

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097366.D
 Acq On : 4 Aug 2017 20:07
 Operator : SJ/JU
 Sample : I4585-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-080217

Manual Integrations
 APPROVED

Sohil
 8/7/2017 6:09:58 PM

Quant Time: Aug 05 00:27:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	122330	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	490816	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	212676	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	297754	20.00	ng	-0.07
75) Chrysene-d12	13.56	240	201346	20.00	ng	-0.07
86) Perylene-d12	14.89	264	176639	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	767983	94.64	ng	-0.05
7) Phenol-d6	6.12	99	891332	96.21	ng	-0.05
23) Nitrobenzene-d5	7.01	82	524506	62.69	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	138420	82.38	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	841174	67.12	ng	-0.07
78) Terphenyl-d14	12.52	244	517129	52.37	ng	-0.07
Target Compounds						
10) Phenol	6.13	94	38239	3.480	ng	93
31) Naphthalene	7.74	128	86279	3.729	ng	98
49) Dimethylphthalate	9.20	163	224048	13.873	ng	99
51) Acenaphthene	9.49	154	121553	10.057	ng	95
54) Dibenzofuran	9.67	168	75582	4.695	ng	96
57) Fluorene	10.00	166	101985	8.429	ng	96
70) Phenanthrene	10.96	178	521208	32.670	ng	99
71) Anthracene	11.01	178	259821	15.901	ng	98
72) Carbazole	11.17	167	35093	2.184	ng	97
74) Fluoranthene	12.14	202	920641	58.905	ng	98
77) Pyrene	12.36	202	802901	48.709	ng	99
80) Benzo(a)anthracene	13.54	228	403147	30.945	ng	99
82) Chrysene	13.58	228	338739	26.628	ng	98
85) Indeno(1,2,3-cd)pyrene	16.09	276	139665	12.804	ng	96
87) Benzo(b)fluoranthene	14.54	252	439785m	41.418	ng	
88) Benzo(k)fluoranthene	14.57	252	103257m	10.205	ng	
89) Benzo(a)pyrene	14.84	252	292554	30.104	ng	96
90) Dibenzo(a,h)anthracene	16.09	278	33707m	4.230	ng	
91) Benzo(a,h,i)perylene	16.44	276	127232	15.224	ng	99

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

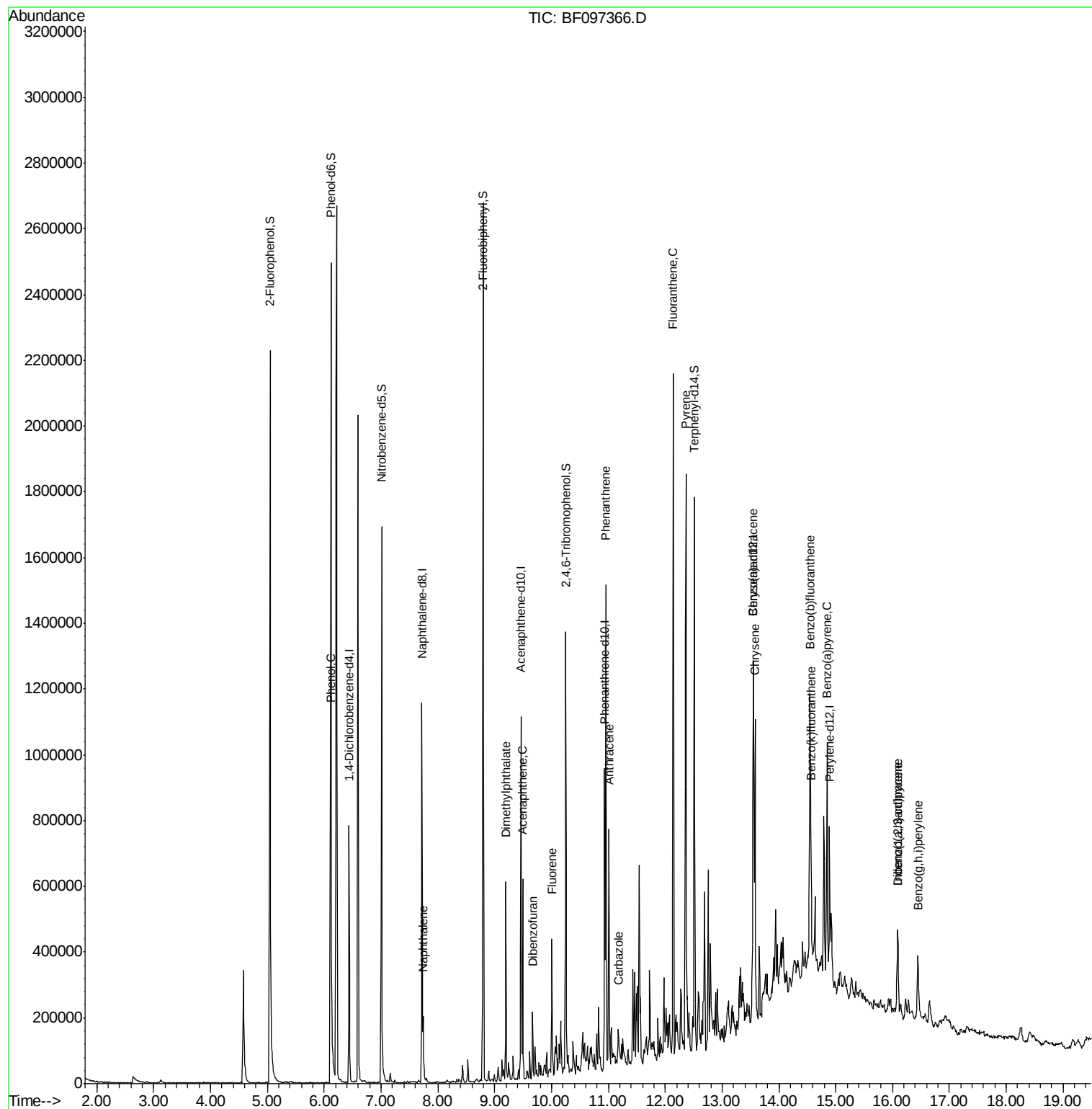
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
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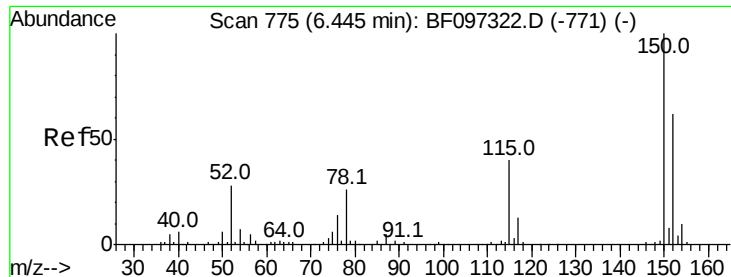
Instrument :
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#1

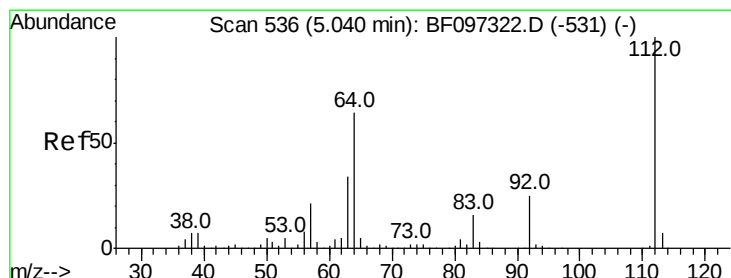
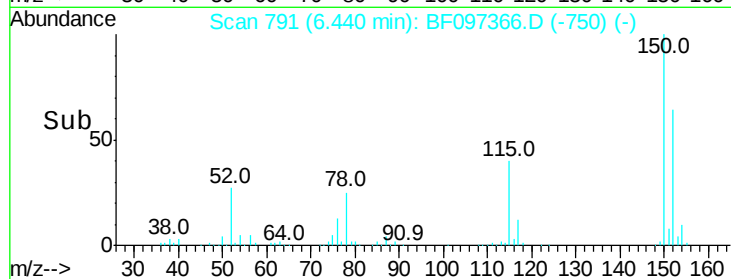
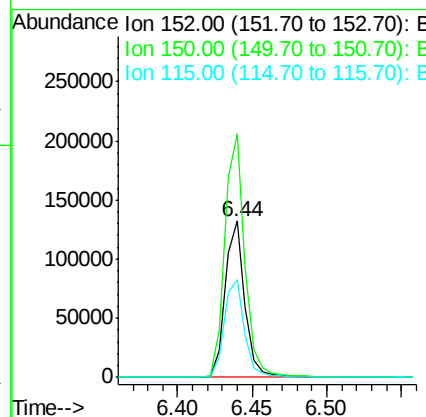
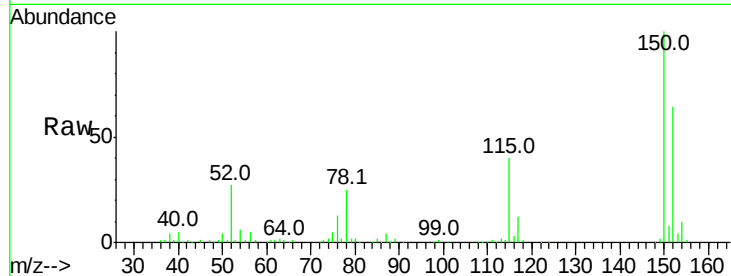
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Instrument :
BNA_F
ClientSampleId :
OR-01-080217

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	126.2	189.2
115	62.2	52.2	78.2

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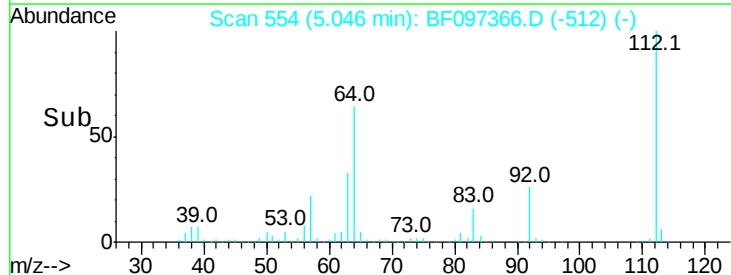
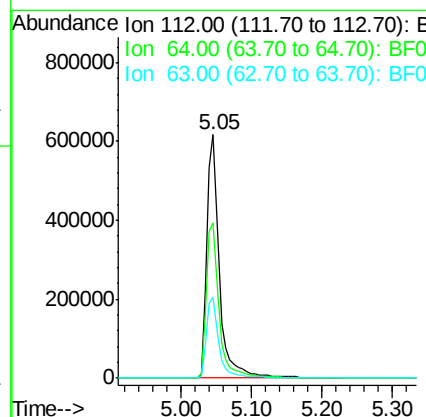
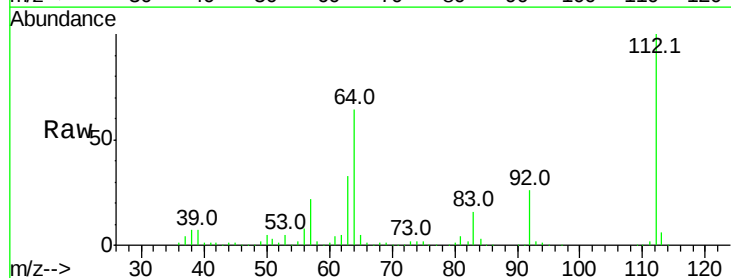
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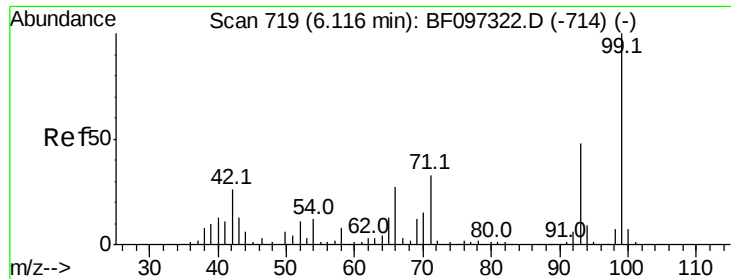


#5

2-Fluorophenol
Concen: 94.640 ng
RT: 5.05 min Scan# 554
Delta R.T. -0.05 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	46.0	69.0
63	33.3	23.4	35.0





#7

Phenol-d6

Concen: 96.214 ng

RT: 6.12 min Scan# 736

Delta R.T. -0.05 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

Instrument :

BNA_F

ClientSampleId :

OR-01-080217

Tot Ion: 99 Resp: 891332

Ion Ratio Lower Upper

99 100

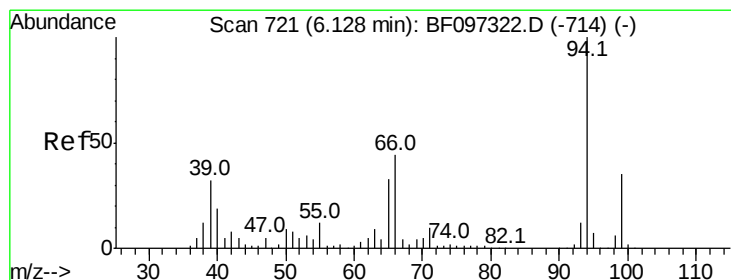
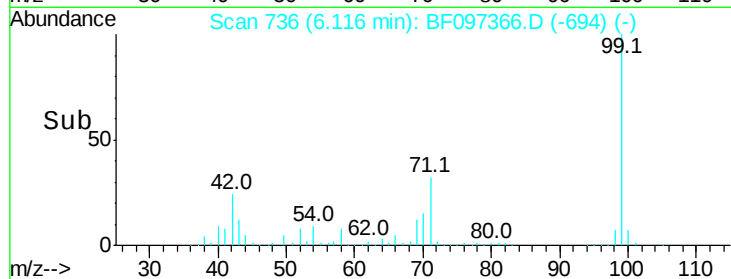
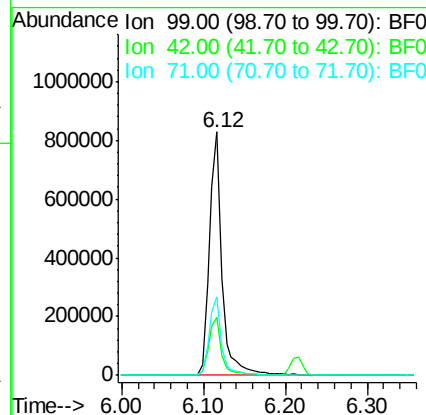
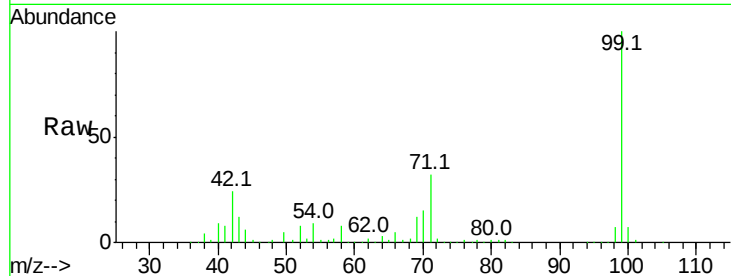
42 24.0 13.5 20.3#

71 32.4 24.5 36.7

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#10

Phenol

Concen: 3.480 ng

RT: 6.13 min Scan# 738

Delta R.T. -0.05 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

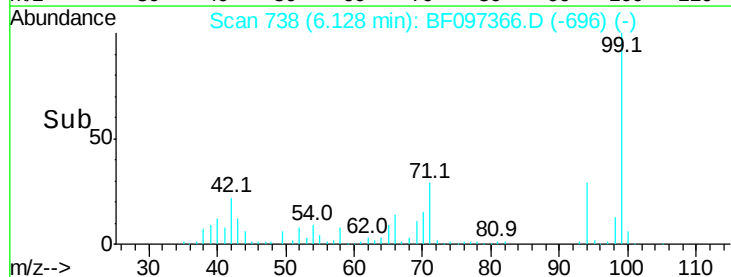
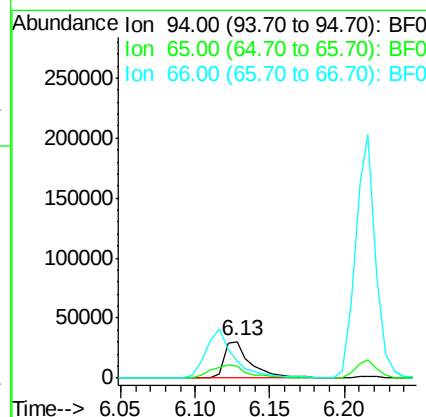
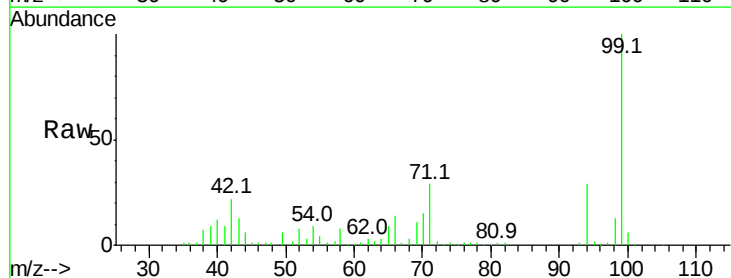
Tgt Ion: 94 Resp: 38239

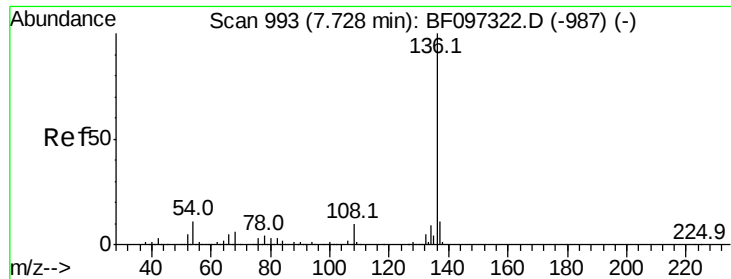
Ion Ratio Lower Upper

94 100

65 32.5 9.9 49.9

66 48.4 23.1 63.1





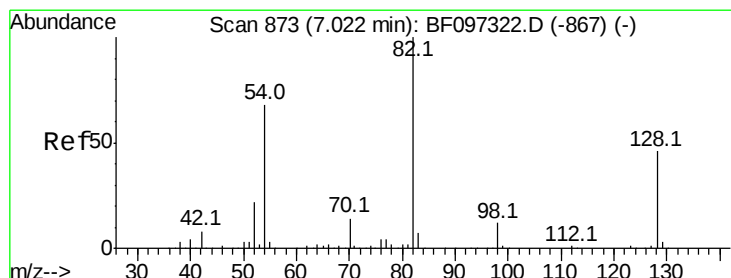
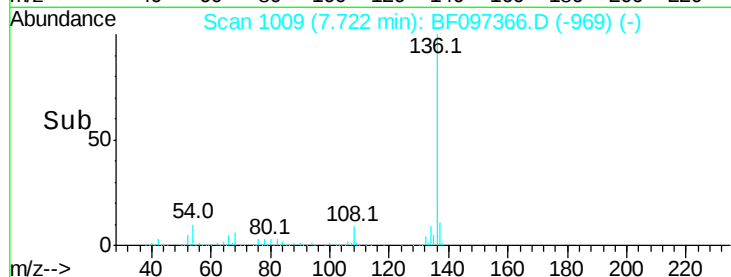
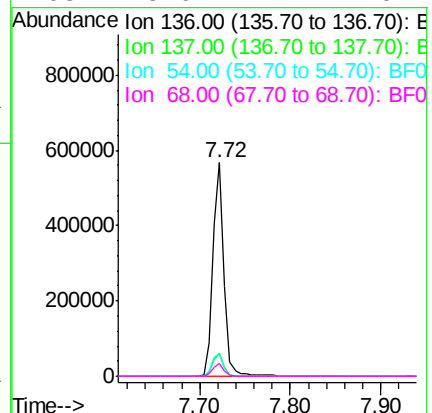
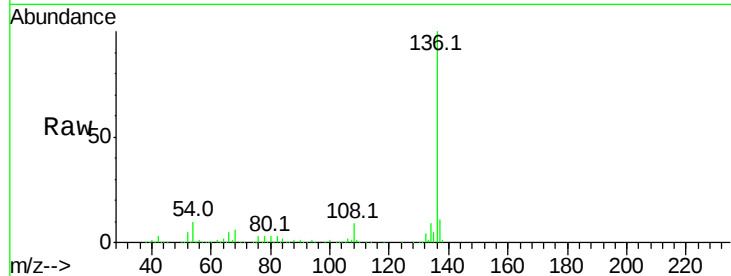
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.72 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Instrument :
BNA_F
ClientSampleId :
OR-01-080217

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.5	12.7	
54	10.2	4.9	7.3#	
68	5.9	4.1	6.1	

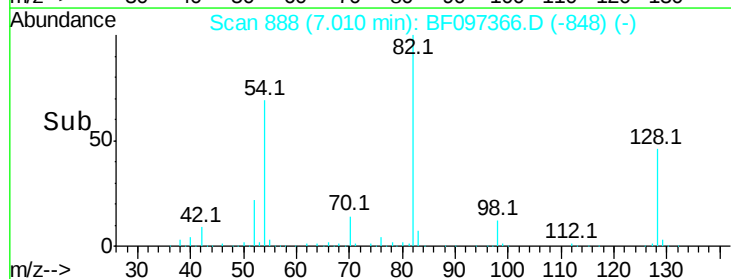
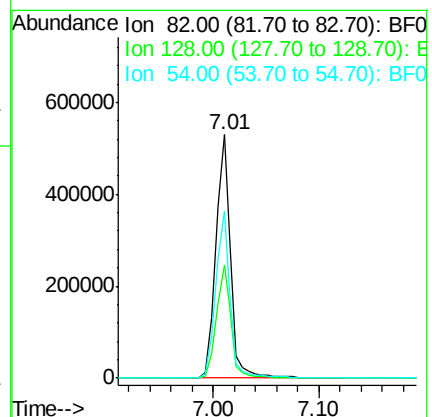
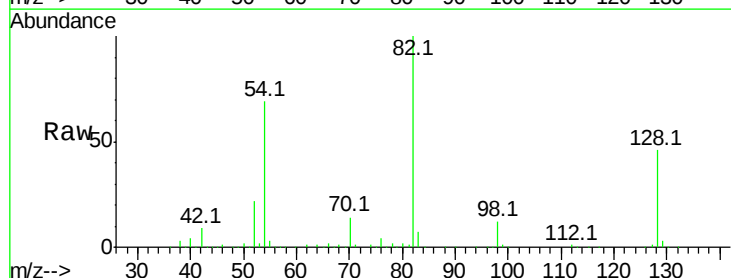
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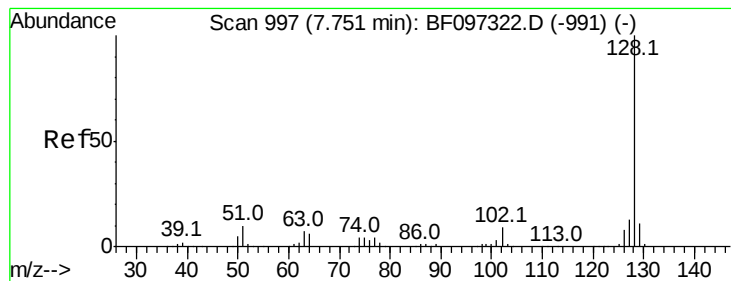
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#23
Nitrobenzene-d5
Concen: 62.691 ng
RT: 7.01 min Scan# 888
Delta R.T. -0.06 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.2	34.0	51.0	
54	68.7	42.2	63.2#	





#31

Naphthalene

Concen: 3.729 ng

RT: 7.74 min Scan# 1012

Delta R.T. -0.07 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

Instrument :

BNA_F

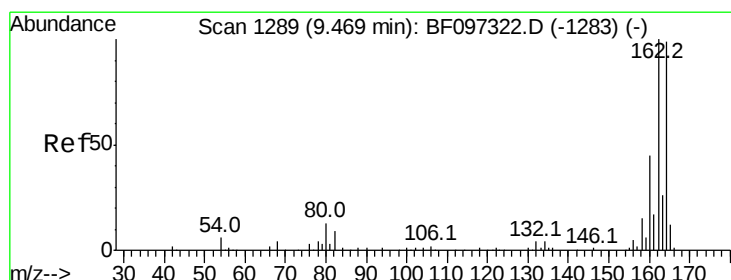
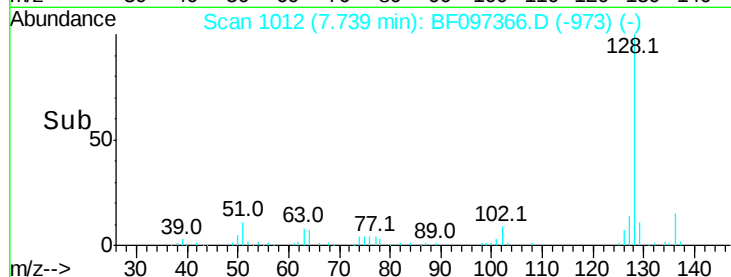
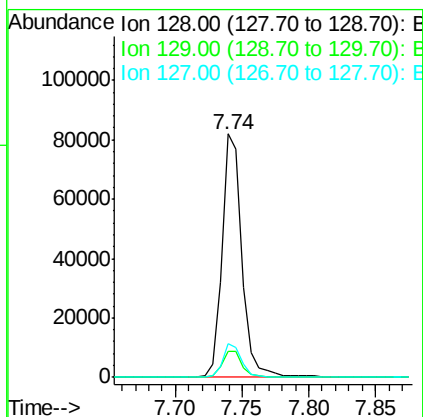
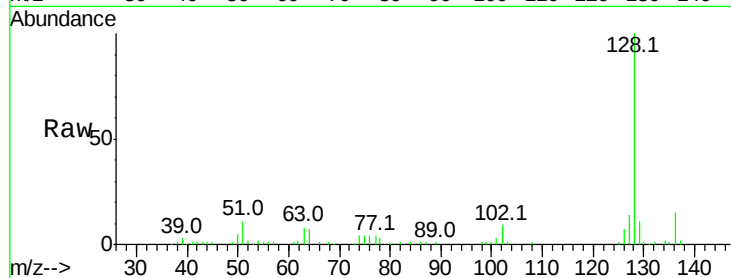
ClientSampleId :

OR-01-080217

Tot Ion:128	Resp:	86279
Ion Ratio	Lower	Upper
128 100		
129 10.6	9.0	13.6
127 14.1	10.8	16.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

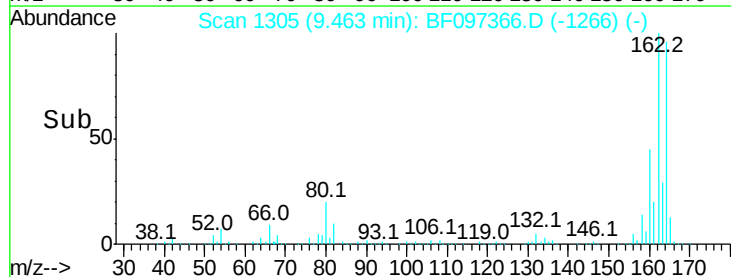
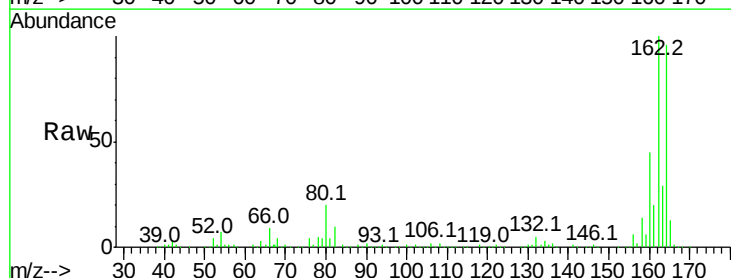
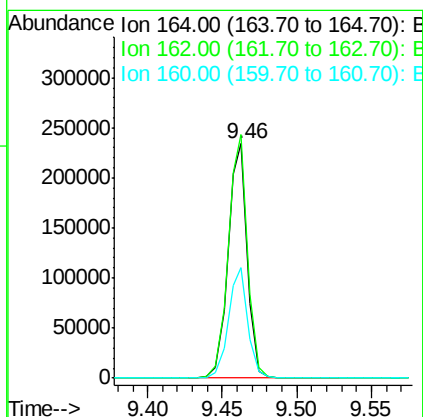
RT: 9.46 min Scan# 1305

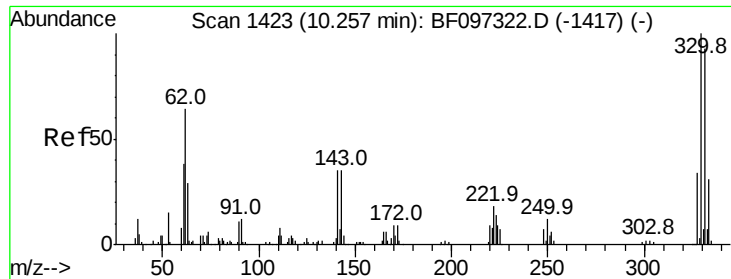
Delta R.T. -0.07 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

Tgt Ion:164	Resp:	212676
Ion Ratio	Lower	Upper
164 100		
162 104.0	82.6	123.8
160 47.0	36.2	54.2





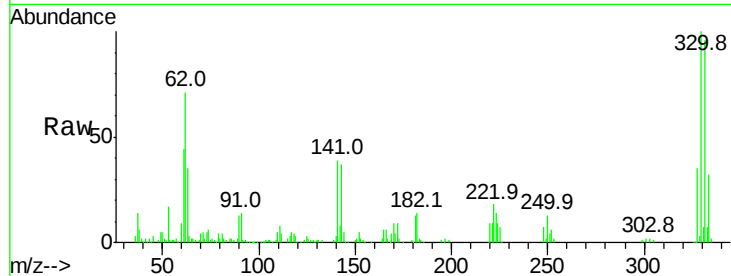
#41
 2,4,6-Tribromophenol
 Concen: 82.376 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.07 min
 Lab File: BF097366.D
 Acq: 4 Aug 2017 20:07

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-080217

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	76.6	115.0	
141	41.9	31.4	47.2	

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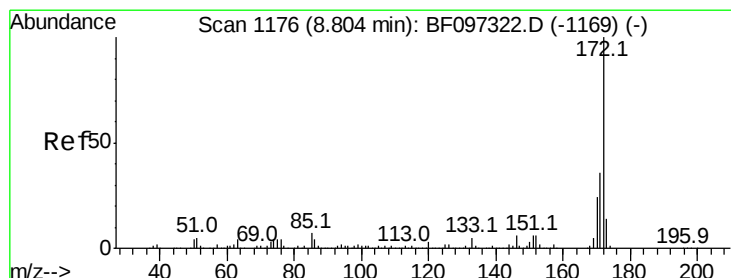
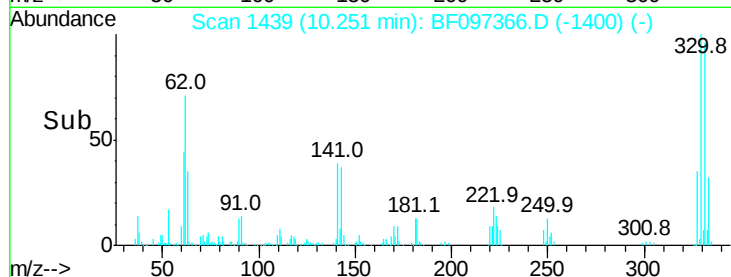
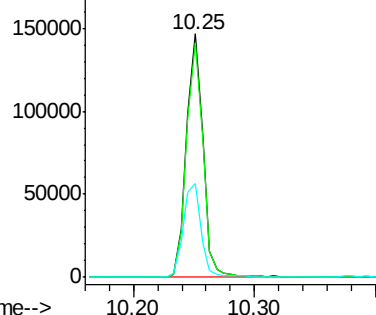


Abundance

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: 67.123 ng
 RT: 8.80 min Scan# 1192
 Delta R.T. -0.07 min
 Lab File: BF097366.D
 Acq: 4 Aug 2017 20:07

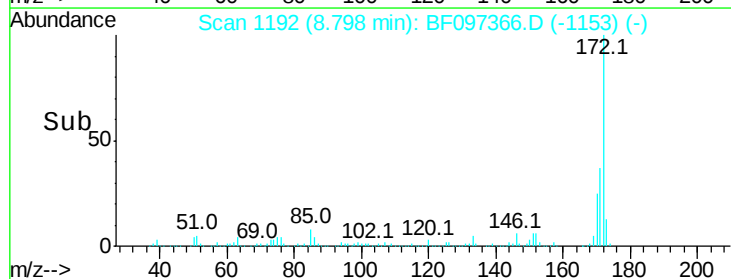
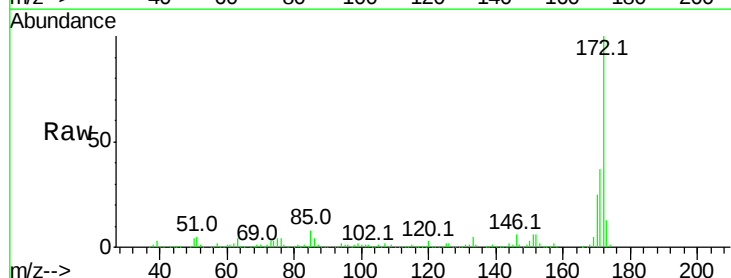
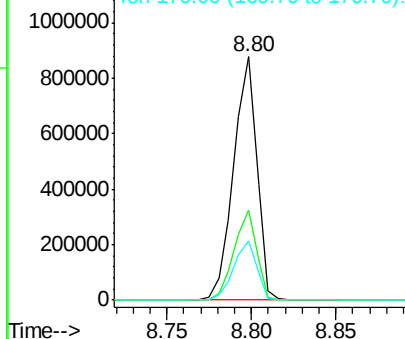
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.0	29.6	44.4	
170	24.5	19.8	29.8	

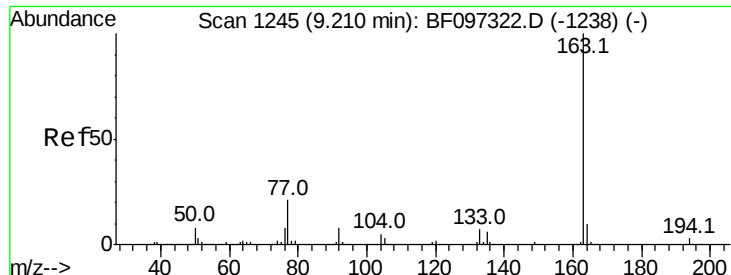
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





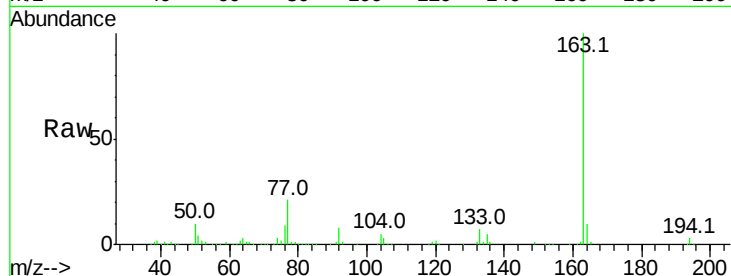
#49
Dimethylphthalate
Concen: 13.873 ng
RT: 9.20 min Scan# 1260
Delta R.T. -0.08 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Instrument :
BNA_F
ClientSampleId :
OR-01-080217

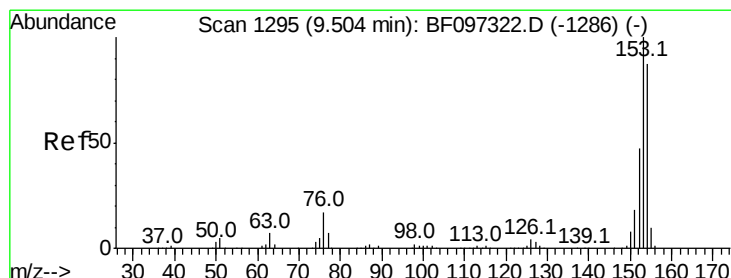
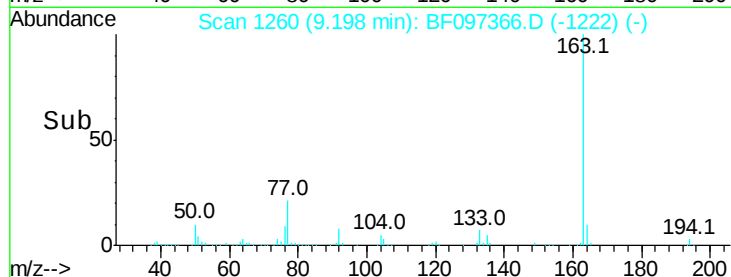
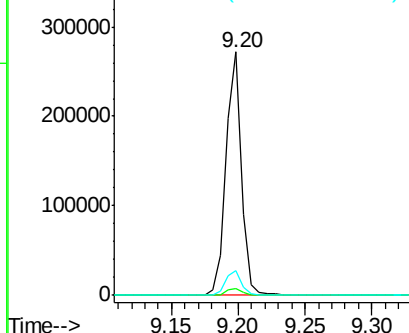
Tot Ion	Ratio	Resp	Lower	Upper
163	100	224048		
194	2.9		2.6	4.0
164	10.3		8.4	12.6

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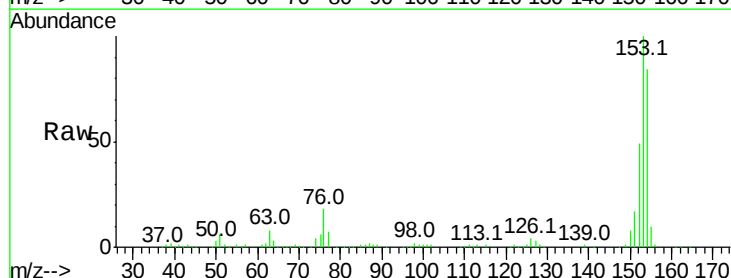


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

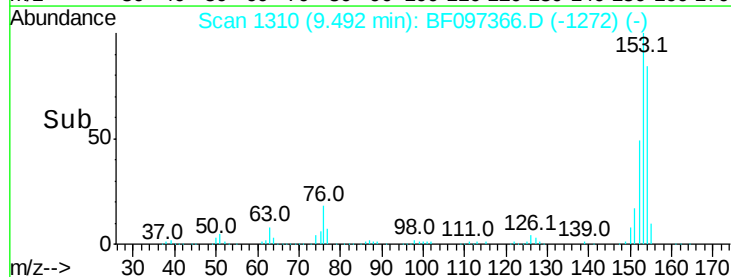
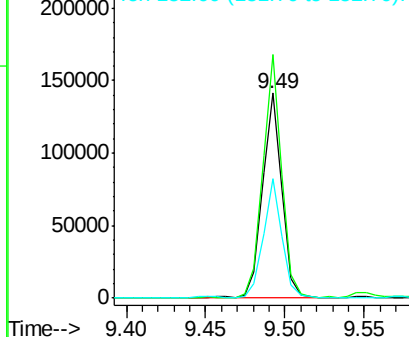


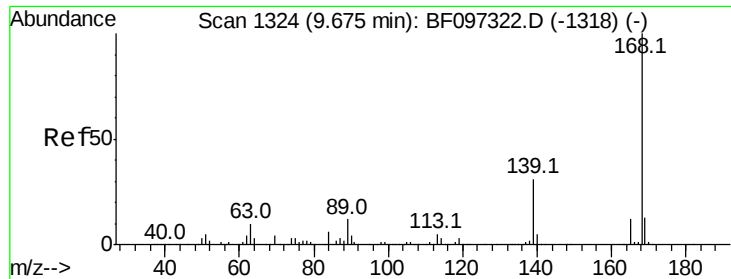
#51
Acenaphthene
Concen: 10.057 ng
RT: 9.49 min Scan# 1310
Delta R.T. -0.08 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	121553		
153	118.8		90.5	135.7
152	58.3		43.6	65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





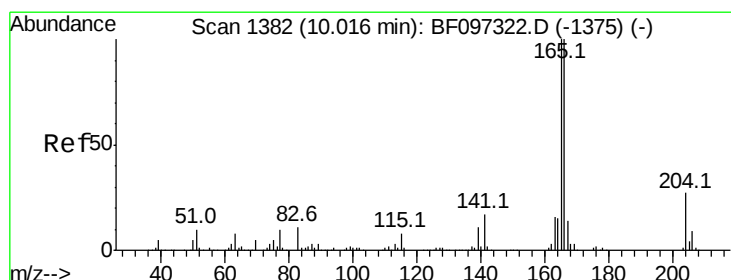
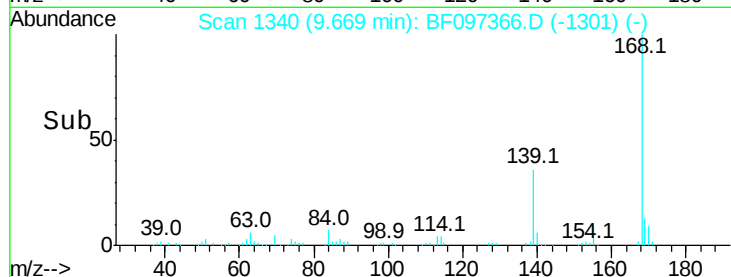
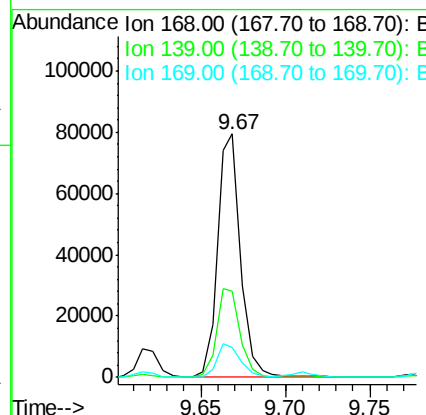
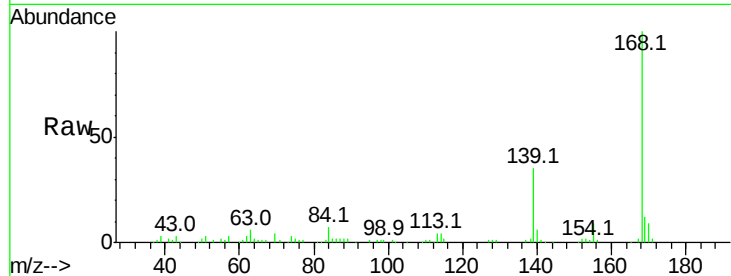
#54
Dibenzenofuran
Concen: 4.695 ng
RT: 9.67 min Scan# 1340
Delta R.T. -0.07 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Instrument :
BNA_F
ClientSampled :
OR-01-080217

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.2	30.6	45.8
169	12.5	10.8	16.2

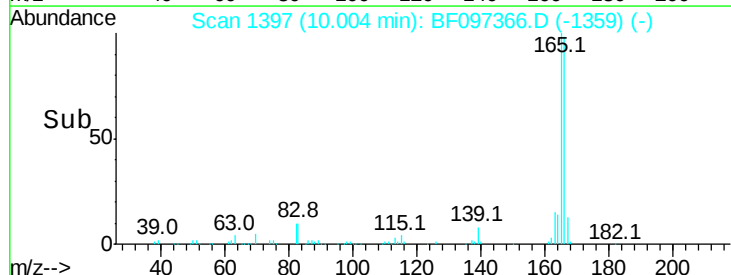
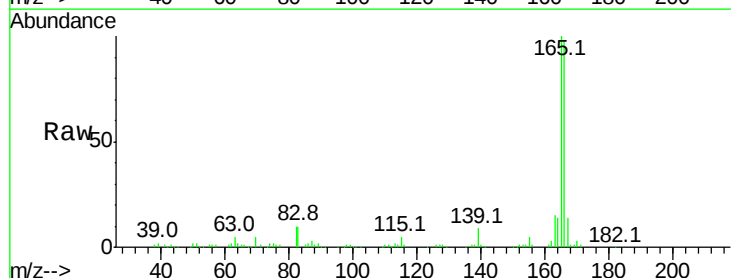
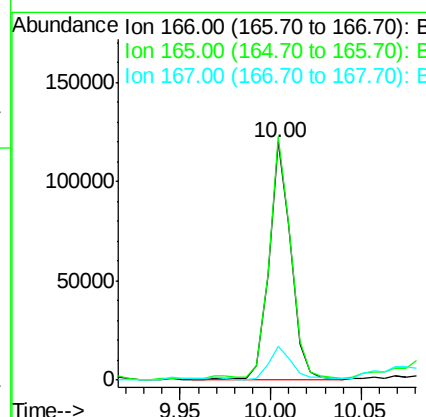
Manual Integrations
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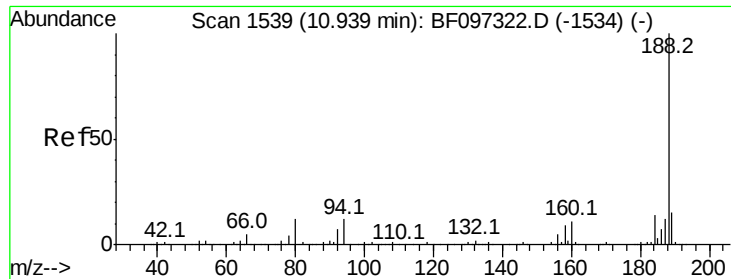
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#57
Fluorene
Concen: 8.429 ng
RT: 10.00 min Scan# 1397
Delta R.T. -0.08 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.2	78.8	118.2
167	14.2	10.6	16.0





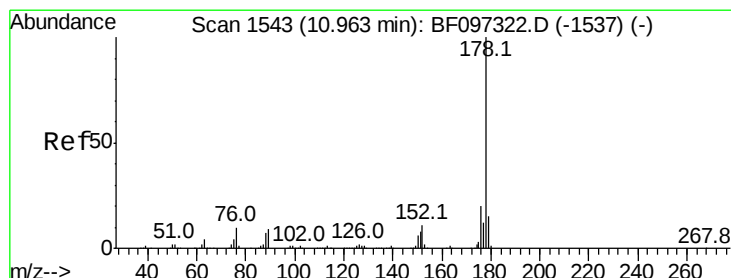
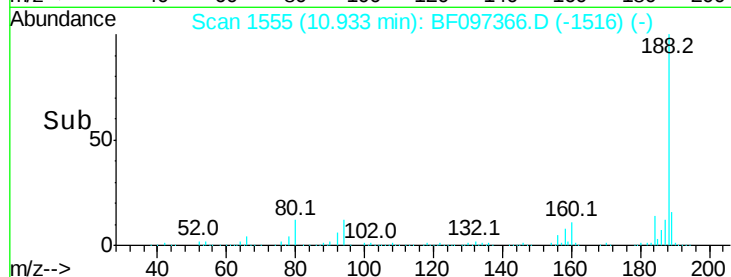
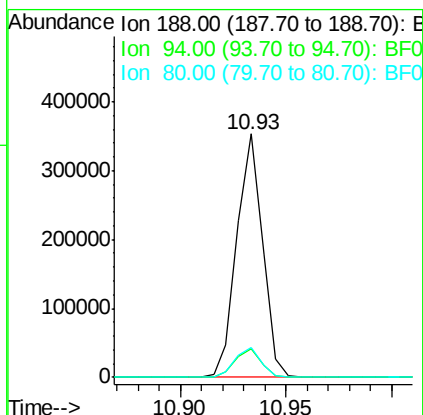
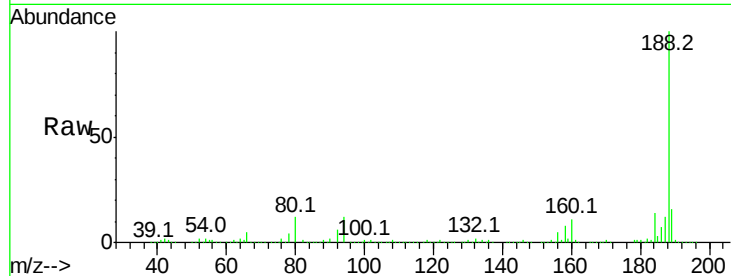
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.07 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Instrument :
BNA_F
ClientSampleId :
OR-01-080217

Tot Ion	Ratio	Resp	Lower	Upper
188	100	297754		
94	11.8		9.4	14.2
80	12.0		10.2	15.2

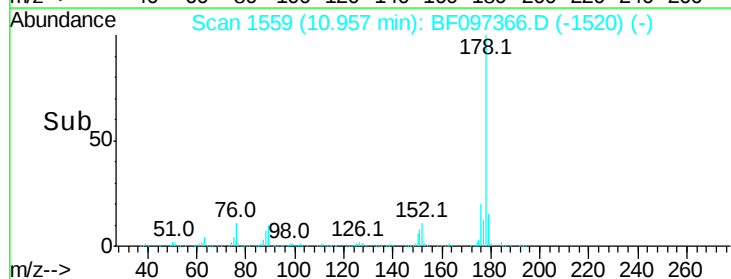
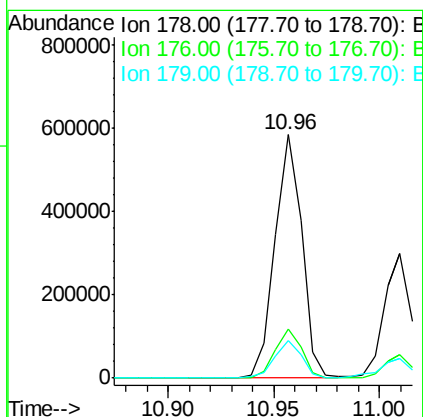
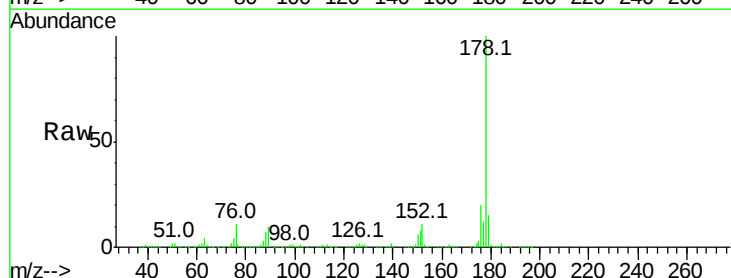
Manual Integrations
APPROVED

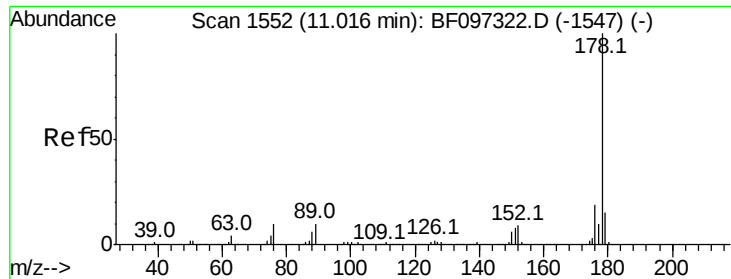
Sohil
8/7/2017 6:09:58 PM



#70
Phenanthrene
Concen: 32.670 ng
RT: 10.96 min Scan# 1559
Delta R.T. -0.07 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	521208		
176	20.0		16.2	24.4
179	15.2		12.6	19.0





#71

Anthracene

Concen: 15.901 ng

RT: 11.01 min Scan# 1568

Delta R.T. -0.07 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

Instrument :

BNA_F

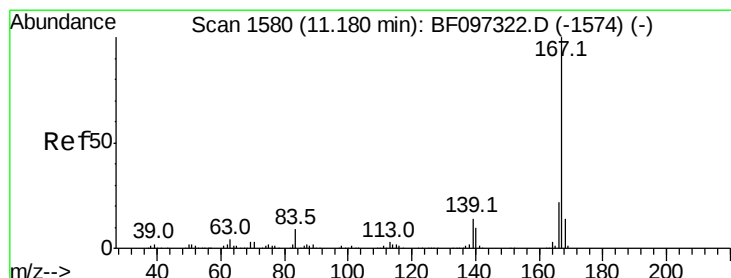
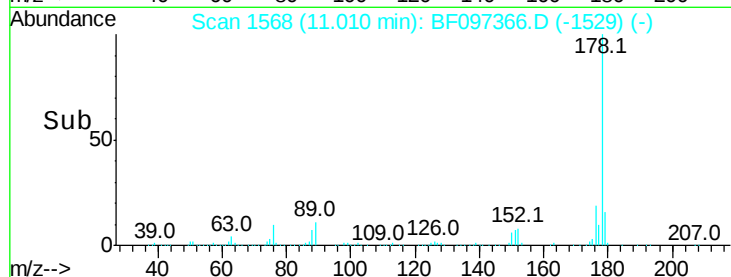
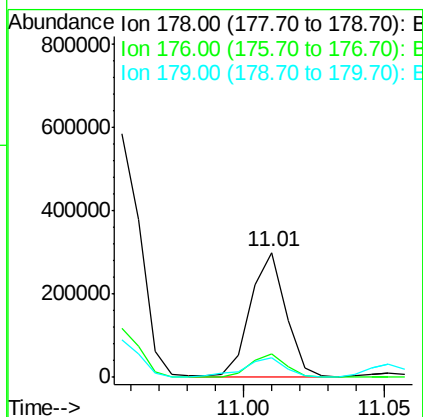
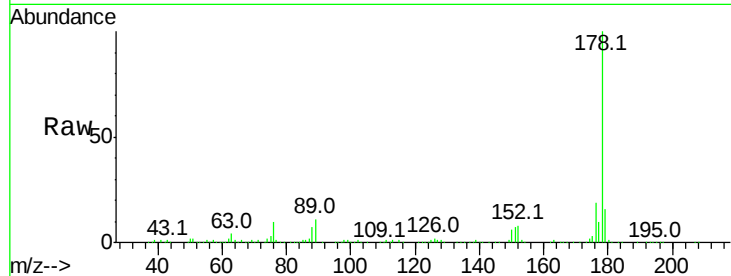
ClientSampleId :

OR-01-080217

Tot Ion:	178	Resp:	259821
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.8	23.8
179	15.6	12.7	19.1

Manual Integrations
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#72

Carbazole

Concen: 2.184 ng

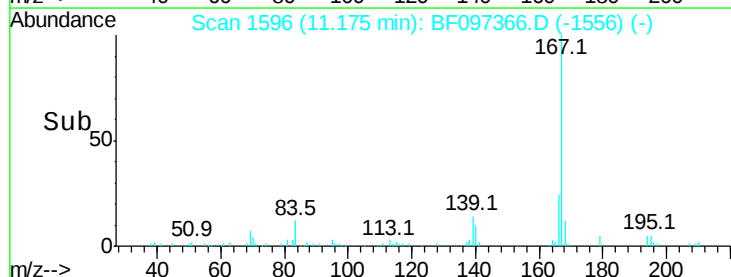
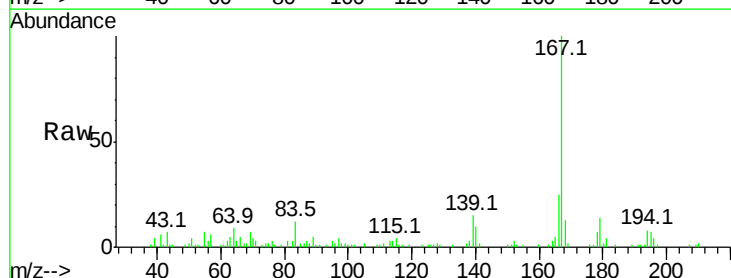
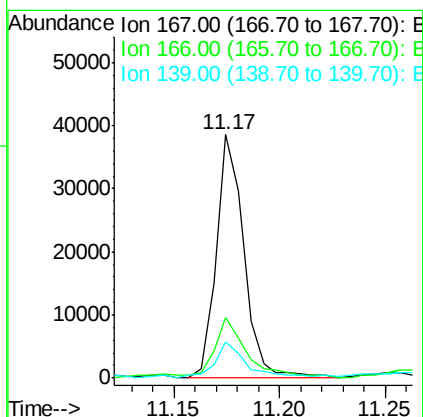
RT: 11.17 min Scan# 1596

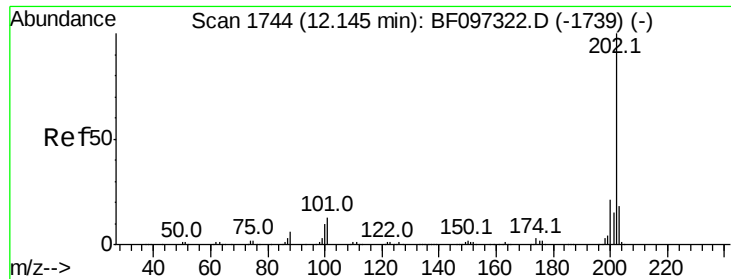
Delta R.T. -0.06 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

Tgt Ion:	167	Resp:	35093
Ion Ratio	Lower	Upper	
167	100		
166	24.9	18.1	27.1
139	14.8	11.7	17.5





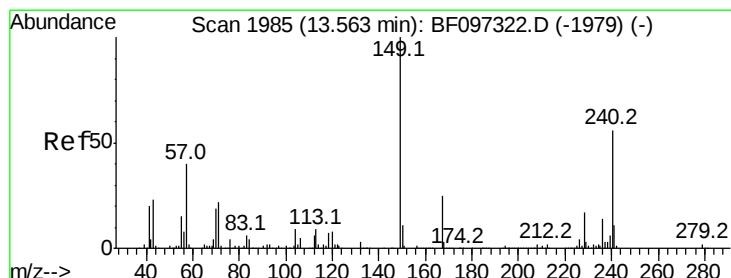
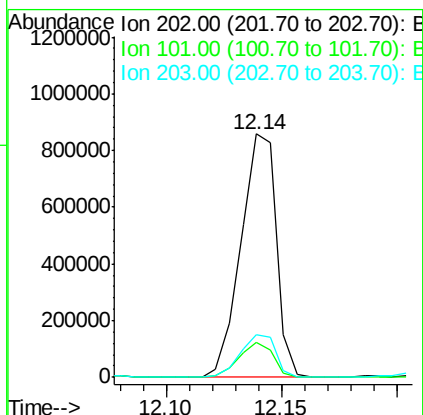
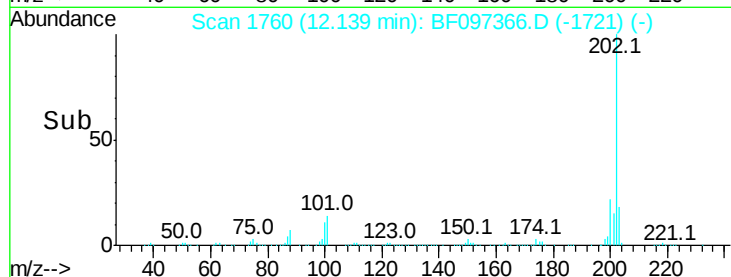
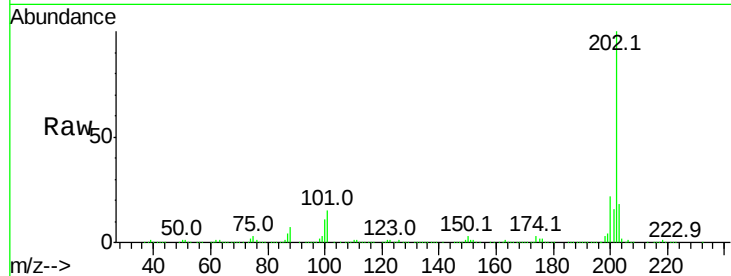
#74
Fluoranthene
Concen: 58.905 ng
RT: 12.14 min Scan# 1760
Delta R.T. -0.07 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Instrument :
BNA_F
ClientSampleId :
OR-01-080217

Tot Ion	Ratio	Resp	Lower	Upper
202	100	920641		
101	14.6	0.0	33.2	
203	17.7	0.0	38.1	

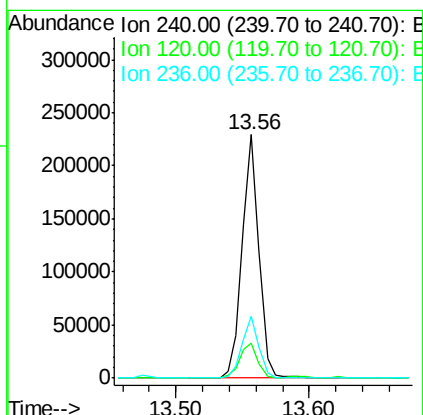
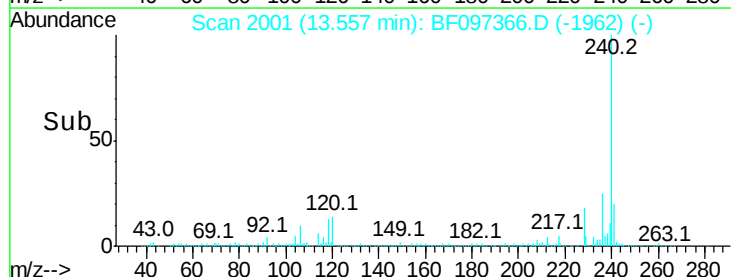
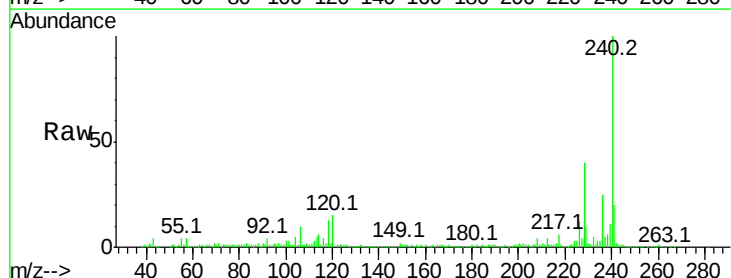
Manual Integrations
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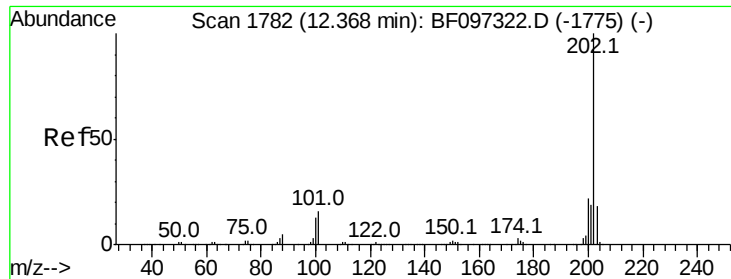
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.56 min Scan# 2001
Delta R.T. -0.07 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	201346		
120	14.5	5.8	8.8#	
236	25.2	20.5	30.7	





#77

Pvrene

Concen: 48.709 ng

RT: 12.36 min Scan# 1798

Delta R.T. -0.07 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

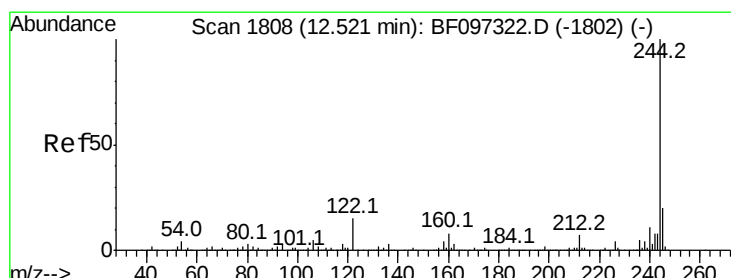
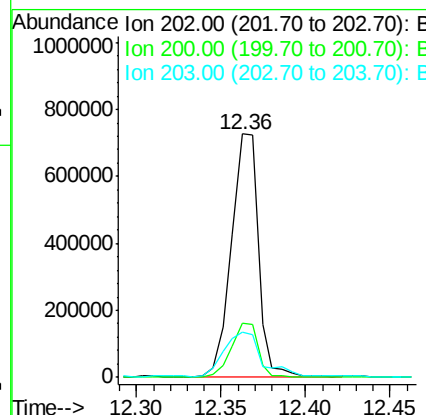
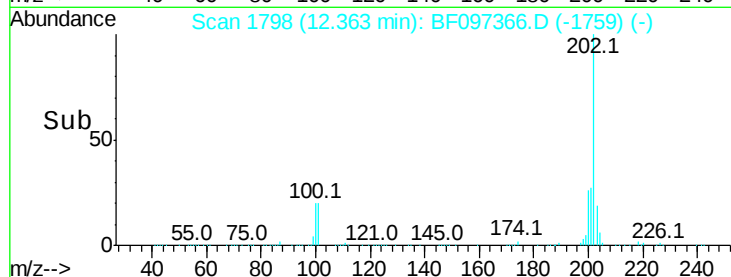
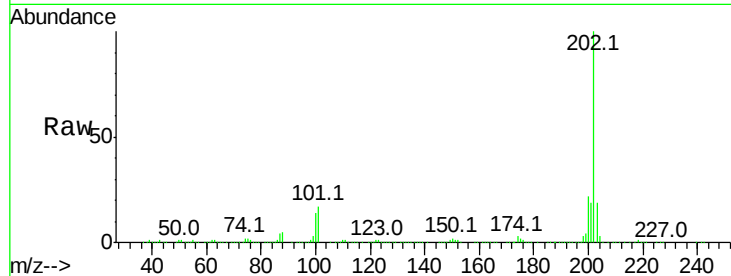
Instrument :
BNA_F

ClientSampleId :
OR-01-080217

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.3	17.6	26.4
203	18.8	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 52.365 ng

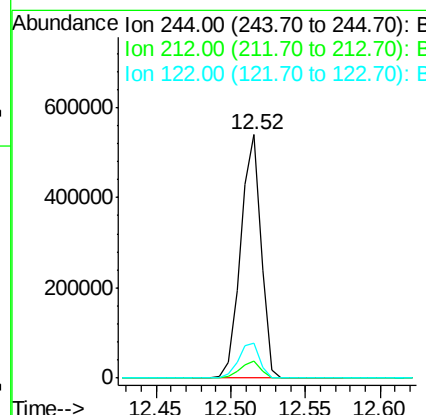
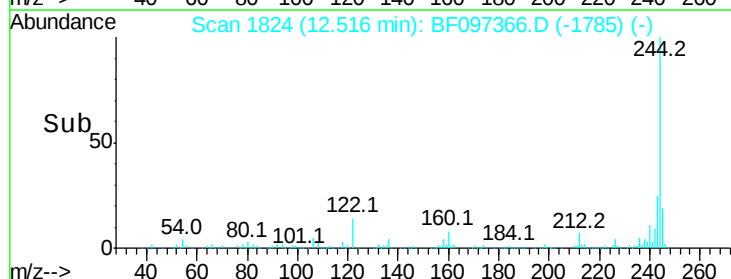
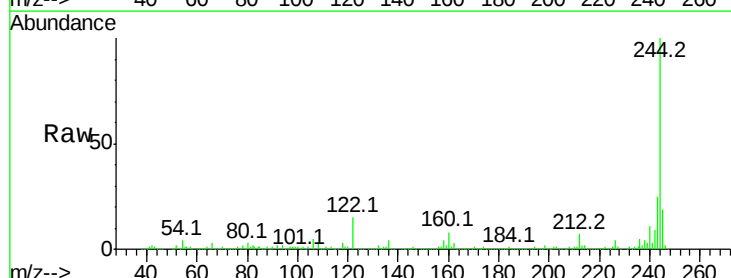
RT: 12.52 min Scan# 1824

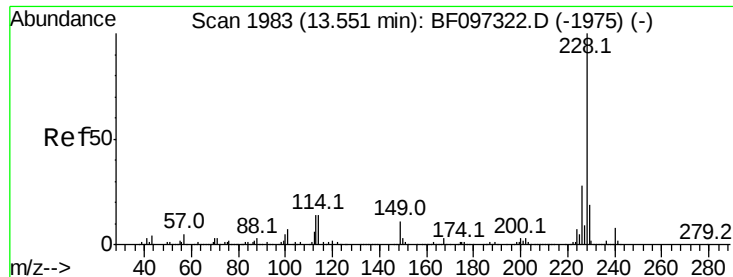
Delta R.T. -0.07 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	6.0	9.0
122	14.6	10.3	15.5





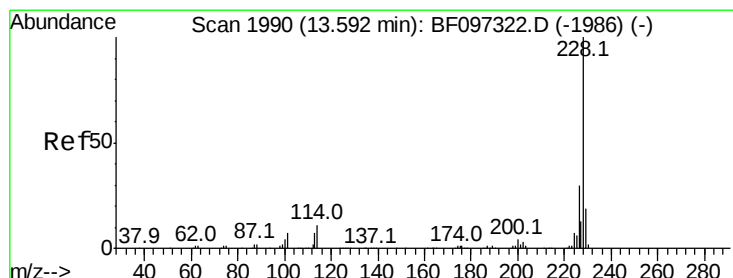
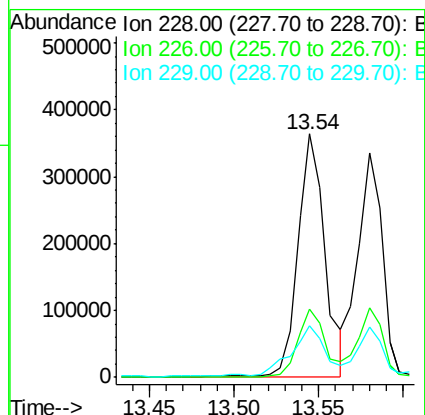
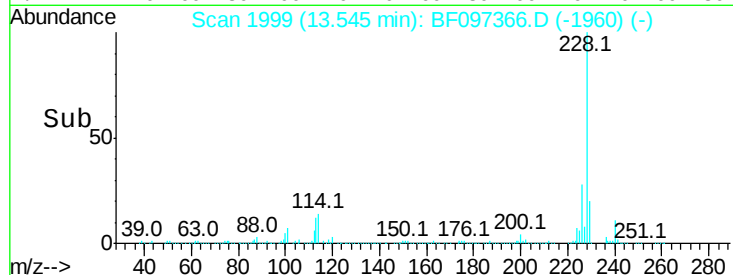
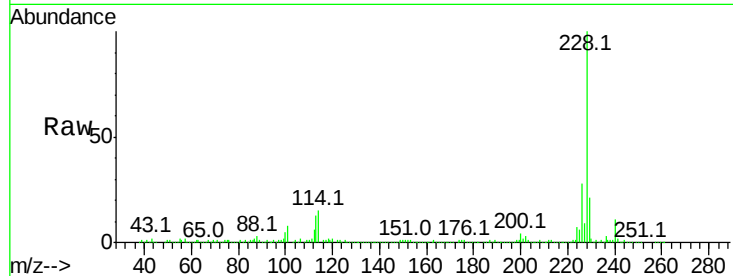
#80
Benzo(a)anthracene
Concen: 30.945 ng
RT: 13.54 min Scan# 1999
Delta R.T. -0.07 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Instrument :
BNA_F
ClientSampleId :
OR-01-080217

Tot Ion:228	Resp:	403147
Ion Ratio	Lower	Upper
228 100		
226 28.2	22.6	33.8
229 21.2	16.3	24.5

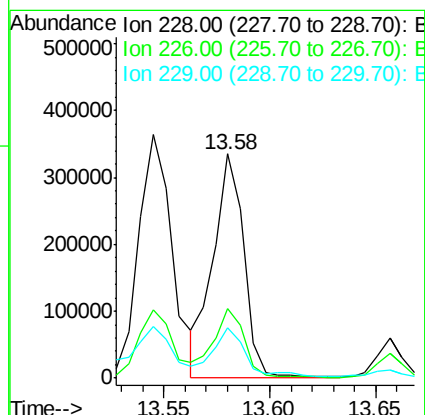
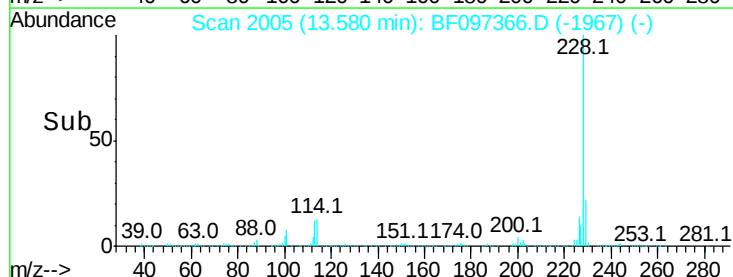
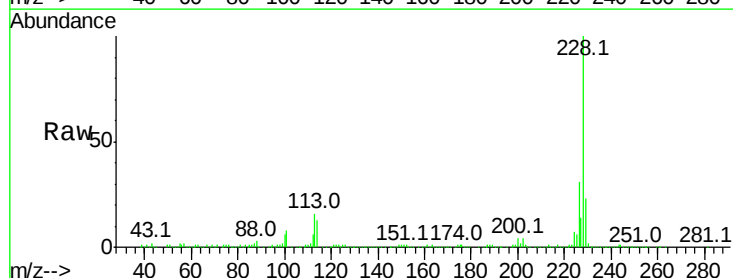
Manual Integrations
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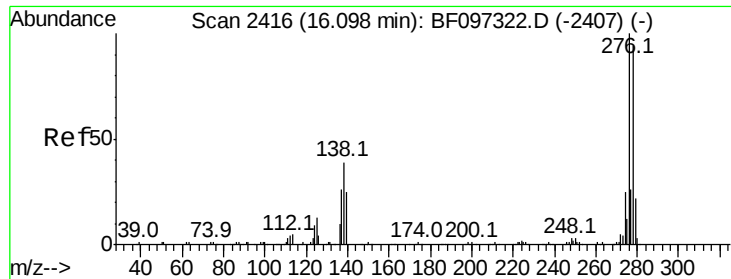
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#82
Chrysene
Concen: 26.628 ng
RT: 13.58 min Scan# 2005
Delta R.T. -0.08 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion:228	Resp:	338739
Ion Ratio	Lower	Upper
228 100		
226 31.1	24.9	37.3
229 22.5	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 12.804 ng

RT: 16.09 min Scan# 2432

Delta R.T. -0.11 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

Instrument :

BNA_F

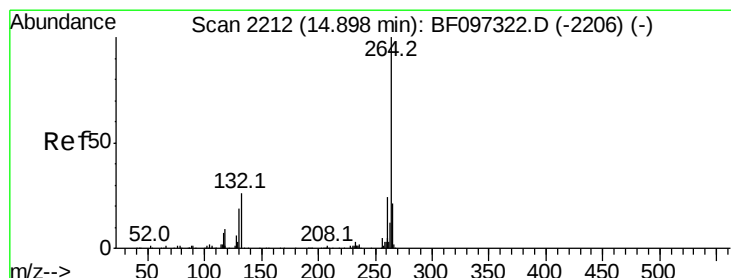
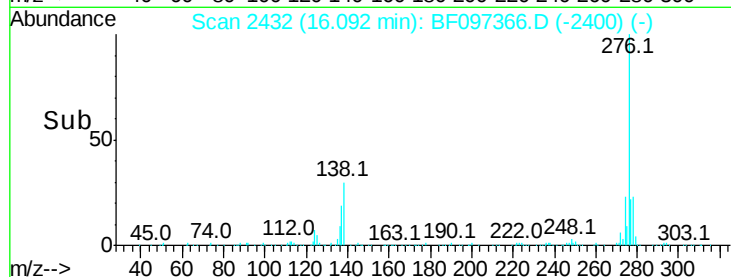
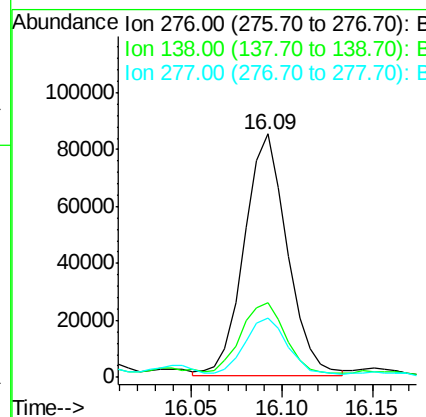
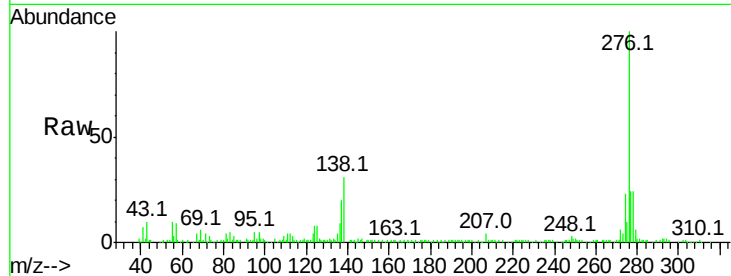
ClientSampleId :

OR-01-080217

Tot Ion:	276	Resp:	139665
Ion Ratio	Lower	Upper	
276	100		
138	31.9	27.8	41.6
277	23.7	20.2	30.4

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

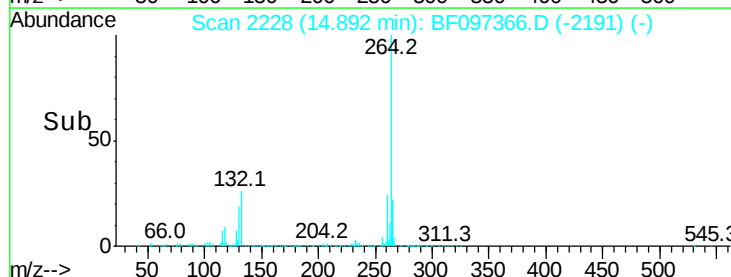
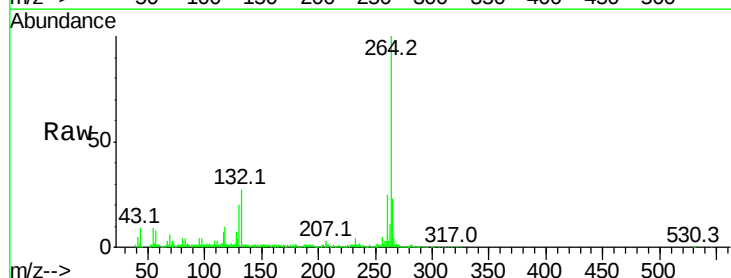
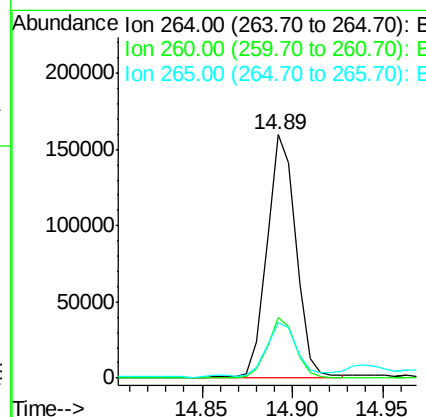
RT: 14.89 min Scan# 2228

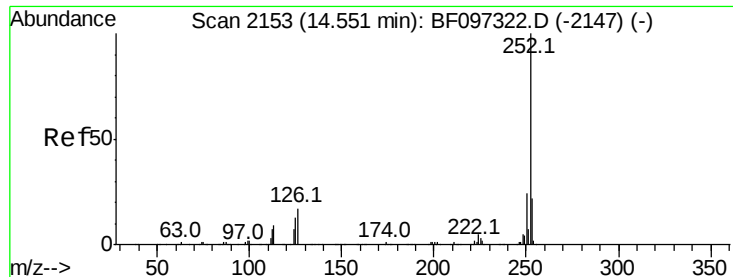
Delta R.T. -0.08 min

Lab File: BF097366.D

Acq: 4 Aug 2017 20:07

Tgt Ion:	264	Resp:	176639
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.5	29.3
265	22.9	17.2	25.8





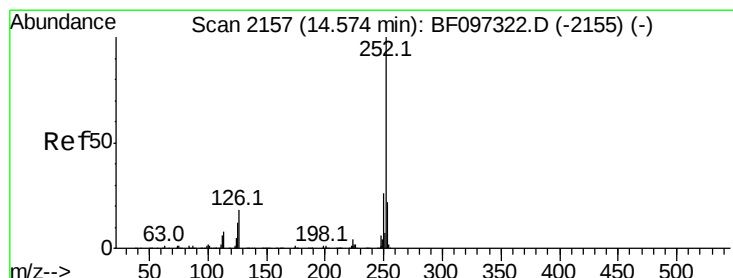
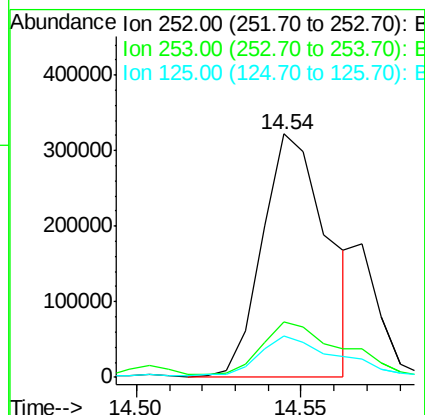
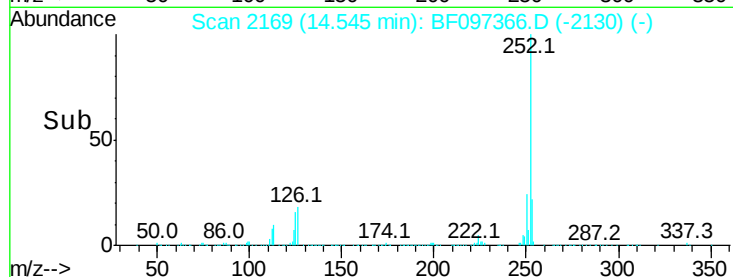
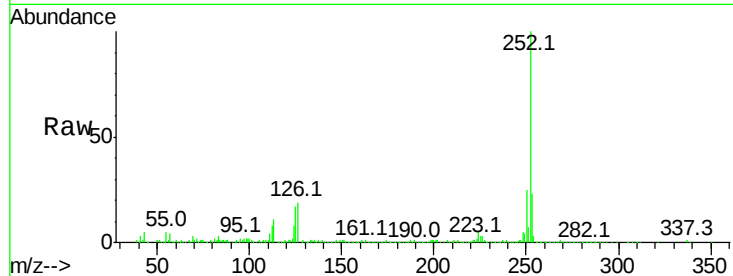
#87
Benzo(b)fluoranthene
Concen: 41.418 ng m
RT: 14.54 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Instrument :
BNA_F
ClientSampleId :
OR-01-080217

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	16.9	9.8	14.8

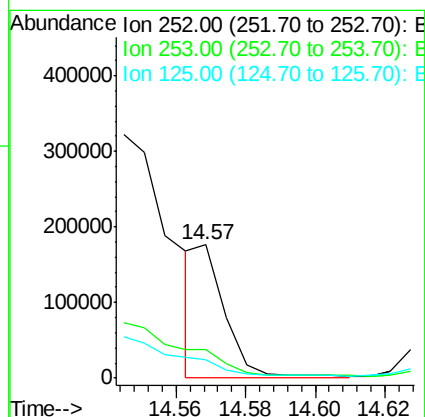
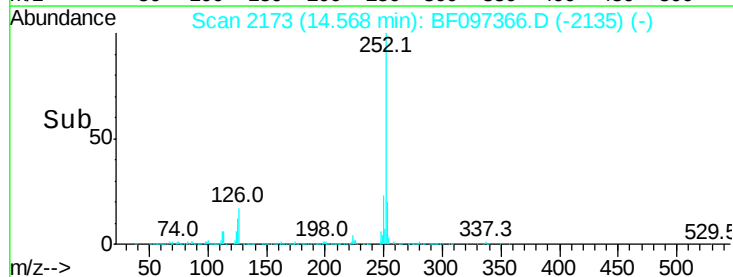
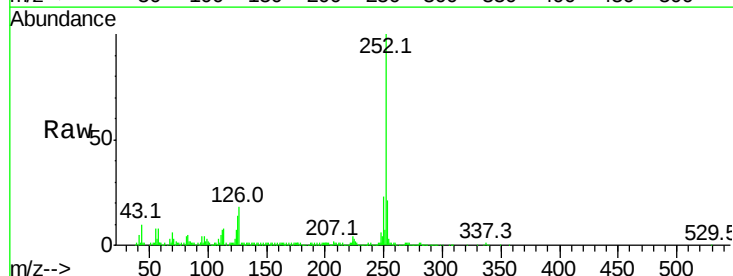
Manual Integrations
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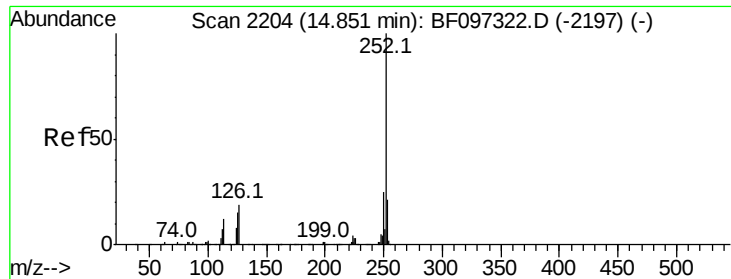
Sohil
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#88
Benzo(k)fluoranthene
Concen: 10.205 ng m
RT: 14.57 min Scan# 2173
Delta R.T. -0.08 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.4	27.6
125	13.8	13.1	19.7





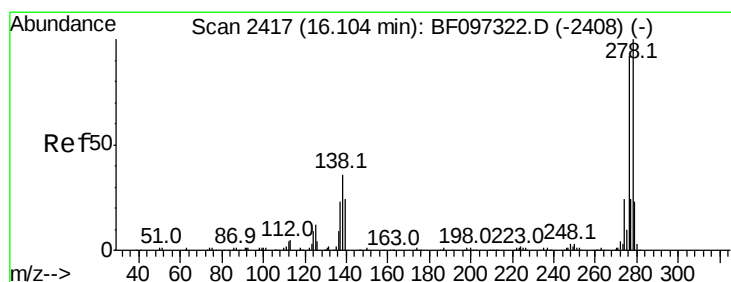
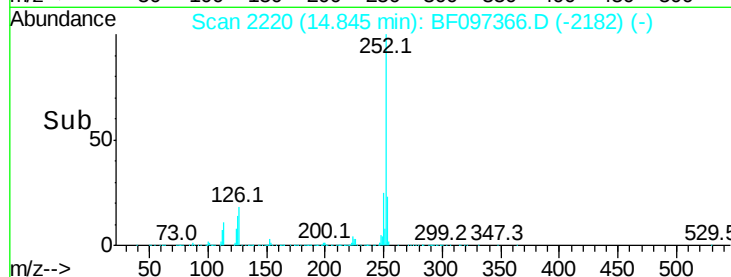
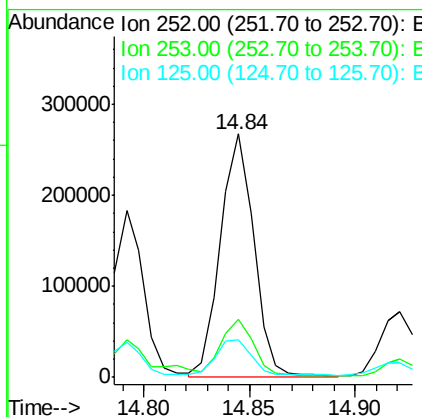
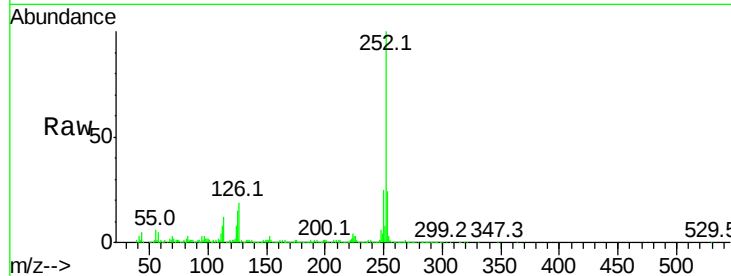
#89
Benzo(a)pyrene
Concen: 30.104 ng
RT: 14.84 min Scan# 2220
Delta R.T. -0.08 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Instrument :
BNA_F
ClientSampleId :
OR-01-080217

Tot Ion	Ratio	Resp	Lower	Upper
252	100	292554		
253	23.6	17.5	26.3	
125	15.4	11.0	16.4	

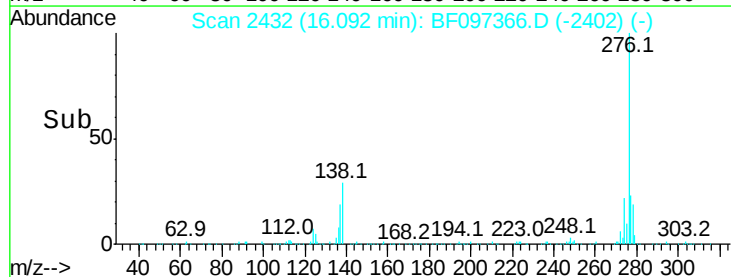
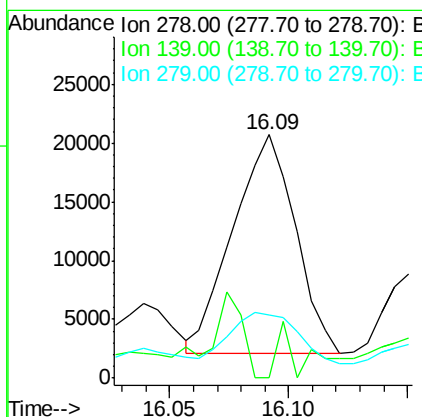
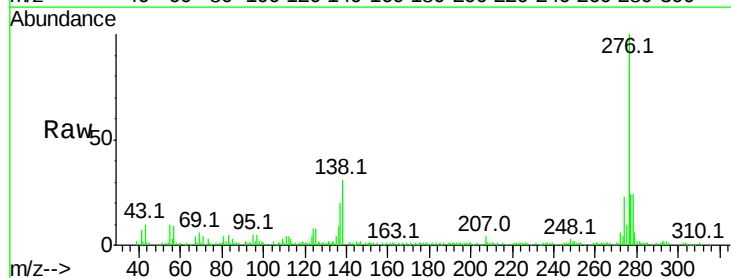
Manual Integrations
APPROVED

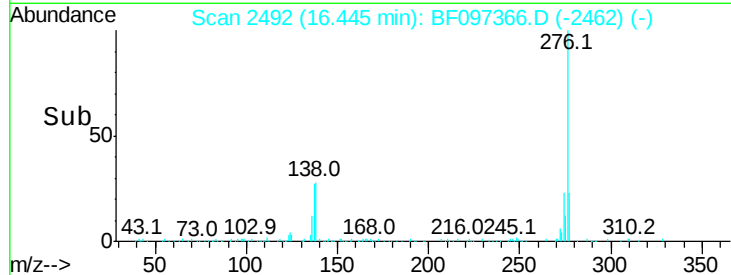
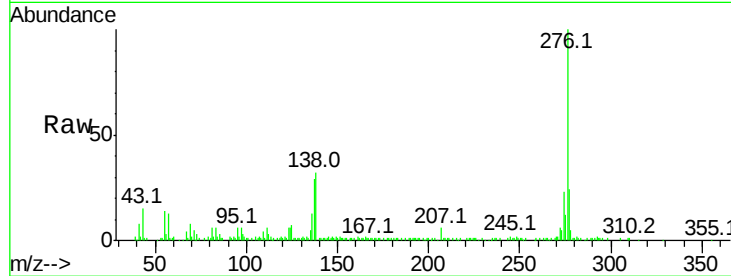
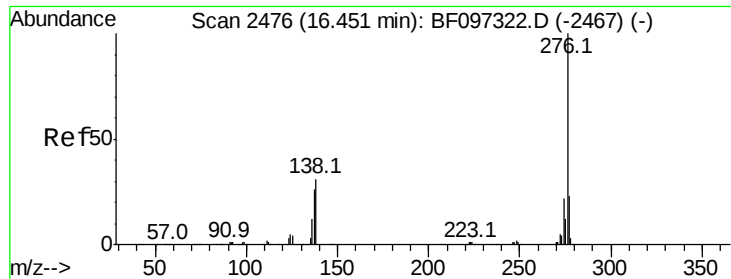
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 4.230 ng m
RT: 16.09 min Scan# 2432
Delta R.T. -0.12 min
Lab File: BF097366.D
Acq: 4 Aug 2017 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	33707		
139	0.0	16.6	24.8#	
279	25.9	19.3	28.9	





#91
 Benzo(a,h,i)perylene
 Concen: 15.224 ng
 RT: 16.44 min Scan# 2492
 Delta R.T. -0.12 min
 Lab File: BF097366.D
 Acq: 4 Aug 2017 20:07

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-080217

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	31.7	25.4	38.0

Manual Integrations
 APPROVED

Sohil
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