

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
 Data File : BF097401.D
 Acq On : 5 Aug 2017 17:04
 Operator : SJ/JU
 Sample : I4610-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-C

Manual Integrations
 APPROVED

Sohil
 8/7/2017 6:00:45 PM

Quant Time: Aug 06 04:47:06 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	6.42	152	97415	20.00	ng	-0.08
21) Naphthalene-d8	7.70	136	410153	20.00	ng	-0.08
38) Acenaphthene-d10	9.45	164	172590	20.00	ng	-0.09
63) Phenanthrene-d10	10.92	188	207610	20.00	ng	-0.08
75) Chrysene-d12	13.54	240	192141	20.00	ng	-0.08
86) Perylene-d12	14.88	264	146806	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	599374	92.75	ng	-0.08
7) Phenol-d6	6.10	99	800354	108.49	ng	-0.07
23) Nitrobenzene-d5	7.00	82	415811	59.47	ng	-0.08
41) 2,4,6-Tribromophenol	10.24	330	109386	80.22	ng	-0.08
44) 2-Fluorobiphenyl	8.79	172	672556	66.13	ng	-0.08
78) Terphenyl-d14	12.50	244	403384	42.80	ng	-0.08
Target Compounds						
10) Phenol	6.11	94	21079	2.409	ng	Qvalue # 74
49) Dimethylphthalate	9.19	163	81397	6.211	ng	100
57) Fluorene	9.99	166	29520	3.006	ng	97
70) Phenanthrene	10.95	178	180076	16.188	ng	97
71) Anthracene	11.00	178	47045	4.129	ng	98
74) Fluoranthene	12.12	202	194854	17.881	ng	99
77) Pyrene	12.35	202	184575	11.734	ng	100
80) Benzo(a)anthracene	13.53	228	82309	6.621	ng	98
82) Chrysene	13.57	228	68822	5.669	ng	94
85) Indeno(1,2,3-cd)pyrene	16.08	276	21896	2.103	ng	98
87) Benzo(b)fluoranthene	14.53	252	67802m	7.683	ng	
88) Benzo(k)fluoranthene	14.56	252	20731m	2.465	ng	
89) Benzo(a)pyrene	14.83	252	52187	6.461	ng	# 91
91) Benzo(a,h,i)perylene	16.44	276	21628	3.114	ng	# 83

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

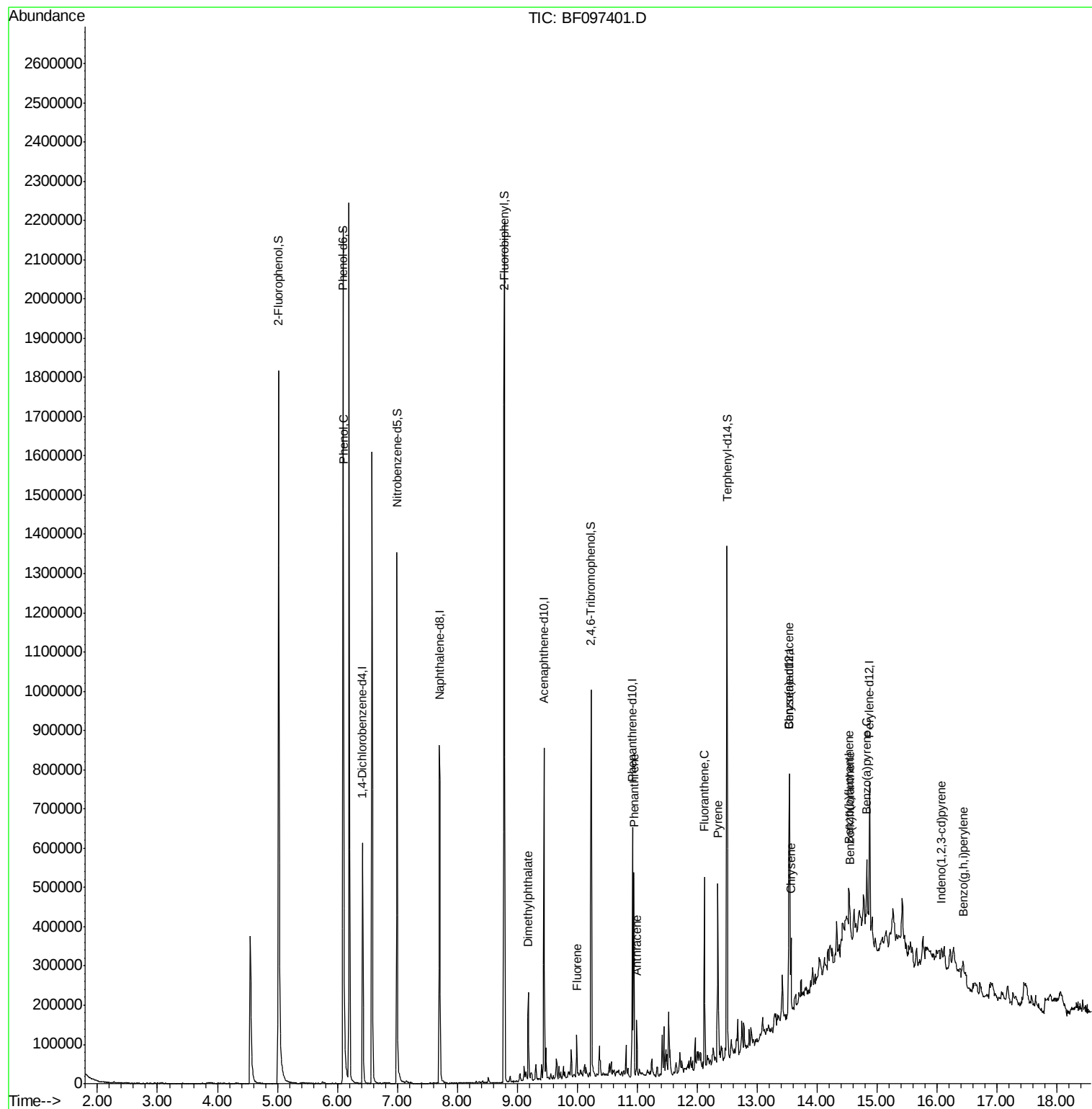
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097401.D
Acq On : 5 Aug 2017 17:04
Operator : SJ/JU
Sample : I4610-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

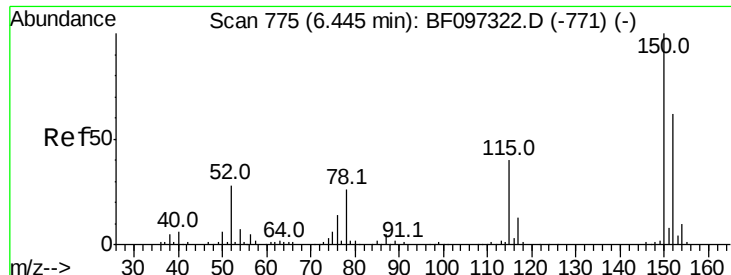
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#1

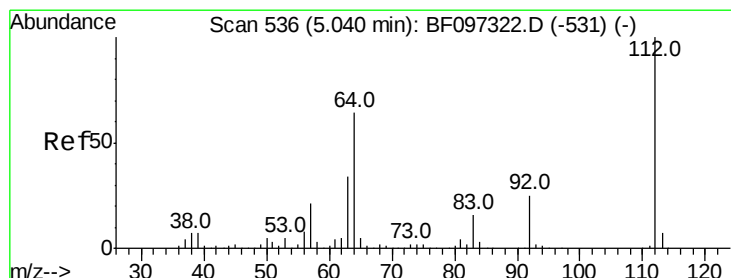
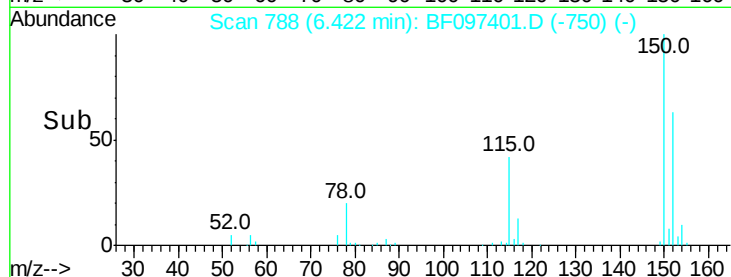
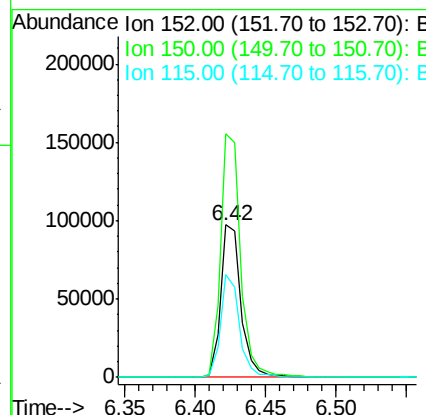
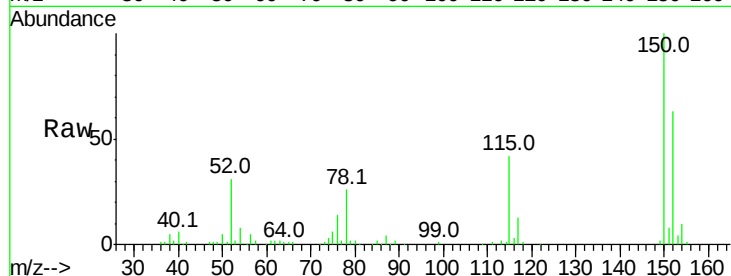
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.42 min Scan# 788
Delta R.T. -0.08 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.2	189.2
115	67.9	52.2	78.2

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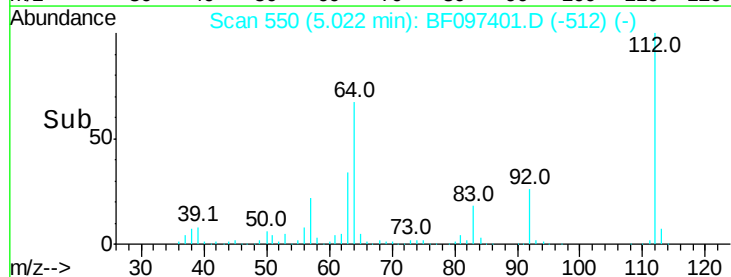
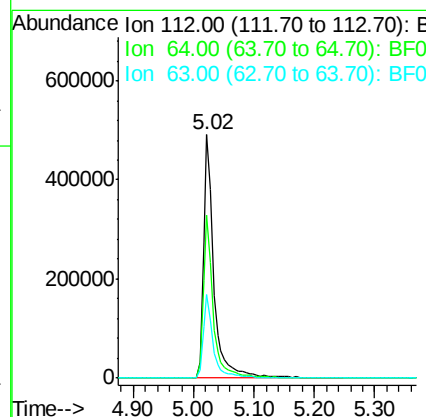
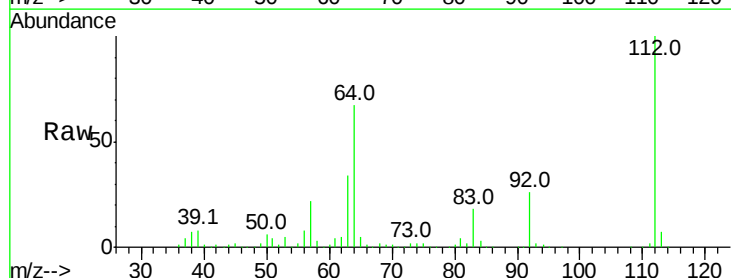
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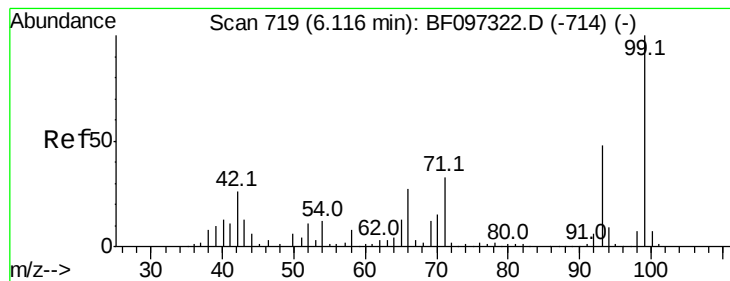


#5

2-Fluorophenol
Concen: 92.753 ng
RT: 5.02 min Scan# 550
Delta R.T. -0.08 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	46.0	69.0
63	34.2	23.4	35.0





#7

Phenol-d6

Concen: 108.490 ng

RT: 6.10 min Scan# 733

Delta R.T. -0.07 min

Lab File: BF097401.D

Acq: 5 Aug 2017 17:04

Instrument :

BNA_F

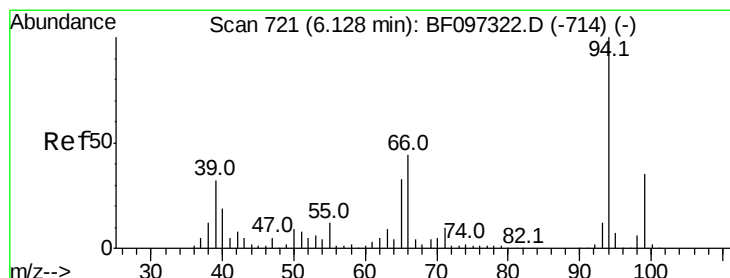
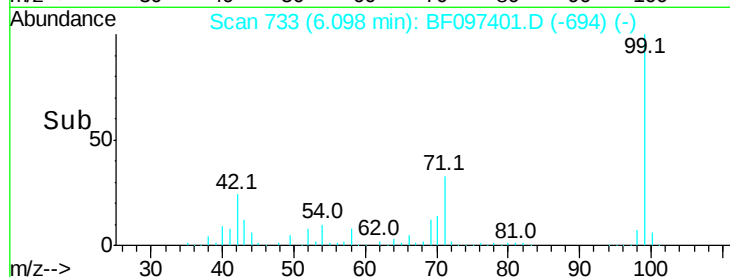
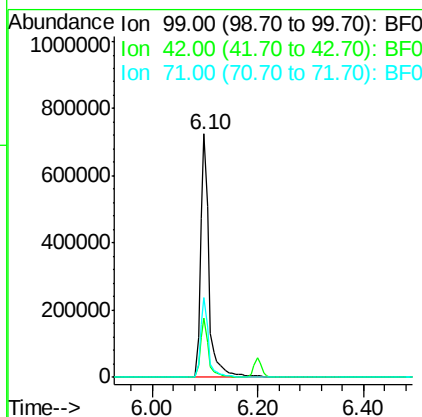
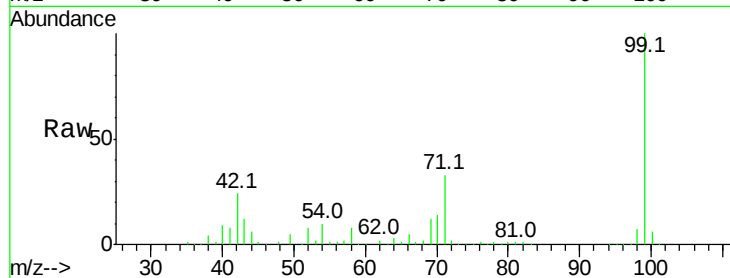
ClientSampleId :

PL-02-080317-C

Tot Ion:	99	Resp:	800354
Ion Ratio	Lower	Upper	
99	100		
42	24.2	13.5	20.3#
71	32.8	24.5	36.7

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#10

Phenol

Concen: 2.409 ng

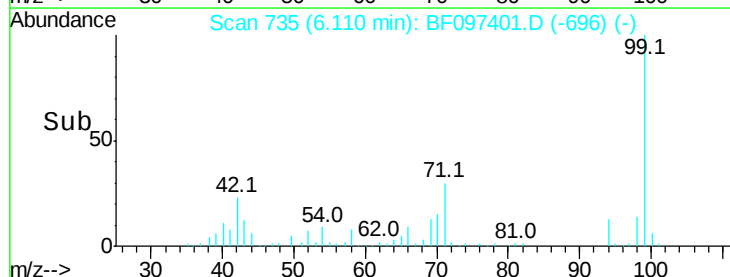
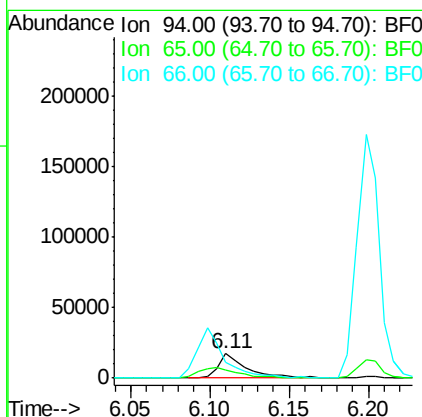
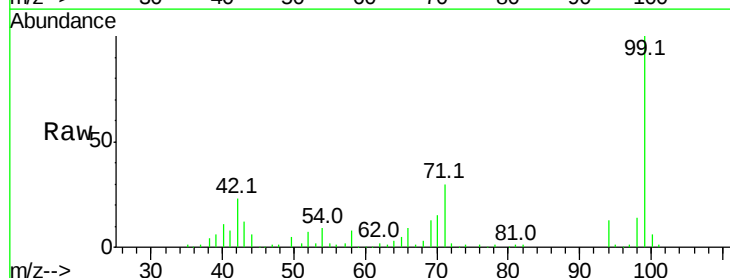
RT: 6.11 min Scan# 735

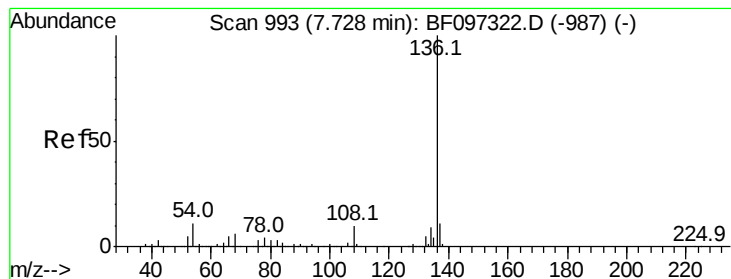
Delta R.T. -0.07 min

Lab File: BF097401.D

Acq: 5 Aug 2017 17:04

Tgt Ion:	94	Resp:	21079
Ion Ratio	Lower	Upper	
94	100		
65	35.0	9.9	49.9
66	67.2	23.1	63.1#





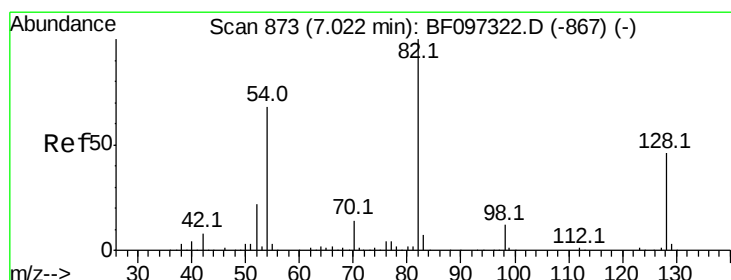
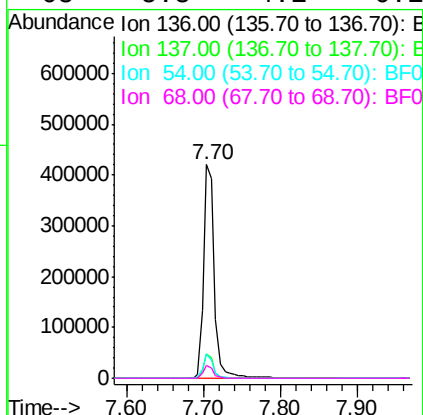
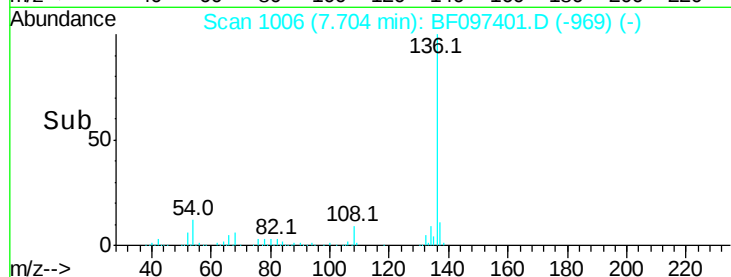
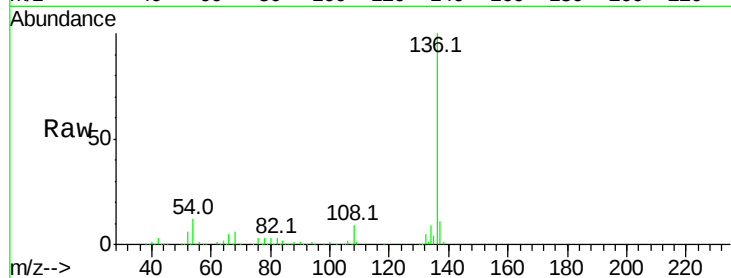
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.70 min Scan# 1006
Delta R.T. -0.08 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-C

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.5	12.7	
54	11.6	4.9	7.3	
68	5.8	4.1	6.1	

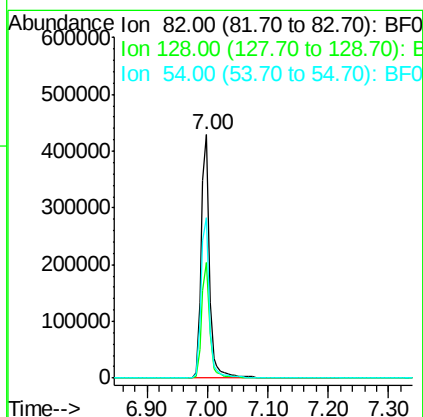
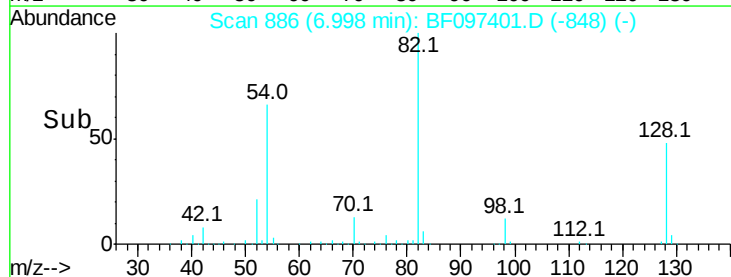
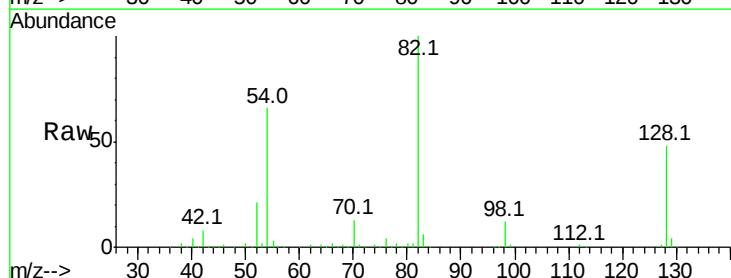
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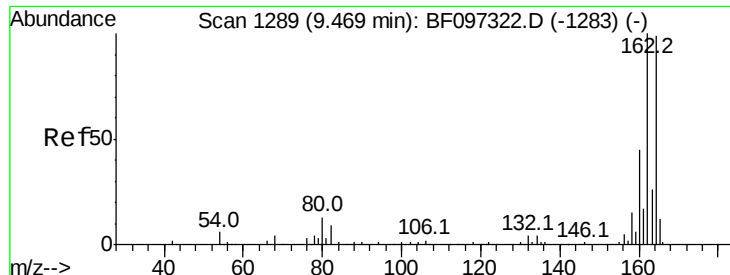
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#23
Nitrobenzene-d5
Concen: 59.473 ng
RT: 7.00 min Scan# 886
Delta R.T. -0.08 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.6	34.0	51.0	
54	65.6	42.2	63.2	





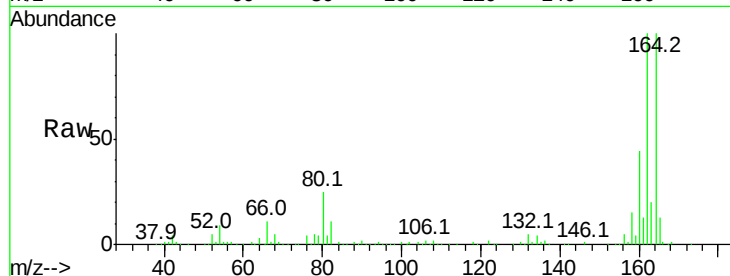
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.45 min Scan# 1302
 Delta R.T. -0.09 min
 Lab File: BF097401.D
 Acq: 5 Aug 2017 17:04

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-C

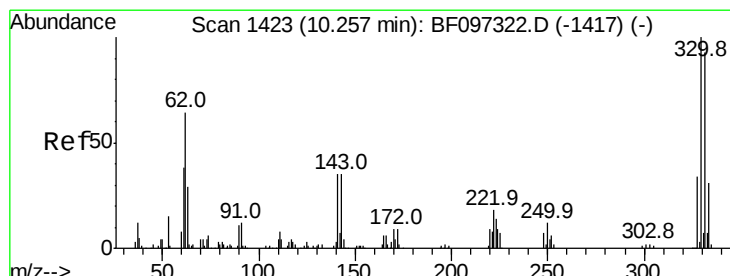
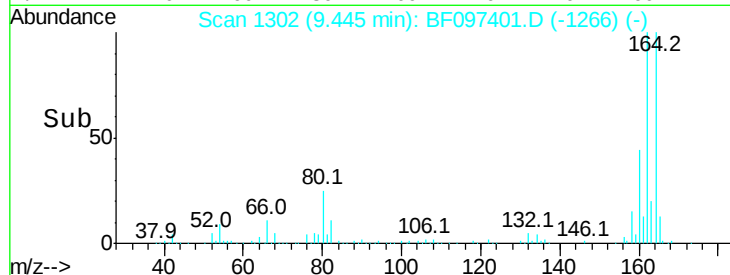
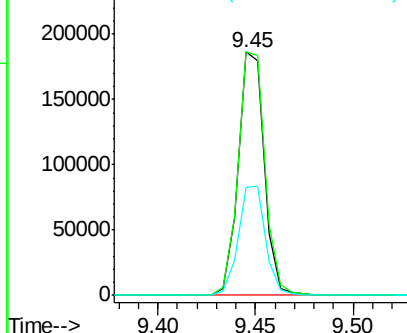
Tot Ion	Ratio	Resp	Lower	Upper
164	100	172590		
162	99.9	82.6	123.8	
160	44.3	36.2	54.2	

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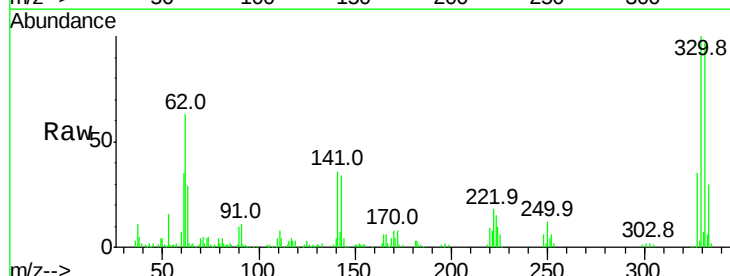


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

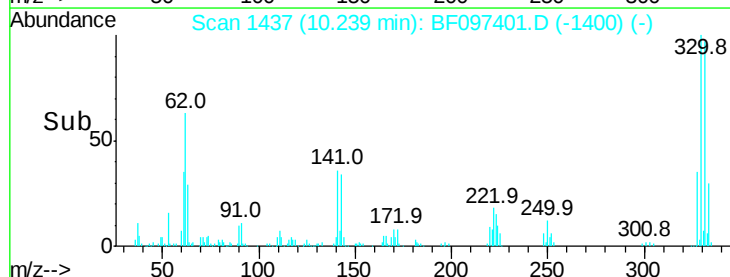
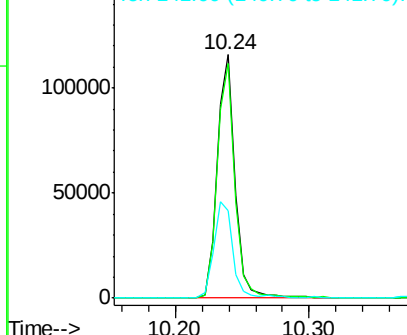


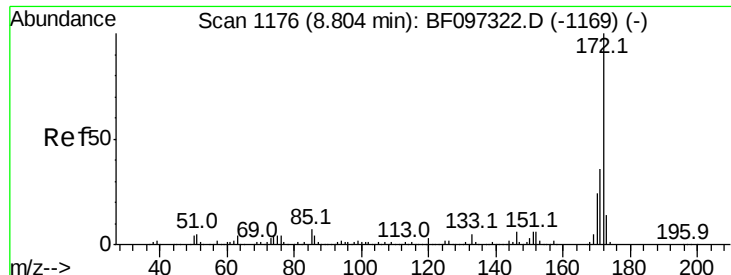
#41
 2,4,6-Tribromophenol
 Concen: 80.217 ng
 RT: 10.24 min Scan# 1437
 Delta R.T. -0.08 min
 Lab File: BF097401.D
 Acq: 5 Aug 2017 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	109386		
332	96.6	76.6	115.0	
141	42.7	31.4	47.2	



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





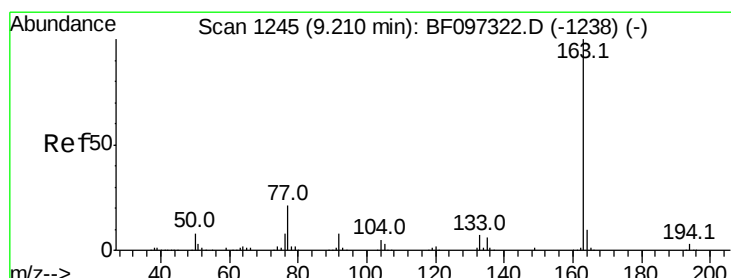
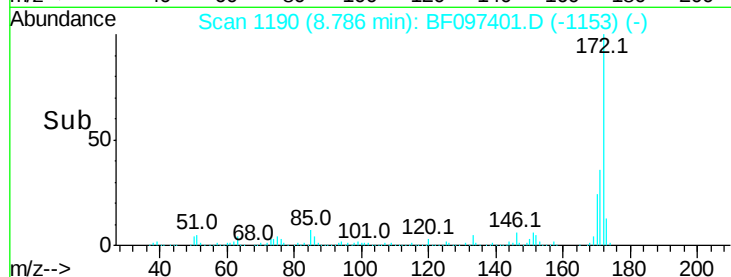
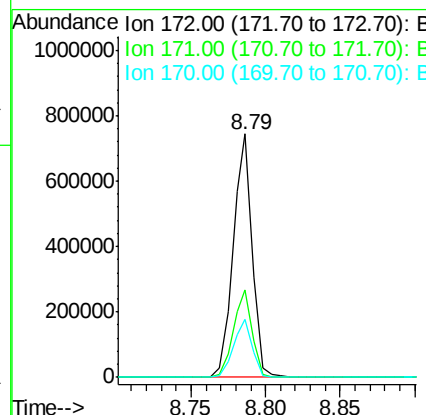
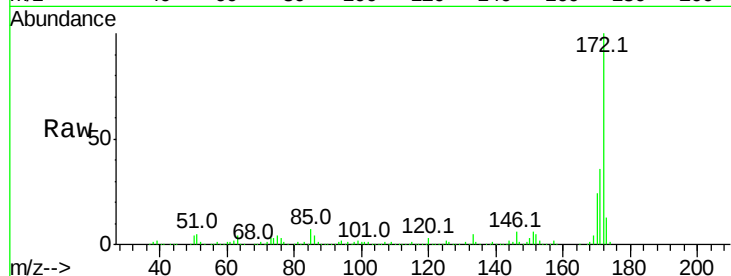
#44
2-Fluorobiphenyl
Concen: 66.133 ng
RT: 8.79 min Scan# 1190
Delta R.T. -0.08 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-C

Tot Ion	Ratio	Resp	Lower	Upper
172	100	672556		
171	36.0		29.6	44.4
170	23.8		19.8	29.8

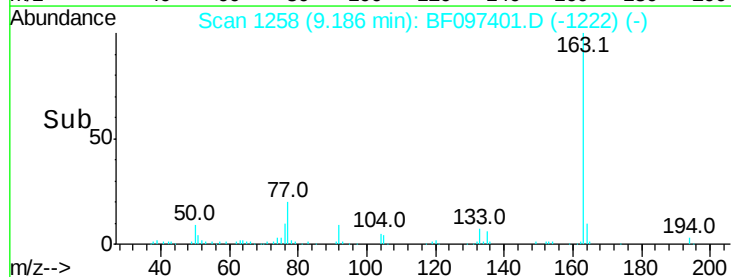
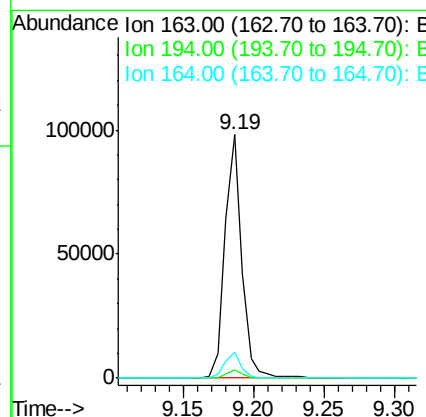
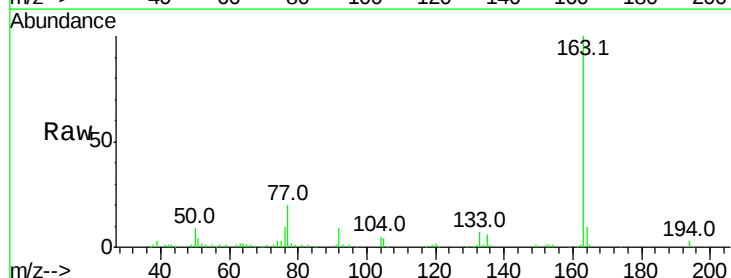
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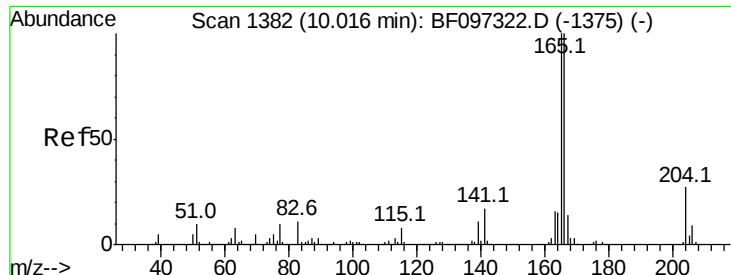
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#49
Dimethylphthalate
Concen: 6.211 ng
RT: 9.19 min Scan# 1258
Delta R.T. -0.09 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	81397		
194	3.1		2.6	4.0
164	10.4		8.4	12.6





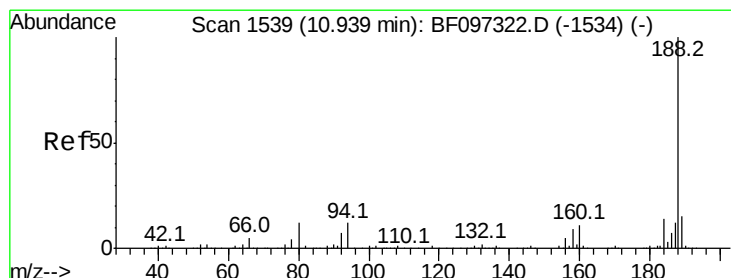
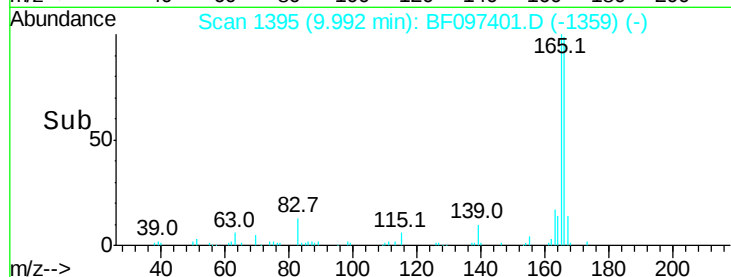
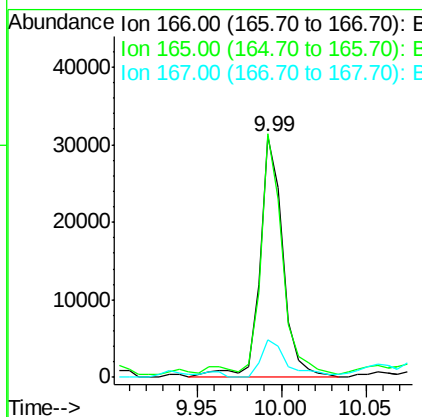
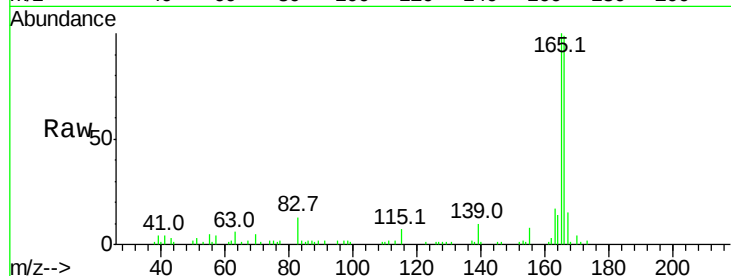
#57
Fluorene
 Concen: 3.006 ng
 RT: 9.99 min Scan# 1395
 Delta R.T. -0.09 min
 Lab File: BF097401.D
 Acq: 5 Aug 2017 17:04

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-C

Tot Ion	Ratio	Resp	Lower	Upper
166	100	29520		
165	101.2	78.8	118.2	
167	15.5	10.6	16.0	

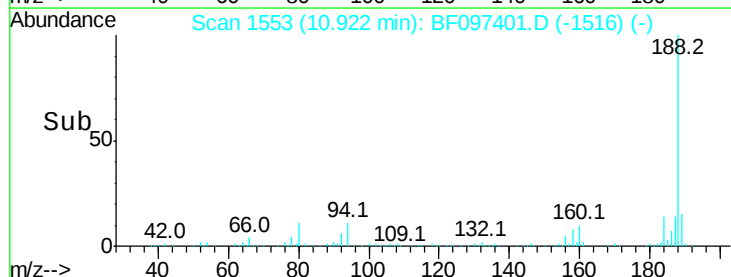
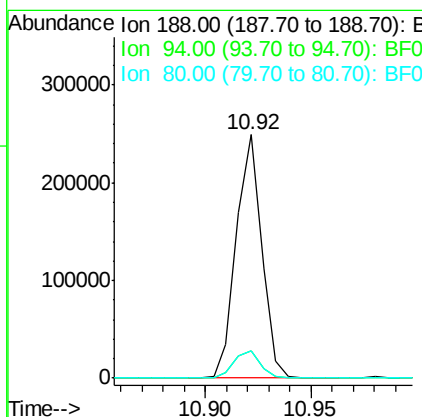
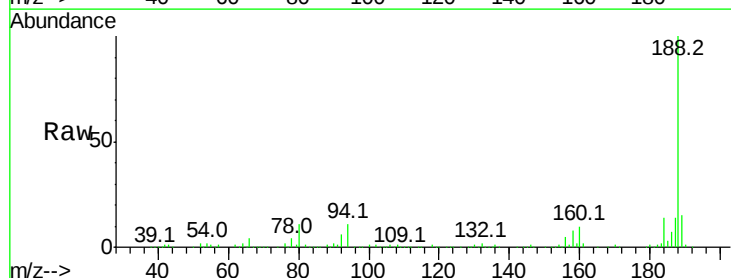
Manual Integrations
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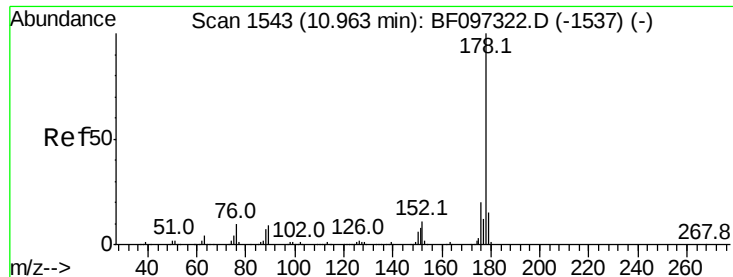
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.92 min Scan# 1553
 Delta R.T. -0.08 min
 Lab File: BF097401.D
 Acq: 5 Aug 2017 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	207610		
94	11.0	9.4	14.2	
80	11.2	10.2	15.2	





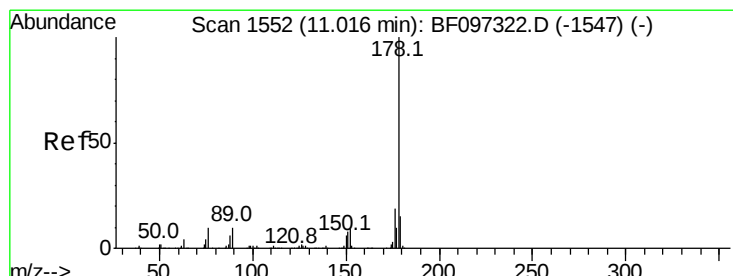
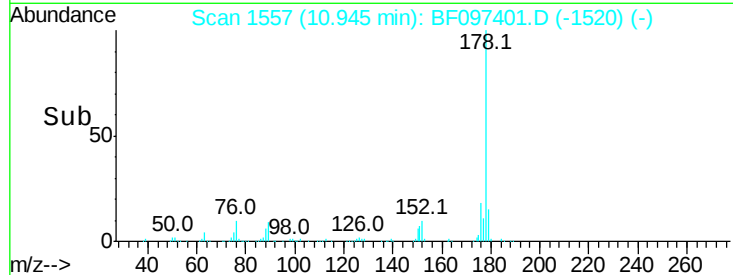
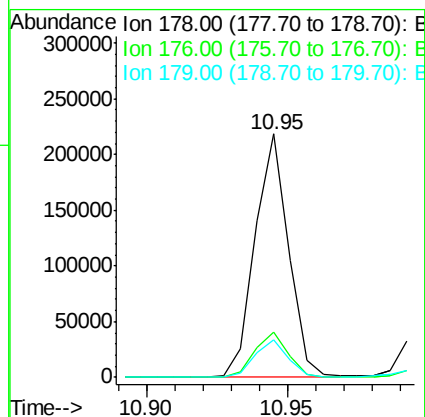
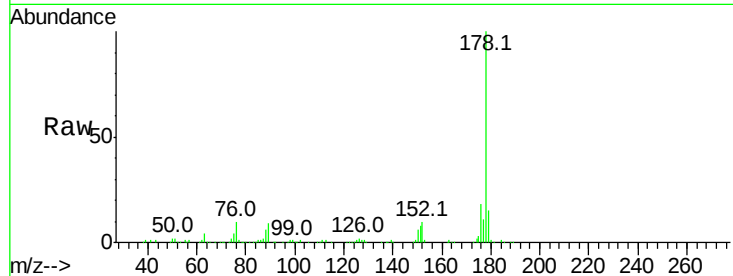
#70
Phenanthrene
Concen: 16.188 ng
RT: 10.95 min Scan# 1557
Delta R.T. -0.08 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.2	24.4
179	15.2	12.6	19.0

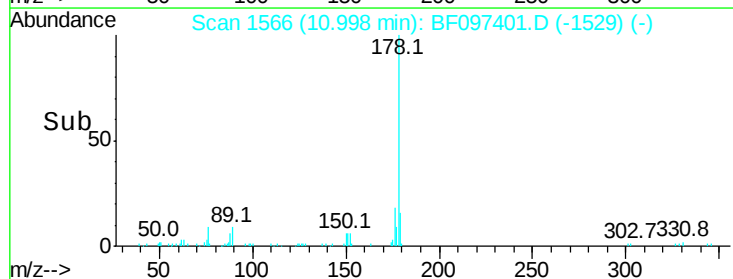
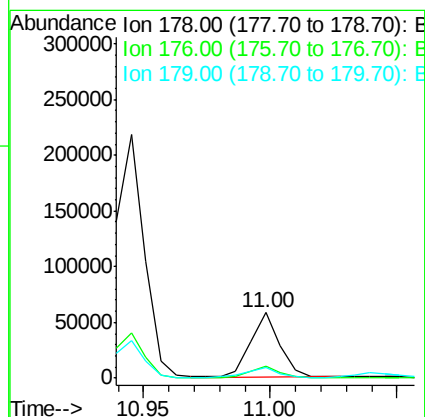
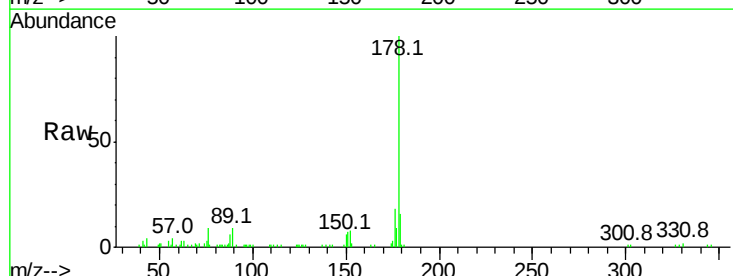
Manual Integrations
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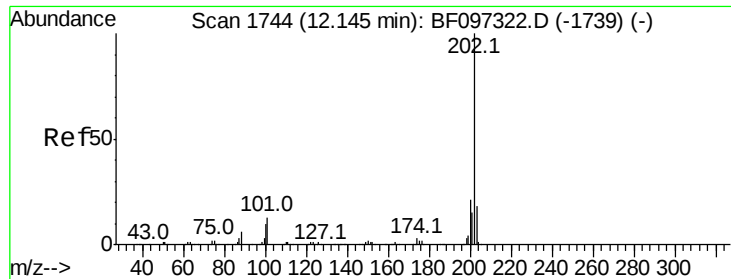
Sohil
8/7/2017 6:00:45 PM



#71
Anthracene
Concen: 4.129 ng
RT: 11.00 min Scan# 1566
Delta R.T. -0.08 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	15.9	12.7	19.1





#74

Fluoranthene

Concen: 17.881 ng

RT: 12.12 min Scan# 1757

Delta R.T. -0.09 min

Lab File: BF097401.D

Acq: 5 Aug 2017 17:04

Instrument :

BNA_F

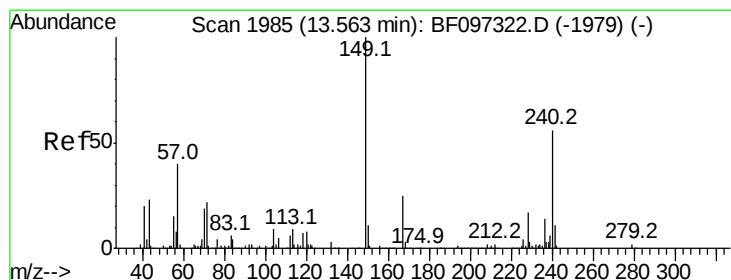
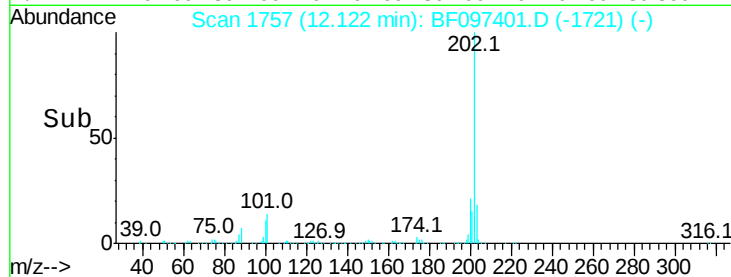
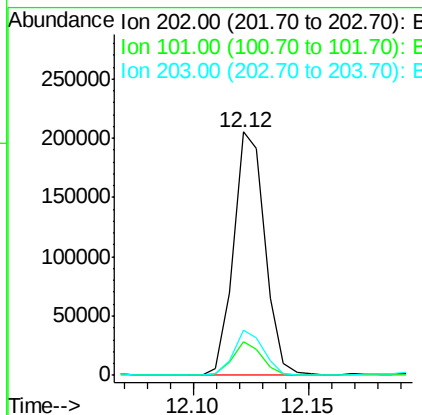
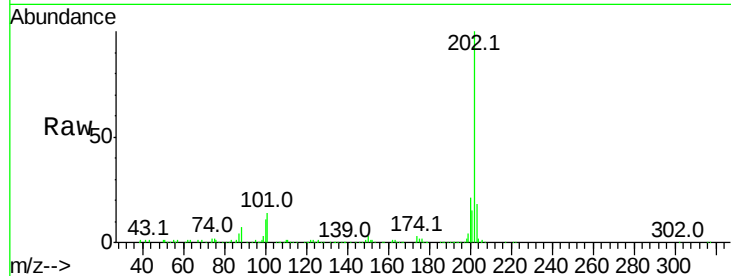
ClientSampleId :

PL-02-080317-C

Tot Ion	Ratio	Resp	Lower	Upper
202	100	194854		
101	13.6	0.0	33.2	
203	18.4	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

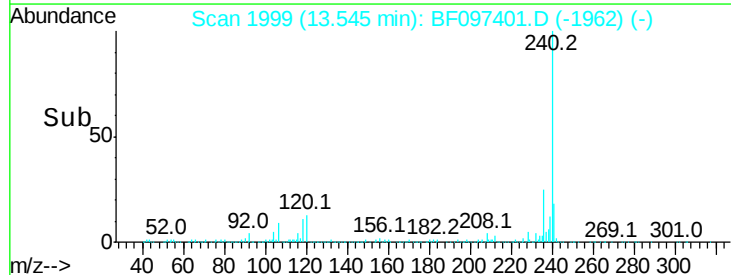
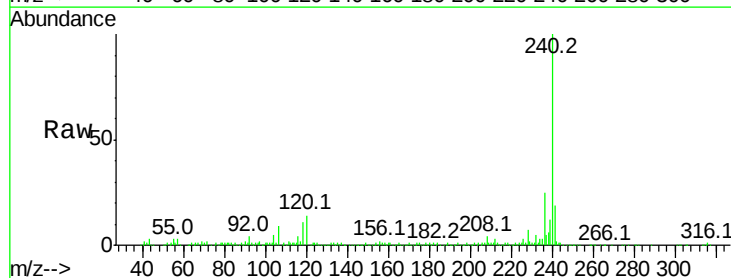
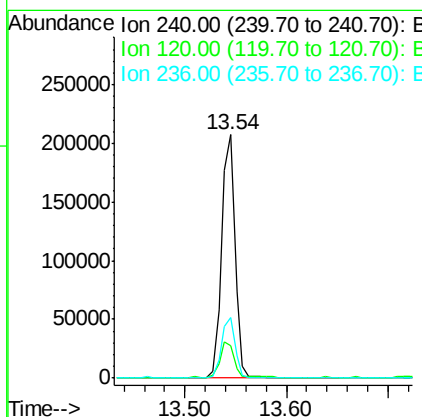
RT: 13.54 min Scan# 1999

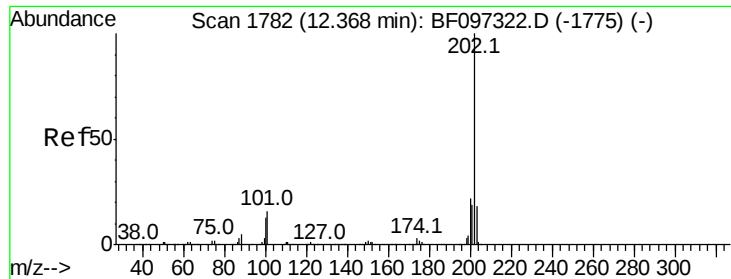
Delta R.T. -0.08 min

Lab File: BF097401.D

Acq: 5 Aug 2017 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	192141		
120	13.5	5.8	8.8#	
236	25.0	20.5	30.7	





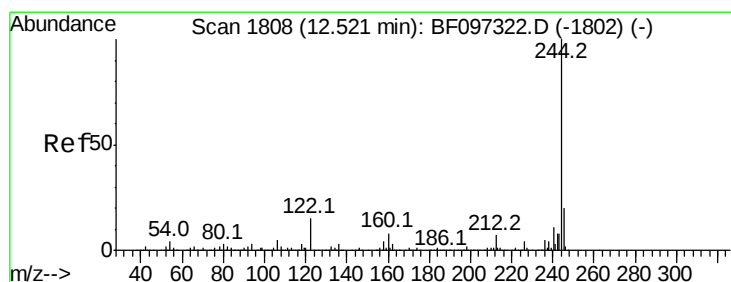
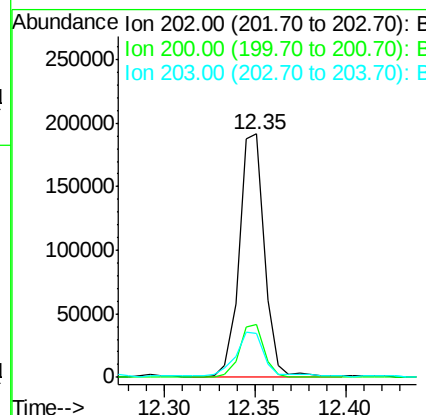
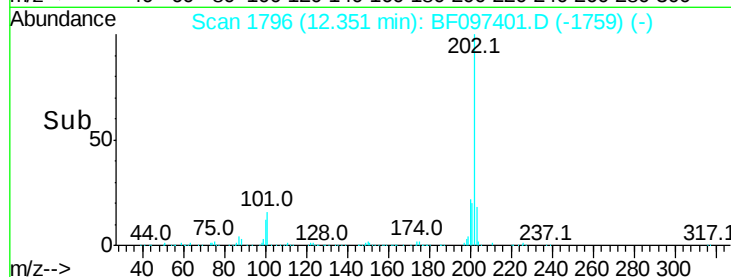
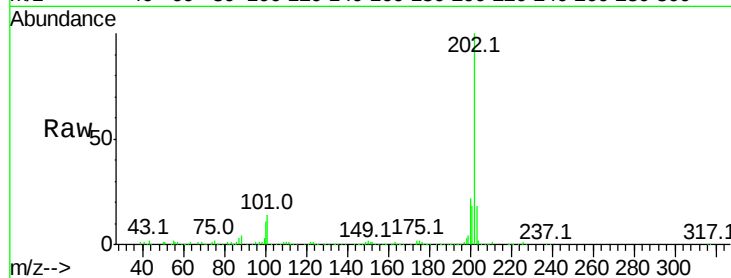
#77
Pvrene
Concen: 11.734 ng
RT: 12.35 min Scan# 1796
Delta R.T. -0.08 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	17.6	26.4
203	17.9	14.4	21.6

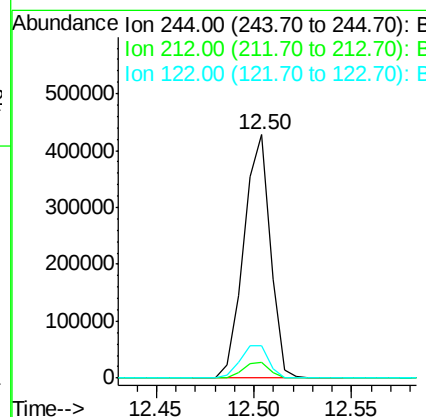
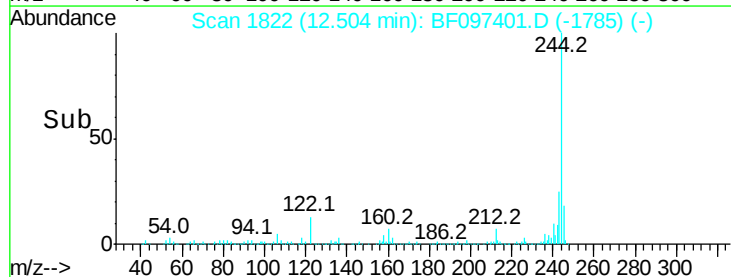
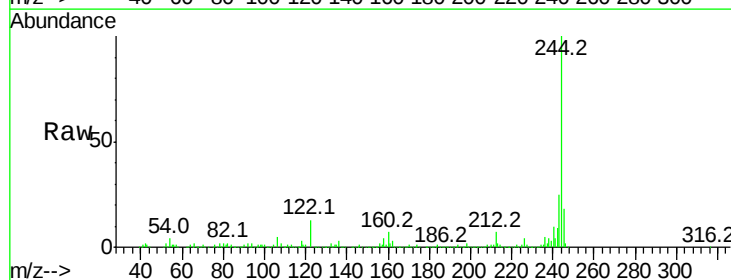
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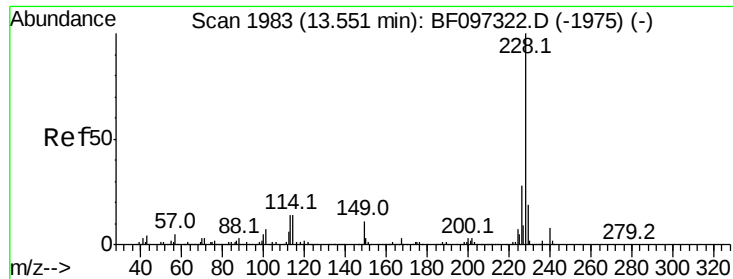
Sohil
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#78
Terphenyl-d14
Concen: 42.804 ng
RT: 12.50 min Scan# 1822
Delta R.T. -0.08 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

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





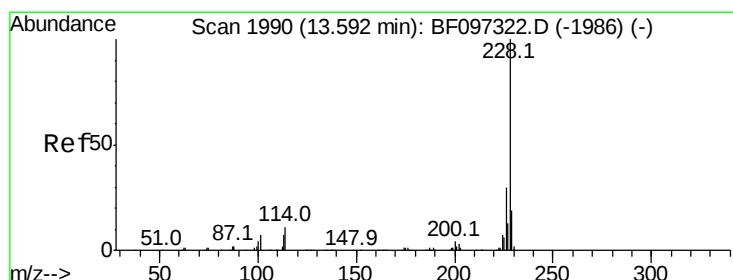
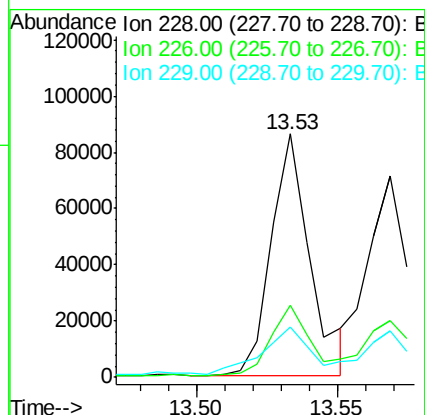
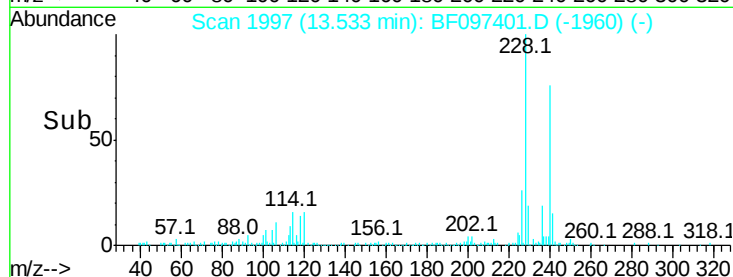
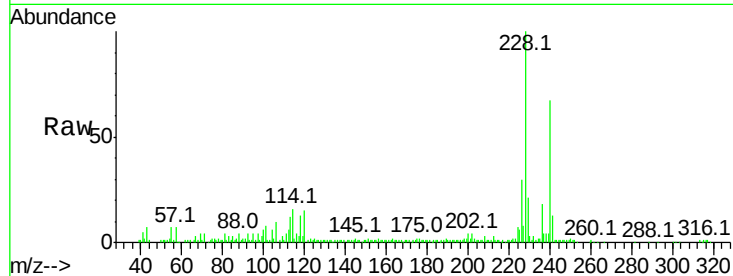
#80
Benzo(a)anthracene
Concen: 6.621 ng
RT: 13.53 min Scan# 1997
Delta R.T. -0.08 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-C

Tot Ion:	228	Resp:	82309
Ion Ratio	Lower	Upper	
228	100		
226	29.6	22.6	33.8
229	20.8	16.3	24.5

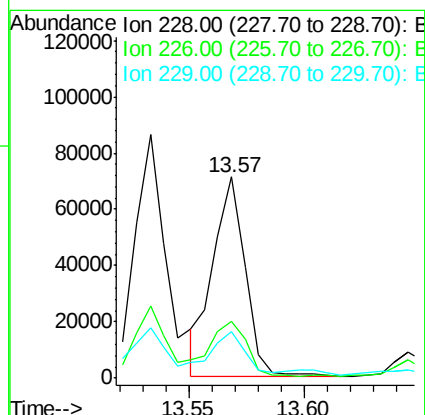
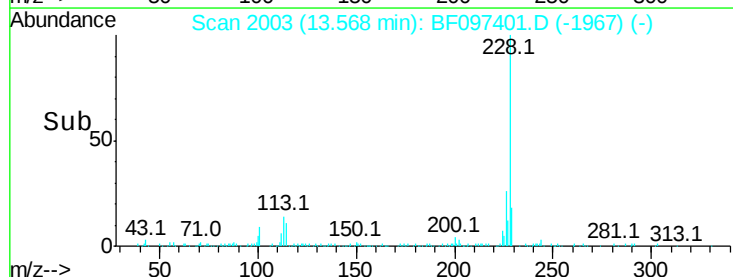
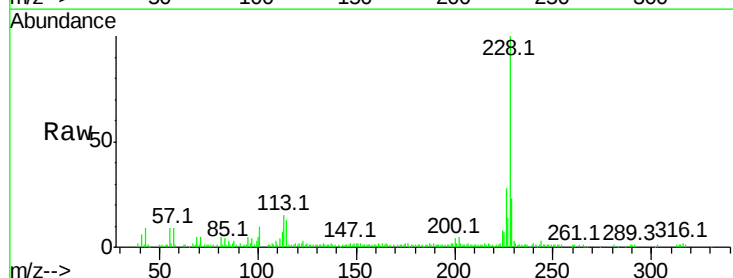
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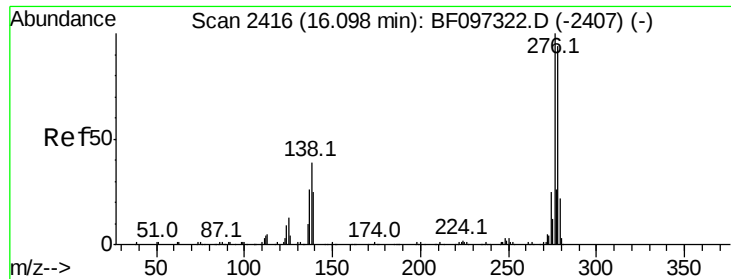
Sohil
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#82
Chrysene
Concen: 5.669 ng
RT: 13.57 min Scan# 2003
Delta R.T. -0.09 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

Tgt Ion:	228	Resp:	68822
Ion Ratio	Lower	Upper	
228	100		
226	28.2	24.9	37.3
229	23.3	15.8	23.6





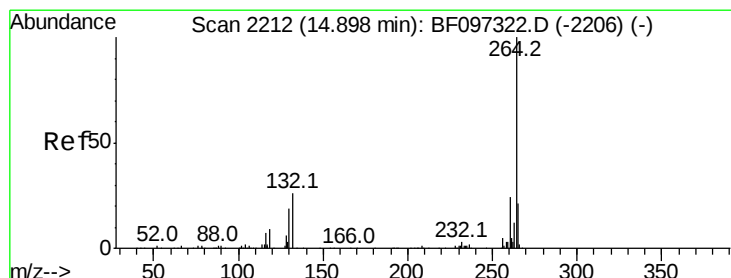
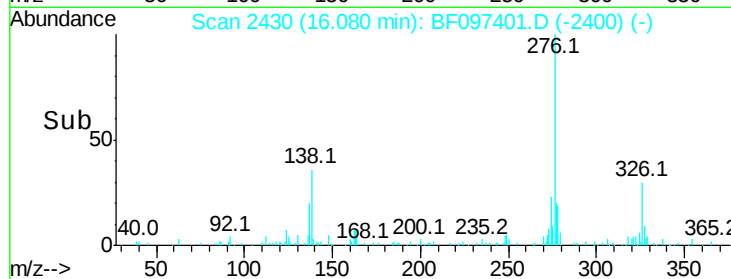
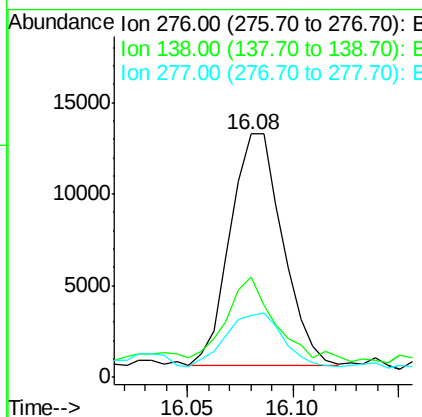
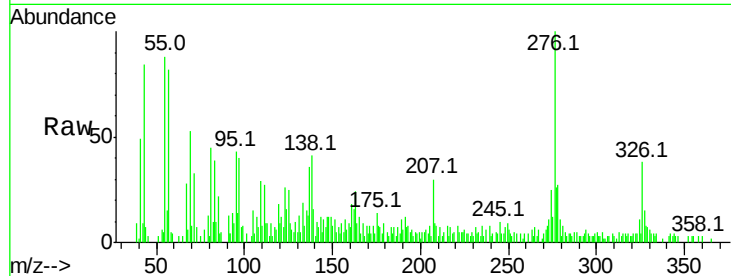
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.103 ng
RT: 16.08 min Scan# 2430
Delta R.T. -0.12 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	36.3	27.8	41.6
277	25.0	20.2	30.4

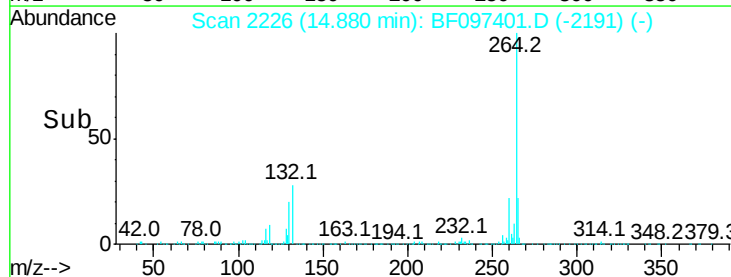
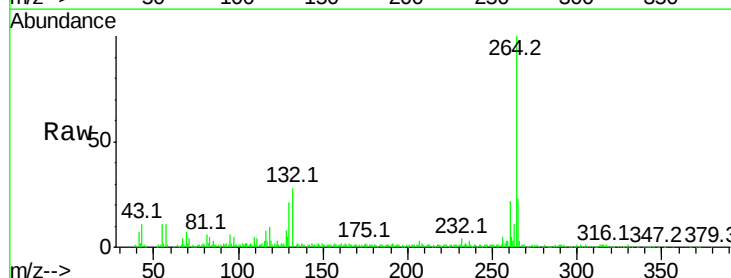
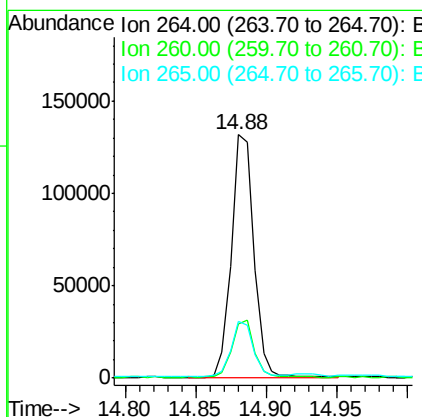
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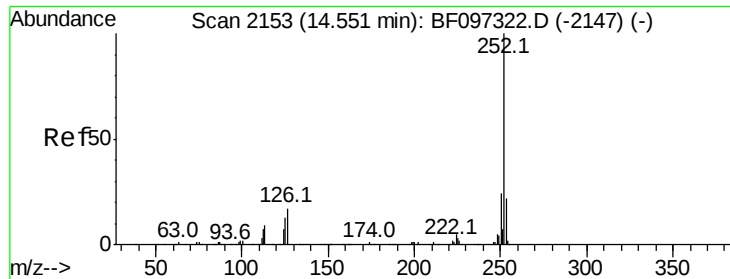
Sohil
8/7/2017 6:00:45 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 14.88 min Scan# 2226
Delta R.T. -0.09 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	23.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.683 ng m

RT: 14.53 min Scan# 2167

Delta R.T. -0.08 min

Lab File: BF097401.D

Acq: 5 Aug 2017 17:04

Instrument :

BNA_F

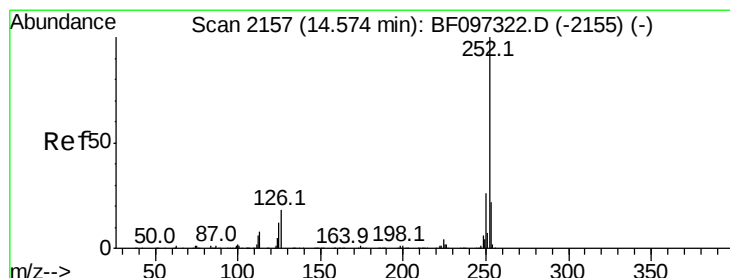
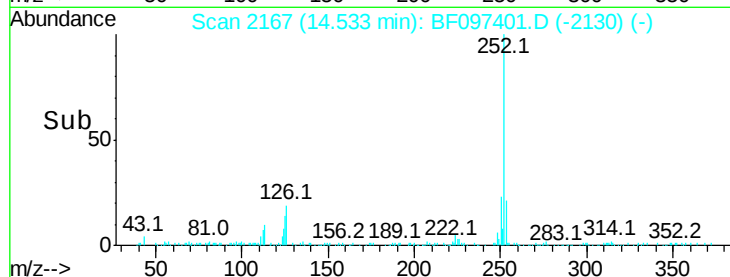
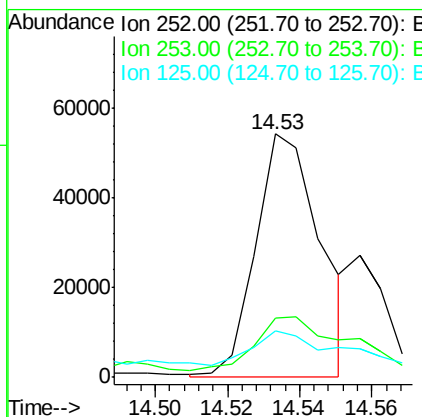
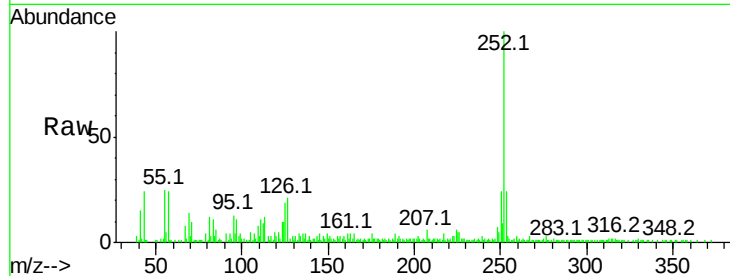
ClientSampleId :

PL-02-080317-C

Tot Ion:	252	Resp:	67802
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.1	27.1
125	19.2	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 2.465 ng m

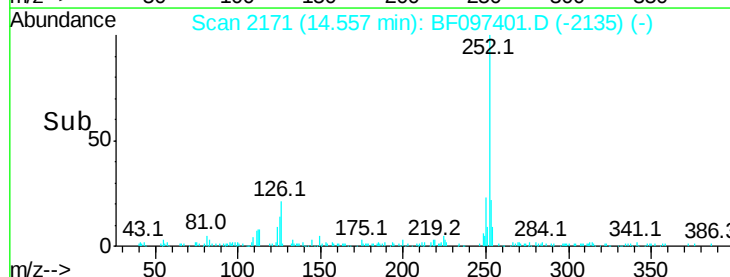
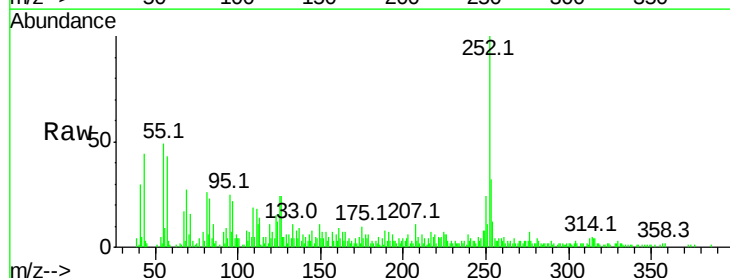
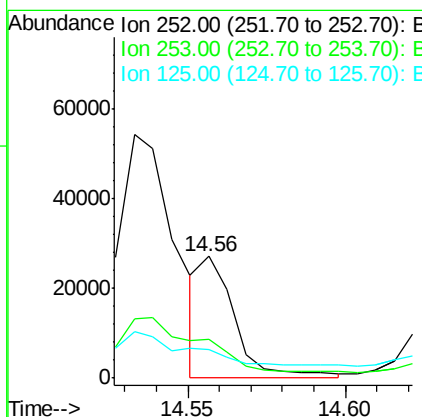
RT: 14.56 min Scan# 2171

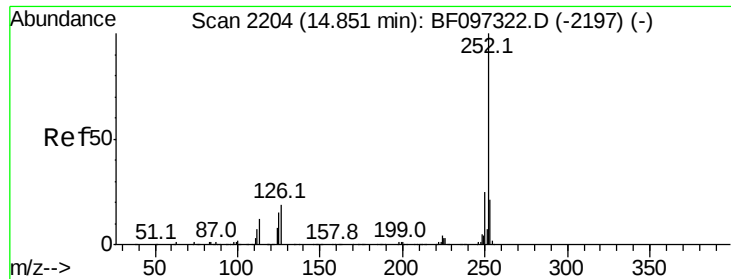
Delta R.T. -0.09 min

Lab File: BF097401.D

Acq: 5 Aug 2017 17:04

Tgt Ion:	252	Resp:	20731
Ion Ratio	Lower	Upper	
252	100		
253	31.9	18.4	27.6#
125	23.5	13.1	19.7#





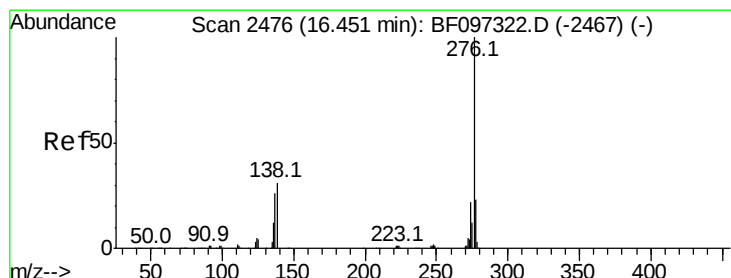
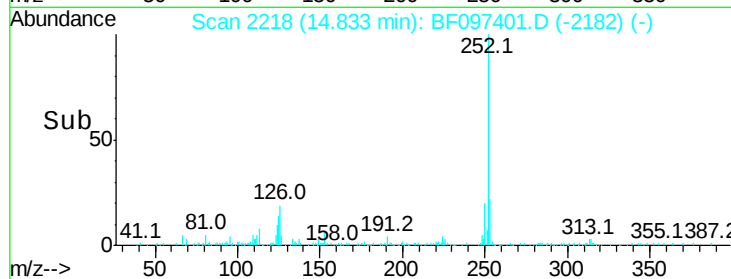
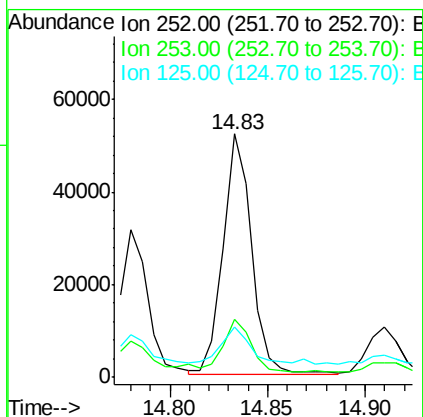
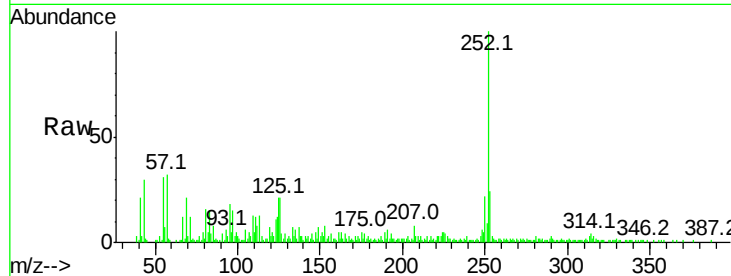
#89
Benzo(a)pyrene
Concen: 6.461 ng
RT: 14.83 min Scan# 2218
Delta R.T. -0.09 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	20.8	11.0	16.4

Manual Integrations
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8/7/2017 6:00:45 PM



#91
Benzo(g,h,i)perylene
Concen: 3.114 ng
RT: 16.44 min Scan# 2491
Delta R.T. -0.13 min
Lab File: BF097401.D
Acq: 5 Aug 2017 17:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.9	18.6	28.0
138	41.1	25.4	38.0

