

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
 Data File : BF098052.D
 Acq On : 26 Aug 2017 1:27
 Operator : SJ/JU
 Sample : I4948-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-COMP

Manual Integrations
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Quant Time: Aug 26 02:20:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	97393	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	336028	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	131558	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	253391	20.00	ng	0.00
75) Chrysene-d12	13.89	240	203019	20.00	ng	0.00
86) Perylene-d12	15.32	264	143799	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	669369	104.54	ng	0.00
7) Phenol-d6	6.38	99	889297	102.22	ng	0.00
23) Nitrobenzene-d5	7.30	82	455961	73.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	123913	108.55	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	580064	64.78	ng	0.00
78) Terphenyl-d14	12.84	244	485982	49.92	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	9.64	152	30502	2.191	ng	99
49) Dimethylphthalate	9.49	163	52853	5.496	ng	98
51) Acenaphthene	9.81	154	31775	3.619	ng	98
54) Dibenzofuran	9.98	168	49683	4.223	ng	97
57) Fluorene	10.32	166	55963	6.152	ng	96
70) Phenanthrene	11.29	178	296701	21.974	ng	98
71) Anthracene	11.33	178	120089	8.769	ng	99
74) Fluoranthene	12.47	202	439740	31.202	ng	98
77) Pyrene	12.70	202	362821	21.851	ng	98
80) Benzo(a)anthracene	13.89	228	141599	11.637	ng	96
82) Chrysene	13.92	228	116617	9.634	ng	99
85) Indeno(1,2,3-cd)pyrene	16.69	276	35154m	3.948	ng	
87) Benzo(b)fluoranthene	14.91	252	106257m	11.723	ng	
88) Benzo(k)fluoranthene	14.93	252	34868m	4.095	ng	
89) Benzo(a)pyrene	15.26	252	77402	9.646	ng	97
91) Benzo(g,h,i)perylene	17.11	276	31554	4.629	ng	97

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

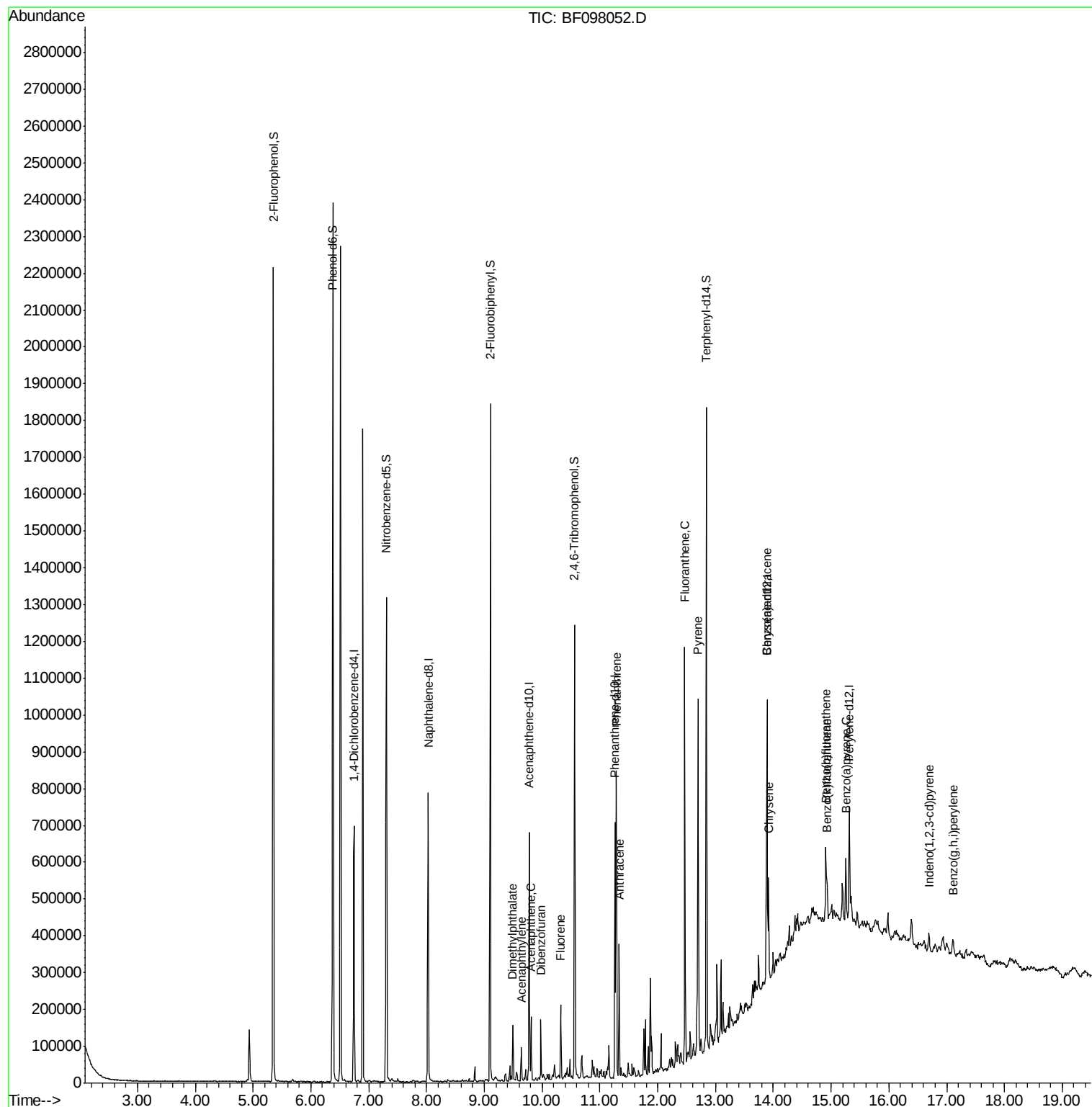
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
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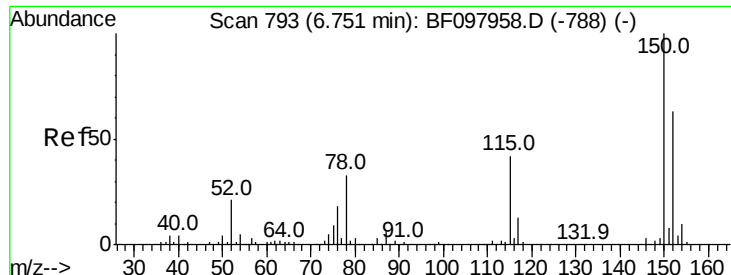
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#1

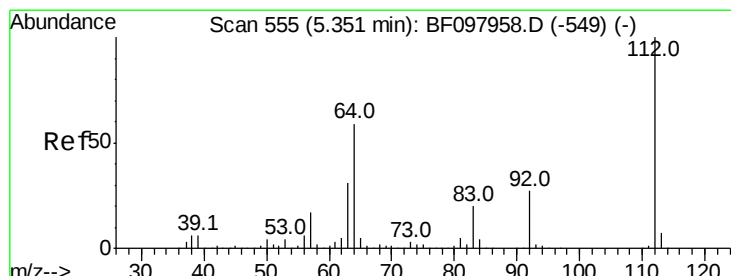
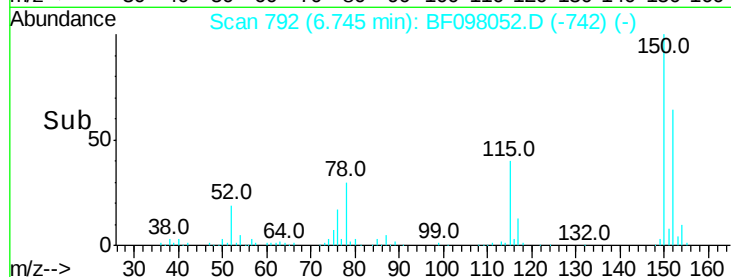
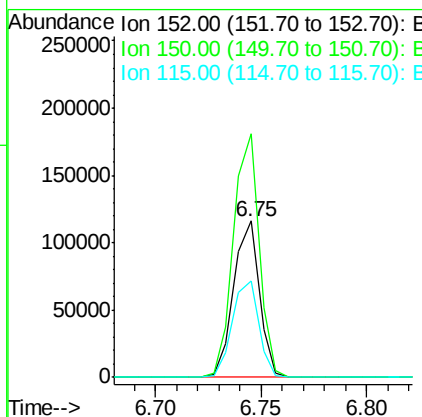
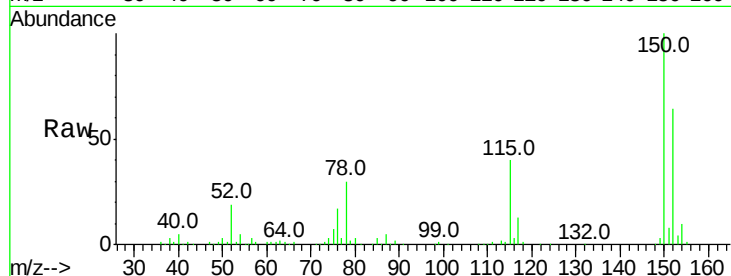
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF098052.D
 Acq: 26 Aug 2017 1:27

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	126.2	189.2
115	61.8	52.2	78.2

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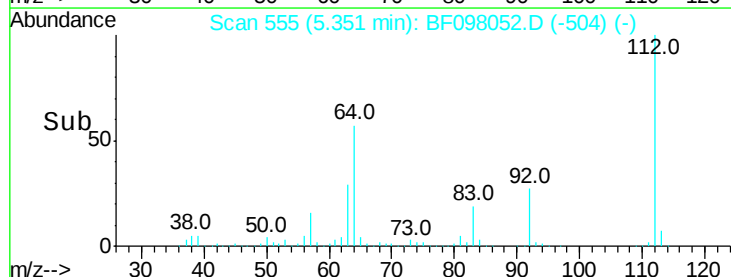
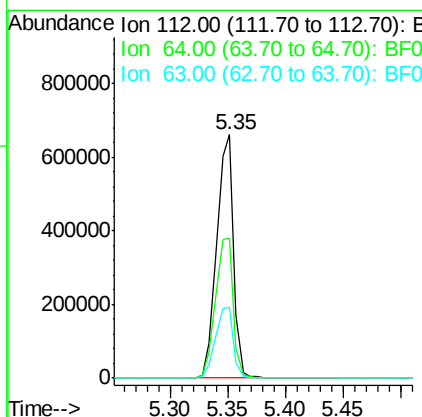
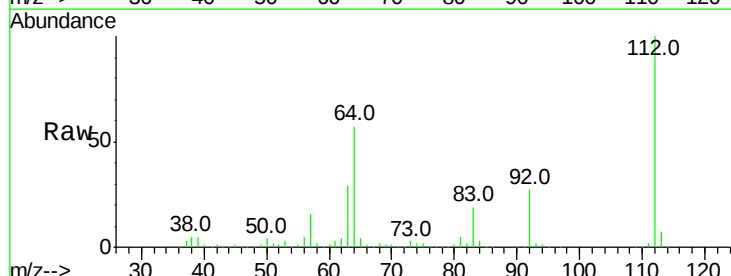
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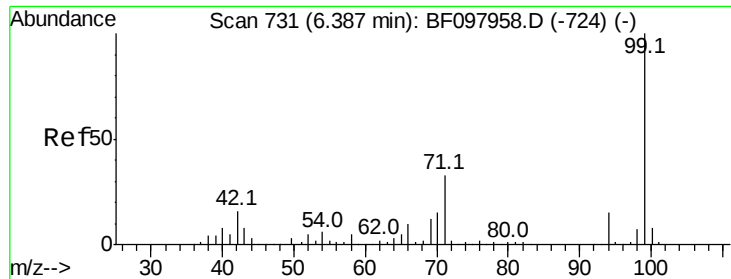


#5

2-Fluorophenol
 Concen: 104.541 ng
 RT: 5.35 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: BF098052.D
 Acq: 26 Aug 2017 1:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.0	69.0
63	29.0	23.4	35.0





#7

Phenol-d6

Concen: 102.221 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098052.D

Acq: 26 Aug 2017 1:27

Instrument :

BNA_F

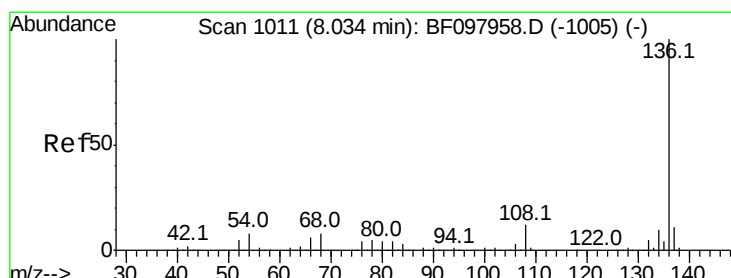
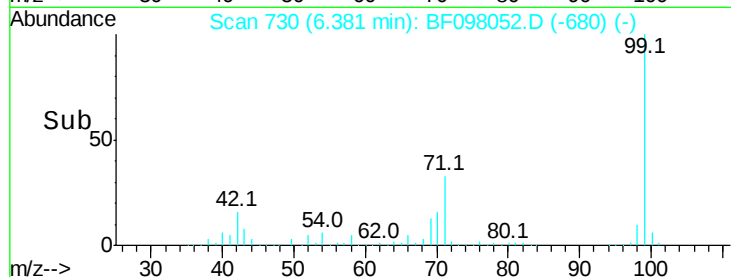
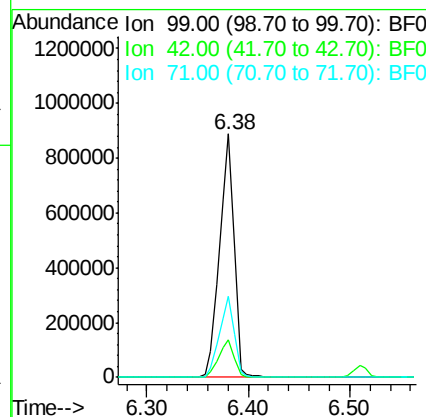
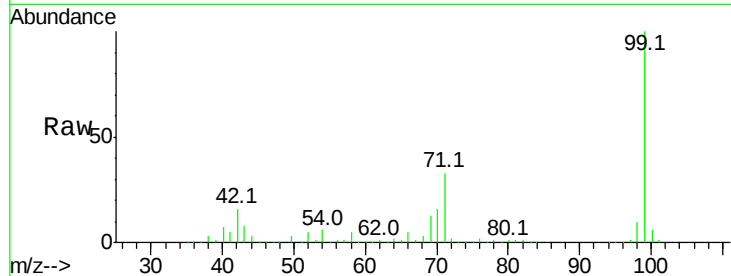
ClientSampleId :

TP-2-COMP

Tot Ion:	99	Resp:	889297
Ion Ratio	Lower	Upper	
99	100		
42	15.7	13.5	20.3
71	33.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

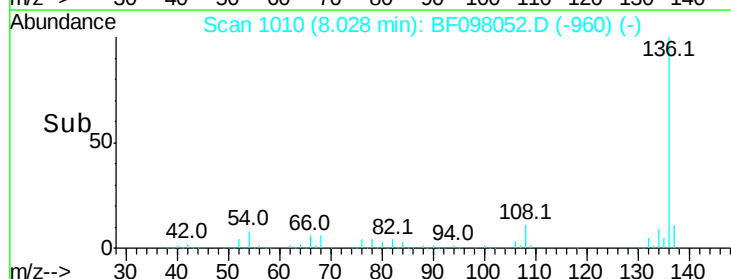
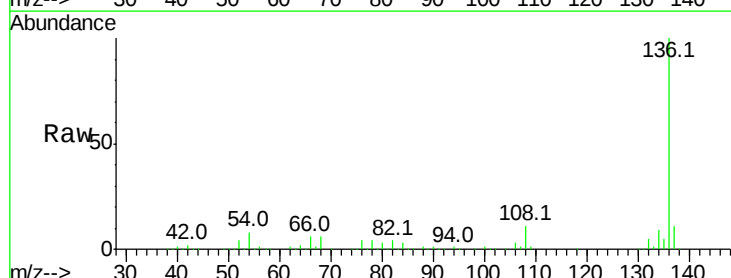
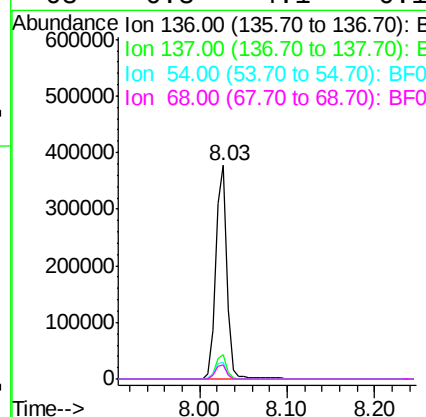
RT: 8.03 min Scan# 1010

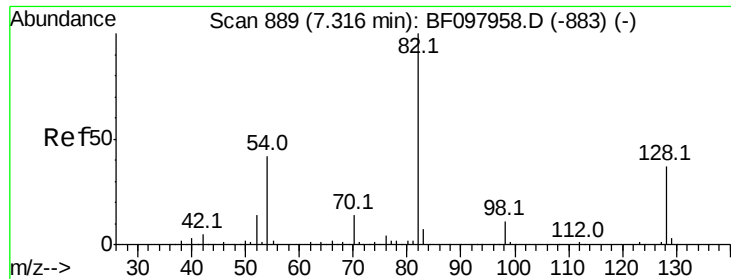
Delta R.T. -0.01 min

Lab File: BF098052.D

Acq: 26 Aug 2017 1:27

Tgt Ion:	136	Resp:	336028
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	7.6	4.9	7.3#
68	6.3	4.1	6.1#





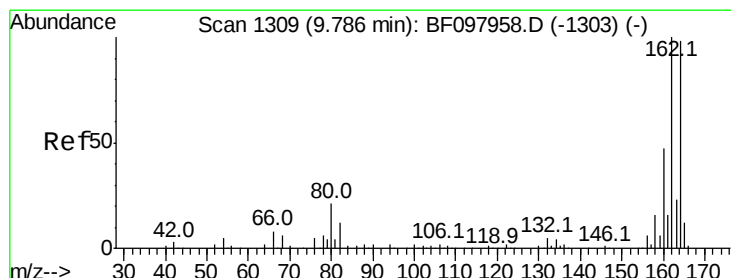
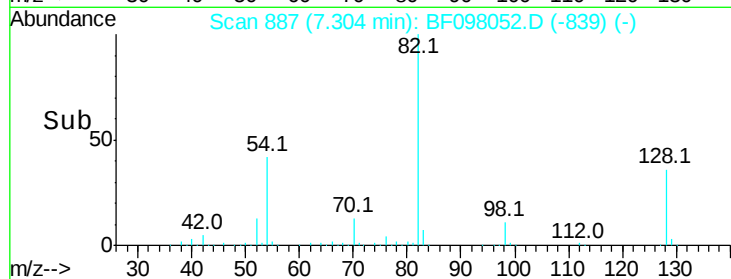
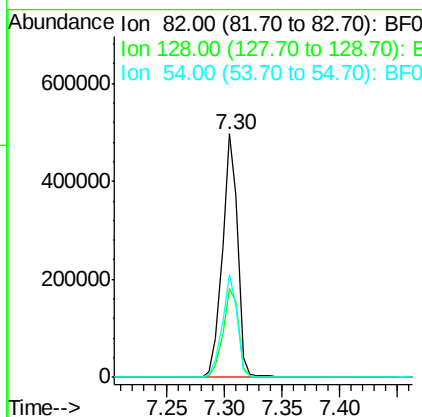
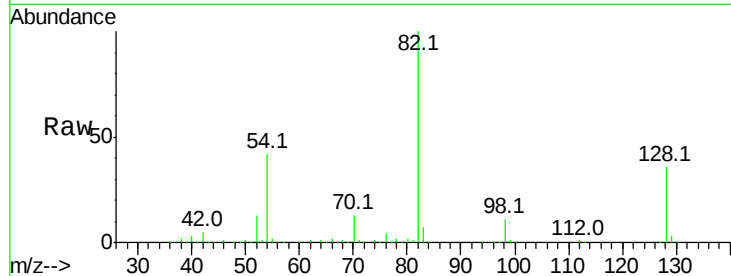
#23
 Nitrobenzene-d5
 Concen: 73.714 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF098052.D
 Acq: 26 Aug 2017 1:27

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	36.5	34.0	51.0	
54	42.2	42.2	63.2	

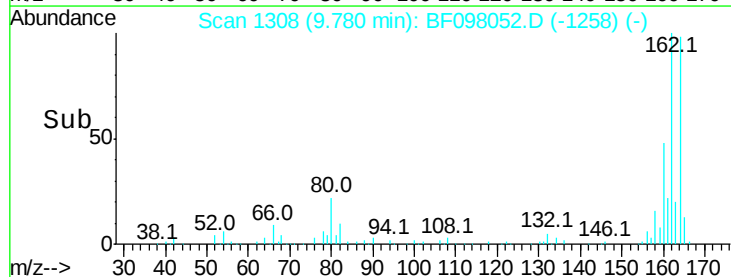
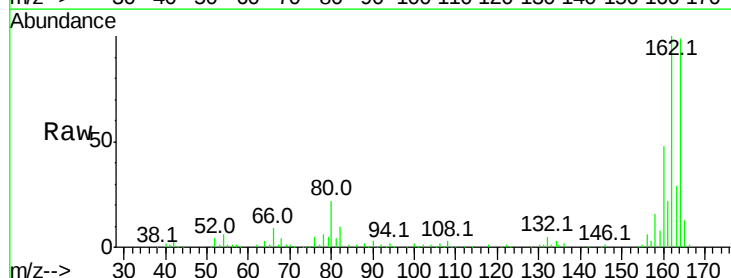
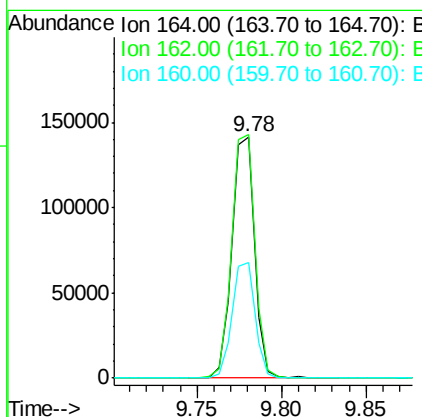
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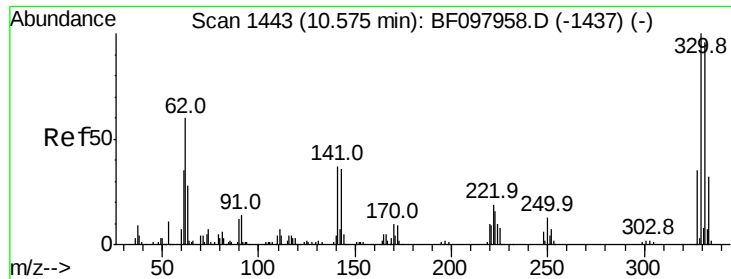
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF098052.D
 Acq: 26 Aug 2017 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.8	82.6	123.8	
160	48.0	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 108.555 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF098052.D

Acq: 26 Aug 2017 1:27

Instrument :

BNA_F

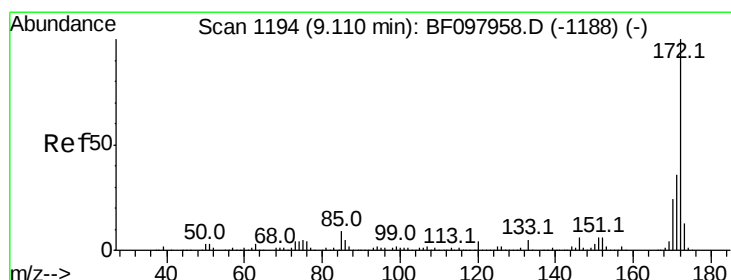
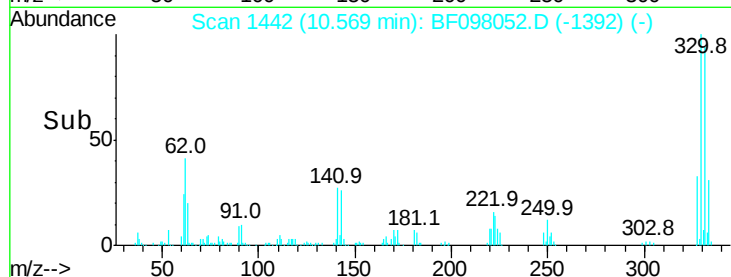
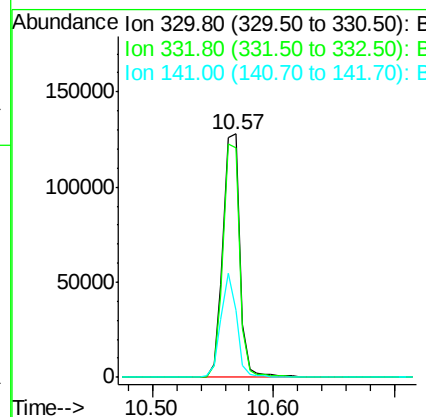
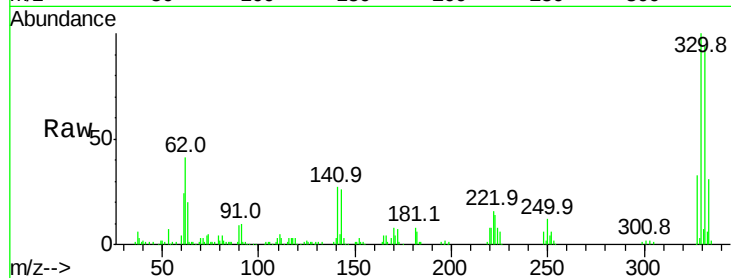
ClientSampleId :

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Tot Ion:	330	Resp:	123913
Ion Ratio	Lower	Upper	
330	100		
332	94.1	76.6	115.0
141	39.4	31.4	47.2

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#44

2-Fluorobiphenyl

Concen: 64.780 ng

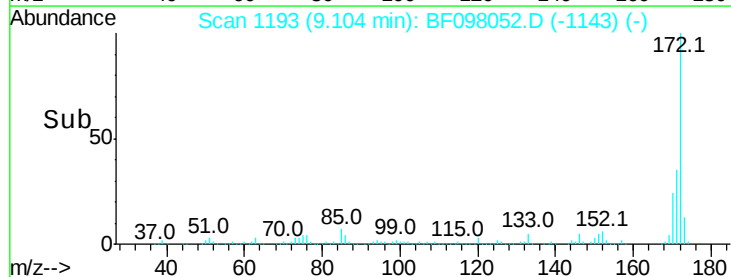
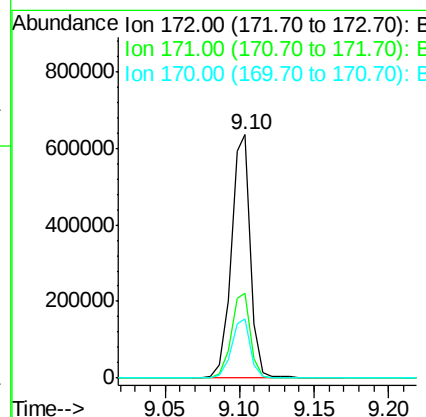
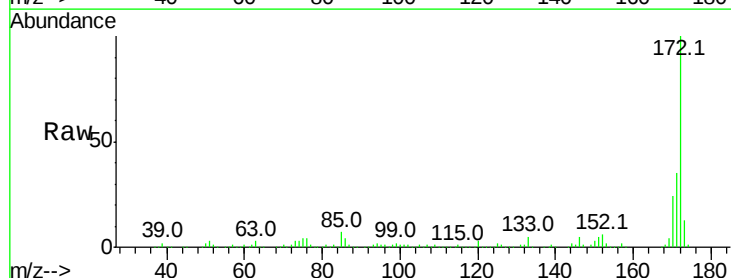
RT: 9.10 min Scan# 1193

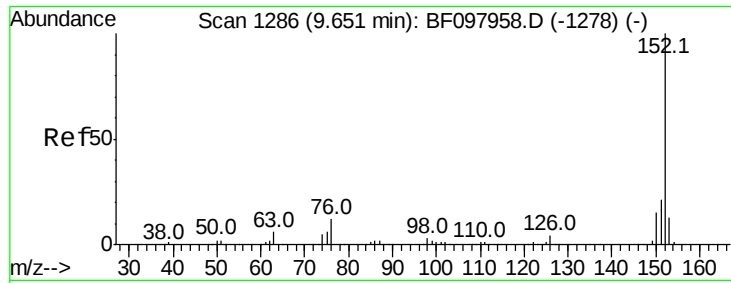
Delta R.T. -0.01 min

Lab File: BF098052.D

Acq: 26 Aug 2017 1:27

Tgt Ion:	172	Resp:	580064
Ion Ratio	Lower	Upper	
172	100		
171	35.0	29.6	44.4
170	24.4	19.8	29.8





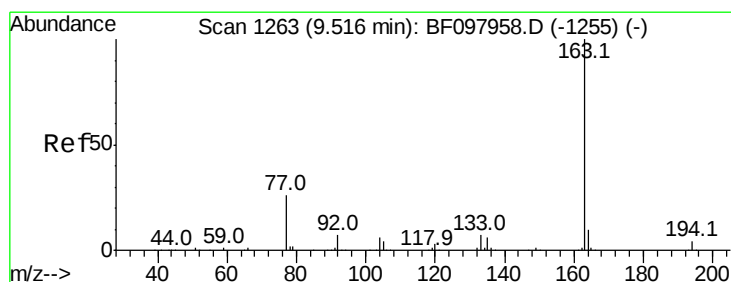
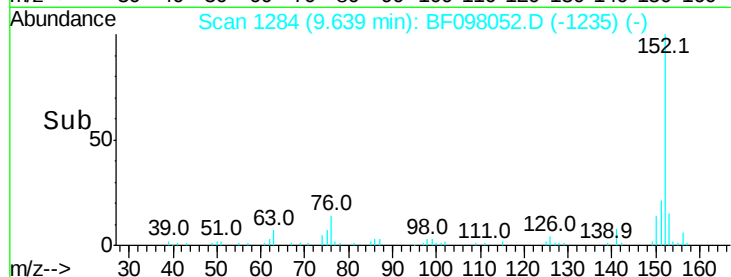
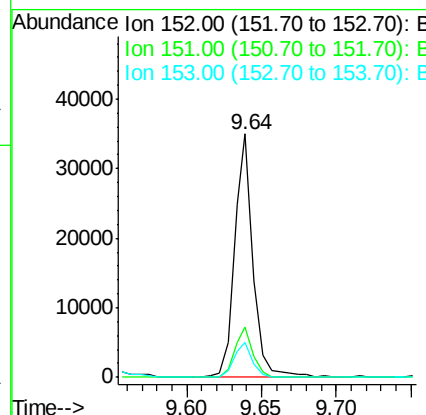
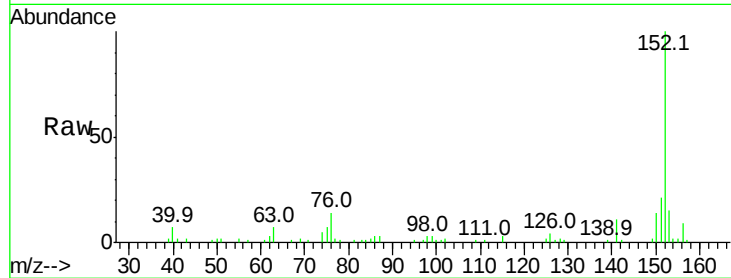
#48
Acenaphthylene
Concen: 2.191 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF098052.D
Acq: 26 Aug 2017 1:27

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:	152	Resp:	30502
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.8	25.2
153	14.6	10.8	16.2

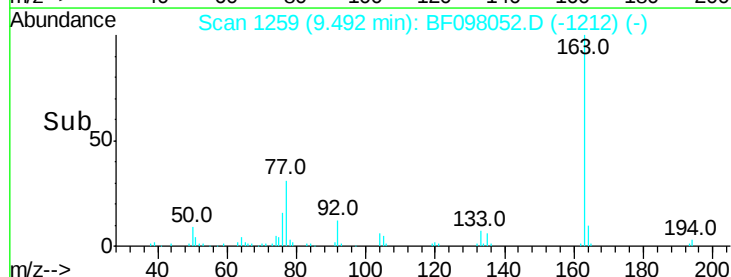
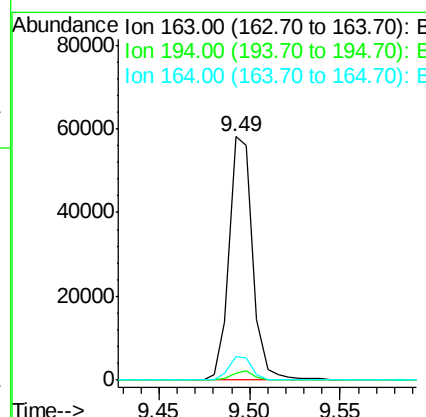
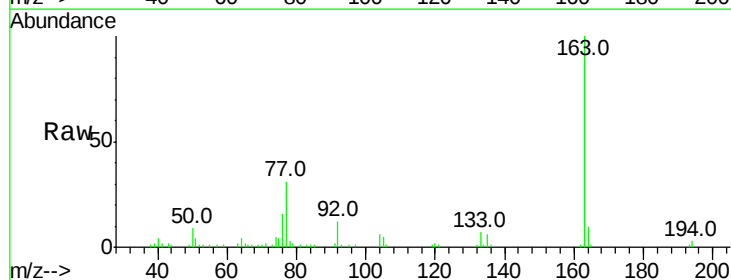
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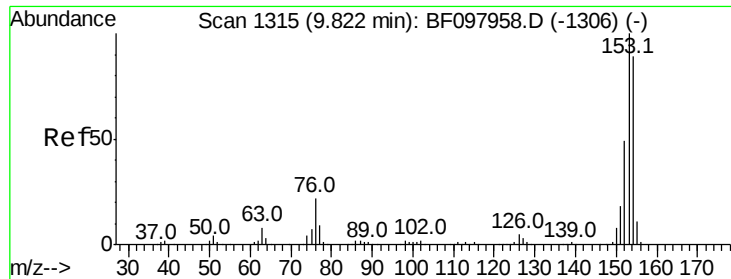
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#49
Dimethylphthalate
Concen: 5.496 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098052.D
Acq: 26 Aug 2017 1:27

Tgt Ion:	163	Resp:	52853
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.6	4.0
164	9.7	8.4	12.6





#51

Acenaphthene

Concen: 3.619 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF098052.D

Acq: 26 Aug 2017 1:27

Instrument :

BNA_F

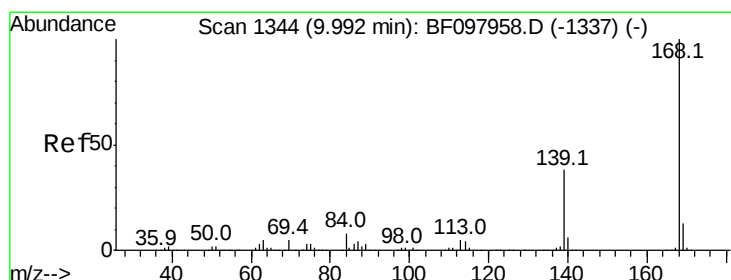
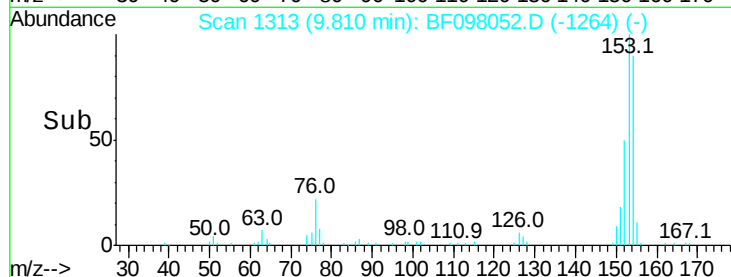
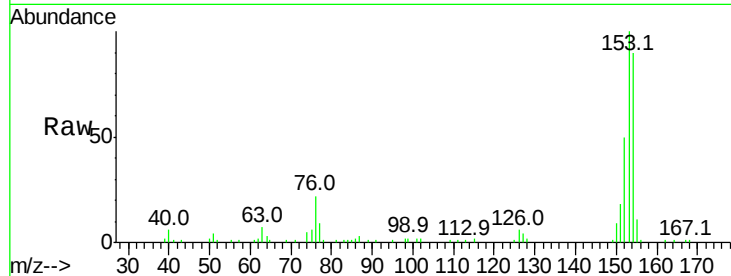
ClientSampleId :

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Tot Ion:154	Resp:	31775
Ion Ratio	Lower	Upper
154	100	
153	110.6	90.5 135.7
152	55.3	43.6 65.4

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#54

Dibenzofuran

Concen: 4.223 ng

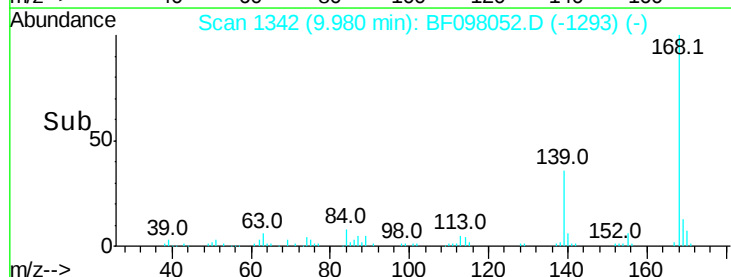
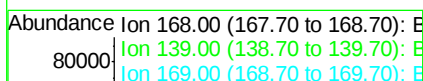
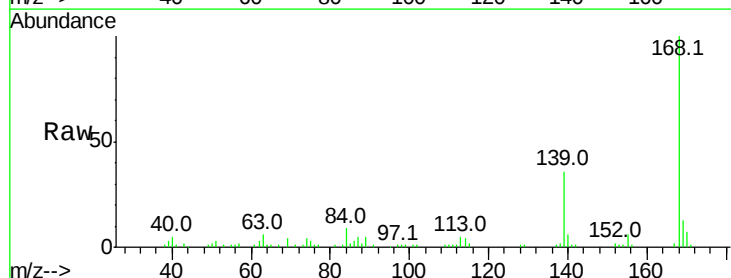
RT: 9.98 min Scan# 1342

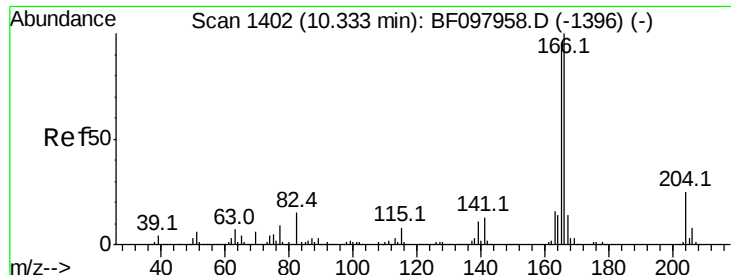
Delta R.T. -0.01 min

Lab File: BF098052.D

Acq: 26 Aug 2017 1:27

Tgt Ion:168	Resp:	49683
Ion Ratio	Lower	Upper
168	100	
139	36.2	30.6 45.8
169	13.3	10.8 16.2





#57

Fluorene

Concen: 6.152 ng

RT: 10.32 min Scan# 1400

Delta R.T. -0.01 min

Lab File: BF098052.D

Acq: 26 Aug 2017 1:27

Instrument :

BNA_F

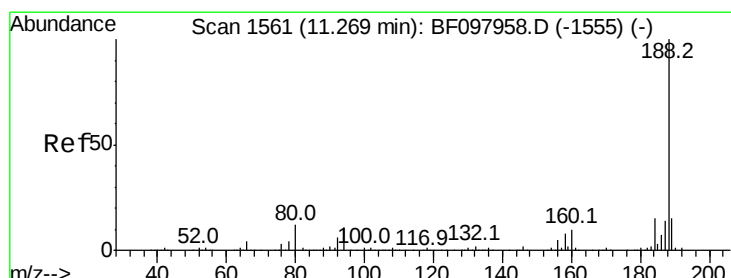
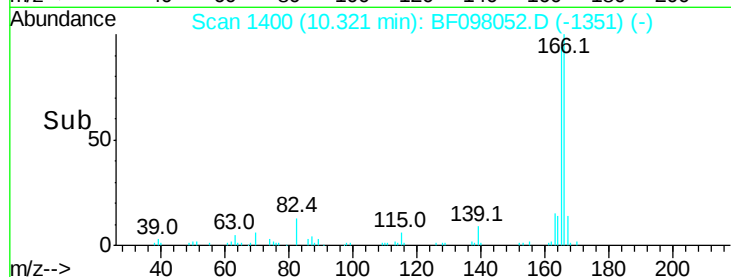
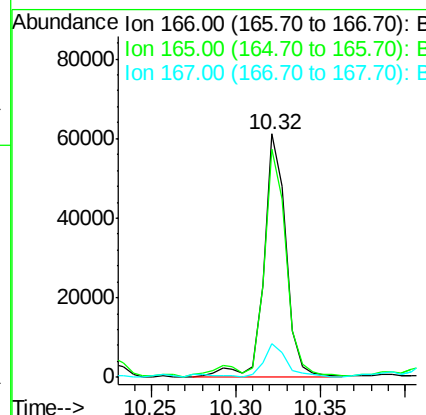
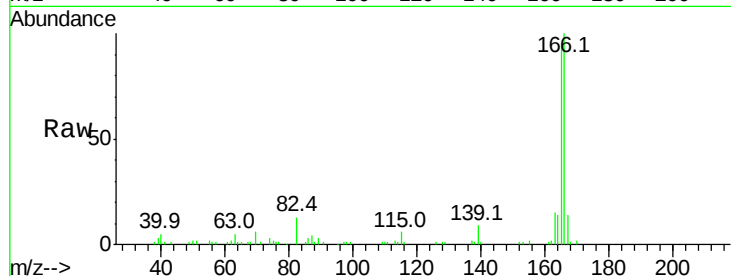
ClientSampleId :

TP-2-COMP

Tot Ion:	166	Resp:	55963
Ion Ratio	Lower	Upper	
166	100		
165	93.6	78.8	118.2
167	13.9	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

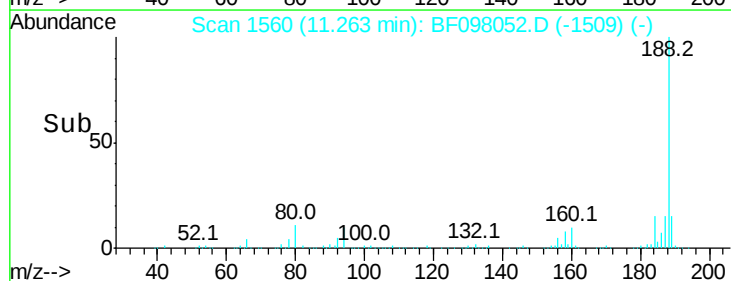
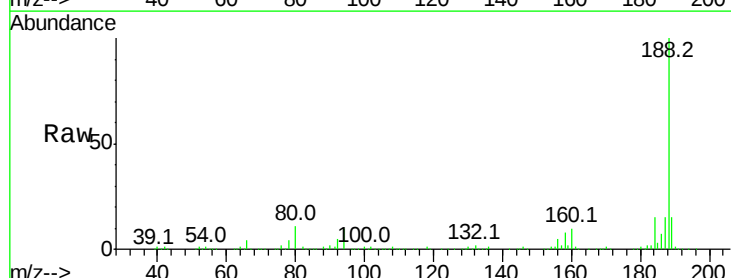
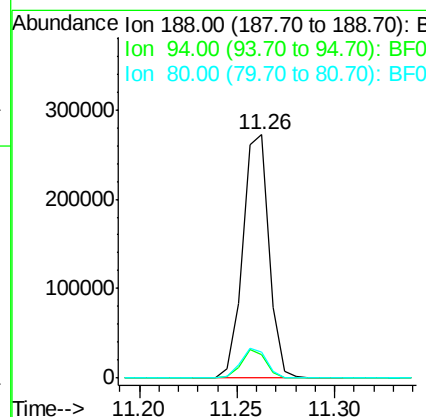
RT: 11.26 min Scan# 1560

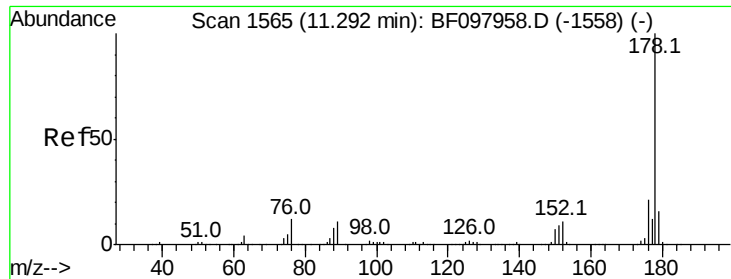
Delta R.T. -0.00 min

Lab File: BF098052.D

Acq: 26 Aug 2017 1:27

Tgt Ion:	188	Resp:	253391
Ion Ratio	Lower	Upper	
188	100		
94	9.9	9.4	14.2
80	10.9	10.2	15.2





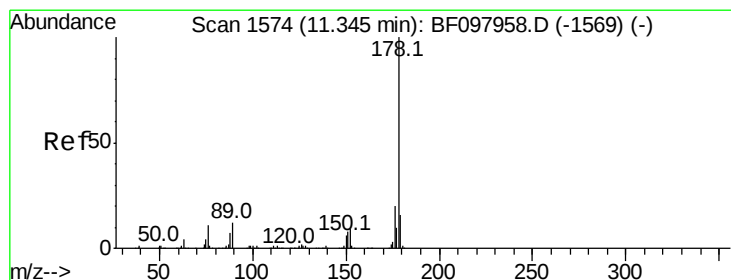
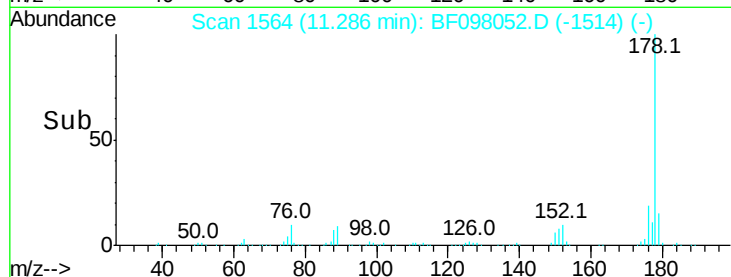
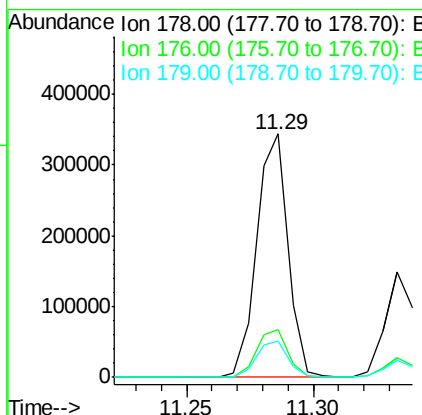
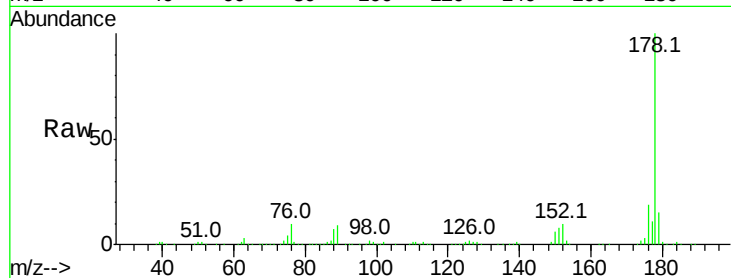
#70
Phenanthrene
Concen: 21.974 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF098052.D
Acq: 26 Aug 2017 1:27

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.1	12.6	19.0

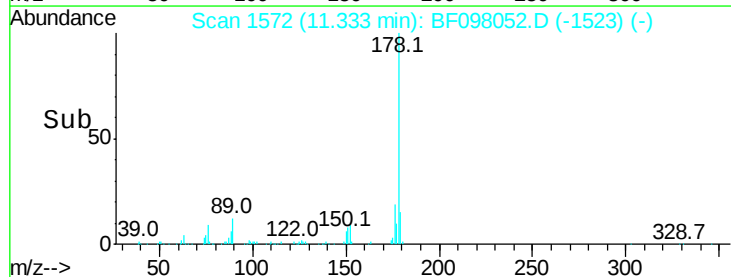
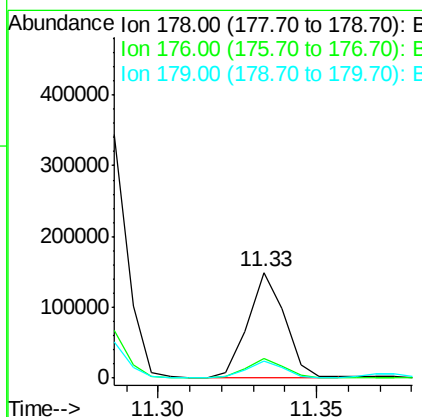
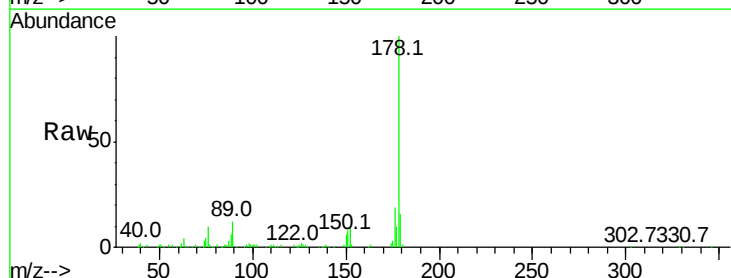
Manual Integrations
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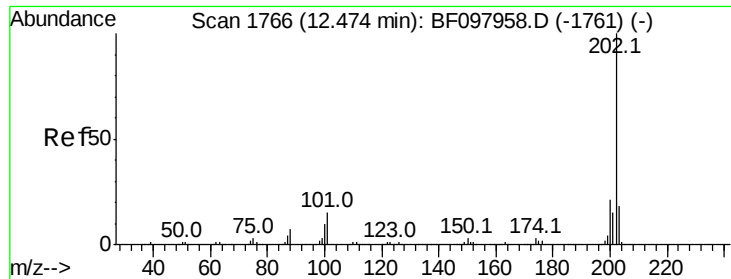
Sohil
8/28/2017 3:13:39 PM



#71
Anthracene
Concen: 8.769 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF098052.D
Acq: 26 Aug 2017 1:27

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





#74

Fluoranthene

Concen: 31.202 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF098052.D

Acq: 26 Aug 2017 1:27

Instrument :

BNA_F

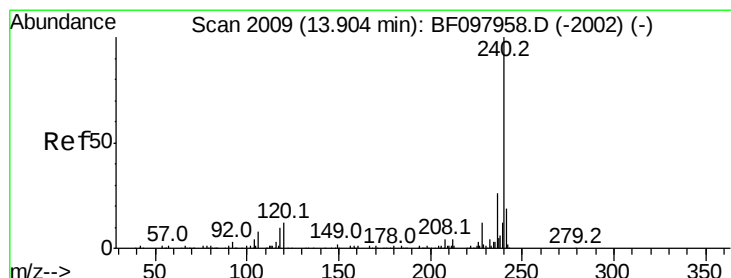
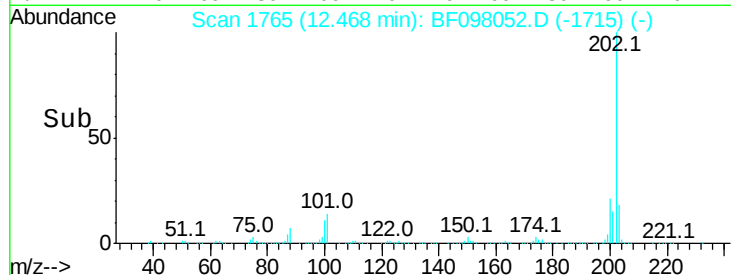
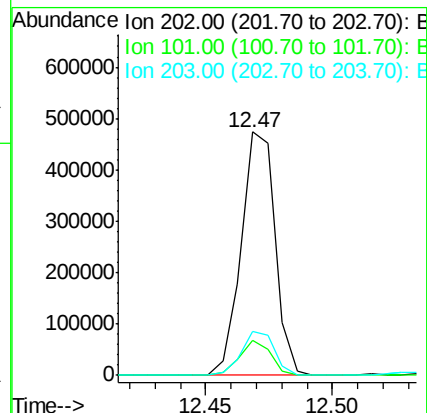
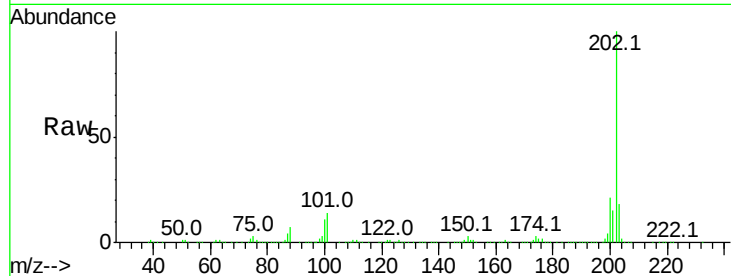
ClientSampleId :

TP-2-COMP

Tot Ion:	202	Resp:	439740
Ion Ratio	Lower	Upper	
202	100		
101	14.5	0.0	33.2
203	18.2	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

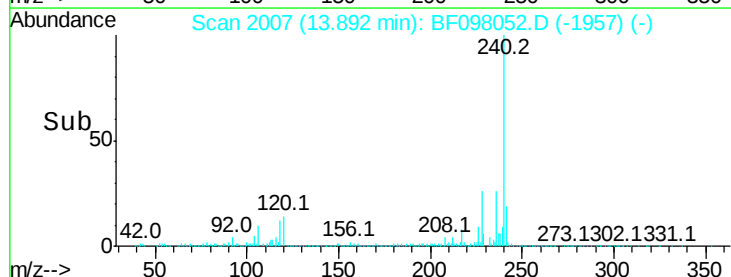
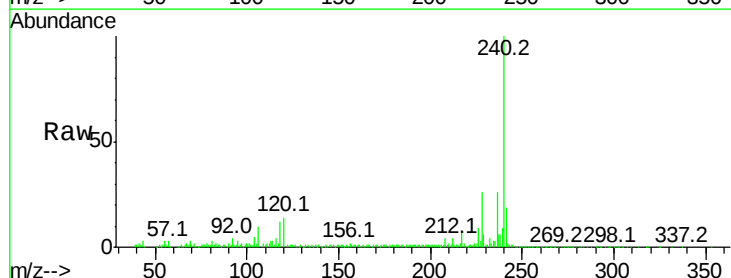
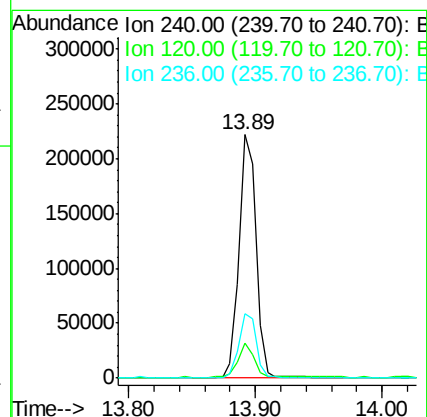
RT: 13.89 min Scan# 2007

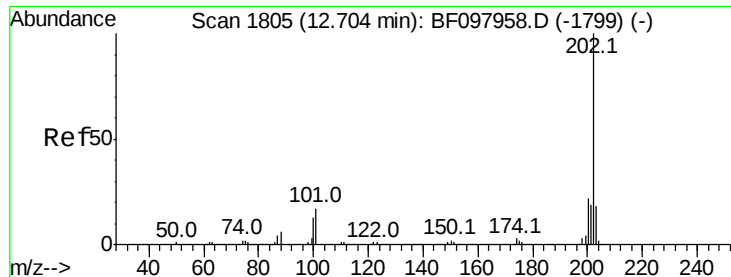
Delta R.T. -0.01 min

Lab File: BF098052.D

Acq: 26 Aug 2017 1:27

Tgt Ion:	240	Resp:	203019
Ion Ratio	Lower	Upper	
240	100		
120	14.2	5.8	8.8#
236	26.2	20.5	30.7





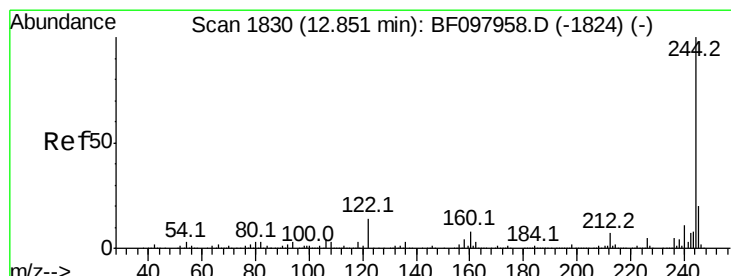
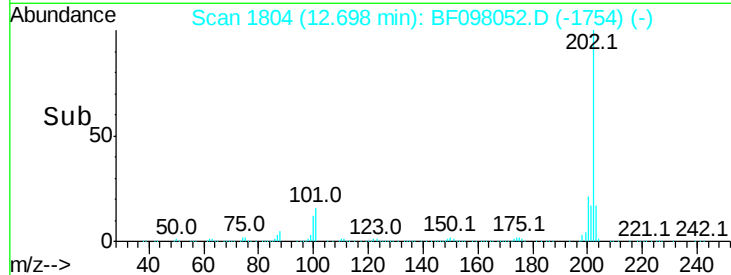
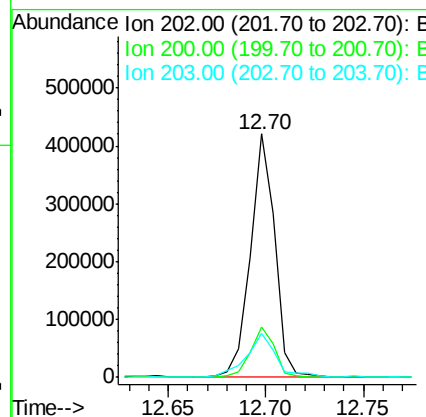
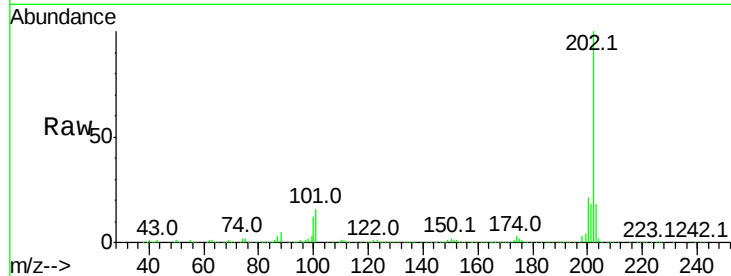
#77
Pvrene
Concen: 21.851 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF098052.D
Acq: 26 Aug 2017 1:27

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	17.6	26.4
203	17.8	14.4	21.6

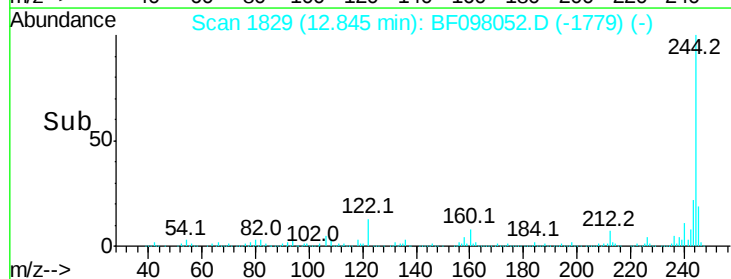
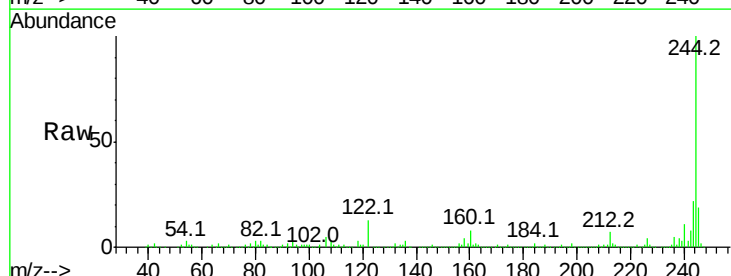
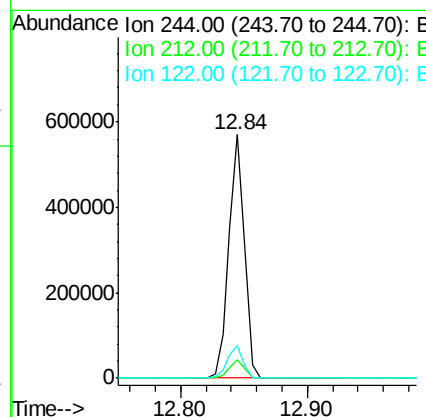
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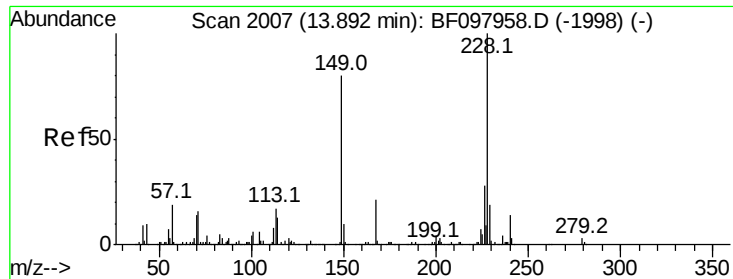
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#78
Terphenyl-d14
Concen: 49.918 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF098052.D
Acq: 26 Aug 2017 1:27

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	6.0	9.0
122	13.2	10.3	15.5





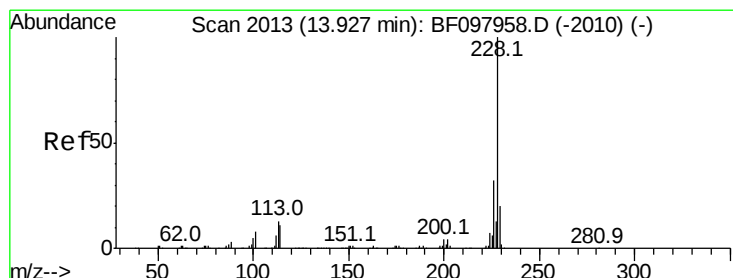
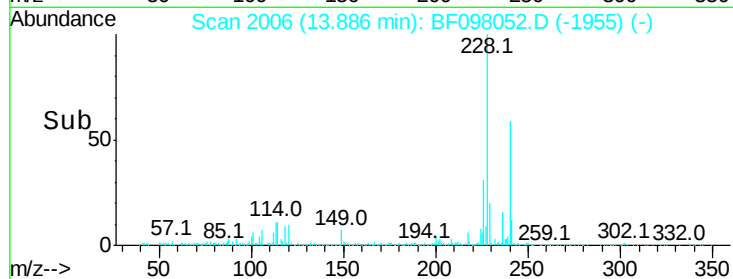
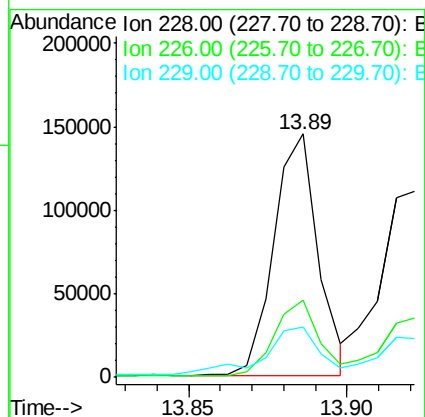
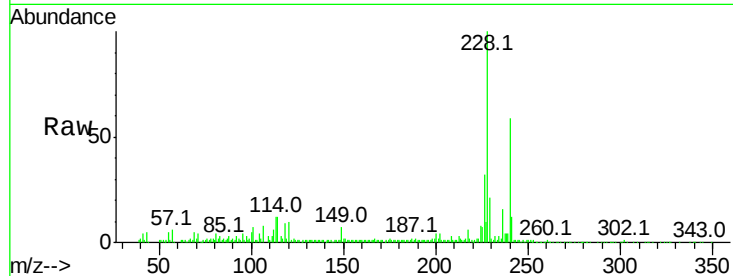
#80
Benzo(a)anthracene
Concen: 11.637 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF098052.D
Acq: 26 Aug 2017 1:27

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.6	33.8
229	20.7	16.3	24.5

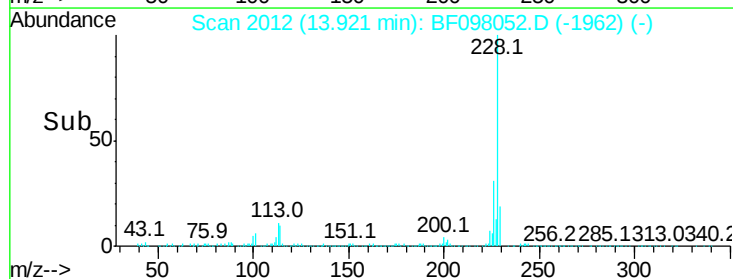
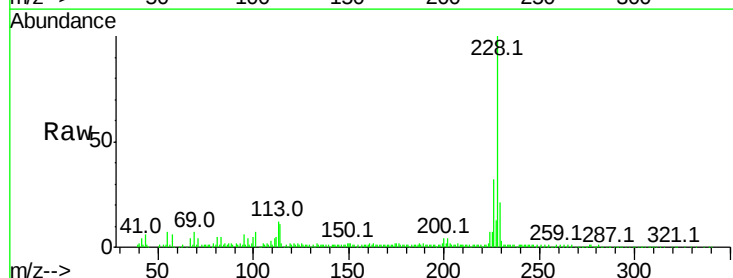
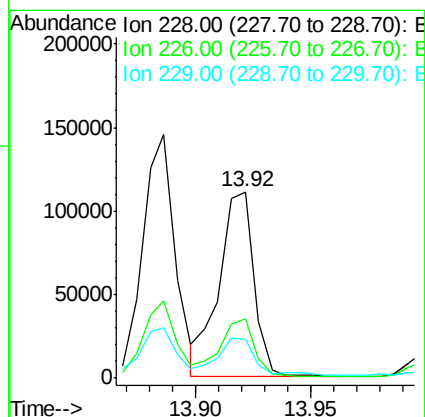
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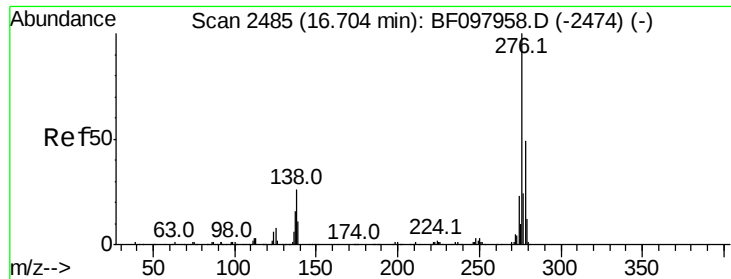
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#82
Chrysene
Concen: 9.634 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF098052.D
Acq: 26 Aug 2017 1:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.9	37.3
229	20.7	15.8	23.6





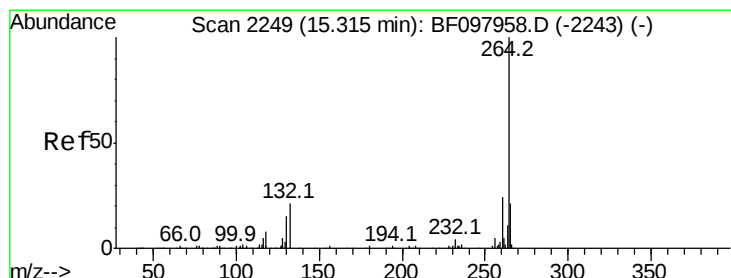
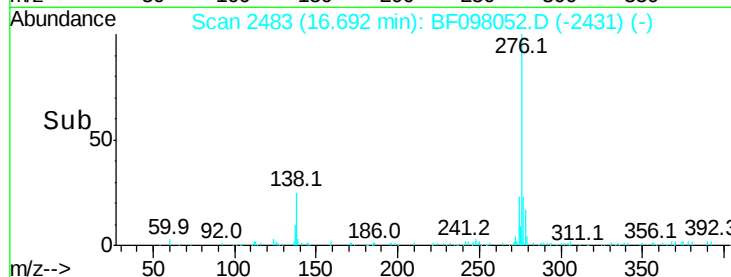
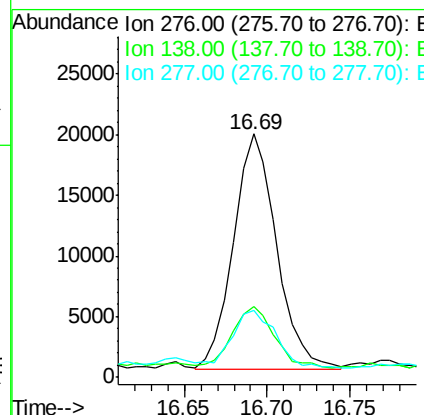
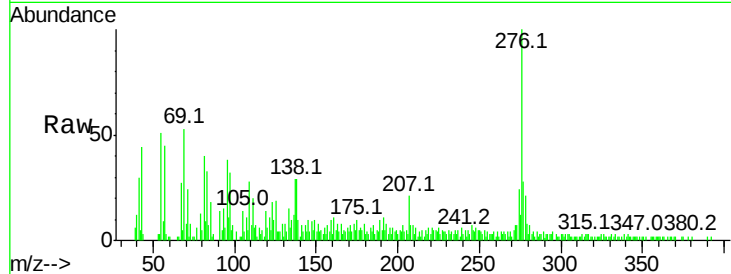
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.948 ng
RT: 16.69 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BF098052.D
Acq: 26 Aug 2017 1:27

Instrument :
BNA_F
ClientSampled :
TP-2-COMP

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	6.2	27.8	41.6#	
277	5.7	20.2	30.4#	

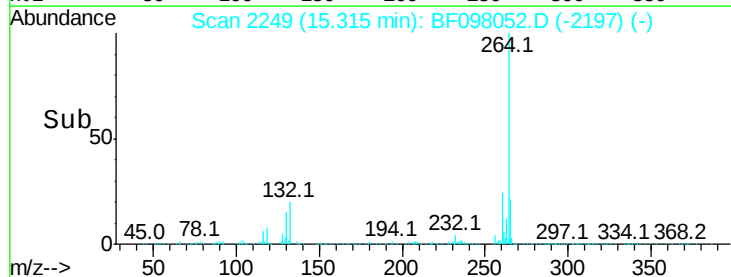
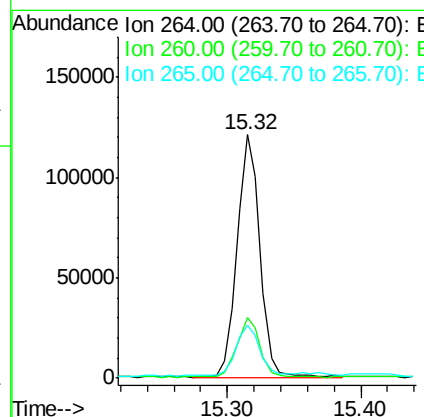
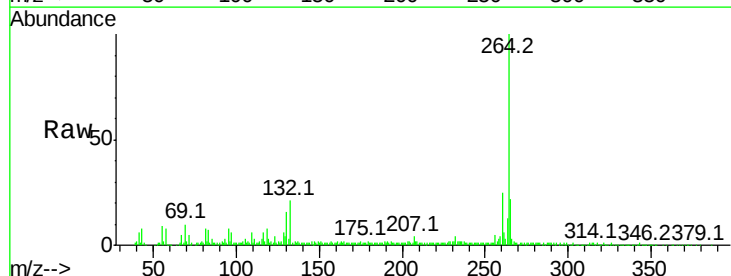
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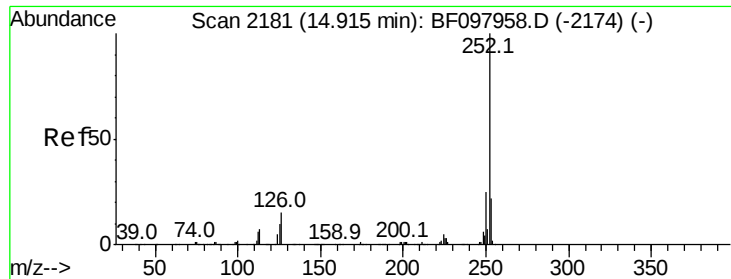
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF098052.D
Acq: 26 Aug 2017 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.7	19.5	29.3	
265	21.8	17.2	25.8	





#87

Benzo(b)fluoranthene

Concen: 11.723 ng m

RT: 14.91 min Scan# 2180

Delta R.T. -0.00 min

Lab File: BF098052.D

Acq: 26 Aug 2017 1:27

Instrument :

BNA_F

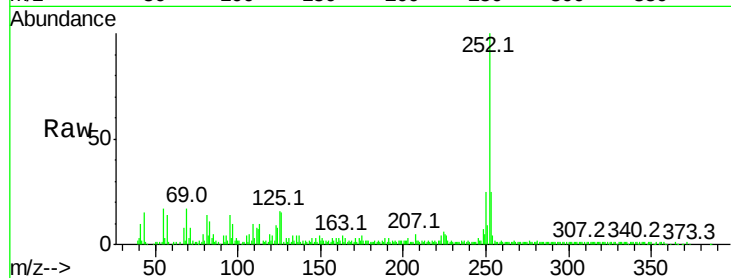
ClientSampleId :

TP-2-COMP

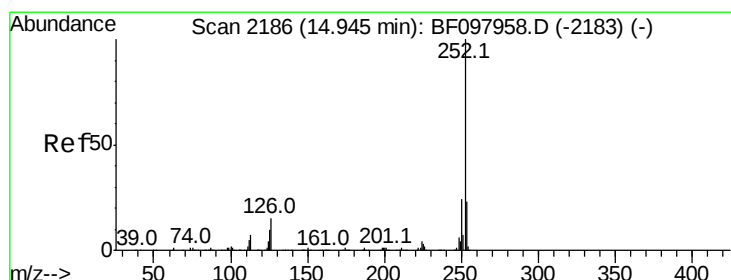
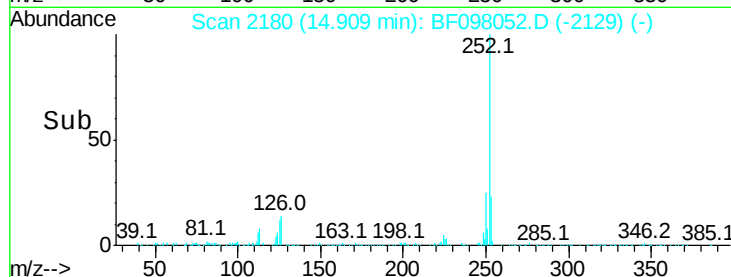
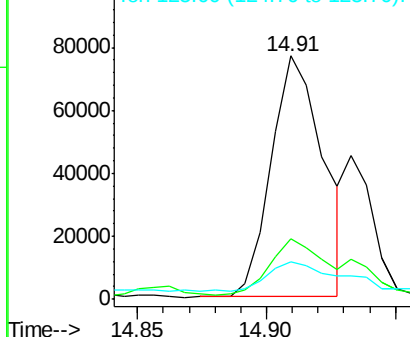
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	15.5	9.8	14.8

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.095 ng m

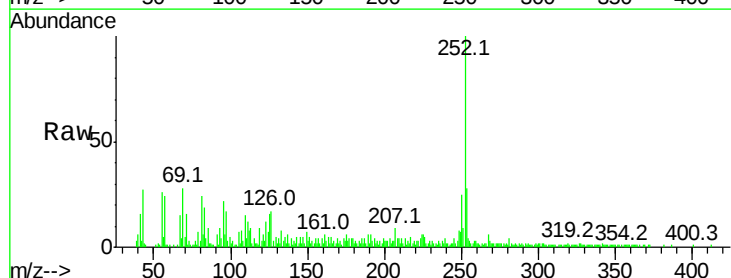
RT: 14.93 min Scan# 2184

Delta R.T. -0.01 min

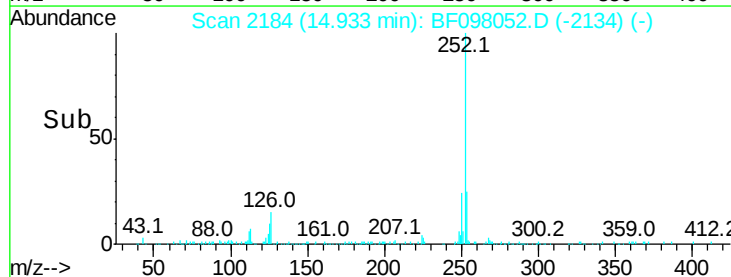
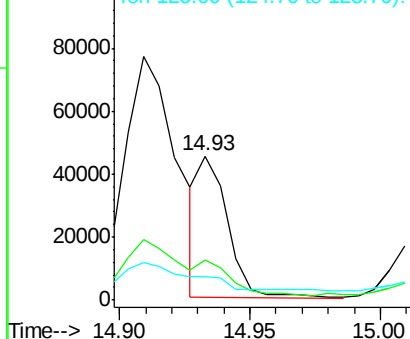
Lab File: BF098052.D

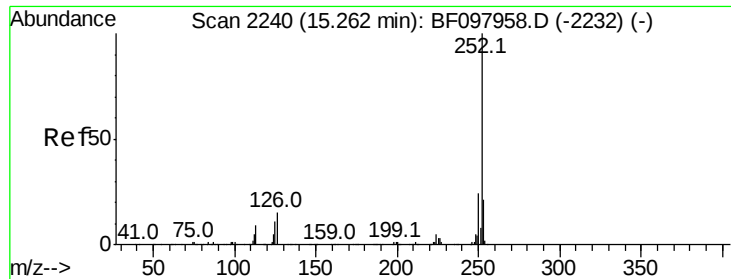
Acq: 26 Aug 2017 1:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.4	27.6
125	16.4	13.1	19.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





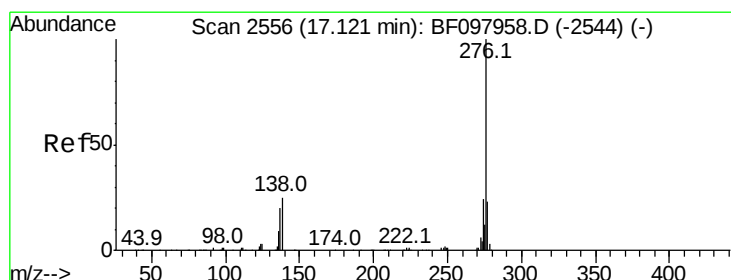
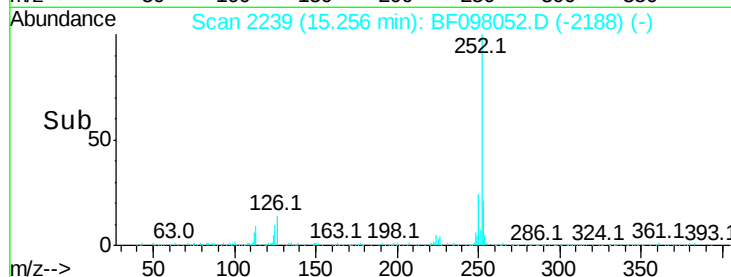
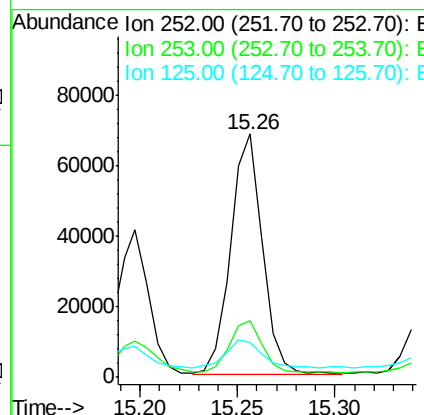
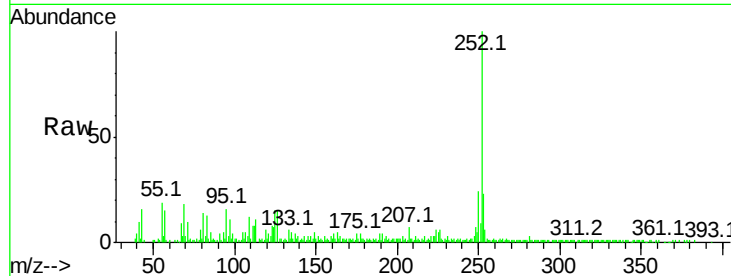
#89
Benzo(a)pyrene
Concen: 9.646 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BF098052.D
Acq: 26 Aug 2017 1:27

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	14.6	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.629 ng
RT: 17.11 min Scan# 2554
Delta R.T. -0.00 min
Lab File: BF098052.D
Acq: 26 Aug 2017 1:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.6	28.0
138	31.0	25.4	38.0

