

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097388.D
 Acq On : 5 Aug 2017 6:54
 Operator : SJ/JU
 Sample : I4522-01DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 TP-2-SS1DL

Manual Integrations
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Quant Time: Aug 06 05:12:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	110669	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	421567	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	158099	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	211492	20.00	ng	-0.07
75) Chrysene-d12	13.56	240	201121	20.00	ng	-0.07
86) Perylene-d12	14.89	264	166014	20.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	68635	9.35	ng	-0.05
7) Phenol-d6	6.12	99	97816	11.67	ng	-0.05
23) Nitrobenzene-d5	7.01	82	47256	6.58	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	11378	9.11	ng	-0.07
44) 2-Fluorobiphenyl	8.79	172	101898	10.94	ng	-0.08
78) Terphenyl-d14	12.51	244	58713	5.95	ng	-0.08

Target Compounds				Qvalue		
31) Naphthalene	7.75	128	52105	2.622	ng	97
51) Acenaphthene	9.49	154	45289	5.041	ng	99
54) Dibenzofuran	9.67	168	41815	3.494	ng	98
57) Fluorene	10.00	166	51051	5.676	ng	97
70) Phenanthrene	10.96	178	463343	40.889	ng	98
71) Anthracene	11.01	178	130409	11.236	ng	99
72) Carbazole	11.17	167	55140	4.831	ng	99
74) Fluoranthene	12.14	202	518631	46.718	ng	98
77) Pyrene	12.36	202	488254	29.654	ng	99
80) Benzo(a)anthracene	13.54	228	277371	21.314	ng	99
82) Chrysene	13.58	228	231652	18.230	ng	97
85) Indeno(1,2,3-cd)pyrene	16.09	276	83371	7.651	ng	94
87) Benzo(b)fluoranthene	14.54	252	228231m	22.870	ng	
88) Benzo(k)fluoranthene	14.56	252	92211m	9.697	ng	
89) Benzo(a)pyrene	14.84	252	179775	19.683	ng	97
90) Dibenzo(a,h)anthracene	16.09	278	23650m	3.158	ng	
91) Benzo(g,h,i)perylene	16.44	276	74359	9.467	ng	95

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

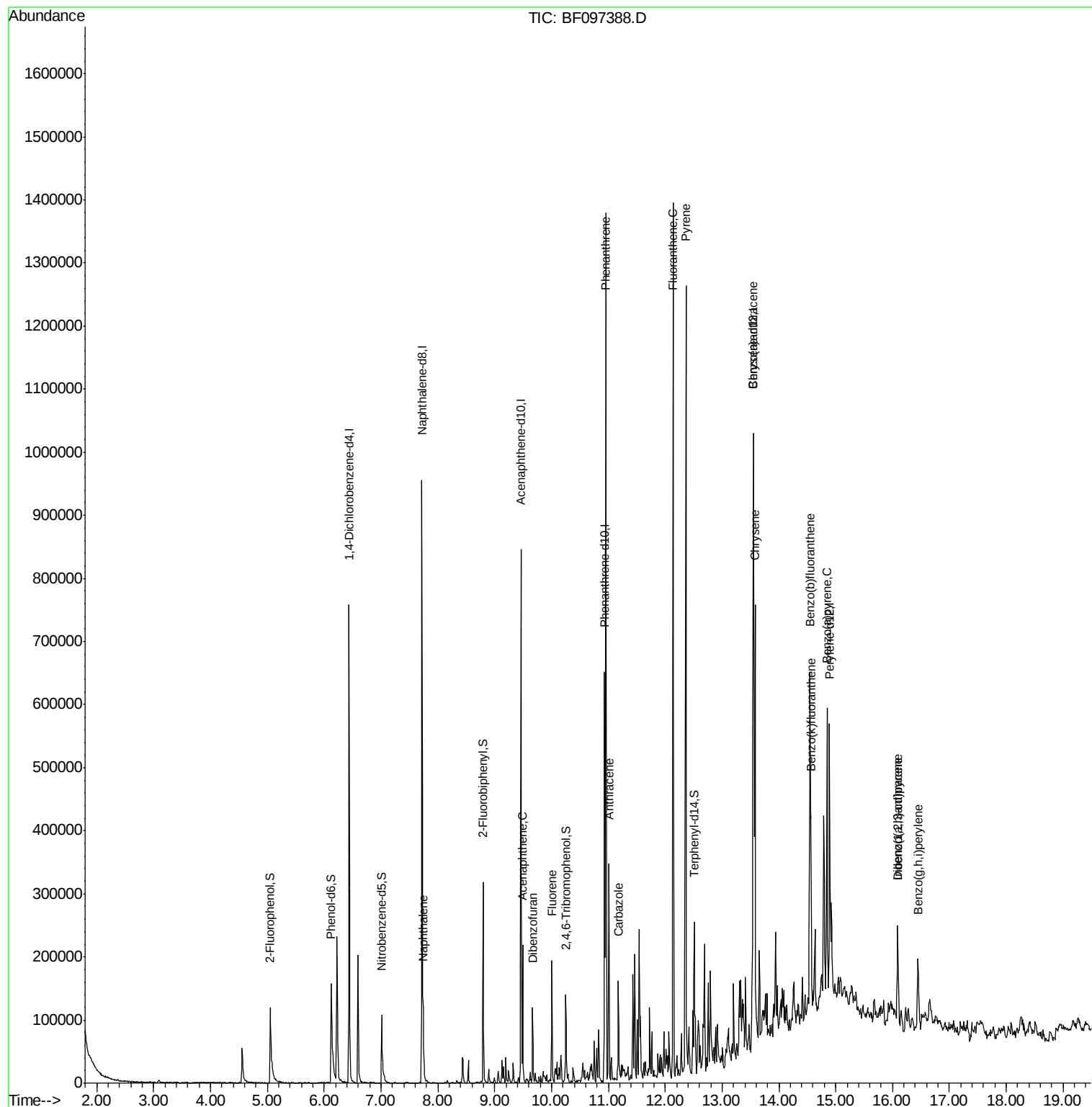
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
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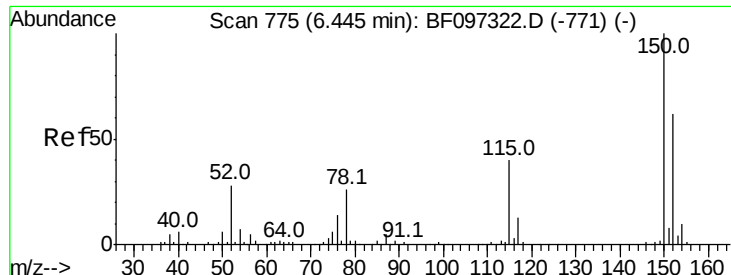
Instrument :
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ClientSampleId :
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#1

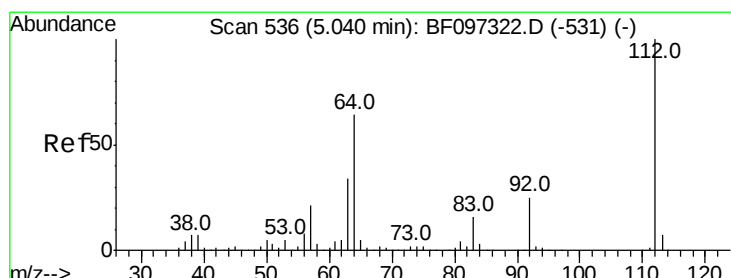
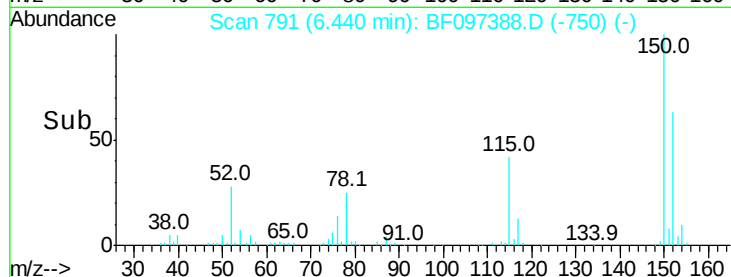
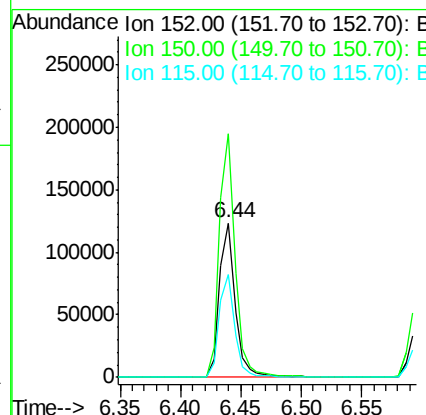
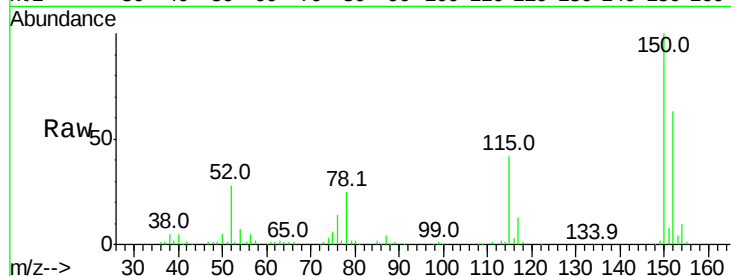
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Instrument :
BNA_F
ClientSampleId :
TP-2-SS1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.2	189.2
115	66.3	52.2	78.2

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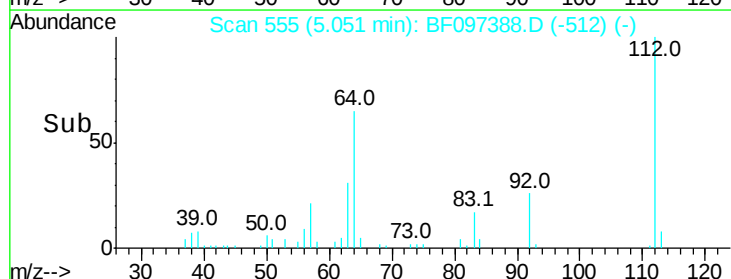
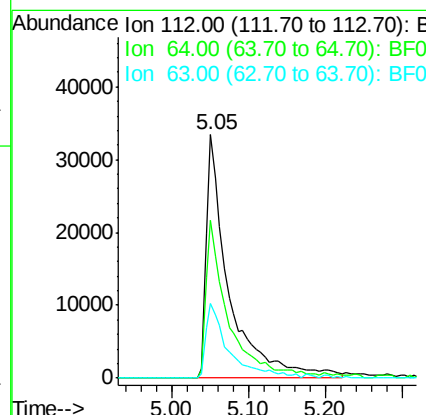
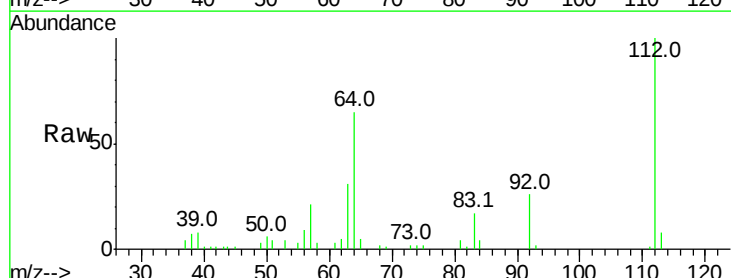
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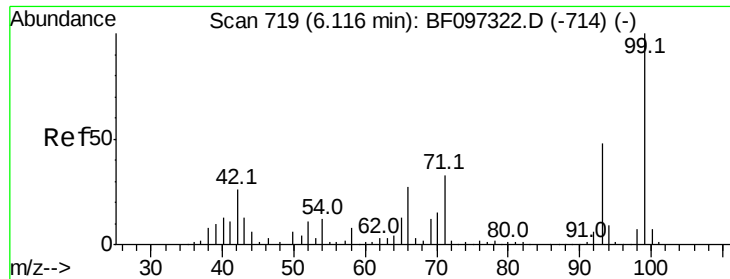


#5

2-Fluorophenol
Concen: 9.349 ng
RT: 5.05 min Scan# 555
Delta R.T. -0.05 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	46.0	69.0
63	30.7	23.4	35.0





#7

Phenol-d6

Concen: 11.671 ng

RT: 6.12 min Scan# 737

Delta R.T. -0.05 min

Lab File: BF097388.D

Acq: 5 Aug 2017 6:54

Instrument :

BNA_F

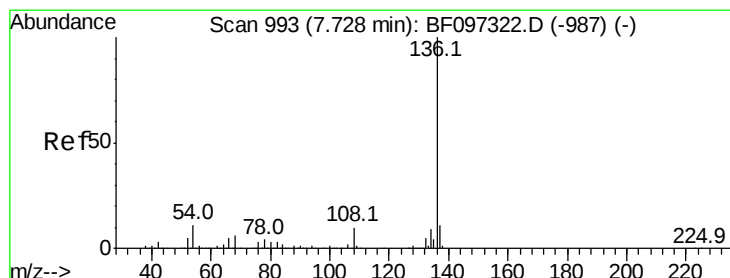
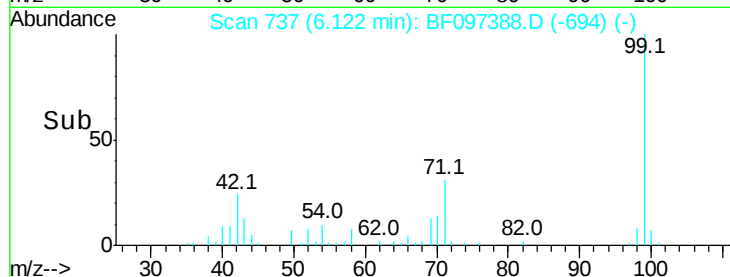
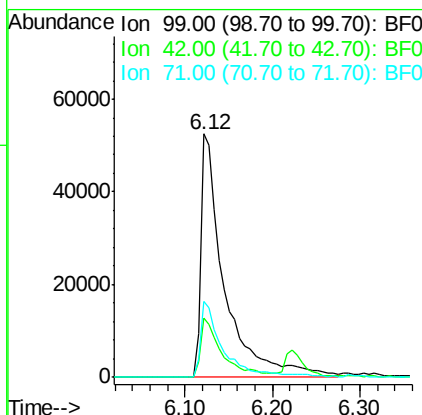
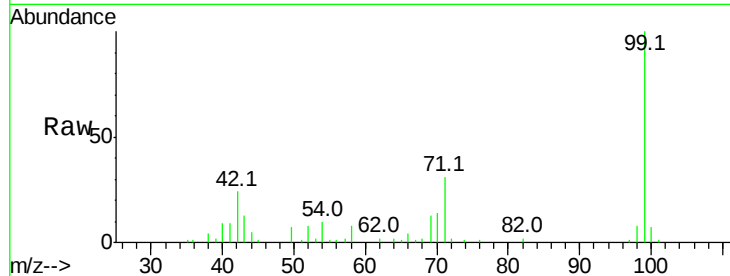
ClientSampleId :

TP-2-SS1DL

Tot Ion:	99	Resp:	97816
Ion Ratio	Lower	Upper	
99	100		
42	24.2	13.5	20.3#
71	30.9	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

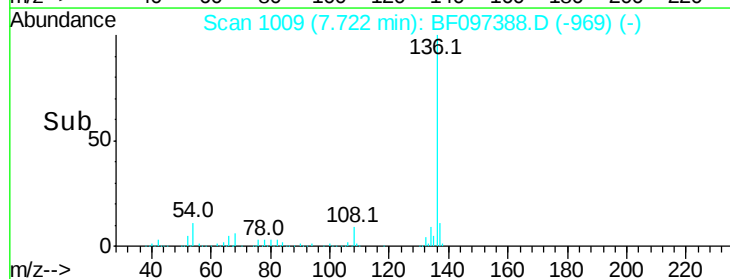
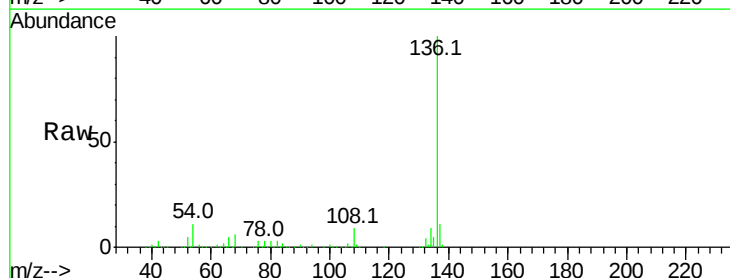
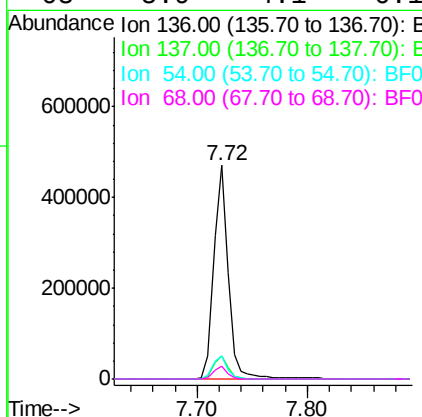
RT: 7.72 min Scan# 1009

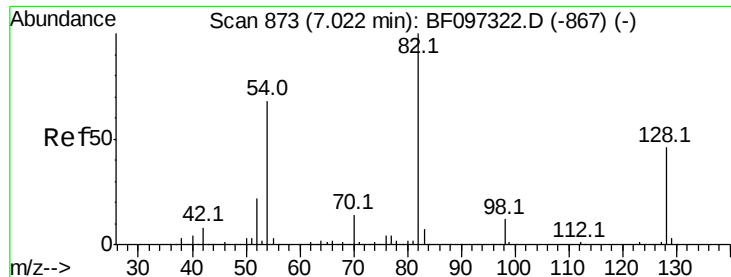
Delta R.T. -0.06 min

Lab File: BF097388.D

Acq: 5 Aug 2017 6:54

Tgt Ion:	136	Resp:	421567
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	10.9	4.9	7.3#
68	5.9	4.1	6.1





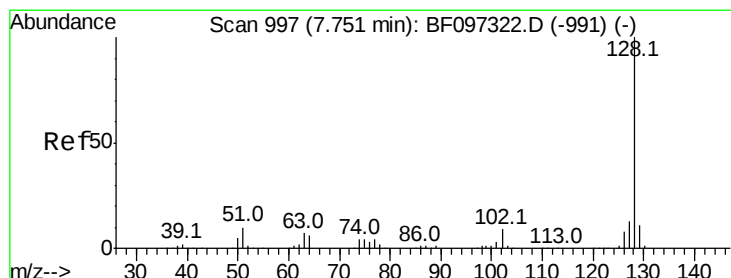
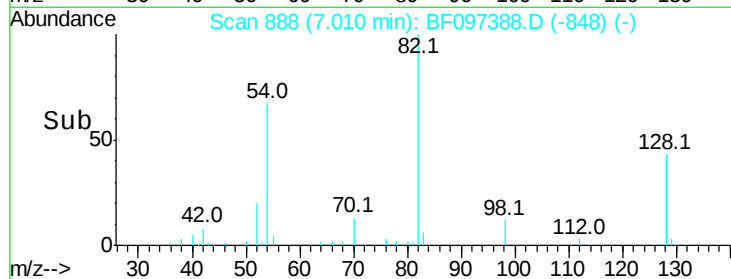
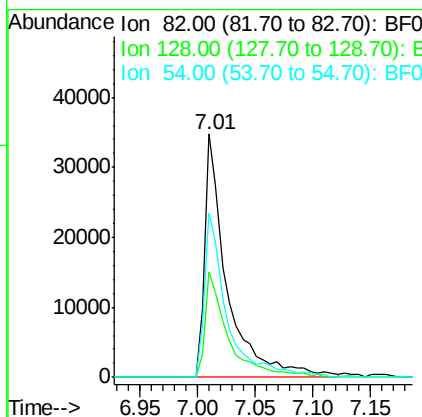
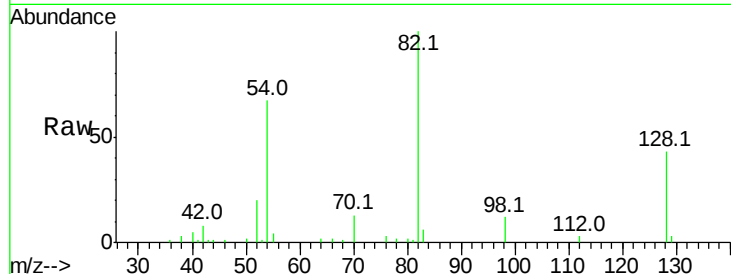
#23
Nitrobenzene-d5
Concen: 6.576 ng
RT: 7.01 min Scan# 888
Delta R.T. -0.06 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Instrument :
BNA_F
ClientSampleId :
TP-2-SS1DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.0	51.0
54	67.4	42.2	63.2

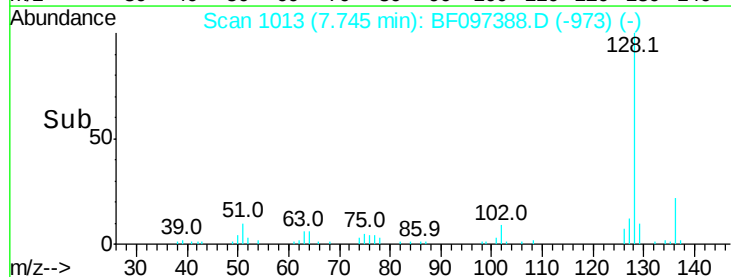
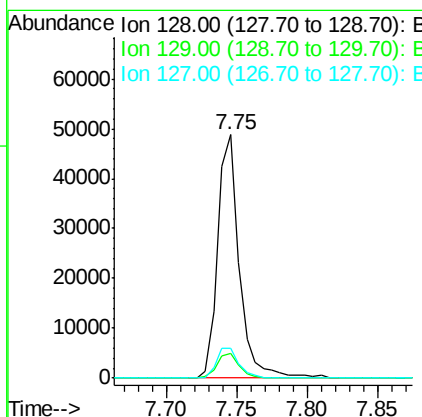
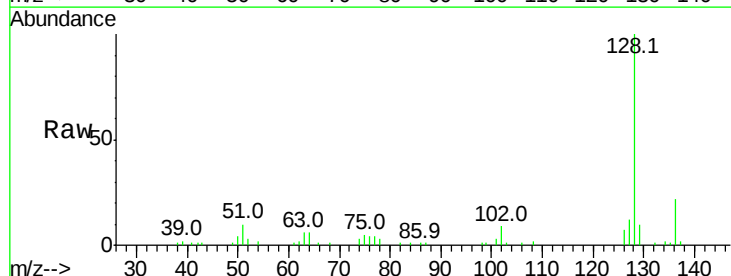
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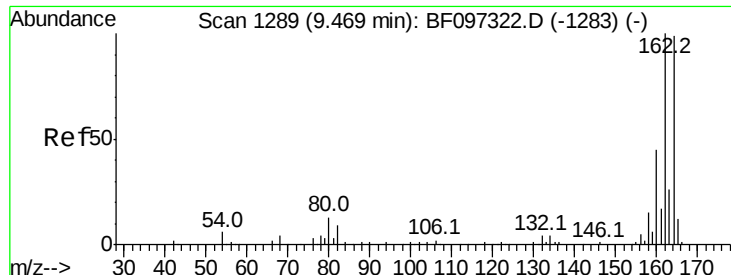
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#31
Naphthalene
Concen: 2.622 ng
RT: 7.75 min Scan# 1013
Delta R.T. -0.06 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.0	13.6
127	12.4	10.8	16.2





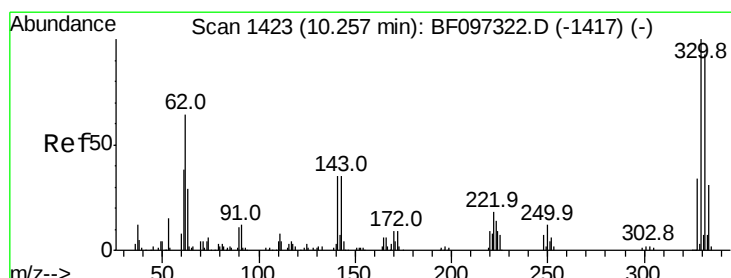
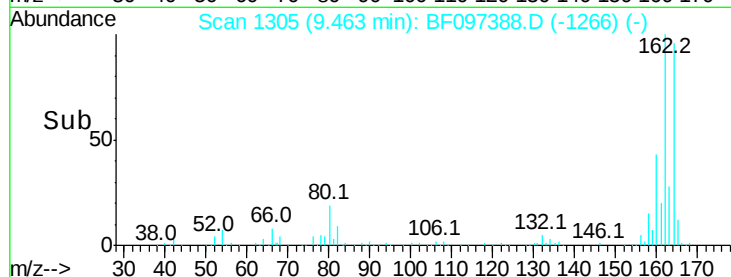
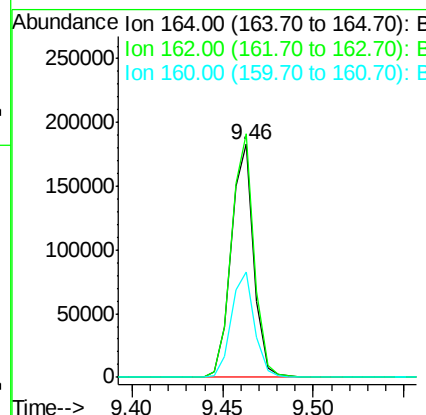
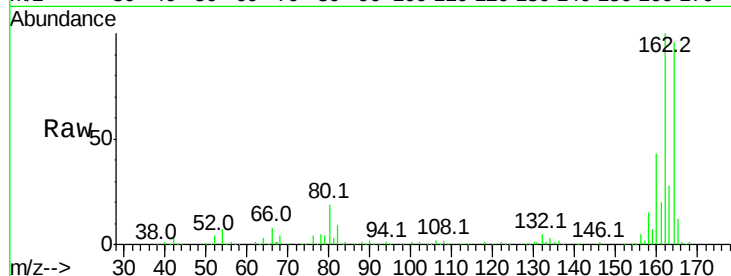
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.46 min Scan# 1305
 Delta R.T. -0.07 min
 Lab File: BF097388.D
 Acq: 5 Aug 2017 6:54

Instrument :
 BNA_F
 ClientSampled :
 TP-2-SS1DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.6	123.8
160	45.1	36.2	54.2

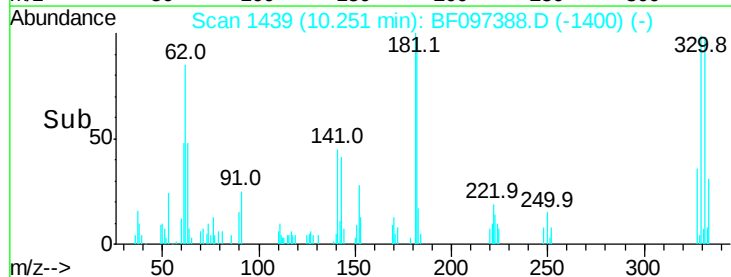
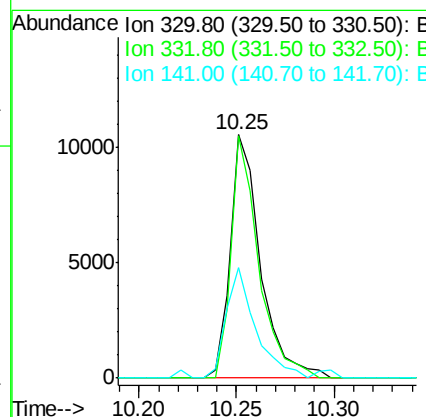
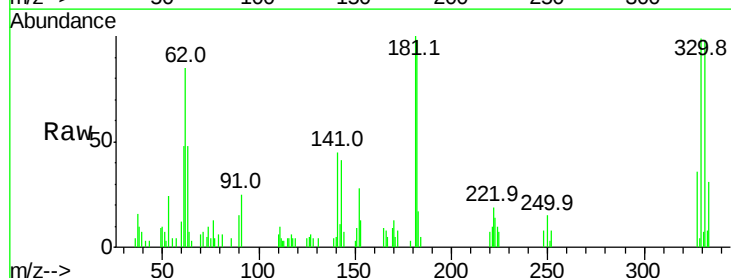
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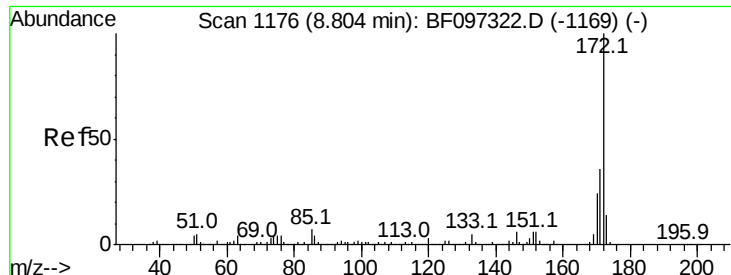
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#41
 2,4,6-Tribromophenol
 Concen: 9.109 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.07 min
 Lab File: BF097388.D
 Acq: 5 Aug 2017 6:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	90.7	76.6	115.0
141	44.2	31.4	47.2





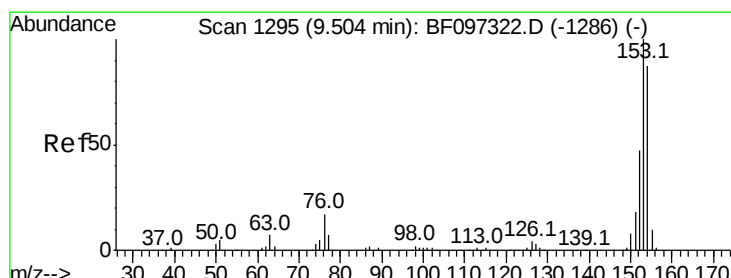
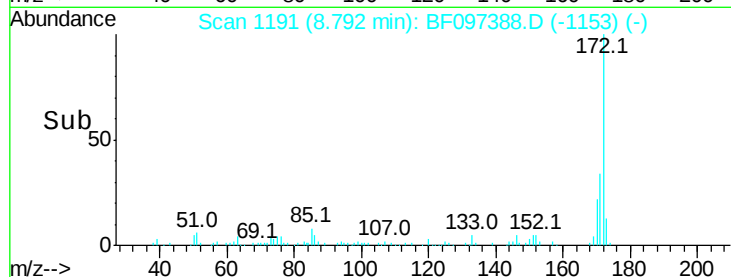
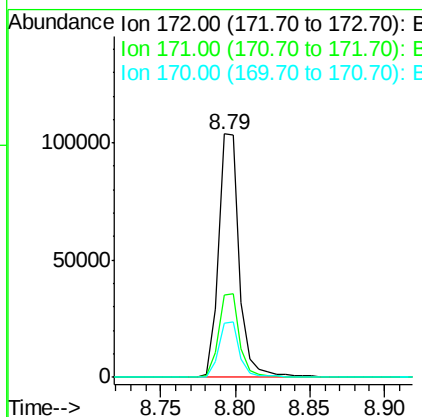
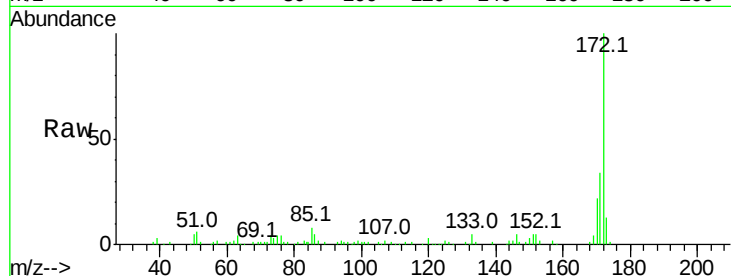
#44
 2-Fluorobiphenyl
 Concen: 10.938 ng
 RT: 8.79 min Scan# 1191
 Delta R.T. -0.08 min
 Lab File: BF097388.D
 Acq: 5 Aug 2017 6:54

Instrument :
 BNA_F
 ClientSampled :
 TP-2-SS1DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	101898		
171	33.9		29.6	44.4
170	22.4		19.8	29.8

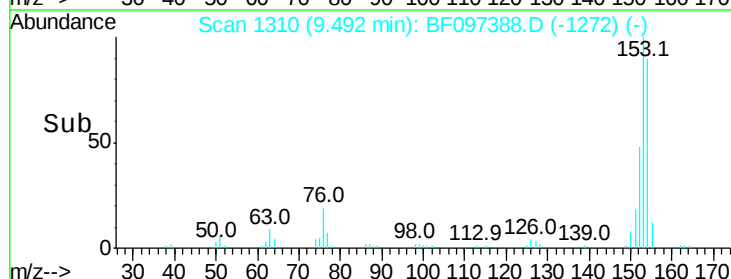
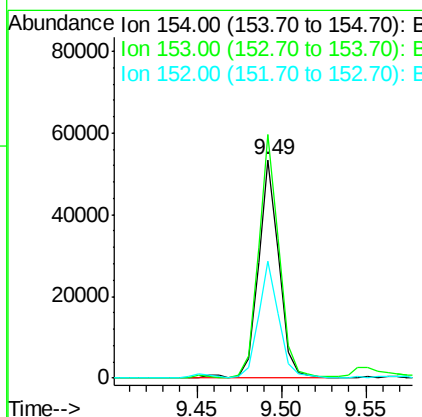
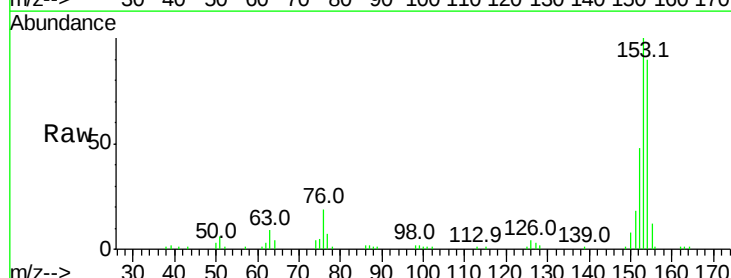
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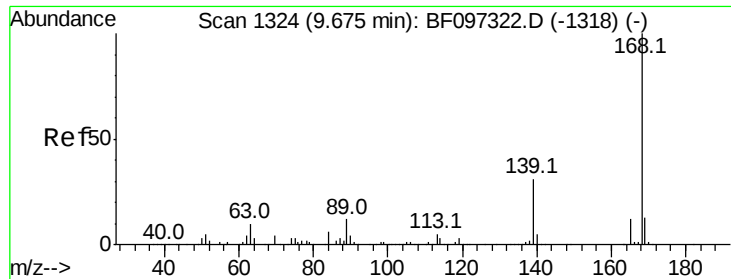
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#51
 Acenaphthene
 Concen: 5.041 ng
 RT: 9.49 min Scan# 1310
 Delta R.T. -0.08 min
 Lab File: BF097388.D
 Acq: 5 Aug 2017 6:54

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	45289		
153	111.6		90.5	135.7
152	53.5		43.6	65.4





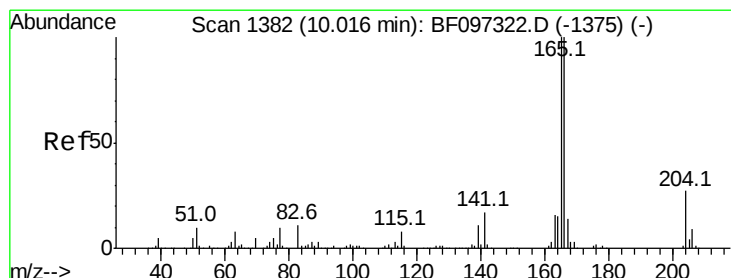
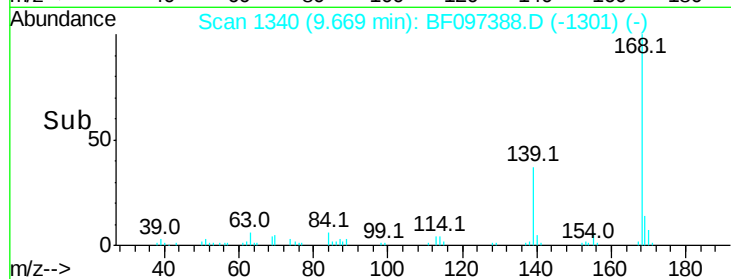
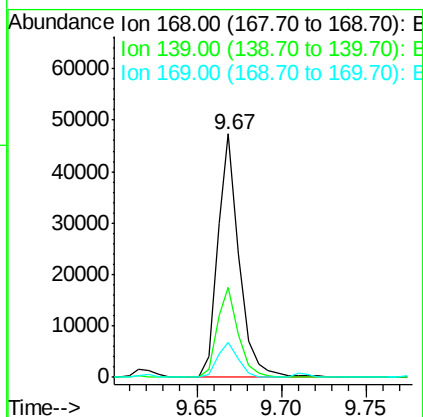
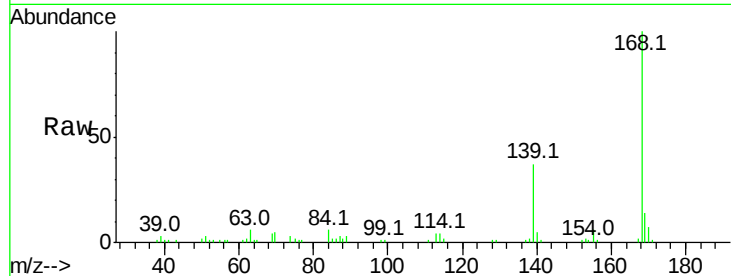
#54
Dibenzenofuran
Concen: 3.494 ng
RT: 9.67 min Scan# 1340
Delta R.T. -0.07 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Instrument :
BNA_F
ClientSampleId :
TP-2-SS1DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.0	30.6	45.8
169	14.4	10.8	16.2

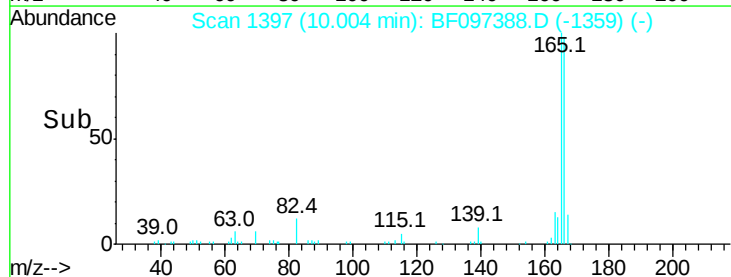
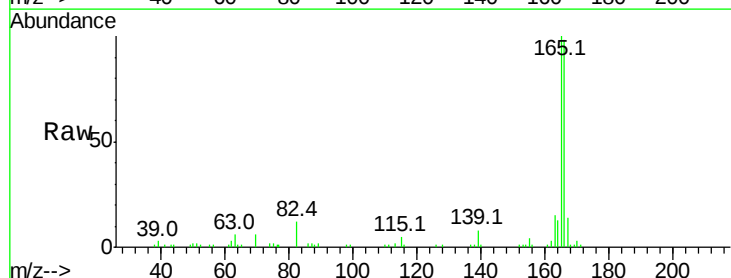
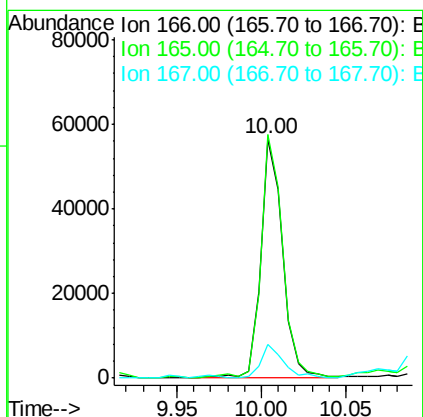
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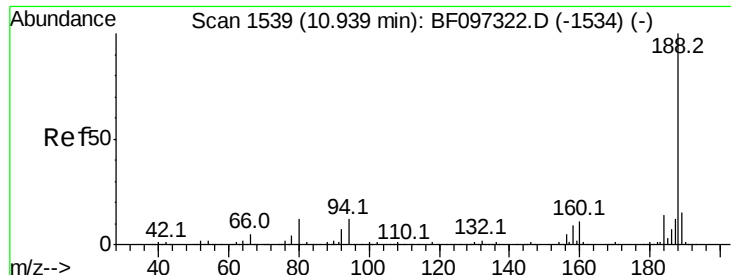
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#57
Fluorene
Concen: 5.676 ng
RT: 10.00 min Scan# 1397
Delta R.T. -0.08 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.9	78.8	118.2
167	14.0	10.6	16.0





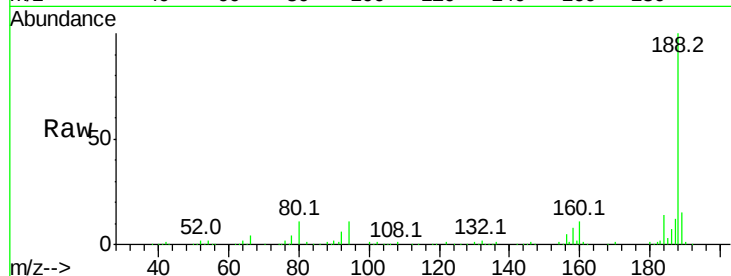
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.07 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Instrument :
BNA_F
ClientSampleId :
TP-2-SS1DL

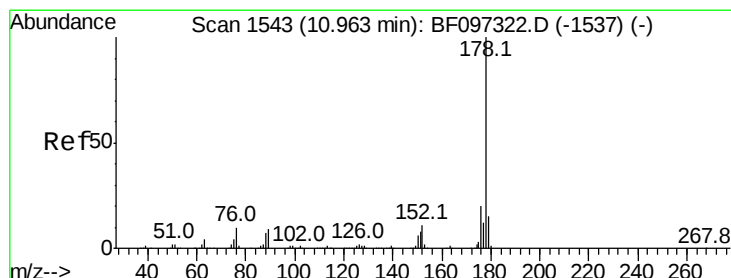
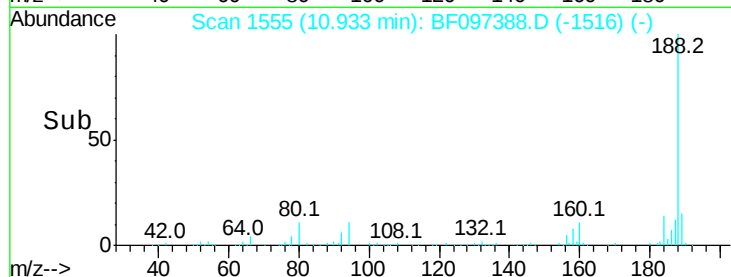
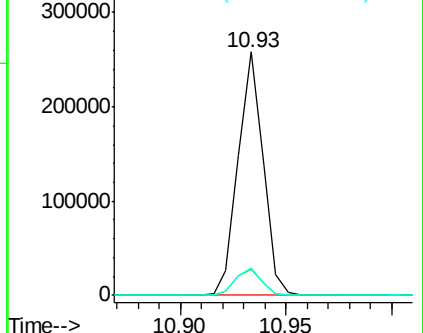
Tot Ion	Ratio	Resp	Lower	Upper
188	100	211492		
94	10.8		9.4	14.2
80	11.3		10.2	15.2

Manual Integrations
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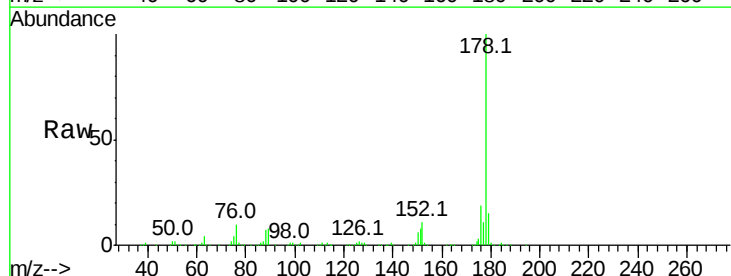


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

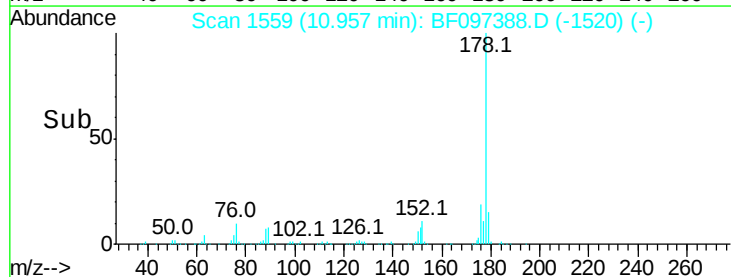
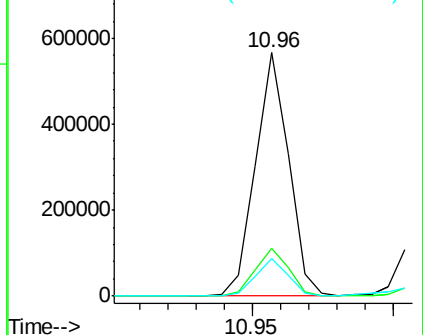


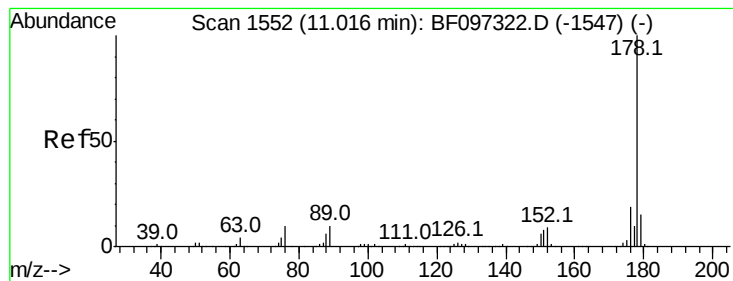
#70
Phenanthrene
Concen: 40.889 ng
RT: 10.96 min Scan# 1559
Delta R.T. -0.07 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	463343		
176	19.4		16.2	24.4
179	15.4		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





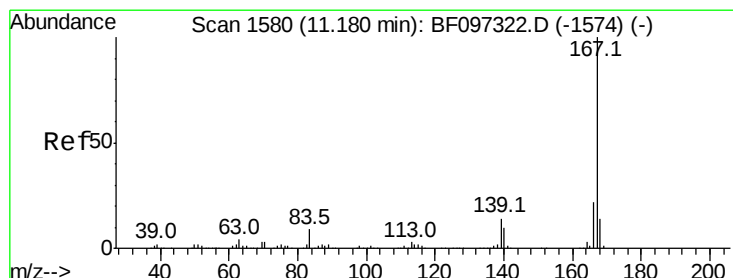
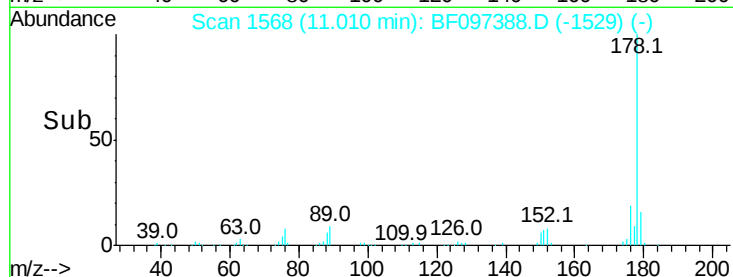
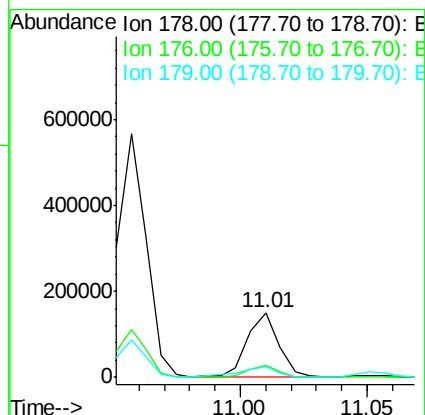
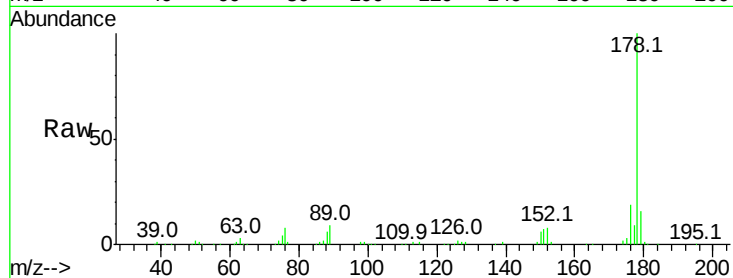
#71
 Anthracene
 Concen: 11.236 ng
 RT: 11.01 min Scan# 1568
 Delta R.T. -0.07 min
 Lab File: BF097388.D
 Acq: 5 Aug 2017 6:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-SS1DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.6	12.7	19.1

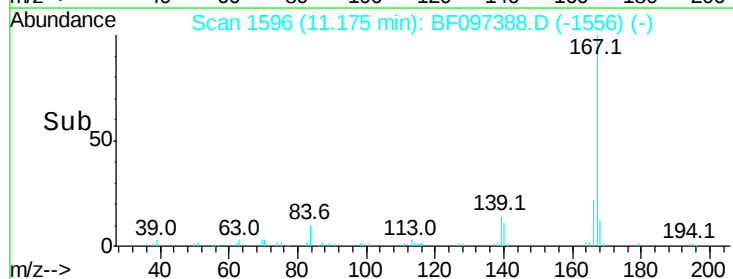
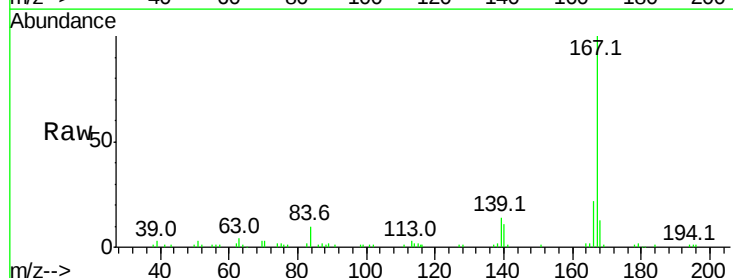
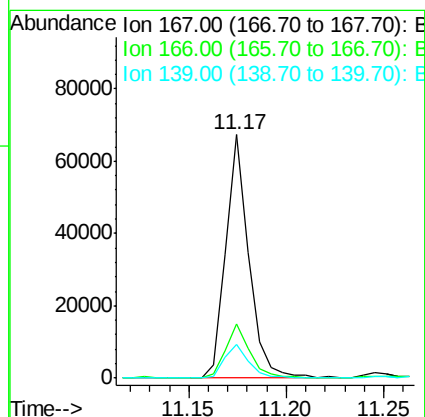
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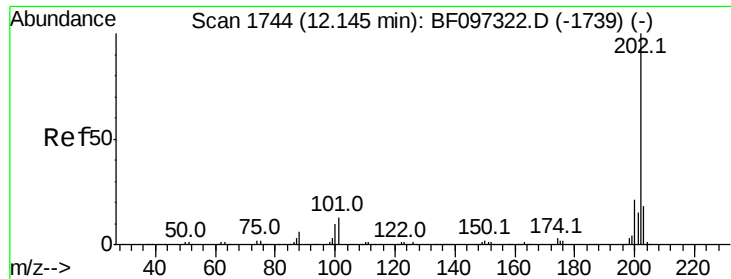
Sohil
 8/7/2017 6:10:22 PM



#72
 Carbazole
 Concen: 4.831 ng
 RT: 11.17 min Scan# 1596
 Delta R.T. -0.06 min
 Lab File: BF097388.D
 Acq: 5 Aug 2017 6:54

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.1	27.1
139	13.8	11.7	17.5





#74

Fluoranthene

Concen: 46.718 ng

RT: 12.14 min Scan# 1760

Delta R.T. -0.07 min

Lab File: BF097388.D

Acq: 5 Aug 2017 6:54

Instrument :

BNA_F

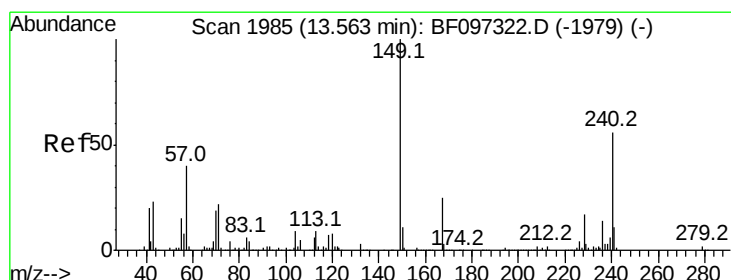
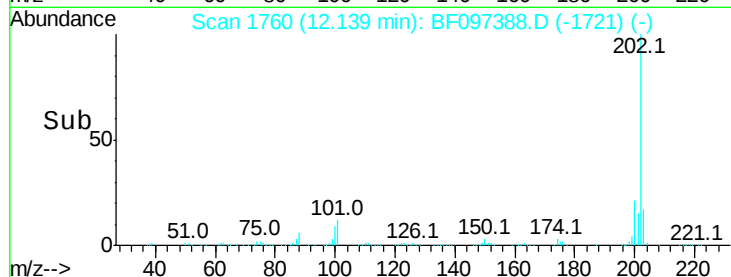
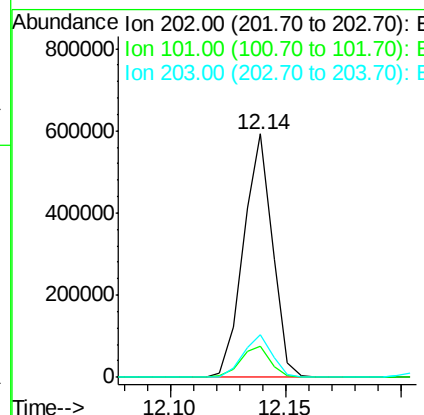
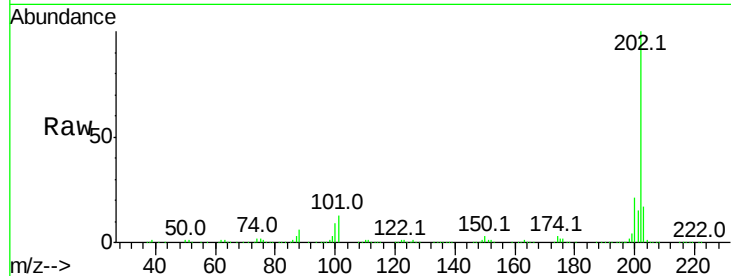
ClientSampleId :

TP-2-SS1DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

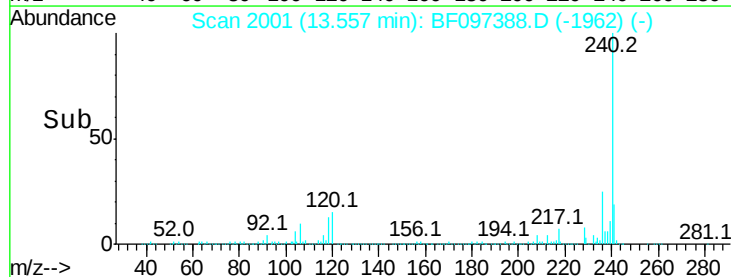
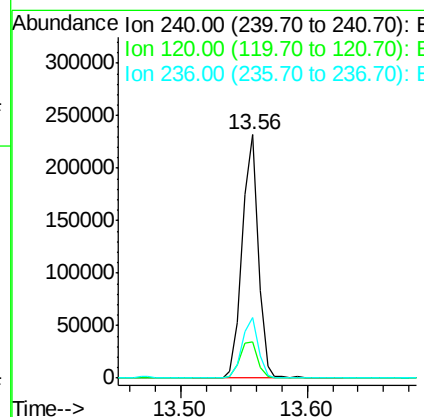
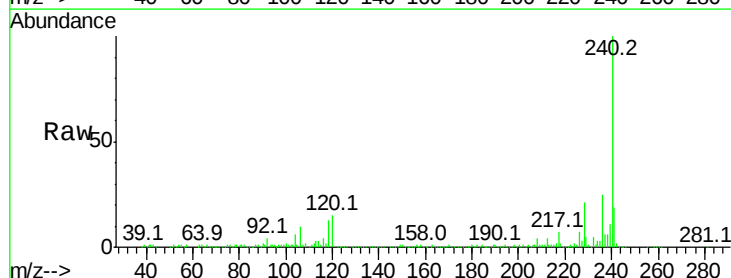
RT: 13.56 min Scan# 2001

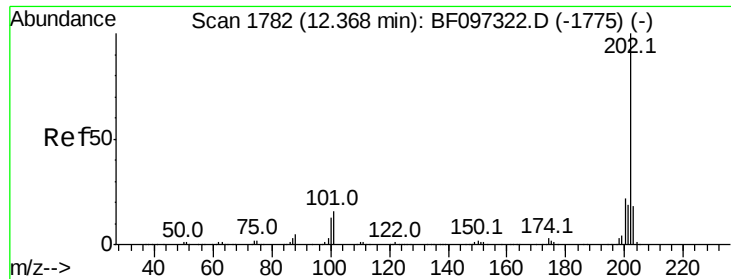
Delta R.T. -0.07 min

Lab File: BF097388.D

Acq: 5 Aug 2017 6:54

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.9	5.8	8.8#
236	25.1	20.5	30.7





#77

Pvrene

Concen: 29.654 ng

RT: 12.36 min Scan# 1798

Delta R.T. -0.07 min

Lab File: BF097388.D

Acq: 5 Aug 2017 6:54

Instrument :

BNA_F

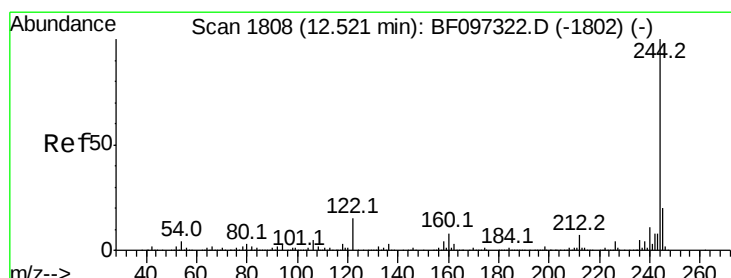
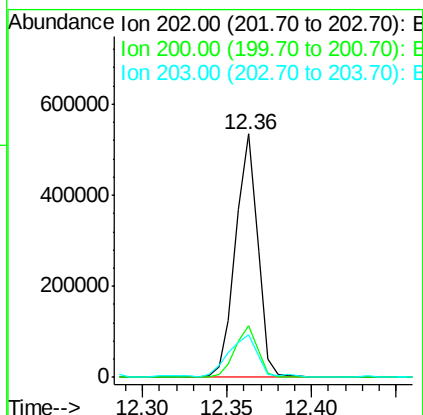
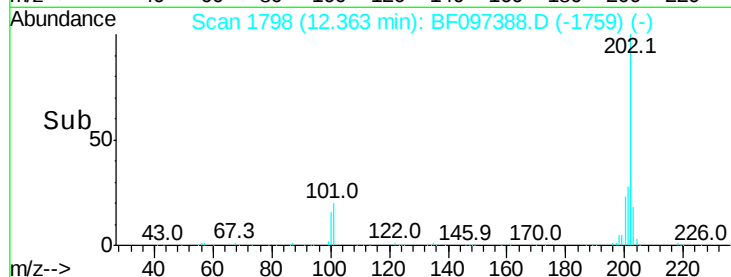
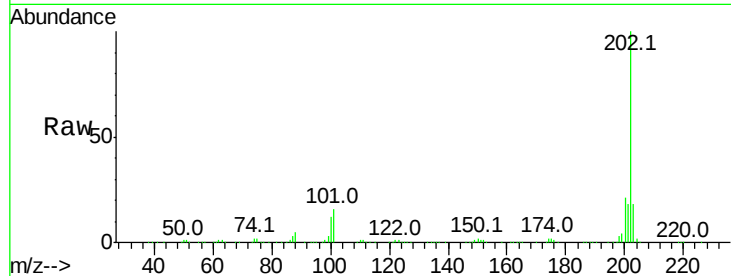
ClientSampleId :

TP-2-SS1DL

Tot Ion:	202	Resp:	488254
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.6	26.4
203	17.5	14.4	21.6

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#78

Terphenyl-d14

Concen: 5.952 ng

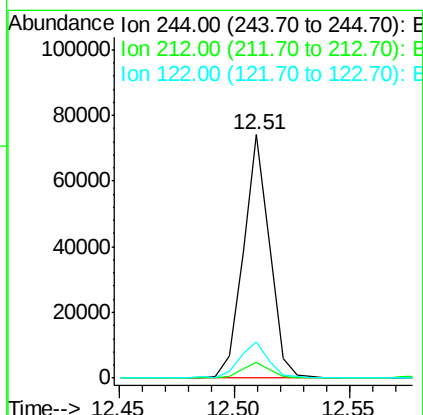
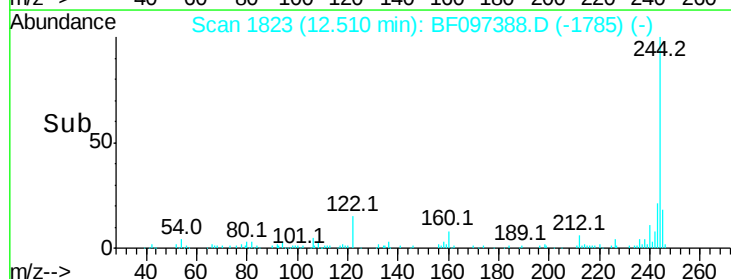
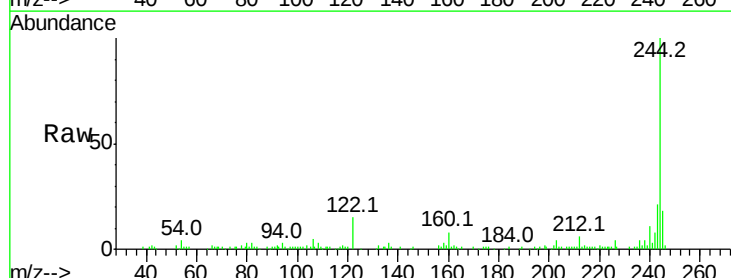
RT: 12.51 min Scan# 1823

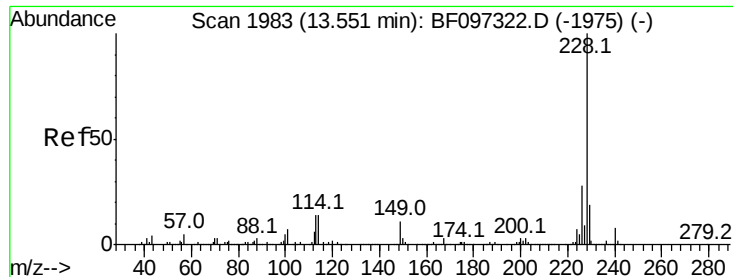
Delta R.T. -0.08 min

Lab File: BF097388.D

Acq: 5 Aug 2017 6:54

Tgt Ion:	244	Resp:	58713
Ion Ratio	Lower	Upper	
244	100		
212	6.3	6.0	9.0
122	14.7	10.3	15.5





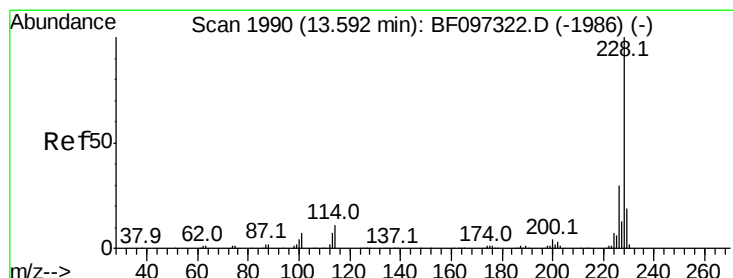
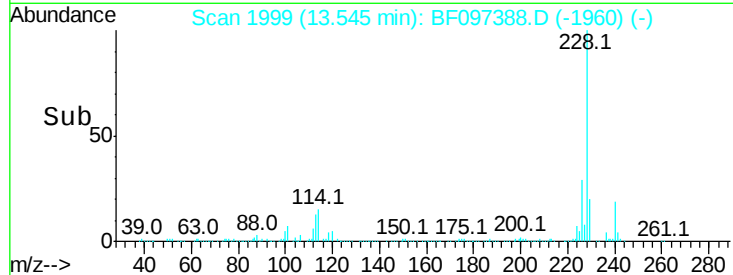
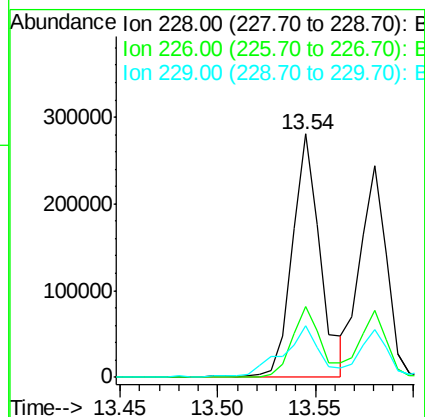
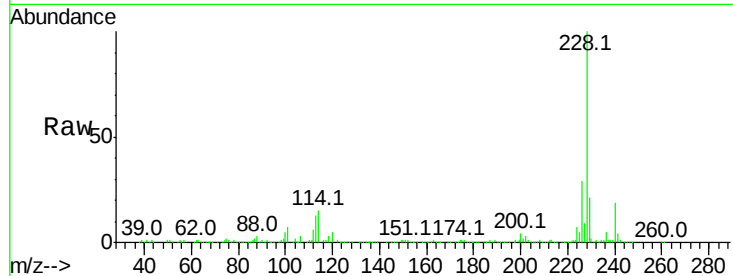
#80
Benzo(a)anthracene
Concen: 21.314 ng
RT: 13.54 min Scan# 1999
Delta R.T. -0.07 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Instrument :
BNA_F
ClientSampleId :
TP-2-SS1DL

Tot Ion:228	Resp:	277371
Ion Ratio	Lower	Upper
228 100		
226 28.9	22.6	33.8
229 21.1	16.3	24.5

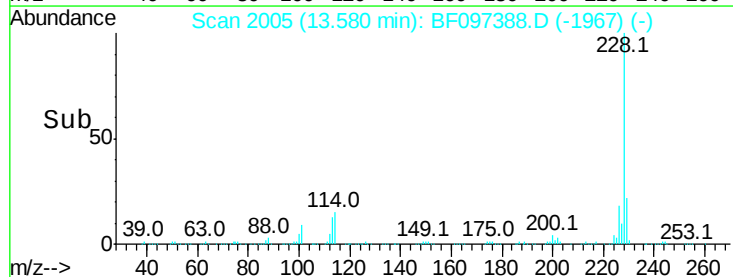
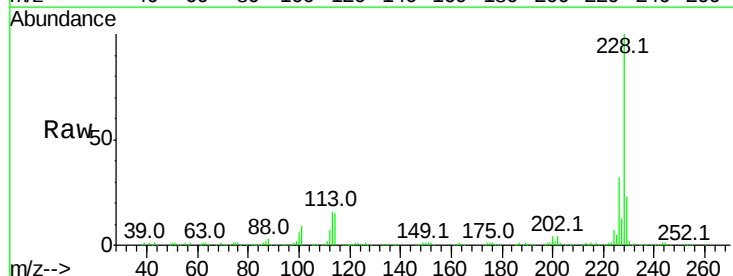
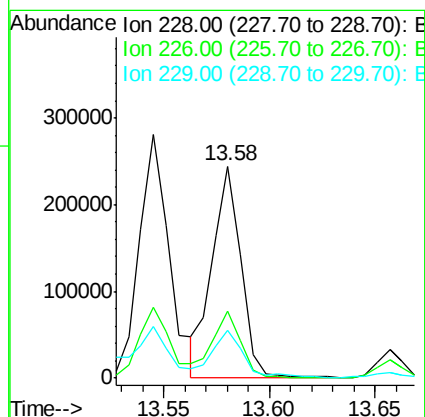
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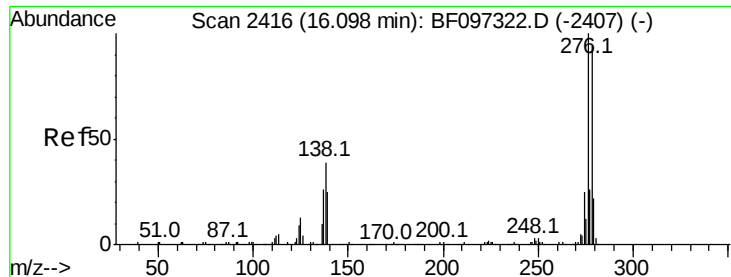
Sohil
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#82
Chrysene
Concen: 18.230 ng
RT: 13.58 min Scan# 2005
Delta R.T. -0.08 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Tgt Ion:228	Resp:	231652
Ion Ratio	Lower	Upper
228 100		
226 31.5	24.9	37.3
229 22.7	15.8	23.6





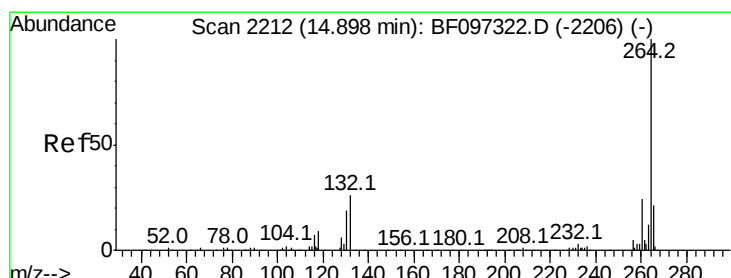
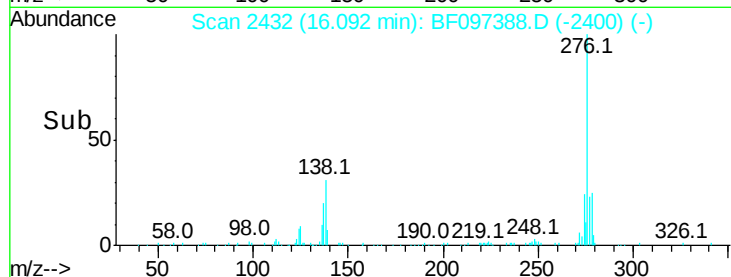
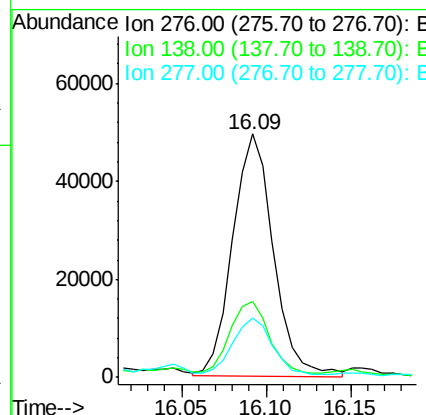
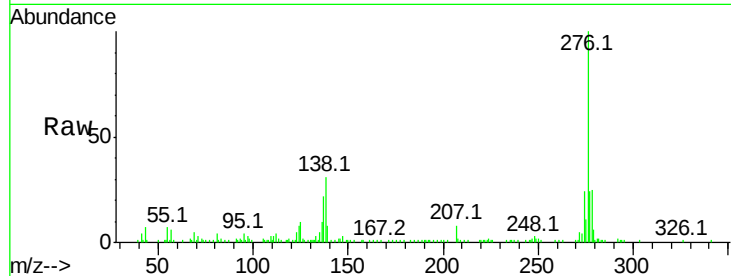
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.651 ng
RT: 16.09 min Scan# 2432
Delta R.T. -0.11 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Instrument :
BNA_F
ClientSampleId :
TP-2-SS1DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.3	27.8	41.6
277	23.1	20.2	30.4

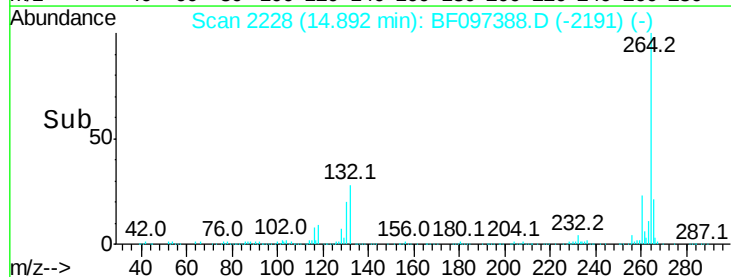
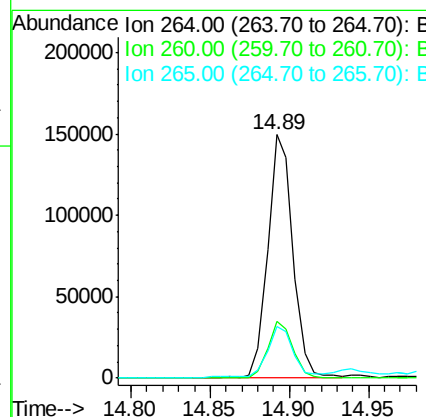
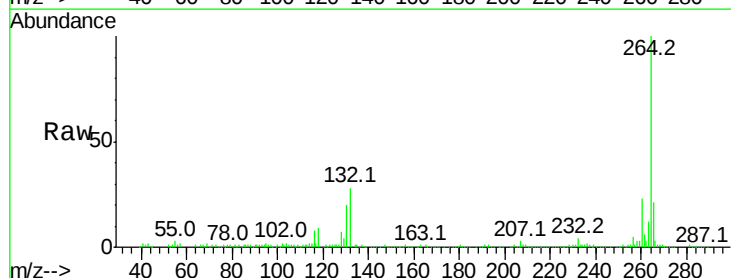
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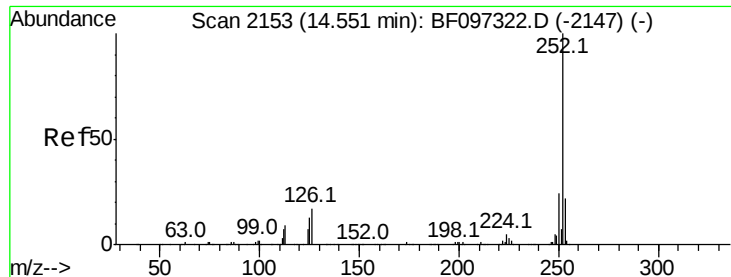
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 14.89 min Scan# 2228
Delta R.T. -0.08 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.4	17.2	25.8





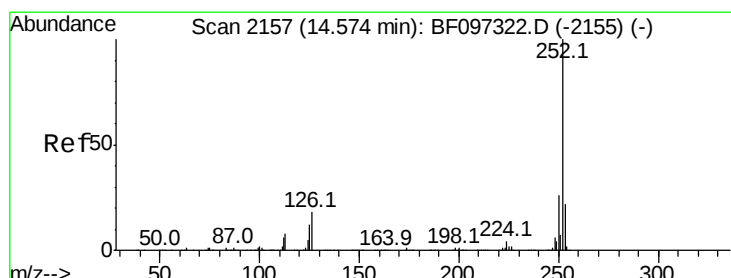
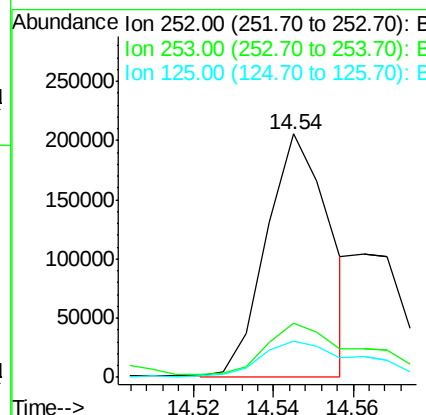
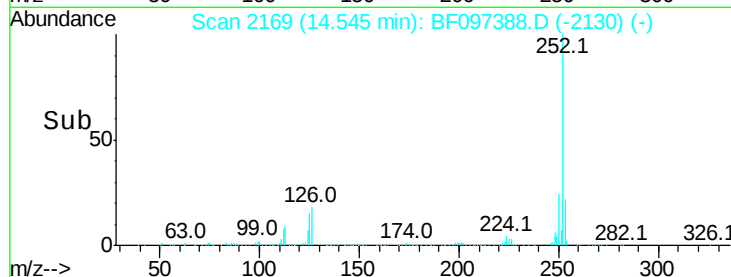
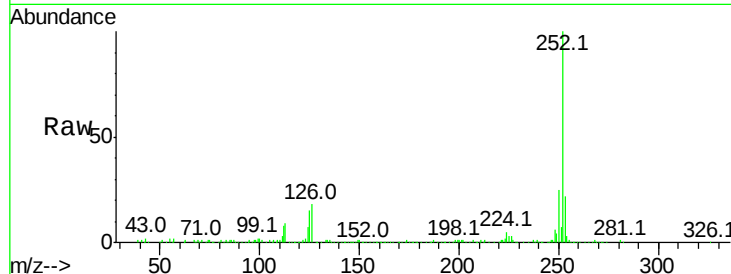
#87
Benzo(b)fluoranthene
Concen: 22.870 ng m
RT: 14.54 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Instrument :
BNA_F
ClientSampled :
TP-2-SS1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	15.0	9.8	14.8

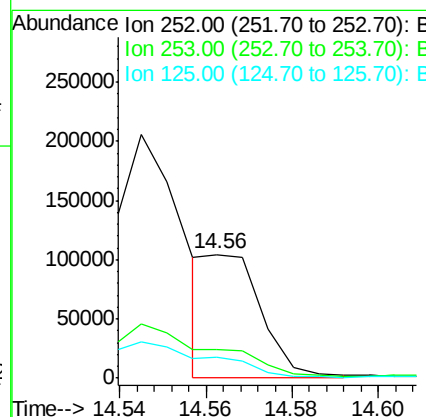
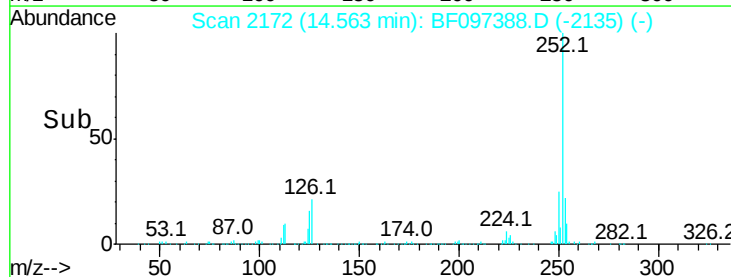
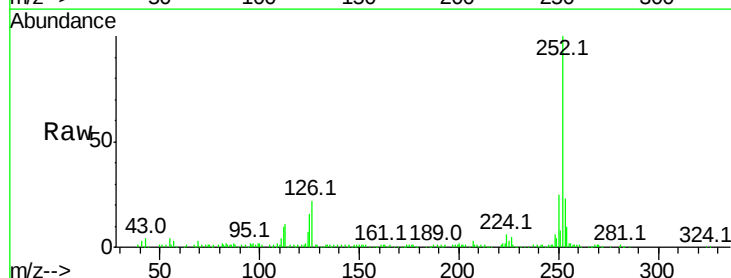
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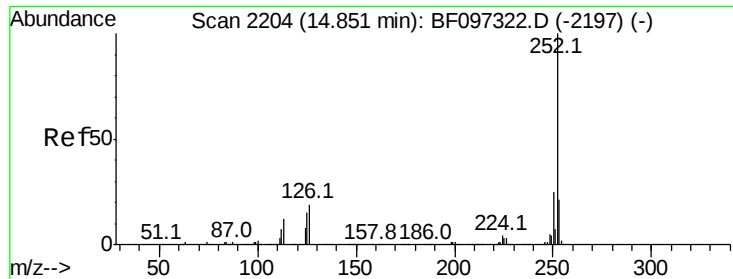
Sohil
8/7/2017 6:10:22 PM



#88
Benzo(k)fluoranthene
Concen: 9.697 ng m
RT: 14.56 min Scan# 2172
Delta R.T. -0.08 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	16.5	13.1	19.7





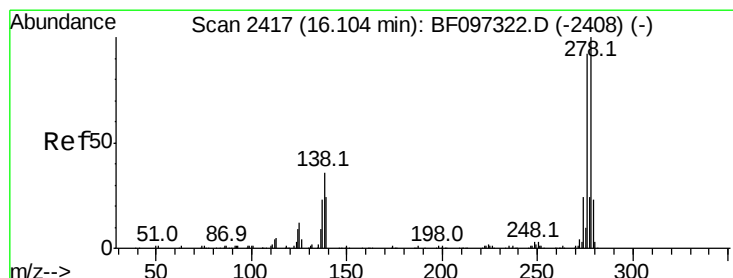
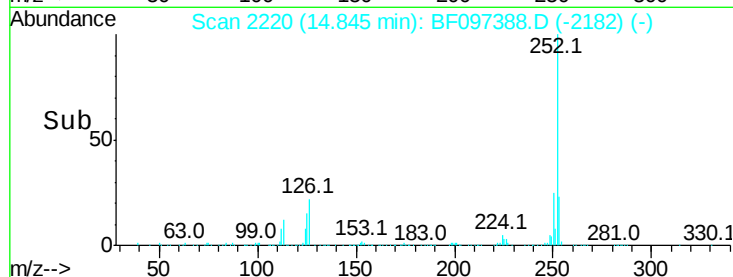
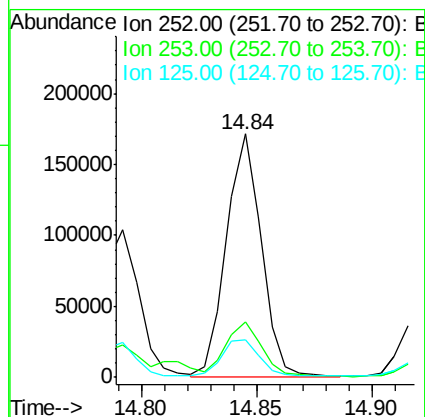
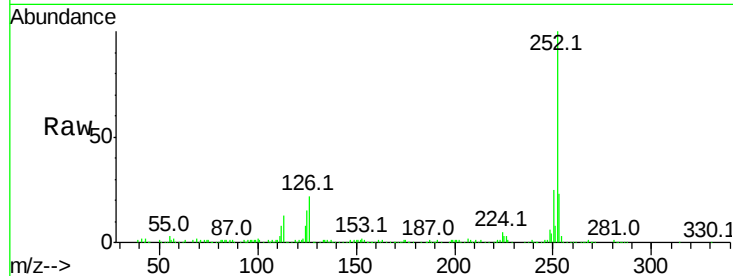
#89
Benzo(a)pyrene
Concen: 19.683 ng
RT: 14.84 min Scan# 2220
Delta R.T. -0.08 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Instrument :
BNA_F
ClientSampleId :
TP-2-SS1DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	179775		
253	23.0		17.5	26.3
125	15.4		11.0	16.4

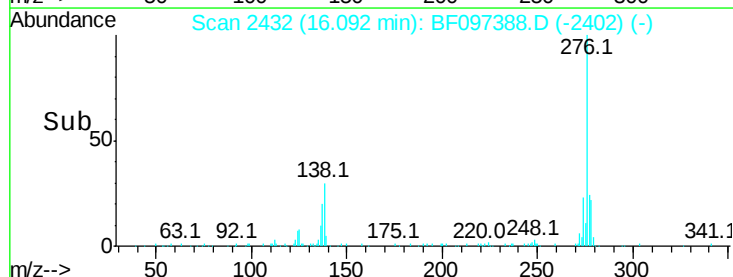
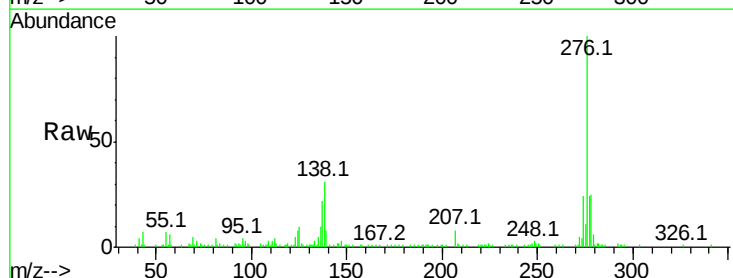
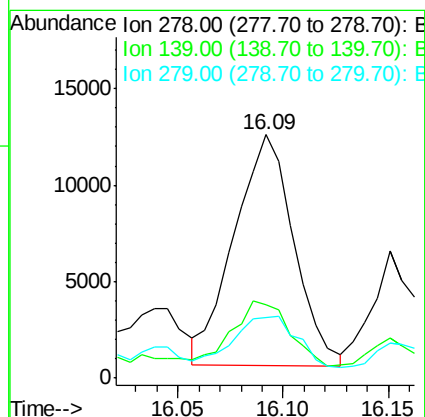
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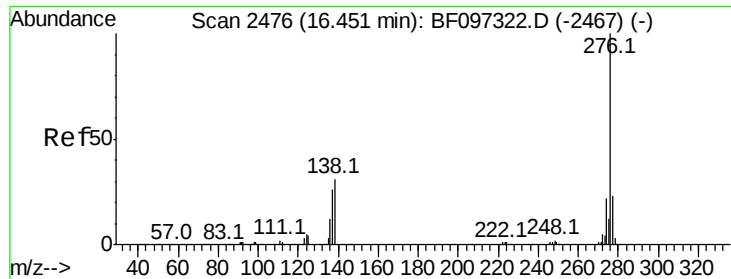
Sohil
8/7/2017 6:10:22 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.158 ng m
RT: 16.09 min Scan# 2432
Delta R.T. -0.12 min
Lab File: BF097388.D
Acq: 5 Aug 2017 6:54

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	23650		
139	30.4		16.6	24.8#
279	25.1		19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 9.467 ng
 RT: 16.44 min Scan# 2492
 Delta R.T. -0.12 min
 Lab File: BF097388.D
 Acq: 5 Aug 2017 6:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-SS1DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	34.3	25.4	38.0

Manual Integrations
 APPROVED

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 8/7/2017 6:10:22 PM

