

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
 Data File : BF092373.D
 Acq On : 20 Jan 2017 15:21
 Operator : UM/SJ
 Sample : I1304-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1634-NOTTINGHAM-COMP

Manual Integrations
 APPROVED

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Quant Time: Jan 20 23:10:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 20 22:22:14 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	150615	20.00	ng	0.00
21) Naphthalene-d8	7.81	136	578221	20.00	ng	0.00
38) Acenaphthene-d10	9.56	164	438504	20.00	ng	0.00
63) Phenanthrene-d10	11.03	188	667979	20.00	ng	0.00
75) Chrysene-d12	13.66	240	412790	20.00	ng	0.00
86) Perylene-d12	15.01	264	364469	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	1377817	152.75	ng	0.02
7) Phenol-d6	6.20	99	1843668	167.41	ng	0.01
23) Nitrobenzene-d5	7.10	82	1155943	111.16	ng	0.00
41) 2,4,6-Tribromophenol	10.35	330	425986	117.39	ng	0.00
44) 2-Fluorobiphenyl	8.90	172	2188593	105.35	ng	0.00
78) Terphenyl-d14	12.62	244	1611073	94.66	ng	0.00
Target Compounds						
10) Phenol	6.20	94	61184	4.88	ng	Qvalue # 14
49) Dimethylphthalate	9.30	163	365835	13.04	ng	99
70) Phenanthrene	11.06	178	91128	2.52	ng	97
74) Fluoranthene	12.23	202	200496	2.72	ng	97
77) Pyrene	12.46	202	188215	6.21	ng	98
80) Benzo(a)anthracene	13.65	228	71569m	3.07	ng	
82) Chrysene	13.69	228	82729m	3.54	ng	
83) Bis(2-ethylhexyl)phthalate	13.66	149	154657	9.53	ng	99
85) Indeno(1,2,3-cd)pyrene	16.23	276	42917	2.12	ng	94
87) Benzo(b)fluoranthene	14.66	252	88919m	3.92	ng	
89) Benzo(a)pyrene	14.97	252	62950	3.13	ng	98
91) Benzo(a,h,i)perylene	16.59	276	42660	2.48	ng	# 91

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

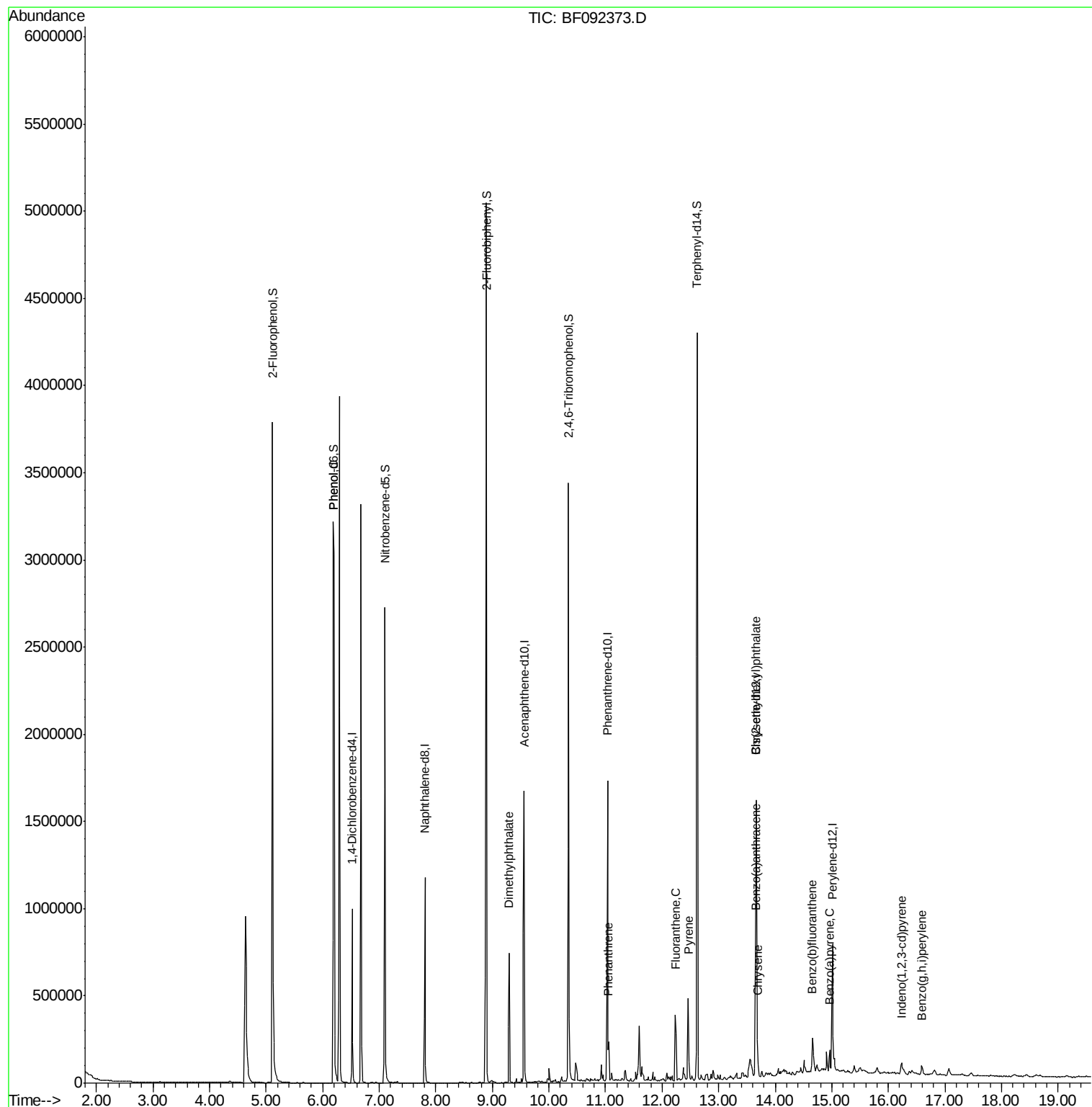
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092373.D
Acq On : 20 Jan 2017 15:21
Operator : UM/SJ
Sample : I1304-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

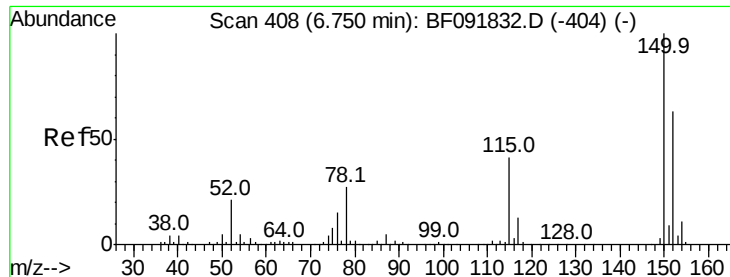
Instrument :
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Quant Time: Jan 20 23:10:20 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 22:22:14 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF092373.D

Acq: 20 Jan 2017 15:21

Instrument :

BNA_F

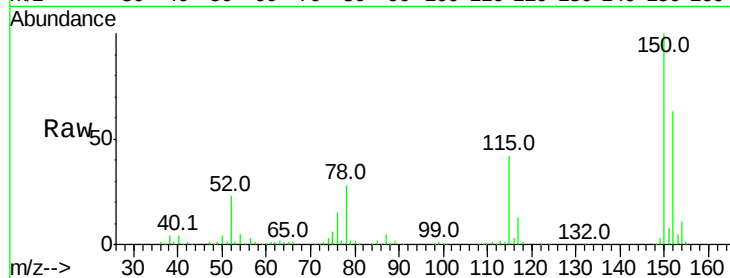
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.9	187.3
115	65.7	46.0	69.0

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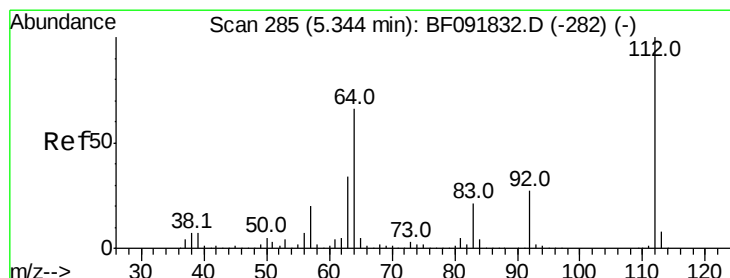
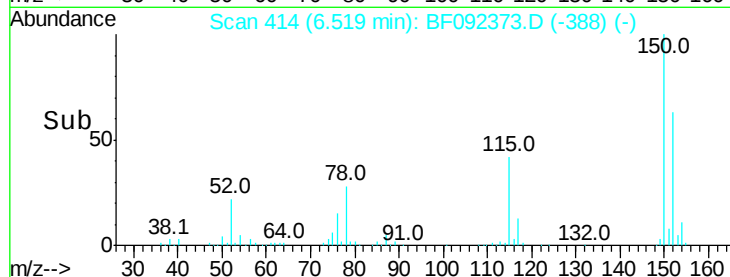
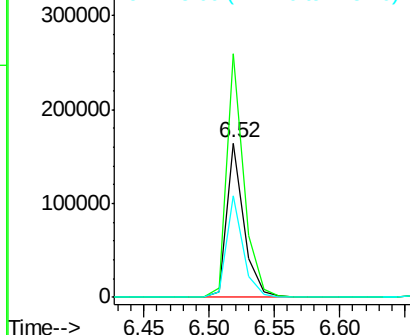


Abundance

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: 152.75 ng

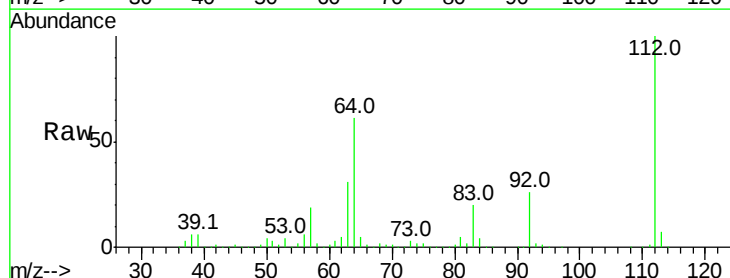
RT: 5.11 min Scan# 291

Delta R.T. 0.02 min

Lab File: BF092373.D

Acq: 20 Jan 2017 15:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	46.1	69.1
63	31.5	23.8	35.6

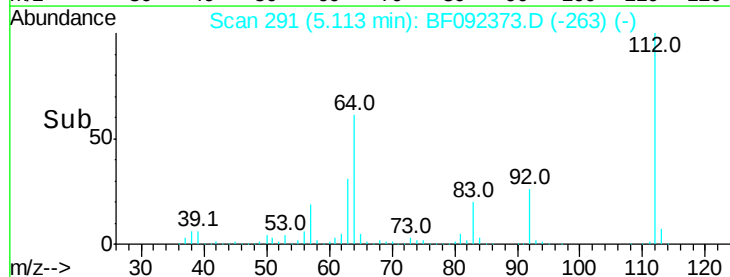
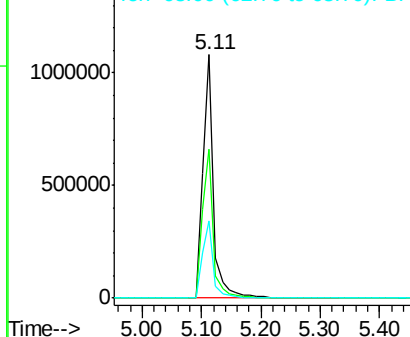


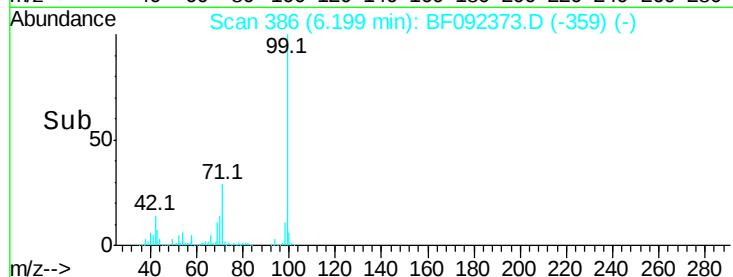
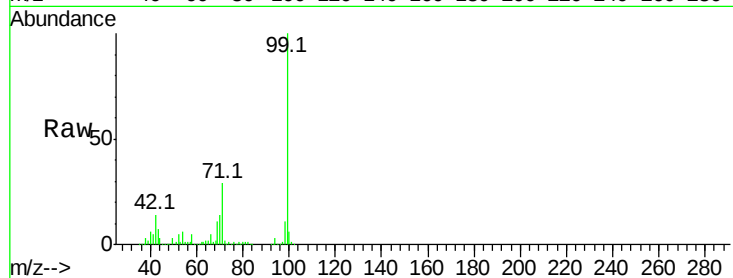
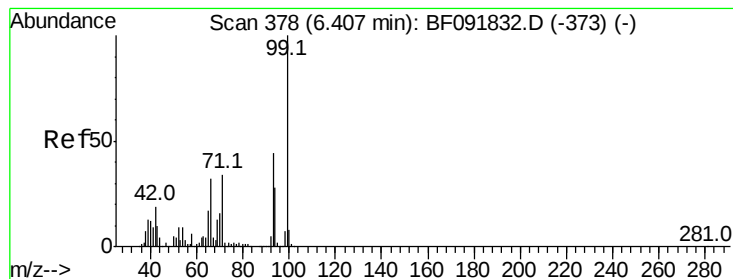
Abundance

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: 167.41 ng

RT: 6.20 min Scan# 386

Delta R.T. 0.01 min

Lab File: BF092373.D

Acq: 20 Jan 2017 15:21

Tot Ion: 99 Resp: 1843668

Ion Ratio Lower Upper

99 100

42 13.5 15.6 23.4#

71 29.1 27.5 41.3

Instrument :

BNA_F

ClientSampleId :

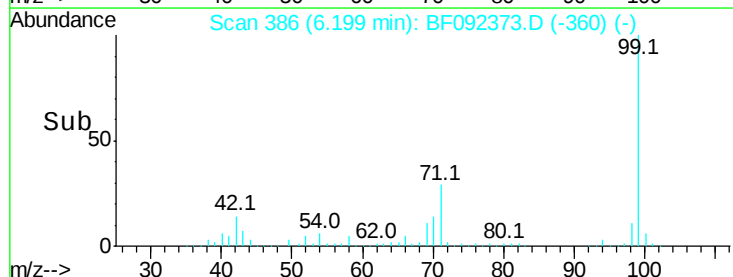
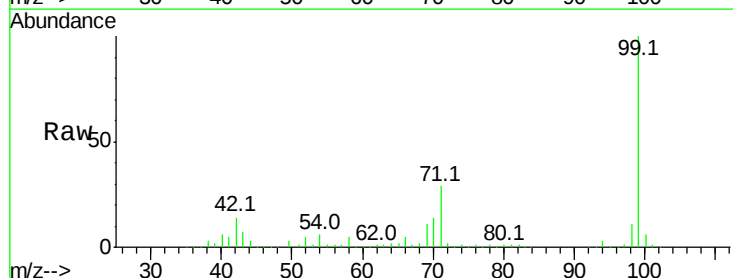
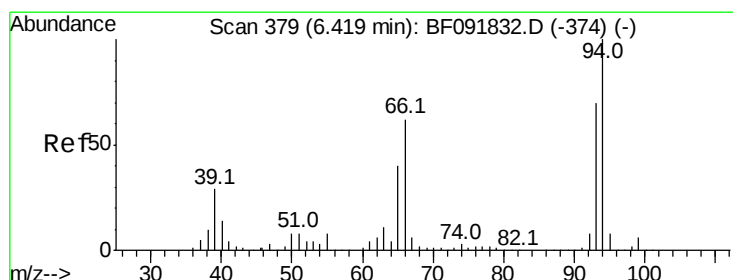
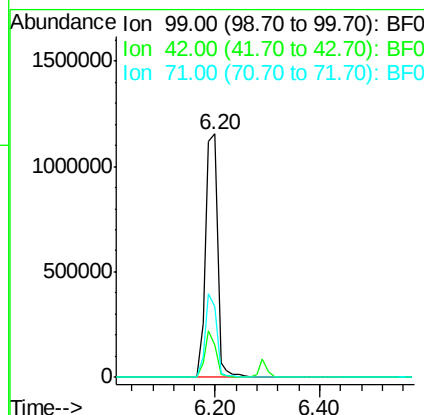
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#10

Phenol

Concen: 4.88 ng

RT: 6.20 min Scan# 386

Delta R.T. -0.00 min

Lab File: BF092373.D

Acq: 20 Jan 2017 15:21

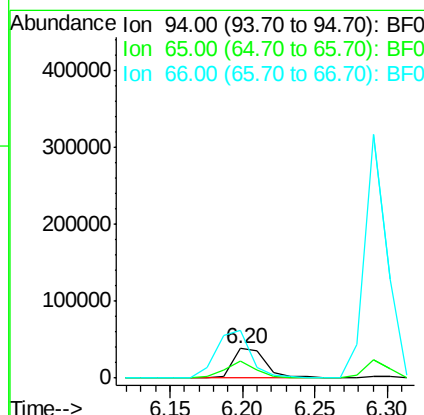
Tgt Ion: 94 Resp: 61184

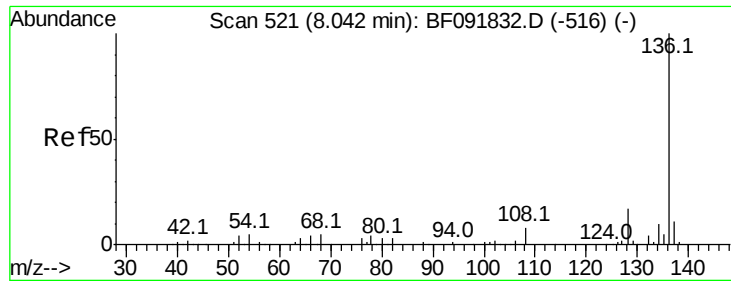
Ion Ratio Lower Upper

94 100

65 56.5 21.4 61.4

66 162.1 44.0 84.0#





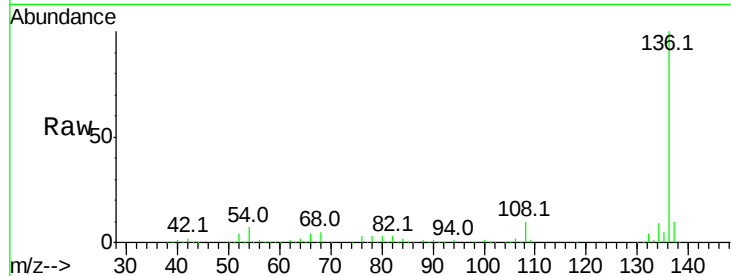
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.81 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF092373.D
Acq: 20 Jan 2017 15:21

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

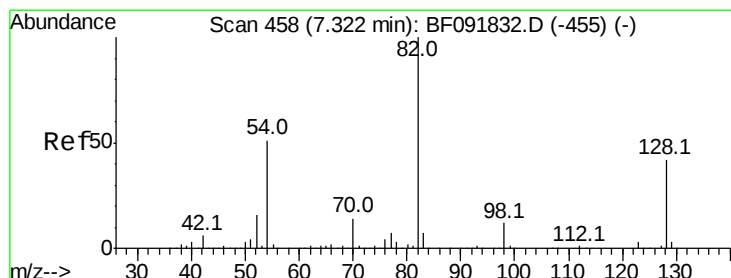
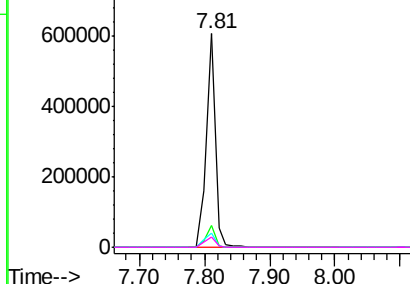
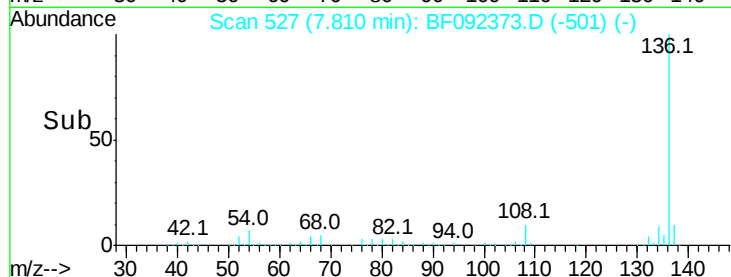
Tot Ion	Ratio	Resp	Lower	Upper
136	100	578221		
137	10.5		8.4	12.6
54	6.6		4.5	6.7
68	4.9		3.6	5.4

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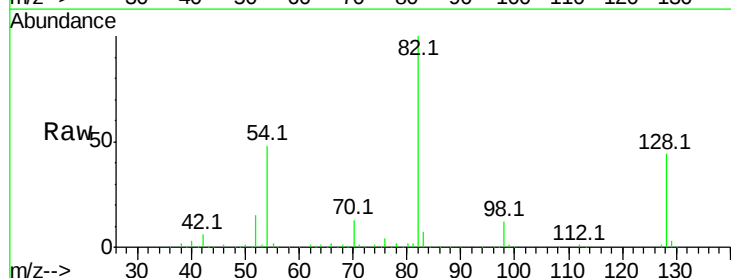


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

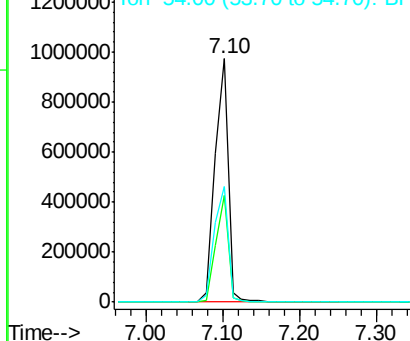
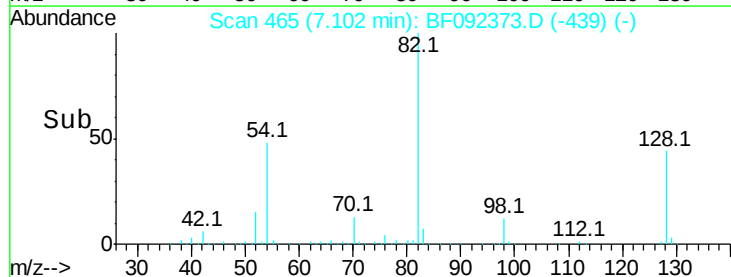


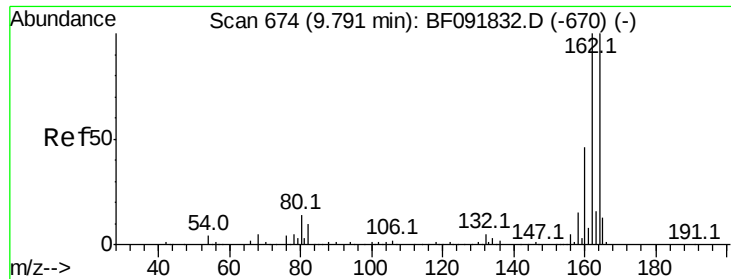
#23
Nitrobenzene-d5
Concen: 111.16 ng
RT: 7.10 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF092373.D
Acq: 20 Jan 2017 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1155943		
128	43.8		34.6	52.0
54	47.6		39.5	59.3



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





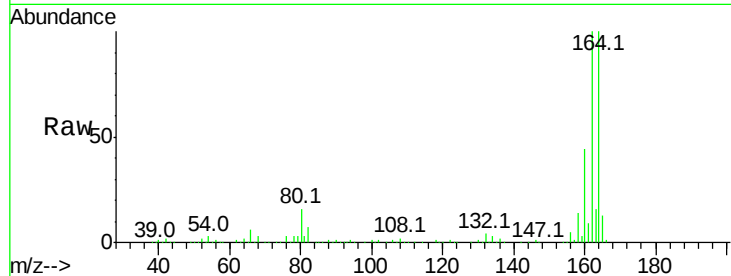
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.56 min Scan# 680
Delta R.T. -0.00 min
Lab File: BF092373.D
Acq: 20 Jan 2017 15:21

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

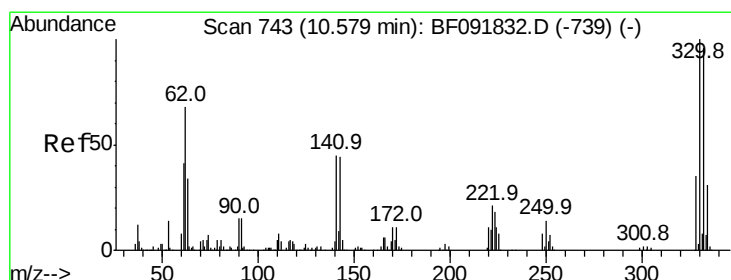
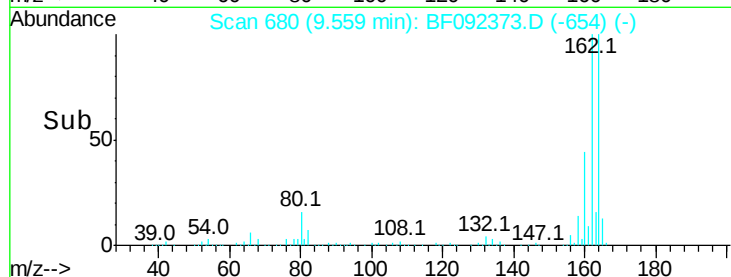
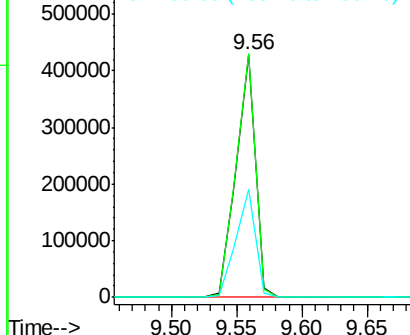
Tot Ion	Ratio	Resp	Lower	Upper
164	100	438504		
162	100.4	80.2	120.2	
160	44.5	36.9	55.3	

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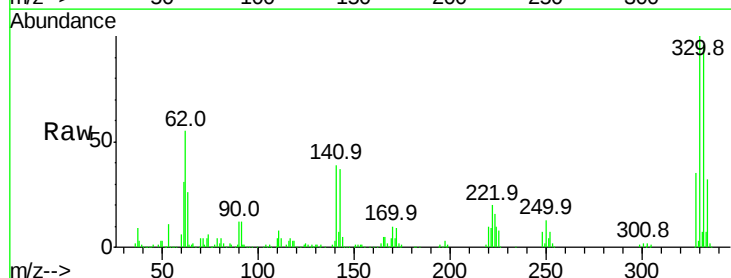


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

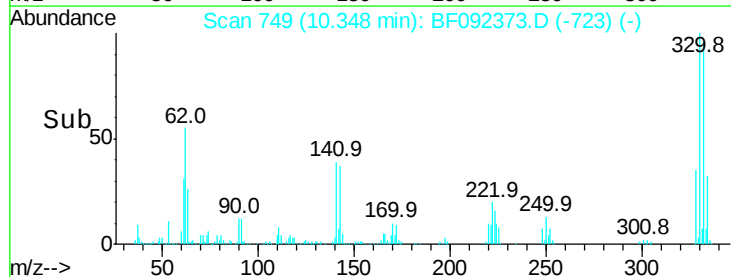
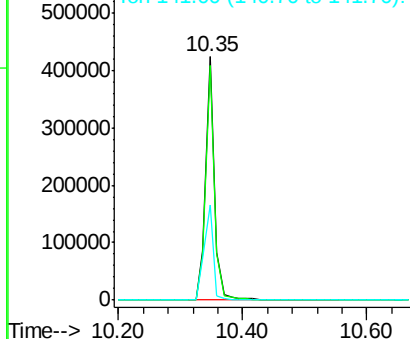


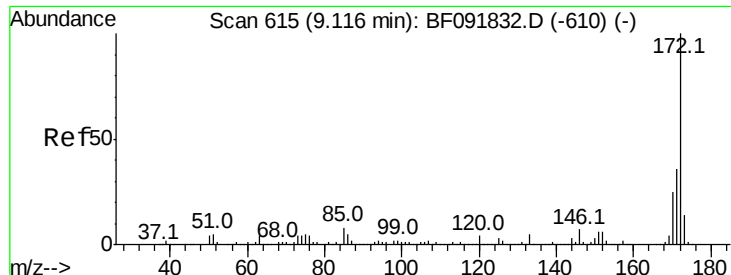
#41
2,4,6-Tribromophenol
Concen: 117.39 ng
RT: 10.35 min Scan# 749
Delta R.T. -0.00 min
Lab File: BF092373.D
Acq: 20 Jan 2017 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	425986		
332	96.0	77.4	116.2	
141	40.9	34.1	51.1	



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





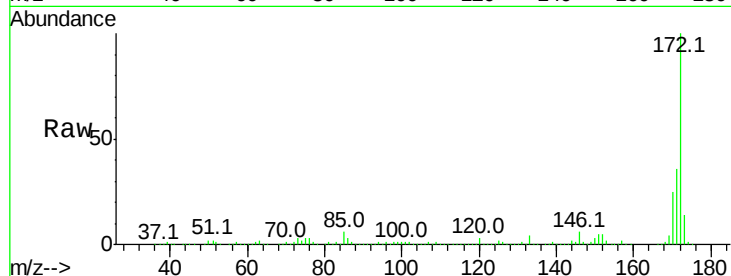
#44
2-Fluorobiphenyl
Concen: 105.35 ng
RT: 8.90 min Scan# 622
Delta R.T. -0.00 min
Lab File: BF092373.D
Acq: 20 Jan 2017 15:21

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

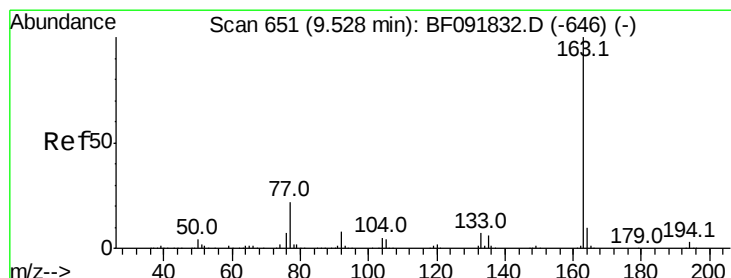
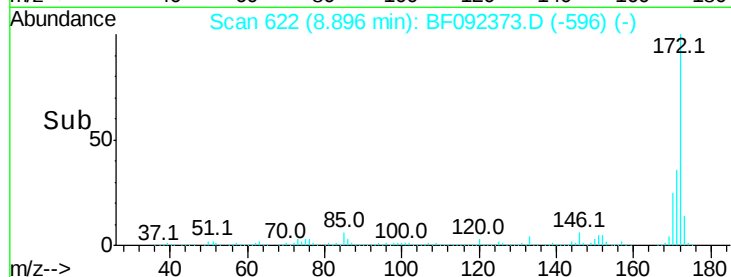
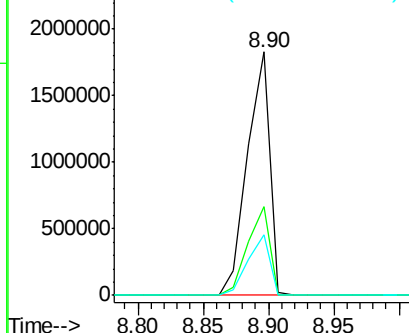
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.8	20.2	30.4

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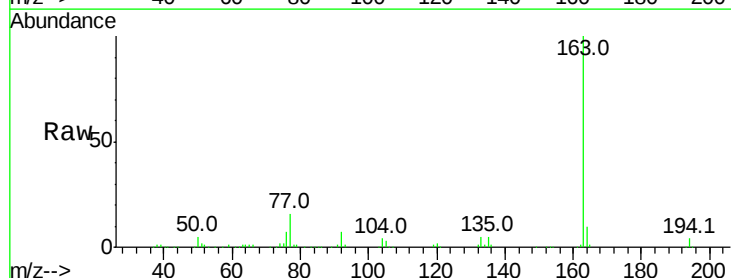


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

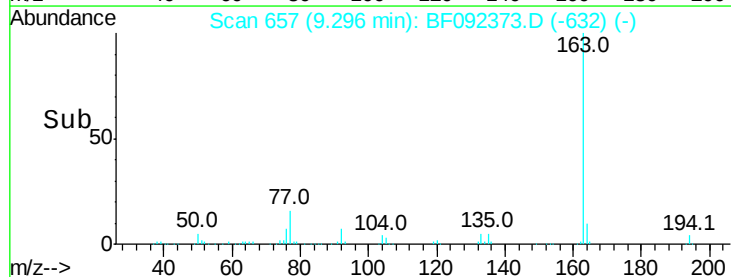
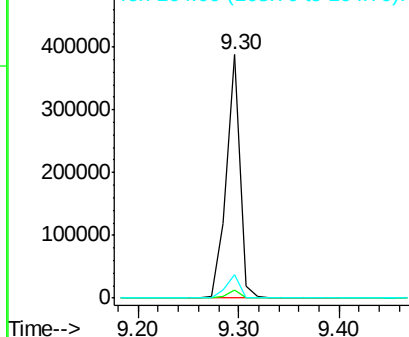


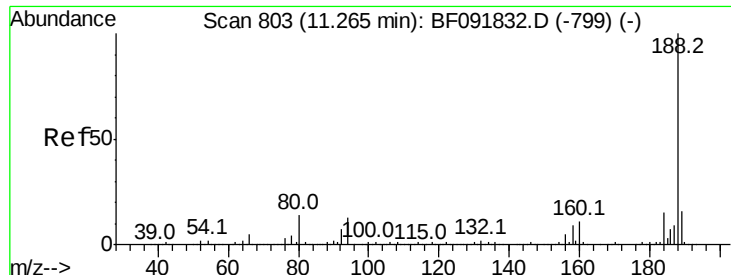
#49
Dimethylphthalate
Concen: 13.04 ng
RT: 9.30 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF092373.D
Acq: 20 Jan 2017 15:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	9.6	8.0	12.0



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





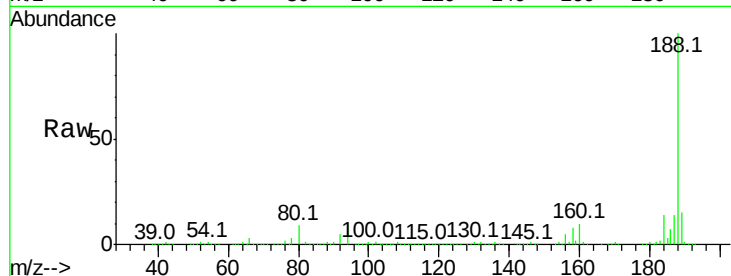
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF092373.D
Acq: 20 Jan 2017 15:21

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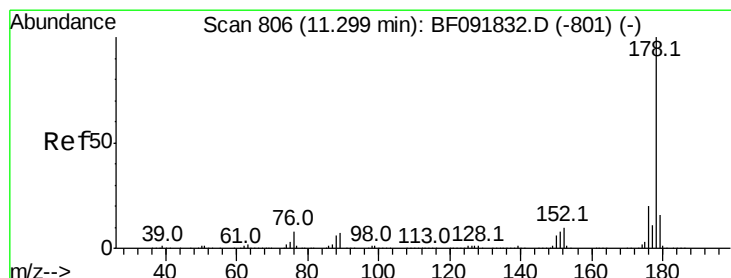
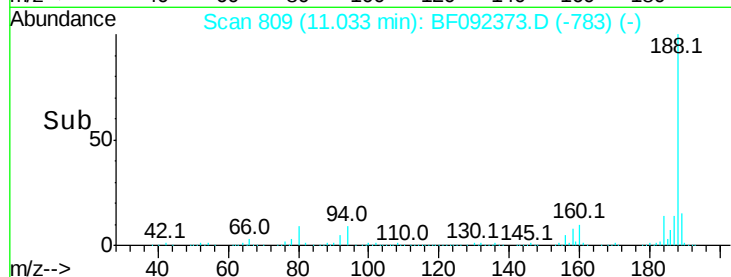
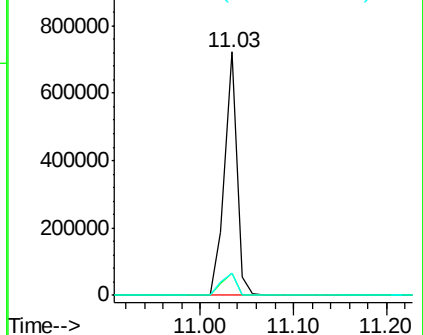
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.1	10.0	15.0#
80	9.2	11.2	16.8#

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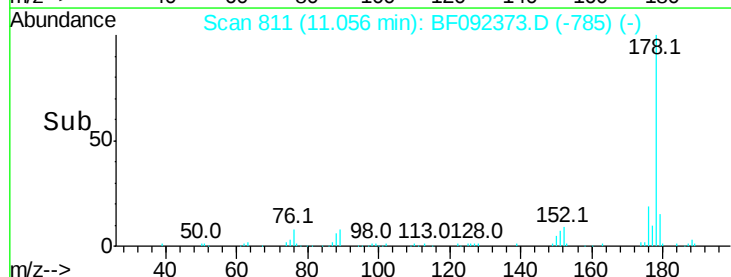
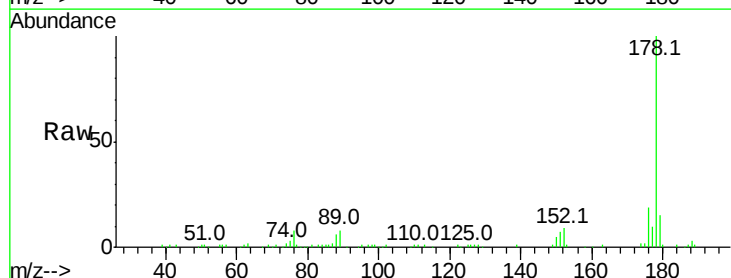
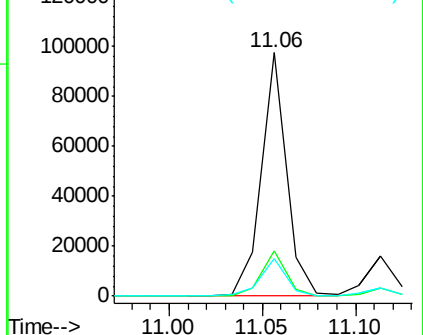
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

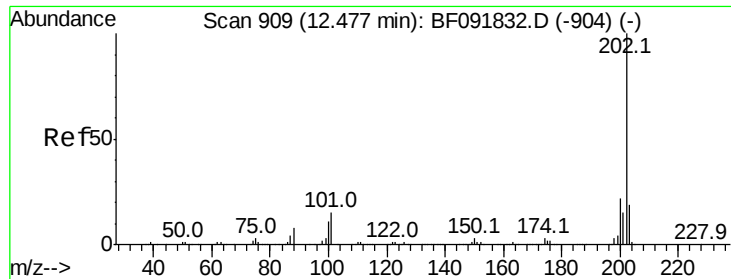


#70
Phenanthrene
Concen: 2.52 ng
RT: 11.06 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF092373.D
Acq: 20 Jan 2017 15:21

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	16.6	25.0
179	15.4	12.8	19.2

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.72 ng

RT: 12.23 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF092373.D

Acq: 20 Jan 2017 15:21

Instrument :

BNA_F

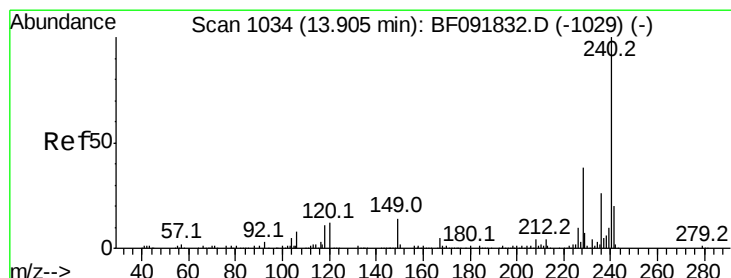
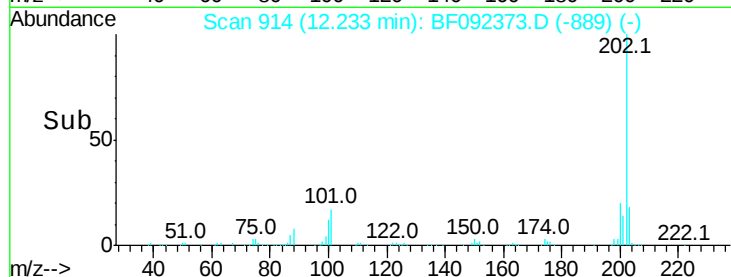
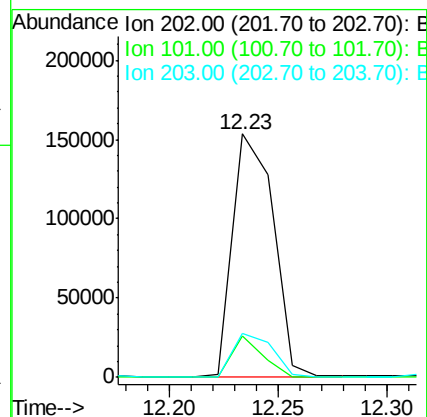
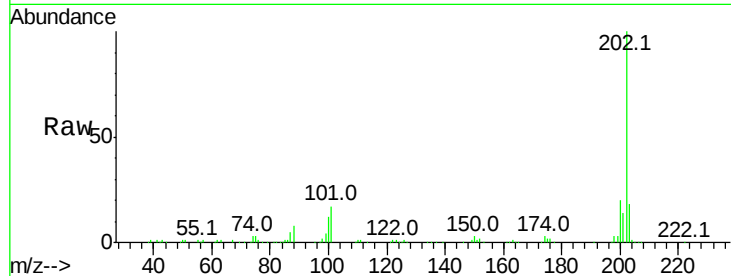
ClientSampleId :

1634-NOTTINGHAM-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	17.1	0.0	34.6
203	18.1	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

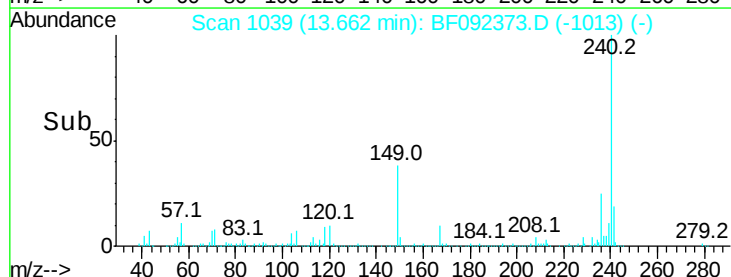
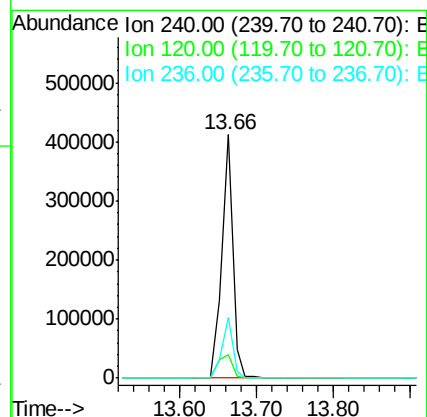
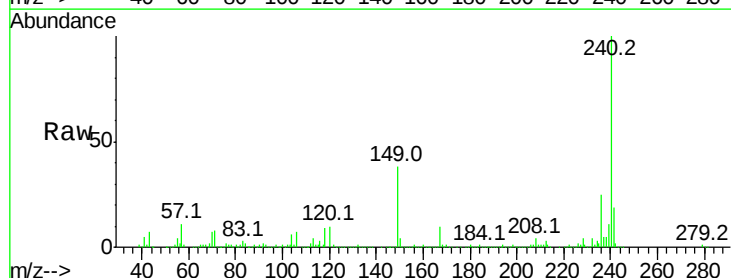
RT: 13.66 min Scan# 1039

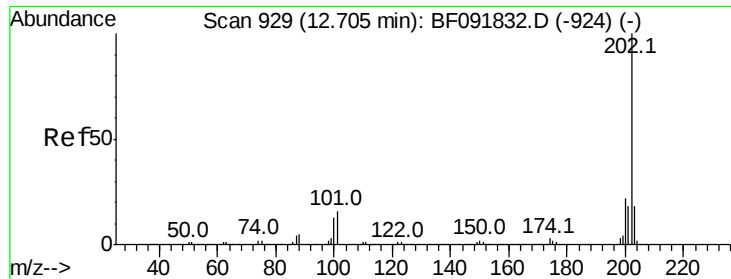
Delta R.T. -0.00 min

Lab File: BF092373.D

Acq: 20 Jan 2017 15:21

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	12.9	19.3#
236	25.1	20.9	31.3





#77

Pvrene

Concen: 6.21 ng

RT: 12.46 min Scan# 934

Delta R.T. -0.00 min

Lab File: BF092373.D

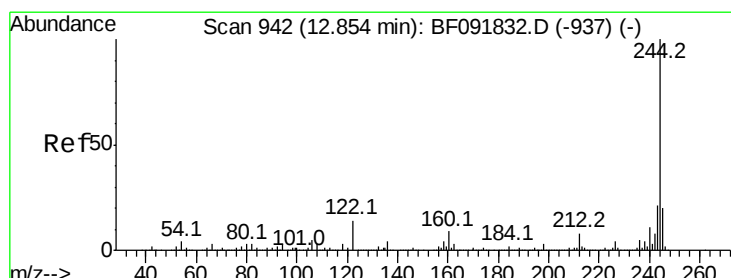
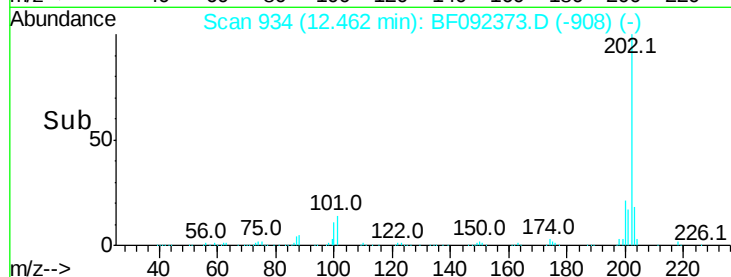
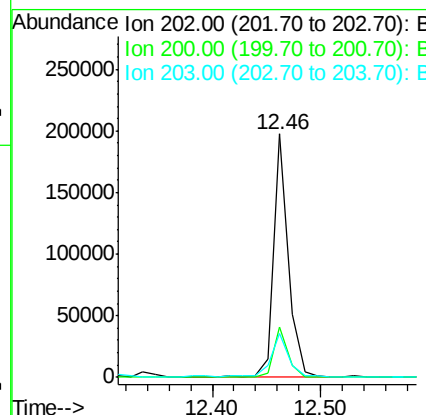
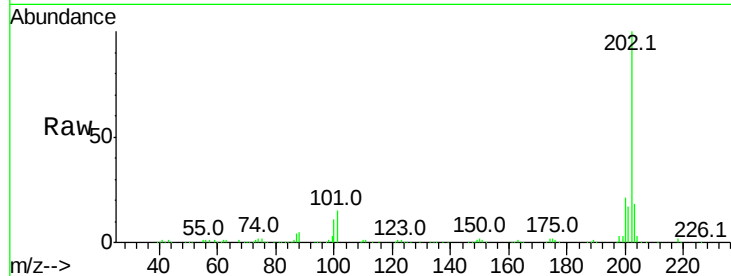
Acq: 20 Jan 2017 15:21

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.7	26.5
203	18.2	14.7	22.1

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#78

Terphenyl-d14

Concen: 94.66 ng

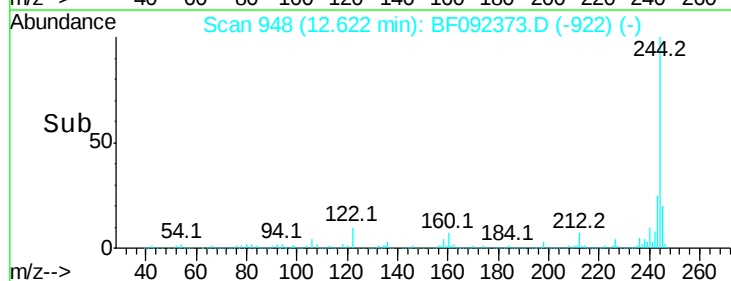
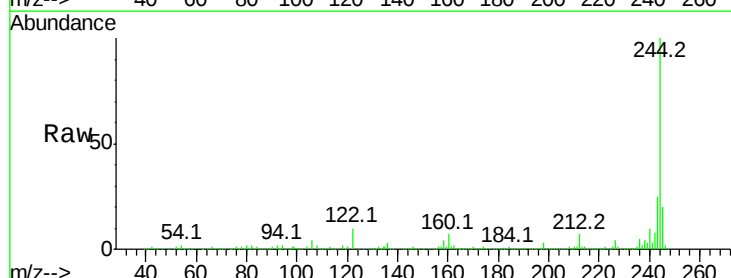
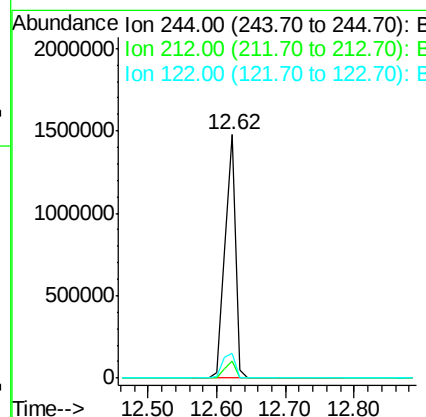
RT: 12.62 min Scan# 948

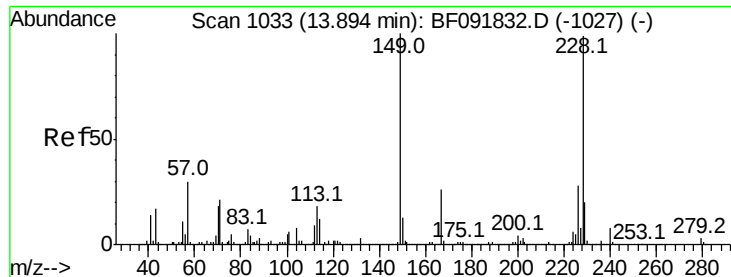
Delta R.T. -0.00 min

Lab File: BF092373.D

Acq: 20 Jan 2017 15:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.2	9.2
122	10.3	11.4	17.2#





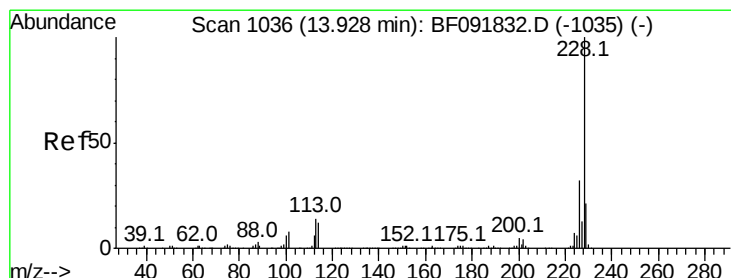
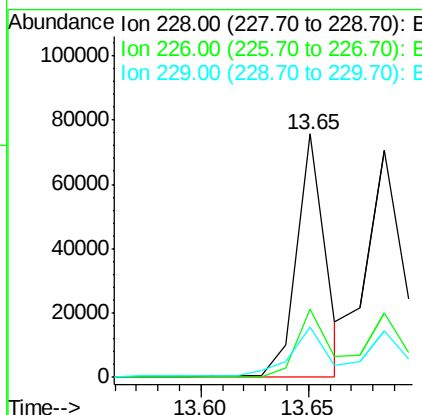
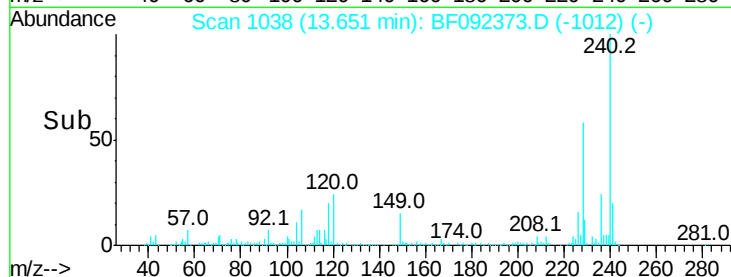
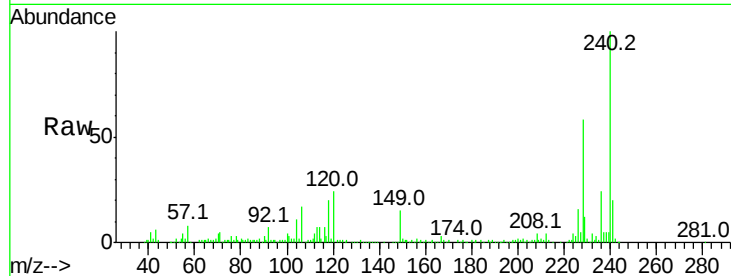
#80
Benzo(a)anthracene
Concen: 3.07 ng m
RT: 13.65 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF092373.D
Acq: 20 Jan 2017 15:21

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.4	33.6
229	20.7	16.2	24.4

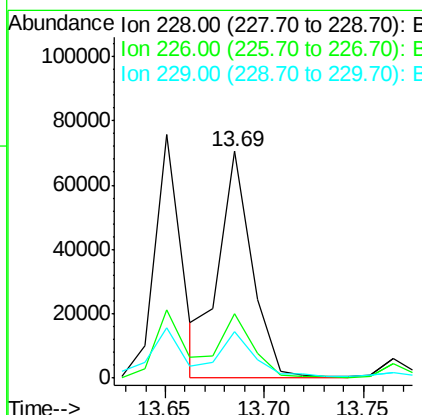
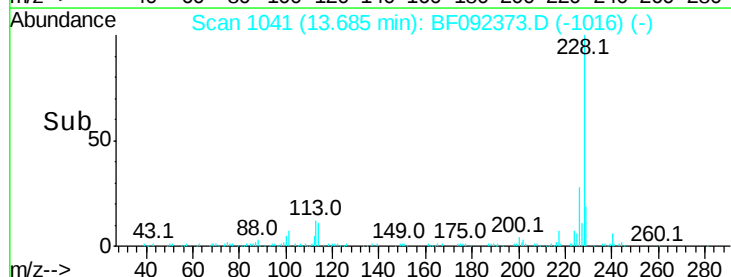
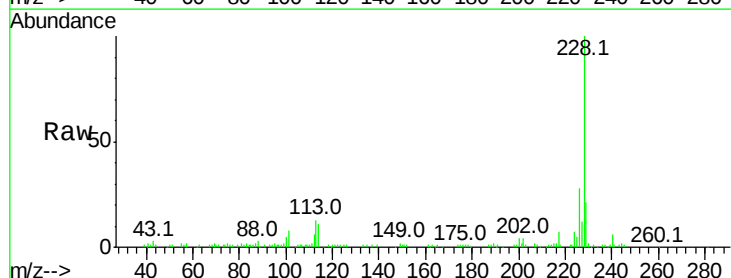
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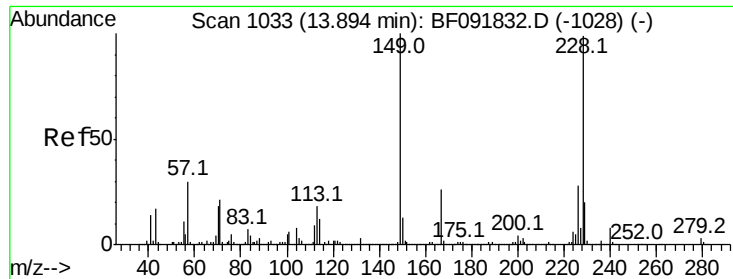
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#82
Chrysene
Concen: 3.54 ng m
RT: 13.69 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF092373.D
Acq: 20 Jan 2017 15:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	25.4	38.0
229	20.6	16.2	24.2





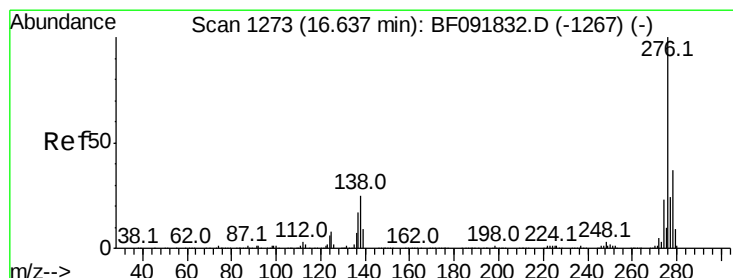
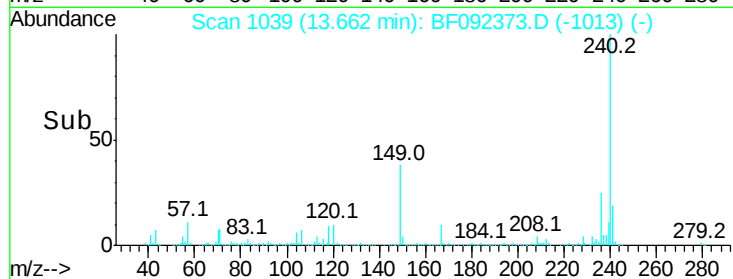
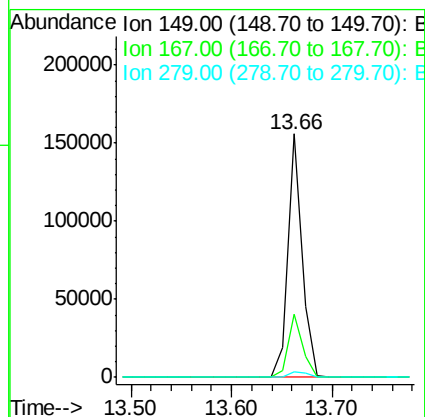
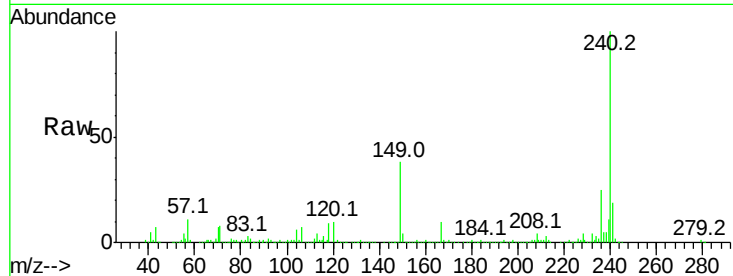
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 9.53 ng
 RT: 13.66 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: BF092373.D
 Acq: 20 Jan 2017 15:21

Instrument :
 BNA_F
 ClientSampleId :
 1634-NOTTINGHAM-COMP

Tot Ion	Ratio	Resp	Lower	Upper
149	100	154657		
167	25.9	20.2	30.4	
279	2.4	1.8	2.8	

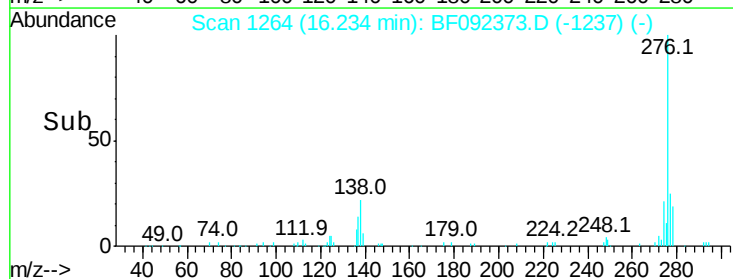
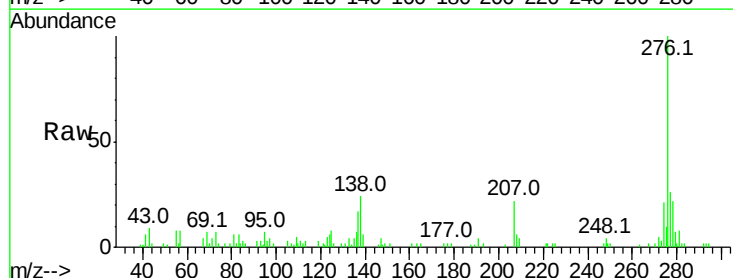
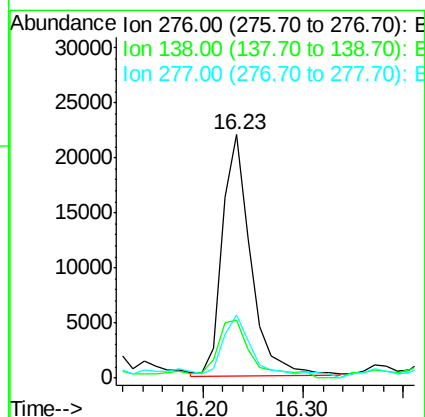
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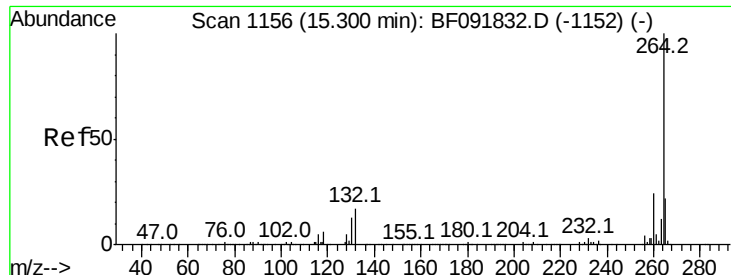
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.12 ng
 RT: 16.23 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: BF092373.D
 Acq: 20 Jan 2017 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	42917		
138	29.5	21.8	32.6	
277	29.2	20.2	30.4	





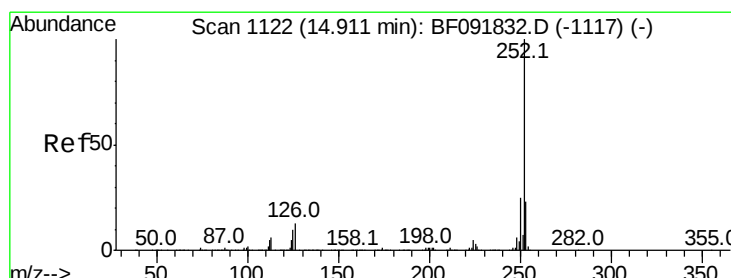
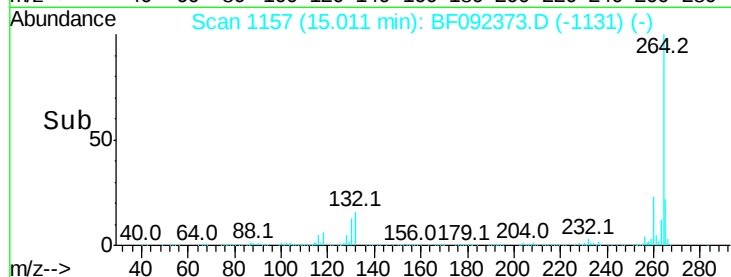
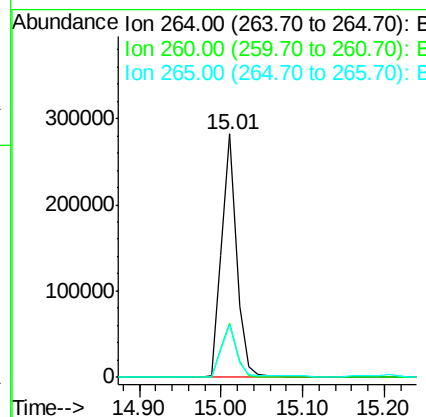
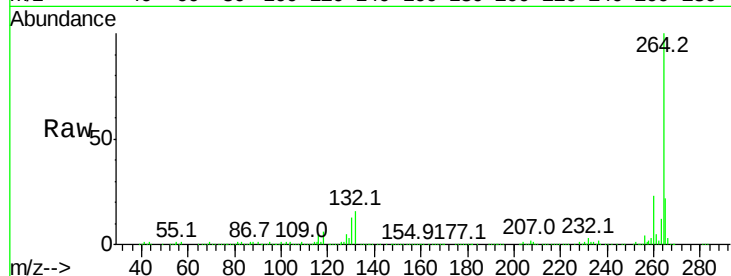
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.01 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BF092373.D
Acq: 20 Jan 2017 15:21

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	21.7	17.4	26.0

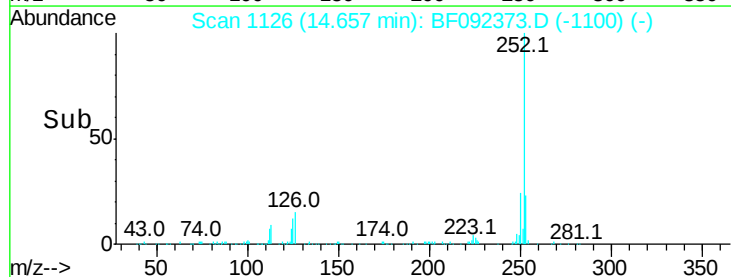
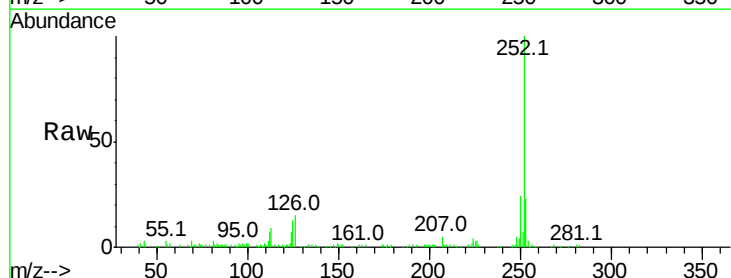
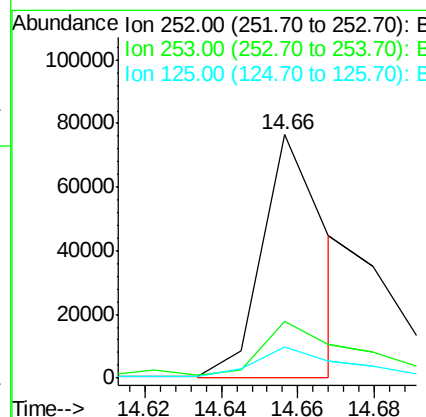
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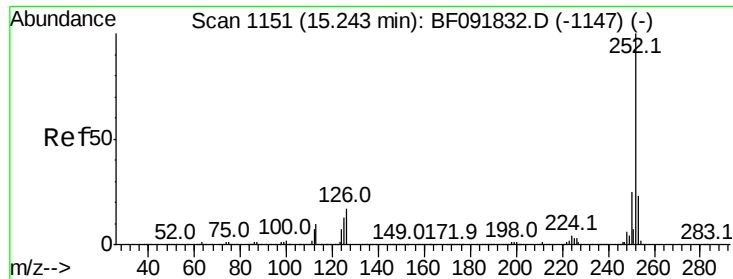
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#87
Benzo(b)fluoranthene
Concen: 3.92 ng m
RT: 14.66 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BF092373.D
Acq: 20 Jan 2017 15:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	12.6	9.8	14.6





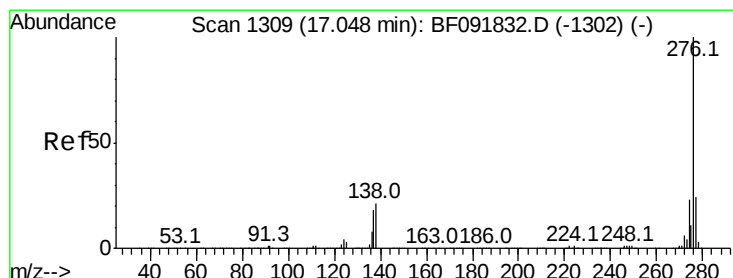
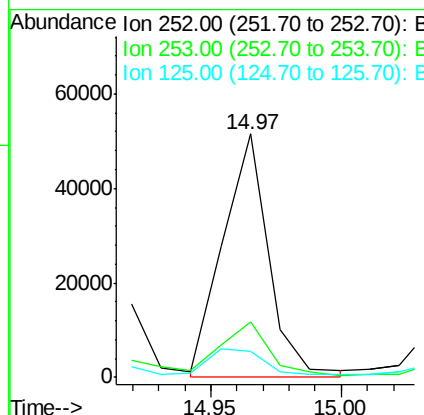
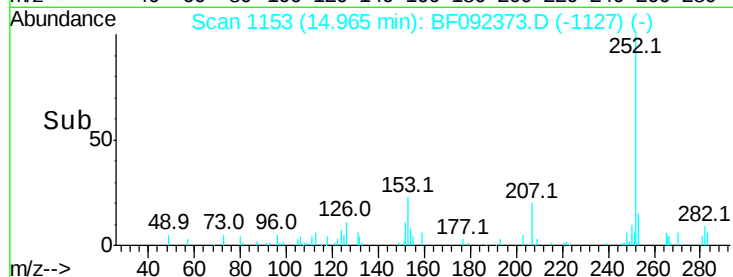
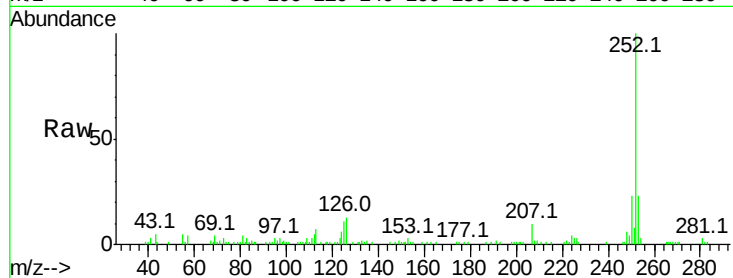
#89
Benzo(a)pyrene
Concen: 3.13 ng
RT: 14.97 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF092373.D
Acq: 20 Jan 2017 15:21

Instrument :
BNA_F
ClientSampleId :
1634-NOTTINGHAM-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	10.9	10.0	15.0

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.48 ng
RT: 16.59 min Scan# 1295
Delta R.T. 0.01 min
Lab File: BF092373.D
Acq: 20 Jan 2017 15:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.2	28.8
138	27.5	16.0	24.0

