

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097914.D
 Acq On : 21 Aug 2017 19:23
 Operator : SJ/JU
 Sample : I4847-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PVSC-A-COMP

Manual Integrations
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 8/22/2017 5:44:32 PM

Quant Time: Aug 22 05:25:29 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	124039	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	490859	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	208691	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	354027	20.00	ng	0.00
75) Chrysene-d12	13.89	240	256898	20.00	ng	0.00
86) Perylene-d12	15.32	264	216217	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	799074	97.99	ng	0.00
7) Phenol-d6	6.39	99	1107067	99.92	ng	0.00
23) Nitrobenzene-d5	7.31	82	695238	76.94	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	174359	96.29	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	888128	62.53	ng	0.00
78) Terphenyl-d14	12.85	244	574109	46.60	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.50	163	133223	8.733	ng	99
70) Phenanthrene	11.29	178	262561	13.918	ng	99
71) Anthracene	11.34	178	71486	3.736	ng	99
74) Fluoranthene	12.47	202	335581	17.043	ng	98
77) Pyrene	12.70	202	313806	14.935	ng	98
80) Benzo(a)anthracene	13.89	228	138689	9.008	ng	97
82) Chrysene	13.92	228	136412	8.906	ng	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	21870	2.450	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.69	276	45256	4.017	ng	# 91
87) Benzo(b)fluoranthene	14.91	252	146673m	10.762	ng	
88) Benzo(k)fluoranthene	14.93	252	41262m	3.223	ng	
89) Benzo(a)pyrene	15.25	252	96437	7.993	ng	95
91) Benzo(a,h,i)perylene	17.10	276	44072	4.300	ng	92

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

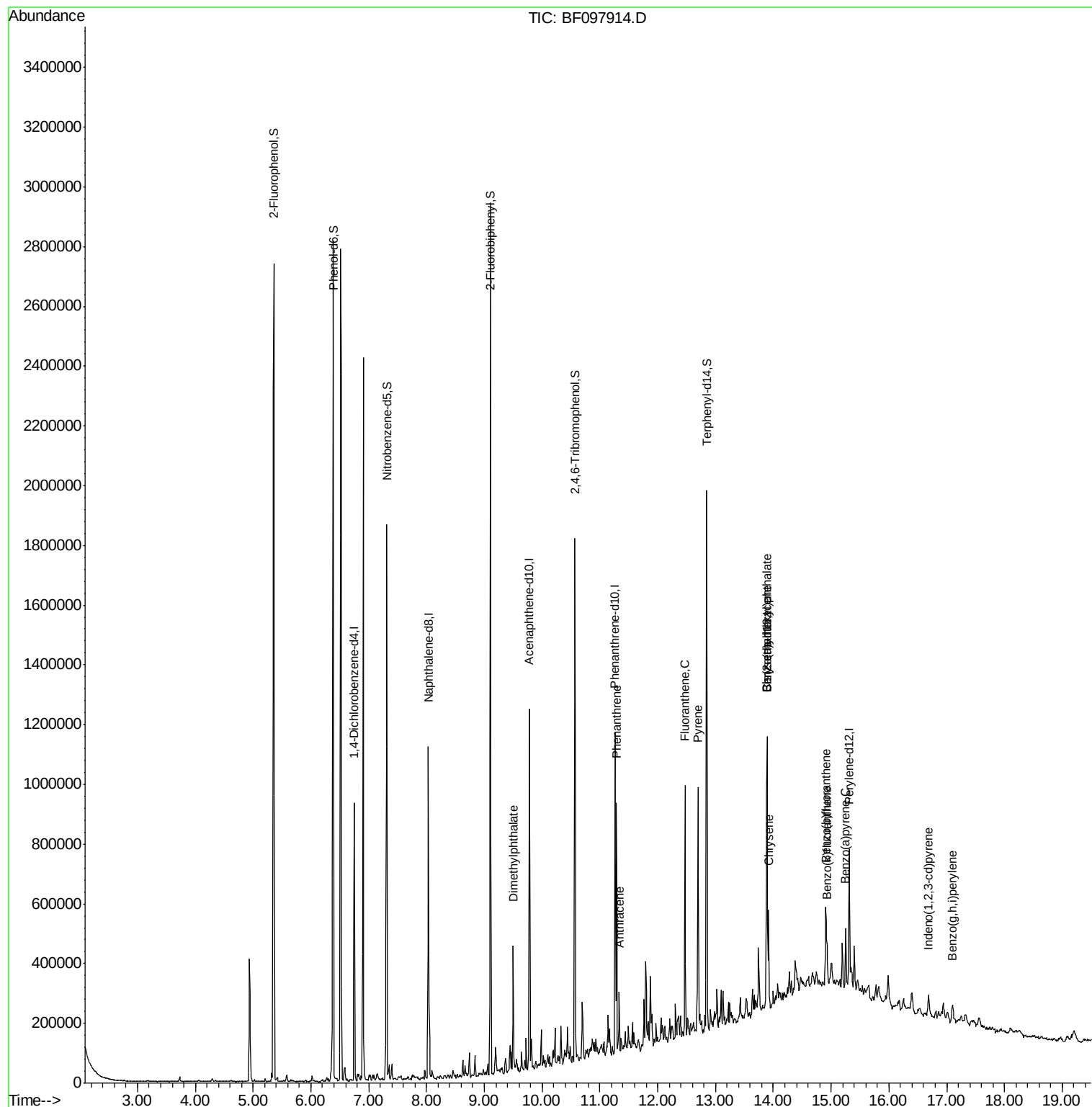
Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
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Sample : I4847-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

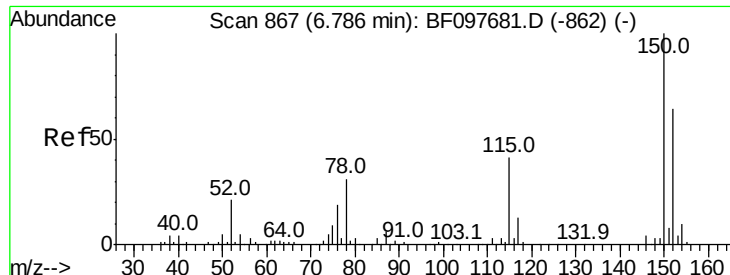
Instrument :
BNA_F
ClientSampleId :
PVSC-A-COMP

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#1

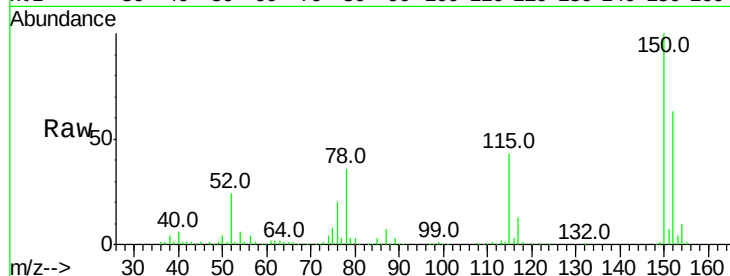
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Instrument :
BNA_F
ClientSampleId :
PVSC-A-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.2	189.2
115	68.7	52.2	78.2

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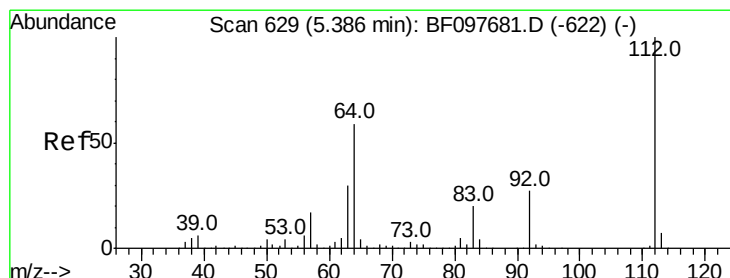
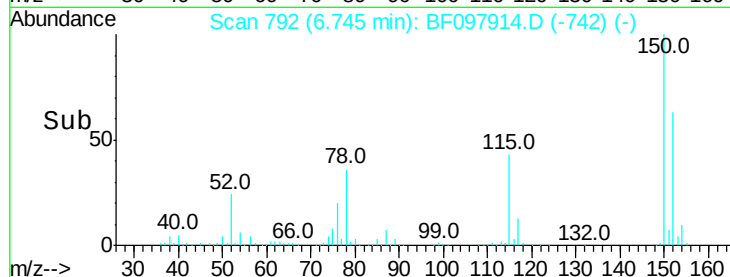
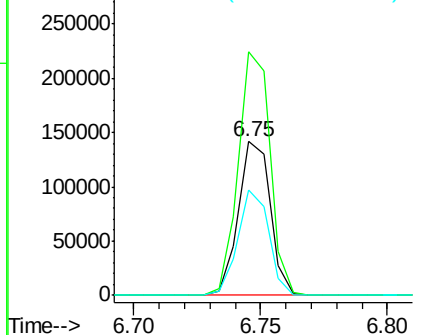


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

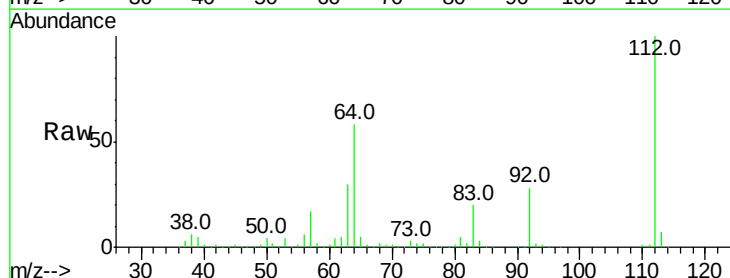
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 97.989 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.0	69.0
63	30.1	23.4	35.0

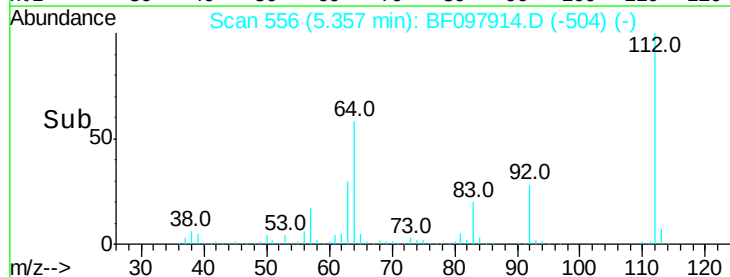
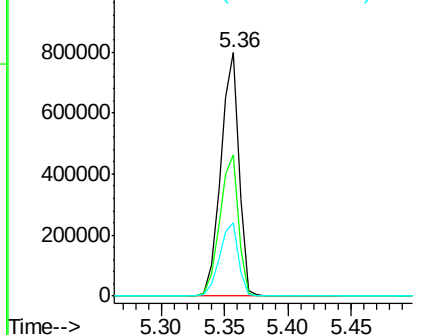


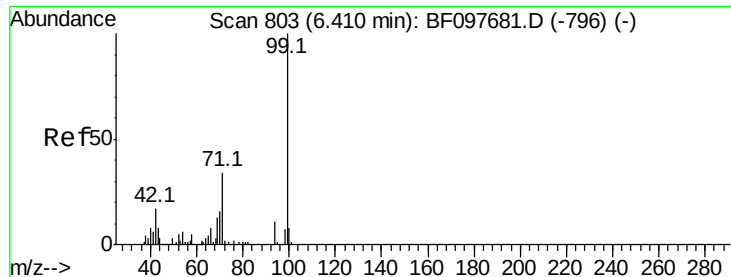
Abundance

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: 99.917 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

Instrument :

BNA_F

ClientSampleId :

PVSC-A-COMP

Tot Ion: 99 Resp: 1107067

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

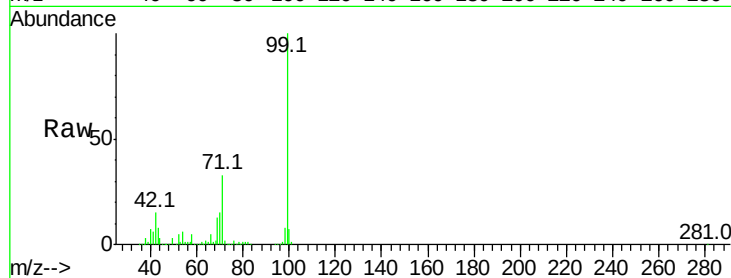
71 32.7 24.5 36.7

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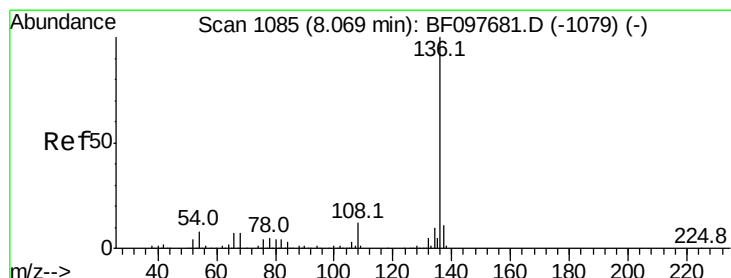
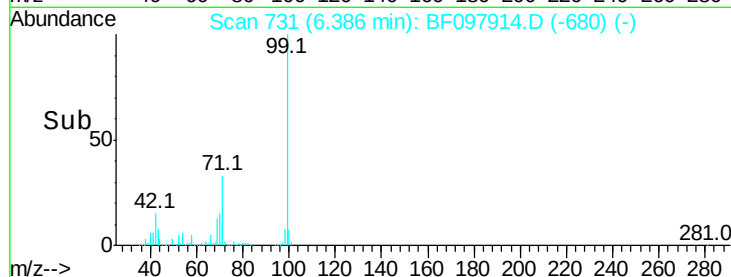
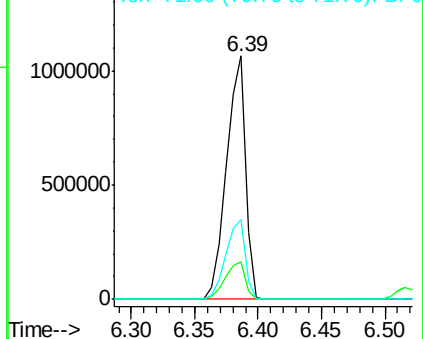
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: BF097914.D

Acq: 21 Aug 2017 19:23

Tgt Ion: 136 Resp: 490859

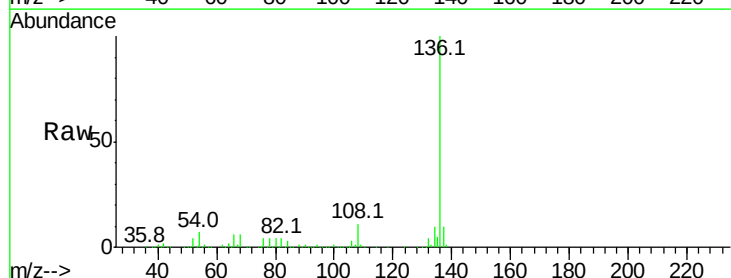
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.9 4.9 7.3

68 6.4 4.1 6.1#

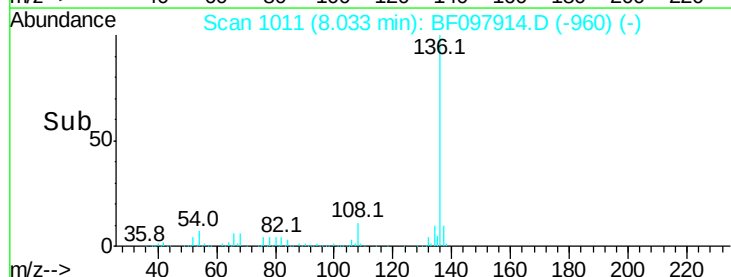
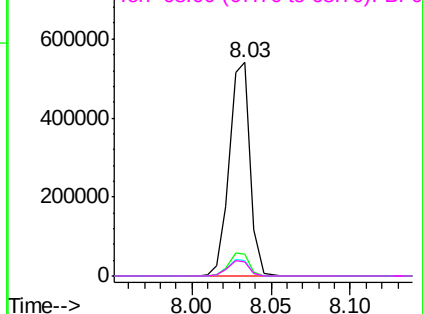


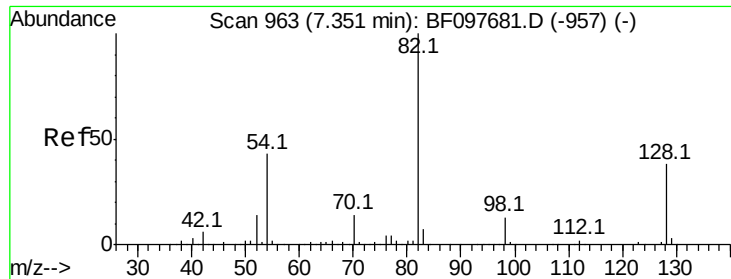
Abundance Ion 136.00 (135.70 to 136.70): E

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





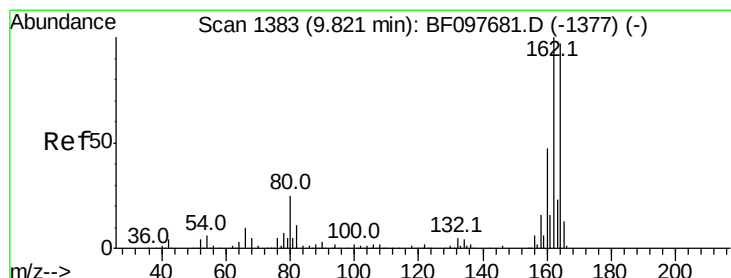
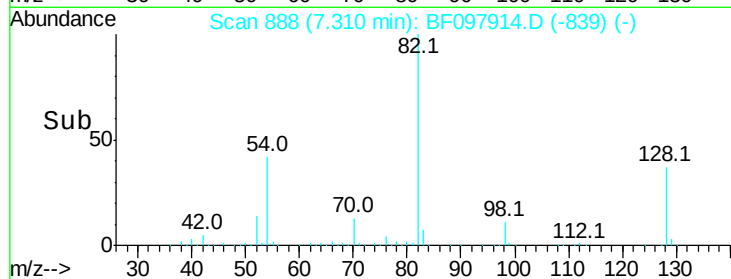
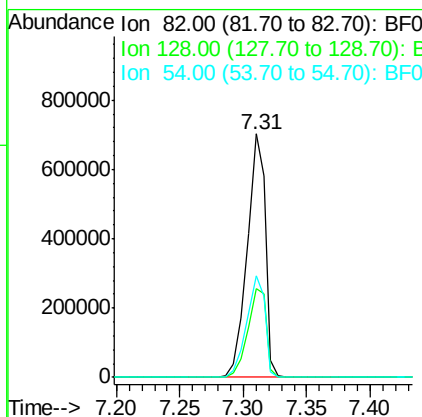
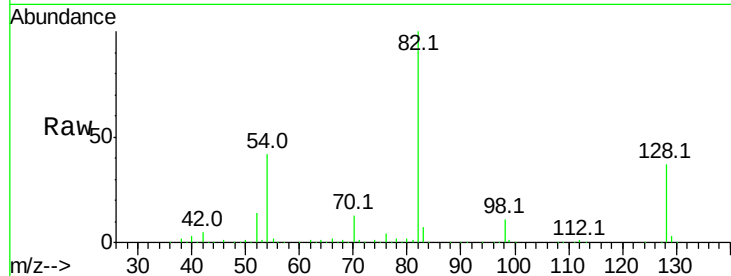
#23
 Nitrobenzene-d5
 Concen: 76.944 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF097914.D
 Acq: 21 Aug 2017 19:23

Instrument :
 BNA_F
 ClientSampleId :
 PVSC-A-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	36.7	34.0	51.0	
54	41.5	42.2	63.2	

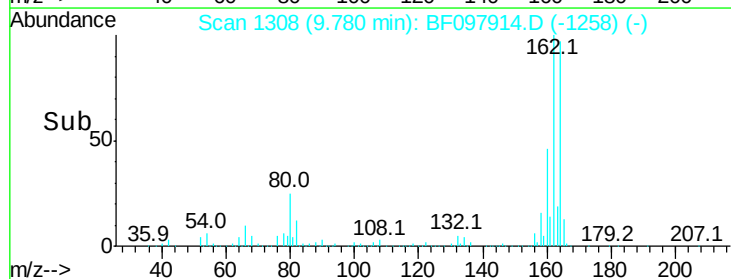
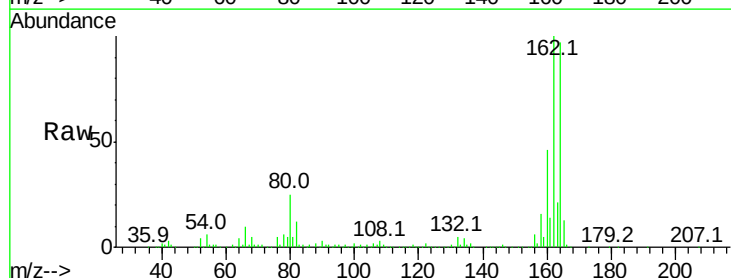
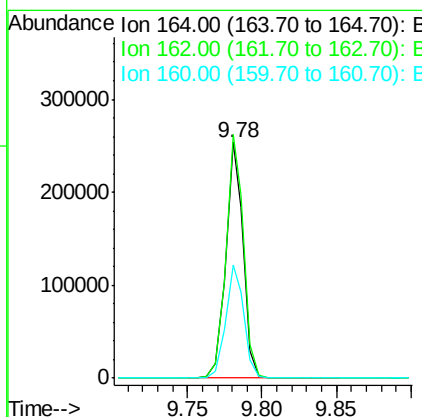
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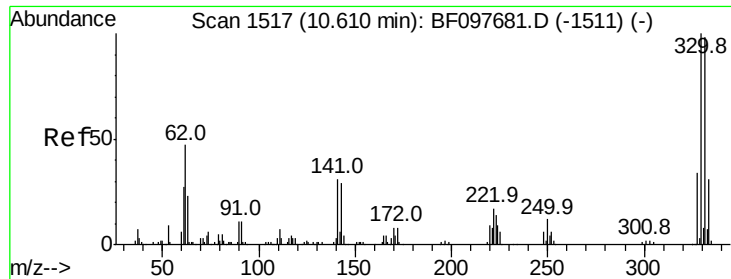
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF097914.D
 Acq: 21 Aug 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.5	82.6	123.8	
160	48.0	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 96.292 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

Instrument :

BNA_F

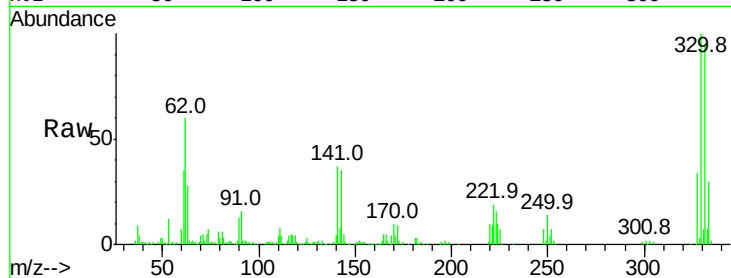
ClientSampleId :

PVSC-A-COMP

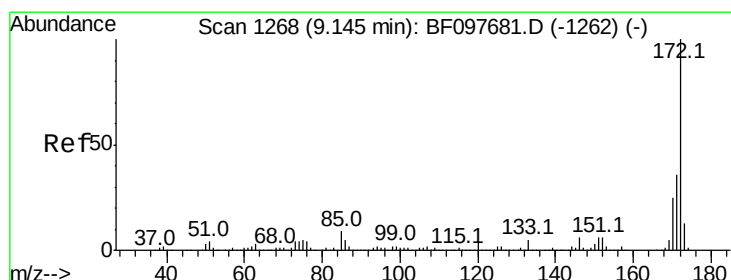
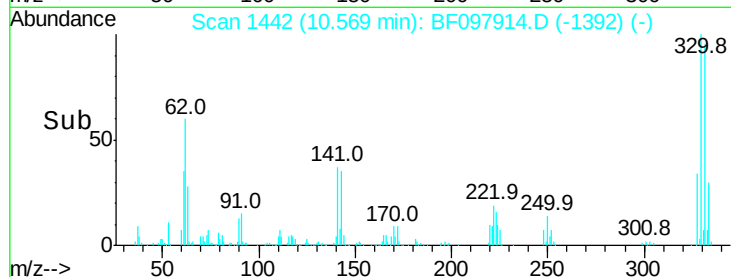
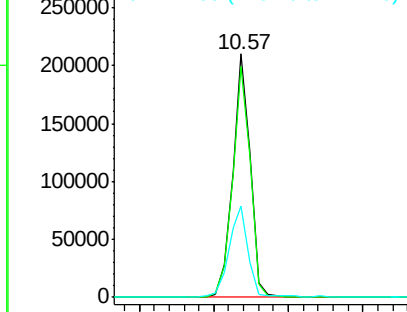
Tot Ion:	330	Resp:	174359
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.6	115.0
141	40.7	31.4	47.2

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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: 62.525 ng

RT: 9.11 min Scan# 1194

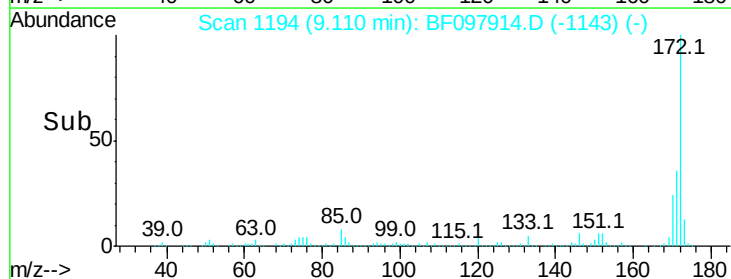
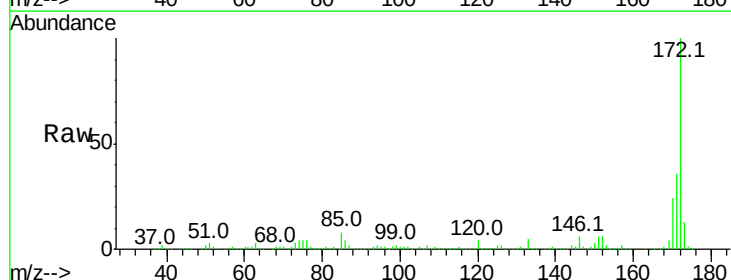
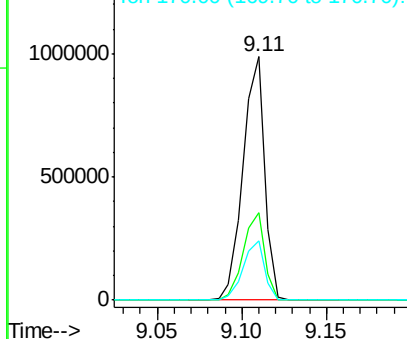
Delta R.T. -0.00 min

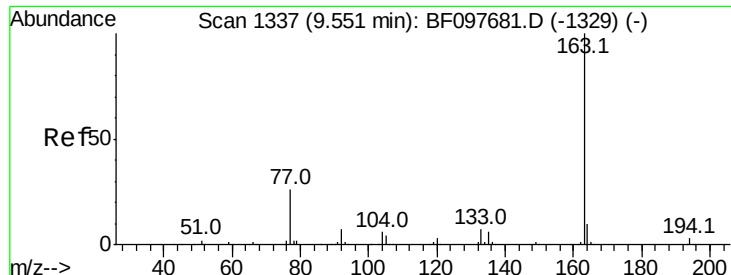
Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

Tgt Ion:	172	Resp:	888128
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.6	44.4
170	24.2	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





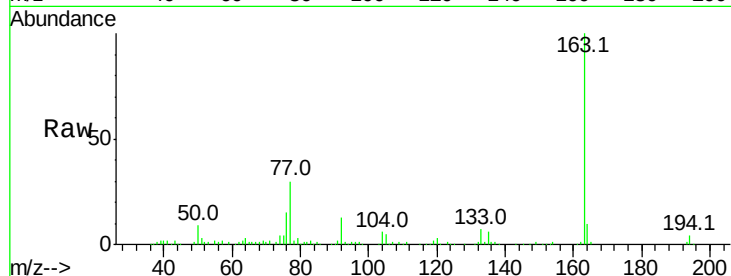
#49
Dimethylphthalate
Concen: 8.733 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Instrument :
BNA_F
ClientSampleId :
PVSC-A-COMP

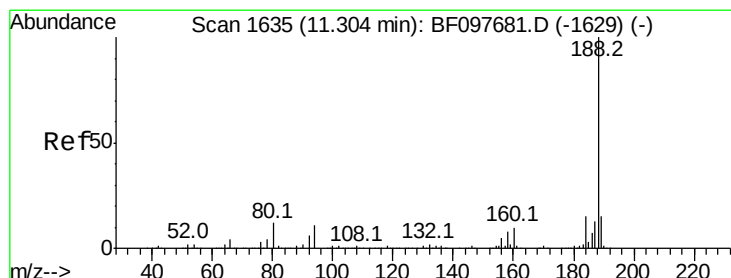
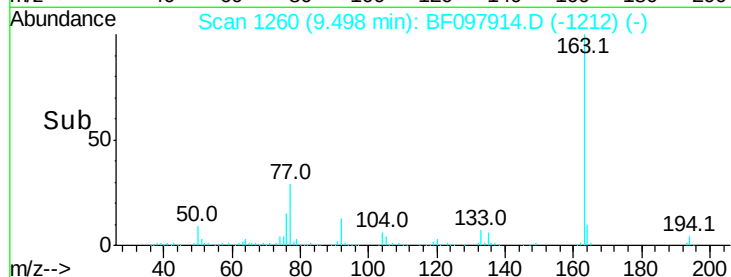
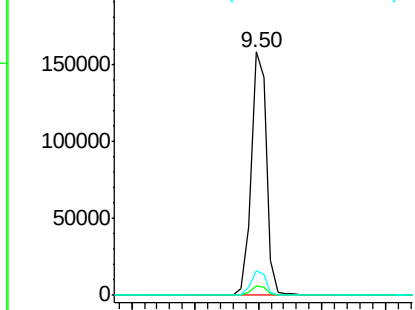
Tot Ion:	163	Resp:	133223
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.6	4.0
164	10.2	8.4	12.6

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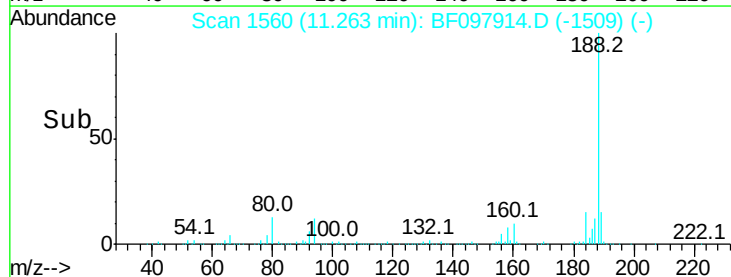
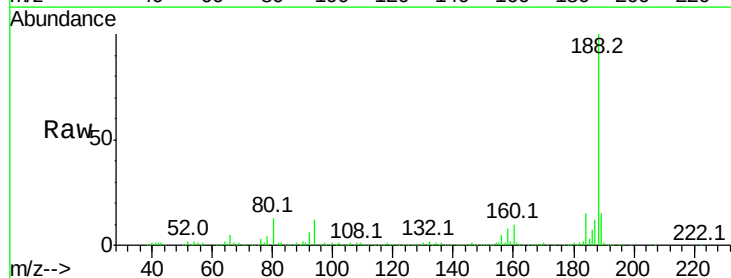
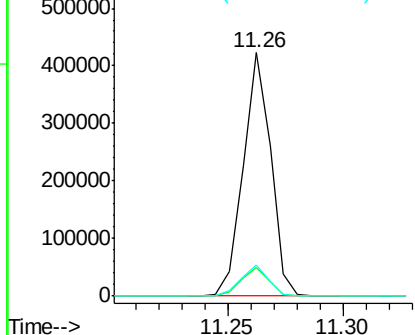
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

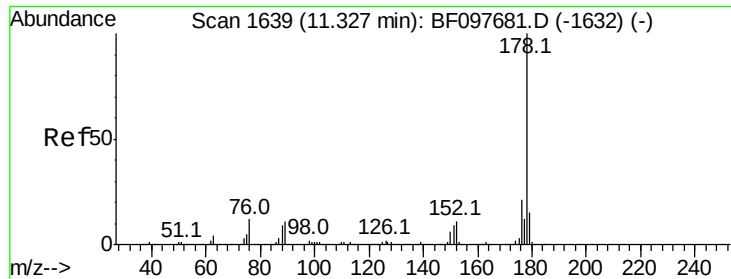


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Tgt Ion:	188	Resp:	354027
Ion Ratio	Lower	Upper	
188	100		
94	11.9	9.4	14.2
80	12.6	10.2	15.2

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





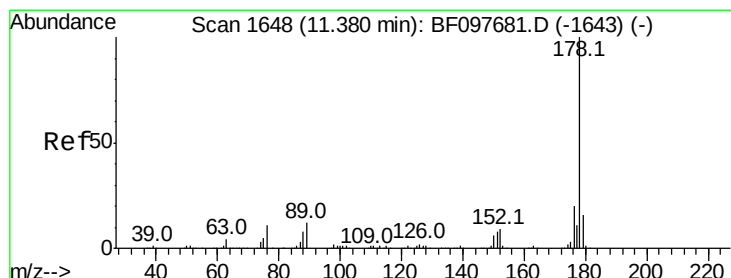
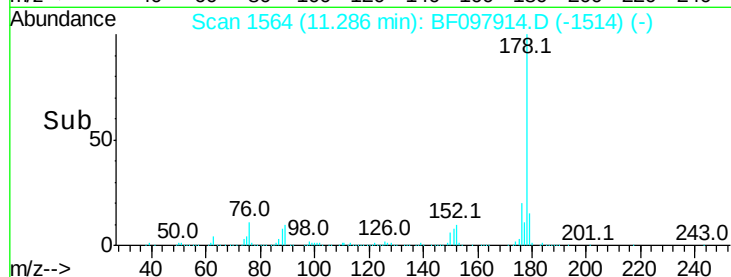
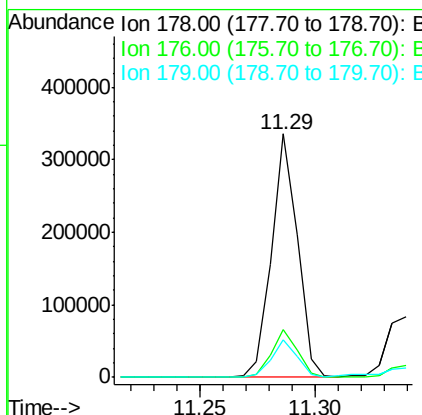
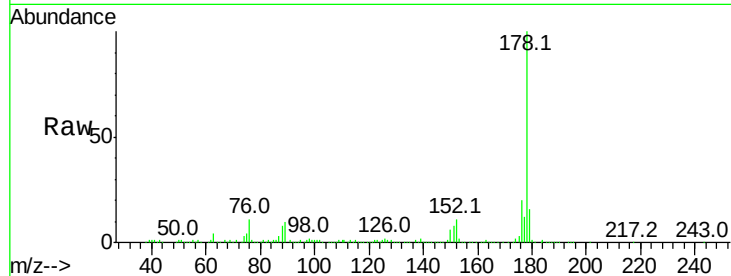
#70
Phenanthrene
Concen: 13.918 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Instrument :
BNA_F
ClientSampleId :
PVSC-A-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	15.5	12.6	19.0

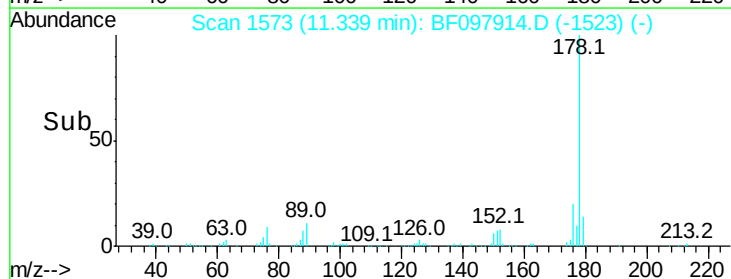
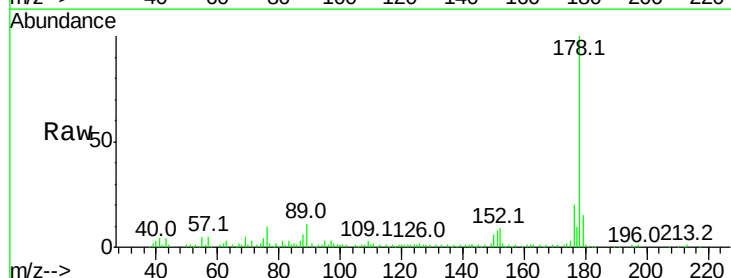
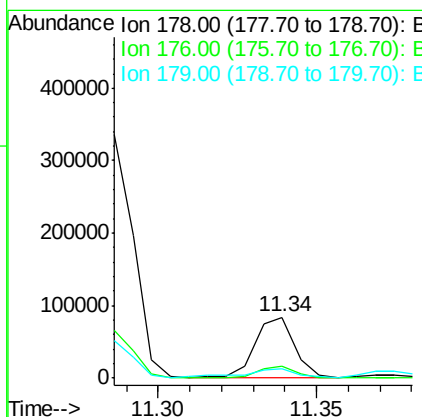
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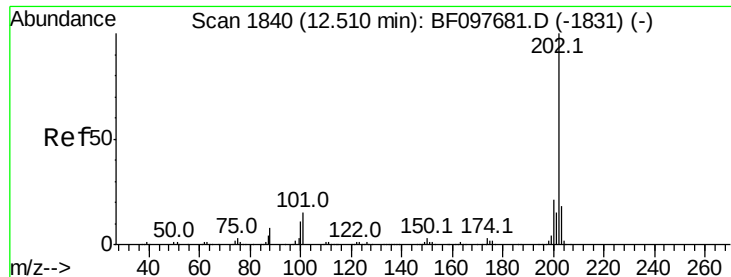
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#71
Anthracene
Concen: 3.736 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	14.7	12.7	19.1





#74

Fluoranthene

Concen: 17.043 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.00 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

Instrument :

BNA_F

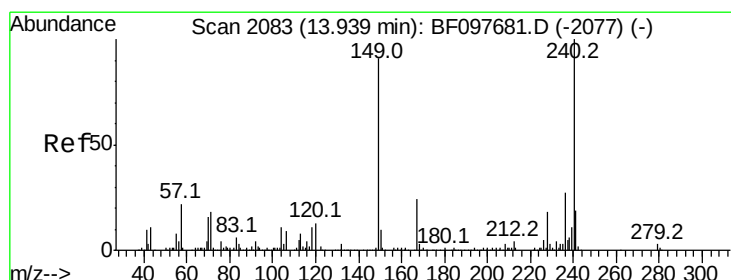
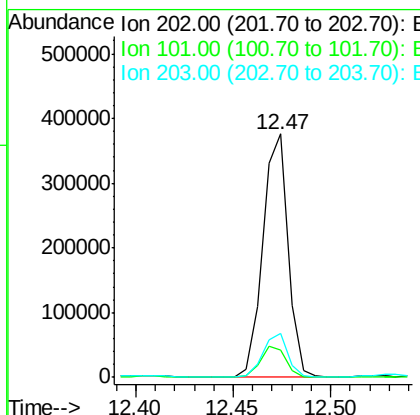
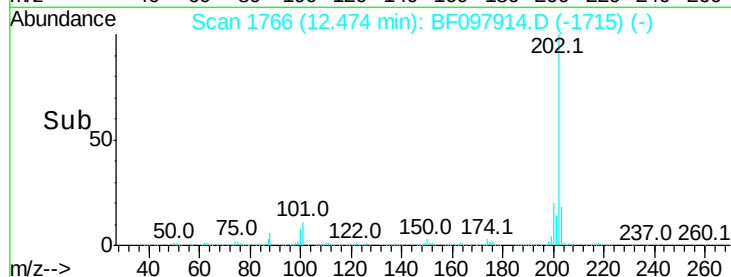
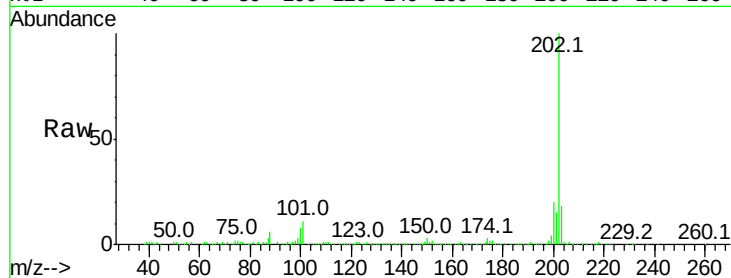
ClientSampleId :

PVSC-A-COMP

Tot Ion:	202	Resp:	335581
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	33.2
203	17.8	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

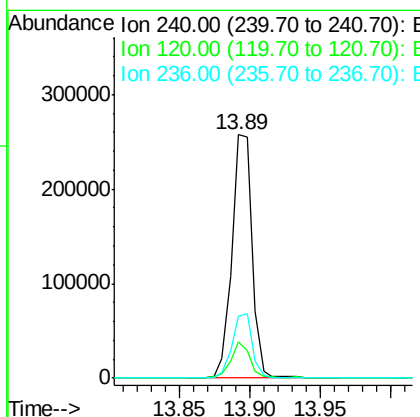
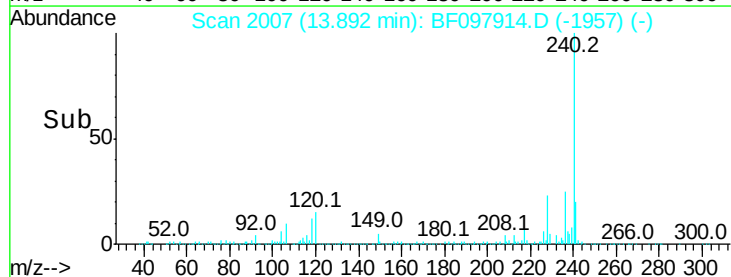
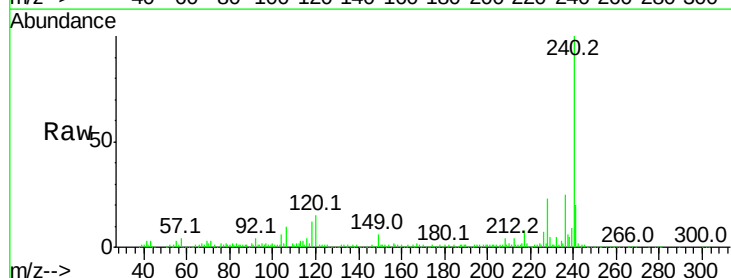
RT: 13.89 min Scan# 2007

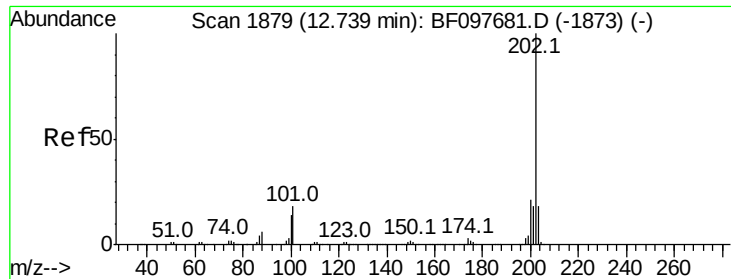
Delta R.T. -0.01 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

Tgt Ion:	240	Resp:	256898
Ion Ratio	Lower	Upper	
240	100		
120	14.8	5.8	8.8#
236	25.3	20.5	30.7





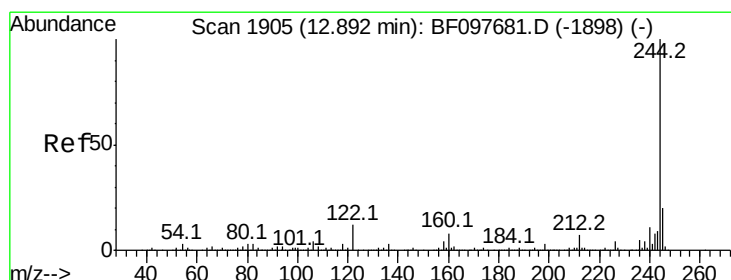
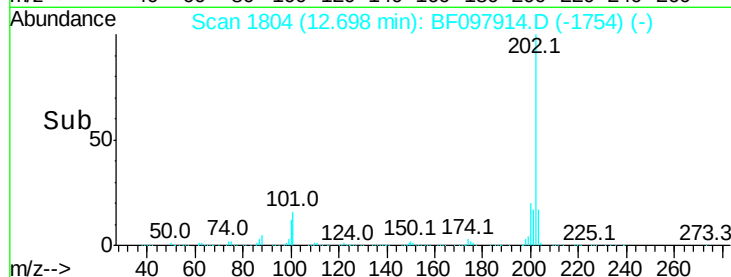
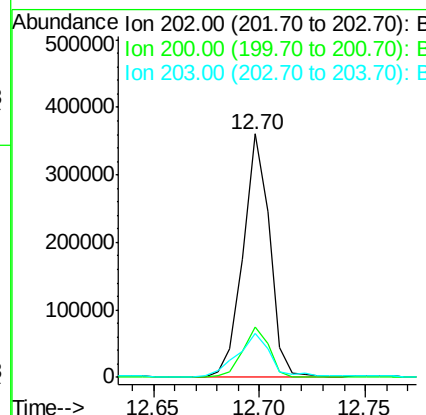
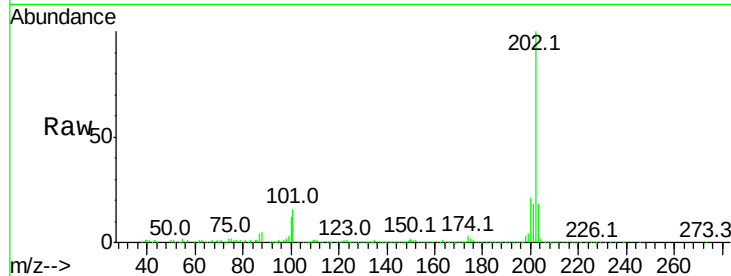
#77
Pvrene
Concen: 14.935 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Instrument :
BNA_F
ClientSampleId :
PVSC-A-COMP

Tot Ion:	202	Resp:	313806
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.6	26.4
203	17.9	14.4	21.6

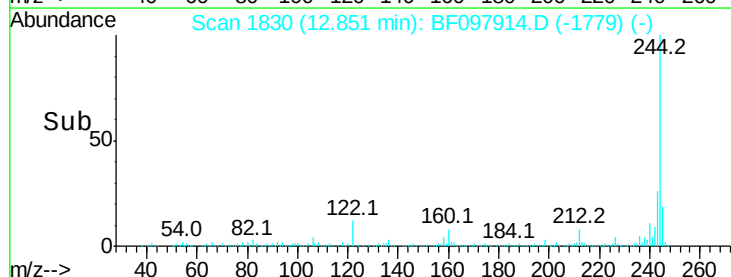
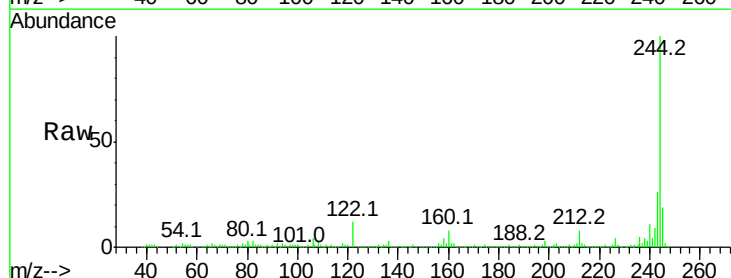
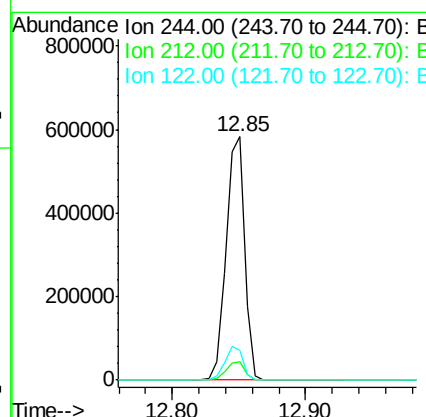
Manual Integrations
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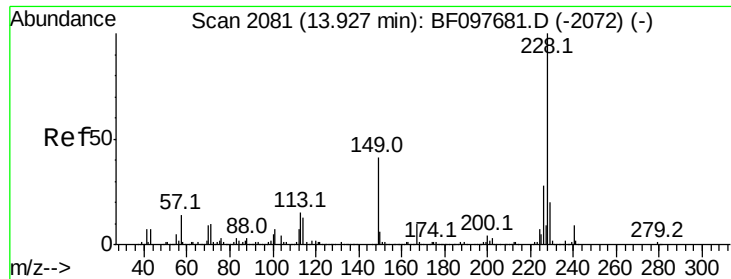
Sohil
8/22/2017 5:44:32 PM



#78
Terphenyl-d14
Concen: 46.603 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Tgt Ion:	244	Resp:	574109
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.0	9.0
122	12.1	10.3	15.5





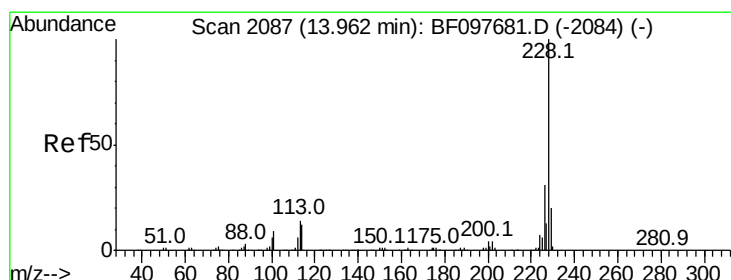
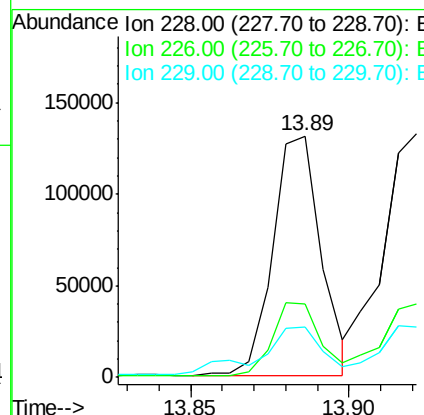
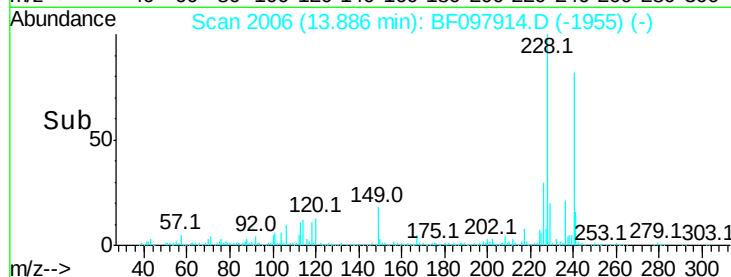
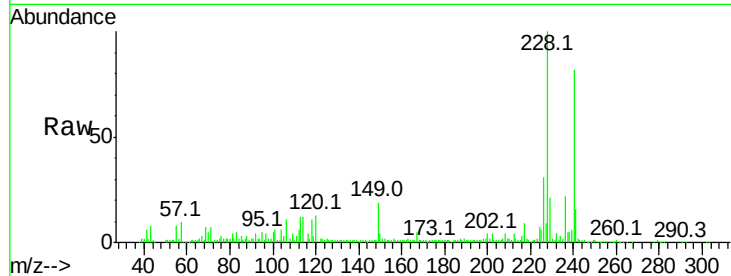
#80
Benzo(a)anthracene
Concen: 9.008 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Instrument :
BNA_F
ClientSampleId :
PVSC-A-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.6		22.6	33.8	
229	21.0		16.3	24.5	

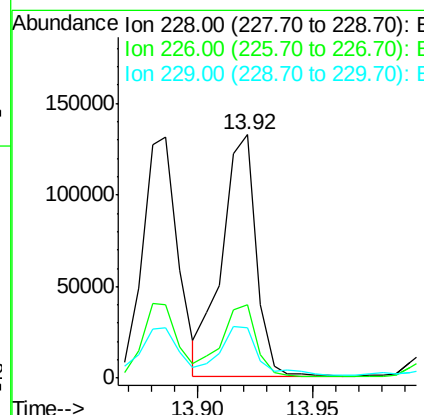
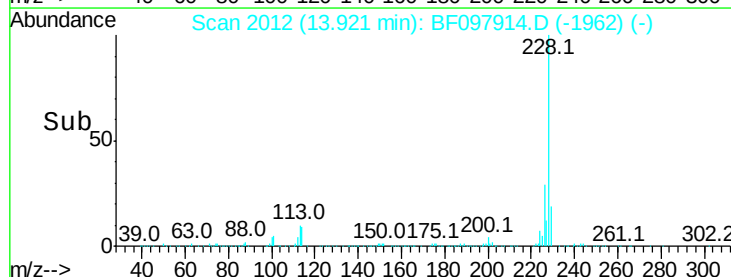
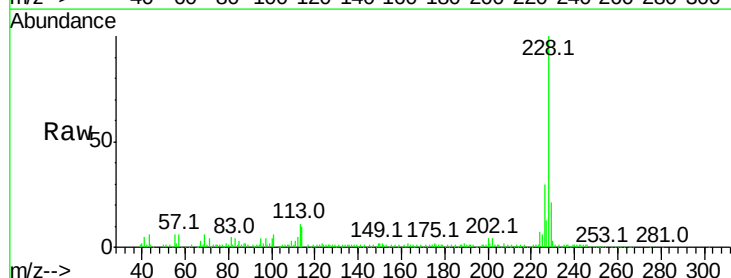
Manual Integrations
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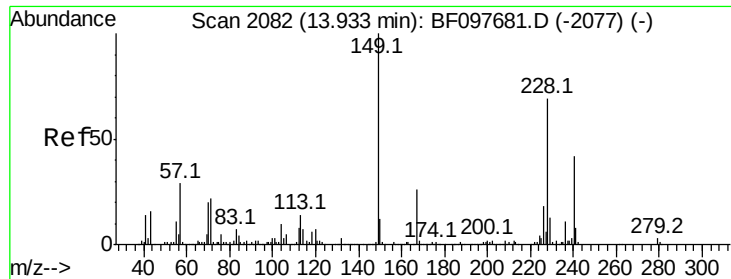
Sohil
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#82
Chrysene
Concen: 8.906 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.1		24.9	37.3	
229	20.9		15.8	23.6	





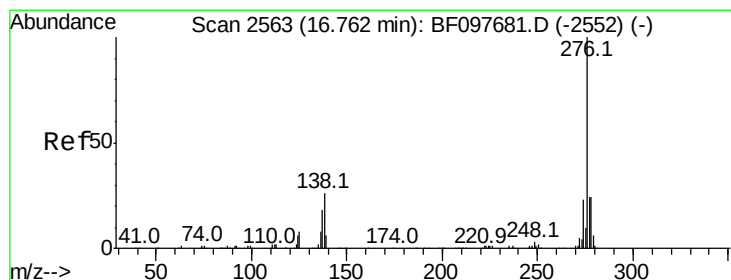
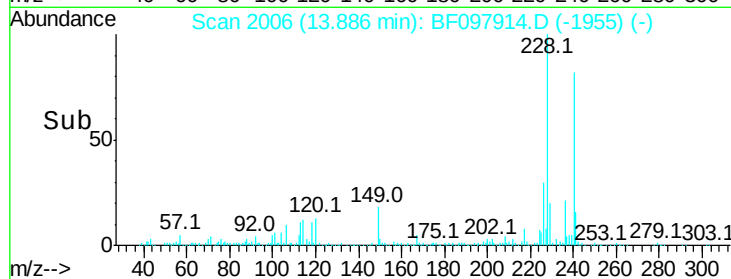
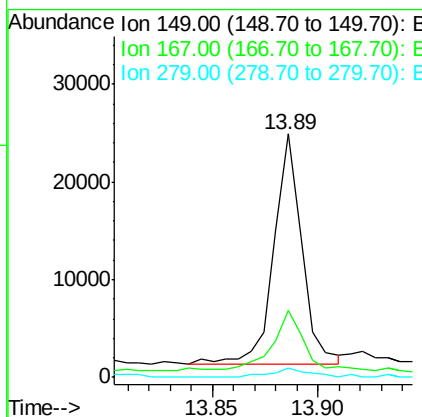
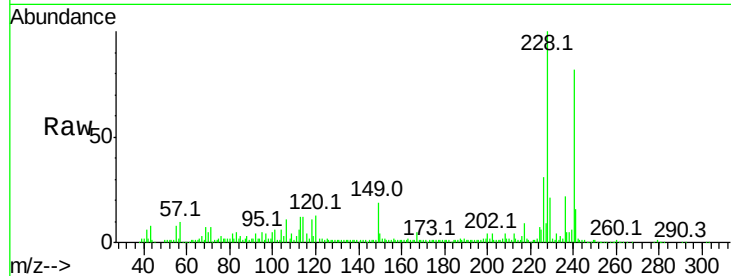
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.450 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF097914.D
 Acq: 21 Aug 2017 19:23

Instrument :
 BNA_F
 ClientSampleId :
 PVSC-A-COMP

Tot Ion:	149	Resp:	21870
Ion Ratio	Lower	Upper	
149	100		
167	27.4	21.0	31.4
279	4.0	1.9	2.9#

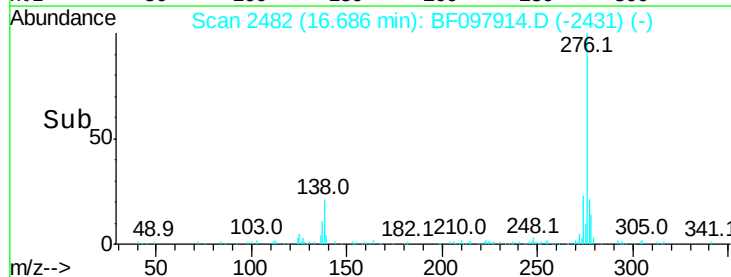
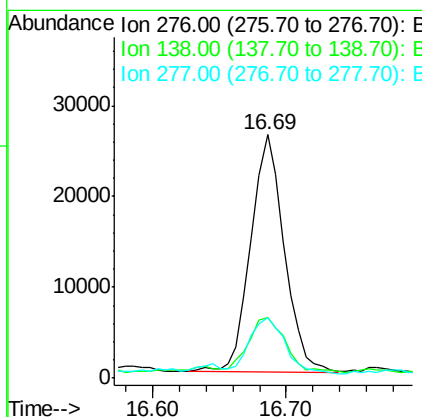
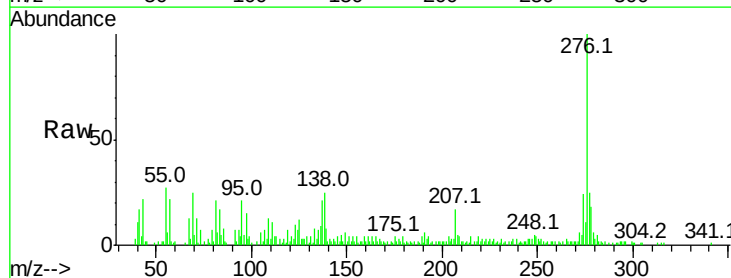
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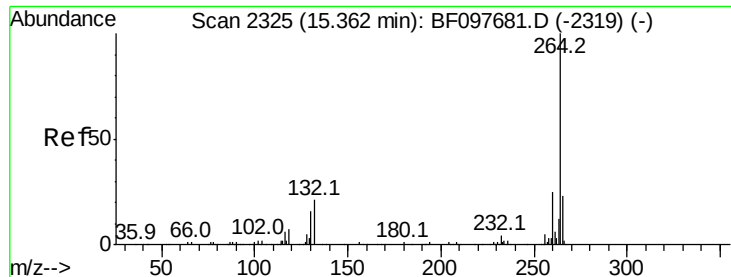
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.017 ng
 RT: 16.69 min Scan# 2482
 Delta R.T. -0.00 min
 Lab File: BF097914.D
 Acq: 21 Aug 2017 19:23

Tgt Ion:	276	Resp:	45256
Ion Ratio	Lower	Upper	
276	100		
138	25.4	27.8	41.6#
277	25.3	20.2	30.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2249

Delta R.T. 0.01 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

Instrument :

BNA_F

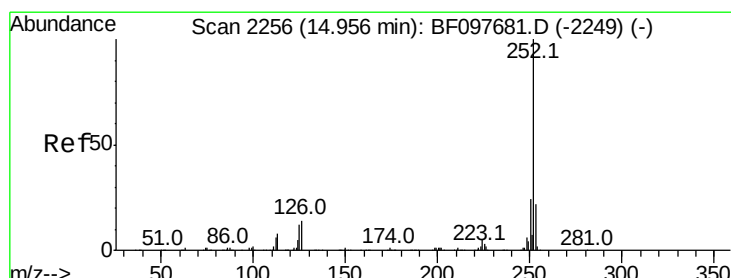
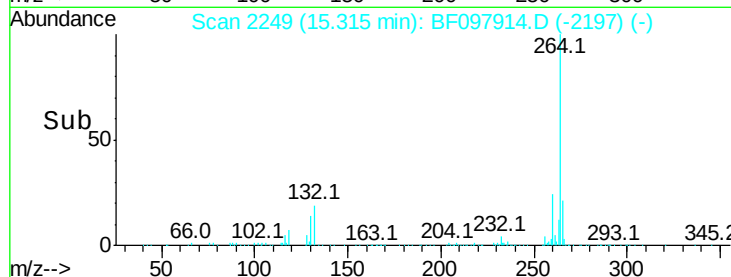
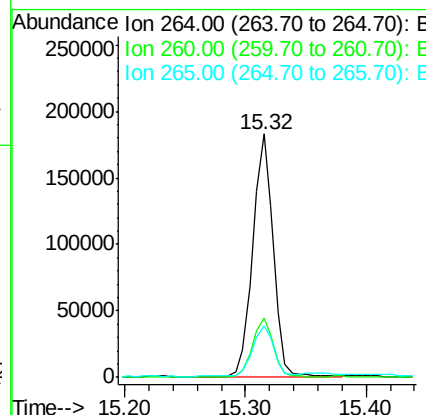
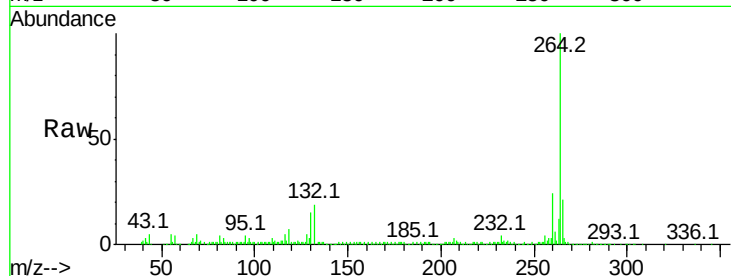
ClientSampleId :

PVSC-A-COMP

Tot Ion:	264	Resp:	216217
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	21.2	17.2	25.8

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 10.762 ng m

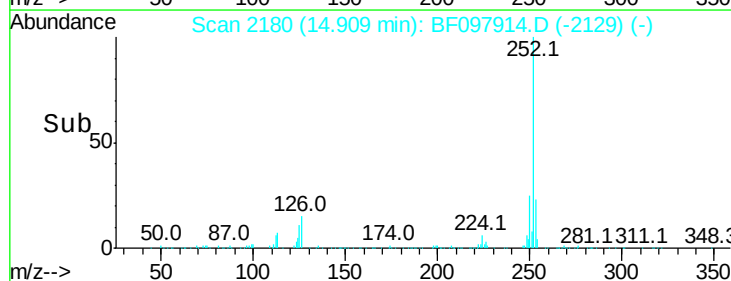
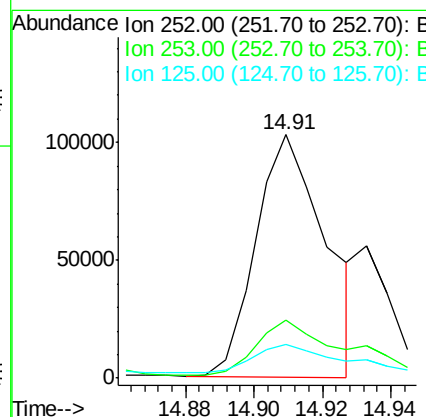
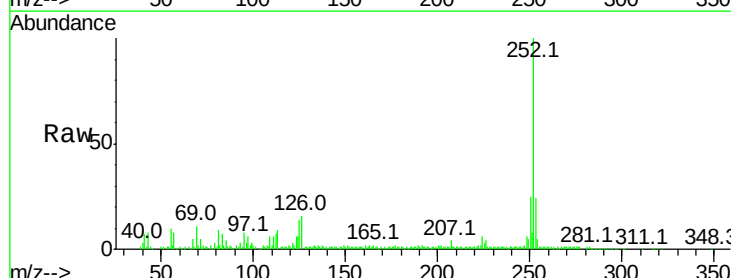
RT: 14.91 min Scan# 2180

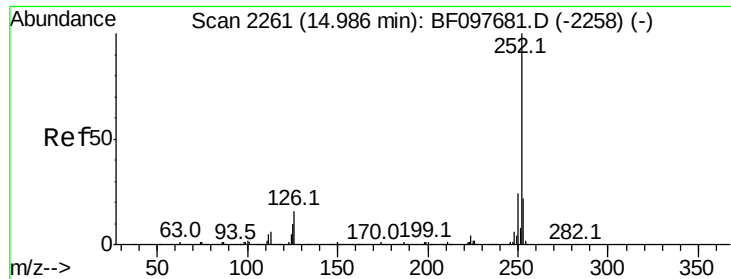
Delta R.T. -0.00 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

Tgt Ion:	252	Resp:	146673
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.1	27.1
125	13.7	9.8	14.8





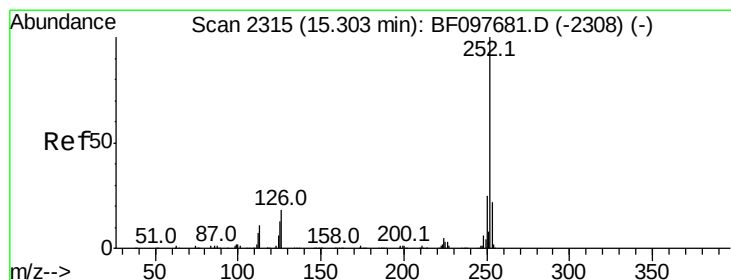
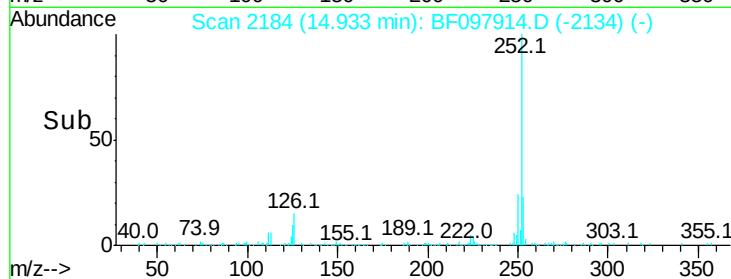
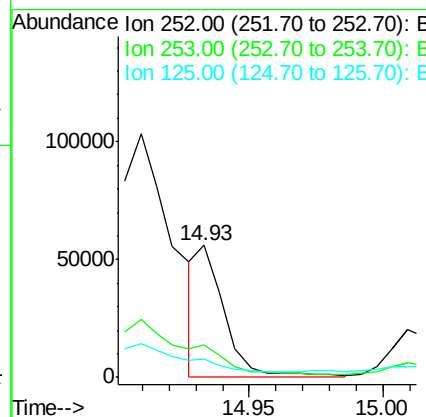
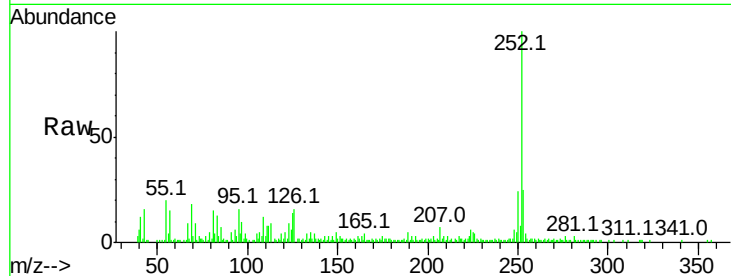
#88
Benzo(k)fluoranthene
Concen: 3.223 ng m
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Instrument :
BNA_F
ClientSampleId :
PVSC-A-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.4	27.6
125	13.9	13.1	19.7

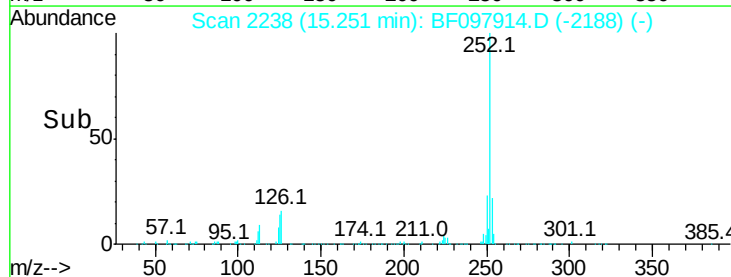
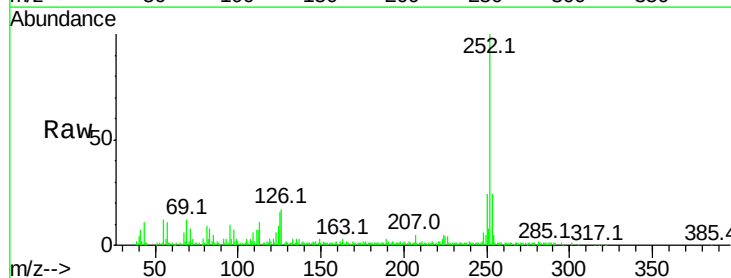
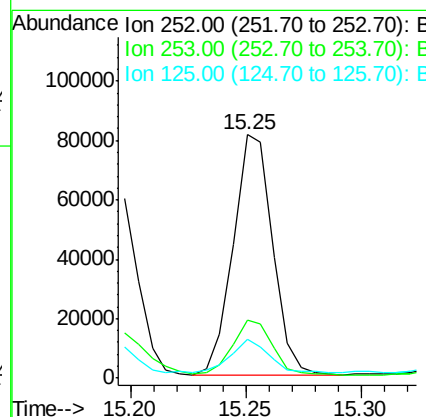
Manual Integrations
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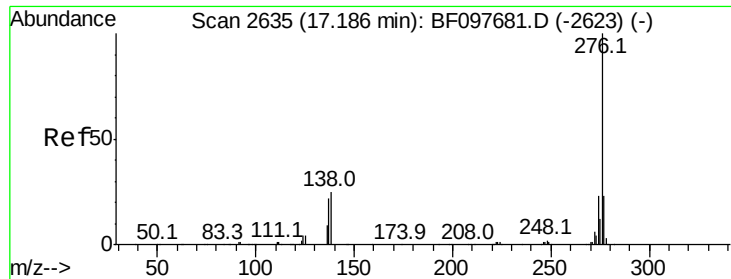
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#89
Benzo(a)pyrene
Concen: 7.993 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	15.9	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 4.300 ng
 RT: 17.10 min Scan# 2553
 Delta R.T. -0.01 min
 Lab File: BF097914.D
 Acq: 21 Aug 2017 19:23

Instrument :
 BNA_F
 ClientSampleId :
 PVSC-A-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.6	28.0
138	25.8	25.4	38.0

Manual Integrations
 APPROVED

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 8/22/2017 5:44:32 PM

