

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097147.D
 Acq On : 28 Jul 2017 11:52
 Operator : SJ/JU
 Sample : I4397-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-1A-14.5-15.0-072117

Manual Integrations
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Sohil
 7/31/2017 6:51:34 PM

Quant Time: Jul 28 16:04:24 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	6.49	152	110724	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	465512	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	195706	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	302626	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	197322	20.00	ng	-0.02
86) Perylene-d12	14.96	264	176650	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	754707	102.75	ng	0.00
7) Phenol-d6	6.15	99	944444	112.63	ng	-0.02
23) Nitrobenzene-d5	7.06	82	543208	68.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	164736	106.54	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	855463	74.18	ng	-0.02
78) Terphenyl-d14	12.57	244	549992	56.83	ng	-0.01
Target Compounds						
10) Phenol	6.16	94	38405	3.861	ng	95
49) Dimethylphthalate	9.25	163	205587	13.833	ng	98
70) Phenanthrene	11.01	178	124299	7.666	ng	97
74) Fluoranthene	12.19	202	184651	11.624	ng	98
77) Pyrene	12.42	202	144097	8.920	ng	99
80) Benzo(a)anthracene	13.60	228	64765	5.073	ng	98
82) Chrysene	13.63	228	58019	4.654	ng	97
85) Indeno(1,2,3-cd)pyrene	16.18	276	27413m	2.564	ng	
87) Benzo(b)fluoranthene	14.60	252	68556m	6.456	ng	
88) Benzo(k)fluoranthene	14.62	252	27265m	2.694	ng	
89) Benzo(a)pyrene	14.91	252	48317	4.972	ng	95
91) Benzo(a,h,i)perylene	16.54	276	25124	3.006	ng	# 87

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

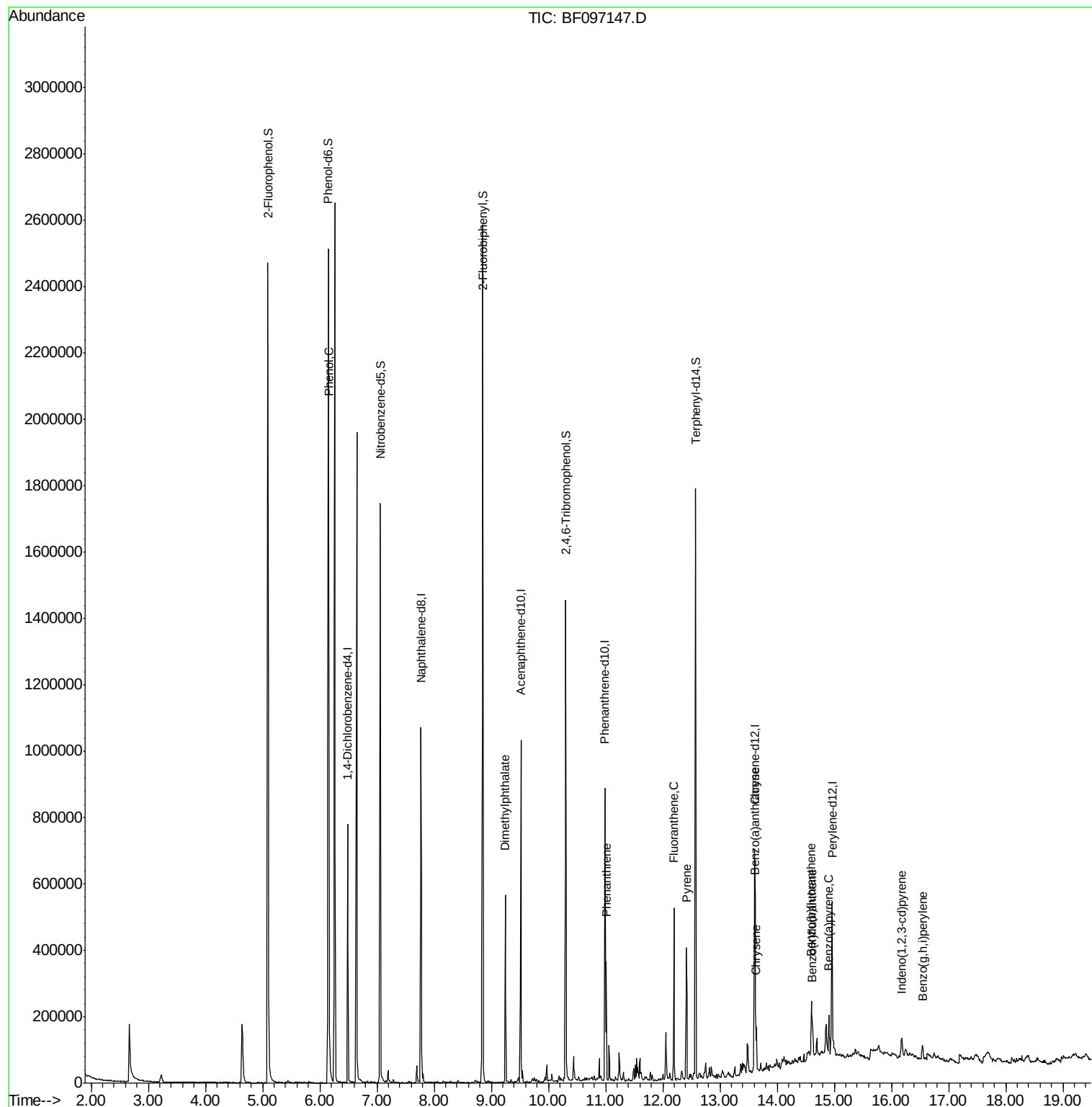
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
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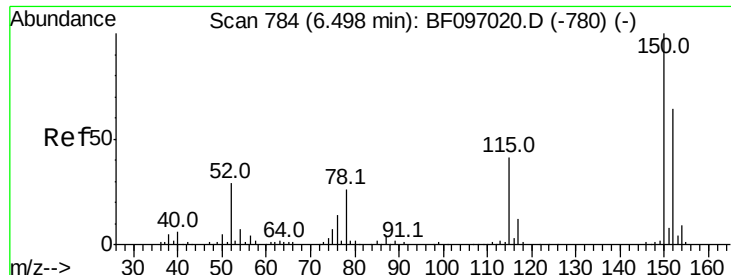
Instrument :
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T-1A-14.5-15.0-072117

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#1

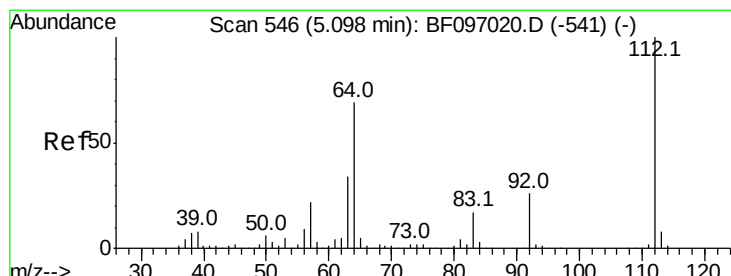
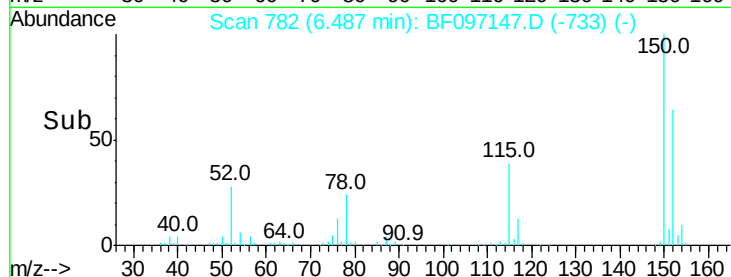
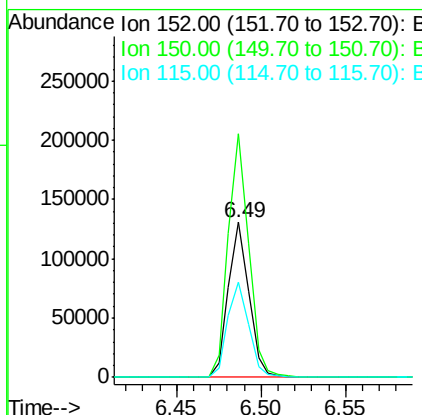
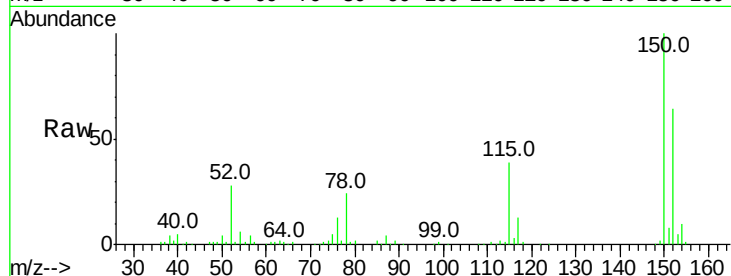
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.2	189.2
115	61.2	52.2	78.2

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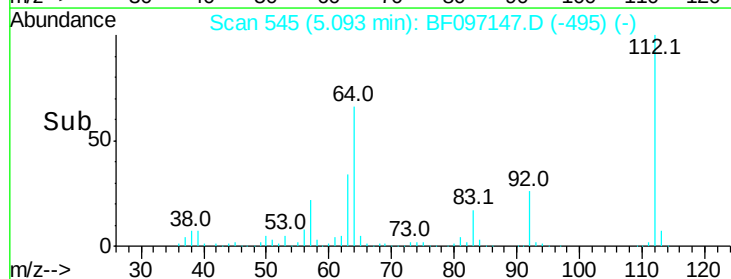
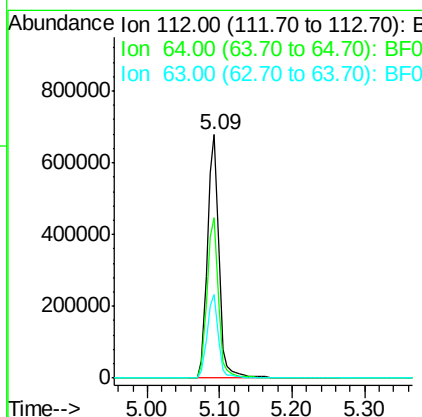
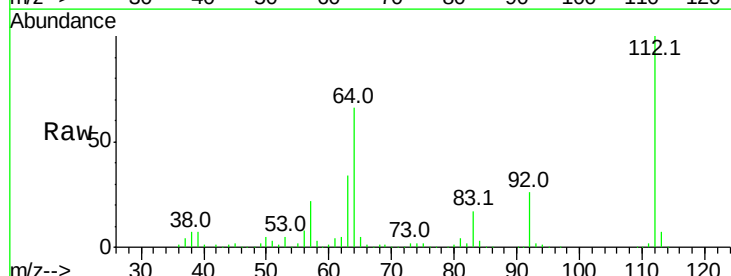
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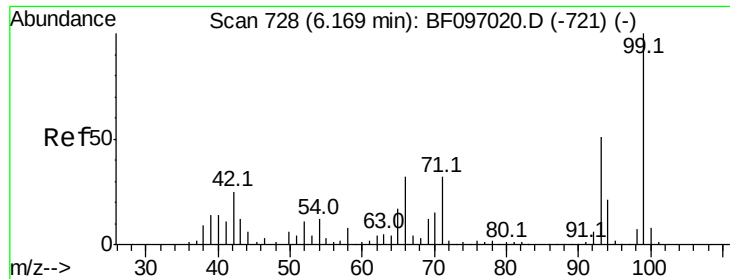


#5

2-Fluorophenol
Concen: 102.752 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	46.0	69.0
63	34.1	23.4	35.0





#7

Phenol-d6

Concen: 112.633 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097147.D

Acq: 28 Jul 2017 11:52

Instrument :

BNA_F

ClientSampleId :

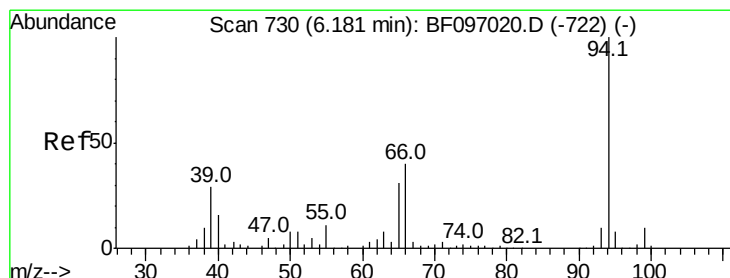
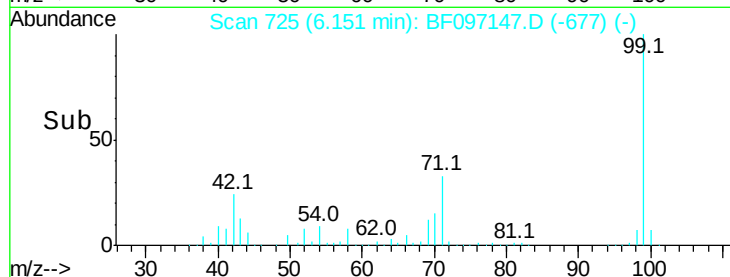
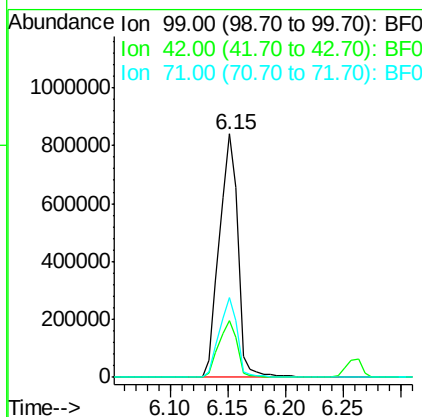
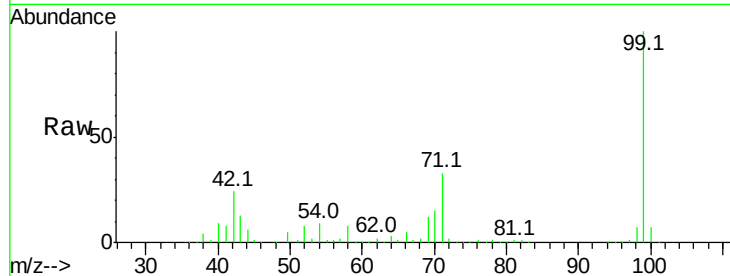
T-1A-14.5-15.0-072117

Tot Ion:	99	Resp:	944444
Ion Ratio	Lower	Upper	
99	100		
42	23.5	13.5	20.3#
71	32.6	24.5	36.7

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#10

Phenol

Concen: 3.861 ng

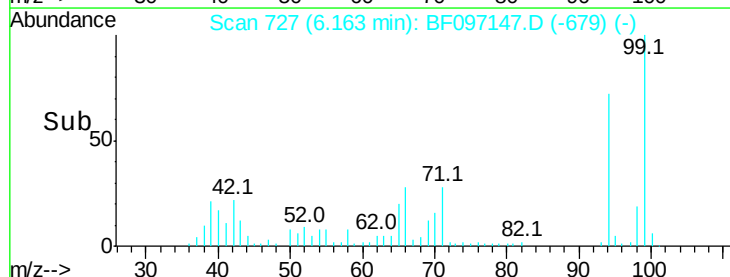
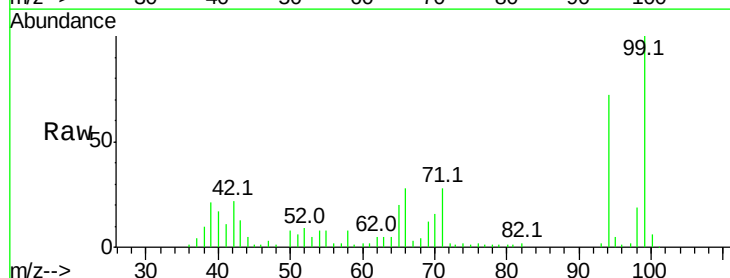
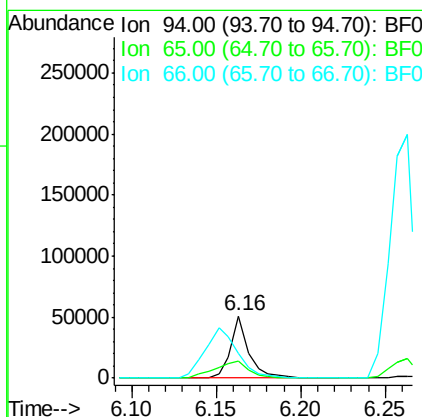
RT: 6.16 min Scan# 727

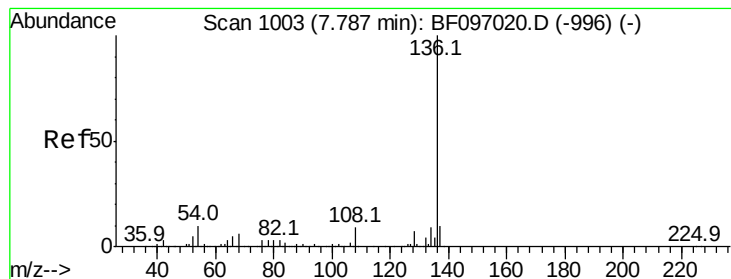
Delta R.T. -0.02 min

Lab File: BF097147.D

Acq: 28 Jul 2017 11:52

Tgt Ion:	94	Resp:	38405
Ion Ratio	Lower	Upper	
94	100		
65	28.0	9.9	49.9
66	39.4	23.1	63.1





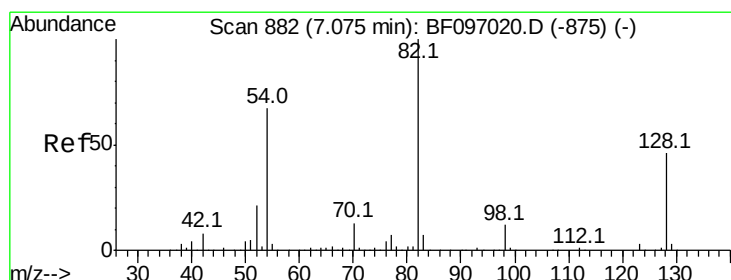
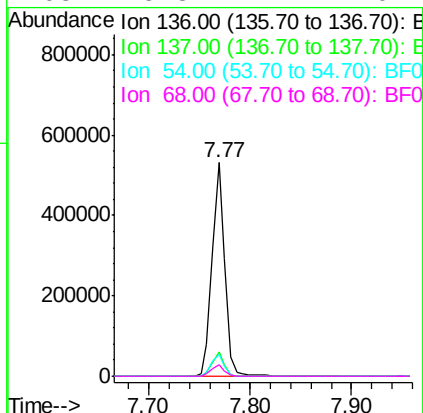
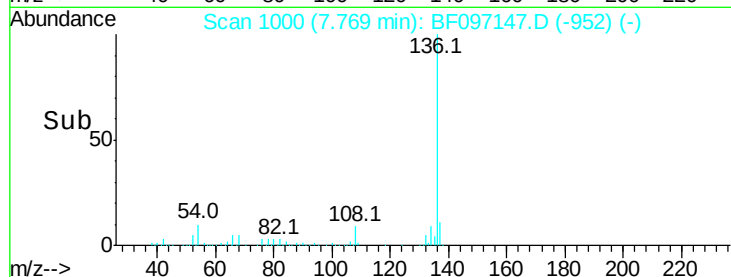
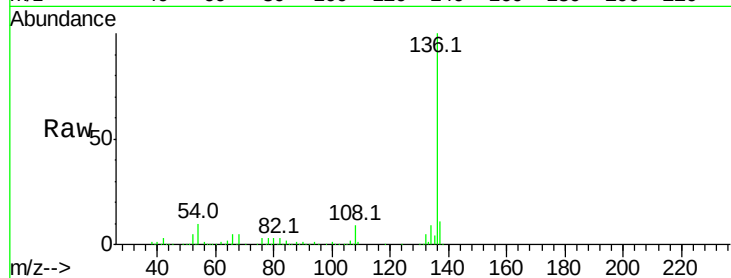
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	8.5	12.7	
54	10.4	4.9	7.3#	
68	5.3	4.1	6.1	

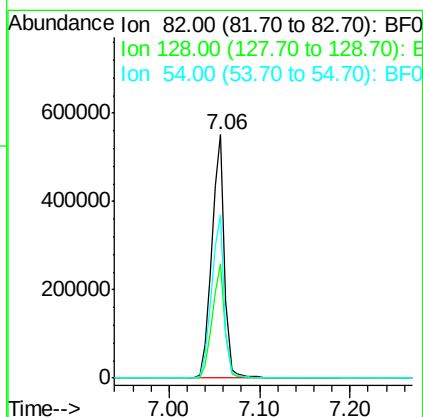
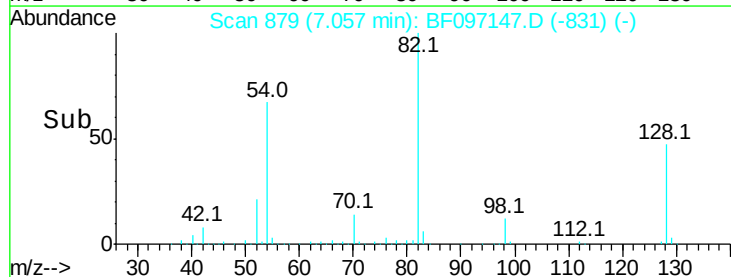
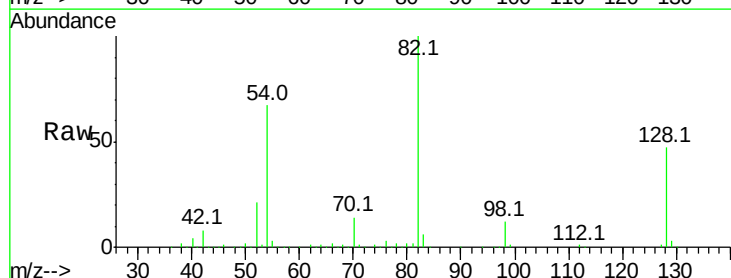
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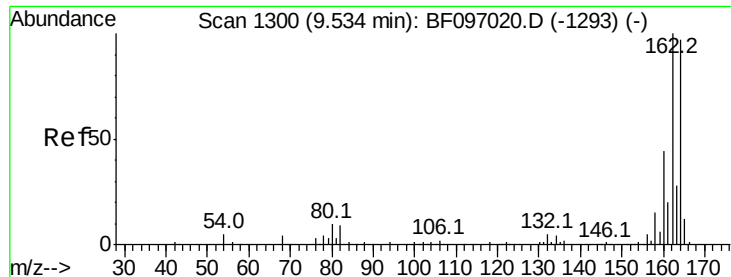
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#23
Nitrobenzene-d5
Concen: 68.455 ng
RT: 7.06 min Scan# 879
Delta R.T. -0.02 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.2	34.0	51.0	
54	66.9	42.2	63.2#	





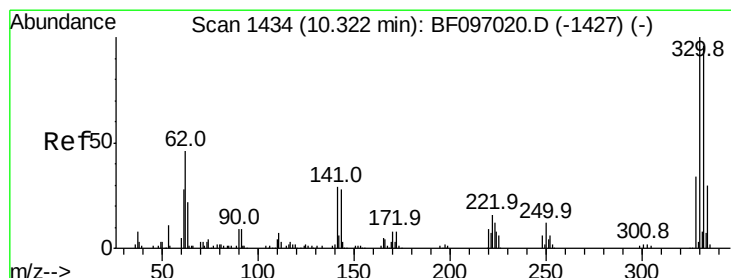
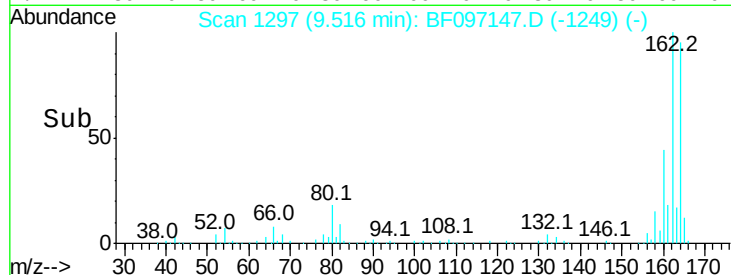
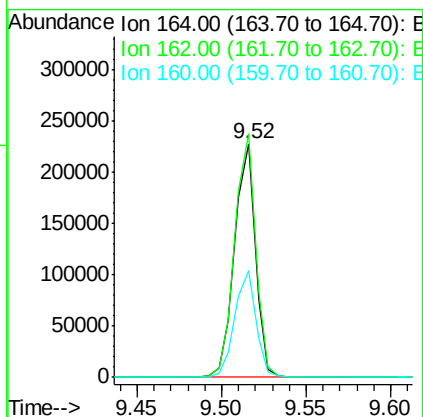
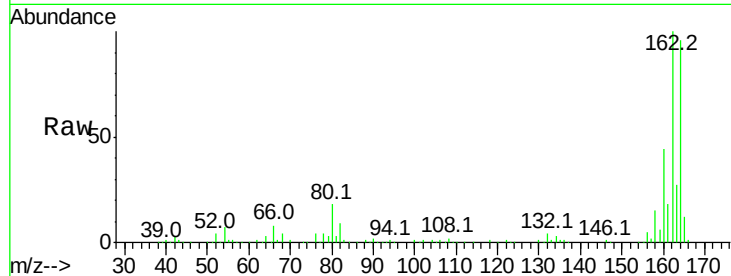
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF097147.D
 Acq: 28 Jul 2017 11:52

Instrument :
 BNA_F
 ClientSampleId :
 T-1A-14.5-15.0-072117

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.6	123.8
160	45.6	36.2	54.2

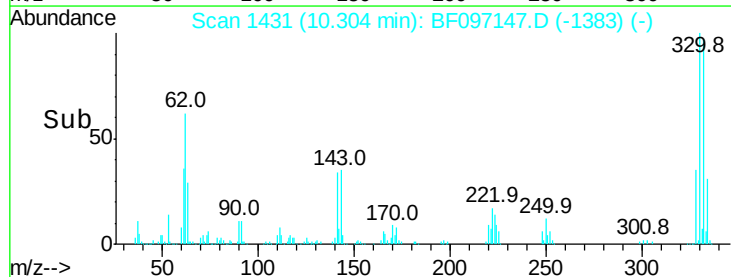
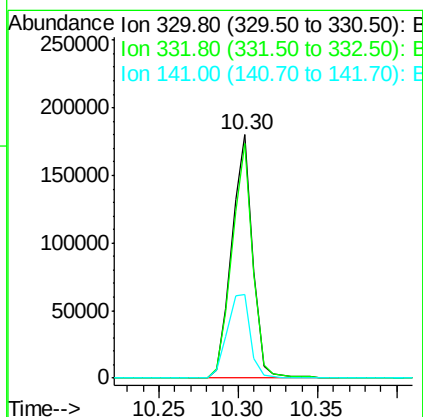
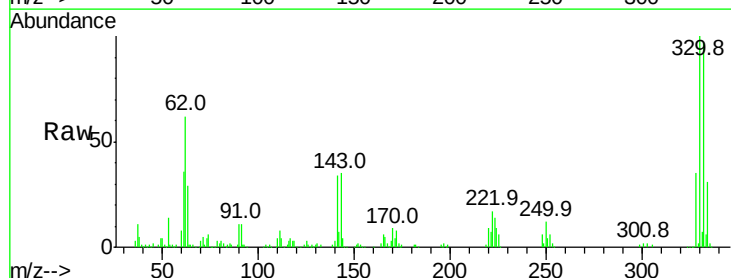
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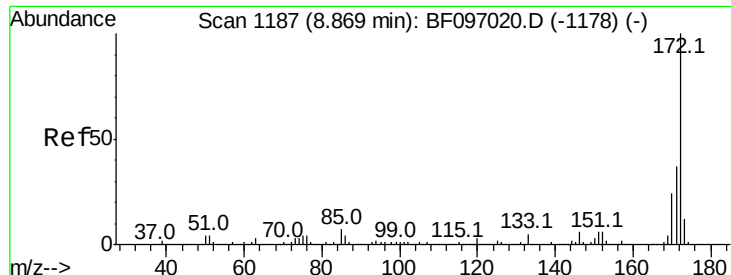
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#41
 2,4,6-Tribromophenol
 Concen: 106.538 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF097147.D
 Acq: 28 Jul 2017 11:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	115.0
141	38.5	31.4	47.2





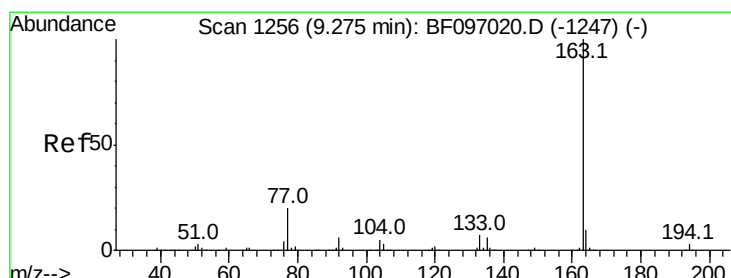
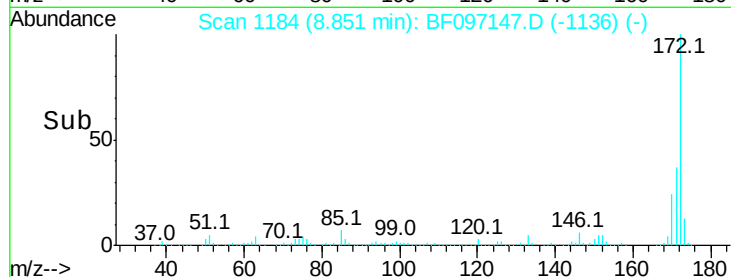
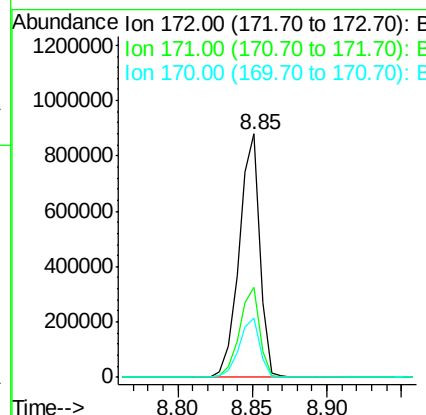
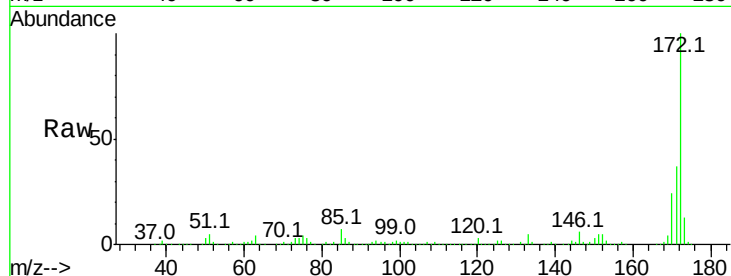
#44
2-Fluorobiphenyl
Concen: 74.183 ng
RT: 8.85 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

Tot Ion	Ratio	Resp	Lower	Upper
172	100	855463		
171	36.8		29.6	44.4
170	24.5		19.8	29.8

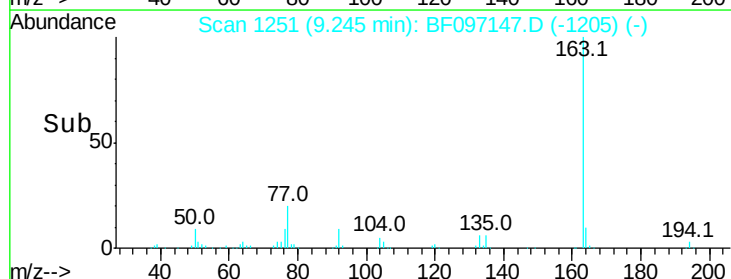
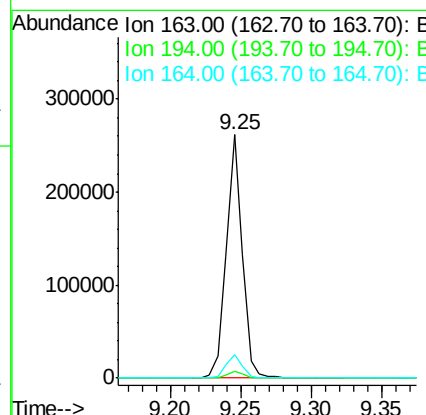
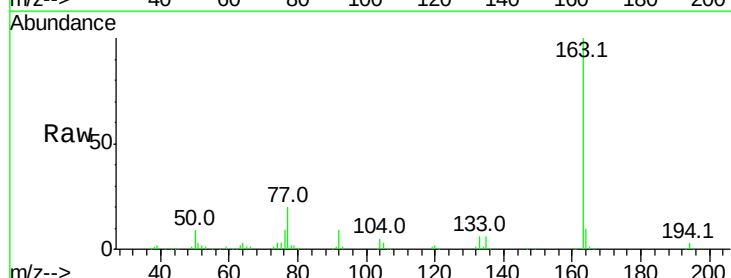
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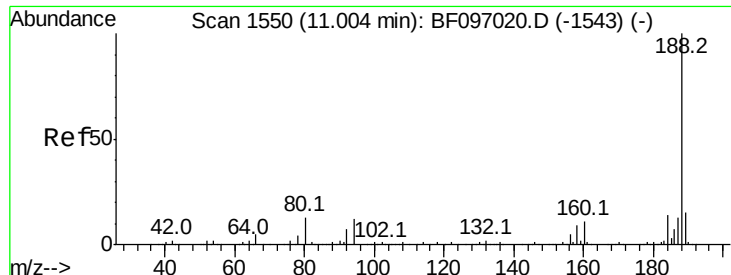
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#49
Dimethylphthalate
Concen: 13.833 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	205587		
194	2.9		2.6	4.0
164	9.5		8.4	12.6





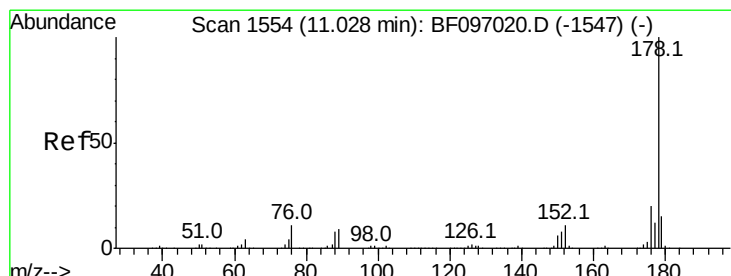
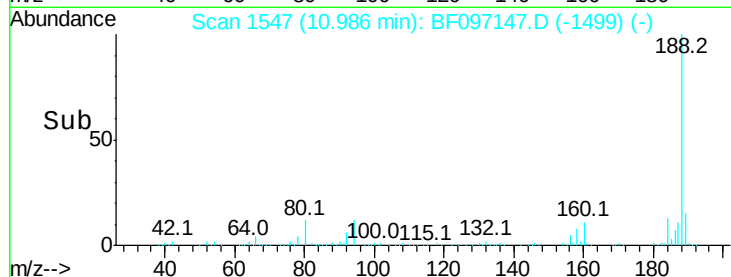
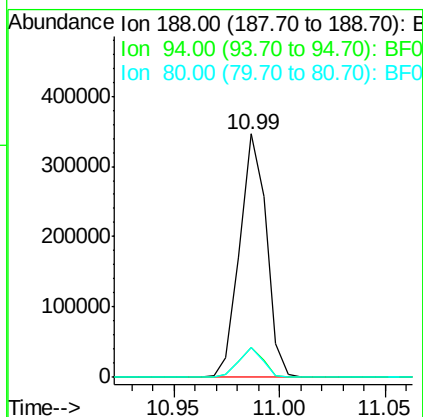
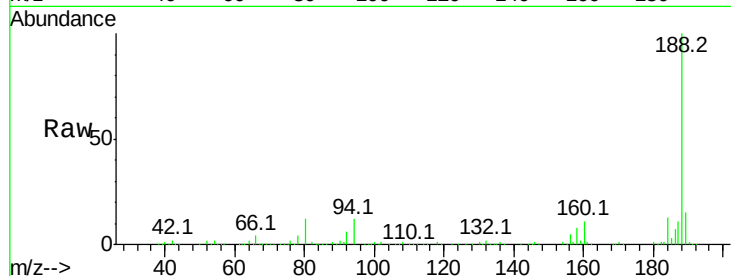
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.0	9.4	14.2	
80	12.2	10.2	15.2	

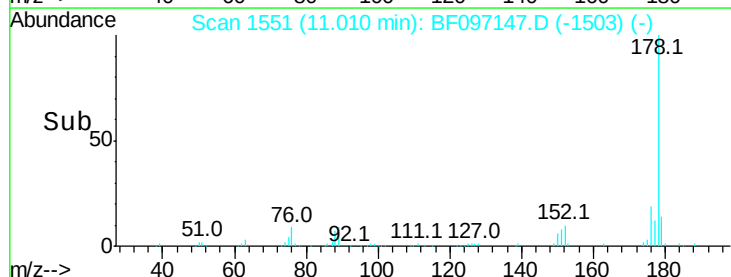
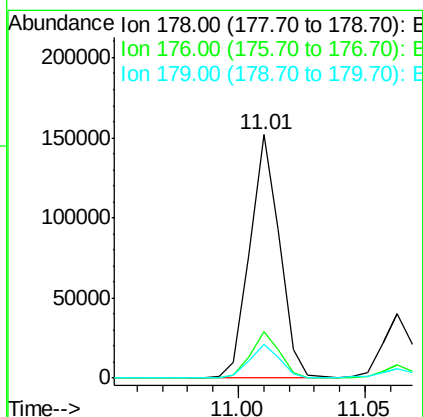
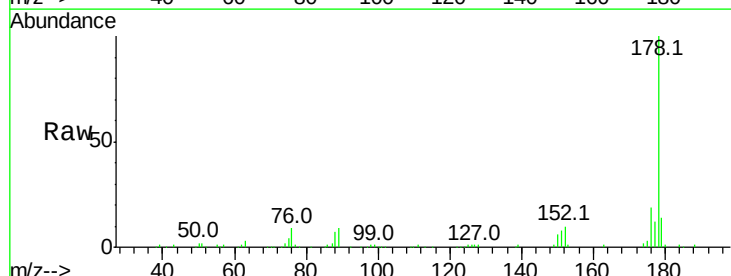
Manual Integrations
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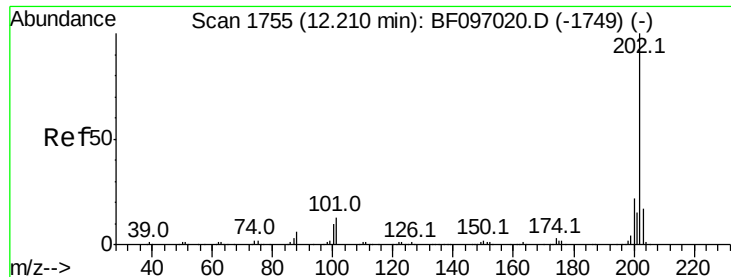
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#70
Phenanthrene
Concen: 7.666 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.3	16.2	24.4	
179	14.0	12.6	19.0	





#74

Fluoranthene

Concen: 11.624 ng

RT: 12.19 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF097147.D

Acq: 28 Jul 2017 11:52

Instrument :

BNA_F

ClientSampleId :

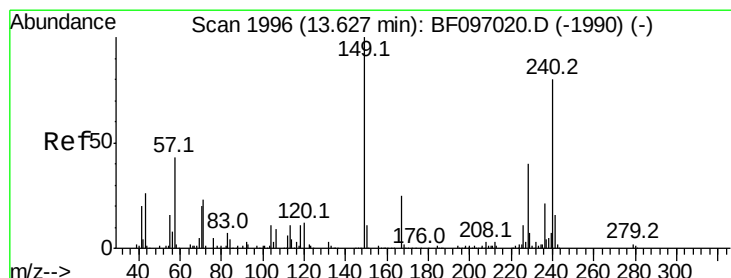
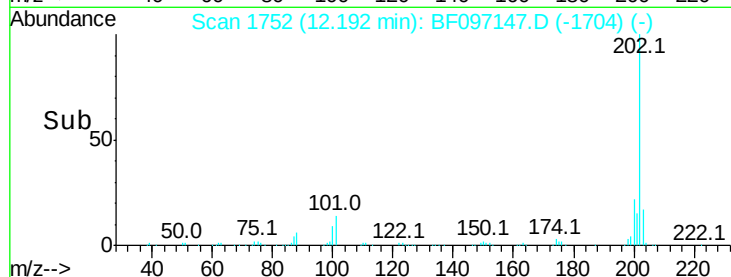
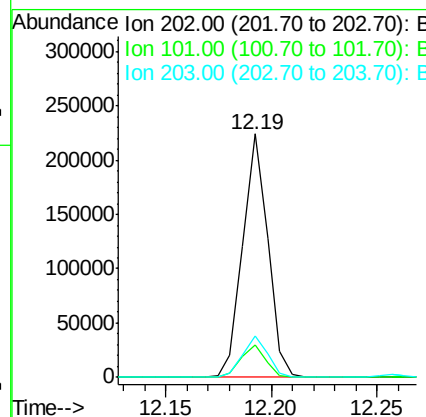
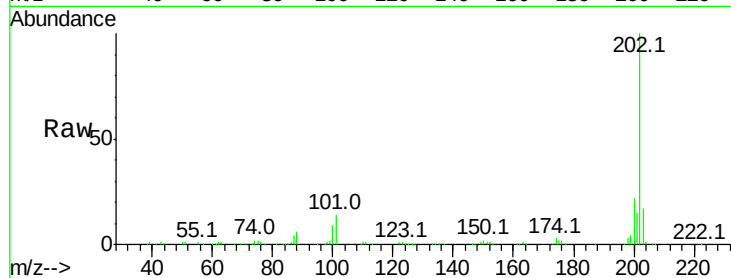
T-1A-14.5-15.0-072117

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	13.5	0.0	33.2	
203	16.9	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

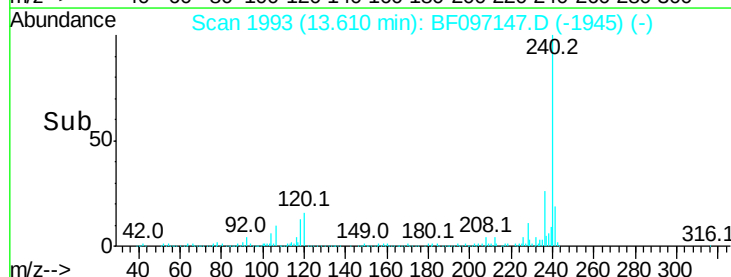
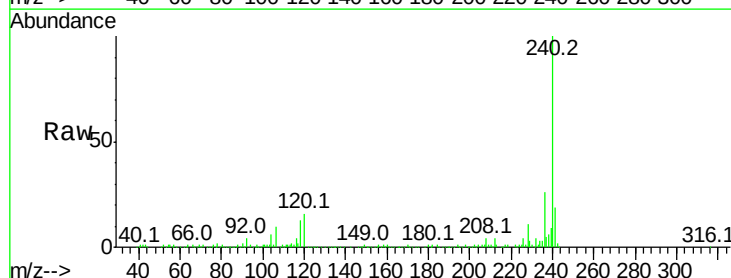
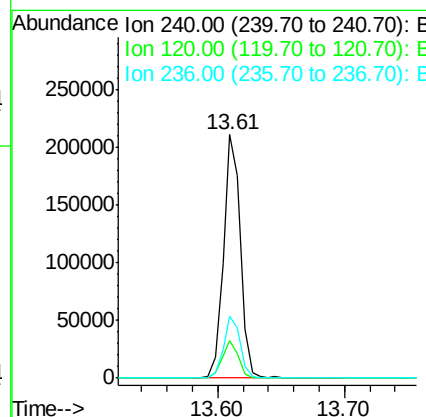
RT: 13.61 min Scan# 1993

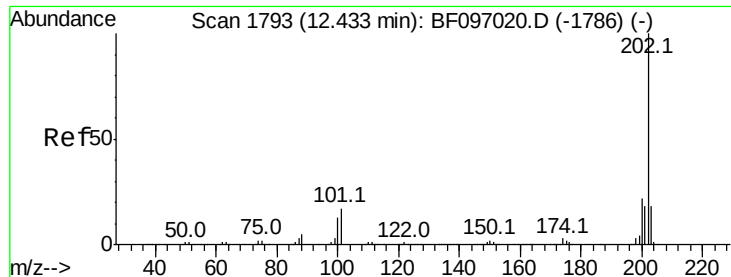
Delta R.T. -0.02 min

Lab File: BF097147.D

Acq: 28 Jul 2017 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	15.6	5.8	8.8#	
236	25.5	20.5	30.7	





#77

Pvrene

Concen: 8.920 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097147.D

Acq: 28 Jul 2017 11:52

Instrument :

BNA_F

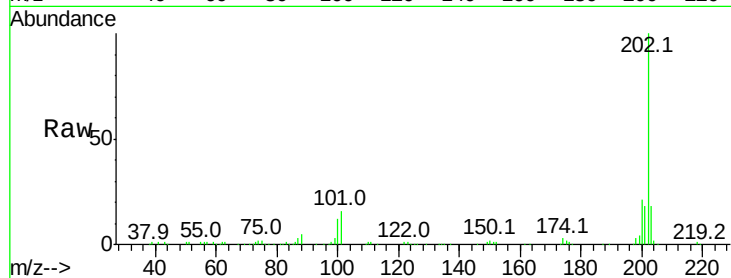
ClientSampleId :

T-1A-14.5-15.0-072117

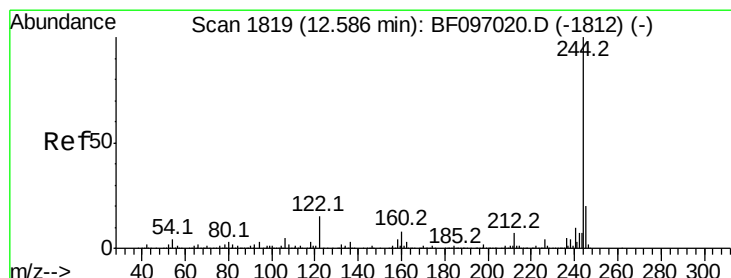
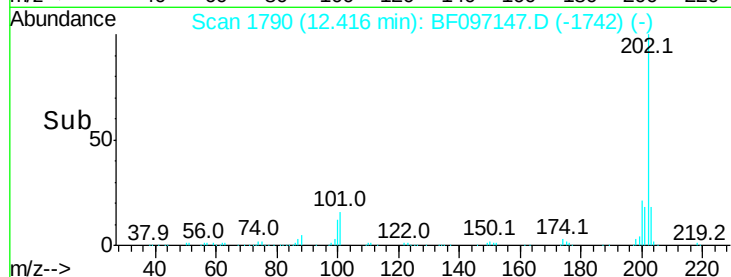
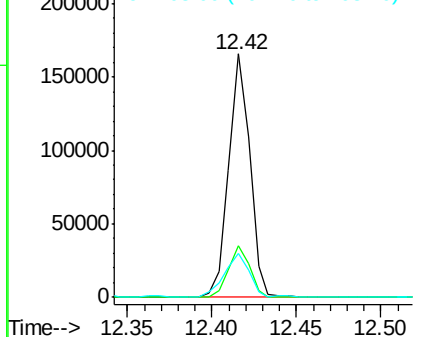
Tot Ion:	202	Resp:	144097
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.6	26.4
203	18.0	14.4	21.6

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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: 56.829 ng

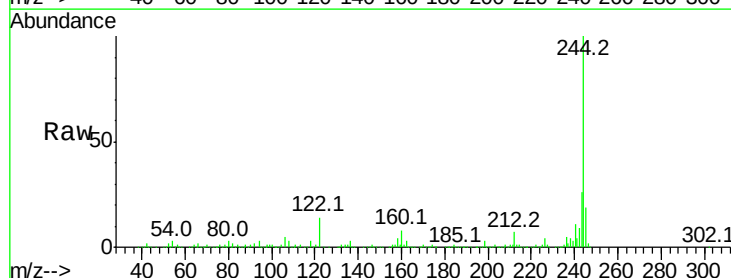
RT: 12.57 min Scan# 1817

Delta R.T. -0.01 min

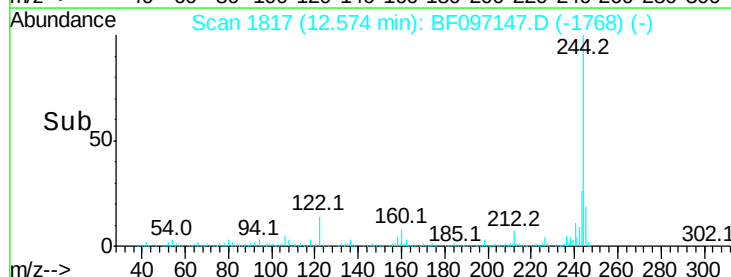
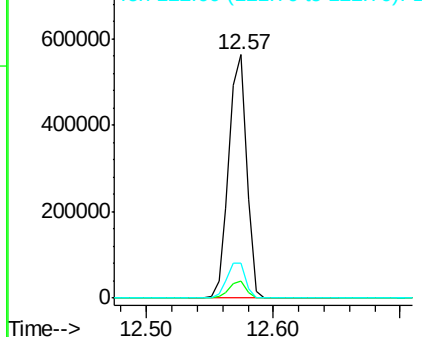
Lab File: BF097147.D

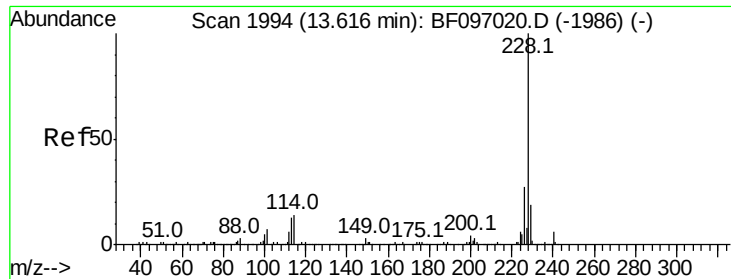
Acq: 28 Jul 2017 11:52

Tgt Ion:	244	Resp:	549992
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	14.3	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





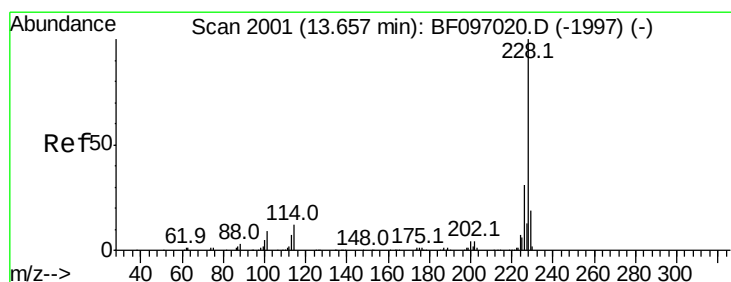
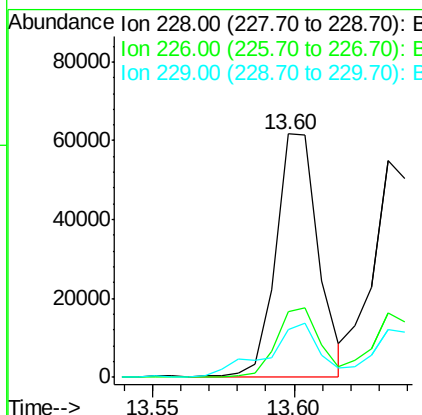
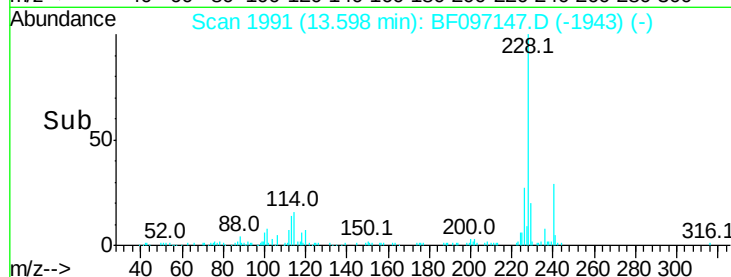
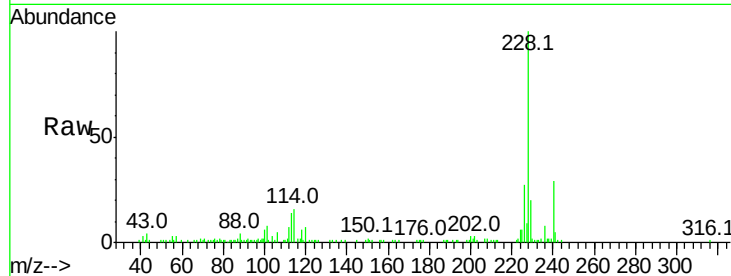
#80
Benzo(a)anthracene
Concen: 5.073 ng
RT: 13.60 min Scan# 1991
Delta R.T. -0.02 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.6	33.8
229	19.7	16.3	24.5

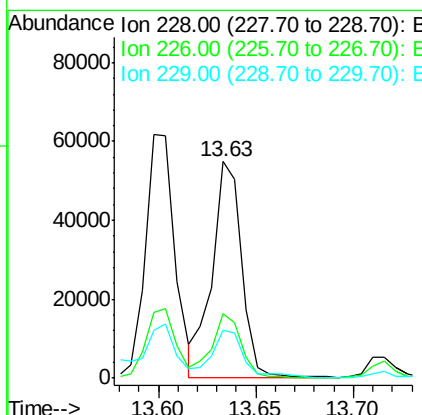
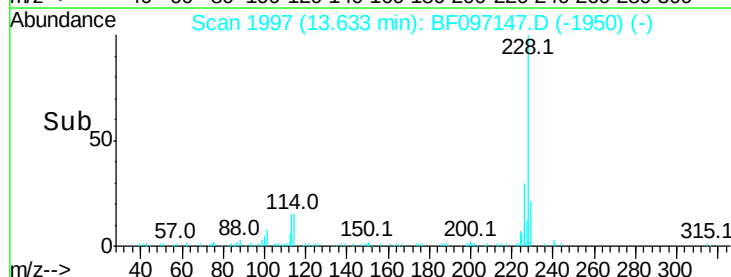
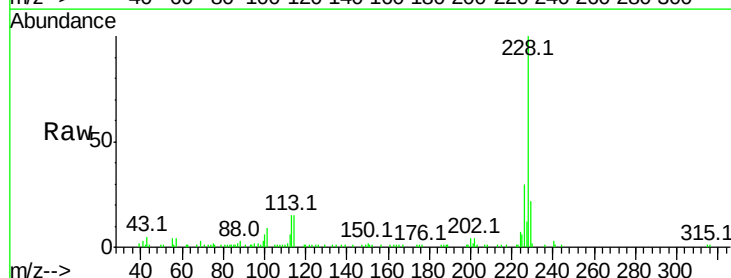
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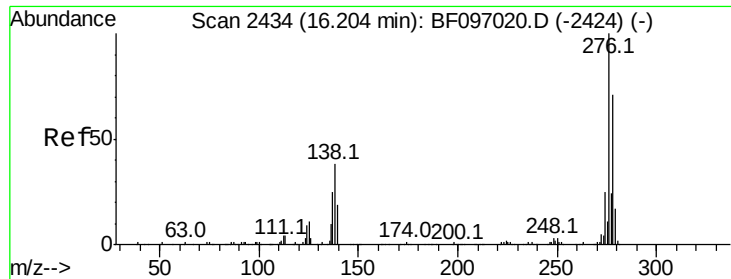
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#82
Chrysene
Concen: 4.654 ng
RT: 13.63 min Scan# 1997
Delta R.T. -0.02 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	21.9	15.8	23.6





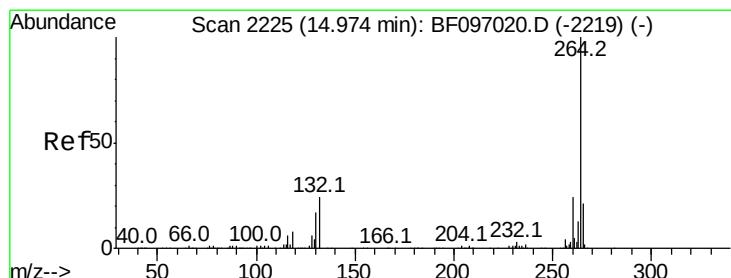
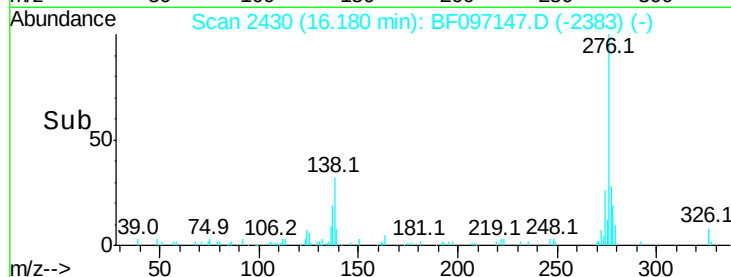
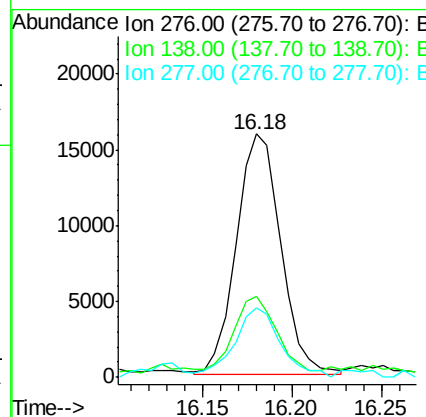
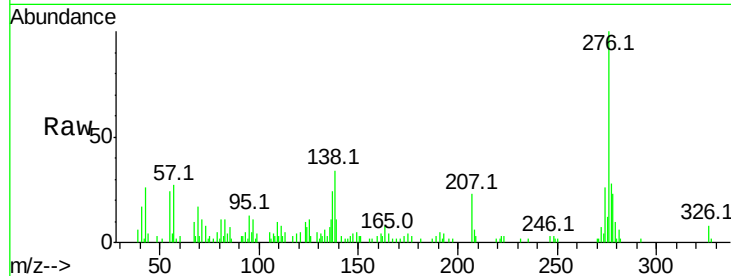
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.564 ng/ml
 RT: 16.18 min Scan# 2430
 Delta R.T. -0.02 min
 Lab File: BF097147.D
 Acq: 28 Jul 2017 11:52

Instrument :
 BNA_F
 ClientSampleId :
 T-1A-14.5-15.0-072117

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.8	27.8	41.6#
277	6.2	20.2	30.4#

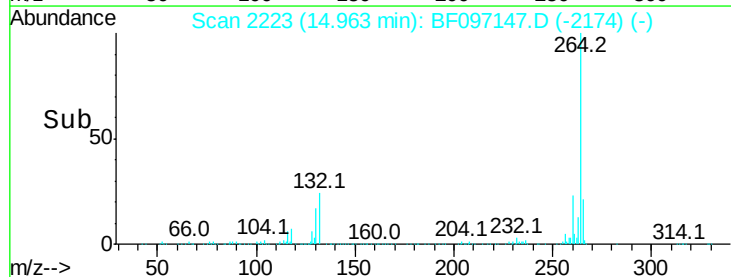
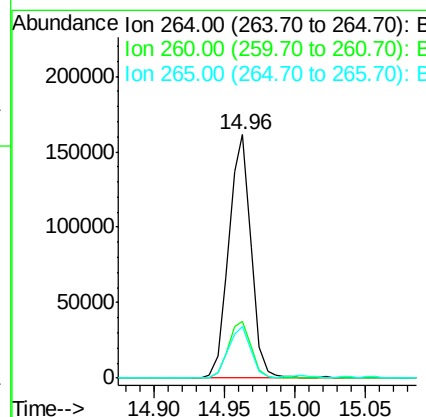
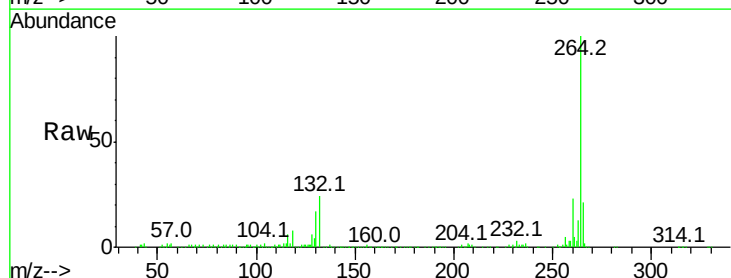
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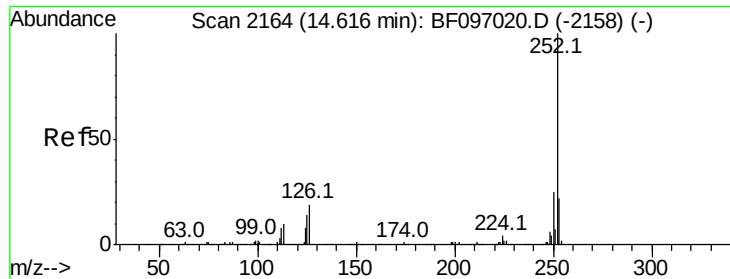
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.96 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF097147.D
 Acq: 28 Jul 2017 11:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 6.456 ng m

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF097147.D

Acq: 28 Jul 2017 11:52

Instrument :

BNA_F

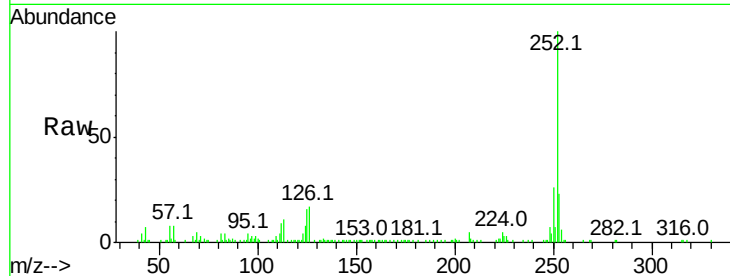
ClientSampleId :

T-1A-14.5-15.0-072117

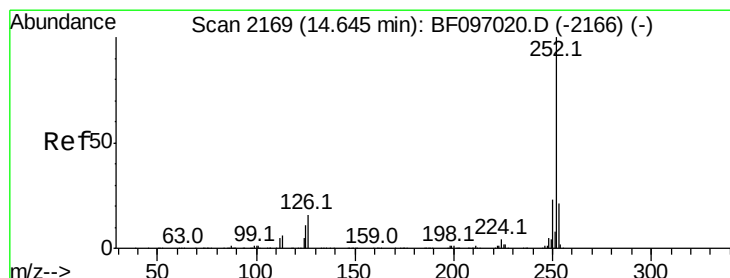
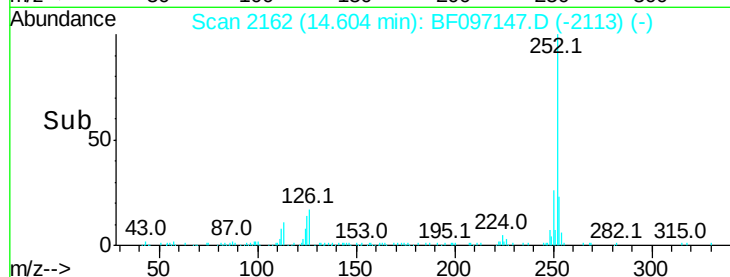
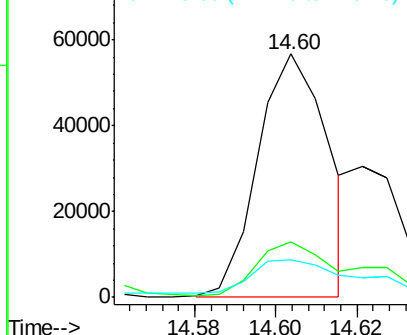
Tot Ion:	252	Resp:	68556
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.1	27.1
125	15.6	9.8	14.8#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.694 ng m

RT: 14.62 min Scan# 2165

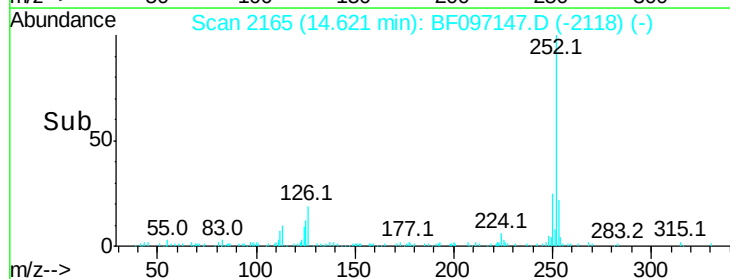
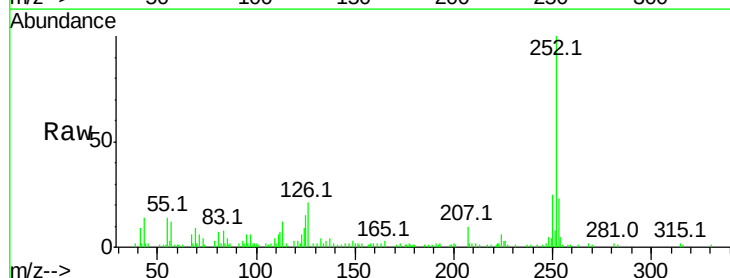
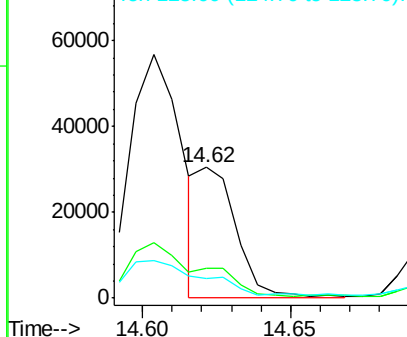
Delta R.T. -0.02 min

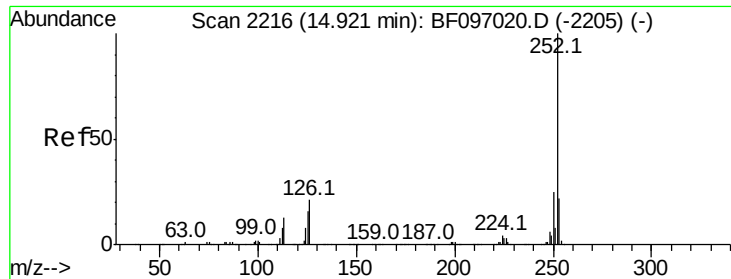
Lab File: BF097147.D

Acq: 28 Jul 2017 11:52

Tgt Ion:	252	Resp:	27265
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.4	27.6
125	14.7	13.1	19.7

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





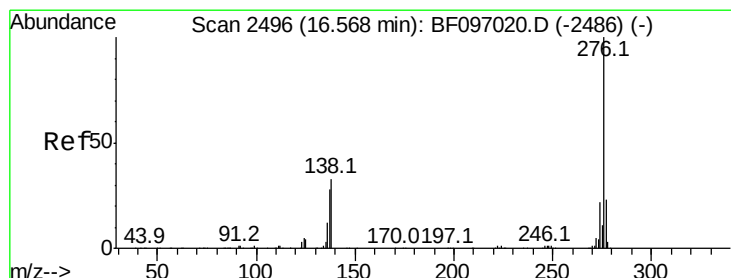
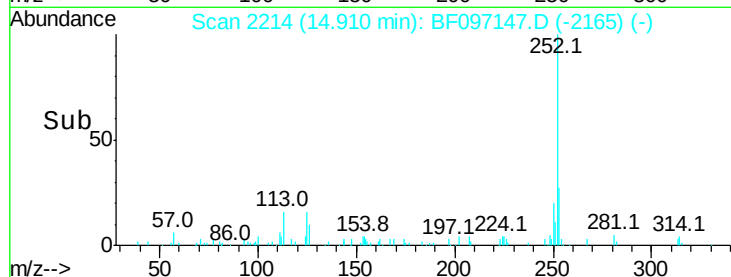
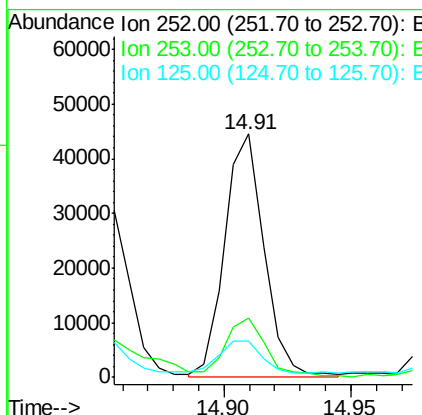
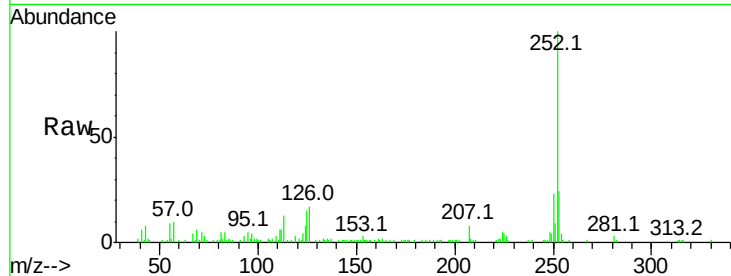
#89
Benzo(a)pyrene
Concen: 4.972 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	15.2	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.006 ng
RT: 16.54 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	18.9	18.6	28.0
138	40.7	25.4	38.0

