

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097247.D
 Acq On : 1 Aug 2017 22:28
 Operator : SJ/JU
 Sample : I4524-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-072817

Manual Integrations
 APPROVED

Sohil
 8/2/2017 7:15:28 PM

Quant Time: Aug 02 05:56:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	115274	20.00	ng	-0.04
21) Naphthalene-d8	7.75	136	449737	20.00	ng	-0.04
38) Acenaphthene-d10	9.49	164	164409	20.00	ng	-0.04
63) Phenanthrene-d10	10.96	188	227685	20.00	ng	-0.04
75) Chrysene-d12	13.59	240	213653	20.00	ng	-0.04
86) Perylene-d12	14.93	264	173915	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	621066	81.22	ng	-0.03
7) Phenol-d6	6.13	99	719346	82.40	ng	-0.04
23) Nitrobenzene-d5	7.03	82	421341	54.96	ng	-0.04
41) 2,4,6-Tribromophenol	10.28	330	93807	72.22	ng	-0.04
44) 2-Fluorobiphenyl	8.83	172	677704	69.96	ng	-0.04
78) Terphenyl-d14	12.55	244	416407	39.74	ng	-0.04
Target Compounds						
10) Phenol	6.15	94	33657	3.250	ng	Qvalue 86
49) Dimethylphthalate	9.22	163	175480	14.055	ng	99
70) Phenanthrene	10.99	178	41765	3.424	ng	97
74) Fluoranthene	12.17	202	93419	7.817	ng	95
77) Pyrene	12.39	202	85018	4.861	ng	99
80) Benzo(a)anthracene	13.57	228	44210	3.198	ng	97
82) Chrysene	13.62	228	47607	3.527	ng	94
87) Benzo(b)fluoranthene	14.58	252	52474m	5.019	ng	
88) Benzo(k)fluoranthene	14.60	252	20391m	2.047	ng	
89) Benzo(a)pyrene	14.88	252	36854	3.852	ng	# 95
91) Benzo(g,h,i)perylene	16.51	276	16885	2.052	ng	96

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

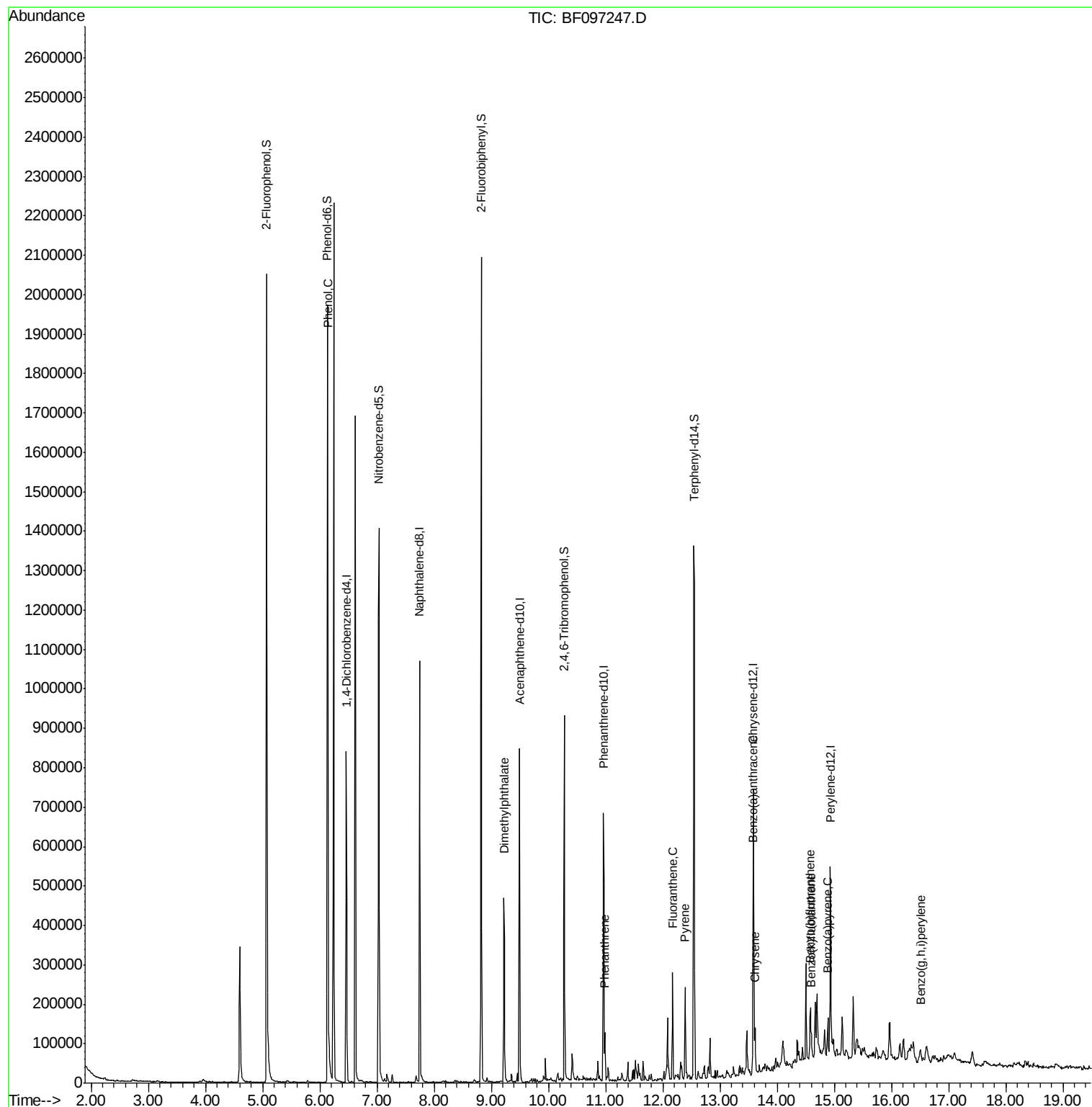
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
Data File : BF097247.D
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Sample : I4524-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

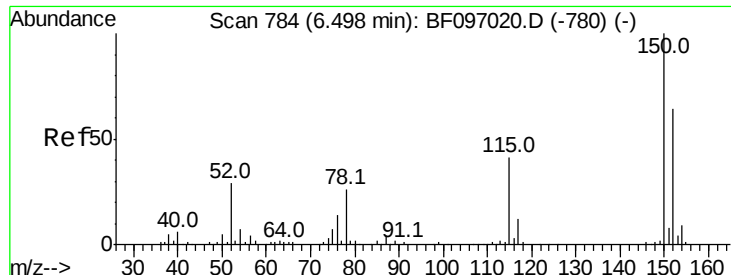
Instrument :
BNA_F
ClientSampleId :
SU-04-072817

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#1

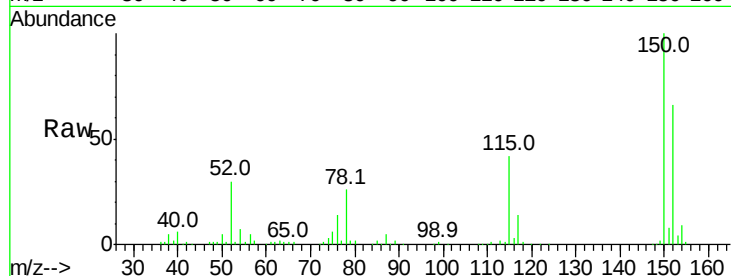
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.46 min Scan# 778
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Instrument :
BNA_F
ClientSampleId :
SU-04-072817

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.8	126.2	189.2
115	62.9	52.2	78.2

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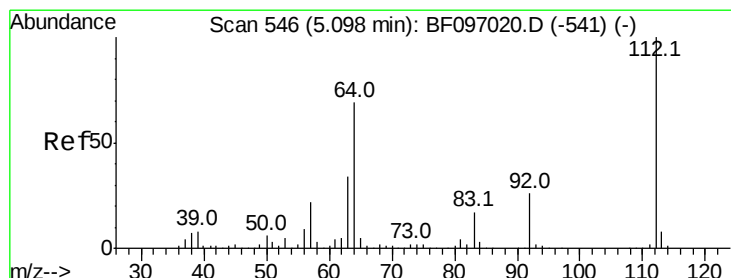
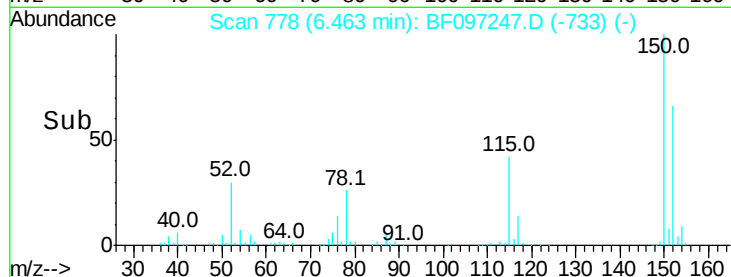
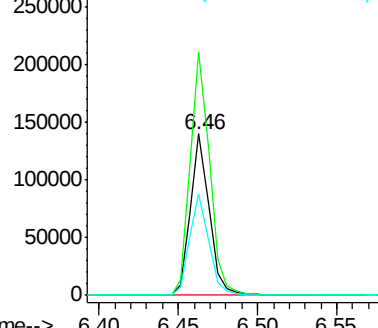


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

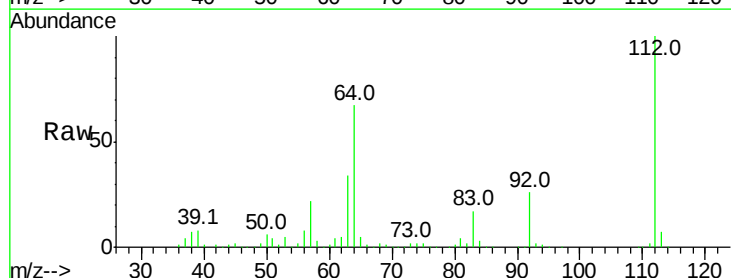
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 81.220 ng
RT: 5.07 min Scan# 541
Delta R.T. -0.03 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	46.0	69.0
63	34.3	23.4	35.0

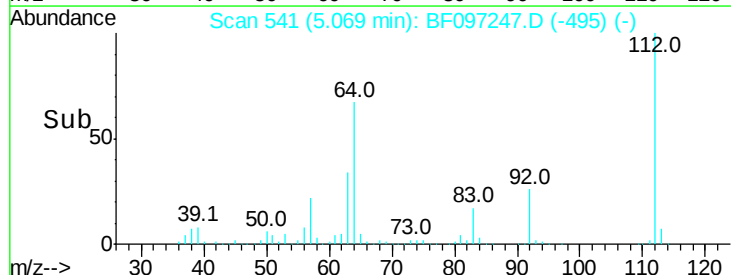
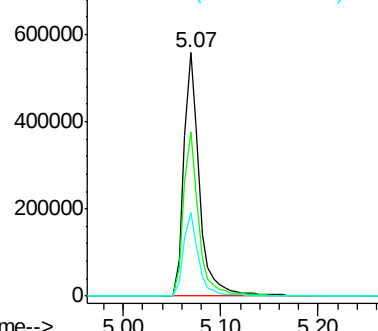


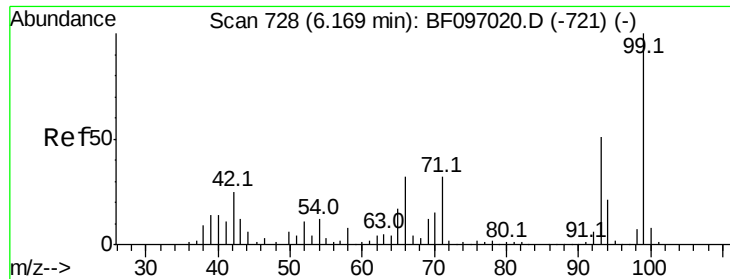
Abundance

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: 82.402 ng

RT: 6.13 min Scan# 722

Delta R.T. -0.04 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

Instrument :

BNA_F

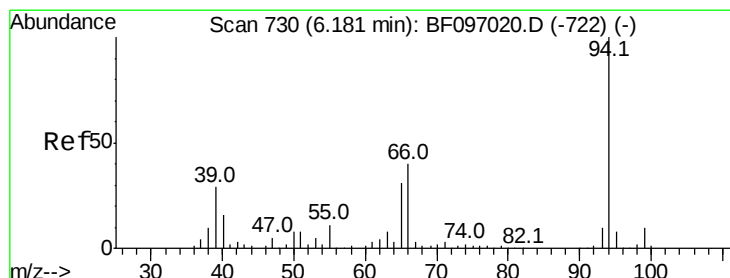
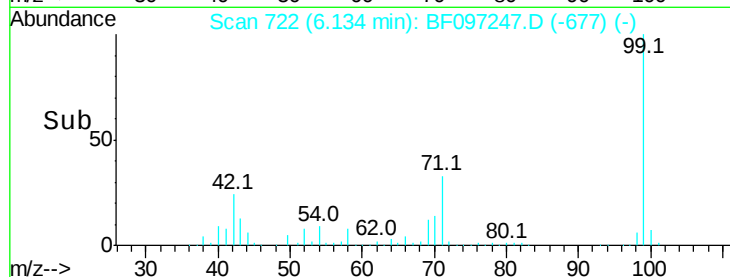
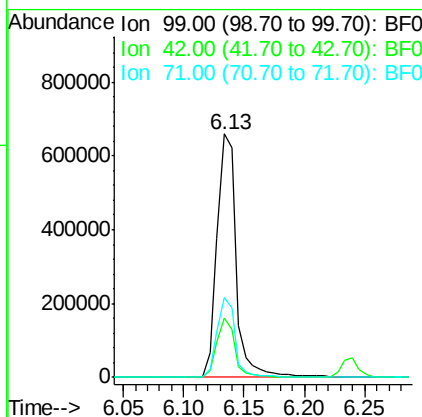
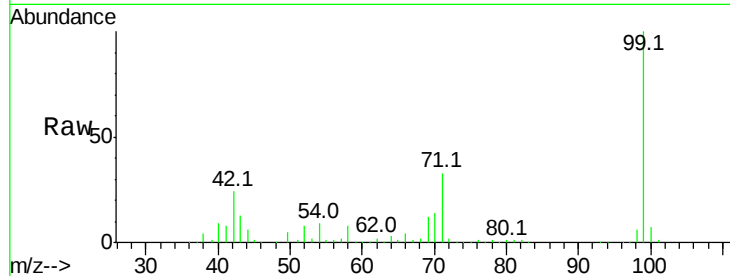
ClientSampleId :

SU-04-072817

Tot Ion:	99	Resp:	719346
Ion Ratio	Lower	Upper	
99	100		
42	24.2	13.5	20.3#
71	32.8	24.5	36.7

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#10

Phenol

Concen: 3.250 ng

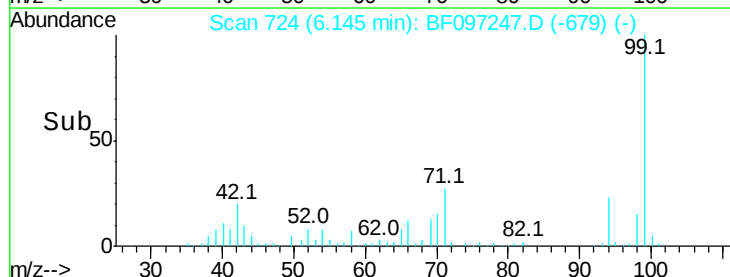
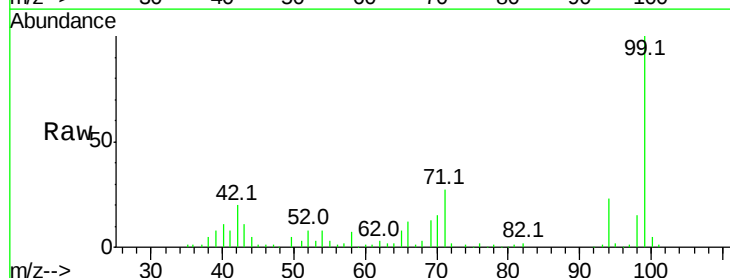
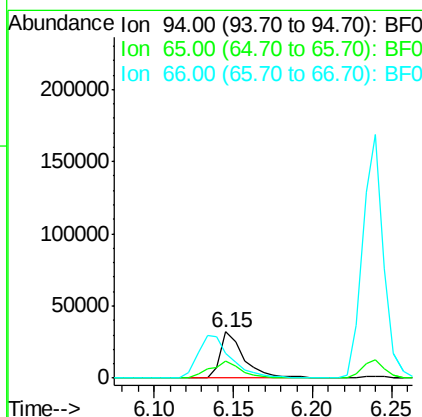
RT: 6.15 min Scan# 724

Delta R.T. -0.04 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

Tgt Ion:	94	Resp:	33657
Ion Ratio	Lower	Upper	
94	100		
65	36.3	9.9	49.9
66	52.7	23.1	63.1





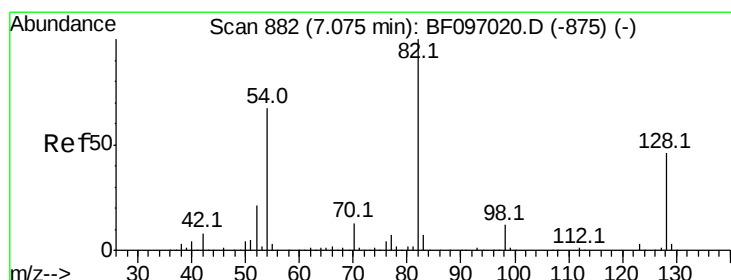
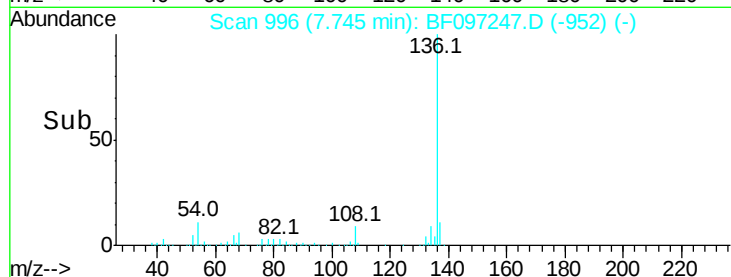
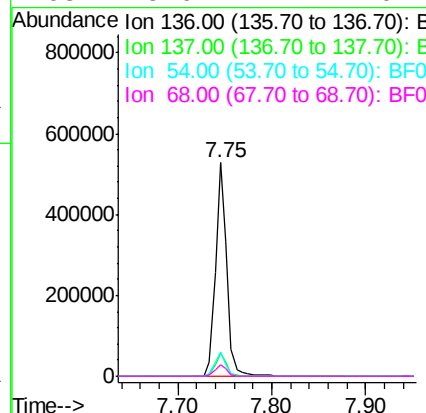
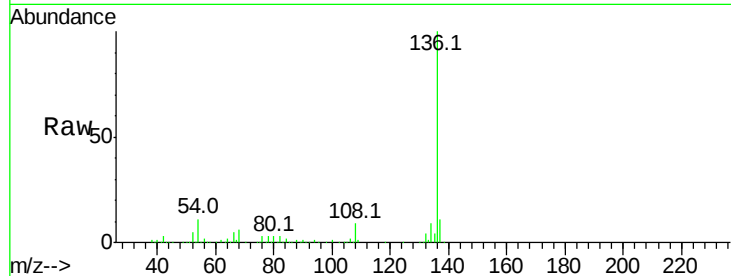
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.75 min Scan# 996
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Instrument :
BNA_F
ClientSampleId :
SU-04-072817

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.5	12.7	
54	11.3	4.9	7.3#	
68	5.6	4.1	6.1	

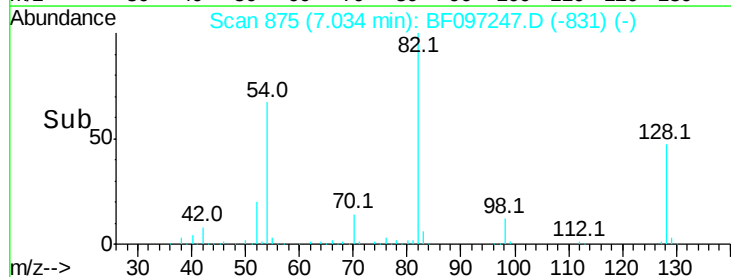
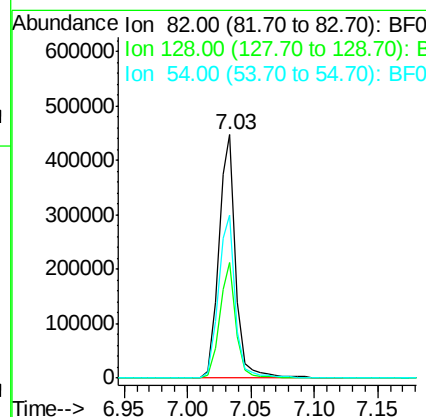
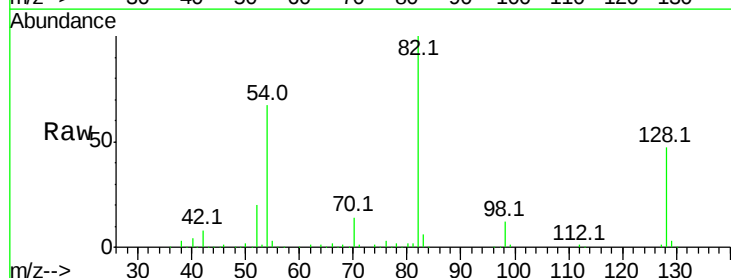
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#23
Nitrobenzene-d5
Concen: 54.960 ng
RT: 7.03 min Scan# 875
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.4	34.0	51.0	
54	66.8	42.2	63.2#	





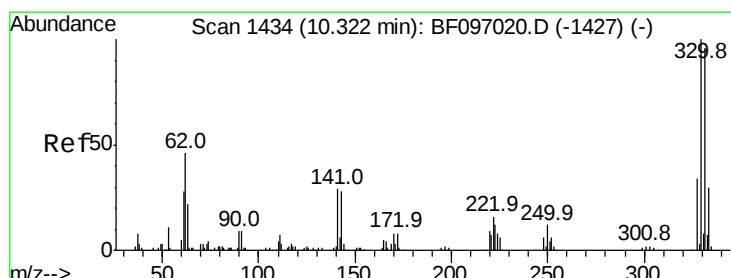
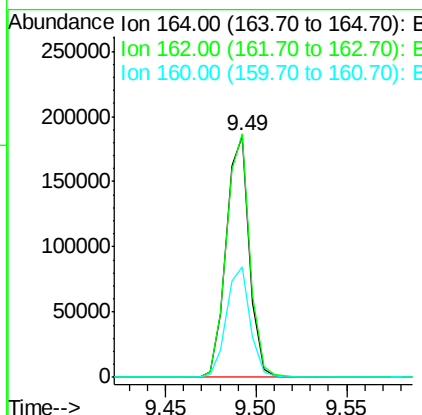
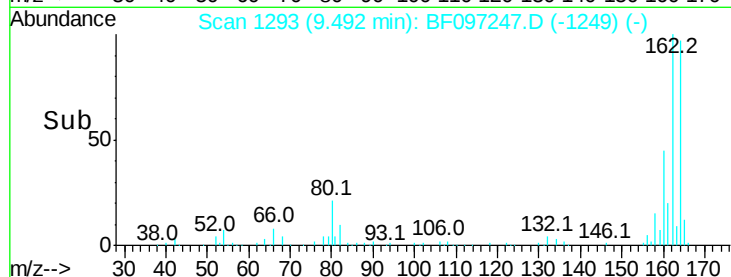
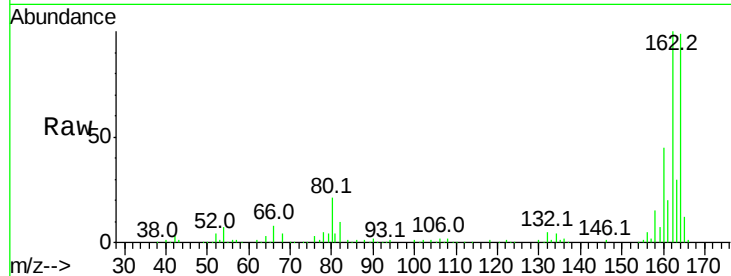
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.49 min Scan# 1293
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Instrument :
BNA_F
ClientSampleId :
SU-04-072817

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.6	123.8
160	45.7	36.2	54.2

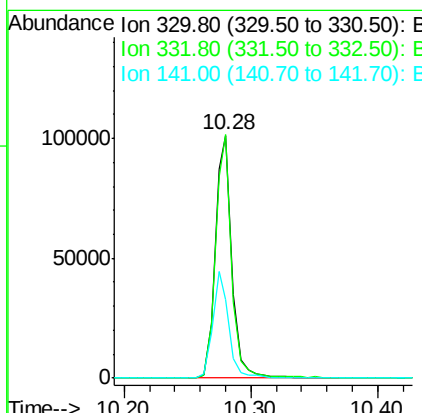
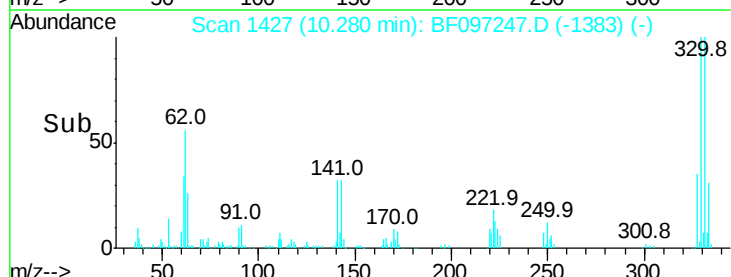
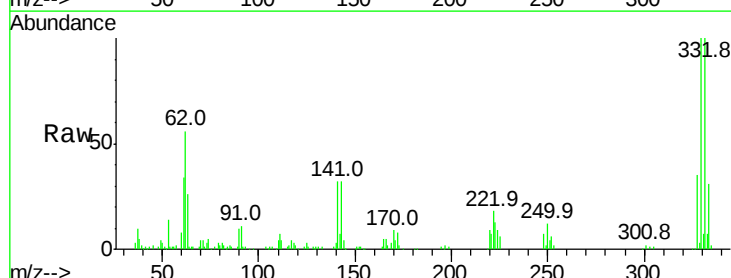
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#41
2,4,6-Tribromophenol
Concen: 72.215 ng
RT: 10.28 min Scan# 1427
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	115.0
141	42.0	31.4	47.2





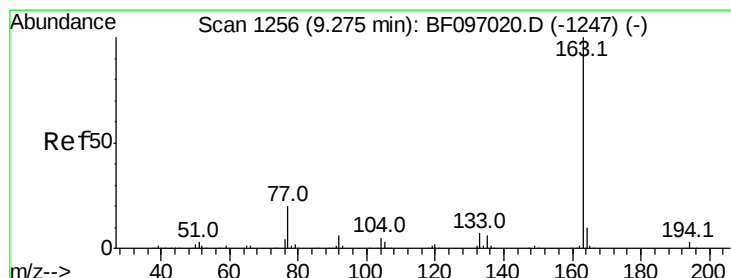
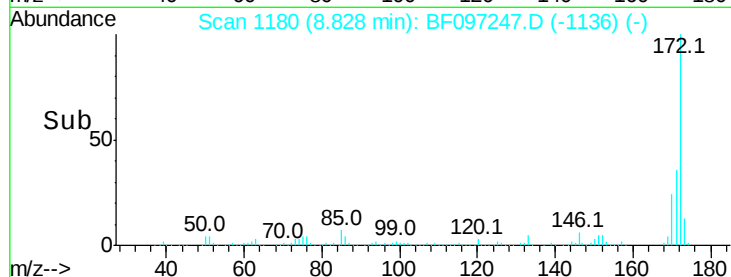
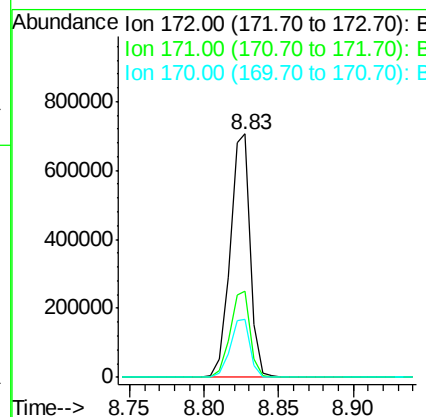
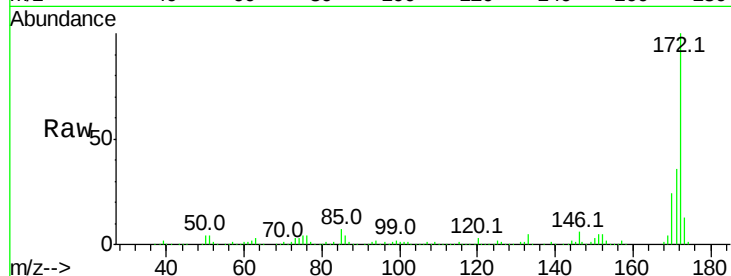
#44
2-Fluorobiphenyl
Concen: 69.955 ng
RT: 8.83 min Scan# 1180
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Instrument :
BNA_F
ClientSampleId :
SU-04-072817

Tot Ion	Ratio	Resp	Lower	Upper
172	100	677704		
171	35.6		29.6	44.4
170	24.0		19.8	29.8

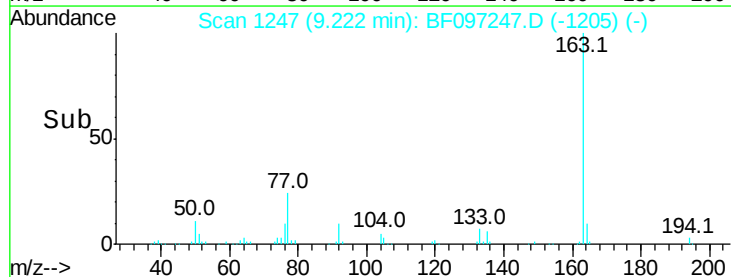
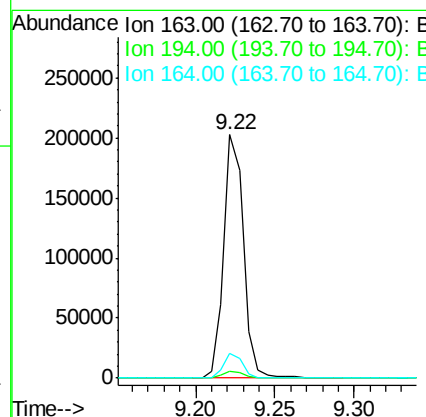
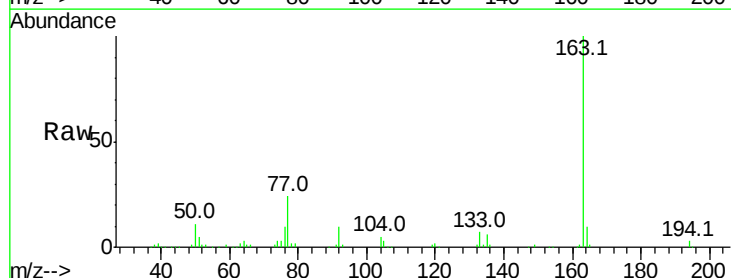
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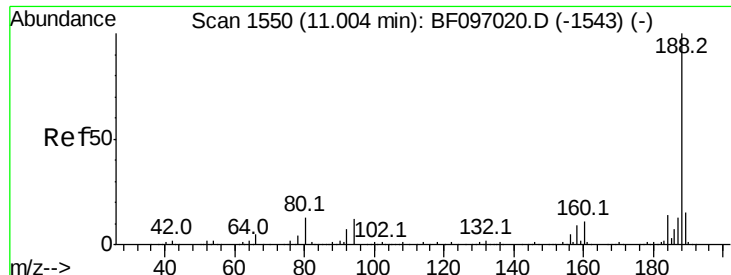
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#49
Dimethylphthalate
Concen: 14.055 ng
RT: 9.22 min Scan# 1247
Delta R.T. -0.05 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	175480		
194	2.9		2.6	4.0
164	10.3		8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.96 min Scan# 1543

Delta R.T. -0.04 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

Instrument :

BNA_F

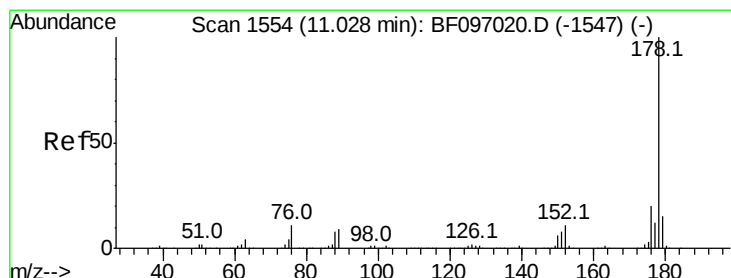
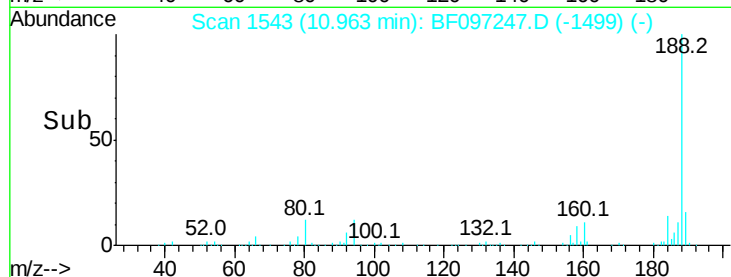
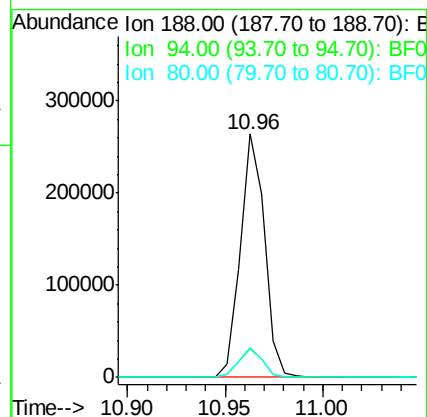
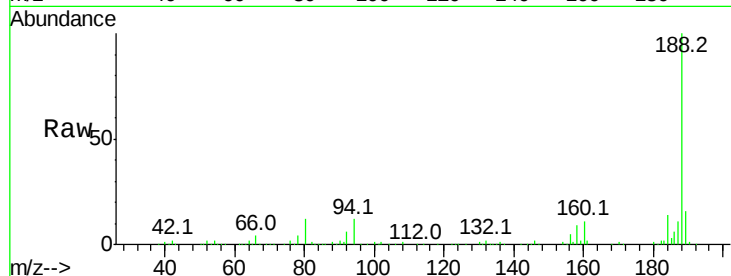
ClientSampleId :

SU-04-072817

Tot Ion:	188	Resp:	227685
Ion Ratio	Lower	Upper	
188	100		
94	11.7	9.4	14.2
80	12.4	10.2	15.2

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#70

Phenanthrene

Concen: 3.424 ng

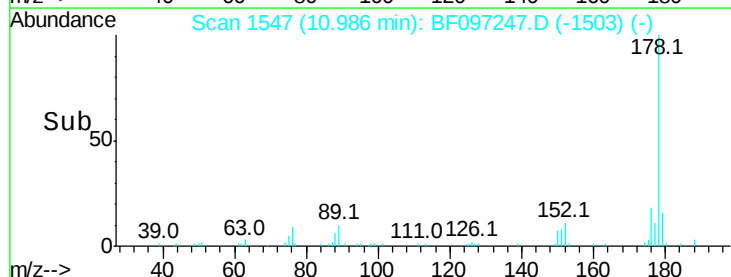
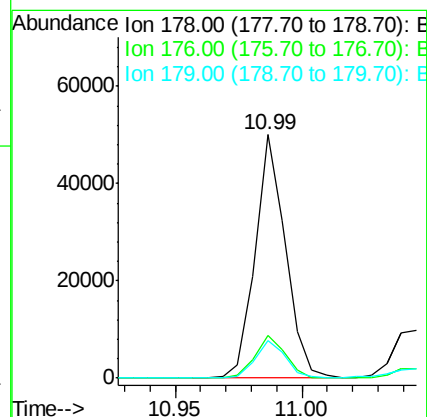
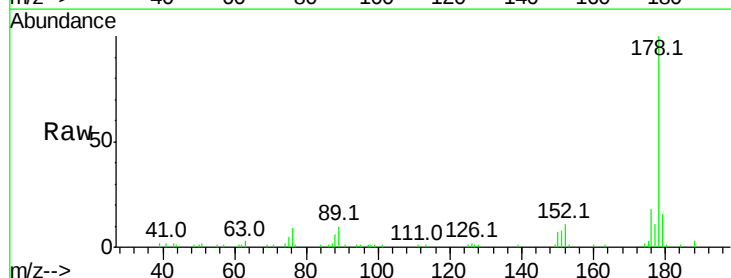
RT: 10.99 min Scan# 1547

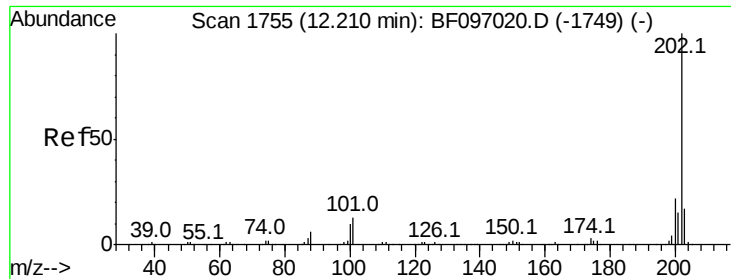
Delta R.T. -0.04 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

Tgt Ion:	178	Resp:	41765
Ion Ratio	Lower	Upper	
178	100		
176	17.8	16.2	24.4
179	15.6	12.6	19.0





#74

Fluoranthene

Concen: 7.817 ng

RT: 12.17 min Scan# 1748

Delta R.T. -0.04 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

Instrument :

BNA_F

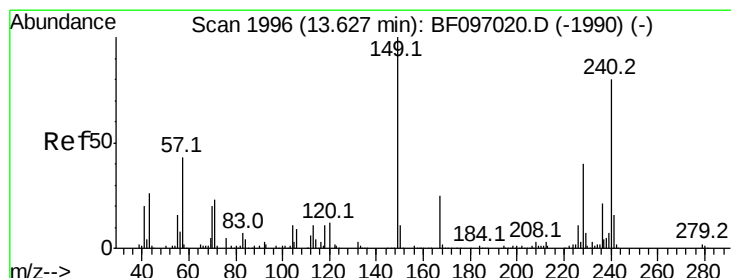
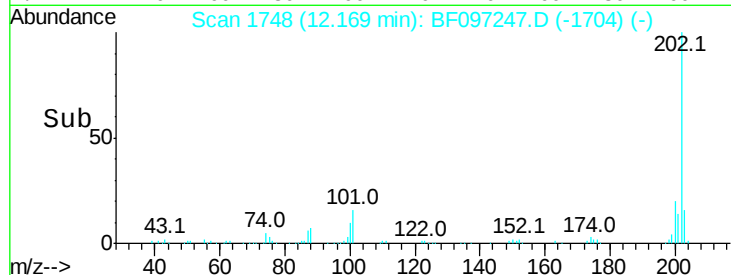
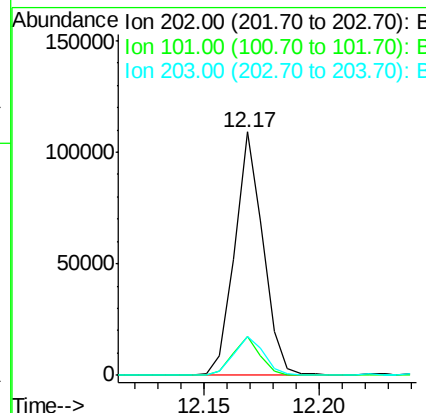
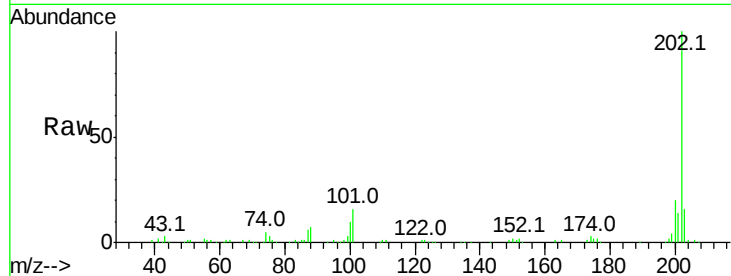
ClientSampled :

SU-04-072817

Tot Ion:	202	Resp:	93419
Ion Ratio	Lower	Upper	
202	100		
101	15.8	0.0	33.2
203	16.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

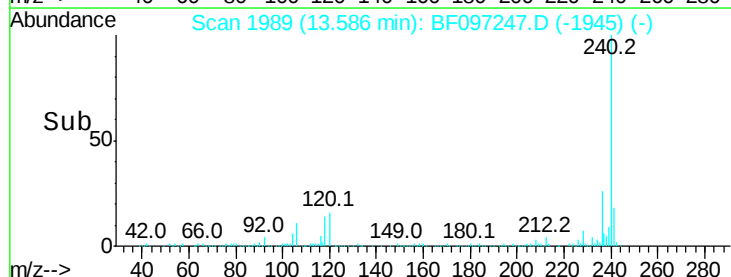
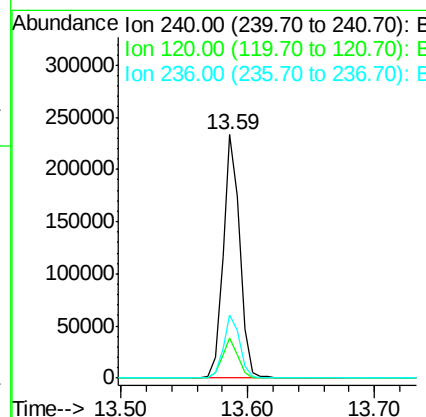
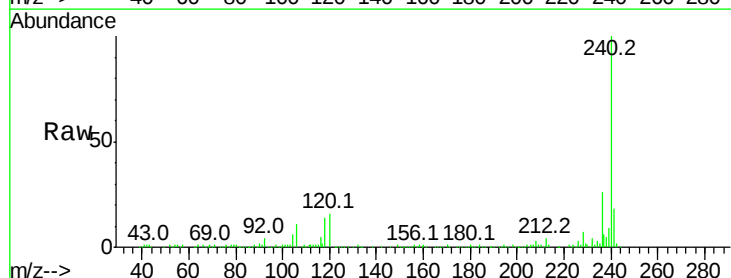
RT: 13.59 min Scan# 1989

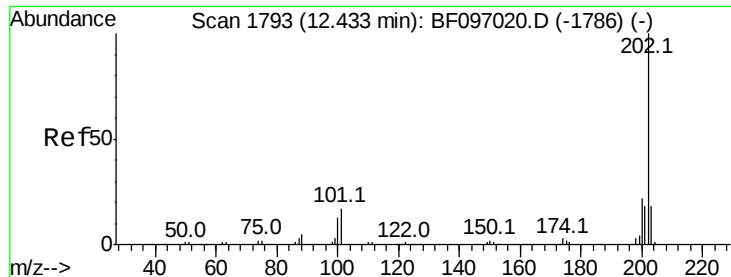
Delta R.T. -0.04 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

Tgt Ion:	240	Resp:	213653
Ion Ratio	Lower	Upper	
240	100		
120	16.4	5.8	8.8#
236	26.0	20.5	30.7





#77

Pvrene

Concen: 4.861 ng

RT: 12.39 min Scan# 1786

Delta R.T. -0.04 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

Instrument :

BNA_F

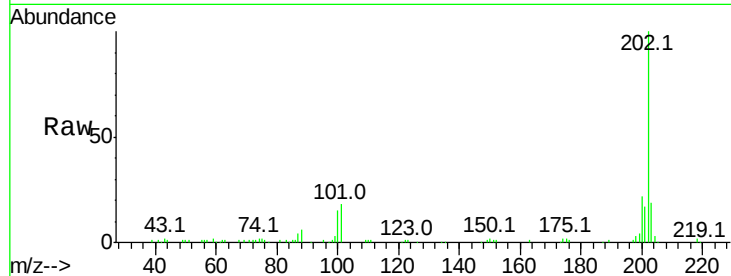
ClientSampleId :

SU-04-072817

Tot Ion:	202	Resp:	85018
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.6	26.4
203	18.8	14.4	21.6

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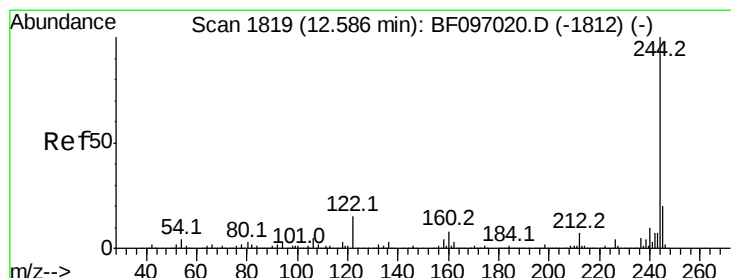
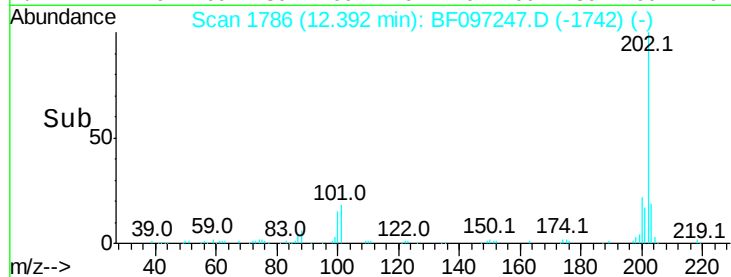
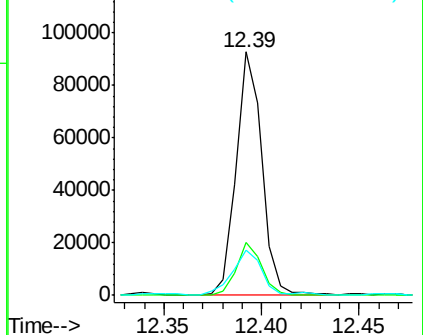
Sohil
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 39.737 ng

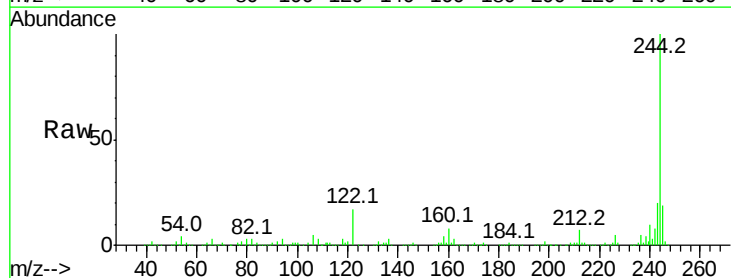
RT: 12.55 min Scan# 1812

Delta R.T. -0.04 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

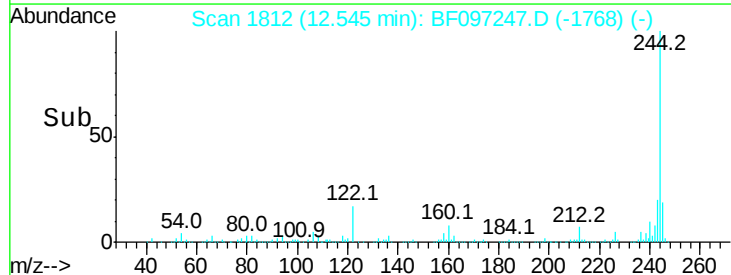
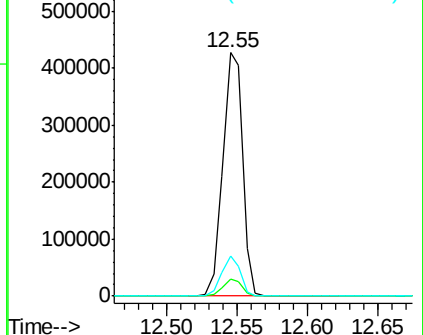
Tgt Ion:	244	Resp:	416407
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	16.7	10.3	15.5#

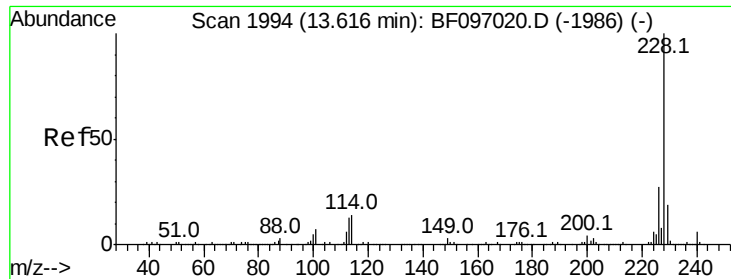


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





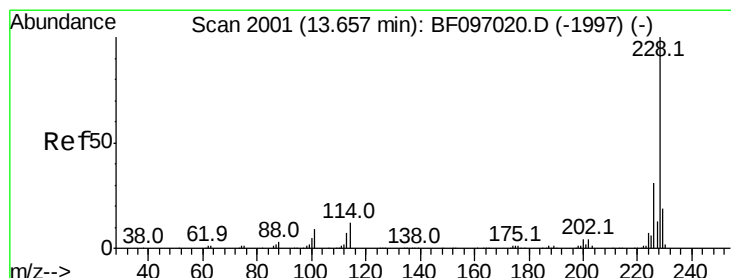
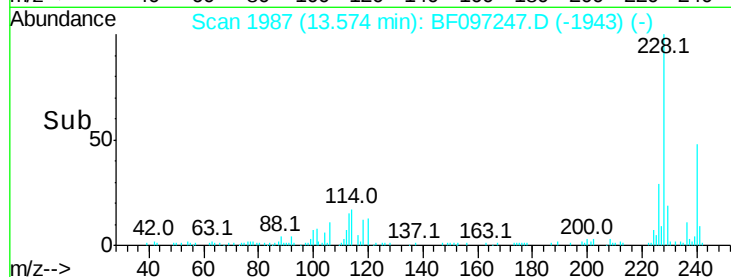
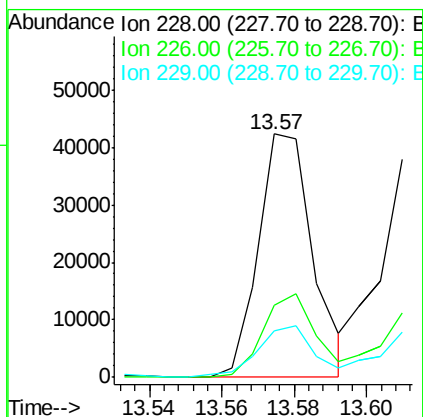
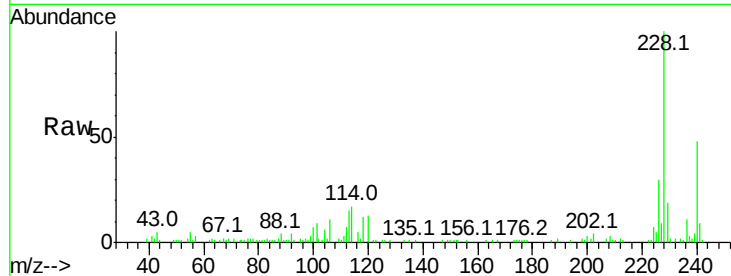
#80
Benzo(a)anthracene
Concen: 3.198 ng
RT: 13.57 min Scan# 1987
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Instrument :
BNA_F
ClientSampleId :
SU-04-072817

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	19.3	16.3	24.5

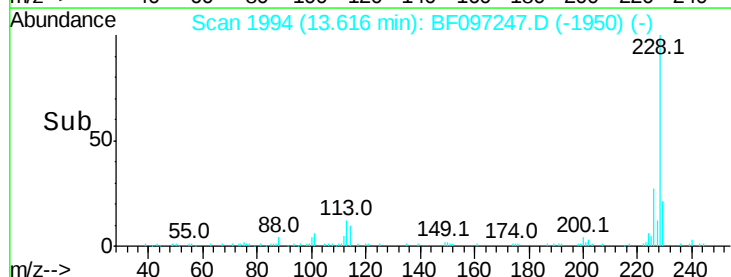
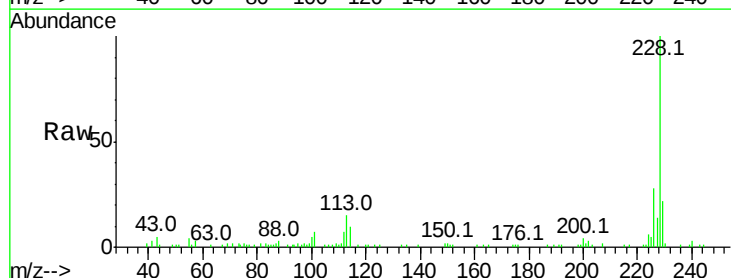
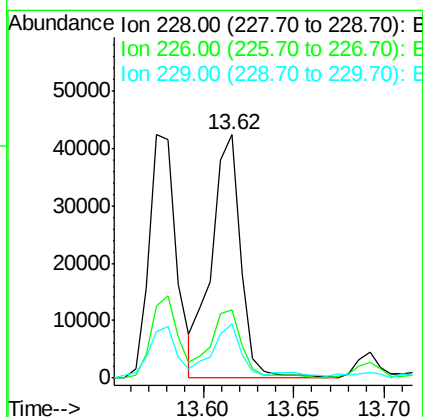
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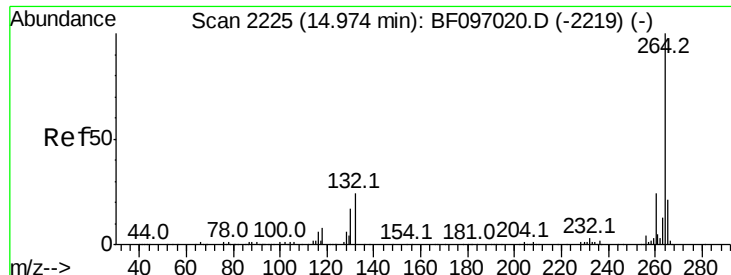
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#82
Chrysene
Concen: 3.527 ng
RT: 13.62 min Scan# 1994
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	24.9	37.3
229	22.3	15.8	23.6





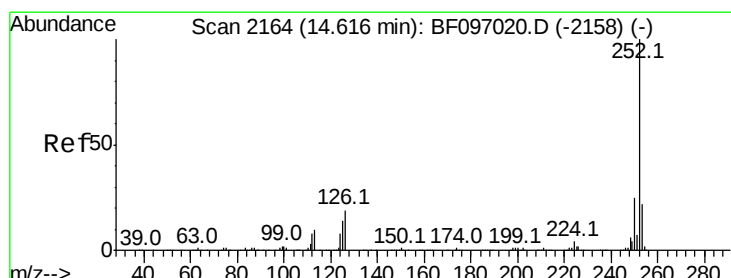
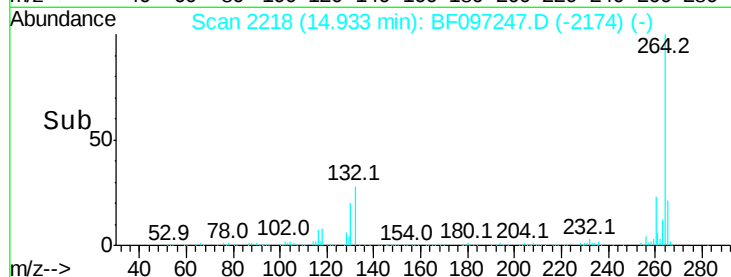
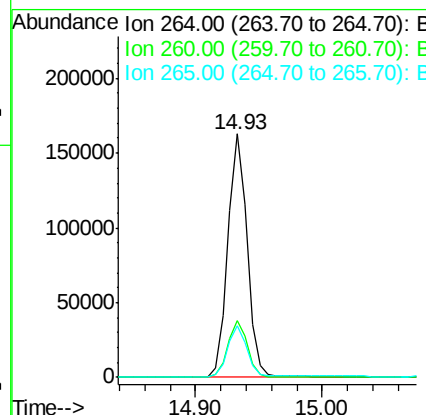
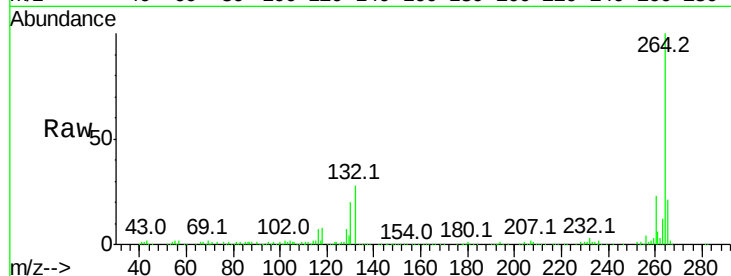
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.93 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Instrument :
BNA_F
ClientSampleId :
SU-04-072817

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.1	19.5	29.3	
265	21.4	17.2	25.8	

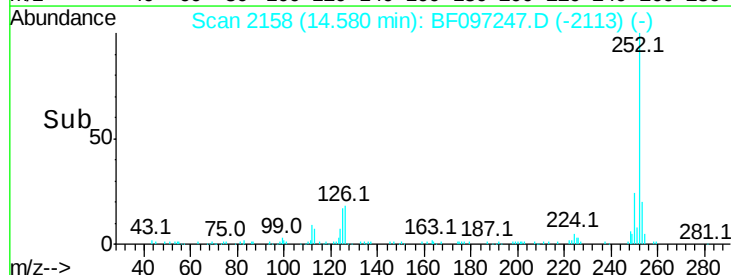
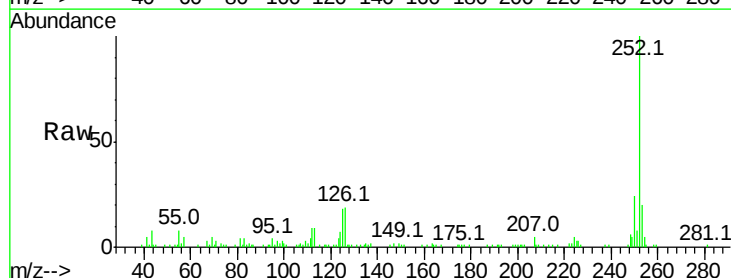
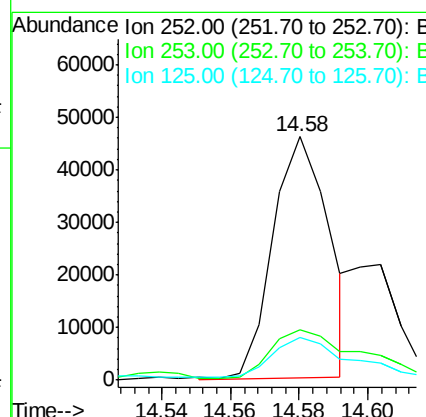
Manual Integrations
APPROVED

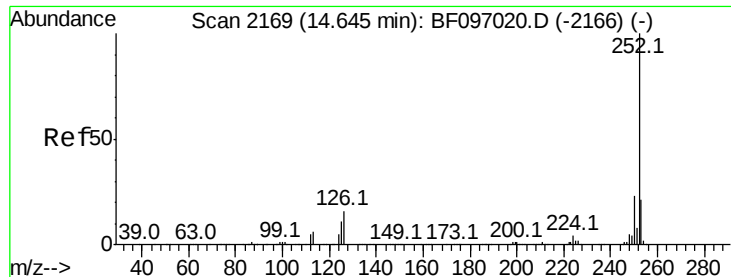
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#87
Benzo(b)fluoranthene
Concen: 5.019 ng m
RT: 14.58 min Scan# 2158
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	20.5	18.1	27.1	
125	17.7	9.8	14.8#	





#88

Benzo(k)fluoranthene

Concen: 2.047 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.04 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

Instrument :

BNA_F

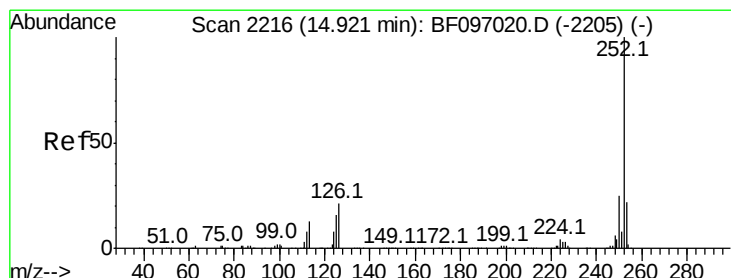
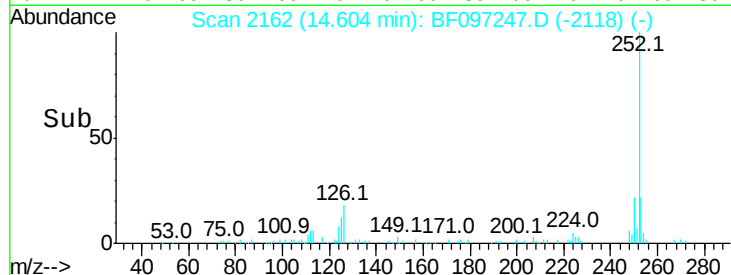
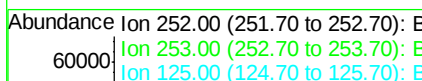
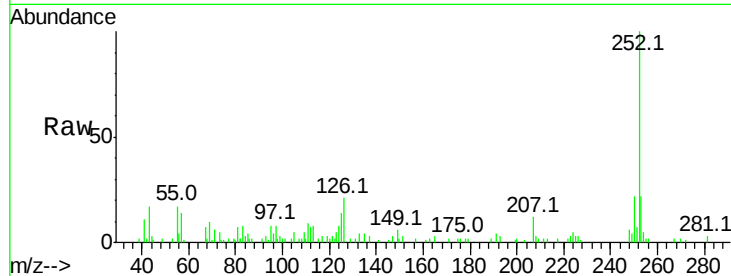
ClientSampleId :

SU-04-072817

Tot Ion:	252	Resp:	20391
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.4	27.6
125	14.3	13.1	19.7

Manual Integrations
APPROVED

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#89

Benzo(a)pyrene

Concen: 3.852 ng

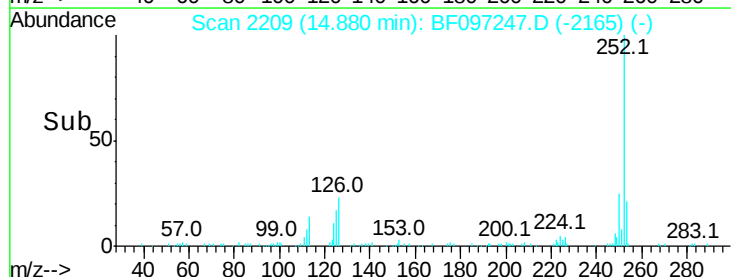
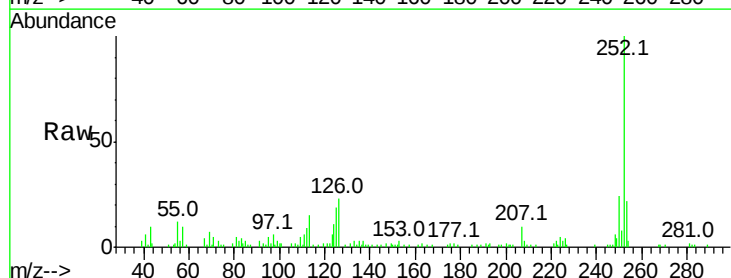
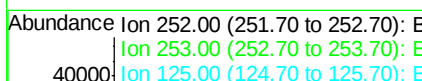
RT: 14.88 min Scan# 2209

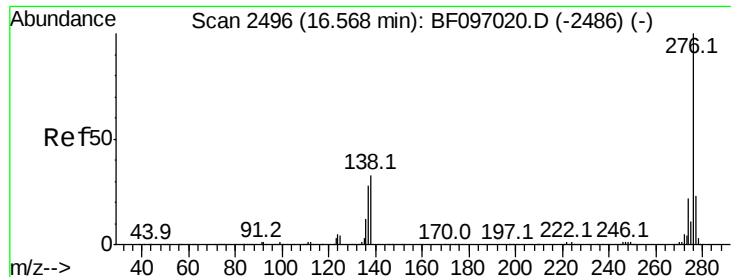
Delta R.T. -0.04 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

Tgt Ion:	252	Resp:	36854
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.5	26.3
125	18.8	11.0	16.4#





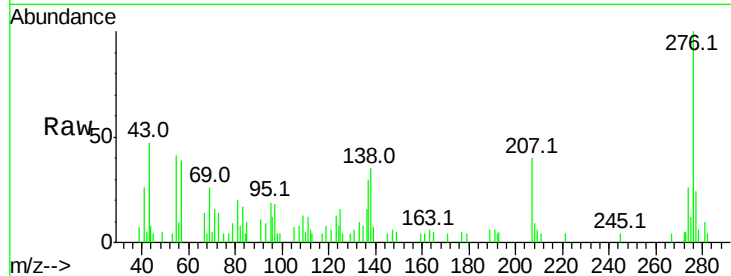
#91
 Benzo(a,h,i)perylene
 Concen: 2.052 ng
 RT: 16.51 min Scan# 2486
 Delta R.T. -0.06 min
 Lab File: BF097247.D
 Acq: 1 Aug 2017 22:28

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-072817

Tot Ion:	276	Resp:	16885
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.6	28.0
138	34.9	25.4	38.0

Manual Integrations
 APPROVED

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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

