

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082317\
 Data File : BF097997.D
 Acq On : 23 Aug 2017 14:48
 Operator : SJ/JU
 Sample : I4913-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-BE2-1-3-COMP

Manual Integrations
 APPROVED

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 8/24/2017 4:59:52 PM

Quant Time: Aug 23 18:08:55 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	6.74	152	133440	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	513686	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	222054	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	402619	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	195294	20.00	ng	-0.01
86) Perylene-d12	15.30	264	253836	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1052113	119.93	ng	0.00
7) Phenol-d6	6.38	99	1447258	121.42	ng	0.00
23) Nitrobenzene-d5	7.30	82	897920	94.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	204560	106.17	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1240222	82.06	ng	-0.01
78) Terphenyl-d14	12.84	244	868862	92.78	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.49	163	201799	12.433	ng	99
70) Phenanthrene	11.27	178	134683	6.278	ng	98
73) Di-n-butylphthalate	11.82	149	292513	12.295	ng	98
74) Fluoranthene	12.46	202	454803	20.310	ng	99
77) Pyrene	12.69	202	382499	23.947	ng	98
80) Benzo(a)anthracene	13.87	228	164293	14.036	ng	98
82) Chrysene	13.91	228	167780	14.410	ng	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	1318992	194.367	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.67	276	104422m	12.191	ng	
87) Benzo(b)fluoranthene	14.90	252	230991m	14.437	ng	
88) Benzo(k)fluoranthene	14.92	252	72845m	4.846	ng	
89) Benzo(a)pyrene	15.24	252	161818	11.424	ng	99
90) Dibenzo(a,h)anthracene	16.68	278	26960	2.338	ng	95
91) Benzo(a,h,i)perylene	17.08	276	85805	7.131	ng	# 93

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

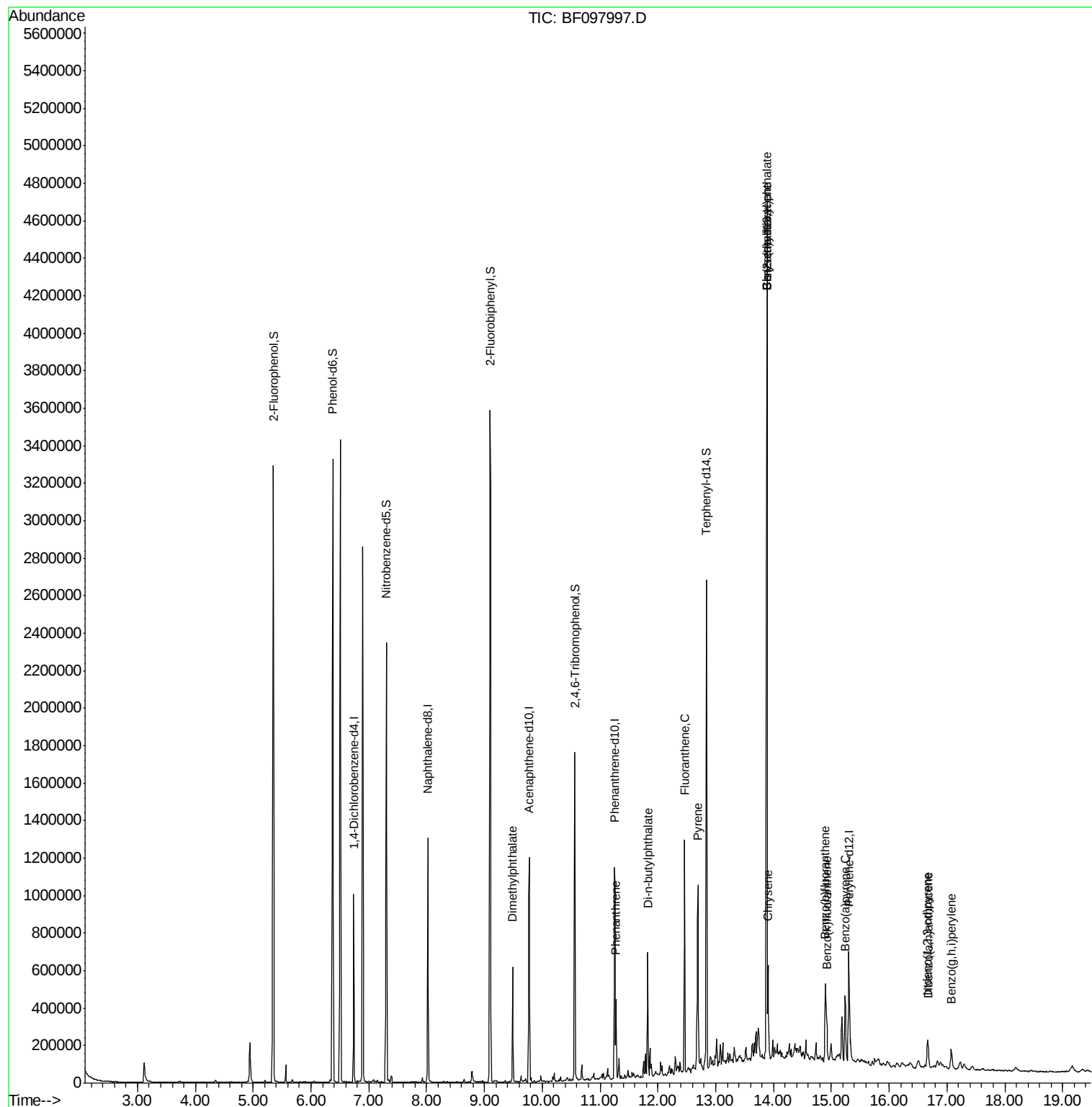
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082317\
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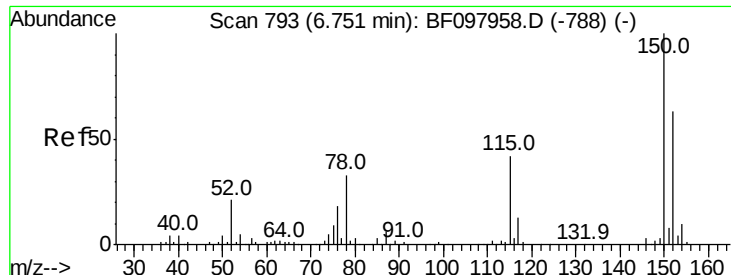
Instrument :
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#1

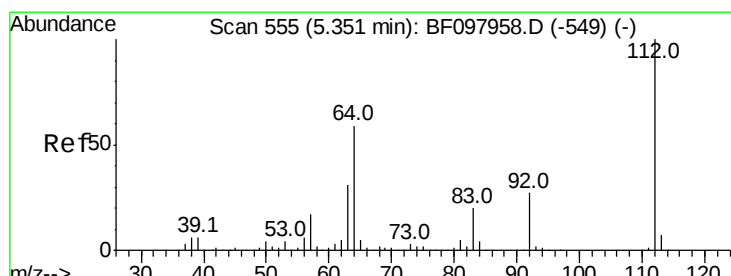
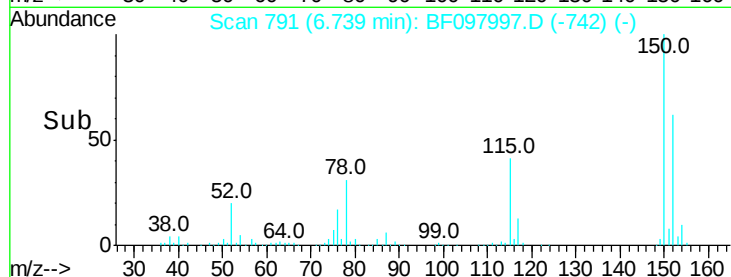
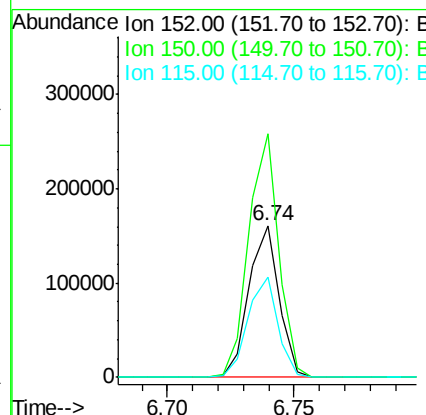
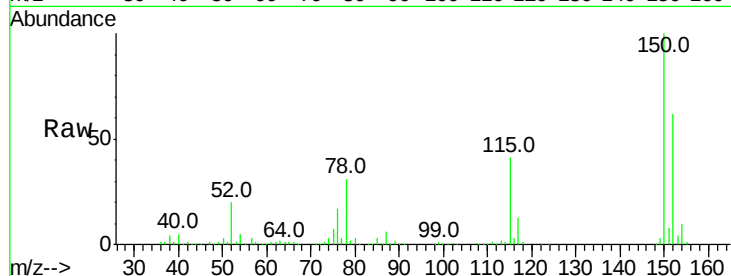
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF097997.D
Acq: 23 Aug 2017 14:48

Instrument :
BNA_F
ClientSampleId :
TEC-BE2-1-3-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	126.2	189.2
115	65.8	52.2	78.2

Manual Integrations
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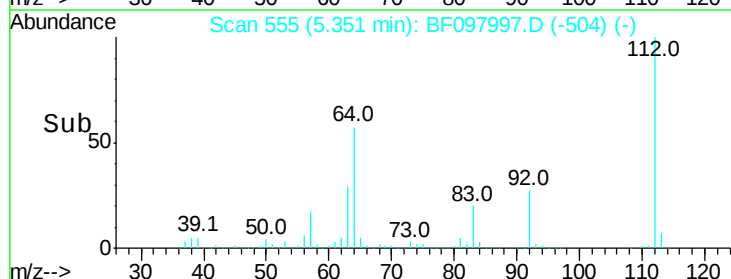
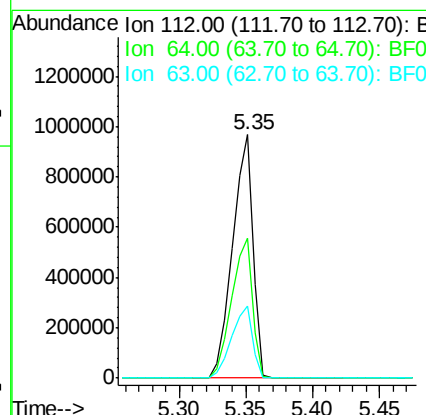
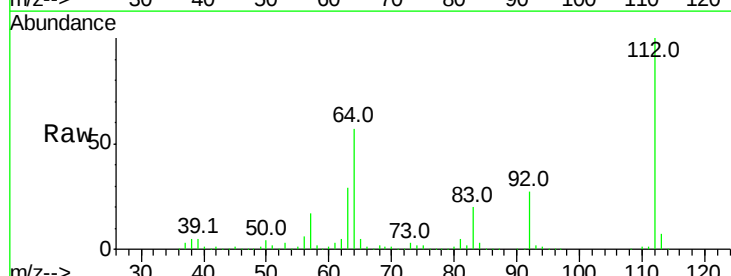
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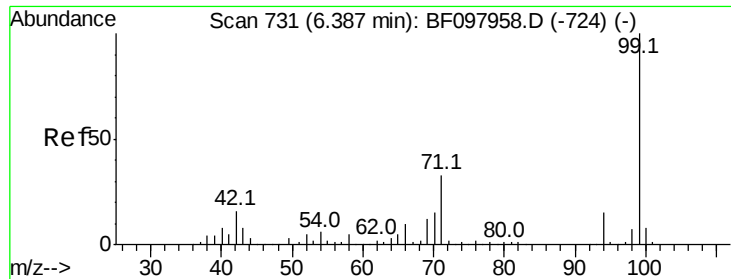


#5

2-Fluorophenol
Concen: 119.930 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF097997.D
Acq: 23 Aug 2017 14:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	46.0	69.0
63	29.5	23.4	35.0





#7

Phenol-d6

Concen: 121.418 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097997.D

Acq: 23 Aug 2017 14:48

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-1-3-COMP

Tot Ion: 99 Resp: 1447258

Ion Ratio Lower Upper

99 100

42 15.1 13.5 20.3

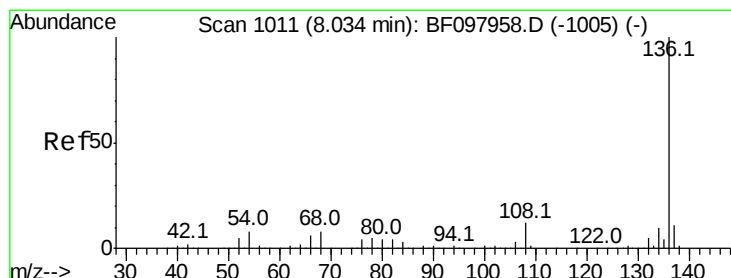
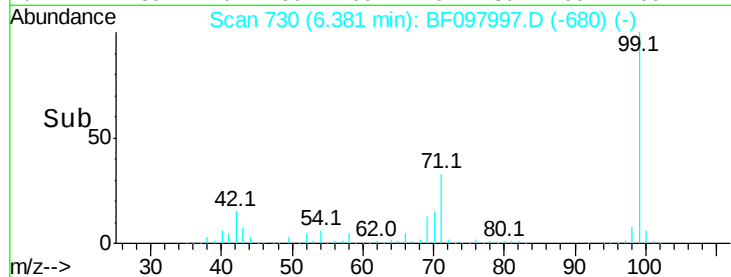
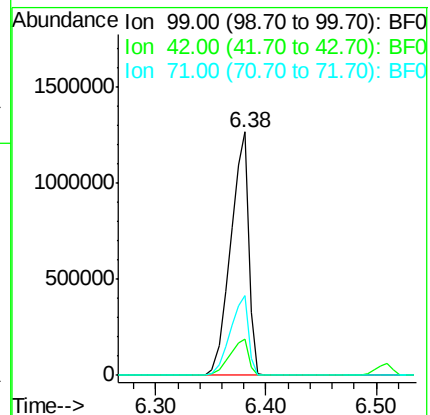
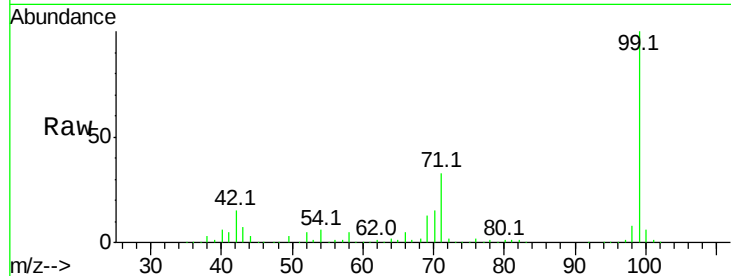
71 32.9 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF097997.D

Acq: 23 Aug 2017 14:48

Tgt Ion: 136 Resp: 513686

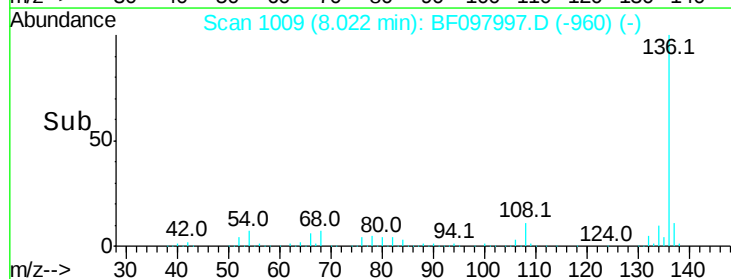
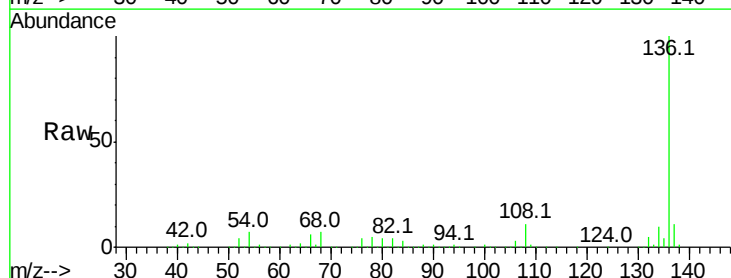
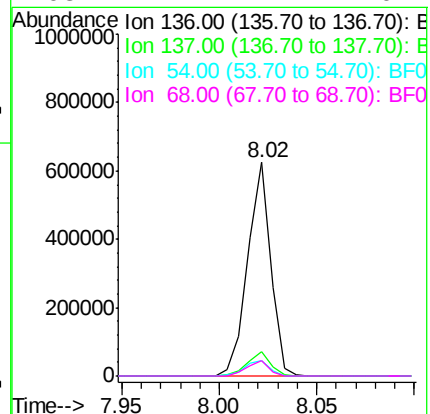
Ion Ratio Lower Upper

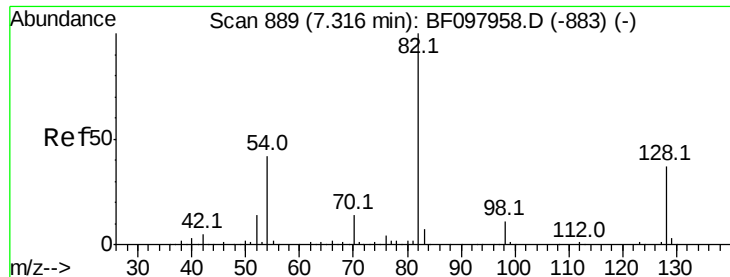
136 100

137 11.4 8.5 12.7

54 7.4 4.9 7.3#

68 7.1 4.1 6.1#





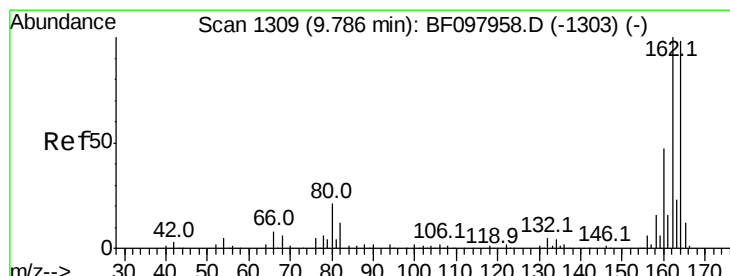
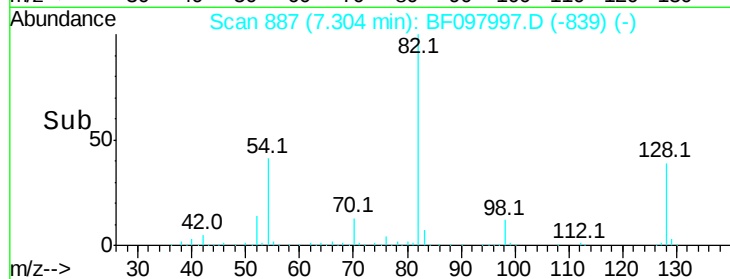
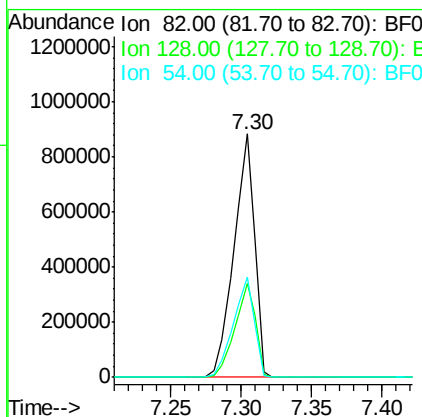
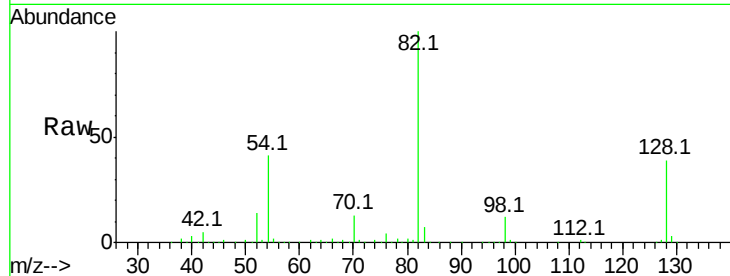
#23
 Nitrobenzene-d5
 Concen: 94.959 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF097997.D
 Acq: 23 Aug 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :
 TEC-BE2-1-3-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.7	34.0	51.0
54	41.0	42.2	63.2#

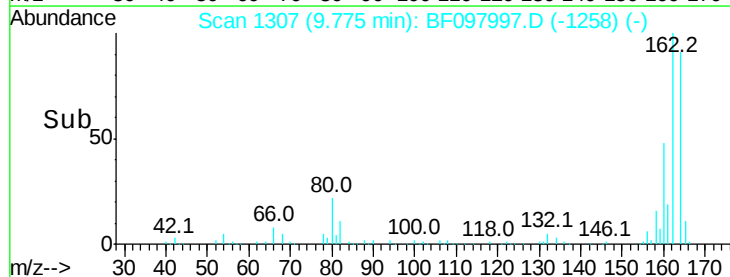
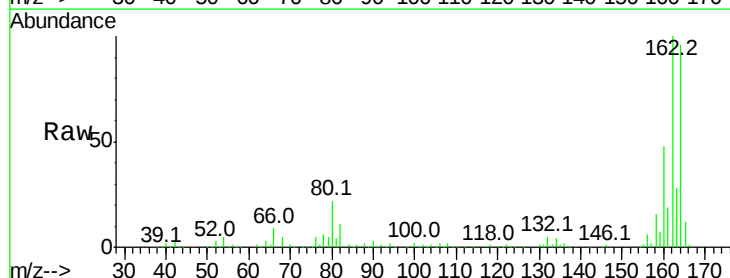
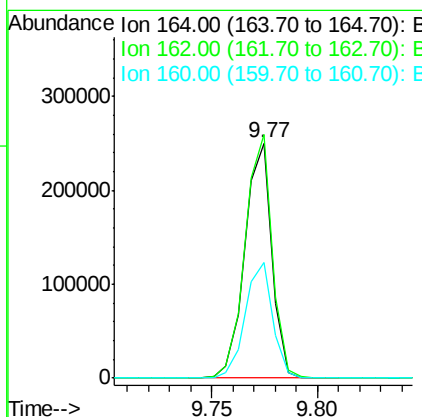
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF097997.D
 Acq: 23 Aug 2017 14:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.6	123.8
160	49.4	36.2	54.2





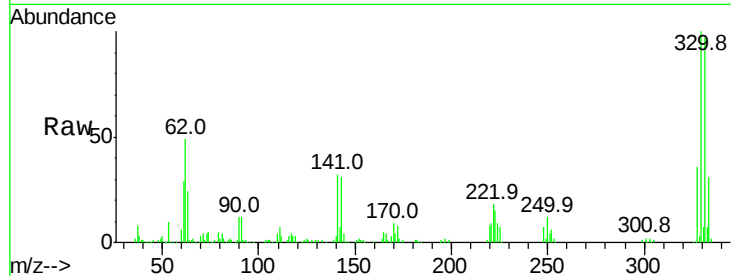
#41
 2,4,6-Tribromophenol
 Concen: 106.172 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF097997.D
 Acq: 23 Aug 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :
 TEC-BE2-1-3-COMP

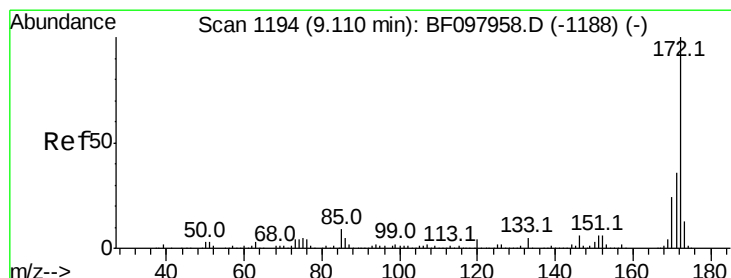
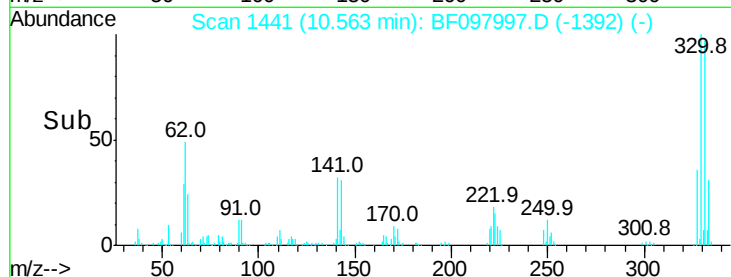
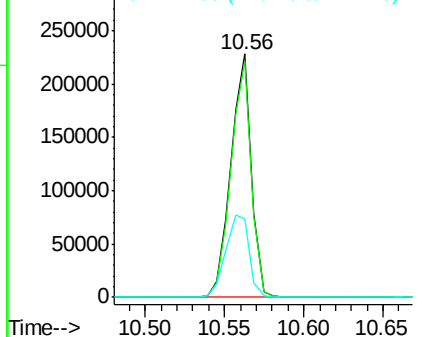
Tot Ion	Ratio	Resp	Lower	Upper
330	100	204560		
332	96.9	76.6	115.0	
141	39.2	31.4	47.2	

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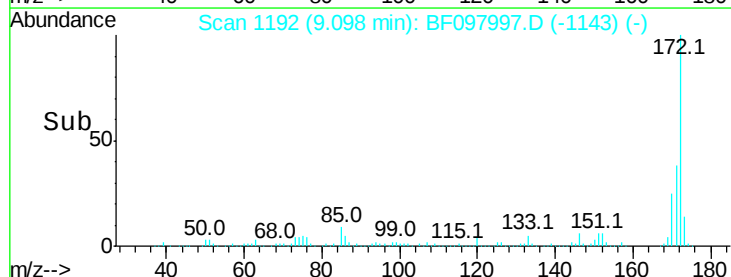
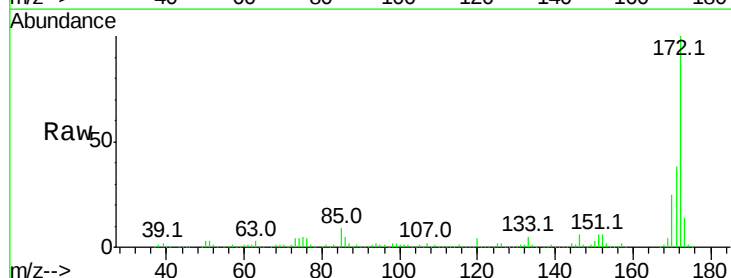
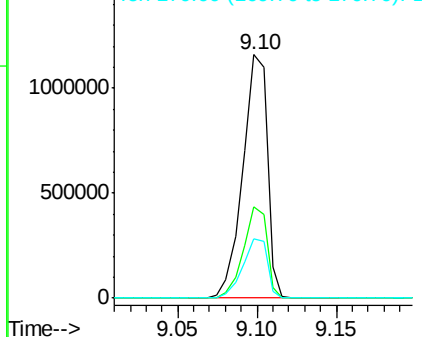
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

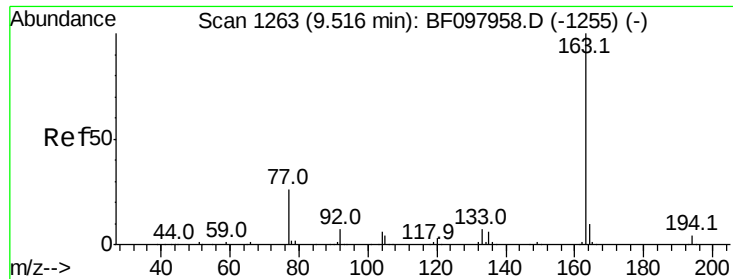


#44
 2-Fluorobiphenyl
 Concen: 82.058 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF097997.D
 Acq: 23 Aug 2017 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1240222		
171	37.5	29.6	44.4	
170	24.6	19.8	29.8	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





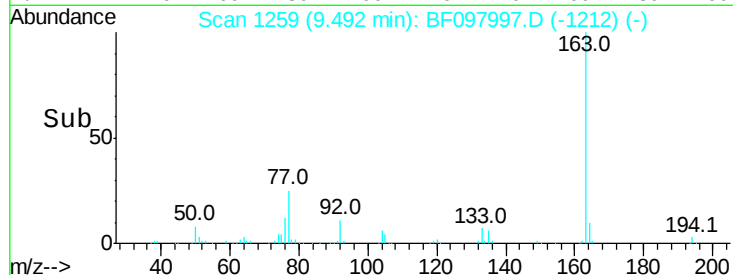
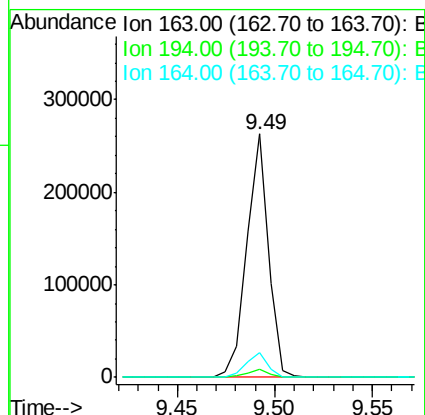
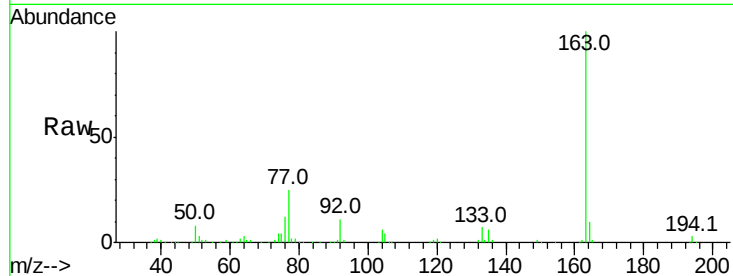
#49
Dimethylphthalate
Concen: 12.433 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF097997.D
Acq: 23 Aug 2017 14:48

Instrument :
BNA_F
ClientSampleId :
TEC-BE2-1-3-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	201799		
194	3.4		2.6	4.0
164	10.0		8.4	12.6

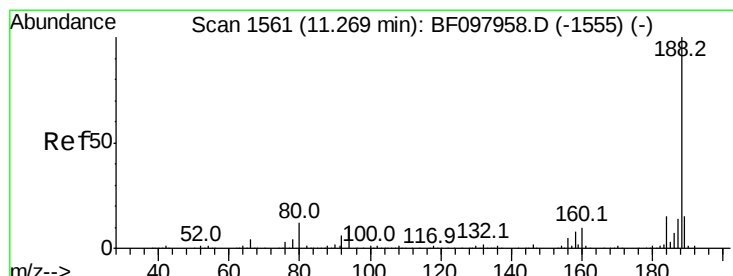
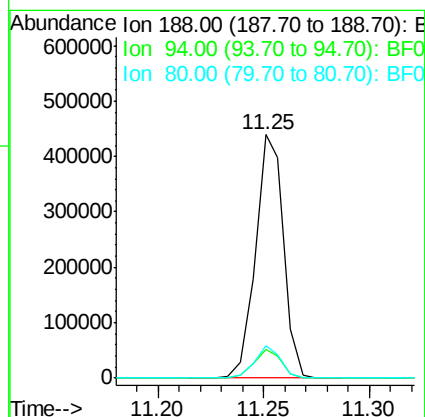
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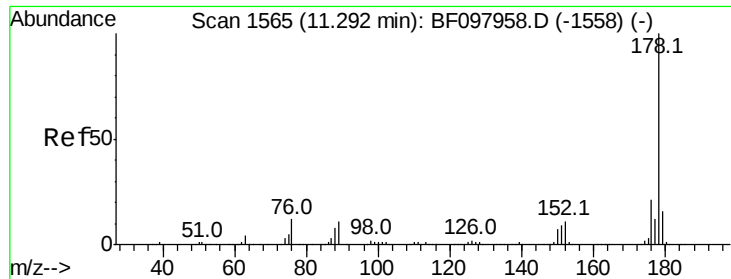
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF097997.D
Acq: 23 Aug 2017 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	402619		
94	11.7		9.4	14.2
80	13.1		10.2	15.2





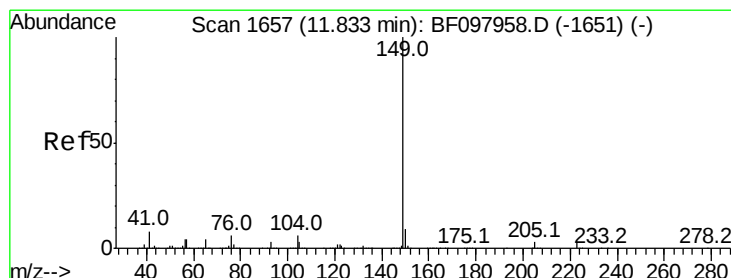
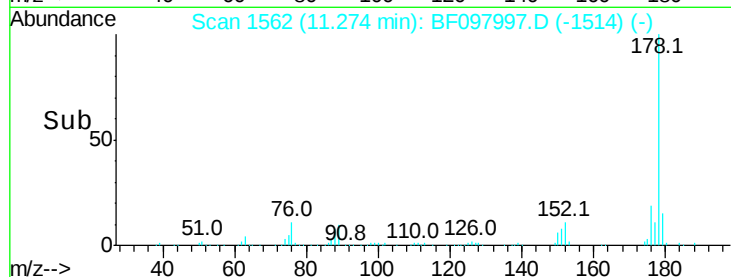
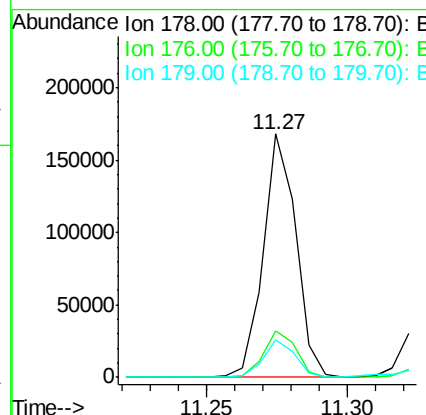
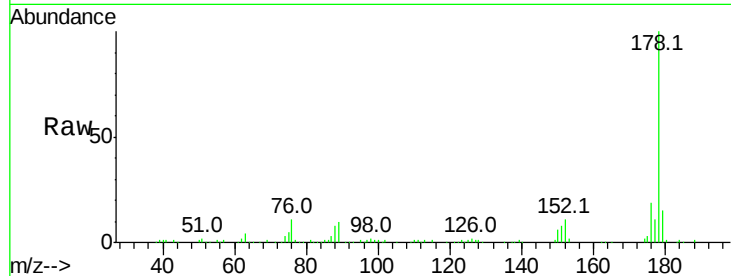
#70
Phenanthrene
Concen: 6.278 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF097997.D
Acq: 23 Aug 2017 14:48

Instrument :
BNA_F
ClientSampleId :
TEC-BE2-1-3-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.4	12.6	19.0

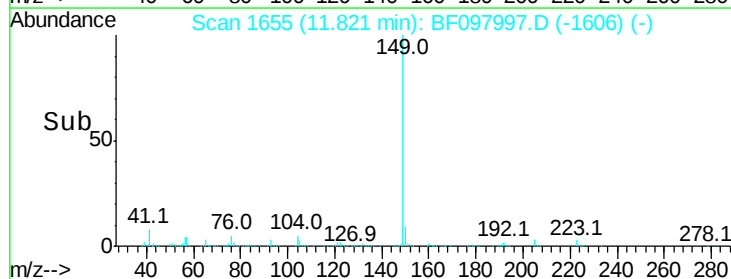
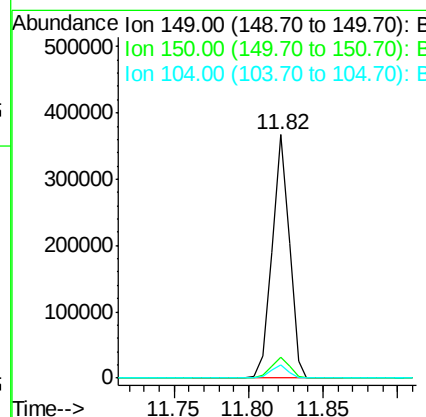
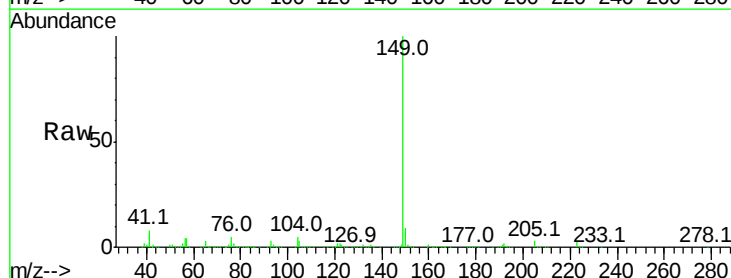
Manual Integrations
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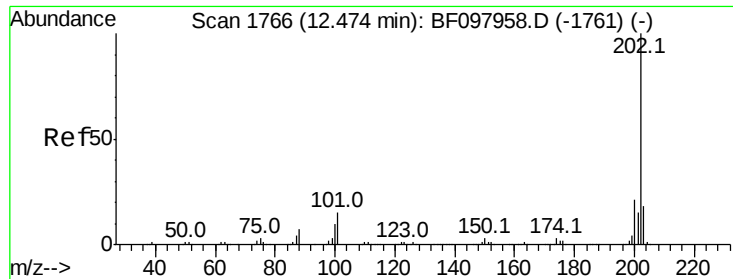
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#73
Di-n-butylphthalate
Concen: 12.295 ng
RT: 11.82 min Scan# 1655
Delta R.T. -0.01 min
Lab File: BF097997.D
Acq: 23 Aug 2017 14:48

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.7	11.5
104	5.2	4.0	6.0





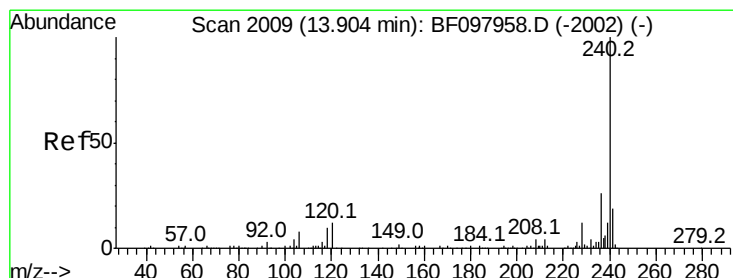
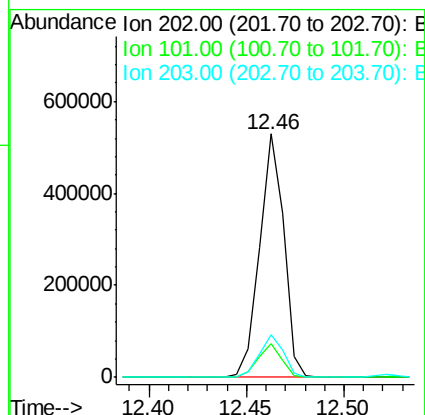
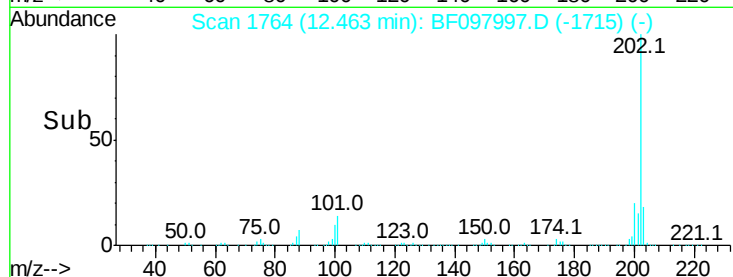
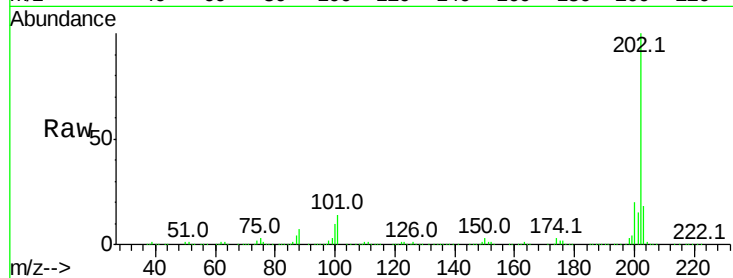
#74
 Fluoranthene
 Concen: 20.310 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF097997.D
 Acq: 23 Aug 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :
 TEC-BE2-1-3-COMP

Tot Ion:	202	Resp:	454803
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	33.2
203	17.7	0.0	38.1

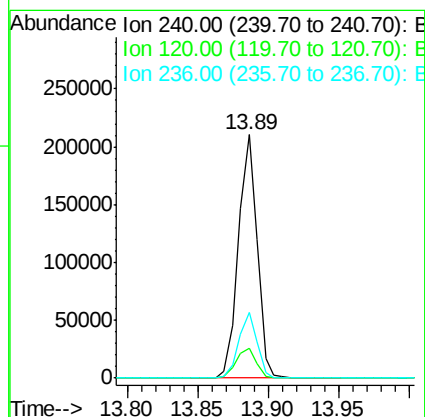
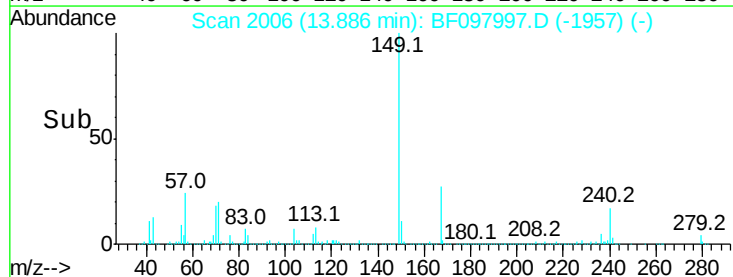
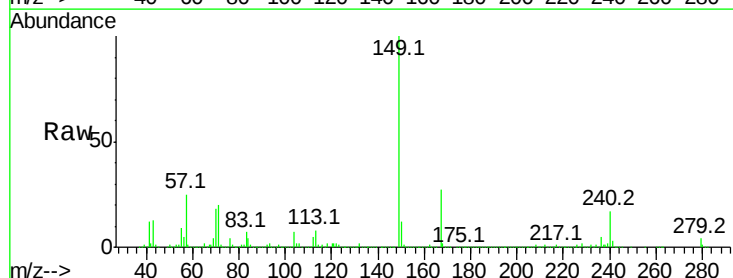
Manual Integrations
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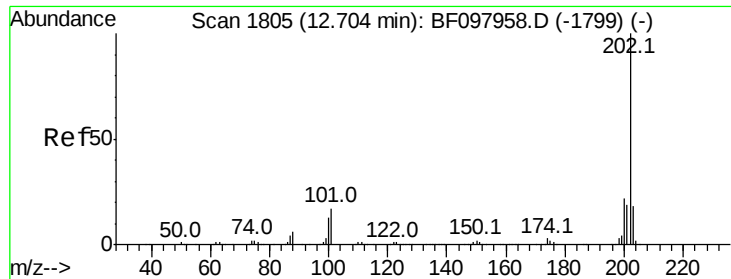
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF097997.D
 Acq: 23 Aug 2017 14:48

Tgt Ion:	240	Resp:	195294
Ion Ratio	Lower	Upper	
240	100		
120	12.0	5.8	8.8#
236	26.8	20.5	30.7





#77

Pvrene

Concen: 23.947 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF097997.D

Acq: 23 Aug 2017 14:48

Instrument :

BNA_F

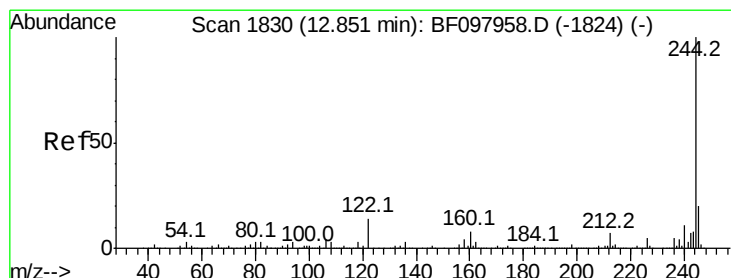
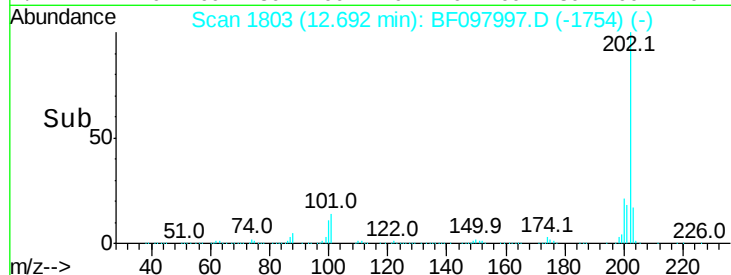
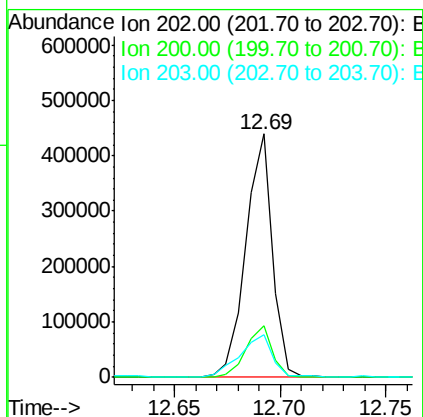
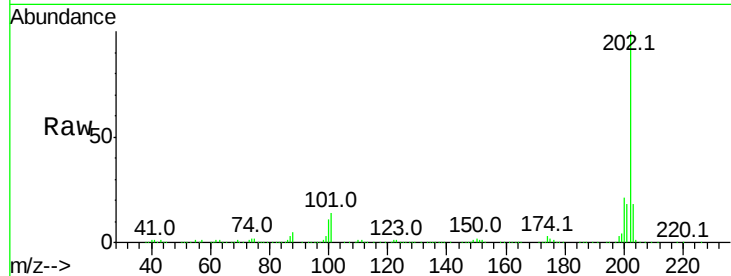
ClientSampleId :

TEC-BE2-1-3-COMP

Tot Ion:	202	Resp:	382499
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.6	26.4
203	17.6	14.4	21.6

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#78

Terphenyl-d14

Concen: 92.776 ng

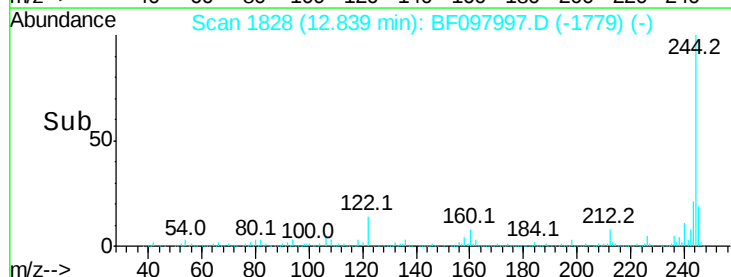
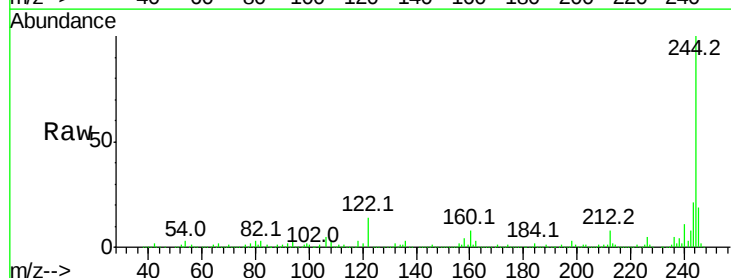
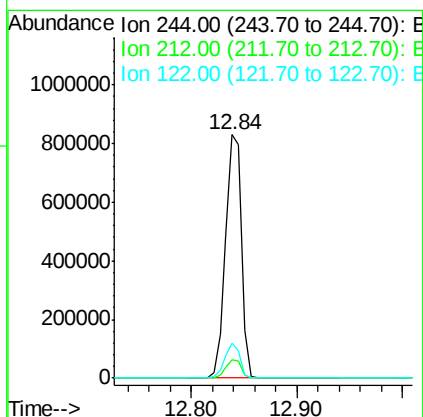
RT: 12.84 min Scan# 1828

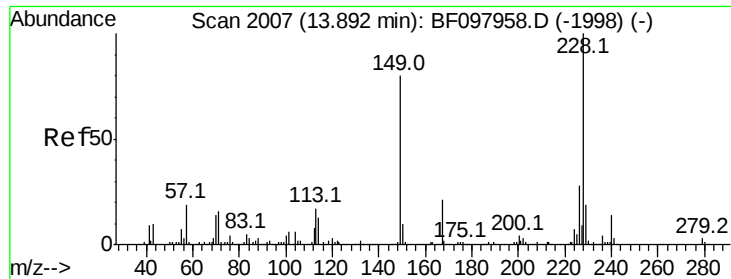
Delta R.T. -0.01 min

Lab File: BF097997.D

Acq: 23 Aug 2017 14:48

Tgt Ion:	244	Resp:	868862
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.0	9.0
122	14.2	10.3	15.5





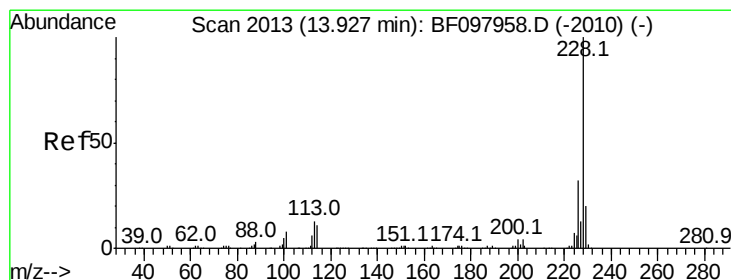
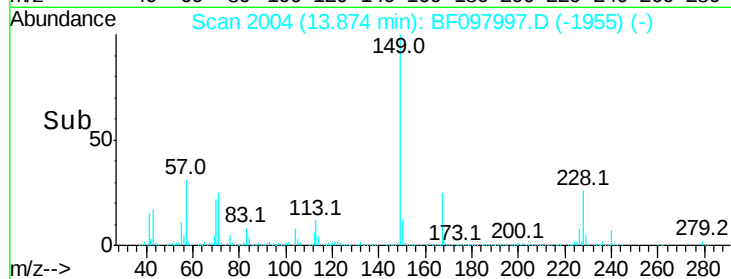
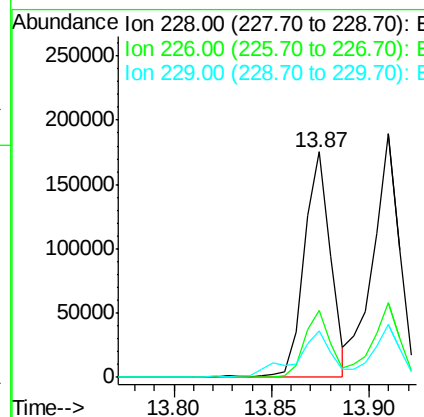
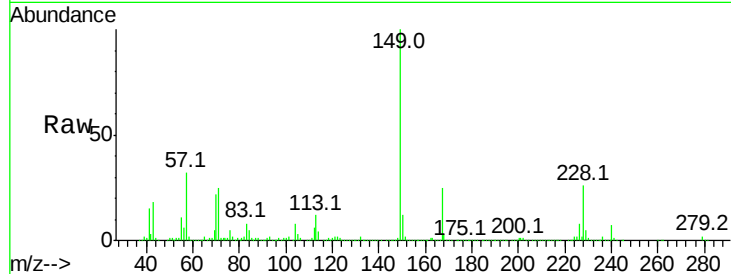
#80
Benzo(a)anthracene
Concen: 14.036 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF097997.D
Acq: 23 Aug 2017 14:48

Instrument :
BNA_F
ClientSampleId :
TEC-BE2-1-3-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	20.7	16.3	24.5

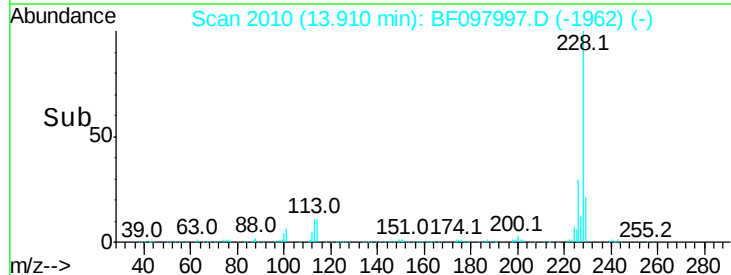
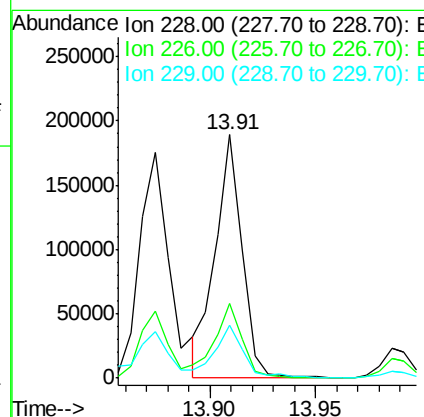
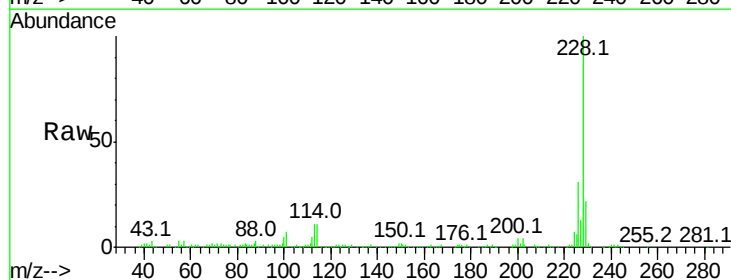
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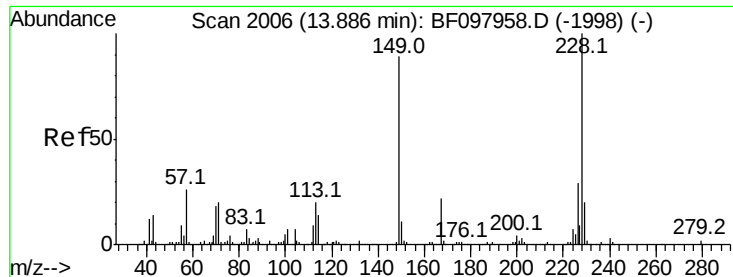
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#82
Chrysene
Concen: 14.410 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF097997.D
Acq: 23 Aug 2017 14:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	21.8	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 194.367 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF097997.D

Acq: 23 Aug 2017 14:48

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-1-3-COMP

Tot Ion:149 Resp: 1318992

Ion Ratio Lower Upper

149 100

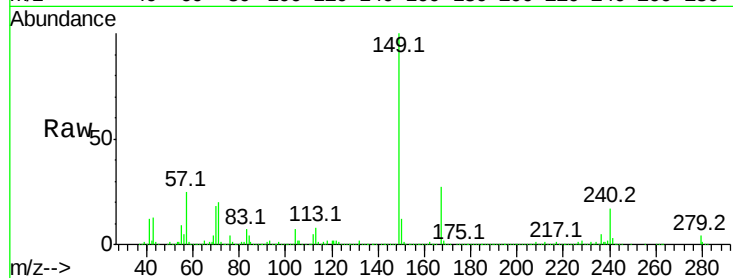
167 26.7 21.0 31.4

279 3.9 1.9 2.9#

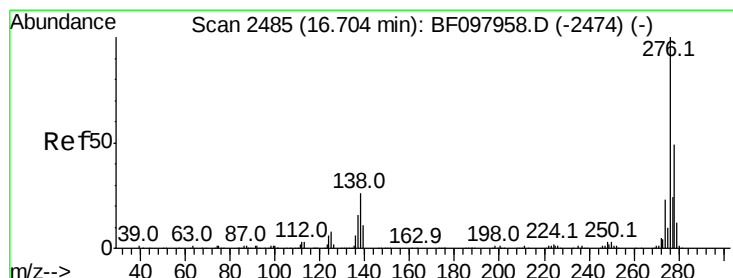
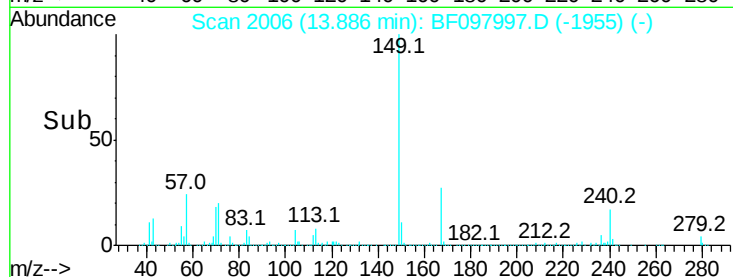
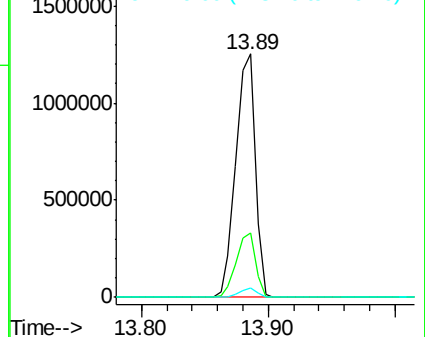
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 12.191 ng m

RT: 16.67 min Scan# 2479

Delta R.T. -0.02 min

Lab File: BF097997.D

Acq: 23 Aug 2017 14:48

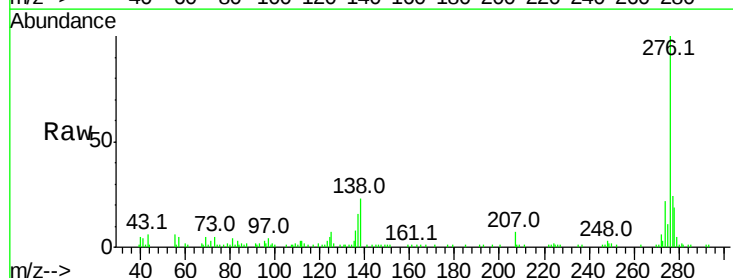
Tgt Ion:276 Resp: 104422

Ion Ratio Lower Upper

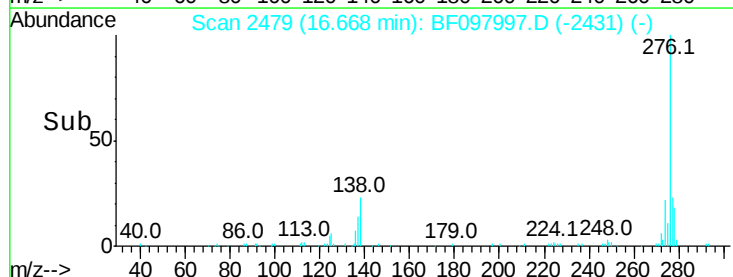
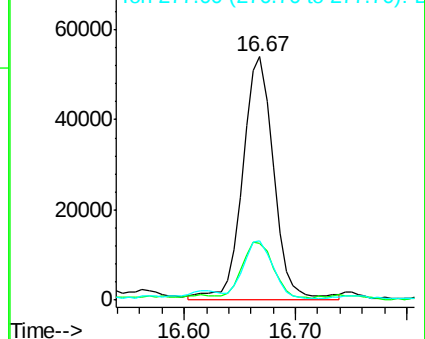
276 100

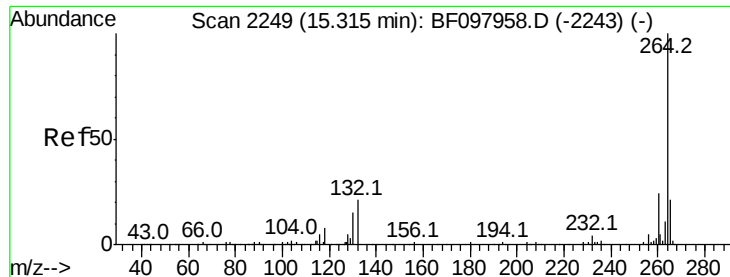
138 5.8 27.8 41.6#

277 4.8 20.2 30.4#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





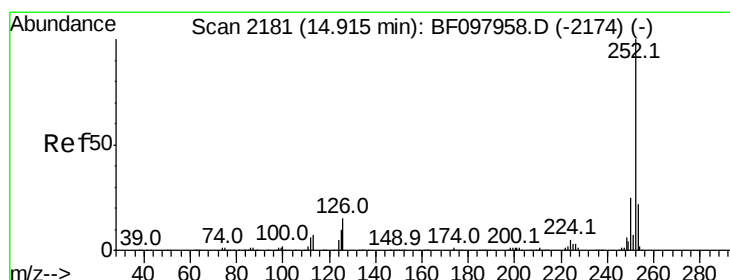
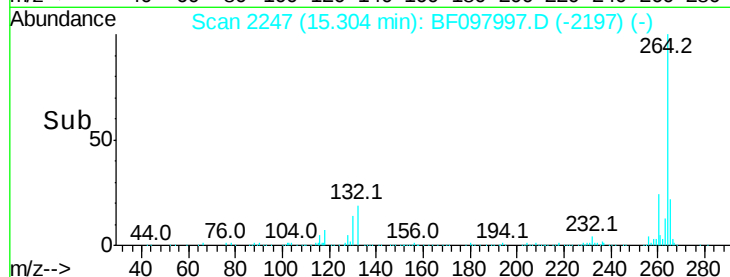
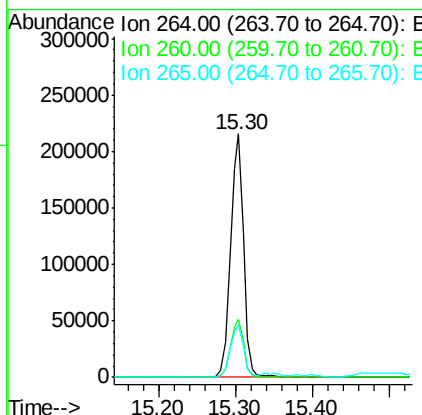
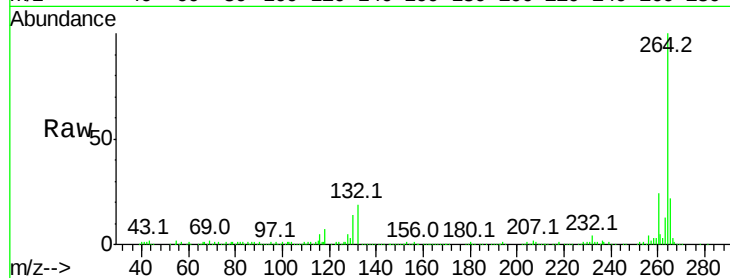
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF097997.D
Acq: 23 Aug 2017 14:48

Instrument :
BNA_F
ClientSampleId :
TEC-BE2-1-3-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.8	17.2	25.8

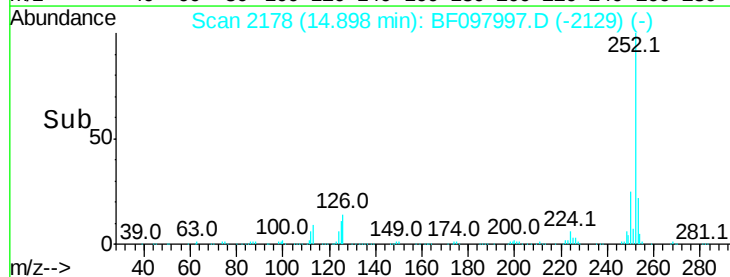
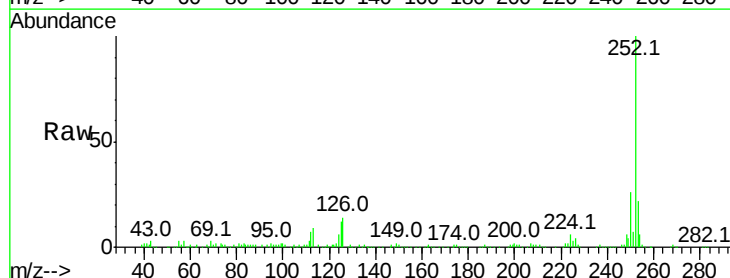
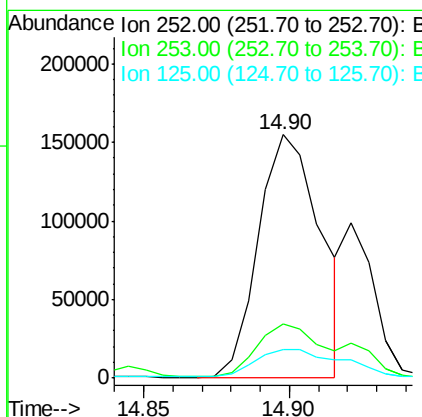
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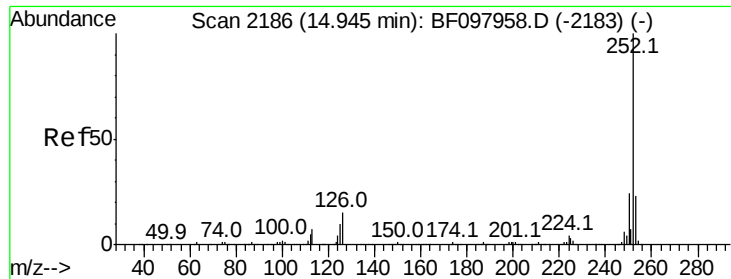
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#87
Benzo(b)fluoranthene
Concen: 14.437 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF097997.D
Acq: 23 Aug 2017 14:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	12.0	9.8	14.8





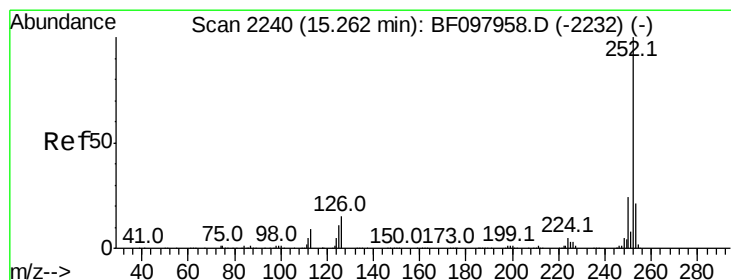
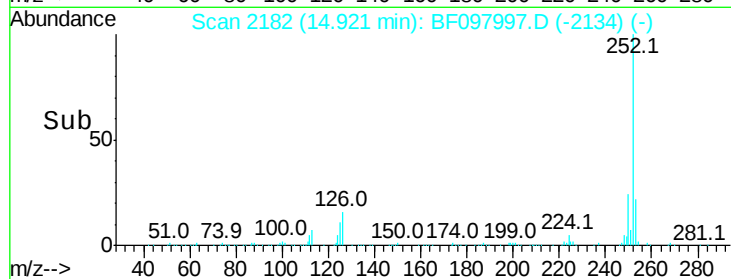
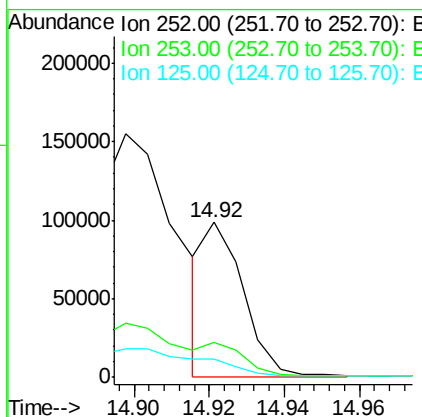
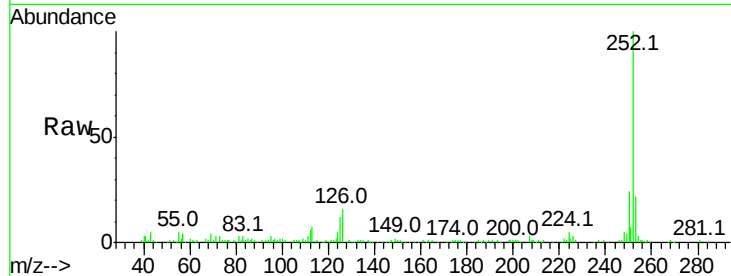
#88
Benzo(k)fluoranthene
Concen: 4.846 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF097997.D
Acq: 23 Aug 2017 14:48

Instrument :
BNA_F
ClientSampleId :
TEC-BE2-1-3-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	11.9	13.1	19.7

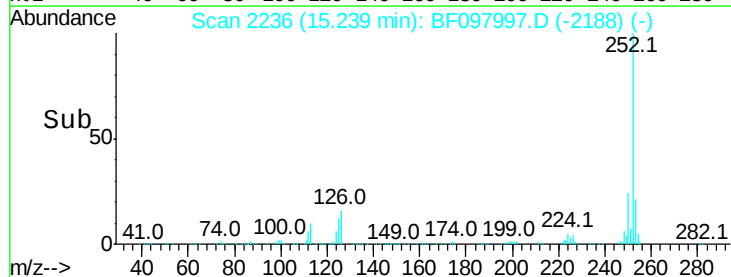
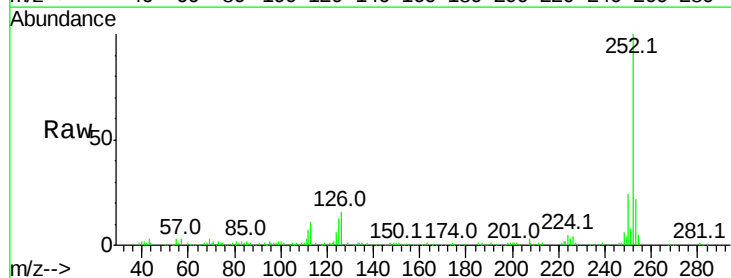
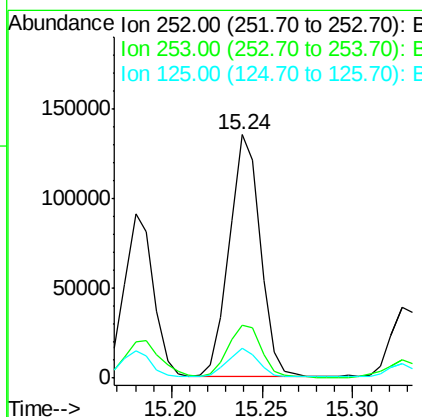
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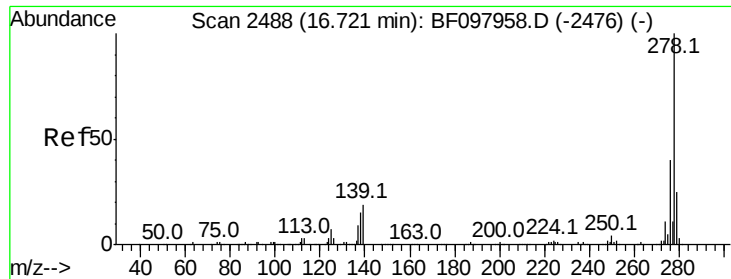
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#89
Benzo(a)pyrene
Concen: 11.424 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF097997.D
Acq: 23 Aug 2017 14:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	12.5	11.0	16.4





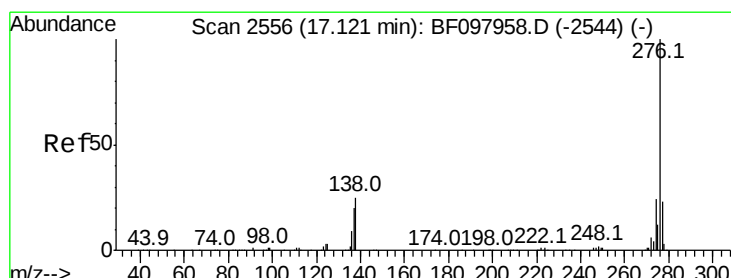
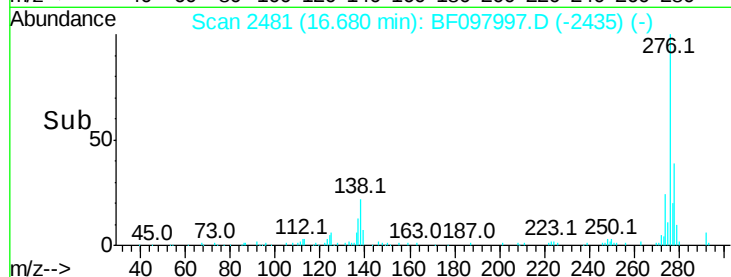
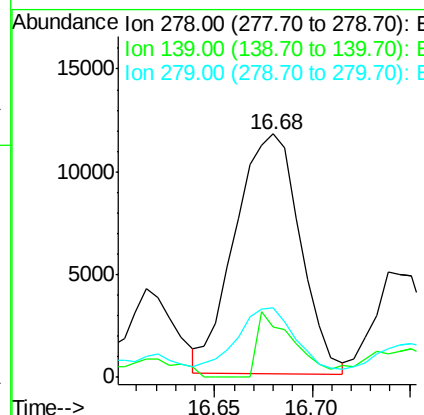
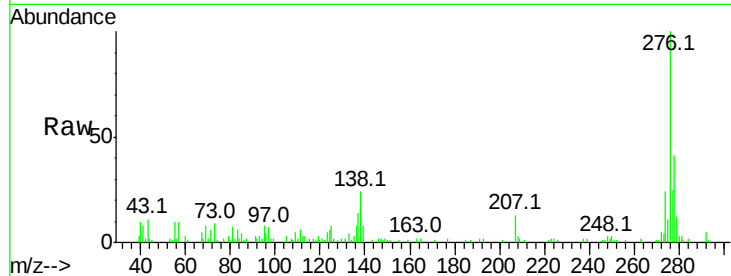
#90
Dibenzo(a,h)anthracene
Concen: 2.338 ng
RT: 16.68 min Scan# 2481
Delta R.T. -0.03 min
Lab File: BF097997.D
Acq: 23 Aug 2017 14:48

Instrument :
BNA_F
ClientSampleId :
TEC-BE2-1-3-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.8	16.6	24.8
279	28.7	19.3	28.9

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.131 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.03 min
Lab File: BF097997.D
Acq: 23 Aug 2017 14:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	24.9	25.4	38.0#

