

Data Path : U:\HPCHEM1\BNA F\DATA\BF082217\
 Data File : BF097988.D
 Acq On : 23 Aug 2017 7:57
 Operator : SJ/JU
 Sample : I4913-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 8/23/2017 3:04:12 PM

Quant Time: Aug 23 08:23:47 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	136225	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	501352	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	191588	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	301544	20.00	ng	0.00
75) Chrysene-d12	13.90	240	198483	20.00	ng	0.00
86) Perylene-d12	15.32	264	201570	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1022502	114.17	ng	0.01
7) Phenol-d6	6.39	99	1348480	110.82	ng	0.00
23) Nitrobenzene-d5	7.32	82	828565	89.78	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	174832	105.17	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	1193098	91.49	ng	0.00
78) Terphenyl-d14	12.86	244	795682	83.60	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.50	163	193995	13.852	ng	98
70) Phenanthrene	11.29	178	99502	6.192	ng	99
73) Di-n-butylphthalate	11.83	149	261648	14.683	ng	99
74) Fluoranthene	12.47	202	386702	23.057	ng	98
77) Pyrene	12.70	202	341229	21.020	ng	98
80) Benzo(a)anthracene	13.89	228	170765	14.355	ng	99
82) Chrysene	13.93	228	192687	16.283	ng	99
83) Bis(2-ethylhexyl)phthalate	13.90	149	1561693	226.434	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.70	276	62700	7.203	ng	# 90
87) Benzo(b)fluoranthene	14.92	252	208370m	16.400	ng	
88) Benzo(k)fluoranthene	14.94	252	68281m	5.720	ng	
89) Benzo(a)pyrene	15.26	252	130194	11.575	ng	98
91) Benzo(a,h,i)perylene	17.11	276	54377	5.691	ng	95

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

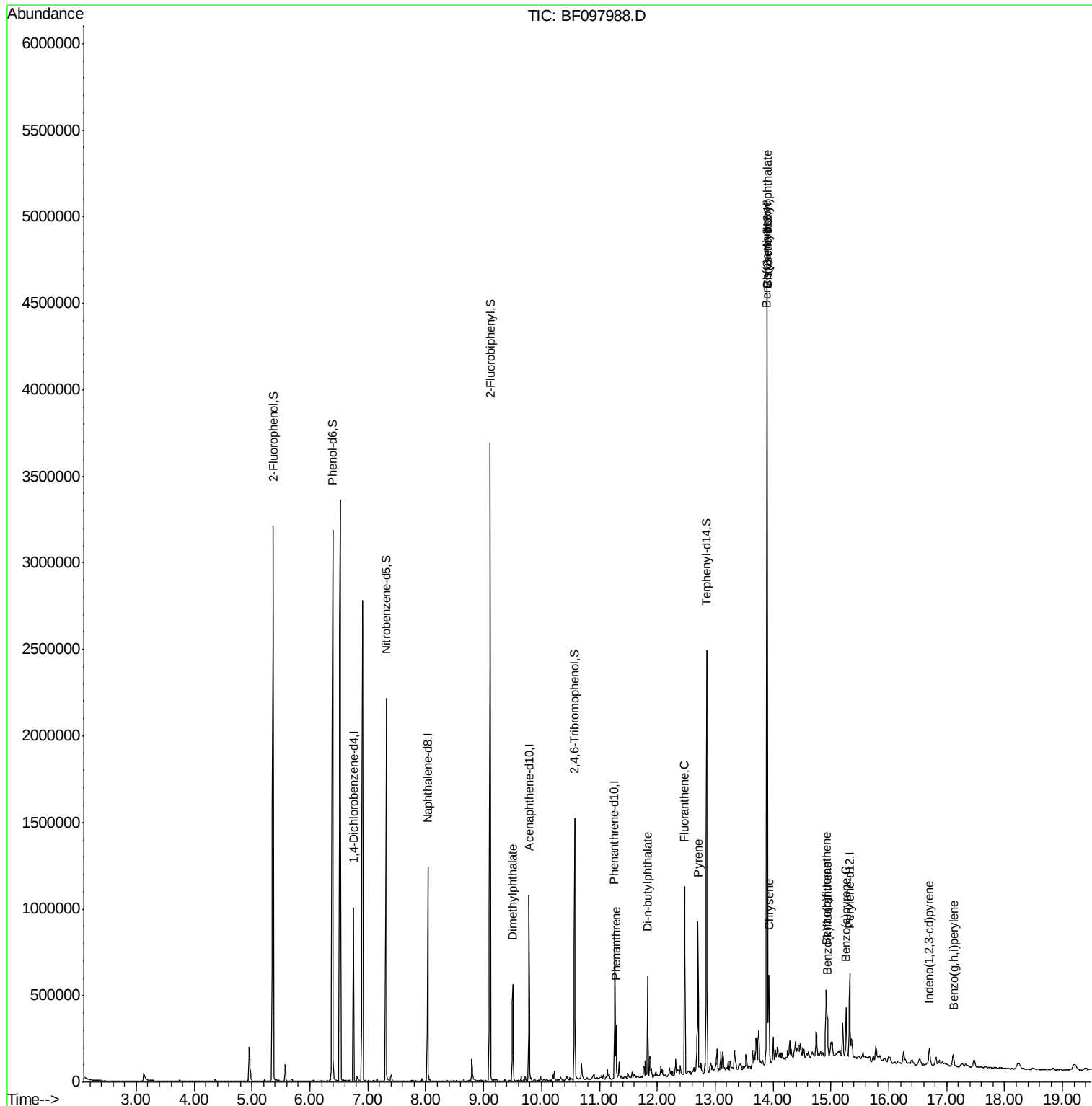
Data Path : U:\HPCHEM1\BNA F\DATA\BF082217\
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Sample : I4913-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

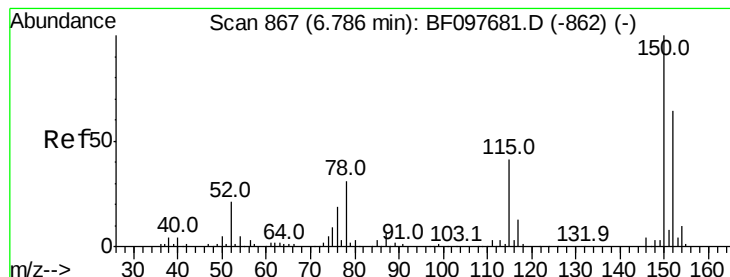
Instrument :
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TEC-BE2-1-3-COMP

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#1

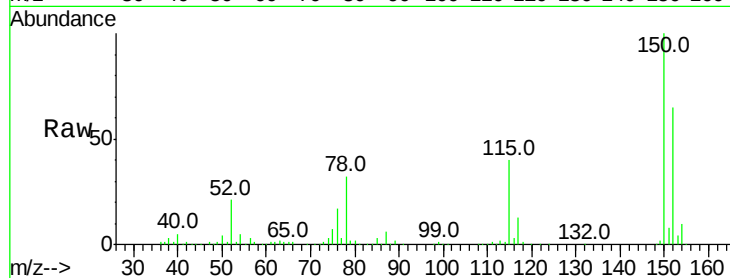
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

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

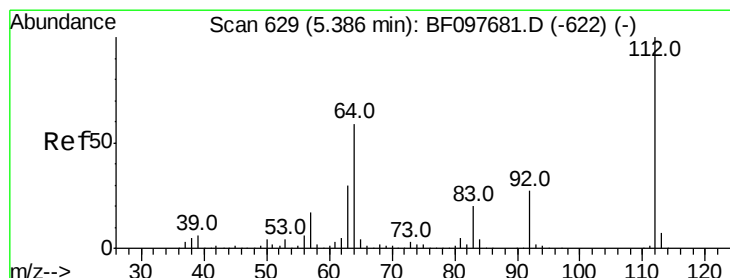
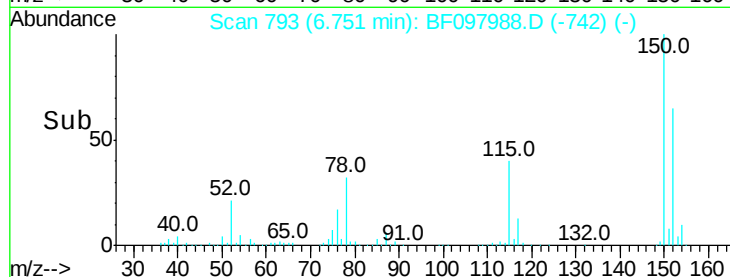
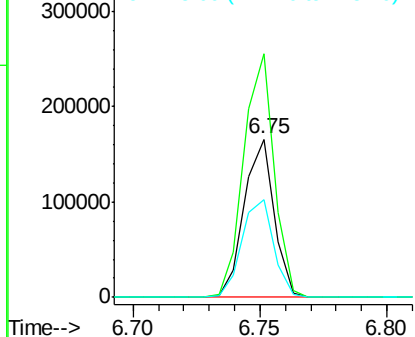
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.2	189.2
115	62.2	52.2	78.2

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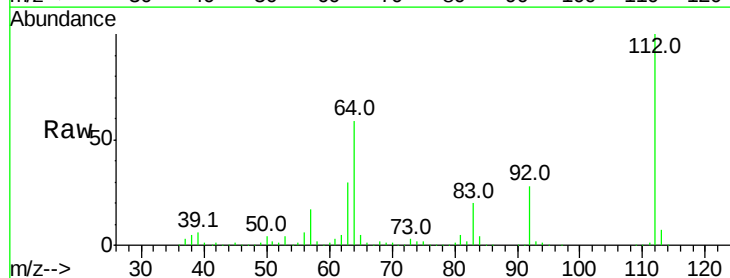
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



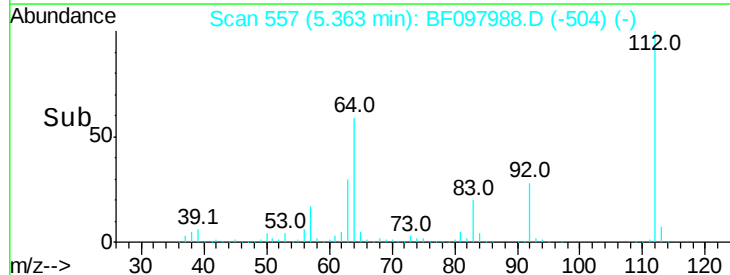
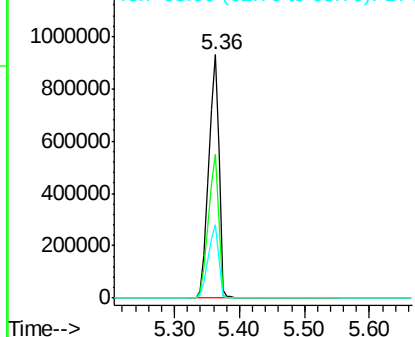
#5

2-Fluorophenol
Concen: 114.172 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	46.0	69.0
63	30.4	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.818 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-1-3-COMP

Tot Ion: 99 Resp: 1348480

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

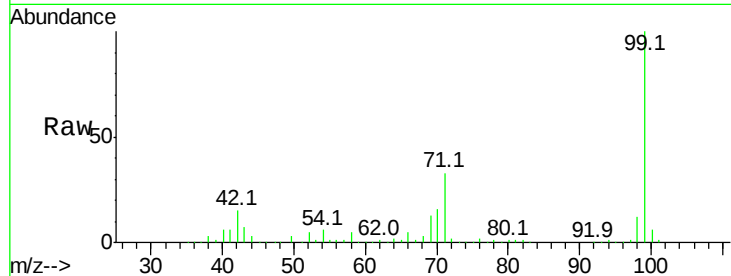
71 33.4 24.5 36.7

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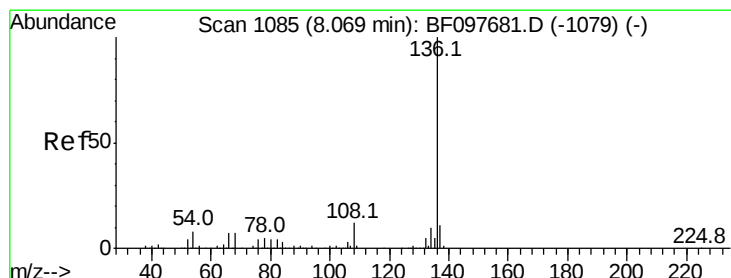
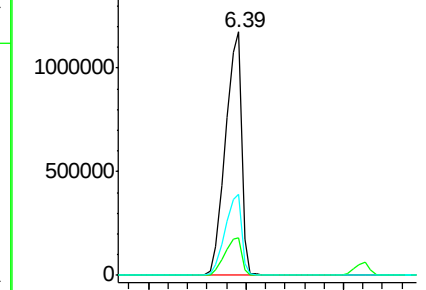
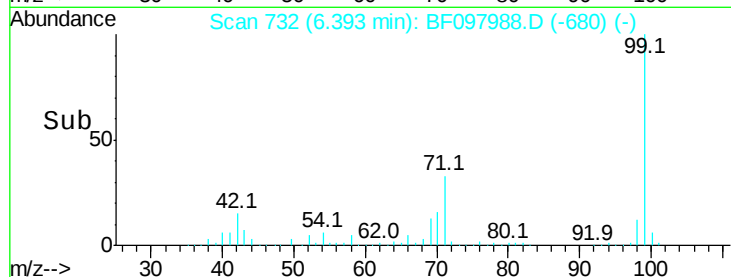
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

Tgt Ion: 136 Resp: 501352

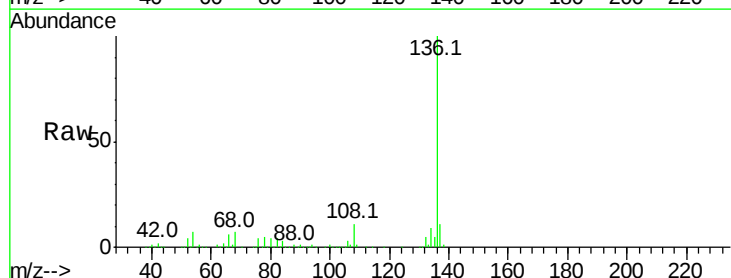
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.8 4.9 7.3

68 6.7 4.1 6.1#

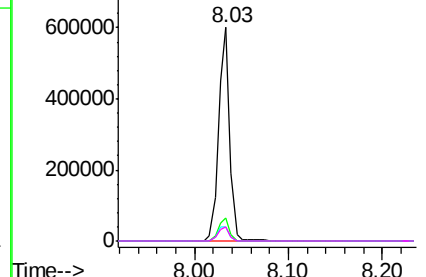
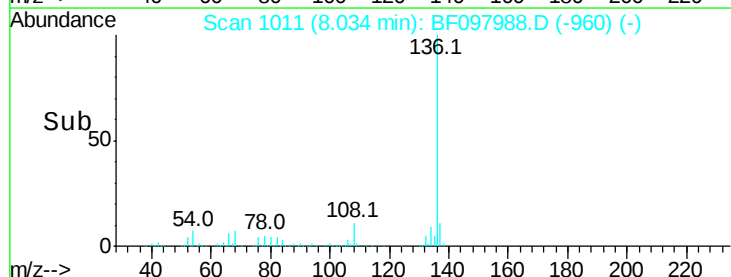


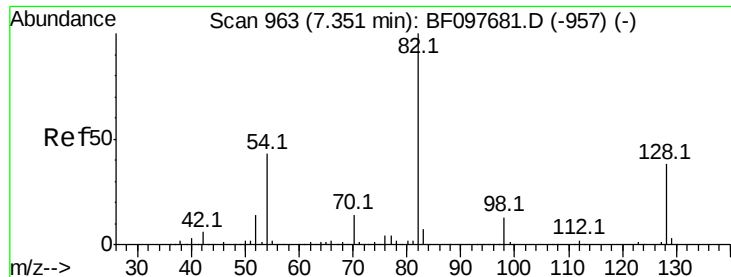
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





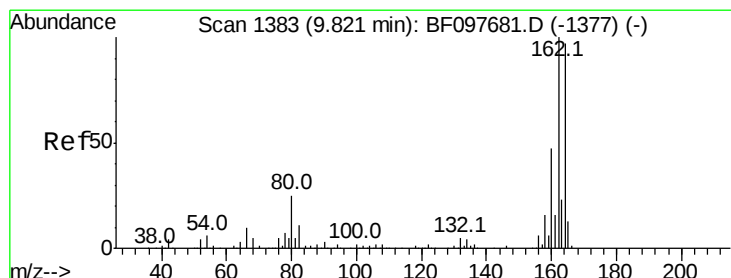
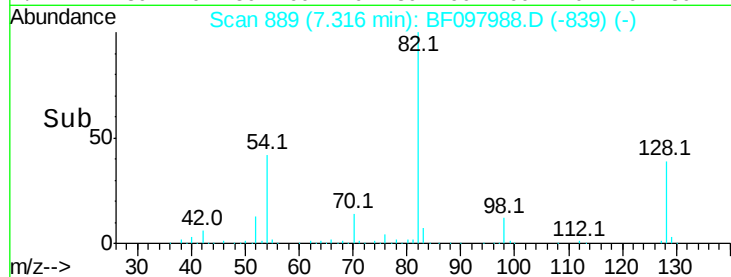
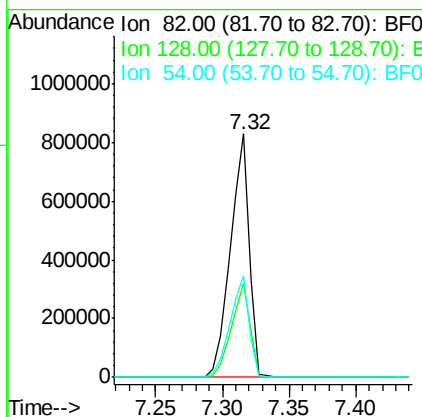
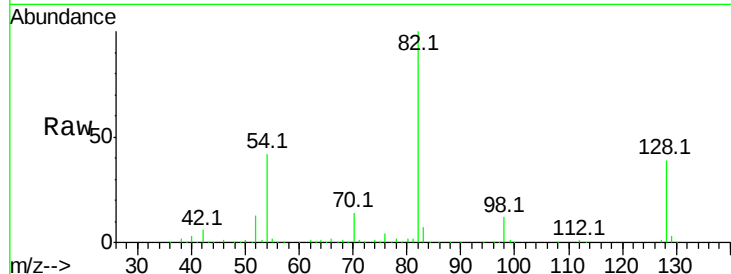
#23
 Nitrobenzene-d5
 Concen: 89.780 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF097988.D
 Acq: 23 Aug 2017 7:57

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.6	34.0	51.0	
54	41.7	42.2	63.2	

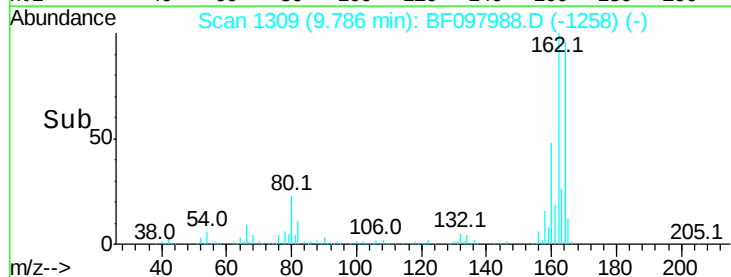
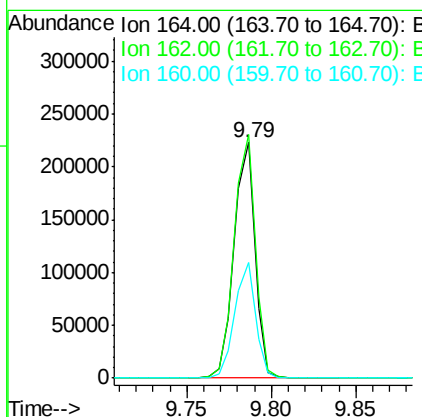
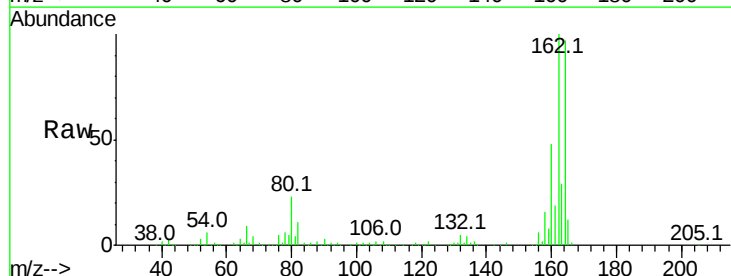
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. 0.00 min
 Lab File: BF097988.D
 Acq: 23 Aug 2017 7:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.4	82.6	123.8	
160	49.2	36.2	54.2	





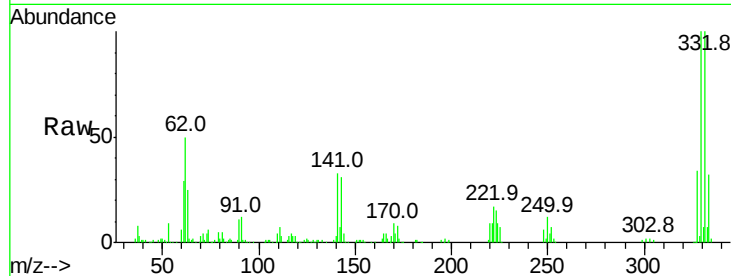
#41
 2,4,6-Tribromophenol
 Concen: 105.172 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: BF097988.D
 Acq: 23 Aug 2017 7:57

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	174832		
332	96.7	76.6	115.0	
141	40.3	31.4	47.2	

Manual Integrations
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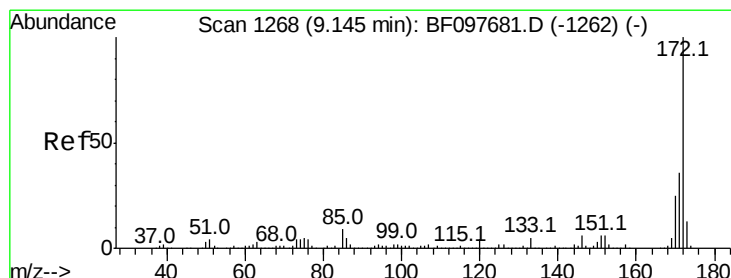
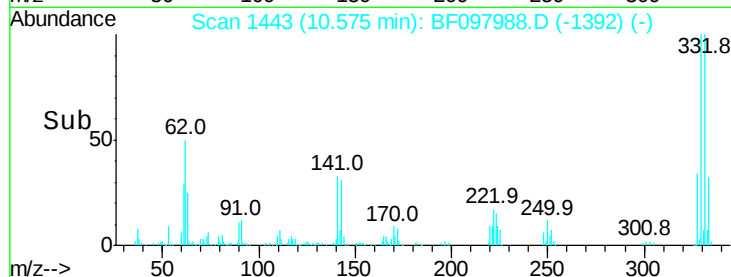
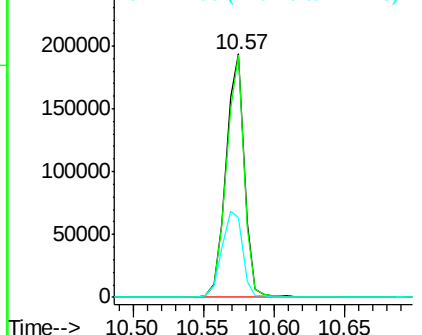


Abundance

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: 91.494 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF097988.D
 Acq: 23 Aug 2017 7:57

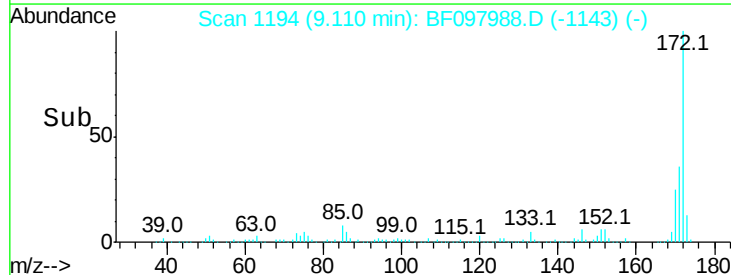
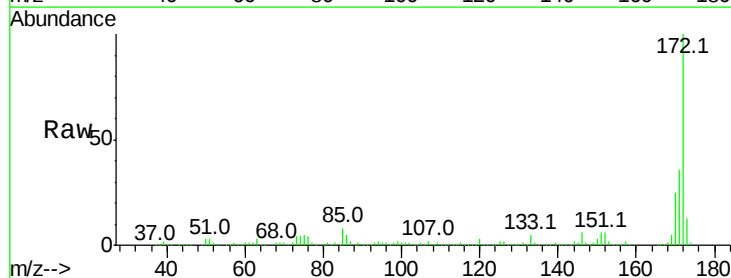
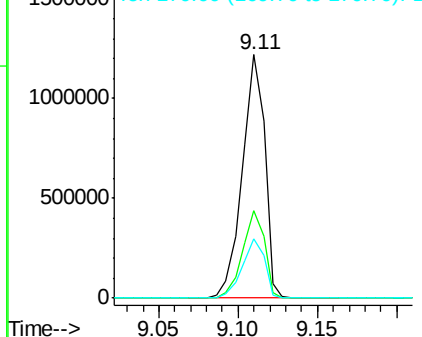
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1193098		
171	36.0	29.6	44.4	
170	24.5	19.8	29.8	

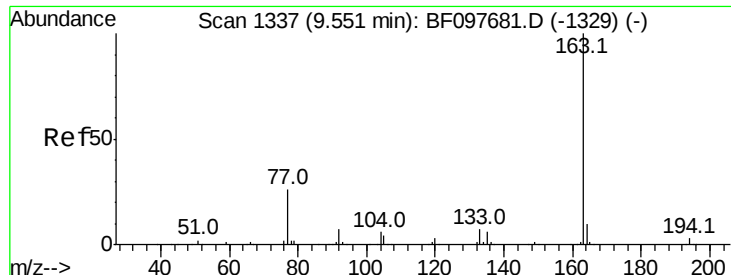
Abundance

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





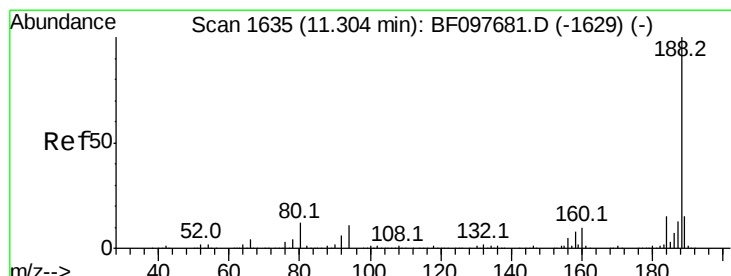
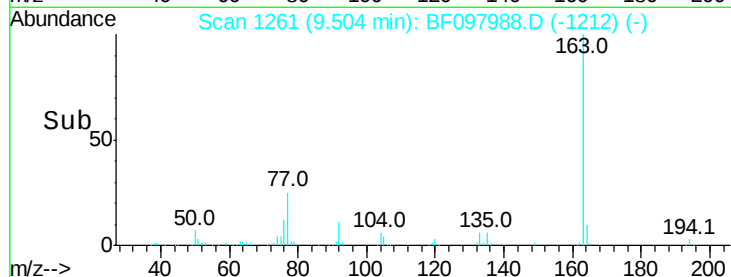
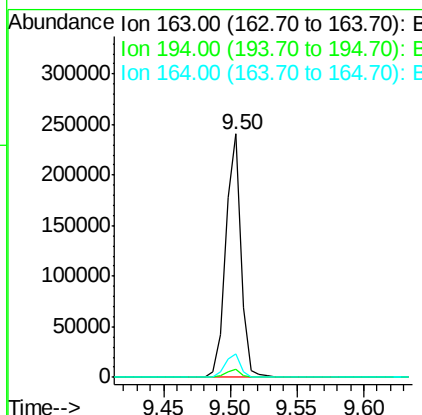
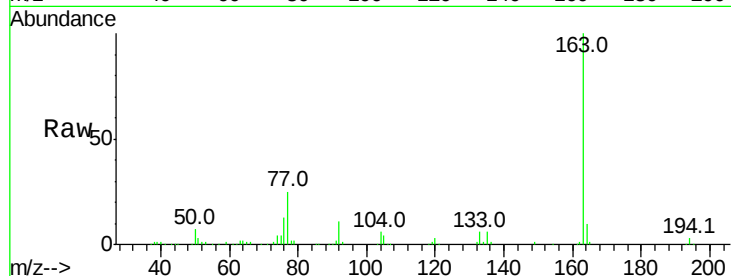
#49
Dimethylphthalate
Concen: 13.852 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	2.6	4.0	
164	9.7	8.4	12.6	

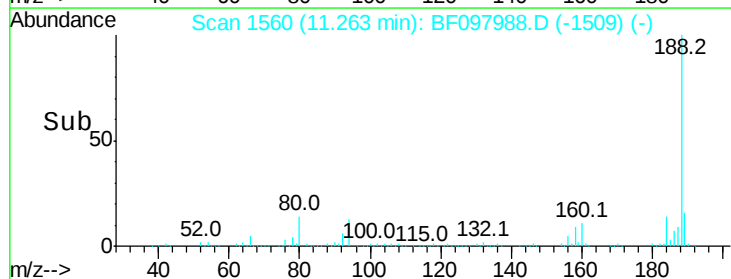
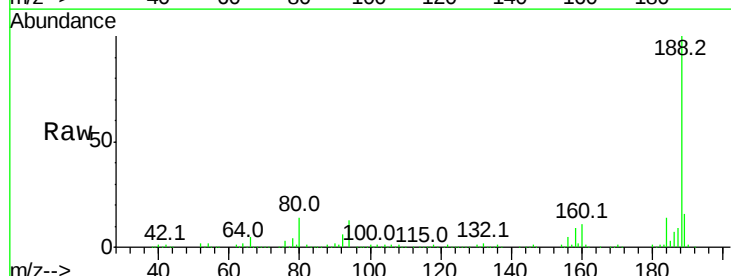
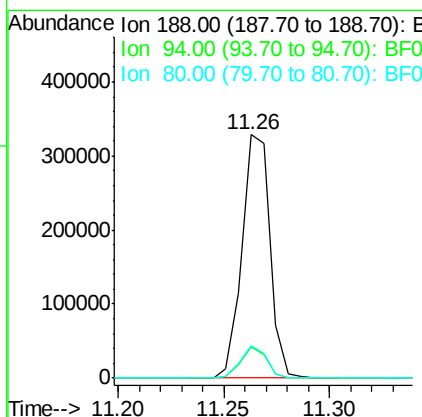
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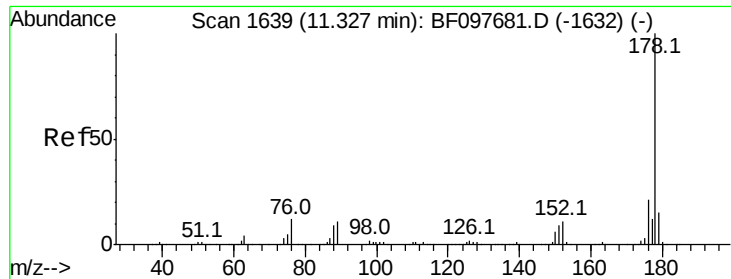
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.5	9.4	14.2	
80	13.5	10.2	15.2	





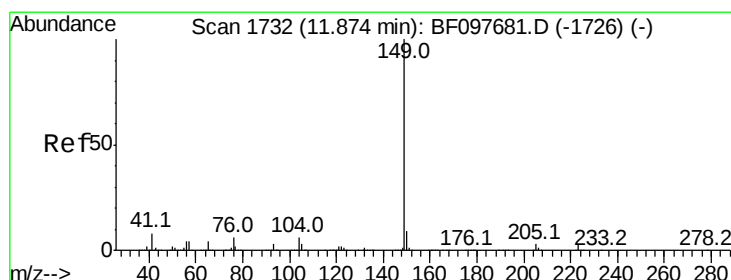
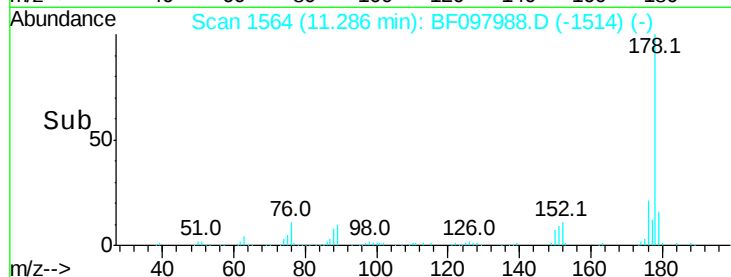
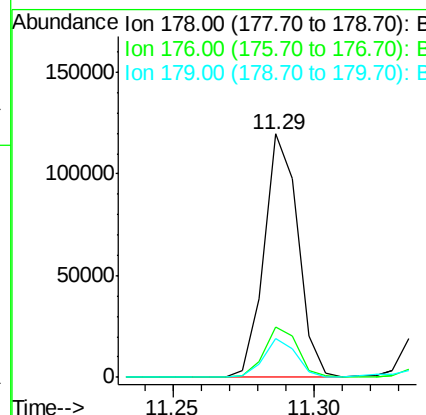
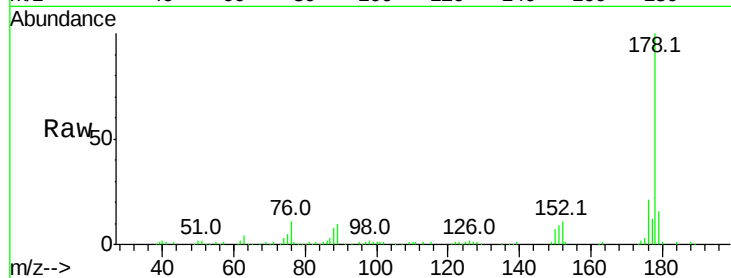
#70
Phenanthrene
Concen: 6.192 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.9	16.2	24.4
179	15.9	12.6	19.0

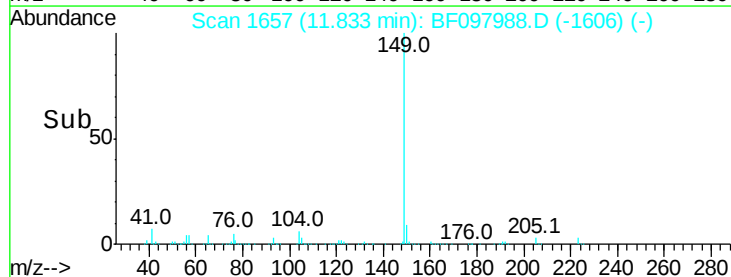
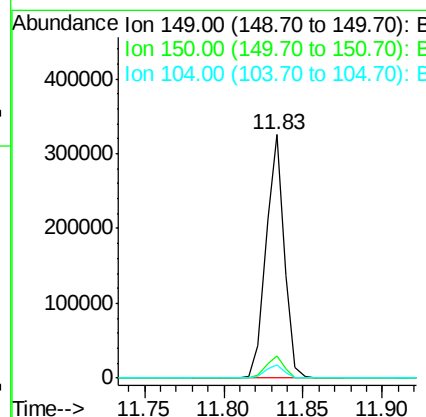
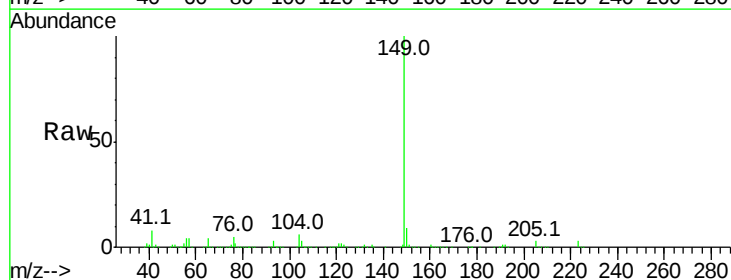
Manual Integrations
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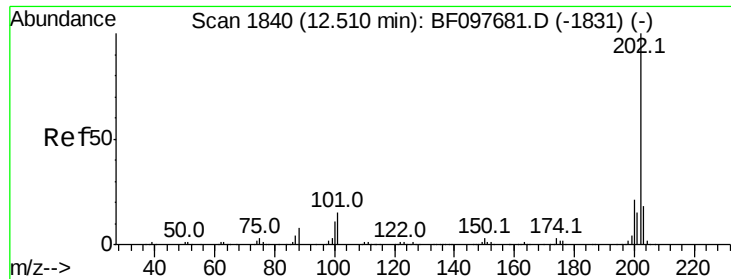
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#73
Di-n-butylphthalate
Concen: 14.683 ng
RT: 11.83 min Scan# 1657
Delta R.T. 0.00 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.7	11.5
104	5.5	4.0	6.0





#74

Fluoranthene

Concen: 23.057 ng

RT: 12.47 min Scan# 1766

Delta R.T. 0.00 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

Instrument :

BNA_F

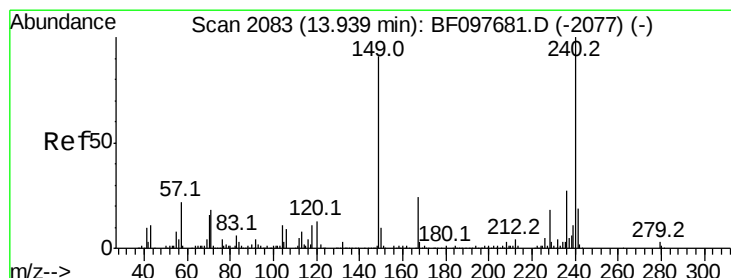
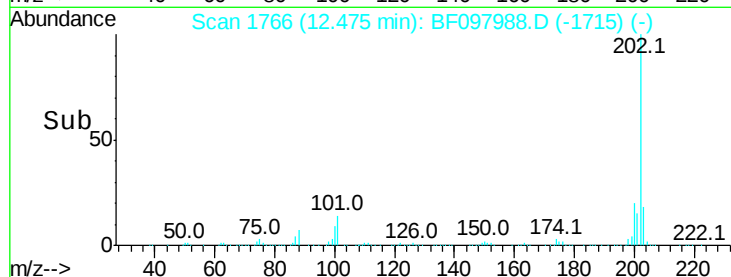
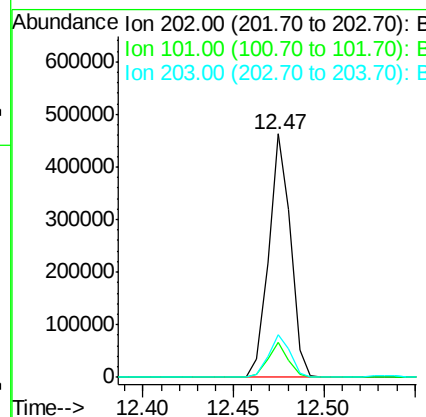
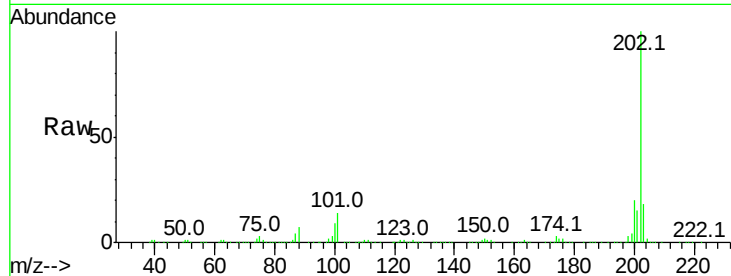
ClientSampleId :

TEC-BE2-1-3-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.2	0.0	33.2
203	17.7	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

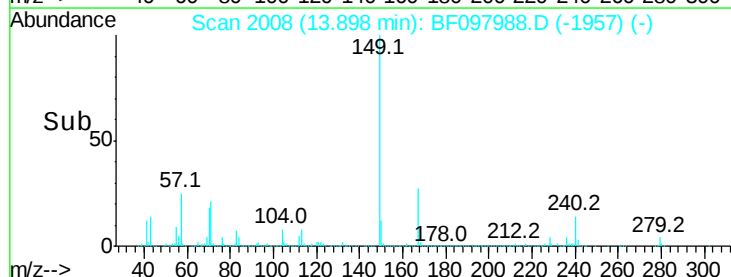
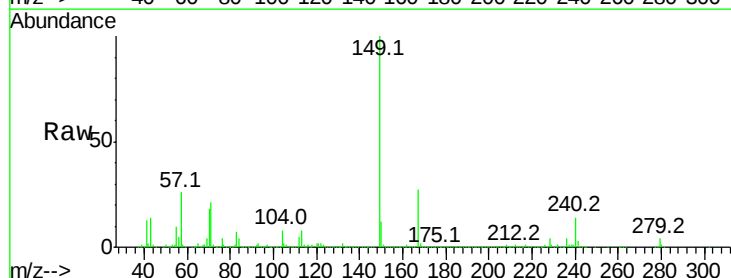
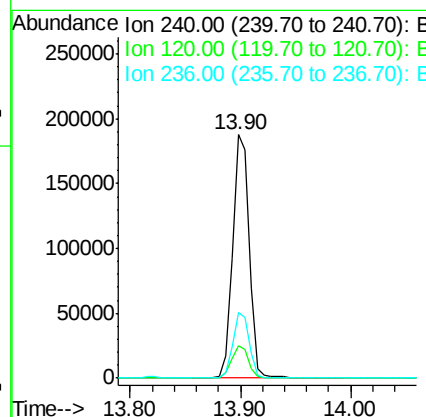
RT: 13.90 min Scan# 2008

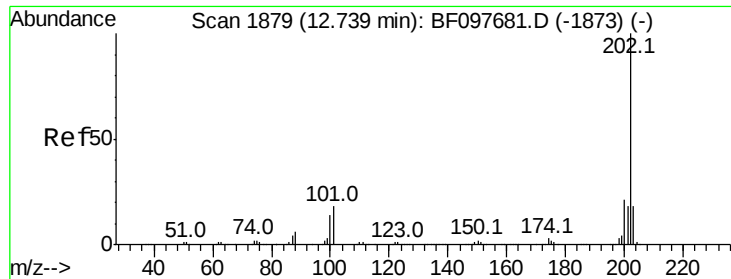
Delta R.T. 0.00 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.3	5.8	8.8#
236	26.8	20.5	30.7





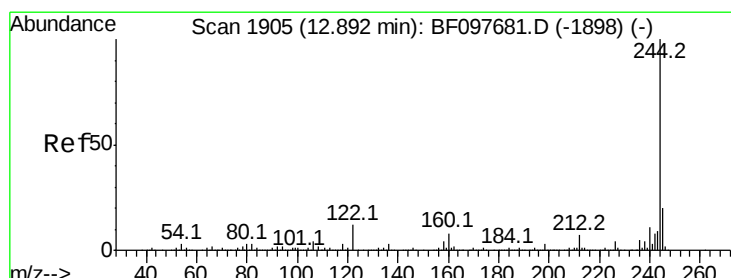
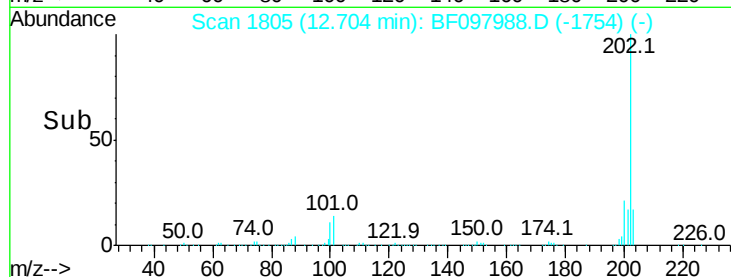
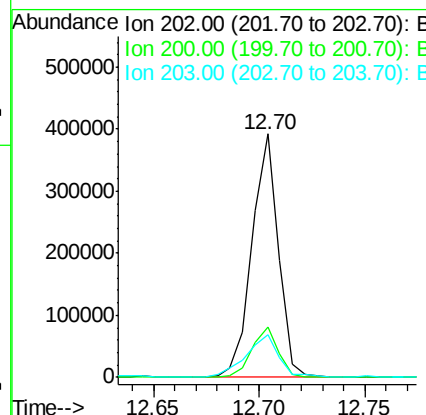
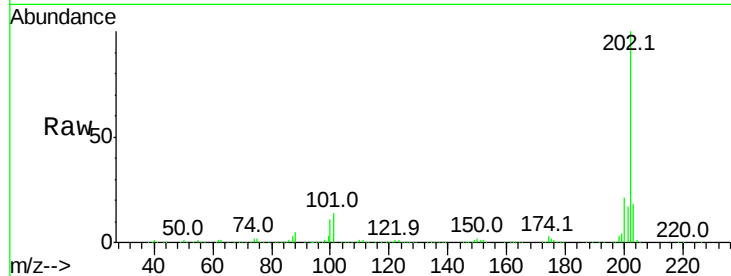
#77
Pvrene
Concen: 21.020 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.6	26.4
203	17.5	14.4	21.6

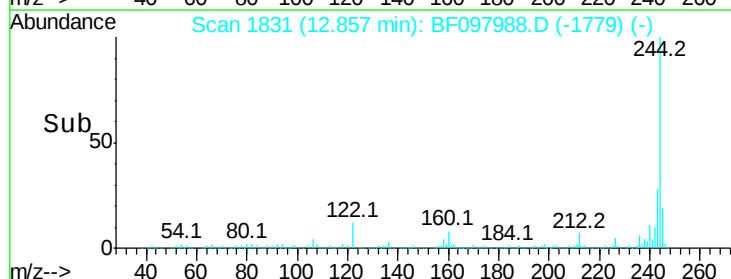
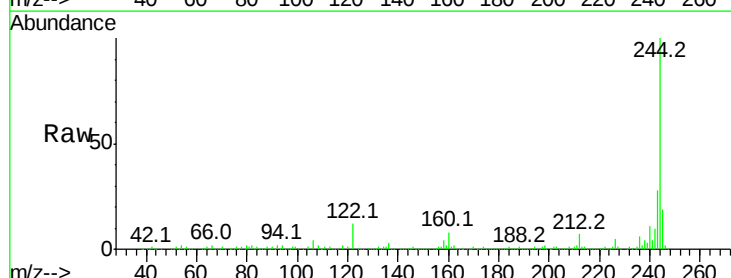
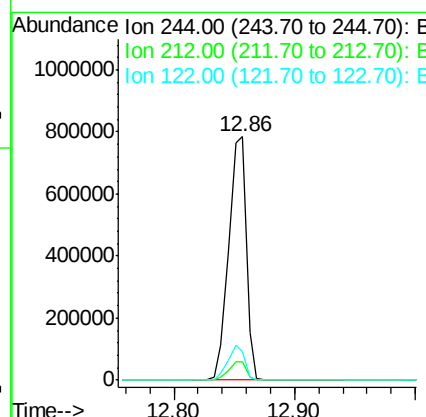
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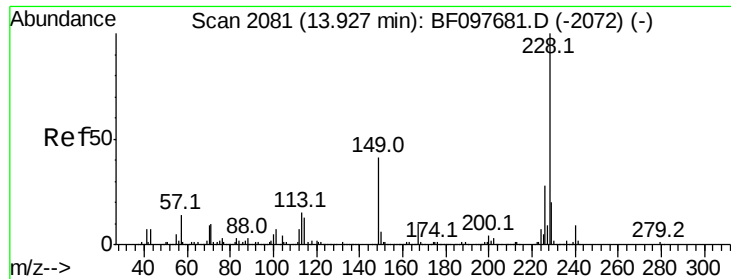
Sohil
8/23/2017 3:04:12 PM



#78
Terphenyl-d14
Concen: 83.597 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	11.5	10.3	15.5





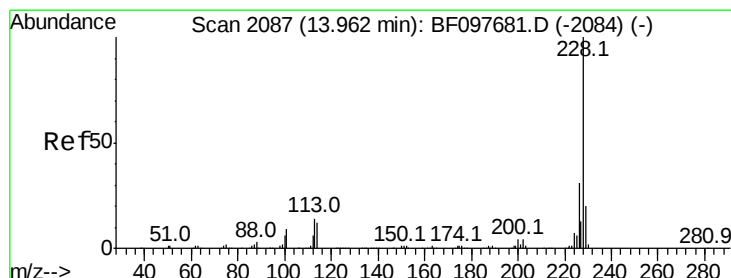
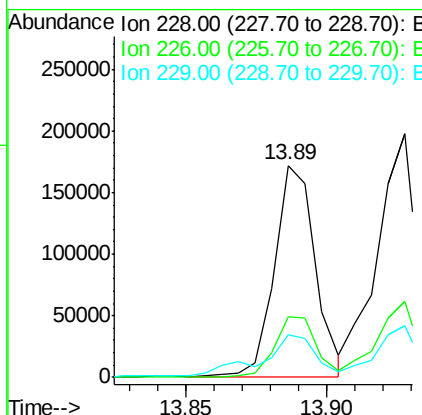
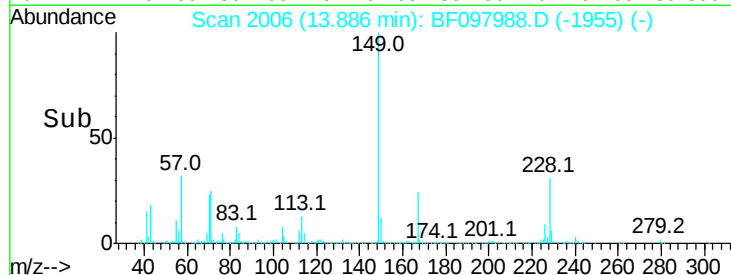
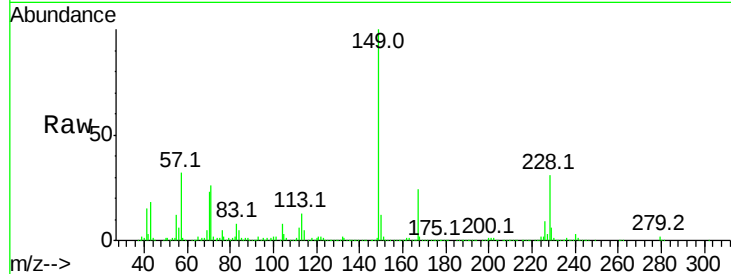
#80
Benzo(a)anthracene
Concen: 14.355 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.4	16.3	24.5

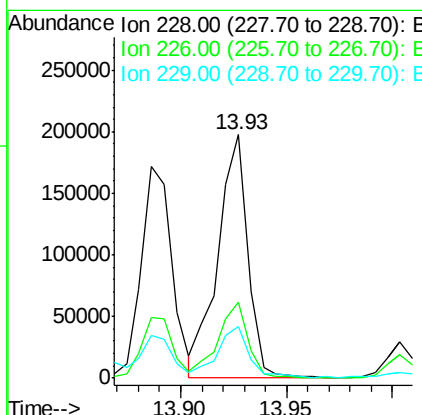
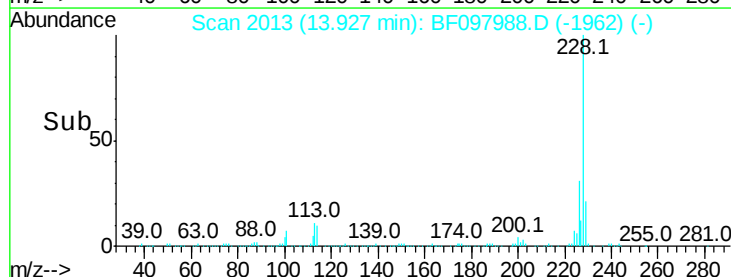
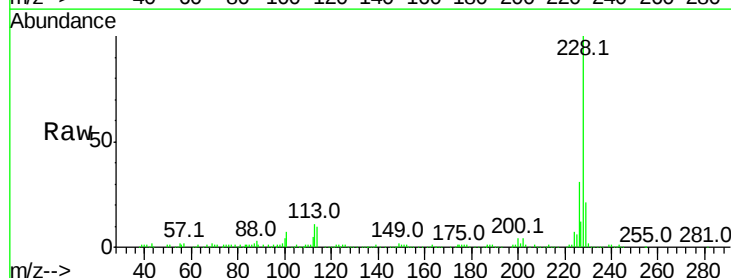
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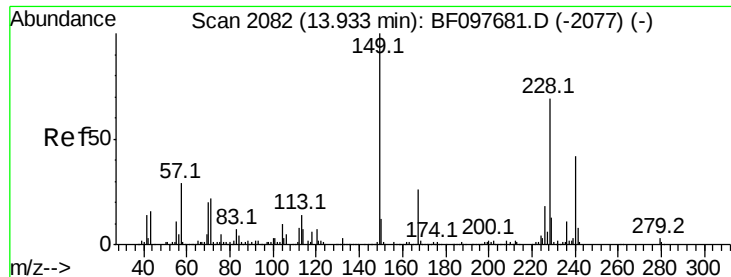
Sohil
8/23/2017 3:04:12 PM



#82
Chrysene
Concen: 16.283 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	21.0	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 226.434 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-1-3-COMP

Tot Ion:149 Resp: 1561693

Ion Ratio Lower Upper

149 100

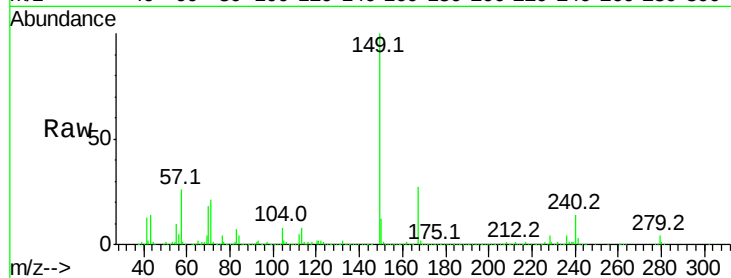
167 26.6 21.0 31.4

279 3.9 1.9 2.9#

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Sohil

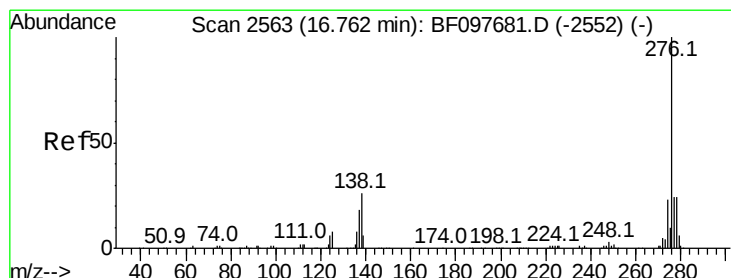
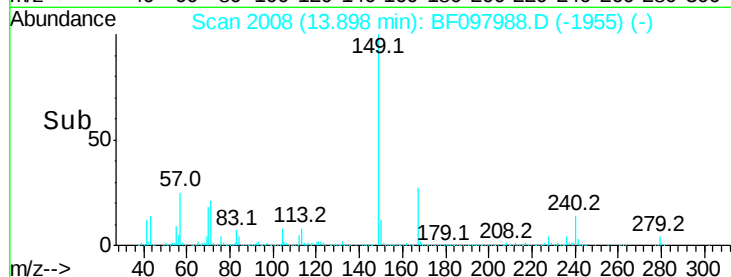
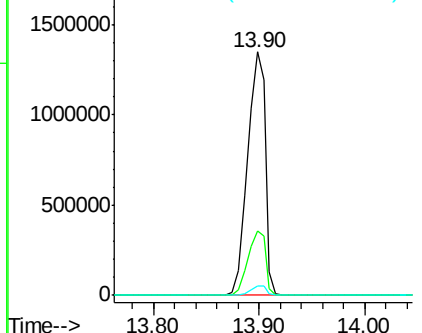
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 7.203 ng

RT: 16.70 min Scan# 2484

Delta R.T. 0.01 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

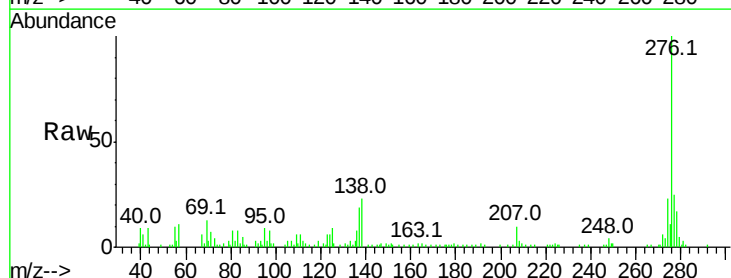
Tgt Ion:276 Resp: 62700

Ion Ratio Lower Upper

276 100

138 24.9 27.8 41.6#

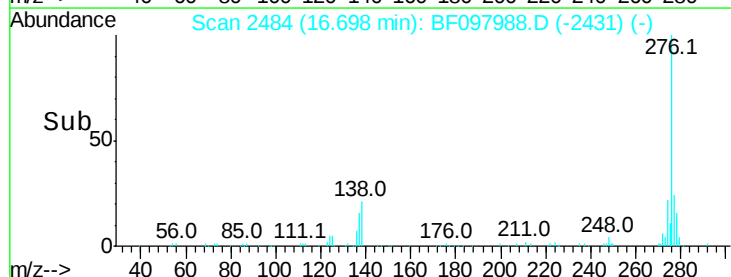
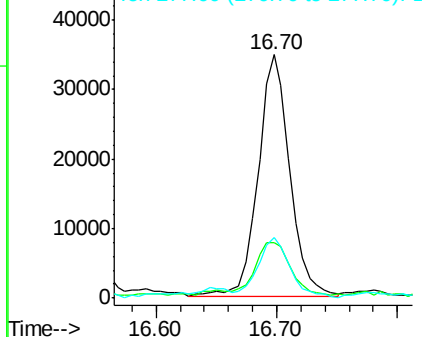
277 25.9 20.2 30.4

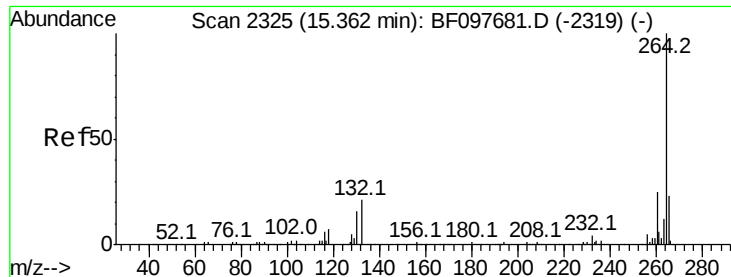


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





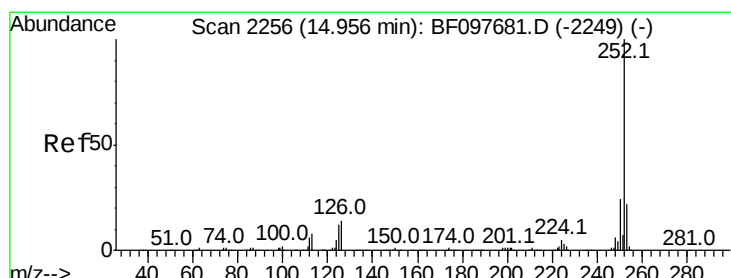
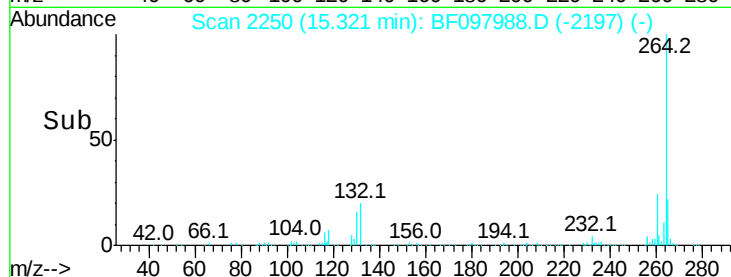
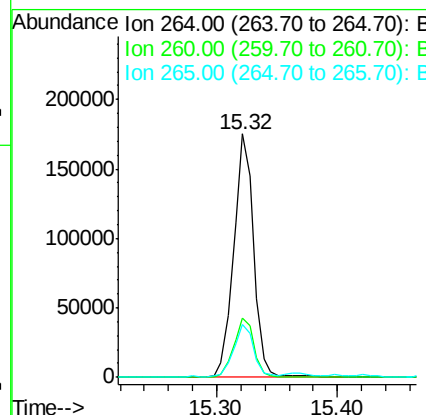
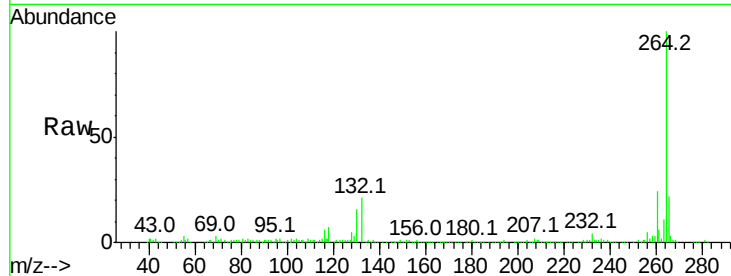
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

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

Tot Ion	Ratio	Resp	Lower	Upper
264	100	201570		
260	24.5	19.5	29.3	
265	21.9	17.2	25.8	

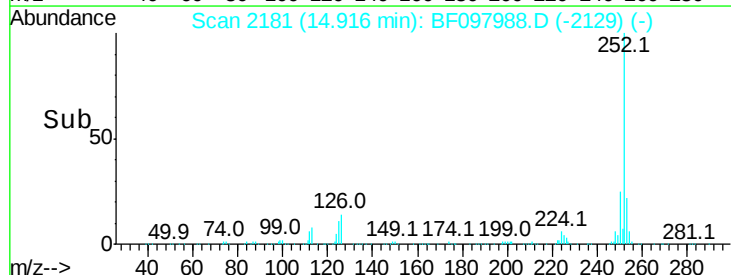
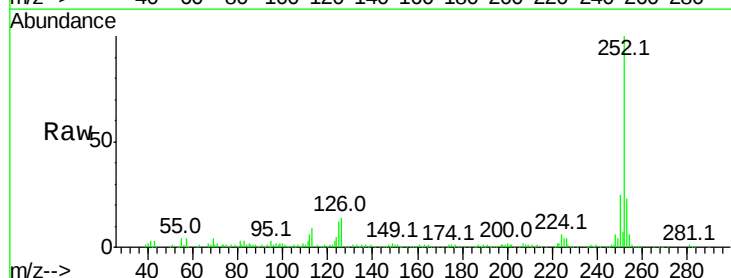
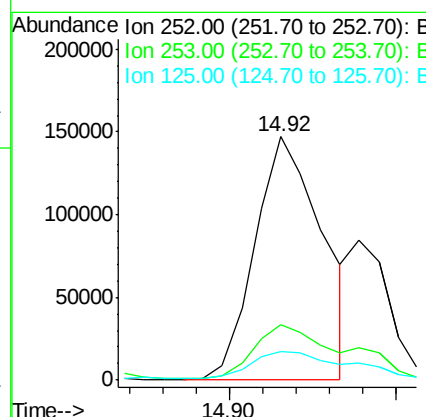
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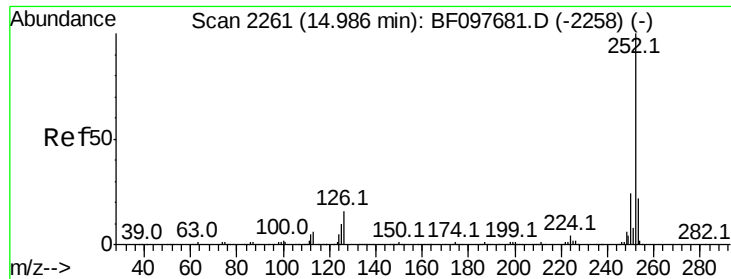
Sohil
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#87
Benzo(b)fluoranthene
Concen: 16.400 ng m
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	208370		
253	22.6	18.1	27.1	
125	11.9	9.8	14.8	





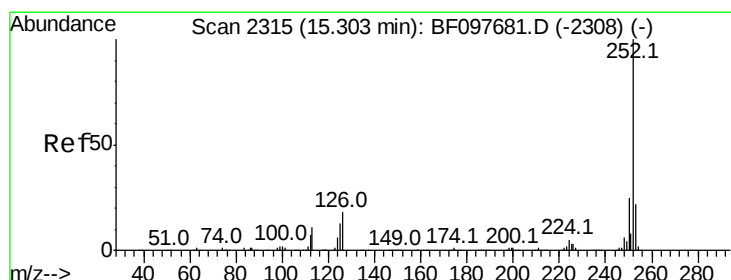
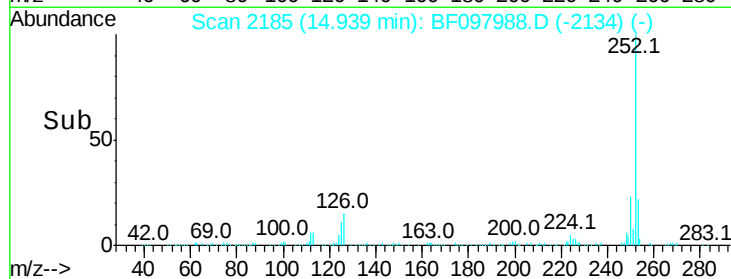
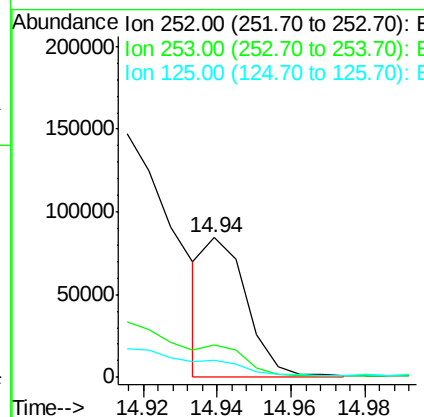
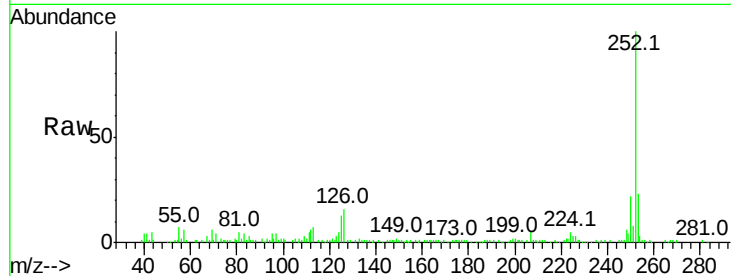
#88
Benzo(k)fluoranthene
Concen: 5.720 ng m
RT: 14.94 min Scan# 2185
Delta R.T. 0.00 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	68281		
253	22.9	18.4	27.6	
125	12.6	13.1	19.7	

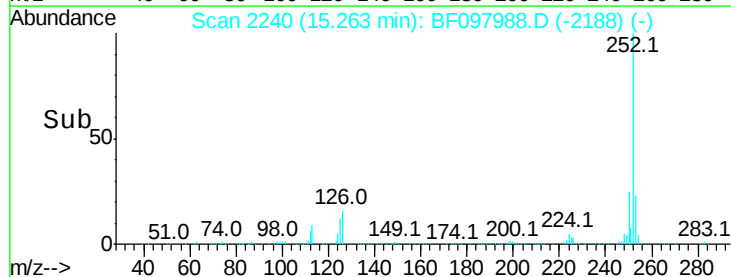
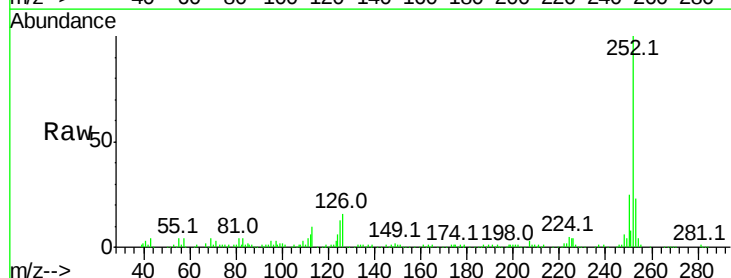
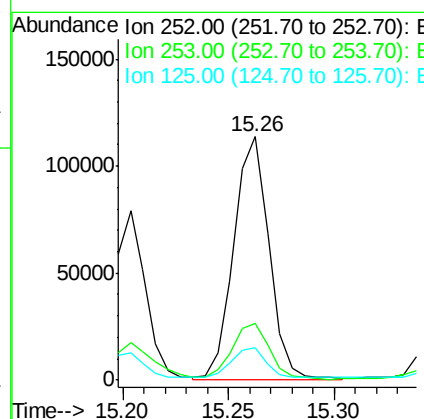
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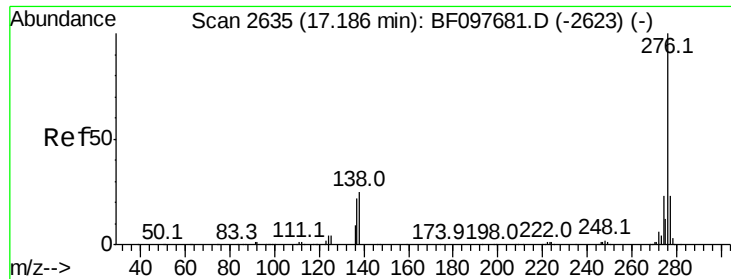
Sohil
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#89
Benzo(a)pyrene
Concen: 11.575 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	130194		
253	23.1	17.5	26.3	
125	13.1	11.0	16.4	





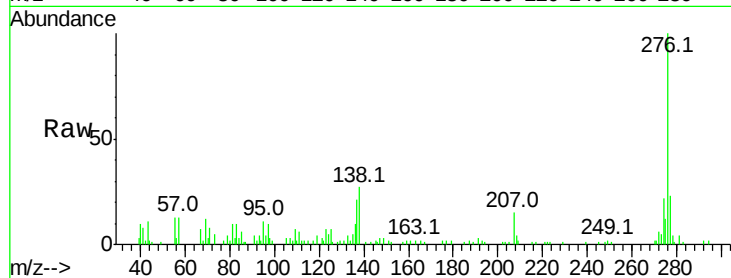
#91
 Benzo(a,h,i)perylene
 Concen: 5.691 ng
 RT: 17.11 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: BF097988.D
 Acq: 23 Aug 2017 7:57

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

Tot Ion:	276	Resp:	54377
Ion Ratio	Lower	Upper	
276	100		
277	23.1	18.6	28.0
138	27.1	25.4	38.0

Manual Integrations
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Sohil
 8/23/2017 3:04:12 PM



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

