

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
 Data File : BF092432.D
 Acq On : 24 Jan 2017 16:47
 Operator : UM/SJ
 Sample : I1304-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15939-COMP

Manual Integrations
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 1/25/2017 3:49:36 PM

Quant Time: Jan 24 17:15:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	152639	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	605788	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	295650	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	465639	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	339727	20.00	ng	-0.01
86) Perylene-d12	15.63	264	302978	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1347230	137.32	ng	0.02
7) Phenol-d6	6.59	99	1498011	119.87	ng	0.00
23) Nitrobenzene-d5	7.53	82	1026803	92.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	256536	127.33	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1433699	89.67	ng	-0.01
78) Terphenyl-d14	13.11	244	1051334	82.41	ng	-0.01
Target Compounds						
10) Phenol	6.60	94	76931	5.10	ng	# 70
49) Dimethylphthalate	9.73	163	213745	11.37	ng	# 97
70) Phenanthrene	11.54	178	87978	3.43	ng	98
74) Fluoranthene	12.73	202	156264	6.23	ng	98
77) Pyrene	12.96	202	157479	6.40	ng	97
80) Benzo(a)anthracene	14.15	228	65042	3.56	ng	94
82) Chrysene	14.18	228	74217m	3.81	ng	
83) Bis(2-ethylhexyl)phthalate	14.15	149	36240	2.89	ng	100
85) Indeno(1,2,3-cd)pyrene	17.11	276	35477	2.46	ng	# 85
87) Benzo(b)fluoranthene	15.20	252	70887m	3.64	ng	
88) Benzo(k)fluoranthene	15.21	252	36073m	2.23	ng	
89) Benzo(a)pyrene	15.56	252	56476	3.43	ng	# 94
91) Benzo(a,h,i)perylene	17.55	276	39323	2.92	ng	# 89

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

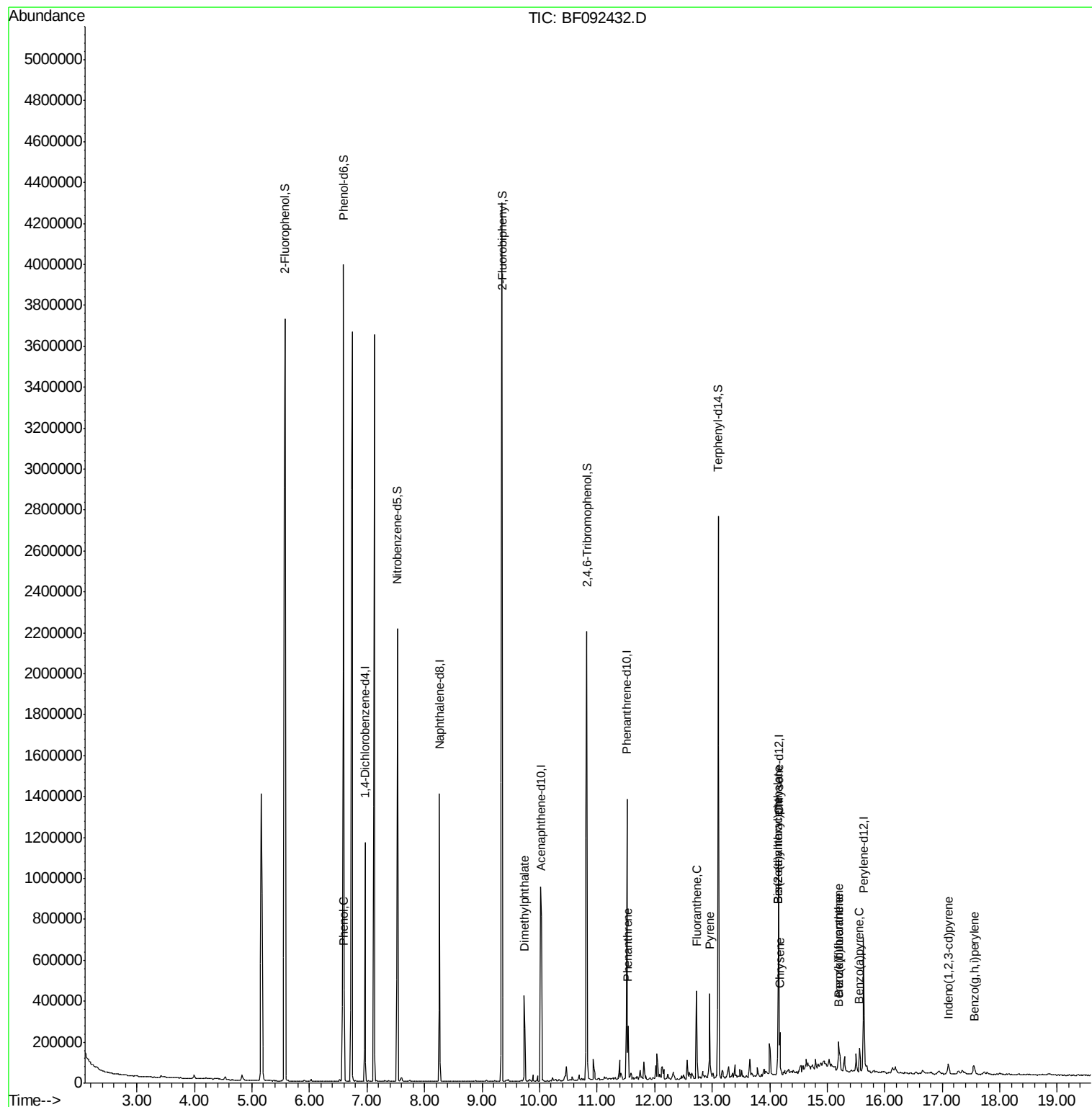
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
Data File : BF092432.D
Acq On : 24 Jan 2017 16:47
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Sample : I1304-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

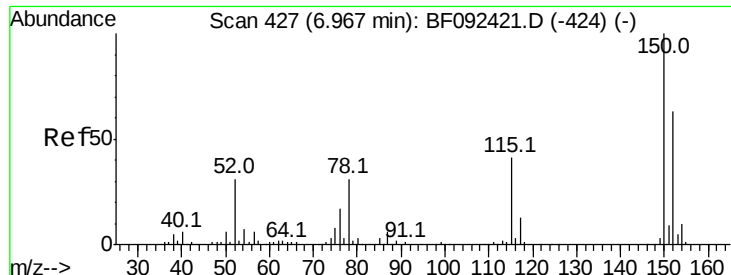
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#1

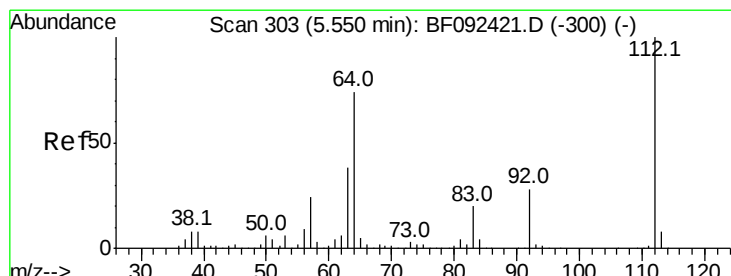
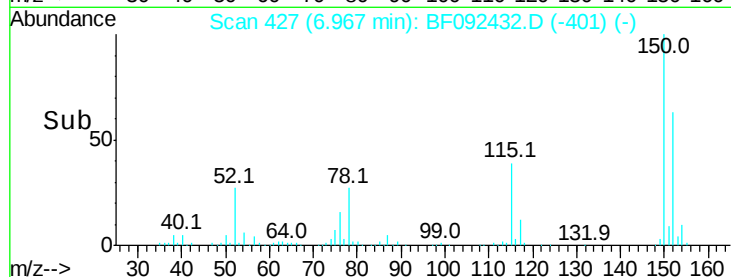
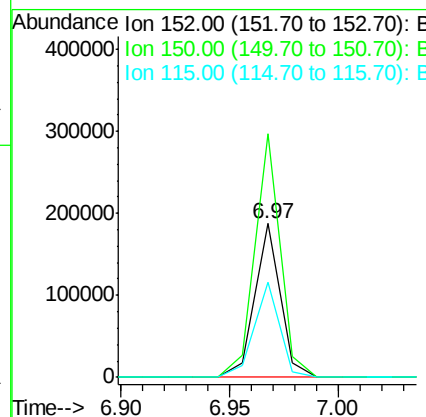
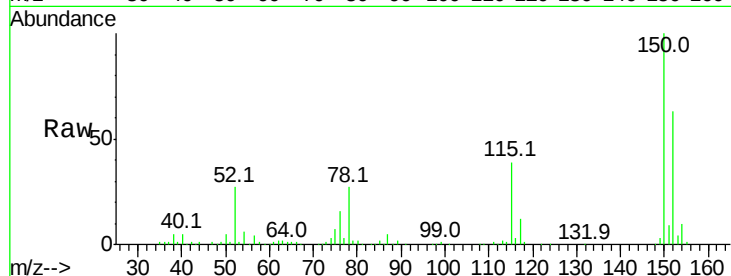
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15939-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.9	187.3
115	62.1	46.0	69.0

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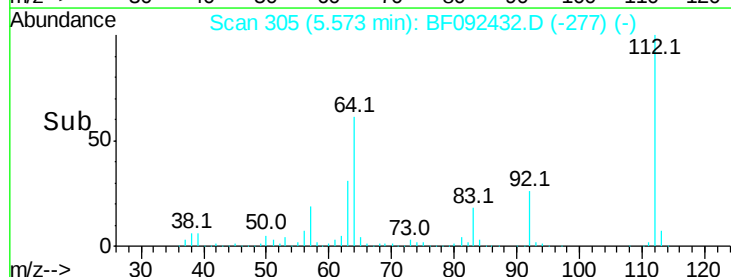
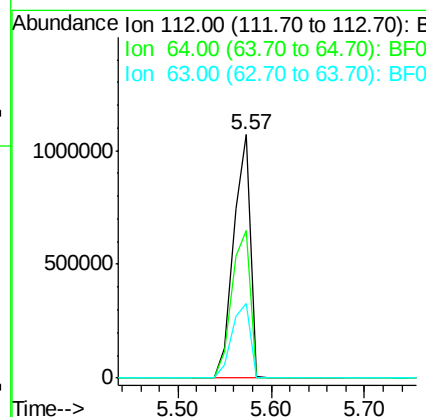
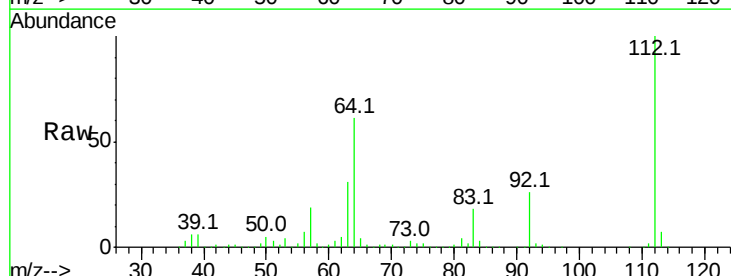
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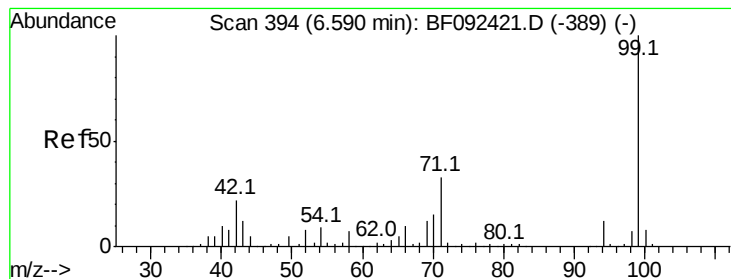


#5

2-Fluorophenol
Concen: 137.32 ng
RT: 5.57 min Scan# 305
Delta R.T. 0.02 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	46.1	69.1
63	30.8	23.8	35.6





#7

Phenol-d6

Concen: 119.87 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15939-COMP

Tot Ion: 99 Resp: 1498011

Ion Ratio Lower Upper

99 100

42 22.1 15.6 23.4

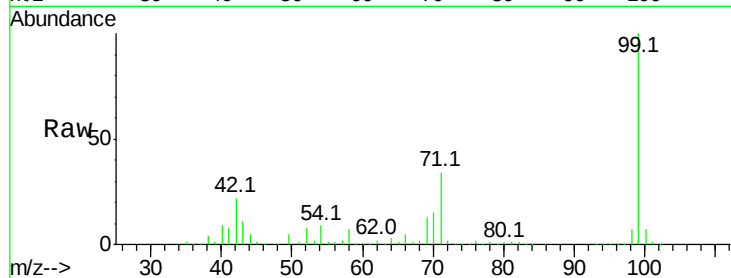
71 33.6 27.5 41.3

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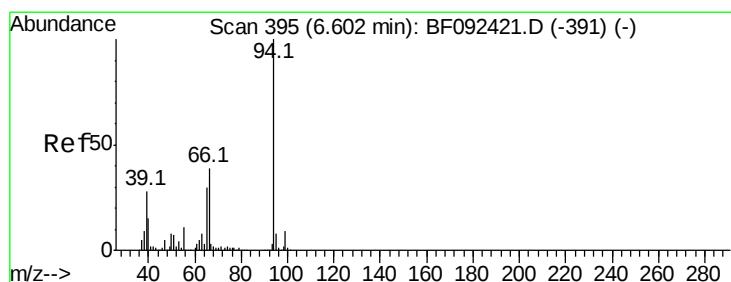
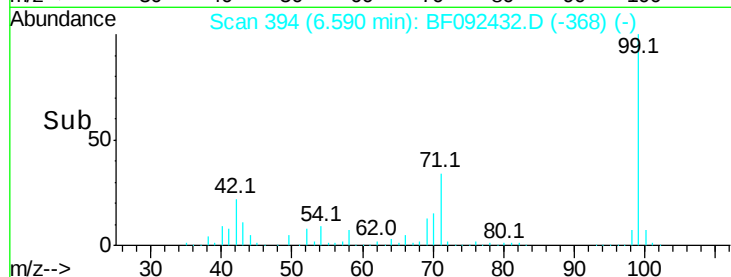
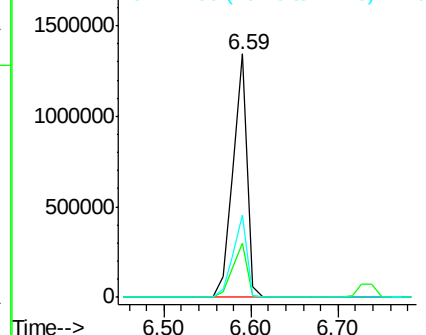
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.10 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

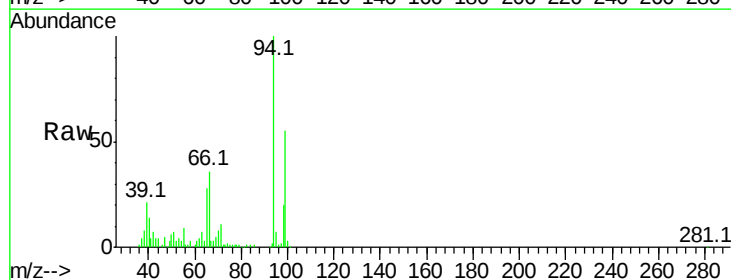
Tgt Ion: 94 Resp: 76931

Ion Ratio Lower Upper

94 100

65 28.2 21.4 61.4

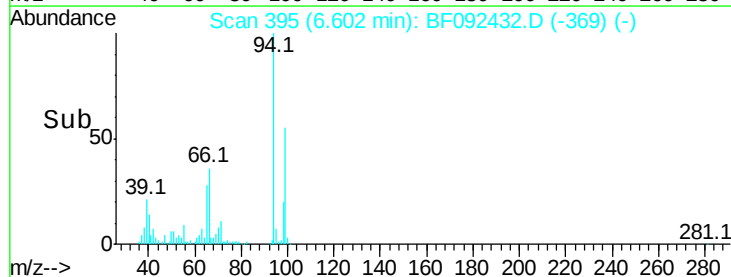
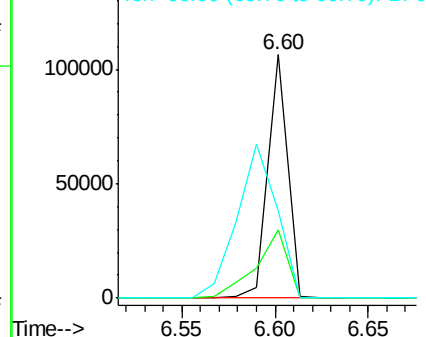
66 36.0 44.0 84.0#

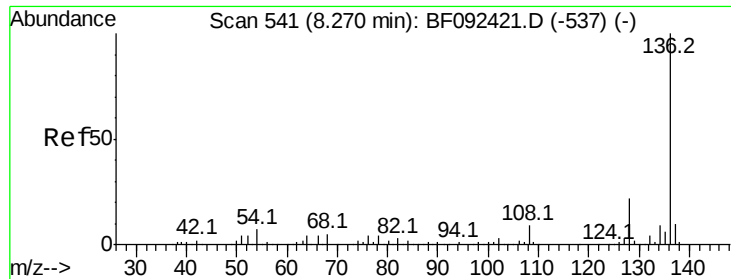


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





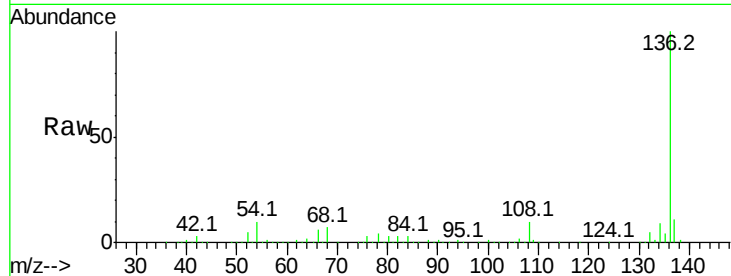
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15939-COMP

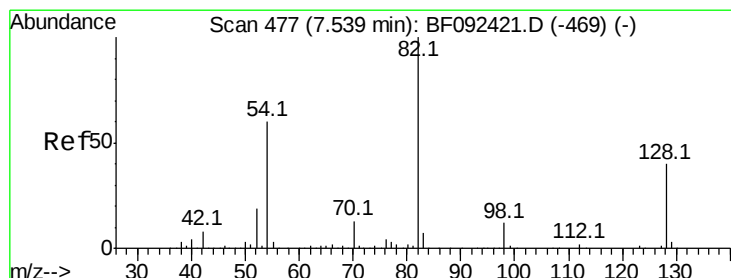
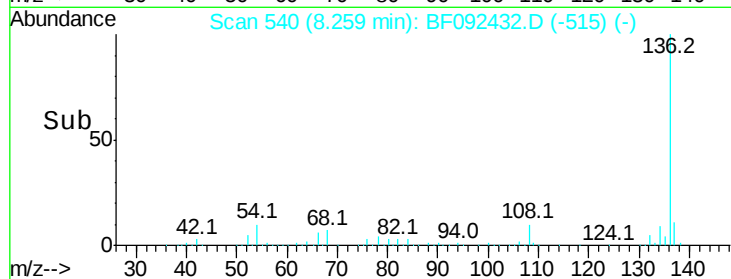
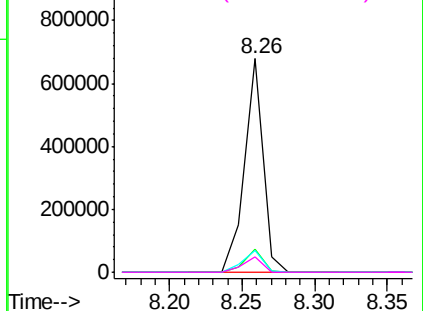
Tot Ion	Ratio	Resp	Lower	Upper
136	100	605788		
137	10.9		8.4	12.6
54	10.2		4.5	6.7#
68	7.4		3.6	5.4#

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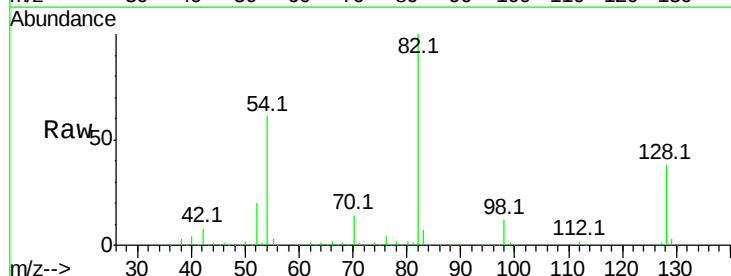


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

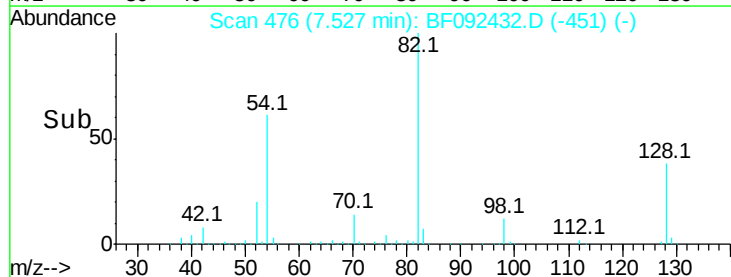
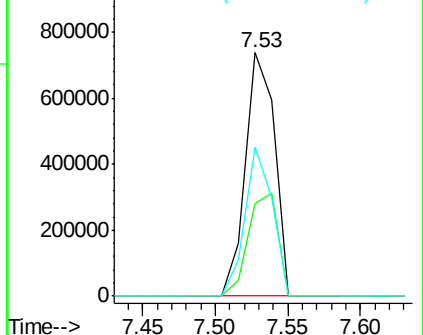


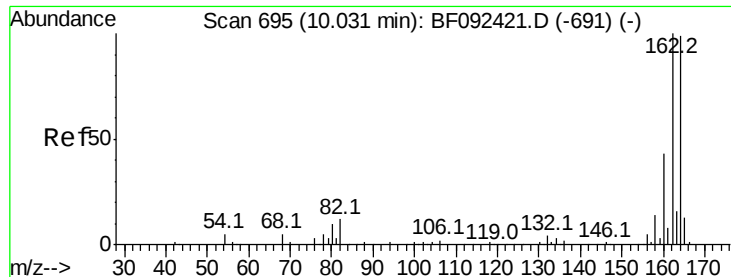
#23
Nitrobenzene-d5
Concen: 92.59 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1026803		
128	37.9		34.6	52.0
54	60.9		39.5	59.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





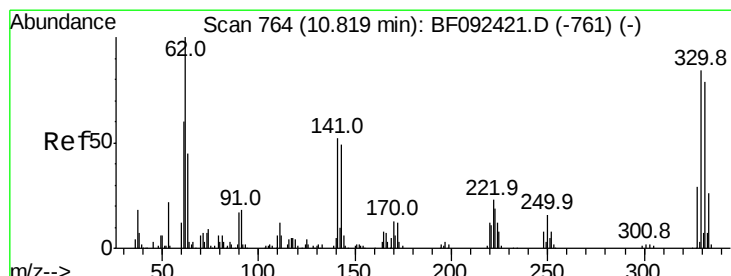
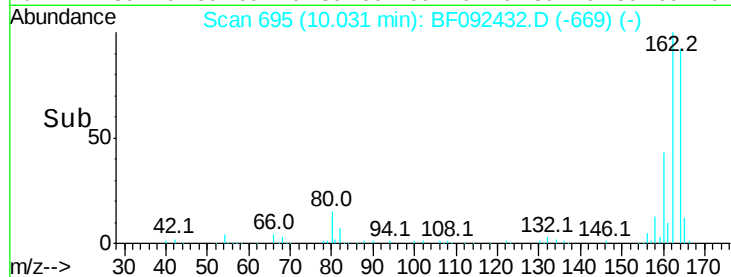
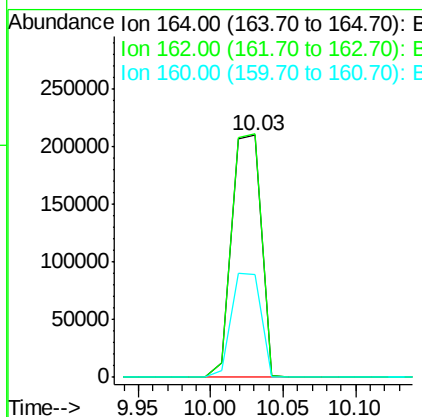
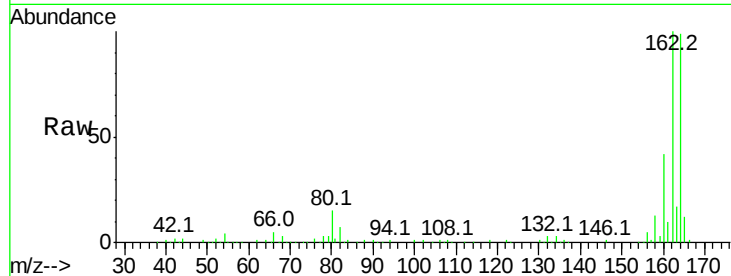
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15939-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	295650		
162	100.6	80.2	120.2	
160	42.4	36.9	55.3	

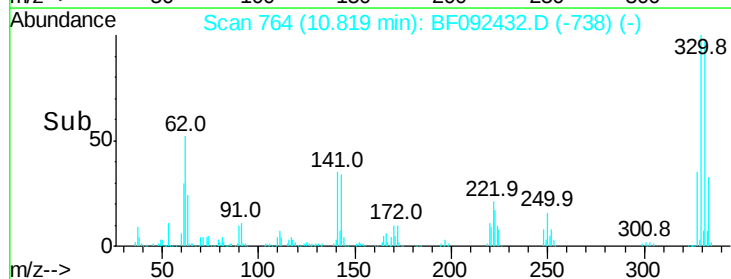
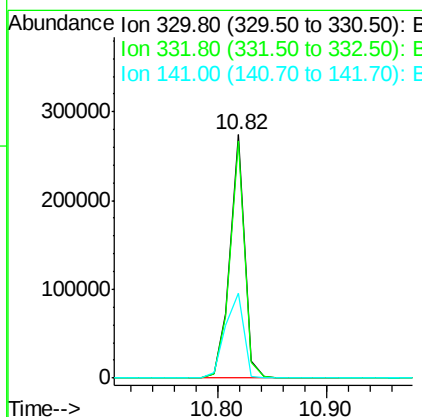
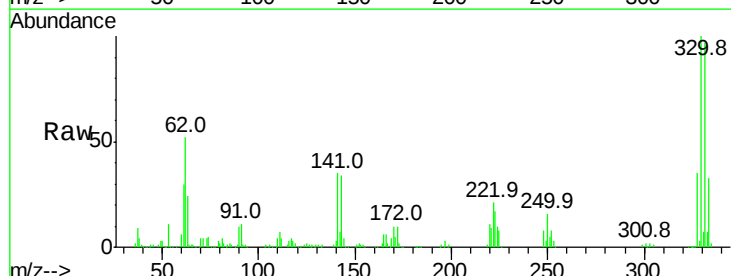
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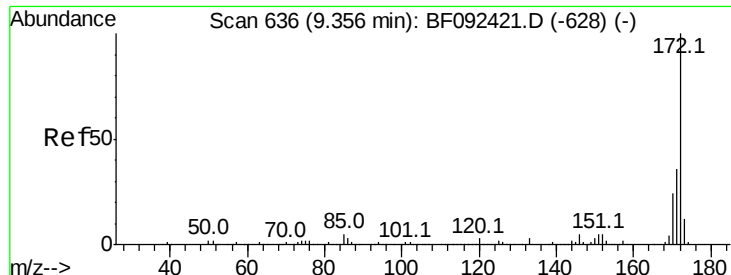
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#41
2,4,6-Tribromophenol
Concen: 127.33 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	256536		
332	96.9	77.4	116.2	
141	44.2	34.1	51.1	





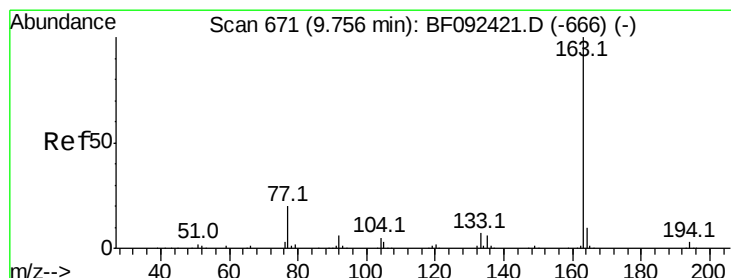
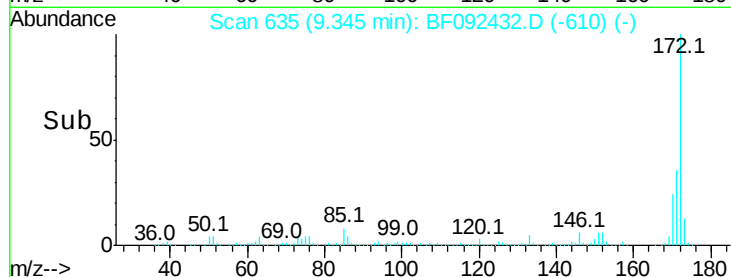
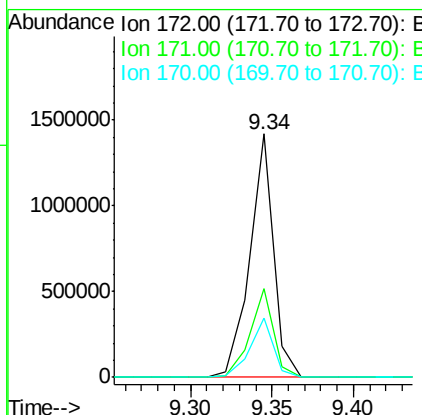
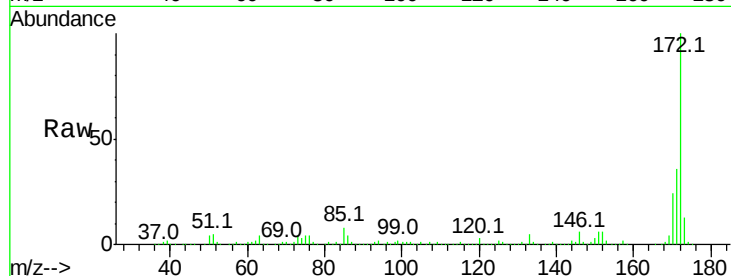
#44
2-Fluorobiphenyl
Concen: 89.67 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15939-COMP

Tot Ion:172 Resp: 1433699
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 24.5 20.2 30.4

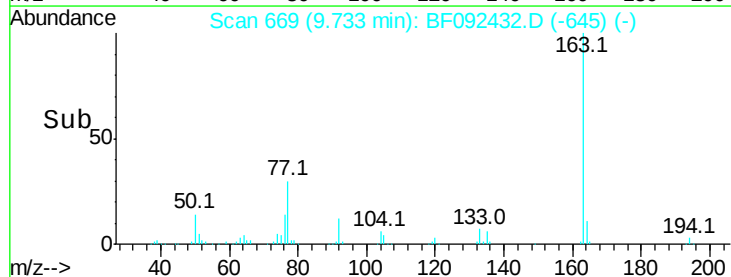
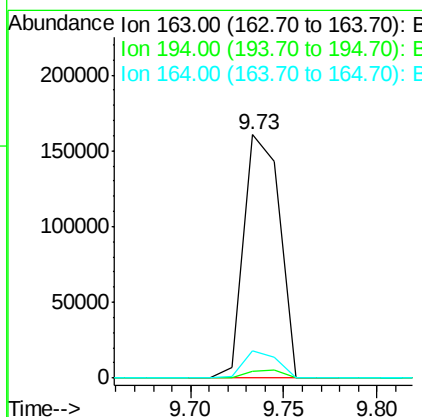
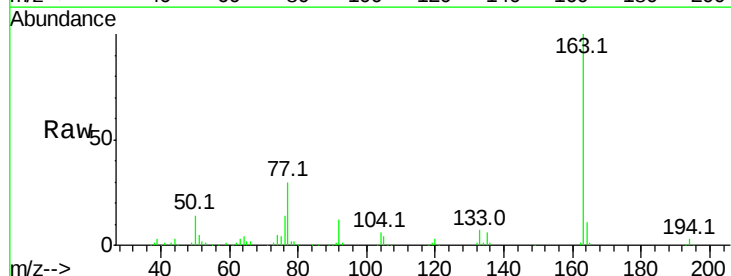
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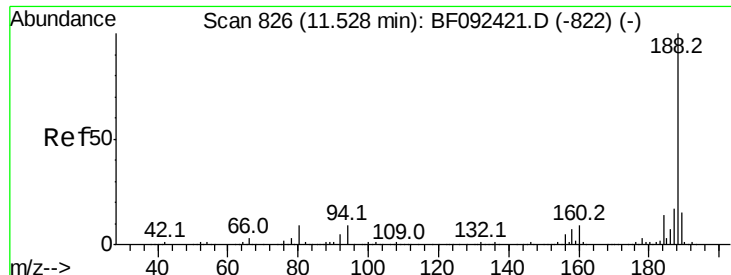
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#49
Dimethylphthalate
Concen: 11.37 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Tgt Ion:163 Resp: 213745
Ion Ratio Lower Upper
163 100
194 2.7 3.0 4.4#
164 11.0 8.0 12.0





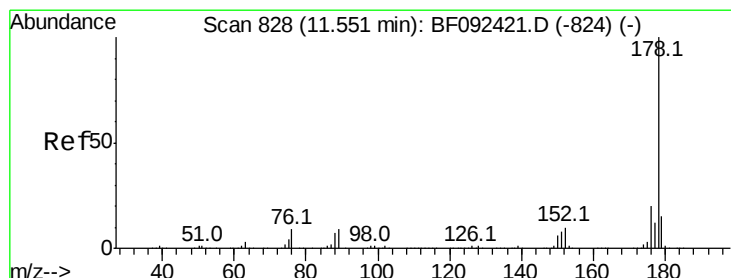
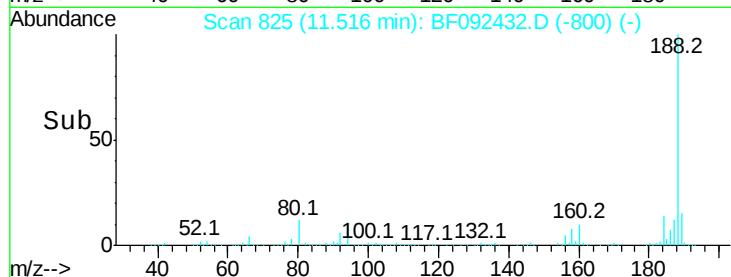
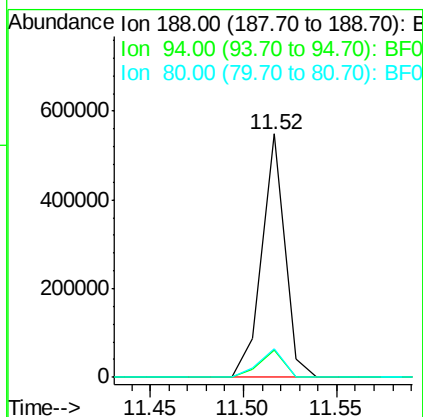
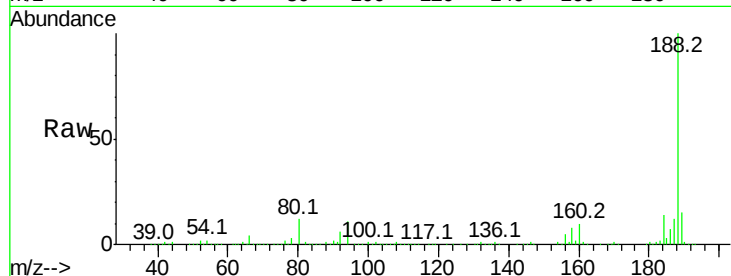
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Instrument :
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ClientSampleId :
ROLL-OFF-15939-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	465639		
94	11.2		10.0	15.0
80	11.6		11.2	16.8

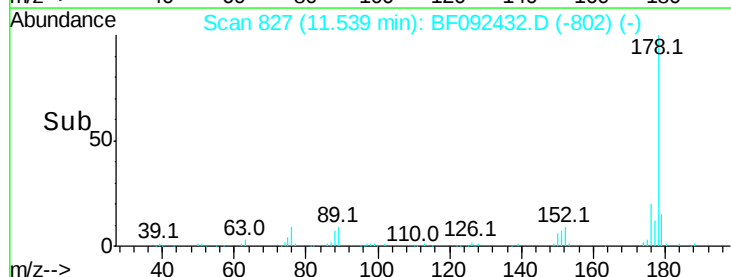
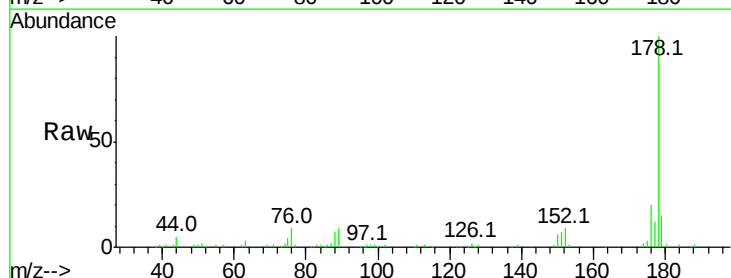
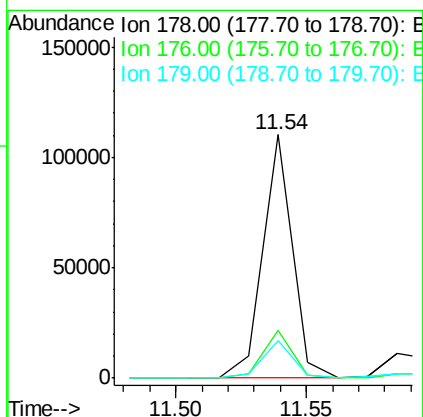
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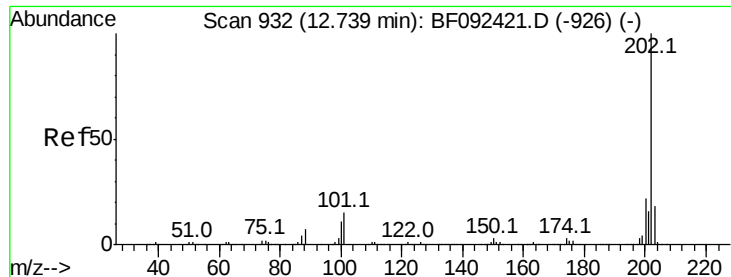
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#70
Phenanthrene
Concen: 3.43 ng
RT: 11.54 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	87978		
176	19.6		16.6	25.0
179	15.3		12.8	19.2





#74

Fluoranthene

Concen: 6.23 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

Instrument :

BNA_F

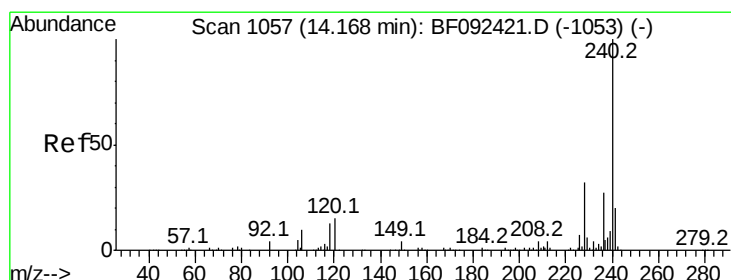
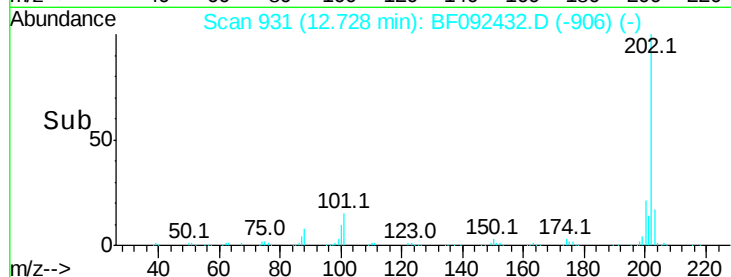
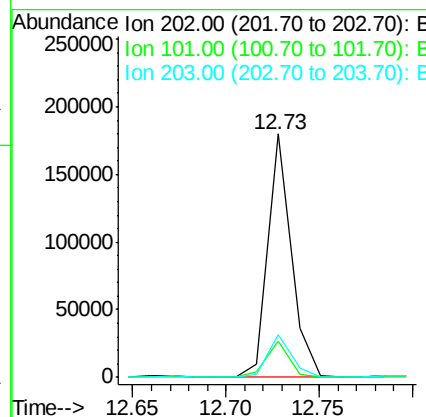
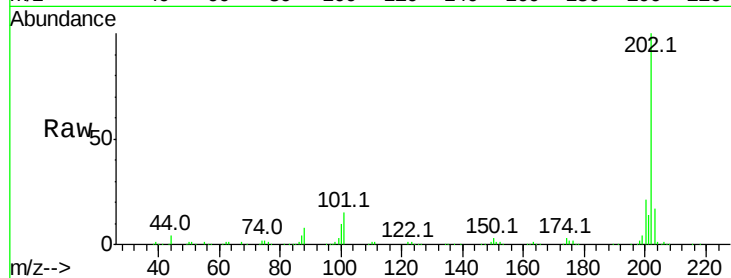
ClientSampleId :

ROLL-OFF-15939-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.9	0.0	34.6
203	17.4	0.0	38.7

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

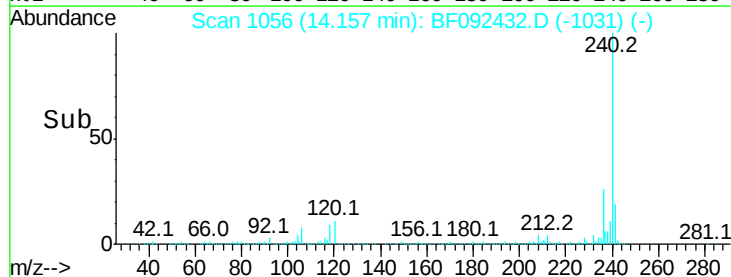
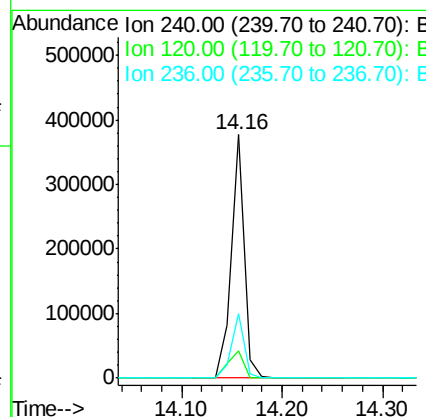
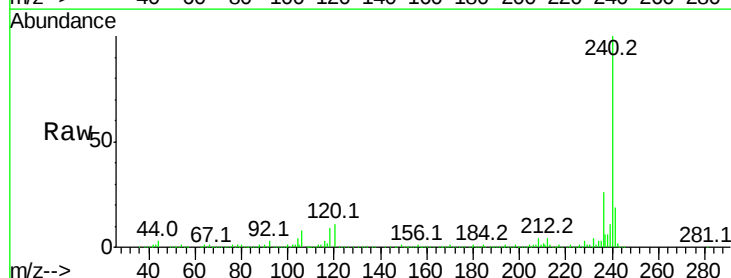
RT: 14.16 min Scan# 1056

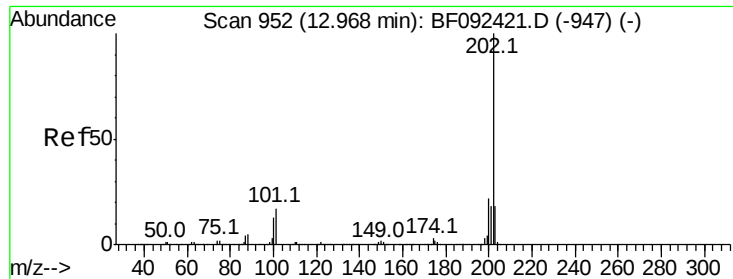
Delta R.T. -0.01 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.4	12.9	19.3#
236	26.4	20.9	31.3





#77

Pvrene

Concen: 6.40 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

Instrument :

BNA_F

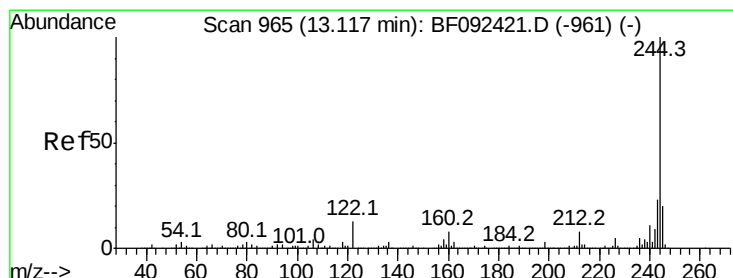
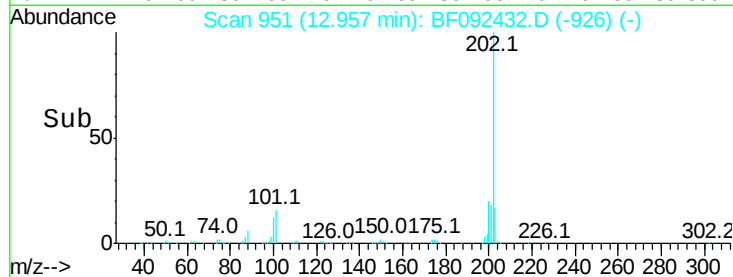
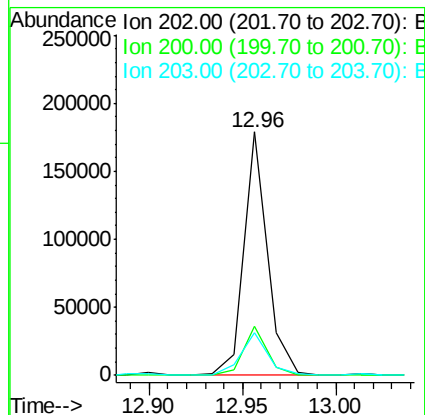
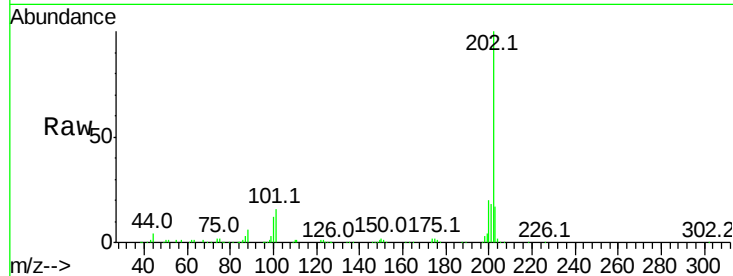
ClientSampleId :

ROLL-OFF-15939-COMP

Tot Ion:	202	Resp:	157479
Ion Ratio		Lower	Upper
202	100		
200	20.4	17.7	26.5
203	17.3	14.7	22.1

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#78

Terphenyl-d14

Concen: 82.41 ng

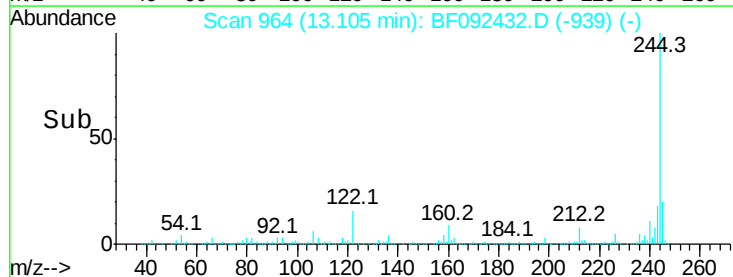
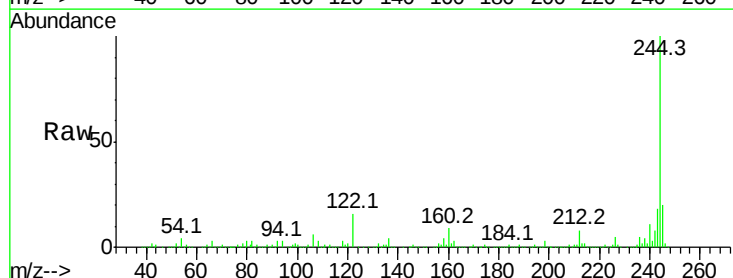
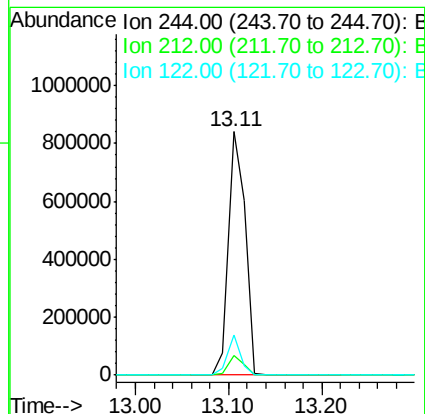
RT: 13.11 min Scan# 964

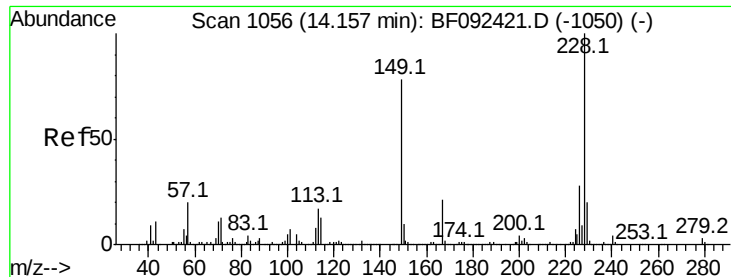
Delta R.T. -0.01 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

Tgt Ion:	244	Resp:	1051334
Ion Ratio		Lower	Upper
244	100		
212	7.9	6.2	9.2
122	16.3	11.4	17.2





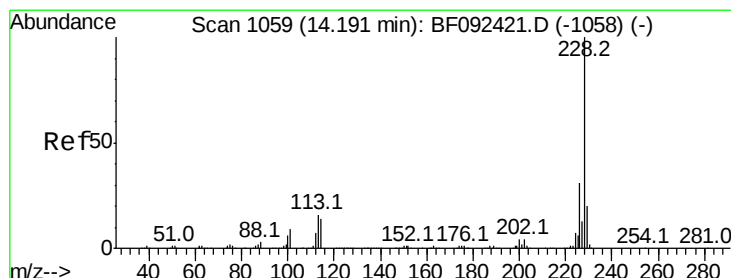
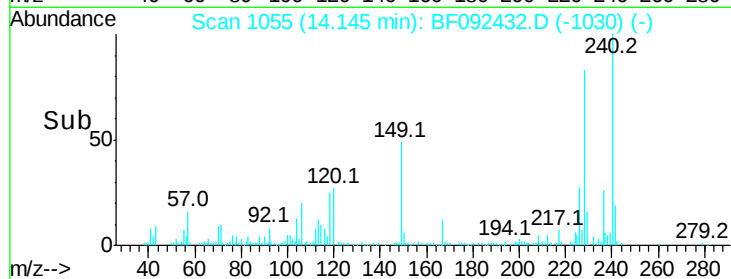
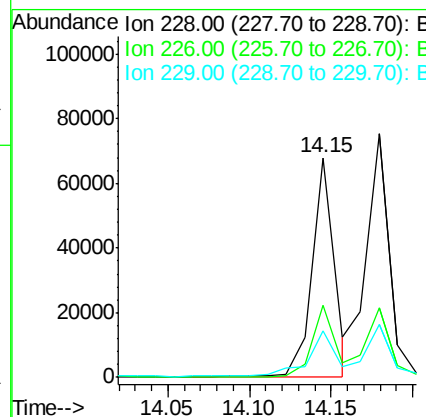
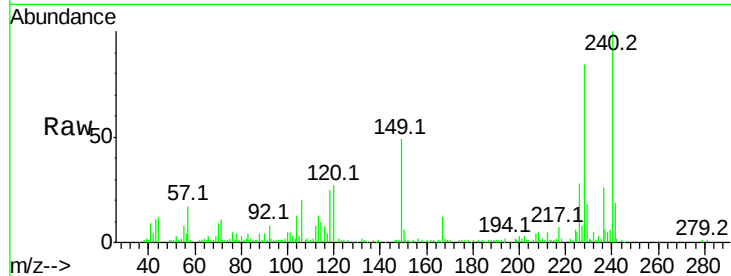
#80
 Benzo(a)anthracene
 Concen: 3.56 ng
 RT: 14.15 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BF092432.D
 Acq: 24 Jan 2017 16:47

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15939-COMP

Tot Ion:	228	Resp:	65042
Ion Ratio	Lower	Upper	
228	100		
226	32.8	22.4	33.6
229	20.9	16.2	24.4

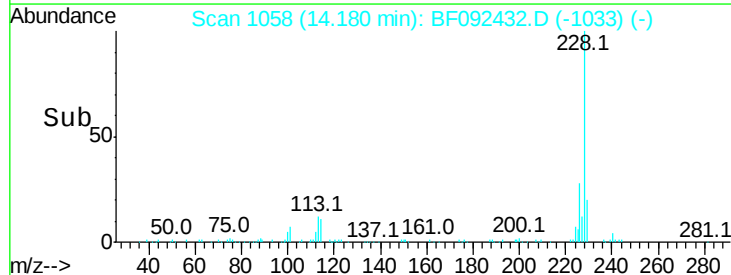
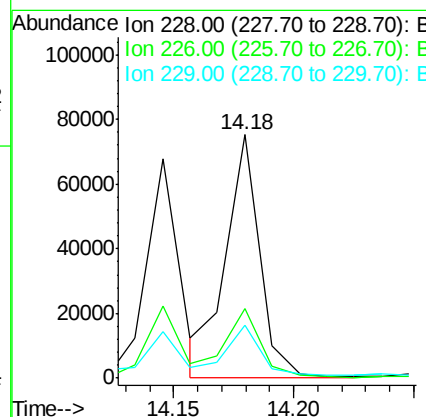
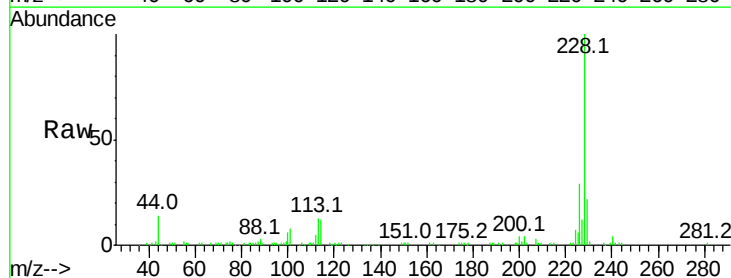
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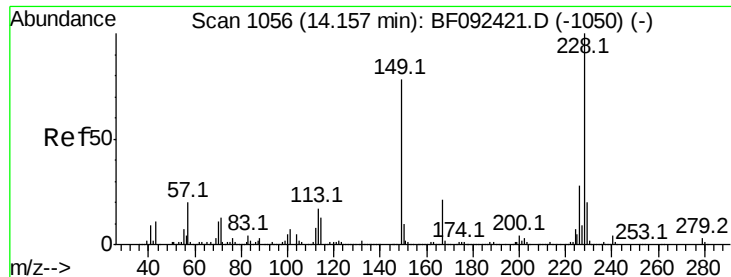
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#82
 Chrysene
 Concen: 3.81 ng m
 RT: 14.18 min Scan# 1058
 Delta R.T. -0.01 min
 Lab File: BF092432.D
 Acq: 24 Jan 2017 16:47

Tgt Ion:	228	Resp:	74217
Ion Ratio	Lower	Upper	
228	100		
226	28.8	25.4	38.0
229	21.5	16.2	24.2





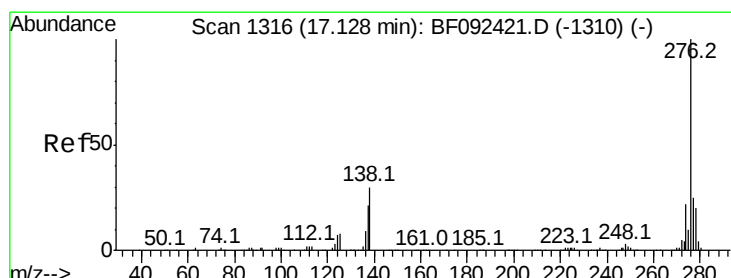
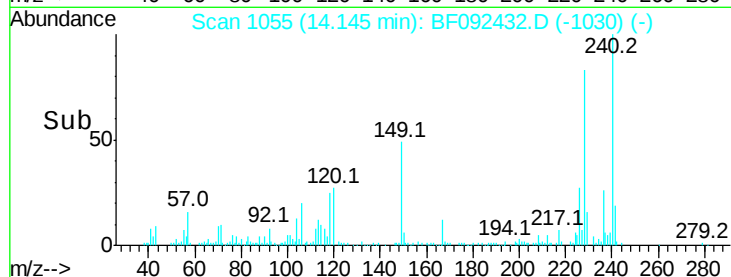
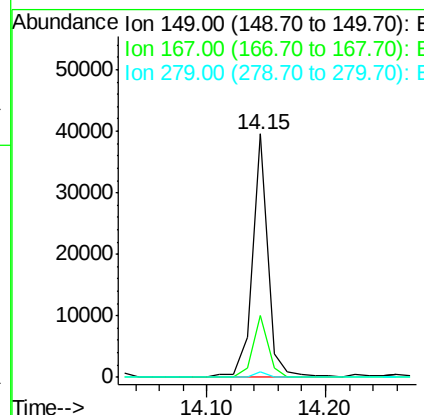
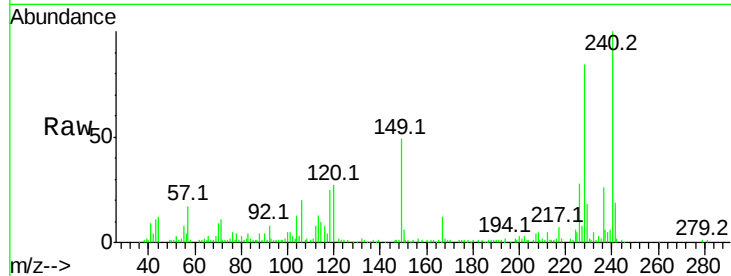
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.89 ng
 RT: 14.15 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BF092432.D
 Acq: 24 Jan 2017 16:47

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15939-COMP

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.2	20.2	30.4
279	2.1	1.8	2.8

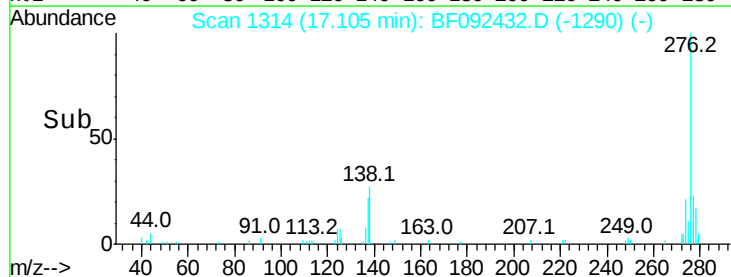
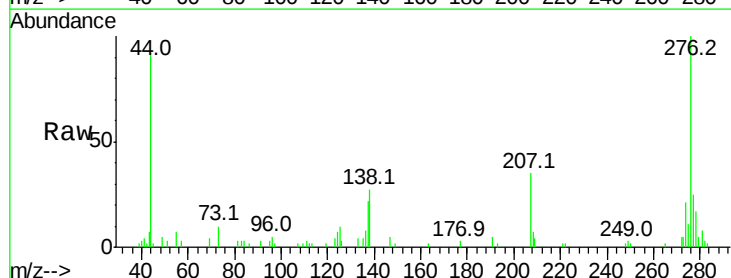
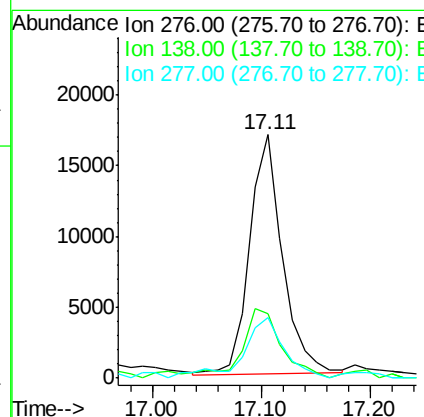
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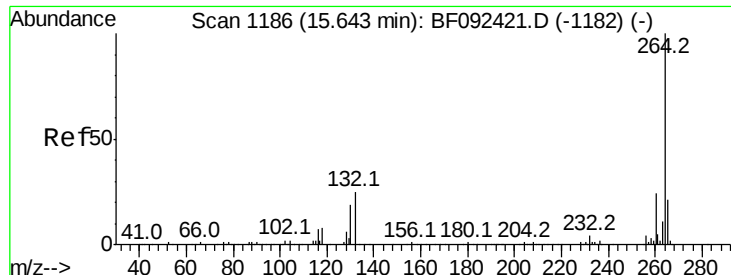
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.46 ng
 RT: 17.11 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: BF092432.D
 Acq: 24 Jan 2017 16:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.4	21.8	32.6#
277	32.0	20.2	30.4#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.63 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

Instrument :

BNA_F

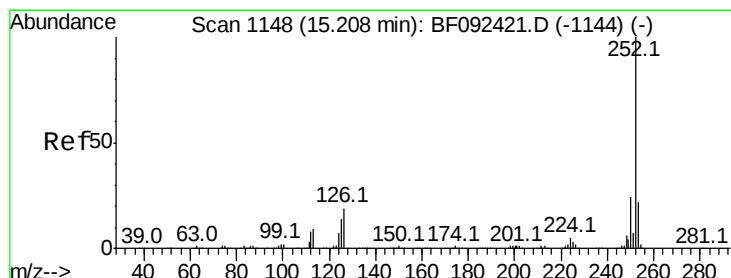
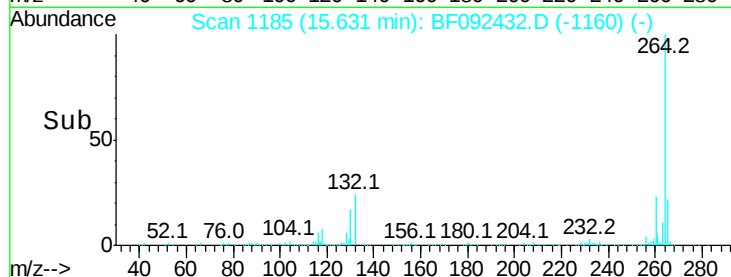
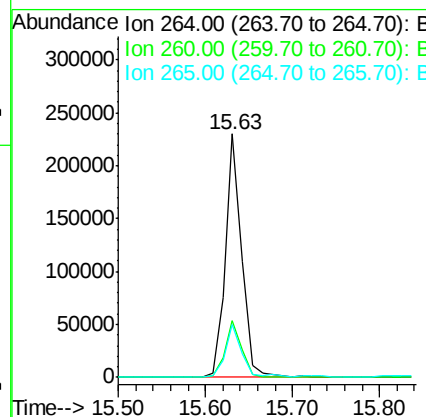
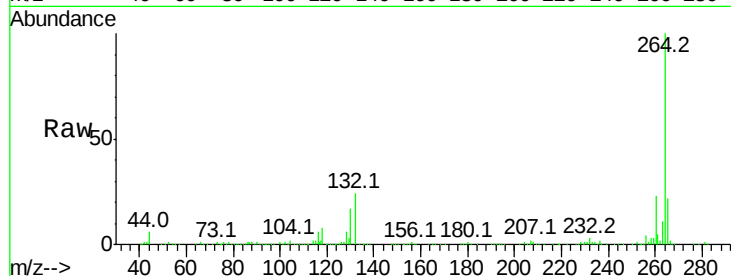
ClientSampleId :

ROLL-OFF-15939-COMP

Tot Ion:	264	Resp:	302978
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	21.8	17.4	26.0

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#87

Benzo(b)fluoranthene

Concen: 3.64 ng m

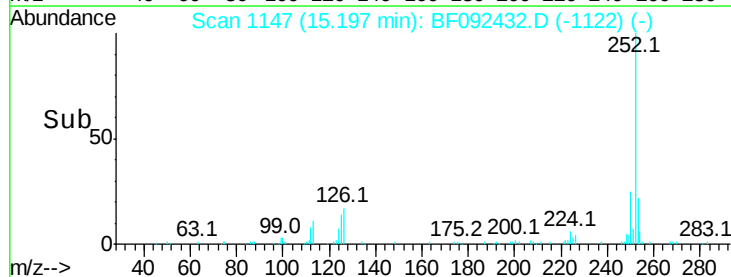
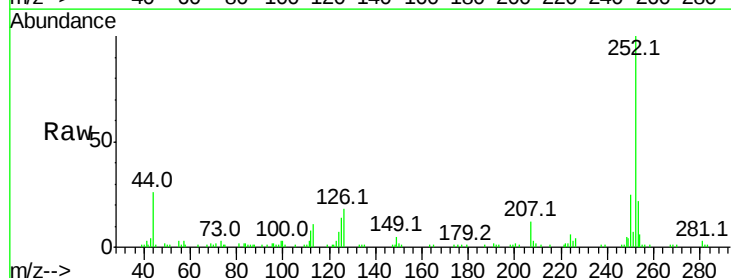
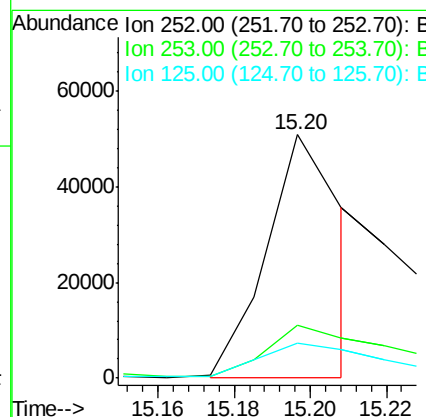
RT: 15.20 min Scan# 1147

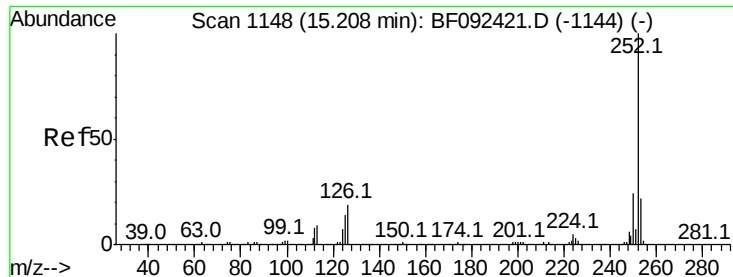
Delta R.T. -0.01 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

Tgt Ion:	252	Resp:	70887
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.2	27.4
125	14.2	9.8	14.6





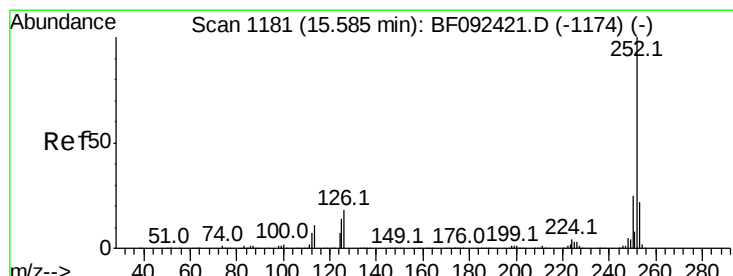
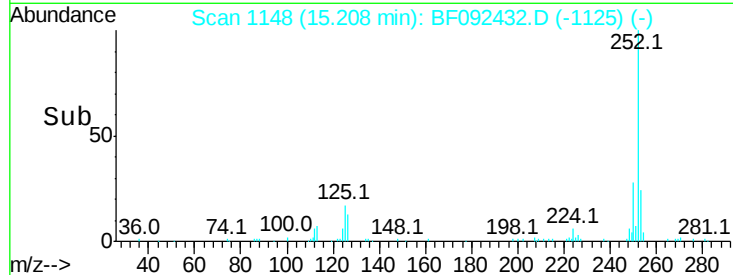
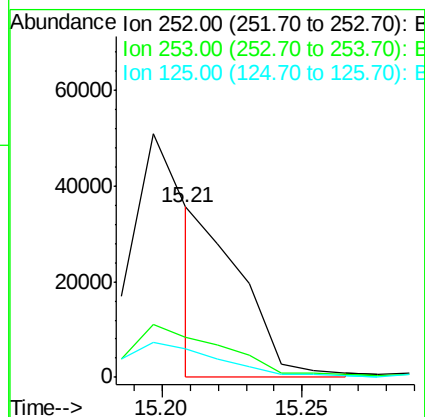
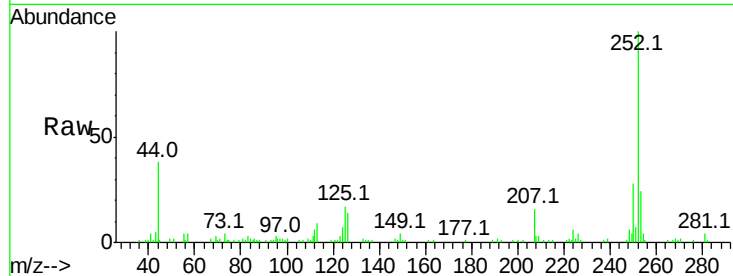
#88
Benzo(k)fluoranthene
Concen: 2.23 ng m
RT: 15.21 min Scan# 1148
Delta R.T. -0.03 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15939-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.5	27.7
125	16.9	8.9	13.3

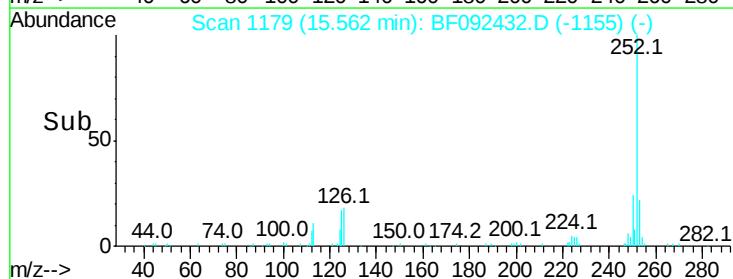
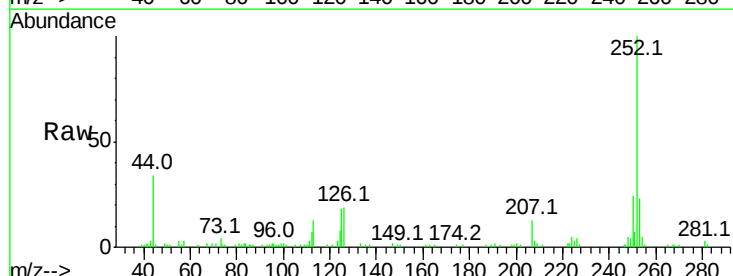
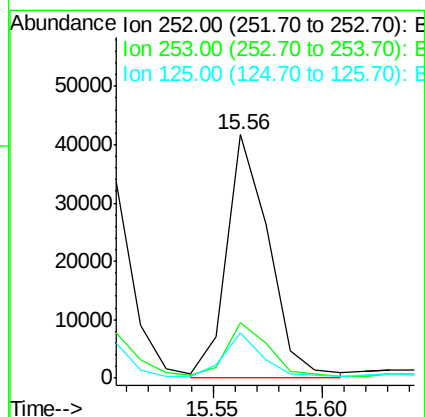
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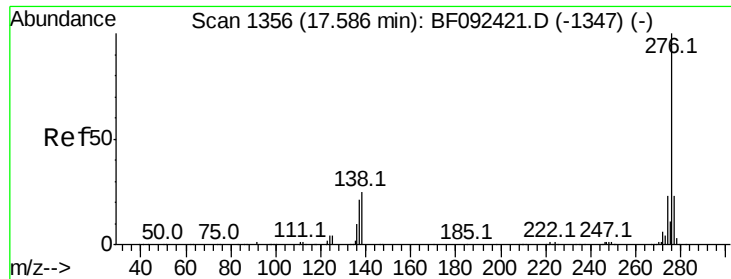
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#89
Benzo(a)pyrene
Concen: 3.43 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	18.4	10.0	15.0





#91
 Benzo(a,h,i)perylene
 Concen: 2.92 ng
 RT: 17.55 min Scan# 1353
 Delta R.T. -0.03 min
 Lab File: BF092432.D
 Acq: 24 Jan 2017 16:47

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15939-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.2	28.8
138	29.9	16.0	24.0

Manual Integrations
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