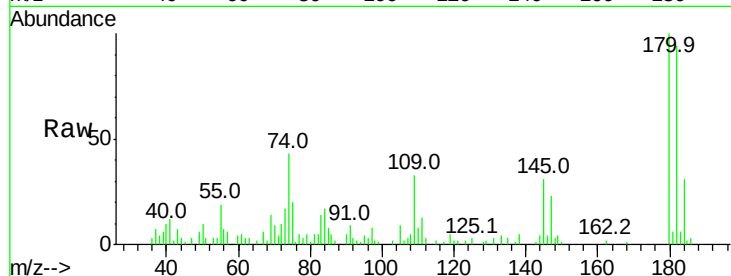
#30
 1,2,4-Trichlorobenzene
 Concen: 3.814 ng
 RT: 8.00 min Scan# 1005
 Delta R.T. -0.01 min
 Lab File: BF097821.D
 Acq: 18 Aug 2017 8:21

Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-BASEDL

Tot Ion:	180	Resp:	23420
Ion Ratio	Lower	Upper	
180	100		
182	93.7	75.8	113.6
145	31.3	25.3	37.9

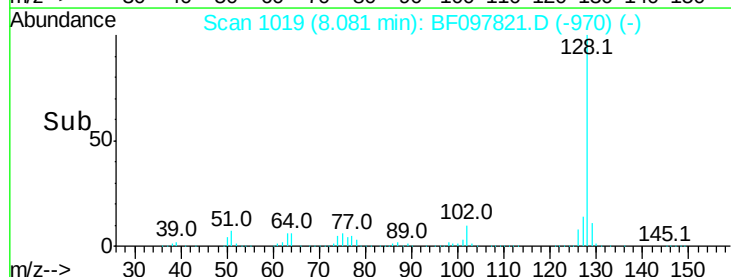
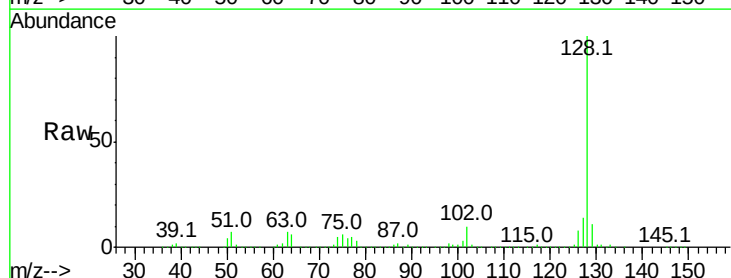
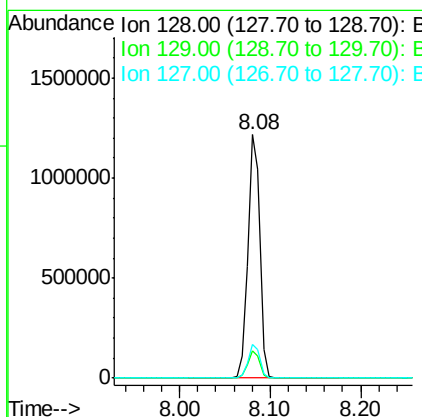
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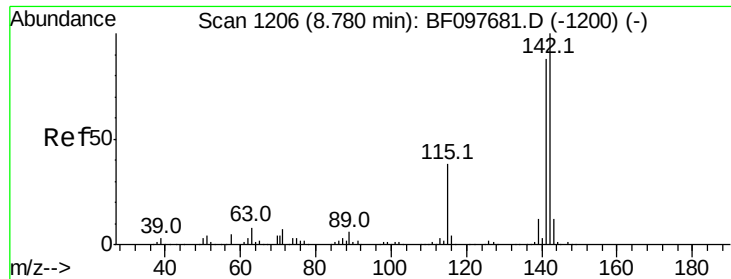
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#31
 Naphthalene
 Concen: 50.736 ng
 RT: 8.08 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BF097821.D
 Acq: 18 Aug 2017 8:21

Tgt Ion:	128	Resp:	1101162
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.0	13.6
127	13.6	10.8	16.2





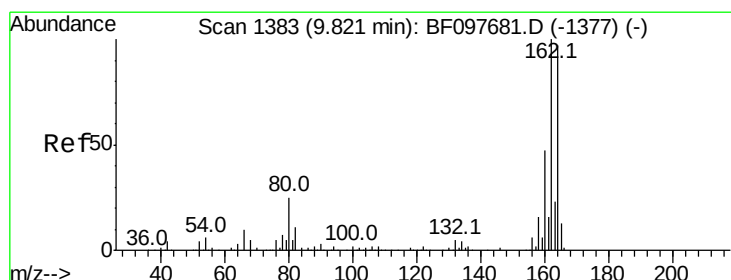
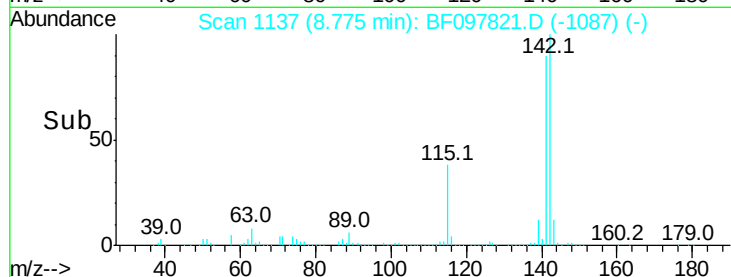
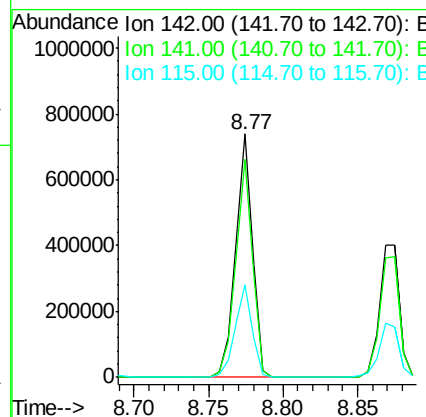
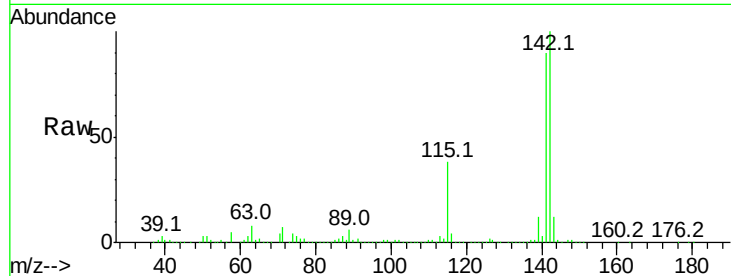
#37
2-Methylnaphthalene
Concen: 45.272 ng
RT: 8.77 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF097821.D
Acq: 18 Aug 2017 8:21

Instrument :
BNA_F
ClientSampleId :
E2-J10-BASEDL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	602415		
141	89.8	71.3	106.9	
115	37.8	27.1	40.7	

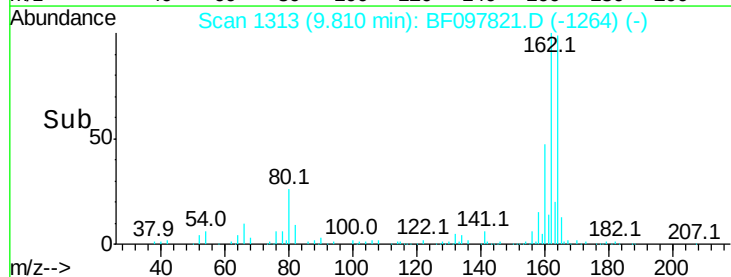
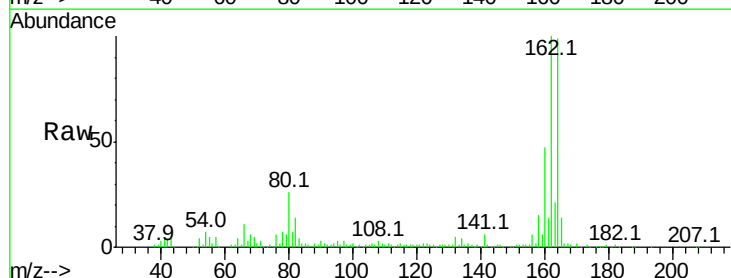
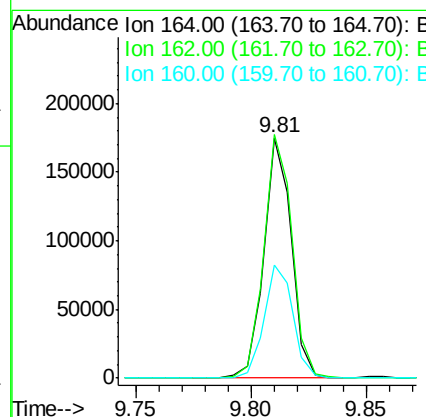
Manual Integrations
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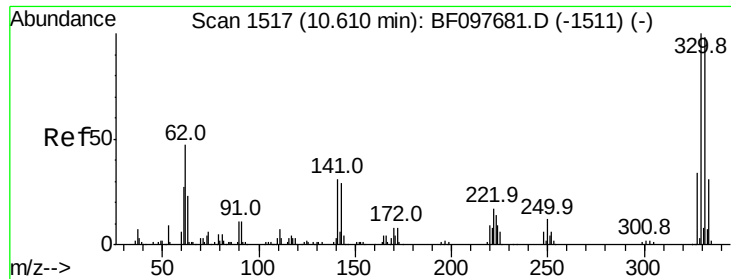
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF097821.D
Acq: 18 Aug 2017 8:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	145196		
162	101.5	82.6	123.8	
160	47.3	36.2	54.2	





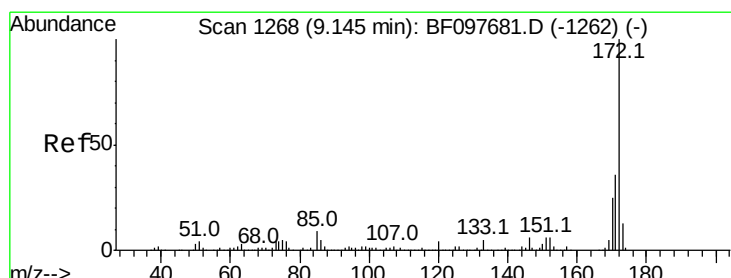
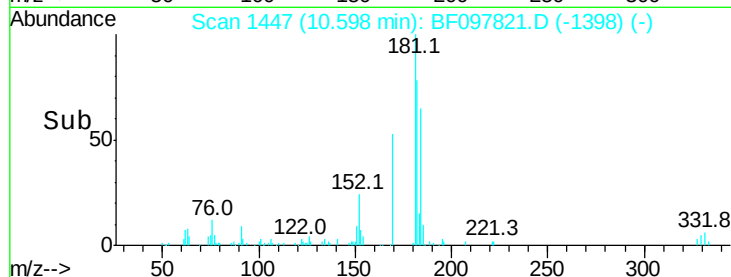
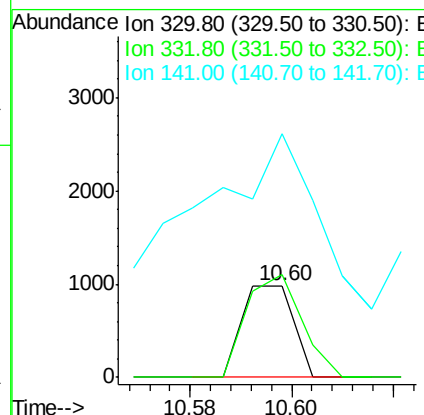
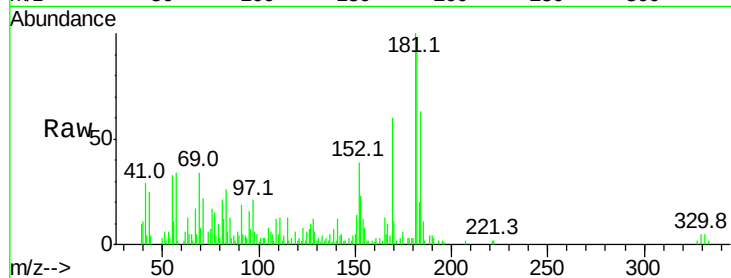
#41
 2,4,6-Tribromophenol
 Concen: 0.548 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097821.D
 Acq: 18 Aug 2017 8:21

Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-BASEDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	121.6	76.6	115.0#
141	404.8	31.4	47.2#

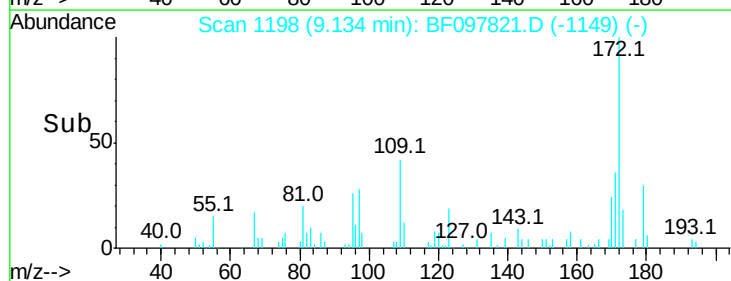
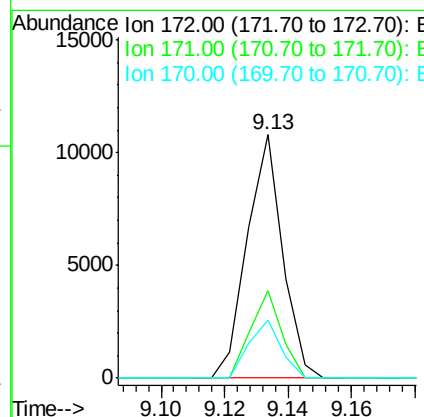
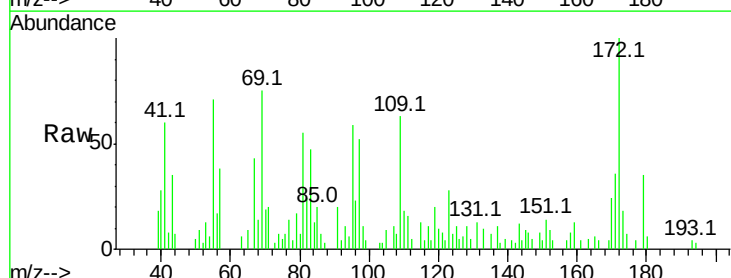
Manual Integrations
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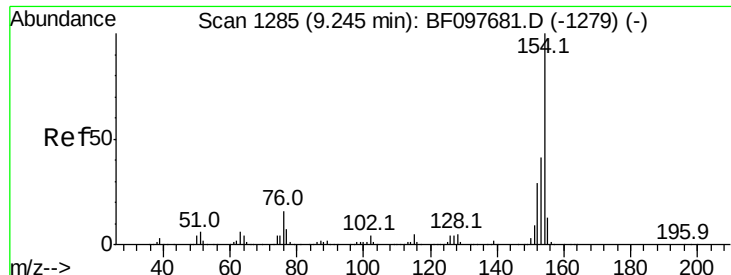
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#44
 2-Fluorobiphenyl
 Concen: 0.847 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097821.D
 Acq: 18 Aug 2017 8:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.6	19.8	29.8





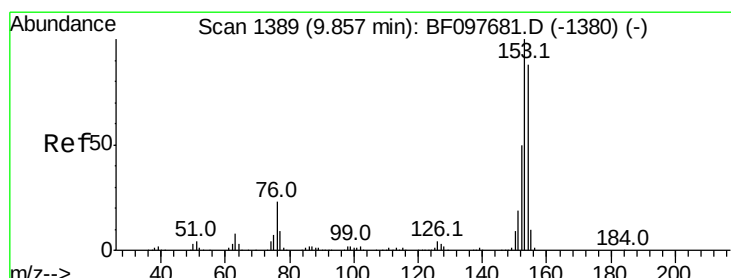
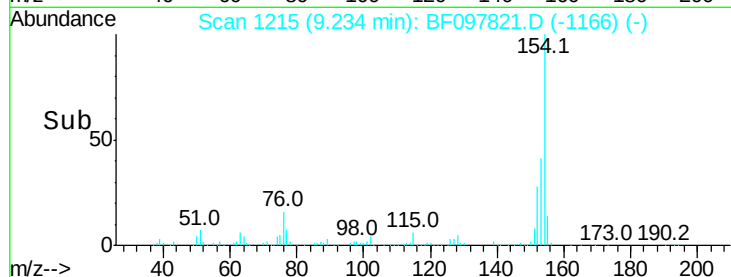
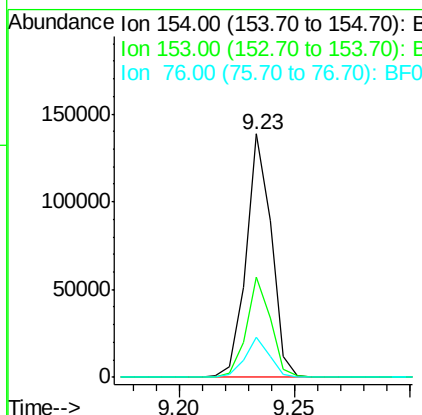
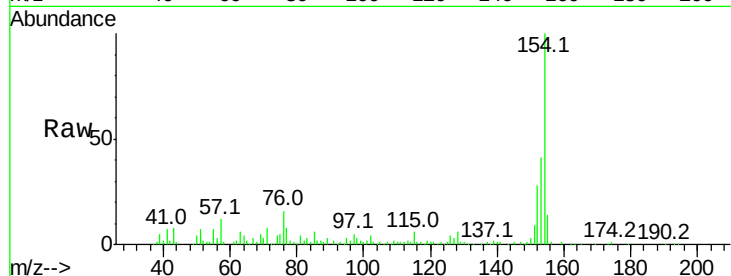
#45
 1,1'-Biphenyl
 Concen: 8.003 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF097821.D
 Acq: 18 Aug 2017 8:21

Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-BASEDL

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.3	21.2	61.2	
76	16.5	0.0	29.9	

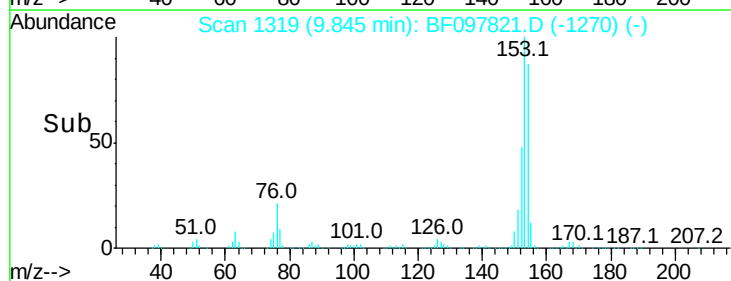
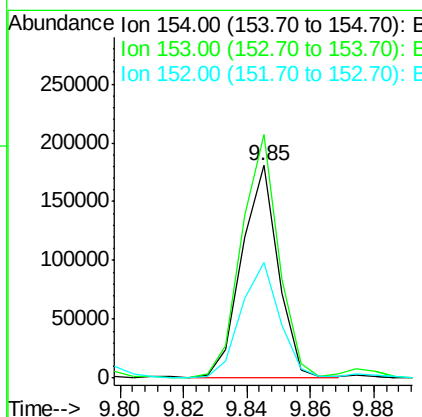
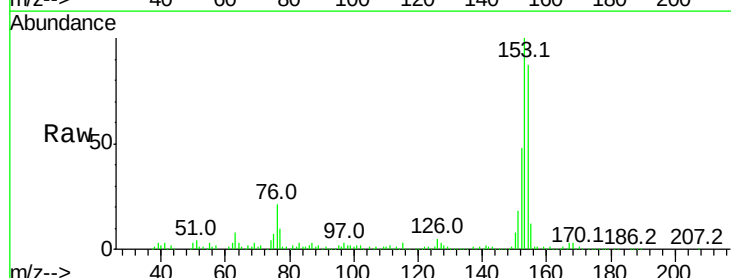
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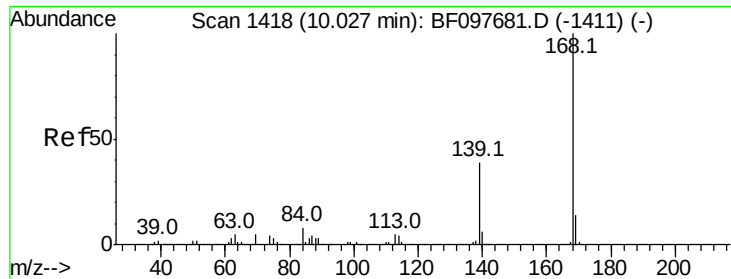
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#51
 Acenaphthene
 Concen: 14.808 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF097821.D
 Acq: 18 Aug 2017 8:21

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	114.5	90.5	135.7	
152	54.7	43.6	65.4	





#54

Dibenzenofuran

Concen: 9.092 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF097821.D

Acq: 18 Aug 2017 8:21

Instrument :

BNA_F

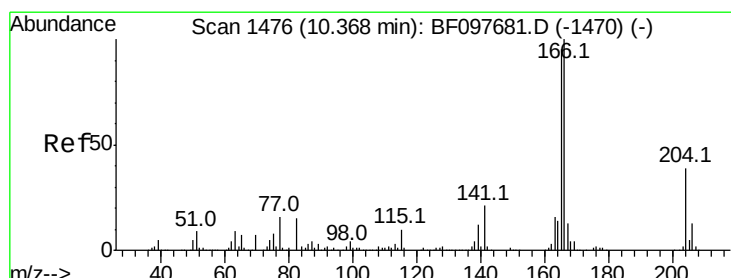
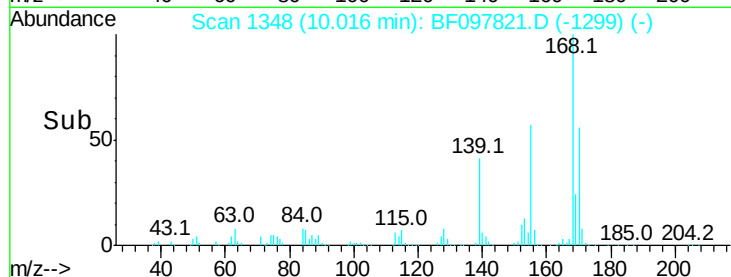
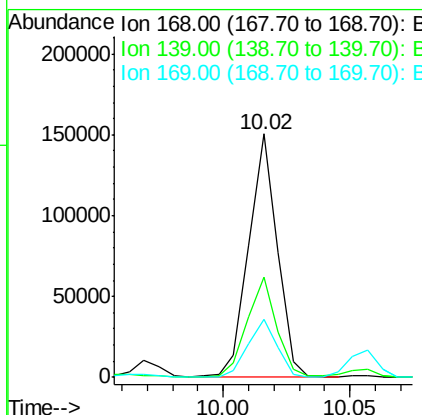
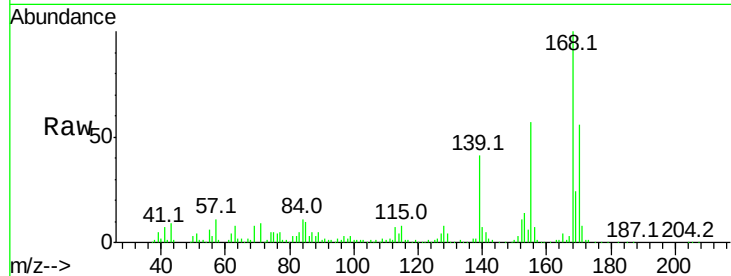
ClientSampleId :

E2-J10-BASEDL

Tot Ion:	168	Resp:	118068
Ion Ratio	Lower	Upper	
168	100		
139	41.0	30.6	45.8
169	23.7	10.8	16.2#

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#57

Fluorene

Concen: 11.760 ng

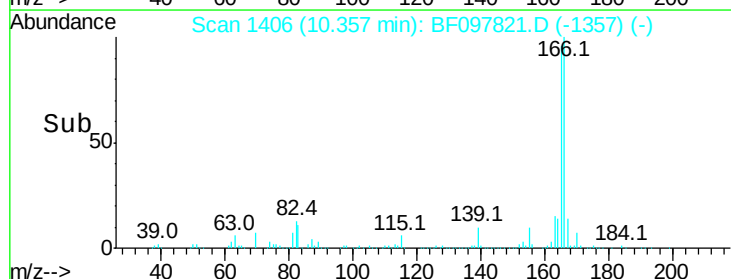
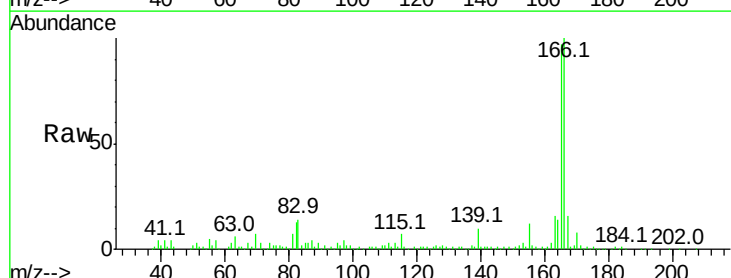
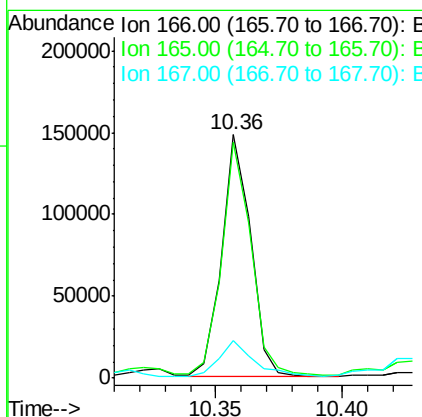
RT: 10.36 min Scan# 1406

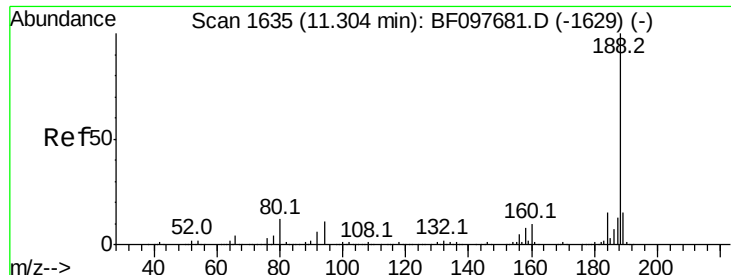
Delta R.T. -0.01 min

Lab File: BF097821.D

Acq: 18 Aug 2017 8:21

Tgt Ion:	166	Resp:	118070
Ion Ratio	Lower	Upper	
166	100		
165	96.9	78.8	118.2
167	15.6	10.6	16.0





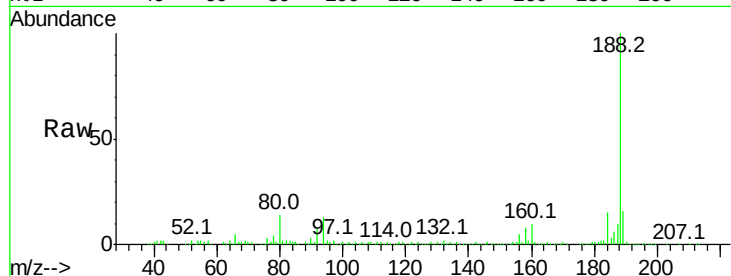
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF097821.D
Acq: 18 Aug 2017 8:21

Instrument :
BNA_F
ClientSampleId :
E2-J10-BASEDL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.6	9.4	14.2
80	13.9	10.2	15.2

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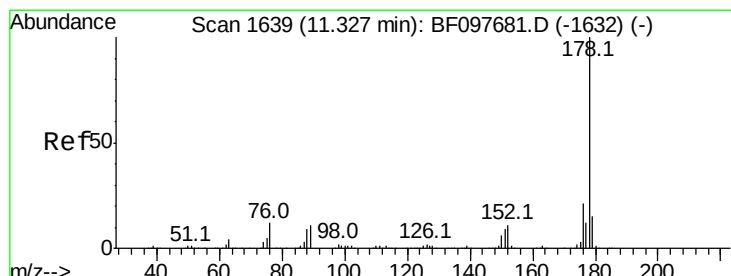
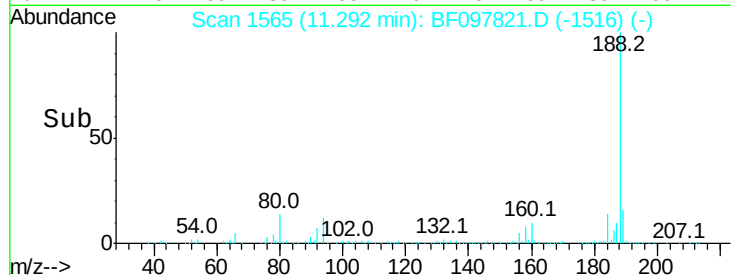
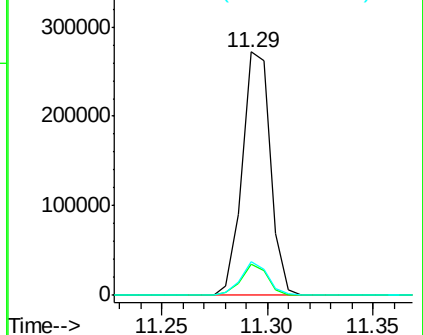
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



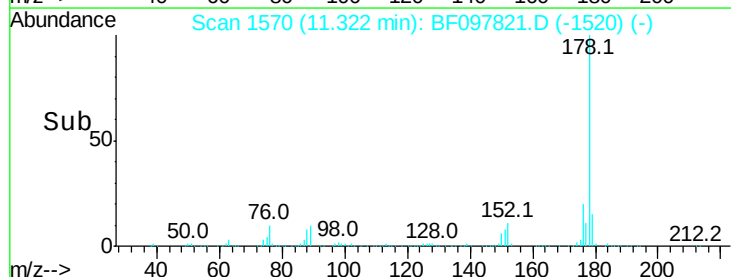
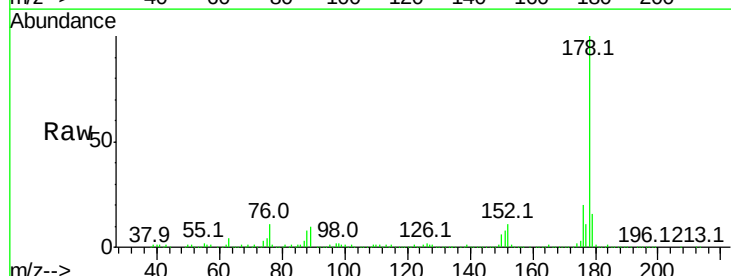
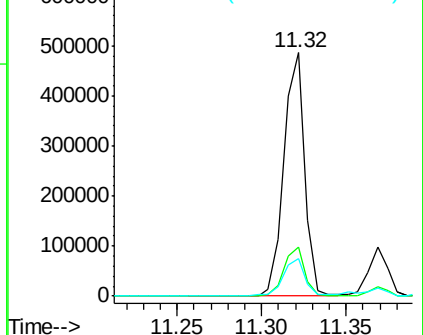
#70
Phenanthrene
Concen: 31.097 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097821.D
Acq: 18 Aug 2017 8:21

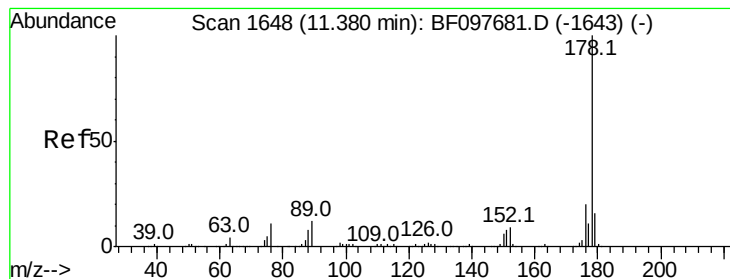
Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.0	16.2	24.4
179	15.6	12.6	19.0

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





#71

Anthracene

Concen: 5.457 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF097821.D

Acq: 18 Aug 2017 8:21

Instrument :

BNA_F

ClientSampleId :

E2-J10-BASEDL

Tot Ion:178 Resp: 74284

Ion Ratio Lower Upper

178 100

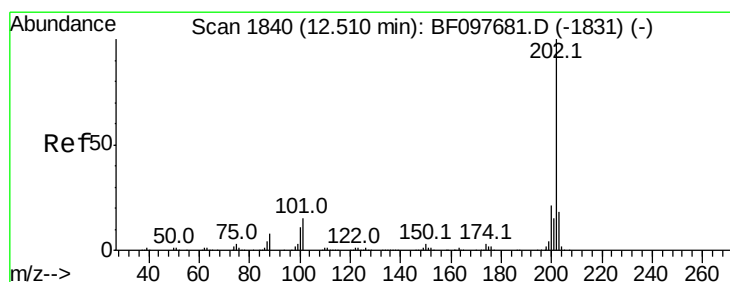
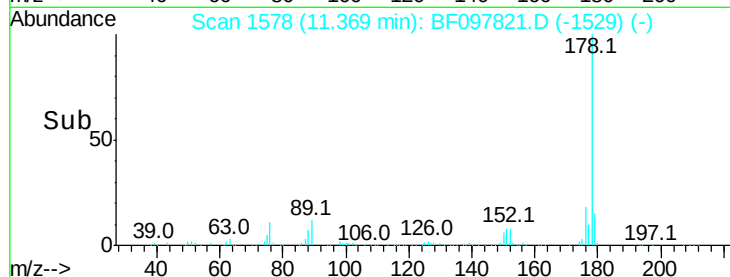
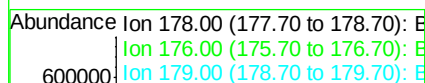
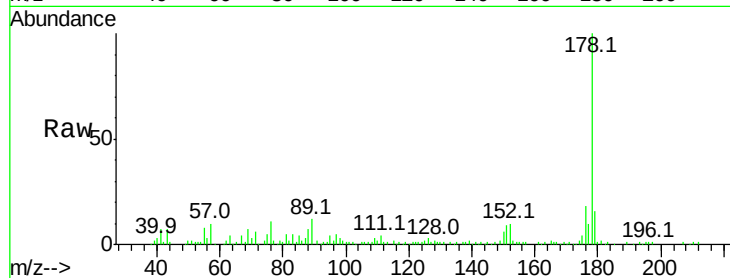
176 18.3 15.8 23.8

179 16.1 12.7 19.1

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#74

Fluoranthene

Concen: 14.621 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF097821.D

Acq: 18 Aug 2017 8:21

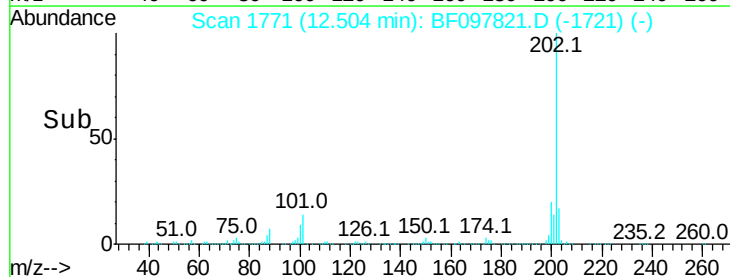
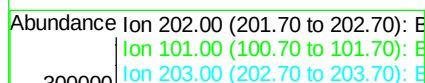
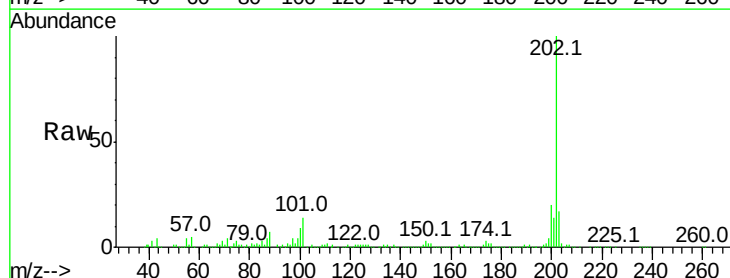
Tgt Ion:202 Resp: 204827

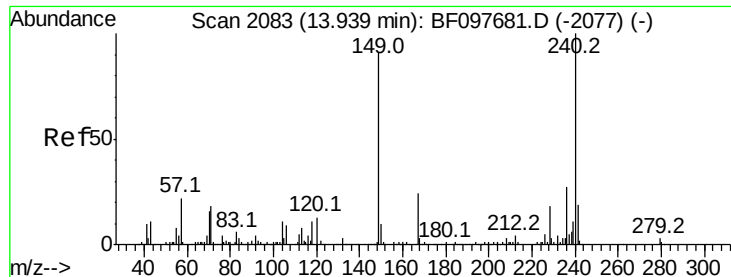
Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.2

203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF097821.D

Acq: 18 Aug 2017 8:21

Instrument :

BNA_F

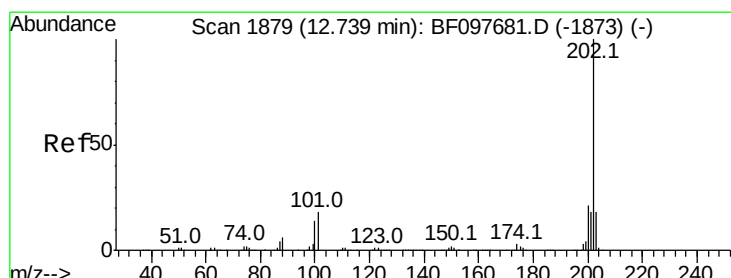
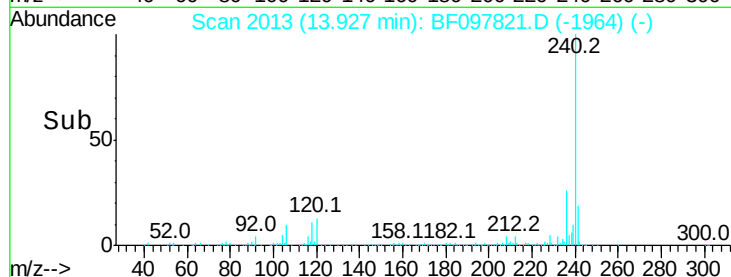
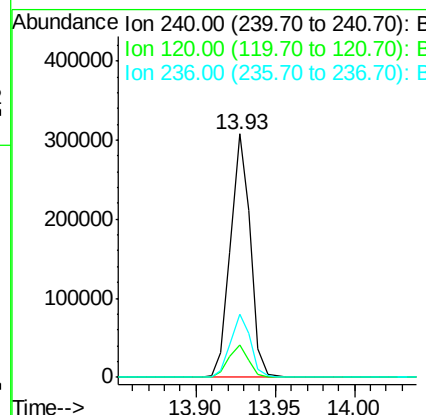
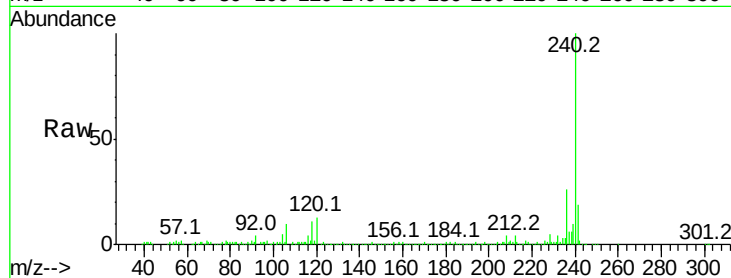
ClientSampleId :

E2-J10-BASEDL

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	5.8	8.8#
236	25.7	20.5	30.7

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#77

Pyrene

Concen: 8.356 ng

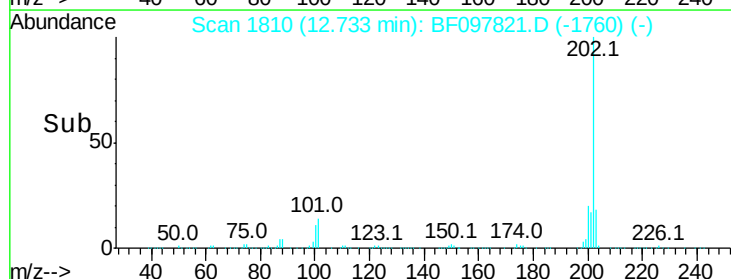
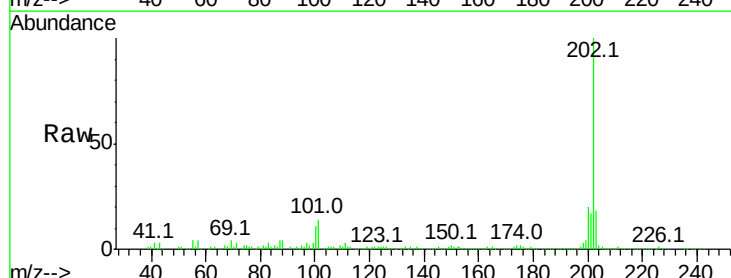
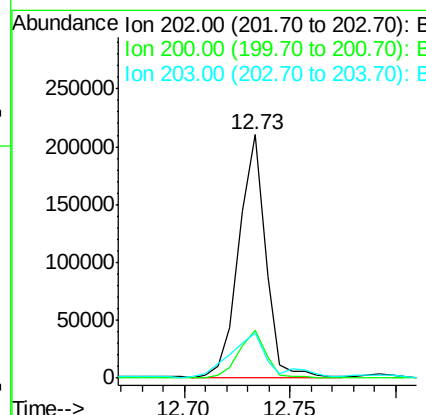
RT: 12.73 min Scan# 1810

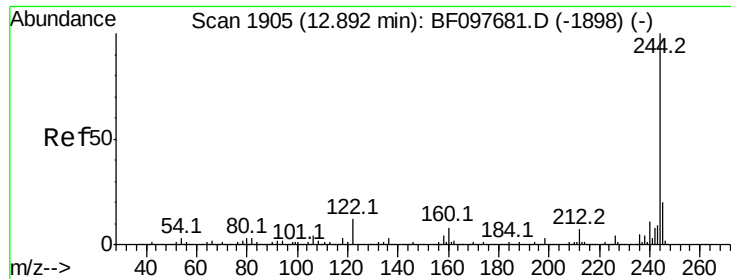
Delta R.T. -0.01 min

Lab File: BF097821.D

Acq: 18 Aug 2017 8:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.6	26.4
203	18.4	14.4	21.6





#78

Terphenyl-d14

Concen: 0.525 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097821.D

Acq: 18 Aug 2017 8:21

Instrument :

BNA_F

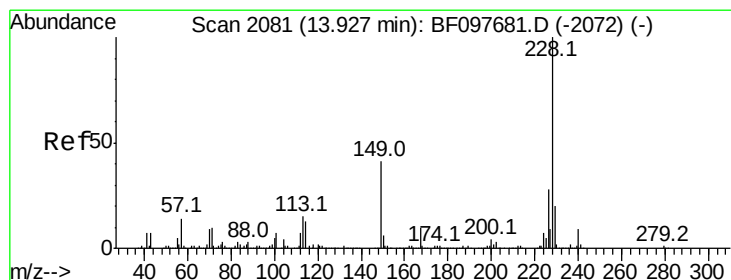
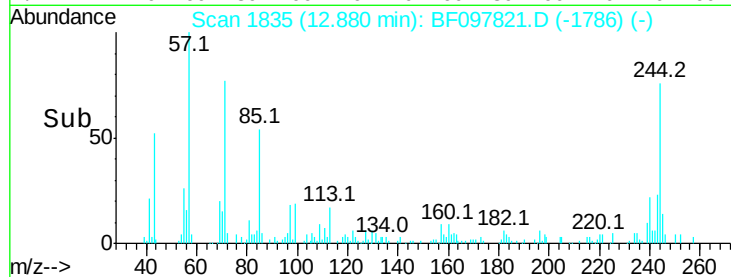
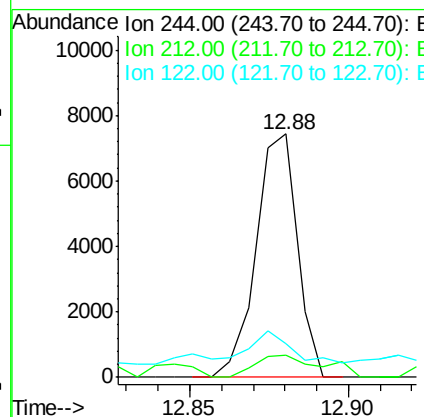
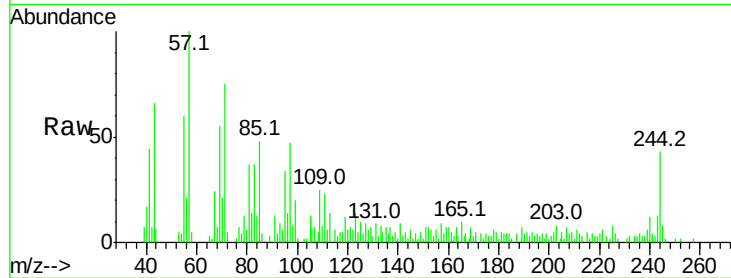
ClientSampled :

E2-J10-BASEDL

Tot Ion:	244	Resp:	6725
Ion Ratio	Lower	Upper	
244	100		
212	9.1	6.0	9.0#
122	14.0	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 3.172 ng

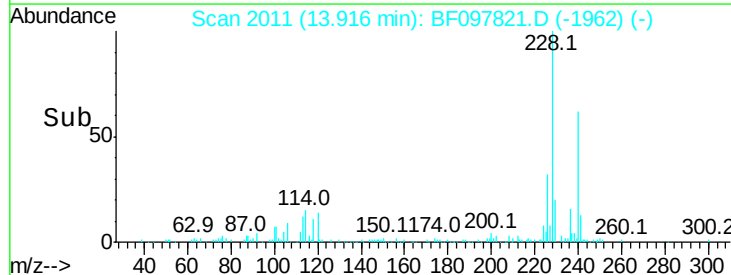
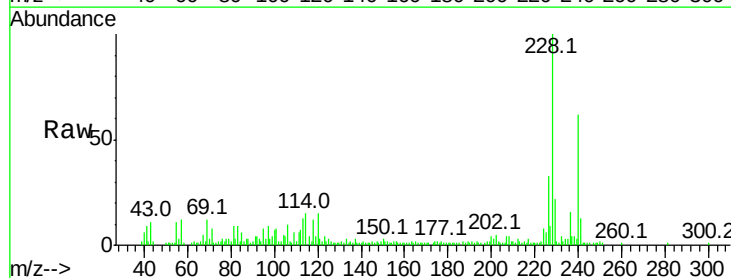
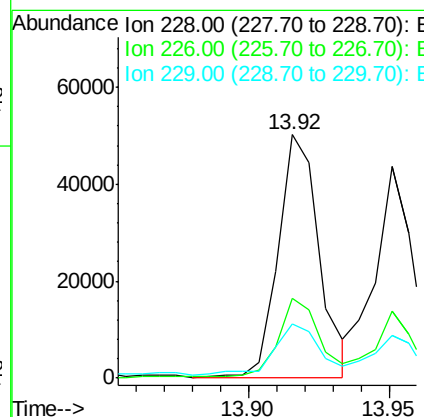
RT: 13.92 min Scan# 2011

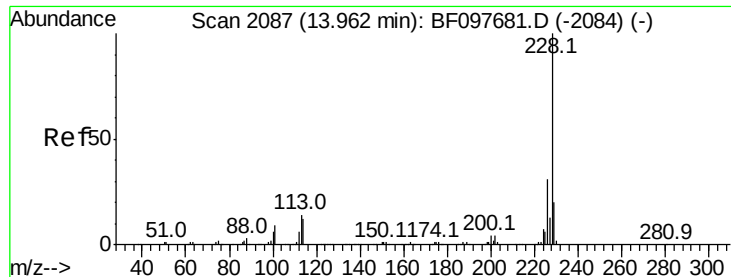
Delta R.T. -0.01 min

Lab File: BF097821.D

Acq: 18 Aug 2017 8:21

Tgt Ion:	228	Resp:	50768
Ion Ratio	Lower	Upper	
228	100		
226	33.0	22.6	33.8
229	22.1	16.3	24.5





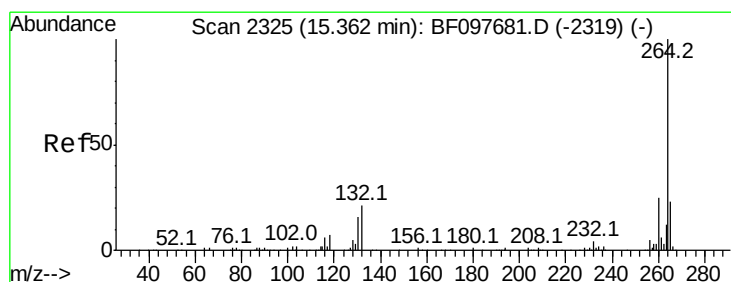
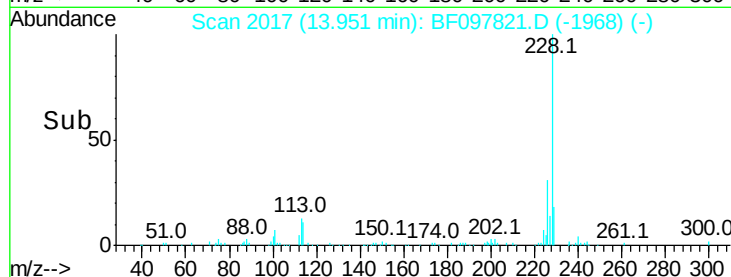
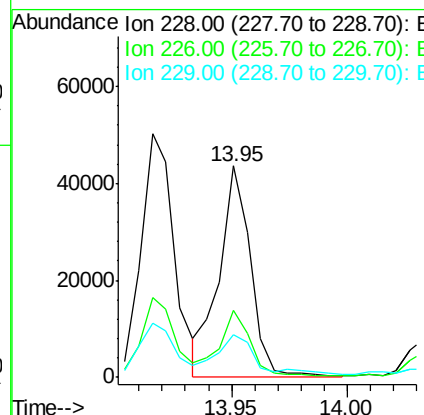
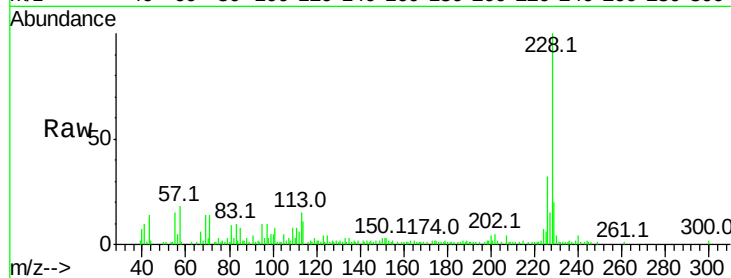
#82
Chrysene
Concen: 2.614 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF097821.D
Acq: 18 Aug 2017 8:21

Instrument :
BNA_F
ClientSampleId :
E2-J10-BASEDL

Tot Ion:	228	Resp:	41611
Ion Ratio	Lower	Upper	
228	100		
226	31.9	24.9	37.3
229	20.3	15.8	23.6

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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF097821.D
Acq: 18 Aug 2017 8:21

Tgt Ion:	264	Resp:	180635
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.5	29.3
265	21.3	17.2	25.8

