

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098120.D
 Acq On : 29 Aug 2017 19:36
 Operator : SJ/JU
 Sample : I4989-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BERGEN-GEN-S3-COMP

Manual Integrations
 APPROVED

Sohil
 8/30/2017 6:45:00 PM

Quant Time: Aug 30 05:26:23 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	6.73	152	134415	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	541582	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	236718	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	398291	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	283262	20.00	ng	-0.01
86) Perylene-d12	15.30	264	253412	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	942349	106.64	ng	0.00
7) Phenol-d6	6.37	99	1278032	106.44	ng	-0.01
23) Nitrobenzene-d5	7.30	82	794370	79.68	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	215083	104.72	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	1081904	67.15	ng	-0.02
78) Terphenyl-d14	12.84	244	771669	56.81	ng	-0.01
Target Compounds						
10) Phenol	6.38	94	47445	3.379	ng	87
49) Dimethylphthalate	9.49	163	194386	11.234	ng	99
70) Phenanthrene	11.27	178	60888	2.869	ng	99
74) Fluoranthene	12.46	202	152946	6.904	ng	100
77) Pyrene	12.69	202	150609	6.501	ng	97
80) Benzo(a)anthracene	13.87	228	80837	4.762	ng	94
82) Chrysene	13.91	228	81083	4.801	ng	98
85) Indeno(1,2,3-cd)pyrene	16.67	276	32680	2.630	ng	91
87) Benzo(b)fluoranthene	14.90	252	103565m	6.484	ng	
89) Benzo(a)pyrene	15.24	252	67801	4.795	ng	99
91) Benzo(a,h,i)perylene	17.08	276	32451	2.702	ng	95

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

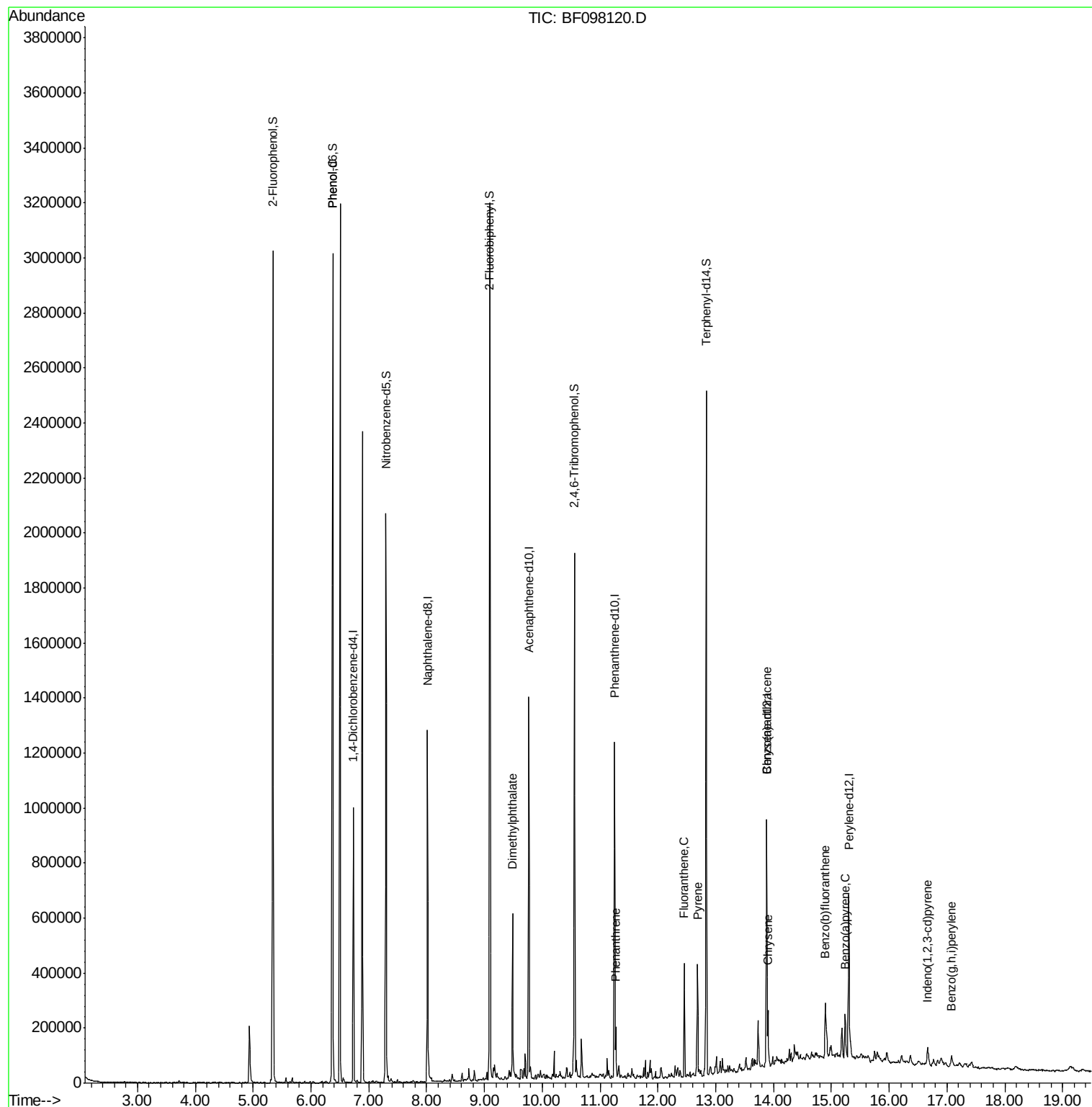
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
Data File : BF098120.D
Acq On : 29 Aug 2017 19:36
Operator : SJ/JU
Sample : I4989-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

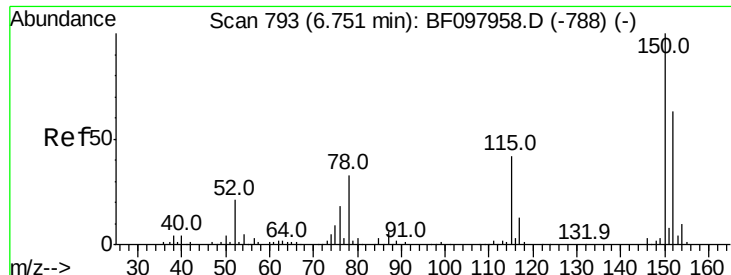
Instrument :
BNA_F
ClientSampleId :
BERGEN-GEN-S3-COMP

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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#1

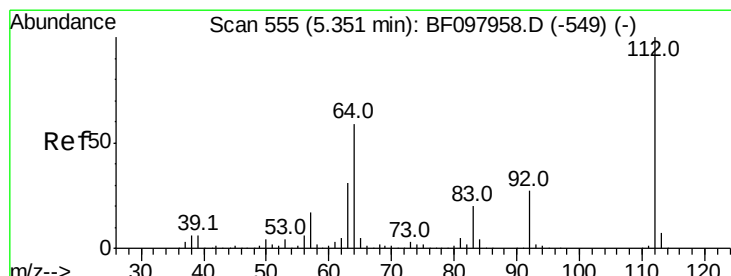
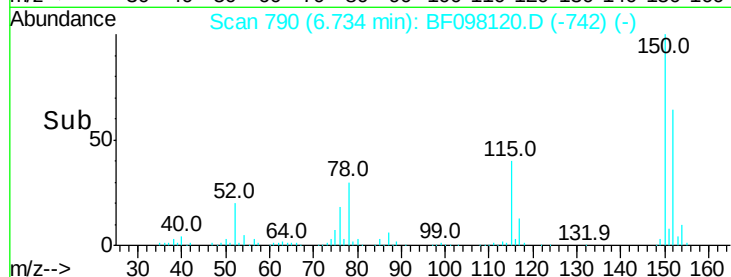
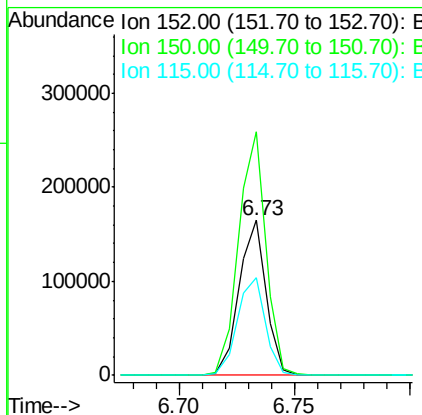
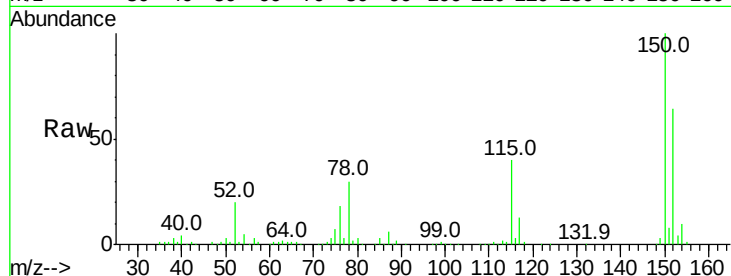
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

Instrument :
BNA_F
ClientSampleId :
BERGEN-GEN-S3-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.2	189.2
115	62.8	52.2	78.2

Manual Integrations
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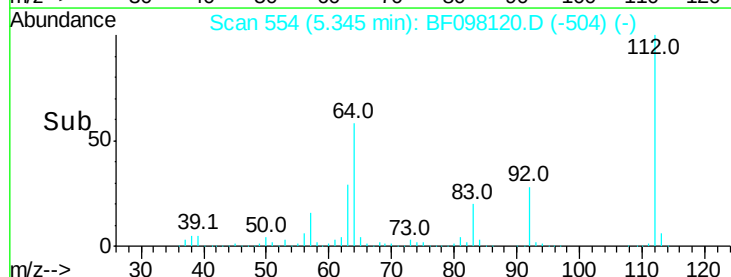
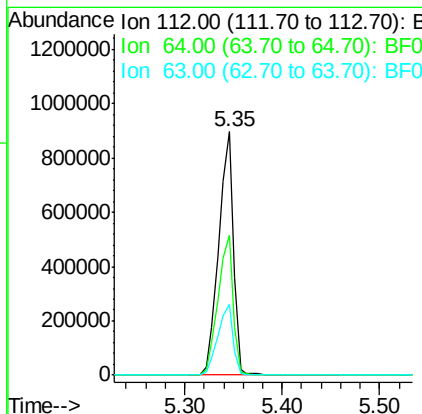
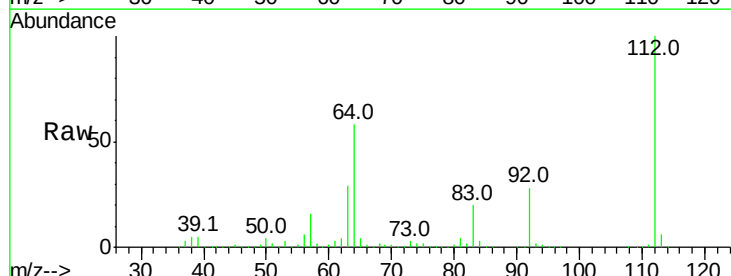
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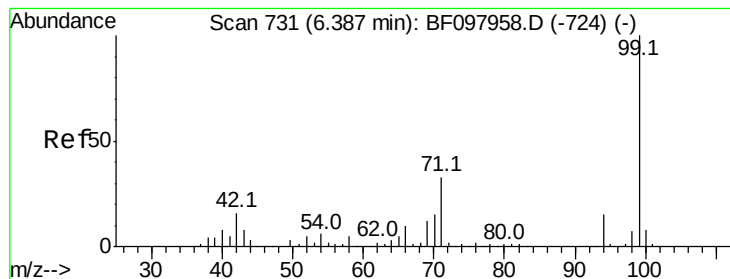


#5

2-Fluorophenol
Concen: 106.639 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	46.0	69.0
63	29.3	23.4	35.0





#7

Phenol-d6

Concen: 106.443 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098120.D

Acq: 29 Aug 2017 19:36

Instrument :

BNA_F

ClientSampleId :

BERGEN-GEN-S3-COMP

Tot Ion: 99 Resp: 1278032

Ion Ratio Lower Upper

99 100

42 14.8 13.5 20.3

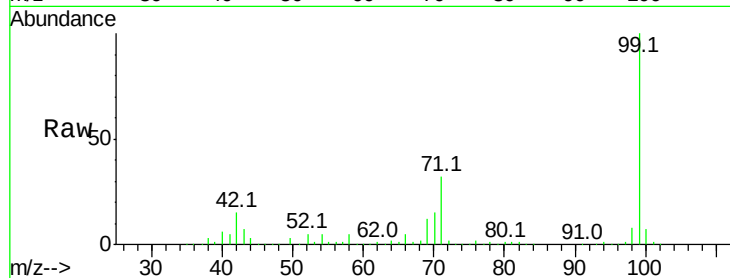
71 32.0 24.5 36.7

Manual Integrations

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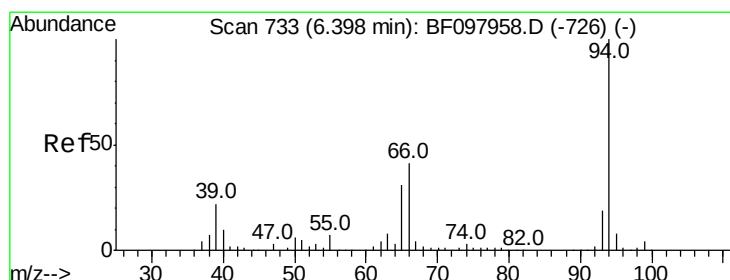
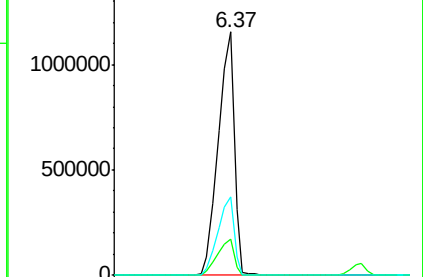
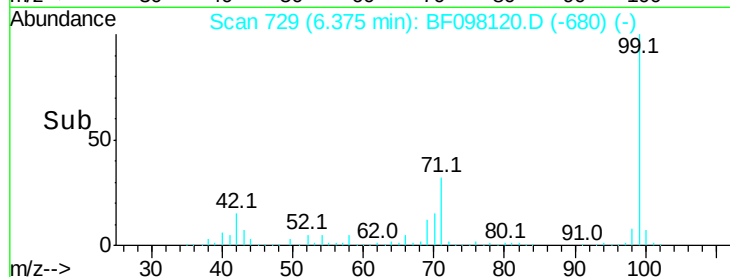
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.379 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF098120.D

Acq: 29 Aug 2017 19:36

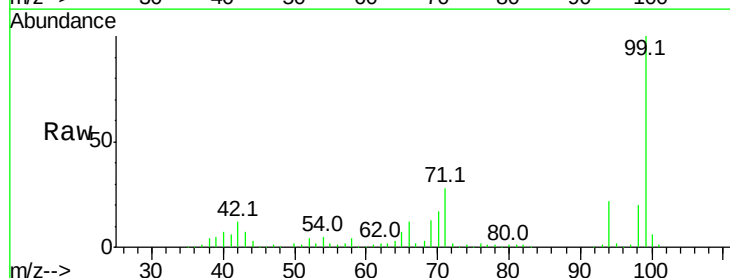
Tgt Ion: 94 Resp: 47445

Ion Ratio Lower Upper

94 100

65 32.7 9.9 49.9

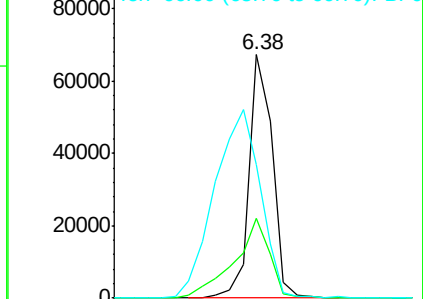
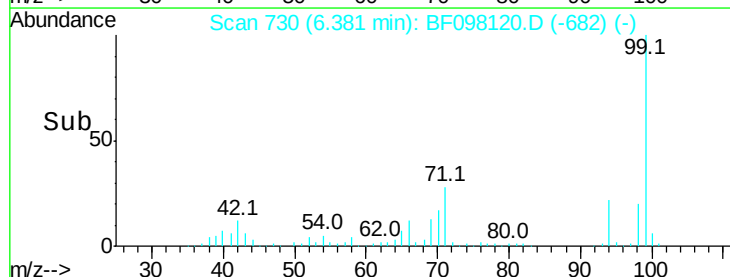
66 55.0 23.1 63.1

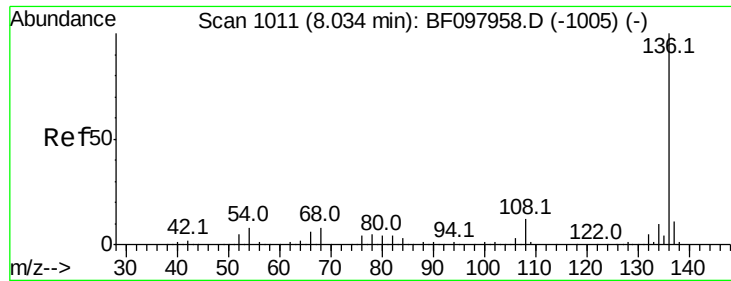


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





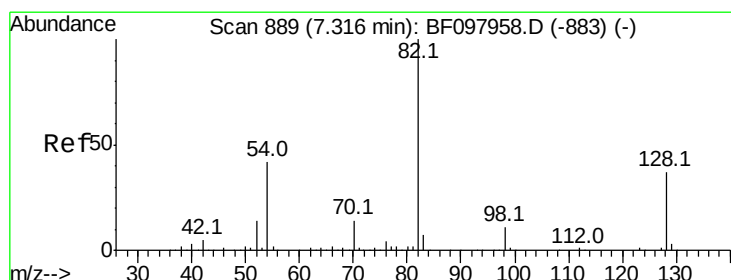
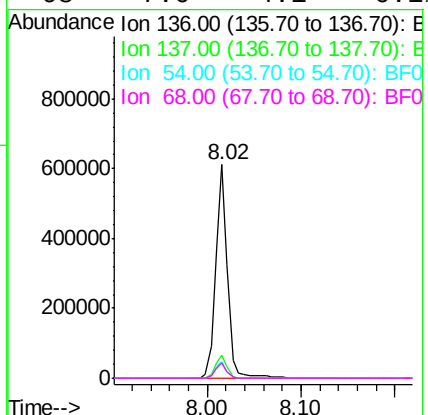
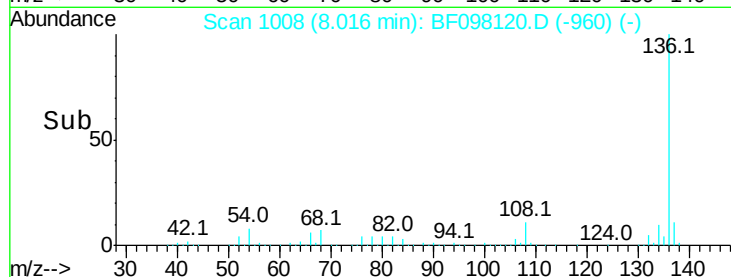
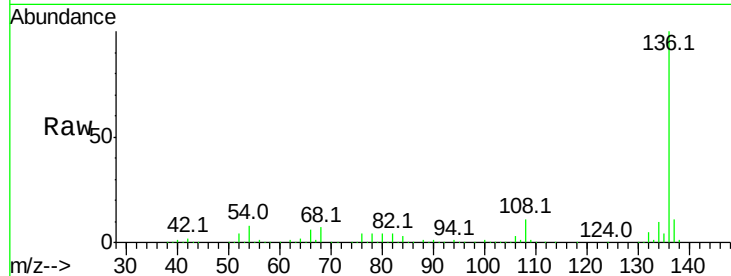
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

Instrument :
BNA_F
ClientSampleId :
BERGEN-GEN-S3-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.5	12.7	
54	7.7	4.9	7.3#	
68	7.0	4.1	6.1#	

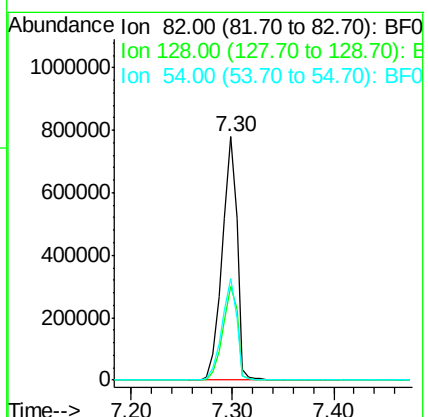
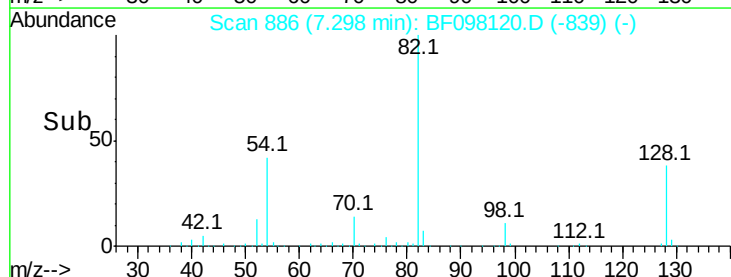
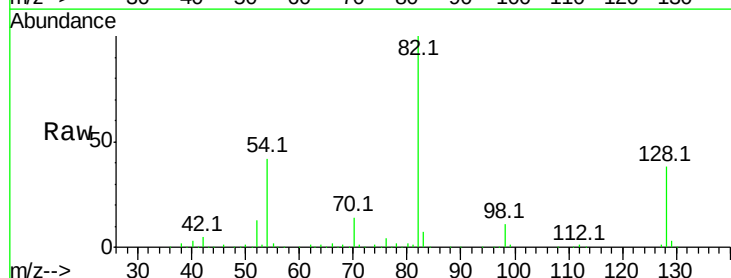
Manual Integrations
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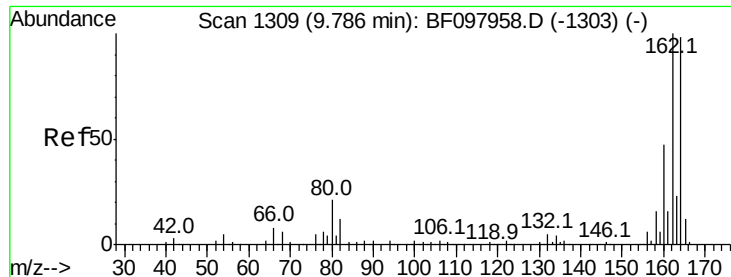
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#23
Nitrobenzene-d5
Concen: 79.681 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.4	34.0	51.0	
54	41.6	42.2	63.2#	





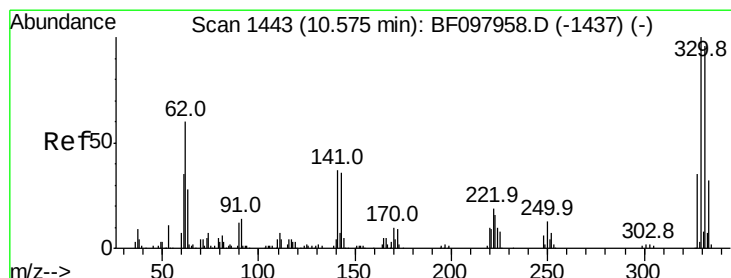
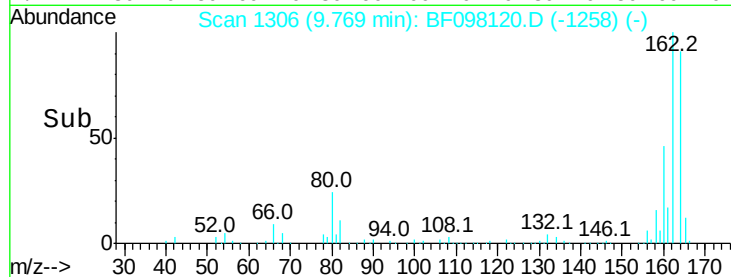
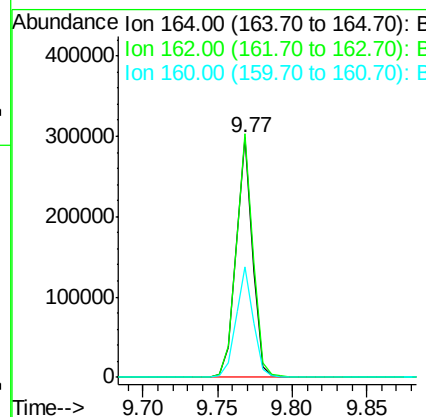
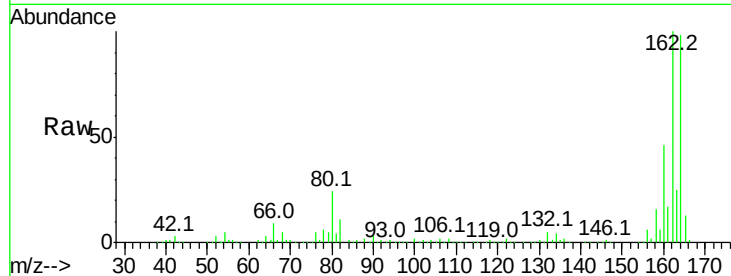
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF098120.D
 Acq: 29 Aug 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 BERGEN-GEN-S3-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	236718		
162	101.8	82.6	123.8	
160	46.3	36.2	54.2	

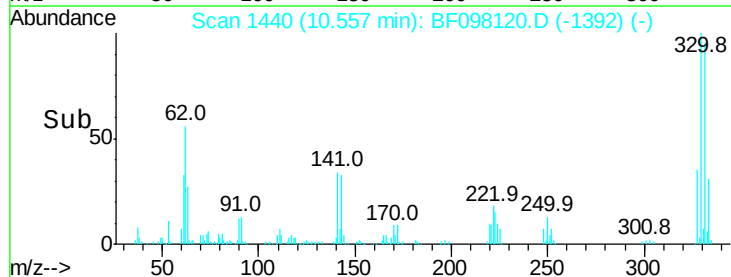
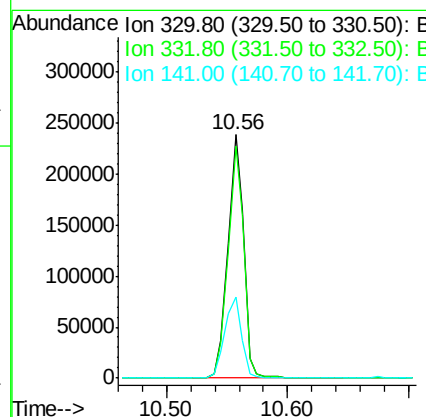
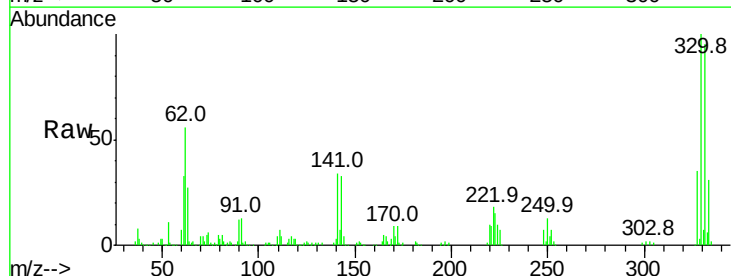
Manual Integrations
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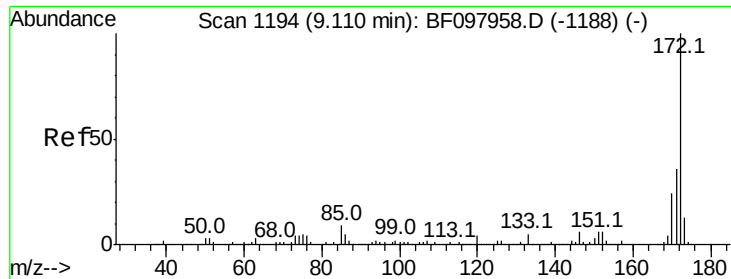
Sohil
 8/30/2017 6:45:00 PM



#41
 2,4,6-Tribromophenol
 Concen: 104.719 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098120.D
 Acq: 29 Aug 2017 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	215083		
332	95.5	76.6	115.0	
141	36.4	31.4	47.2	





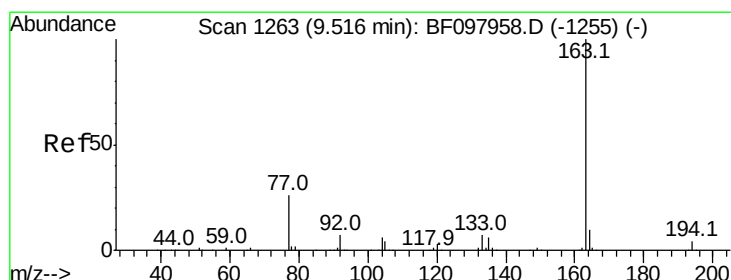
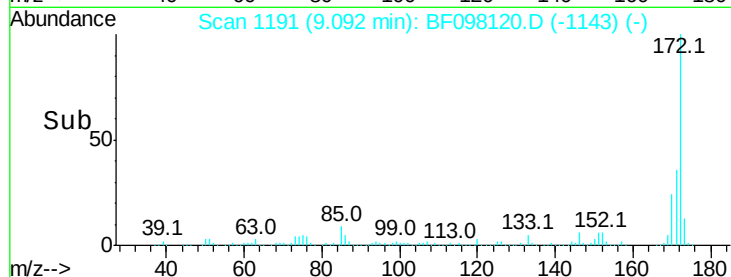
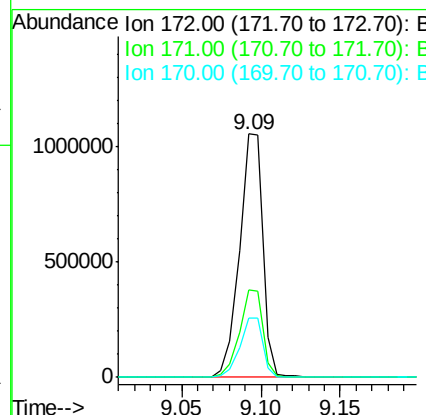
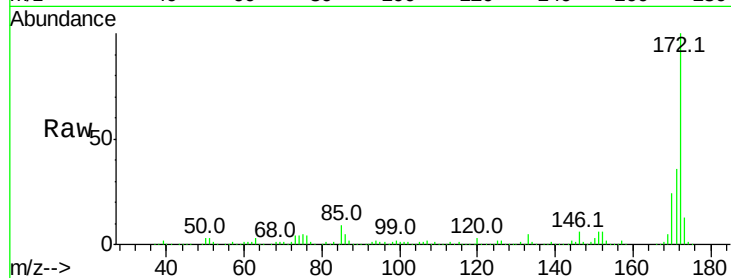
#44
2-Fluorobiphenyl
Concen: 67.149 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.02 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

Instrument :
BNA_F
ClientSampleId :
BERGEN-GEN-S3-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.4	19.8	29.8

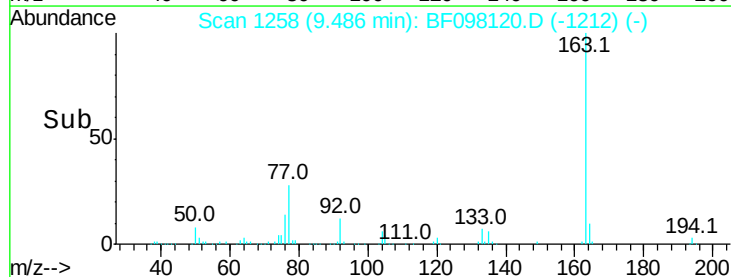
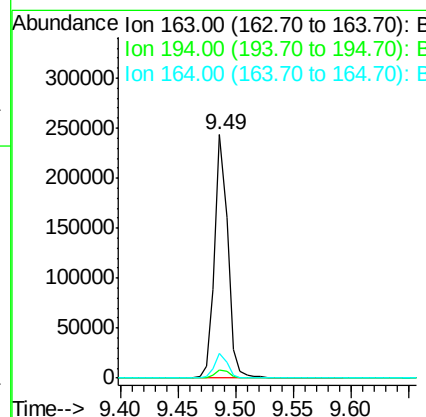
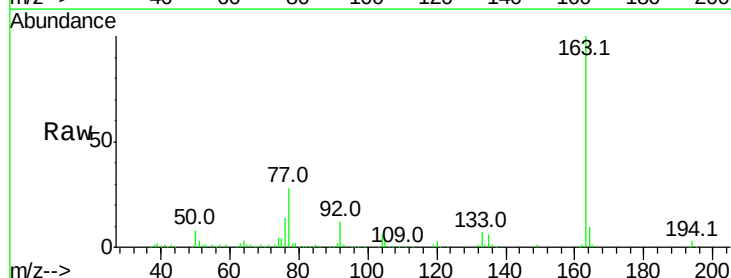
Manual Integrations
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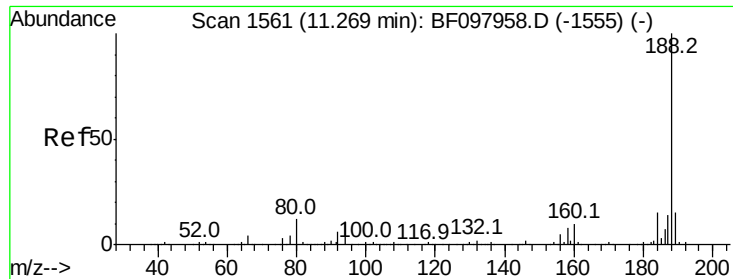
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#49
Dimethylphthalate
Concen: 11.234 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.1	8.4	12.6





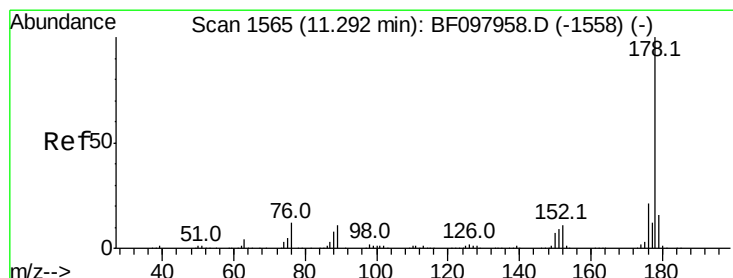
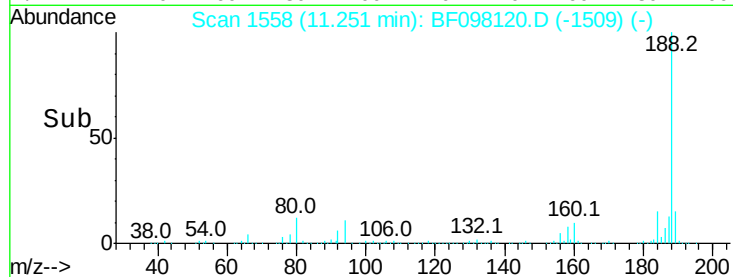
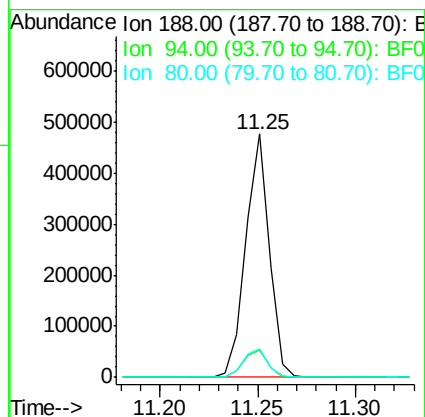
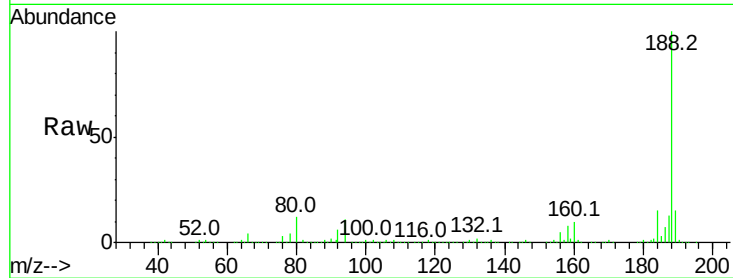
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

Instrument :
BNA_F
ClientSampleId :
BERGEN-GEN-S3-COMP

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.2	9.4	14.2
80	11.9	10.2	15.2

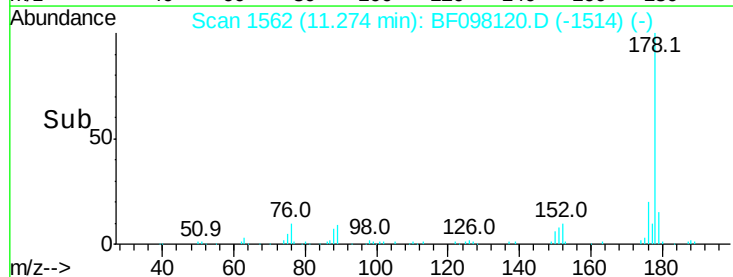
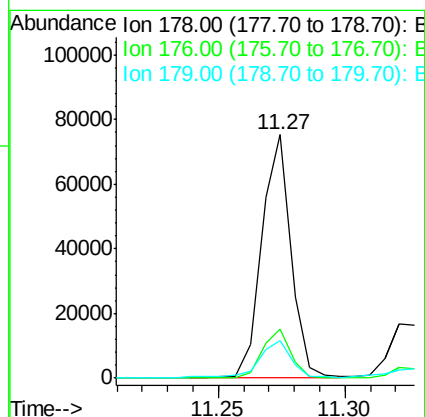
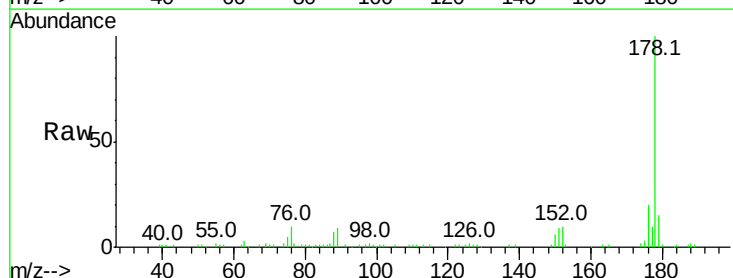
Manual Integrations
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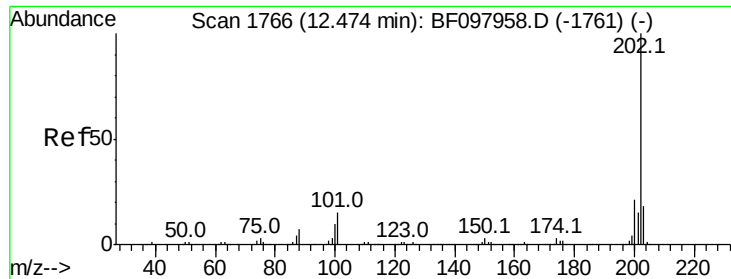
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#70
Phenanthrene
Concen: 2.869 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.1	16.2	24.4
179	15.3	12.6	19.0





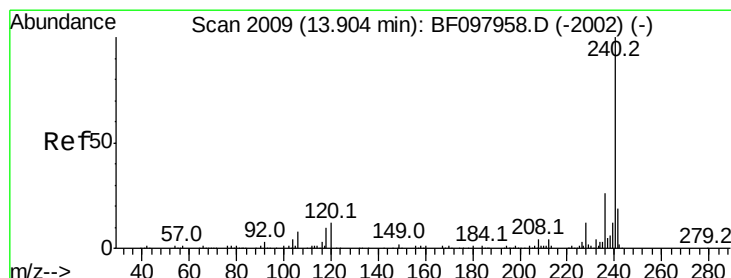
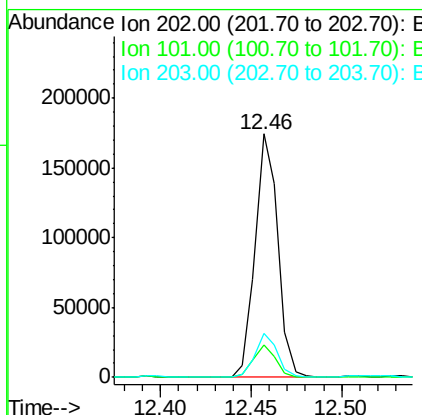
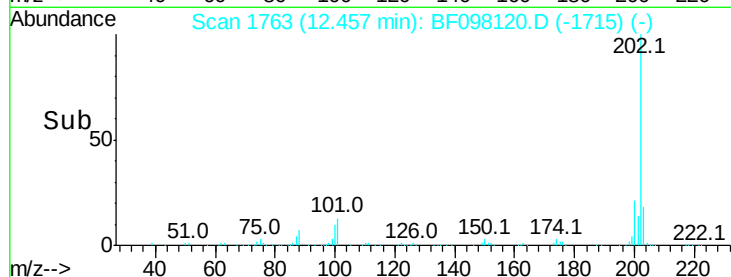
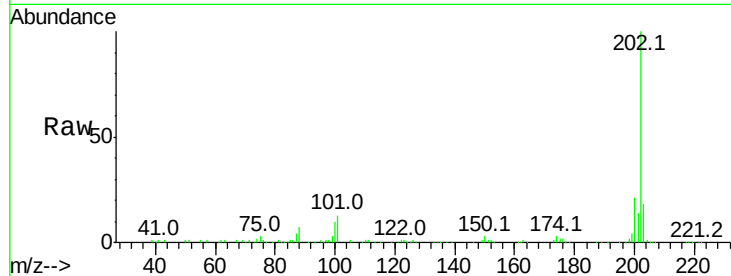
#74
Fluoranthene
Concen: 6.904 ng
RT: 12.46 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

Instrument :
BNA_F
ClientSampleId :
BERGEN-GEN-S3-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	152946		
101	13.3	0.0	33.2	
203	18.0	0.0	38.1	

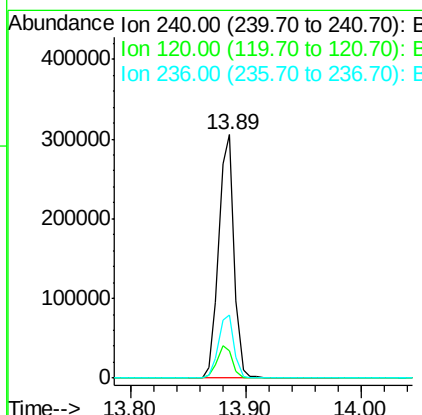
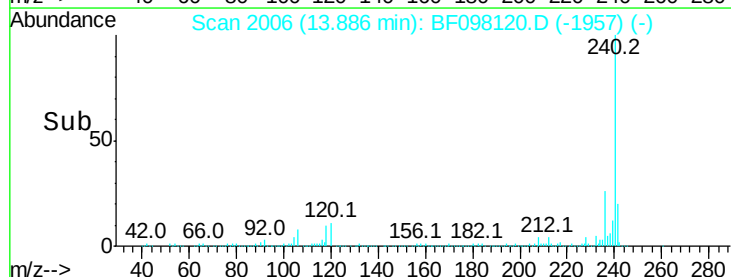
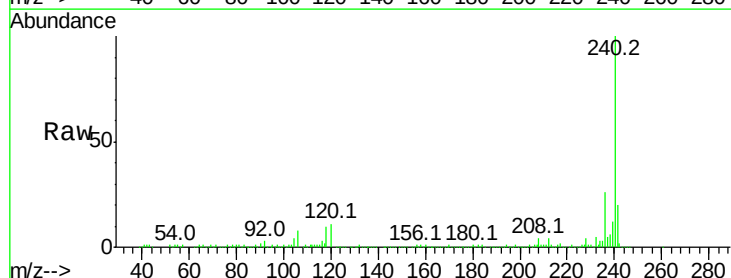
Manual Integrations
APPROVED

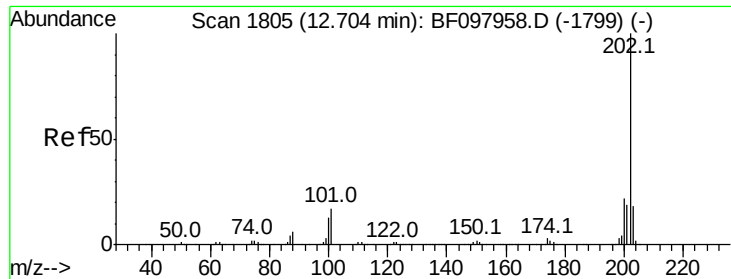
Sohil
8/30/2017 6:45:00 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	283262		
120	11.4	5.8	8.8#	
236	25.8	20.5	30.7	





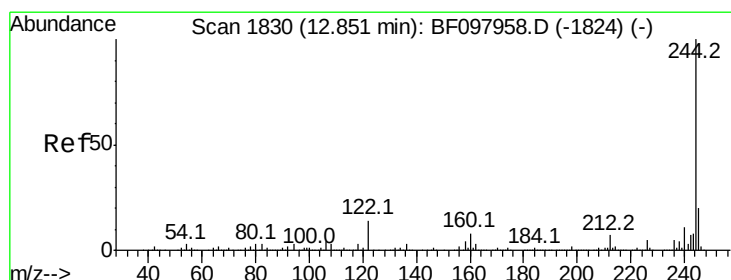
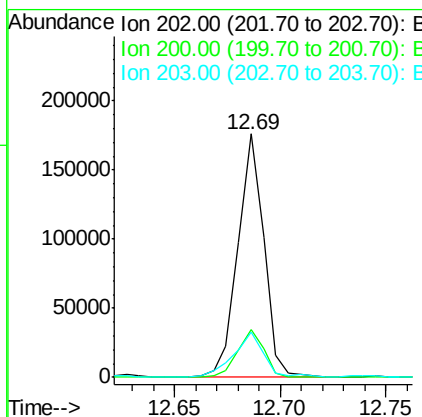
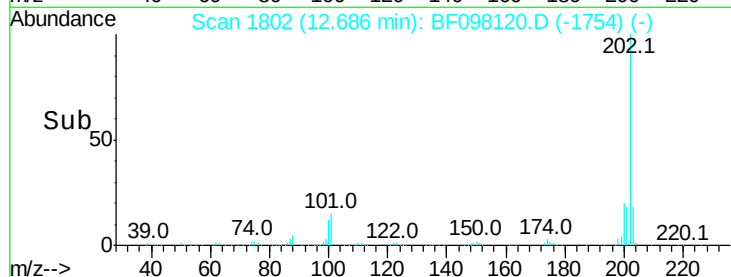
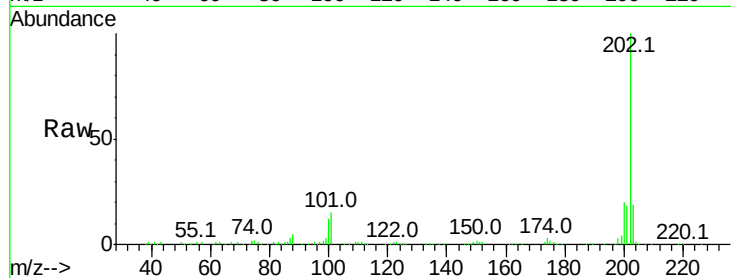
#77
Pvrene
Concen: 6.501 ng
RT: 12.69 min Scan# 1802
Delta R.T. -0.02 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

Instrument :
BNA_F
ClientSampleId :
BERGEN-GEN-S3-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.6	26.4
203	18.5	14.4	21.6

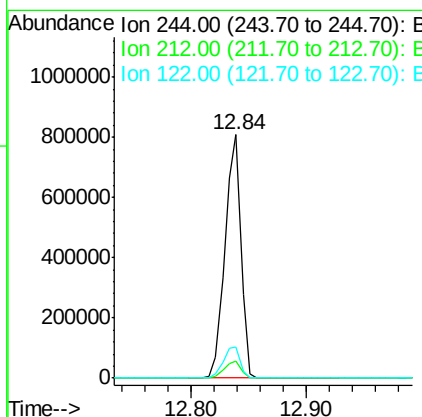
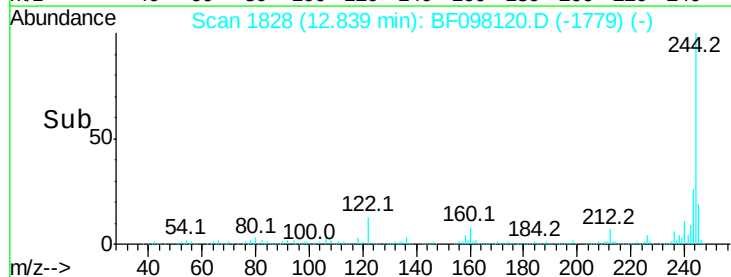
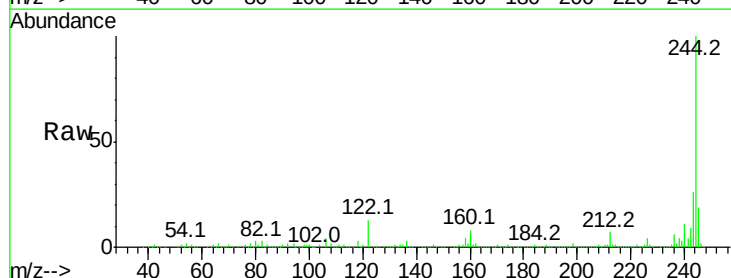
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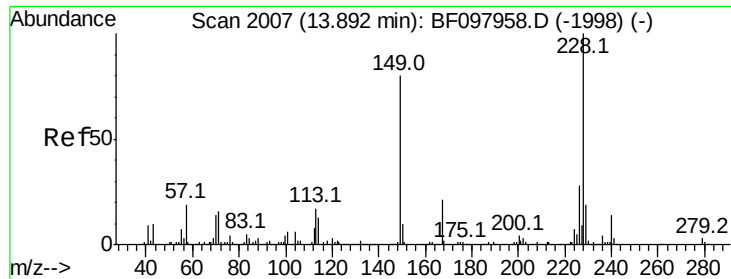
Sohil
8/30/2017 6:45:00 PM



#78
Terphenyl-d14
Concen: 56.809 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	12.6	10.3	15.5





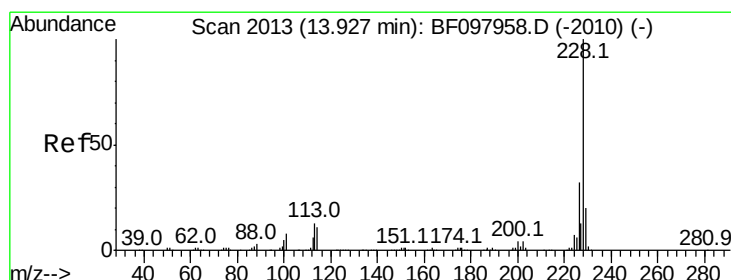
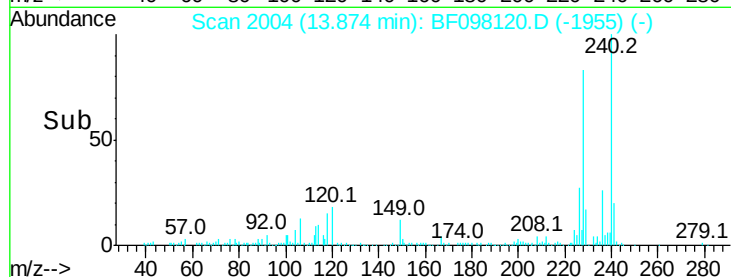
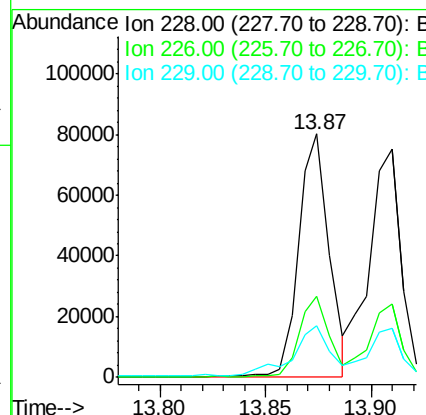
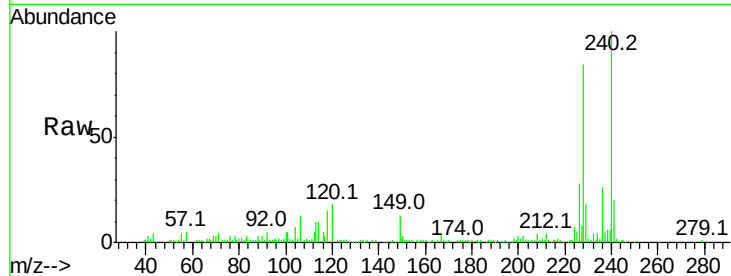
#80
Benzo(a)anthracene
Concen: 4.762 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

Instrument :
BNA_F
ClientSampleId :
BERGEN-GEN-S3-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	22.6	33.8
229	21.1	16.3	24.5

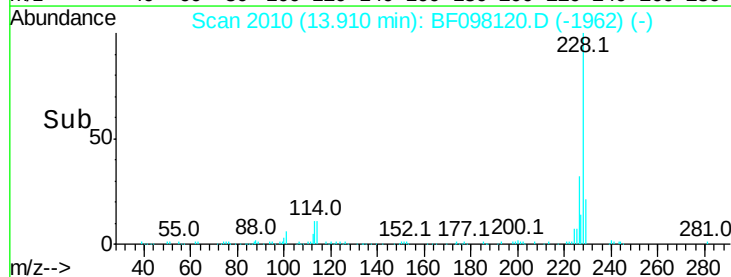
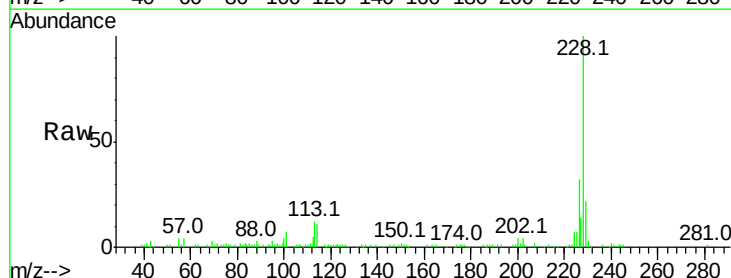
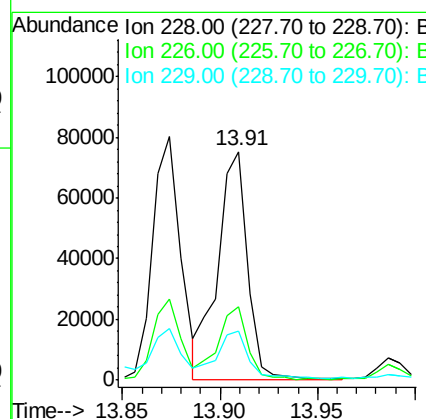
Manual Integrations
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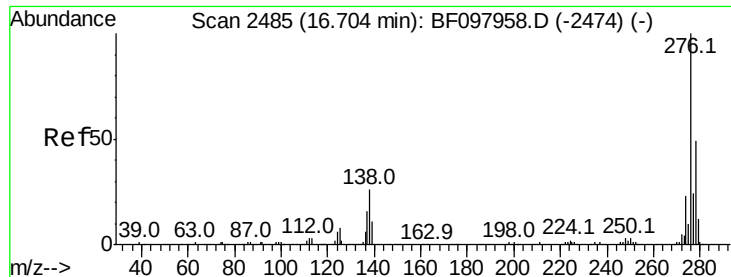
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#82
Chrysene
Concen: 4.801 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	21.5	15.8	23.6





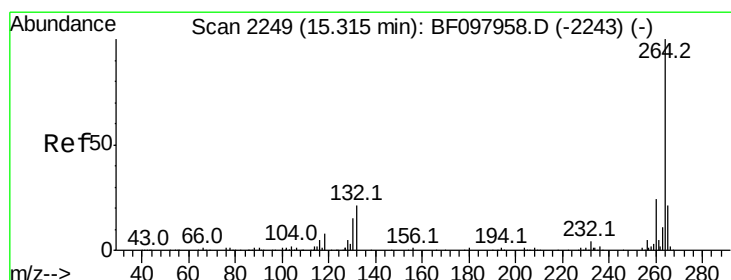
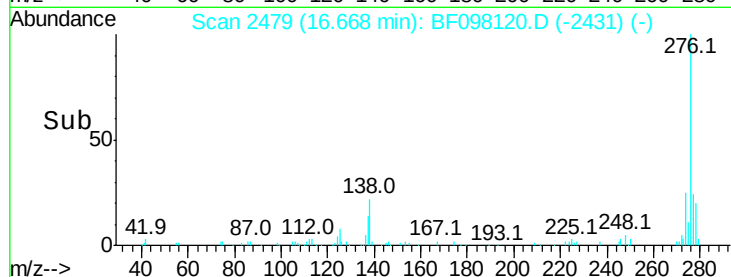
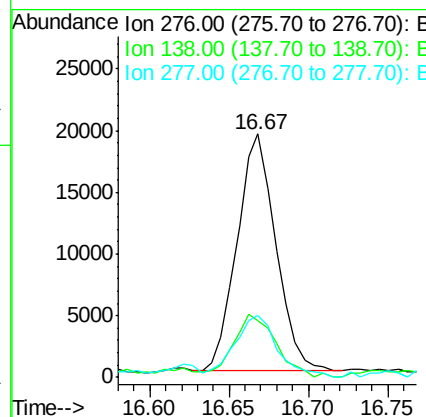
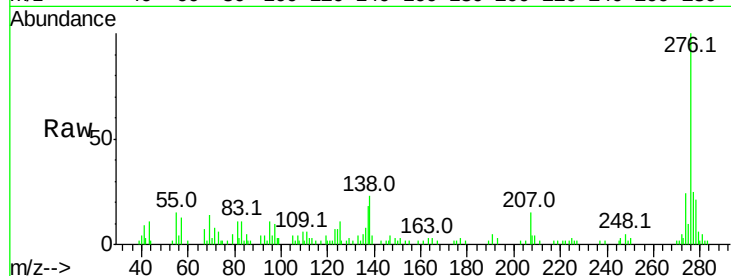
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.630 ng
RT: 16.67 min Scan# 2479
Delta R.T. -0.02 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

Instrument :
BNA_F
ClientSampleId :
BERGEN-GEN-S3-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.9	27.8	41.6
277	29.0	20.2	30.4

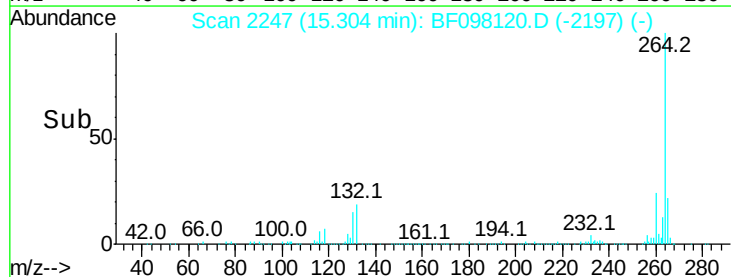
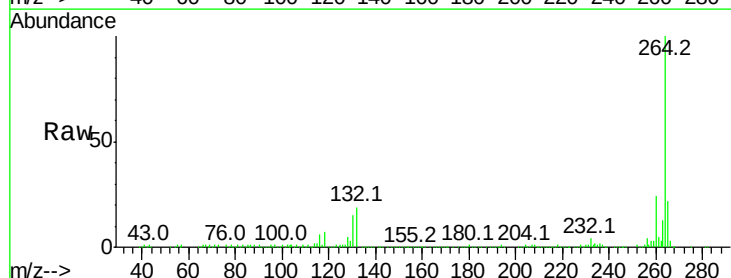
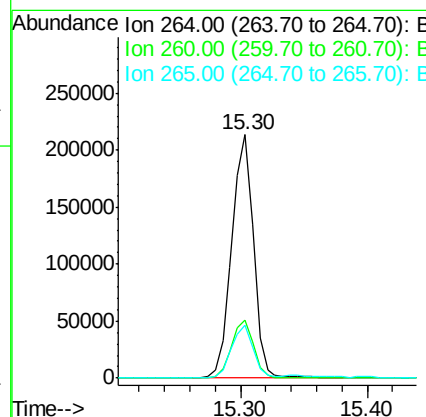
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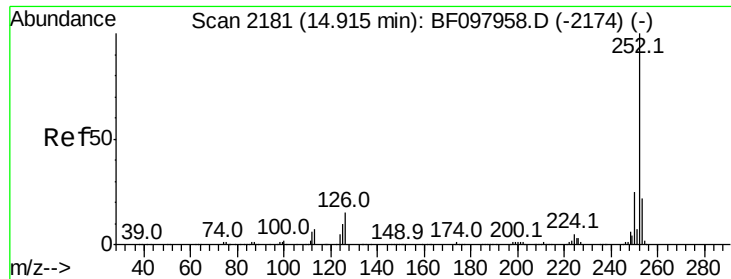
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF098120.D
Acq: 29 Aug 2017 19:36

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





#87

Benzo(b)fluoranthene

Concen: 6.484 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BF098120.D

Acq: 29 Aug 2017 19:36

Instrument :

BNA_F

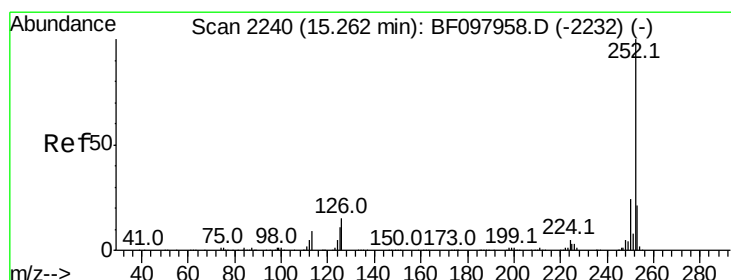
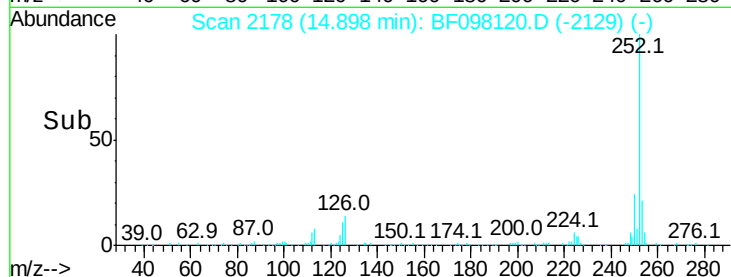
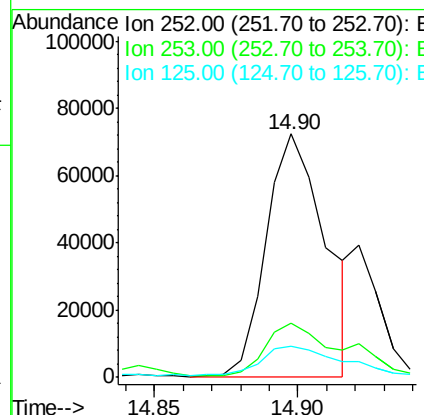
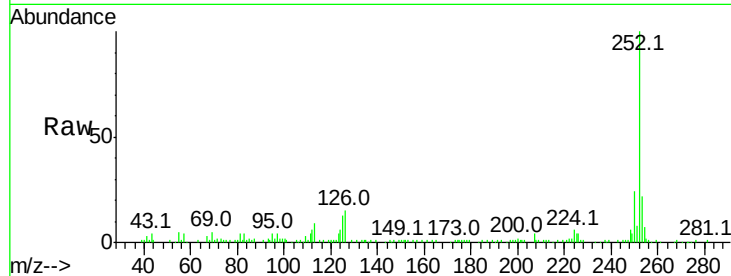
ClientSampleId :

BERGEN-GEN-S3-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	12.8	9.8	14.8

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 4.795 ng

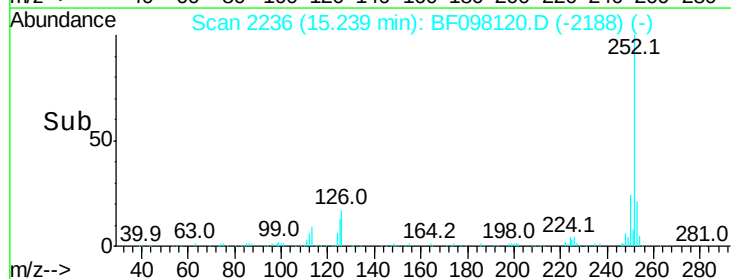
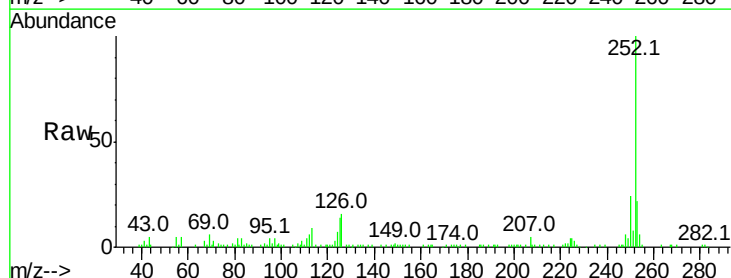
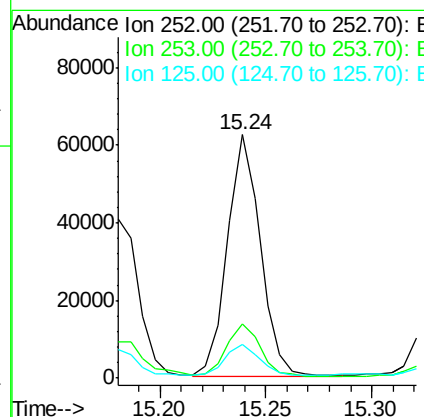
RT: 15.24 min Scan# 2236

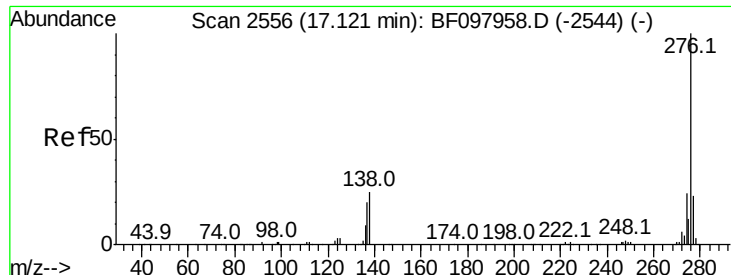
Delta R.T. -0.02 min

Lab File: BF098120.D

Acq: 29 Aug 2017 19:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	14.0	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.702 ng
 RT: 17.08 min Scan# 2549
 Delta R.T. -0.03 min
 Lab File: BF098120.D
 Acq: 29 Aug 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 BERGEN-GEN-S3-COMP

Tot Ion:	276	Resp:	32451
Ion Ratio	Lower	Upper	
276	100		
277	22.9	18.6	28.0
138	26.9	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 8/30/2017 6:45:00 PM

