

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
 Data File : BF091061.D
 Acq On : 7 Nov 2016 17:38
 Operator : UM/SJ
 Sample : H5539-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V001-BF017-01

Manual Integrations
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Quant Time: Nov 08 00:33:45 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 00:06:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	187729	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	723214	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	408322	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	594273	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	408858	20.00	ng	0.00
86) Perylene-d12	15.21	264	367865	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	1163402	102.35	ng	0.00
7) Phenol-d6	6.33	99	1702212	110.33	ng	0.00
23) Nitrobenzene-d5	7.24	82	1086932	81.99	ng	0.00
41) 2,4,6-Tribromophenol	10.50	330	337833	91.52	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	1420578	59.90	ng	-0.01
78) Terphenyl-d14	12.77	244	1237700	75.54	ng	-0.01
Target Compounds						
10) Phenol	6.34	94	93640	5.48	ng	Qvalue # 53
49) Dimethylphthalate	9.44	163	97602	3.65	ng	98
70) Phenanthrene	11.21	178	277035	8.77	ng	99
74) Fluoranthene	12.40	202	440277	13.44	ng	96
77) Pyrene	12.63	202	369134	13.79	ng	98
80) Benzo(a)anthracene	13.81	228	155685m	6.71	ng	
82) Chrysene	13.85	228	145868m	6.37	ng	
85) Indeno(1,2,3-cd)pyrene	16.50	276	81295	4.28	ng	# 90
87) Benzo(b)fluoranthene	14.82	252	166195m	6.66	ng	
88) Benzo(k)fluoranthene	14.83	252	76374m	3.49	ng	
89) Benzo(a)pyrene	15.15	252	124870	5.75	ng	# 97
91) Benzo(a,h,i)perylene	16.88	276	75442	4.44	ng	98

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

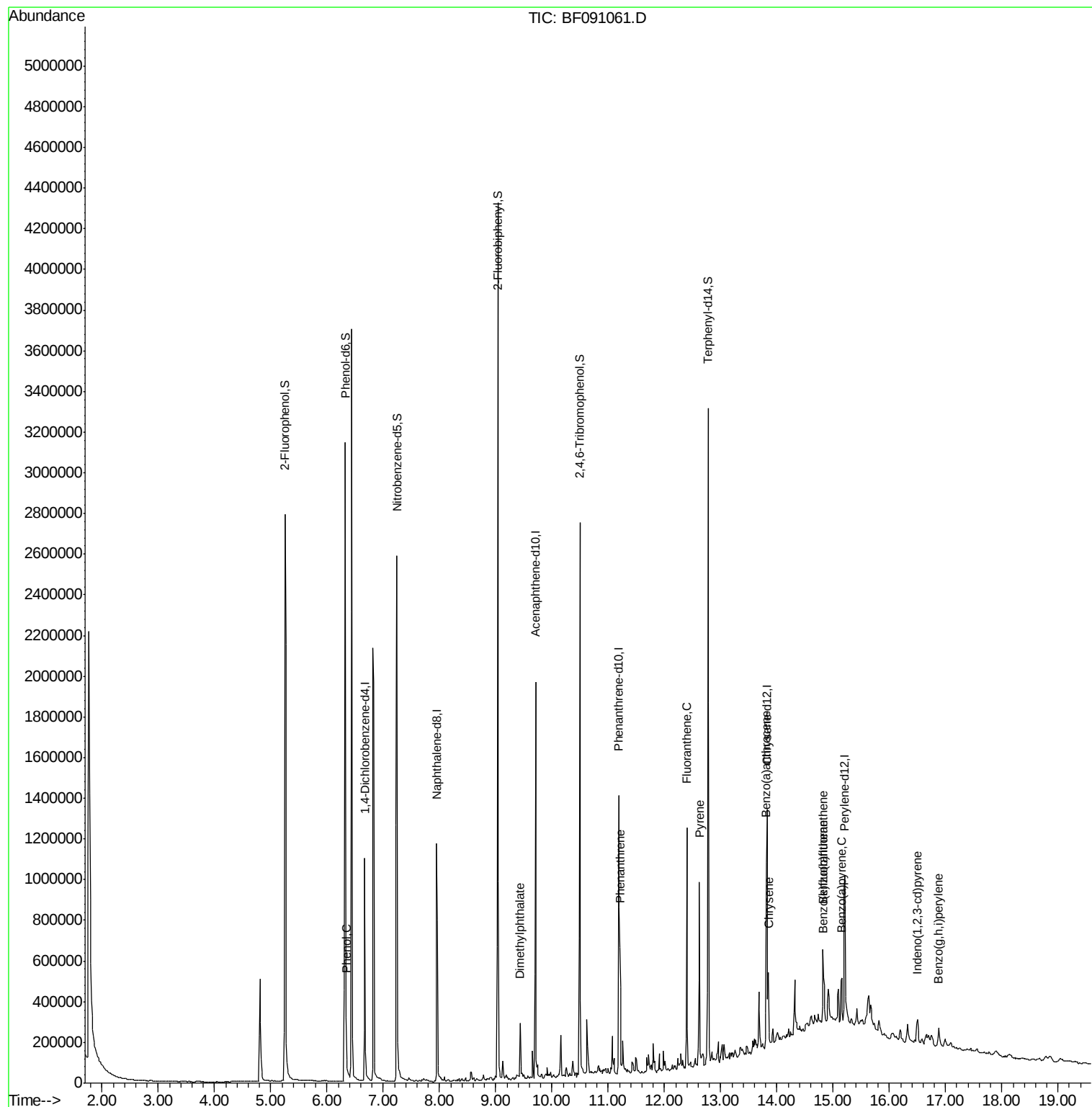
Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
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ALS Vial : 13 Sample Multiplier: 1

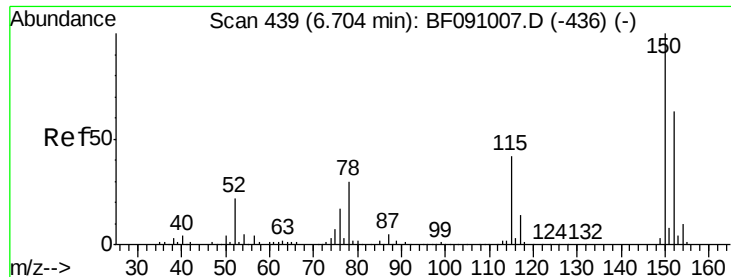
Instrument :
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ClientSampleId :
V001-BF017-01

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Quant Time: Nov 08 00:33:45 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
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#1

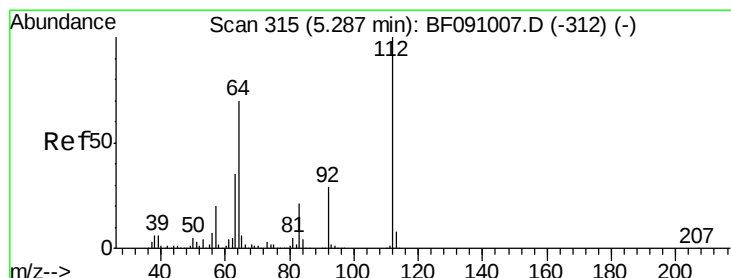
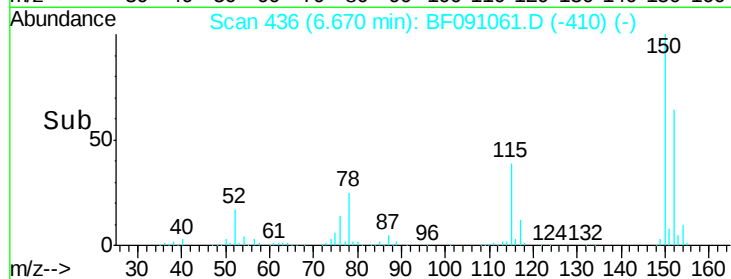
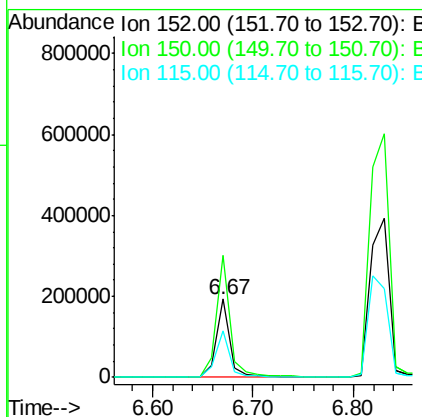
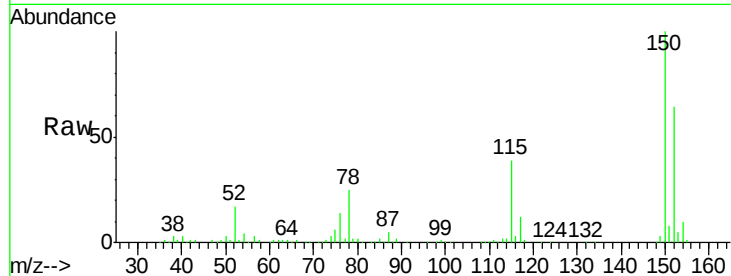
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 436
Delta R.T. 0.00 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Instrument :
BNA_F
ClientSampled :
V001-BF017-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.8	190.2
115	60.1	53.3	79.9

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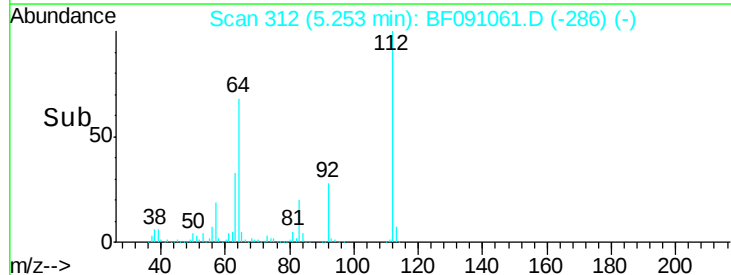
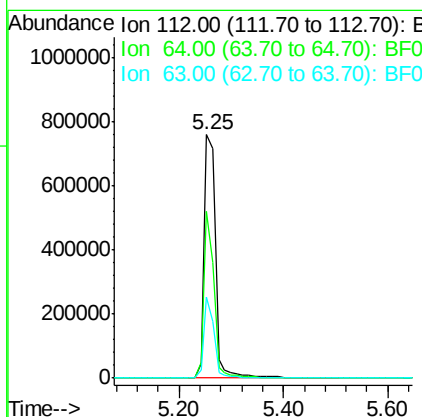
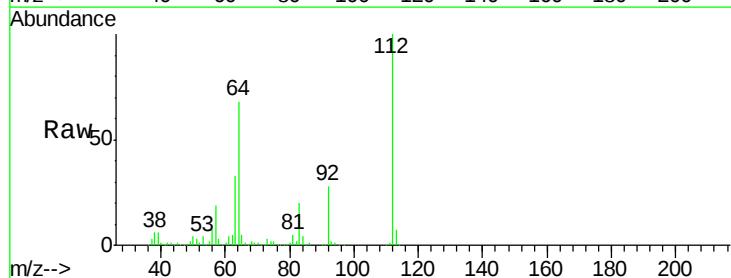
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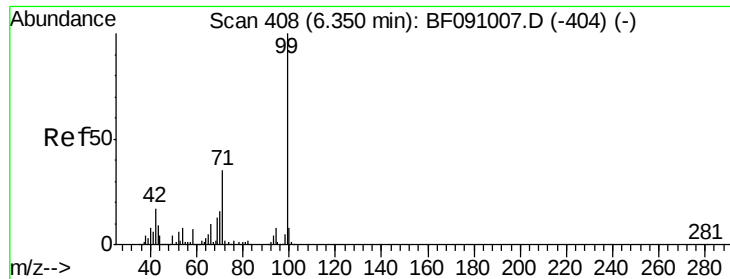


#5

2-Fluorophenol
Concen: 102.35 ng
RT: 5.25 min Scan# 312
Delta R.T. 0.00 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	55.8	83.6
63	33.5	28.0	42.0





#7

Phenol-d6

Concen: 110.33 ng

RT: 6.33 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Instrument :

BNA_F

ClientSampleId :

V001-BF017-01

Tot Ion: 99 Resp: 1702212

Ion Ratio Lower Upper

99 100

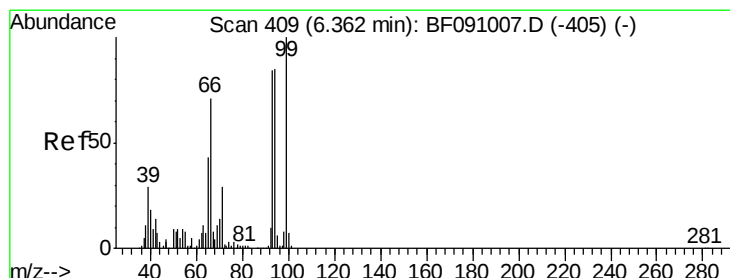
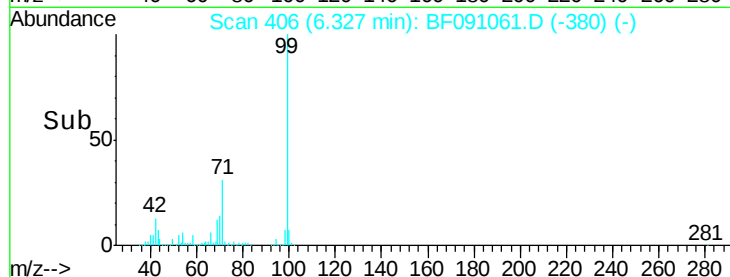
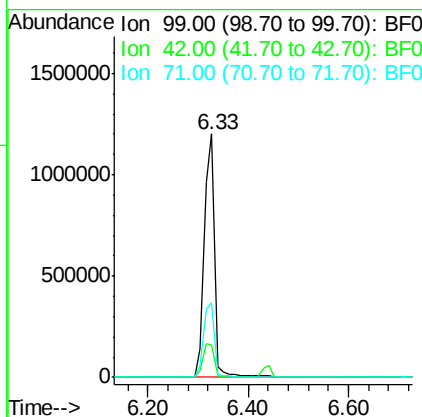
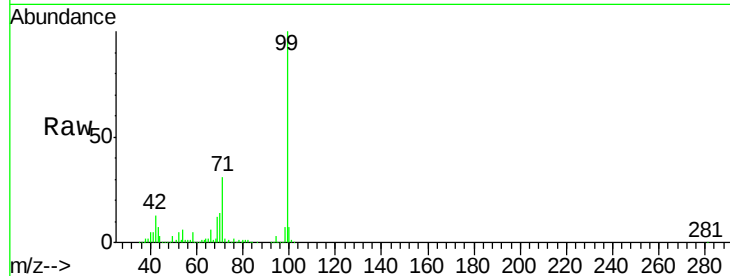
42 13.1 13.9 20.9#

71 30.7 27.8 41.8

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#10

Phenol

Concen: 5.48 ng

RT: 6.34 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

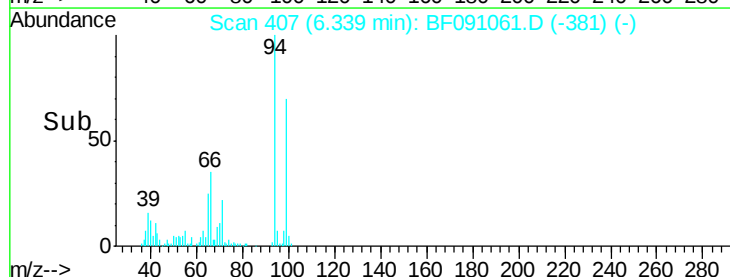
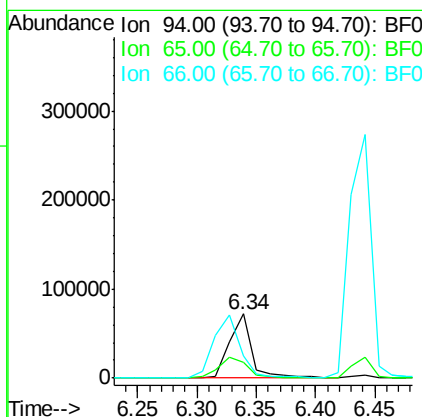
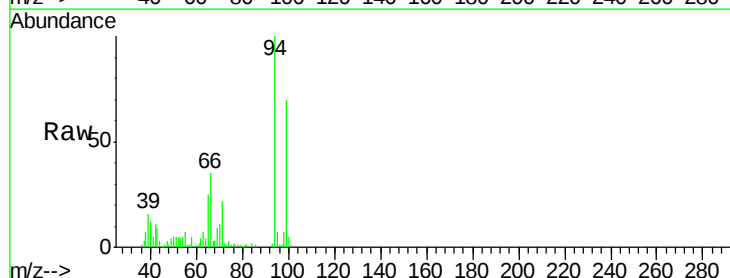
Tgt Ion: 94 Resp: 93640

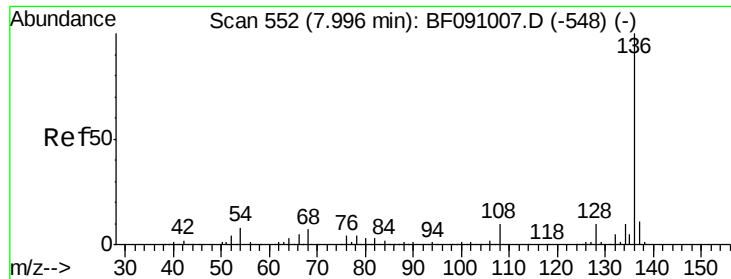
Ion Ratio Lower Upper

94 100

65 25.3 30.4 70.4#

66 34.7 62.9 102.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 548

Delta R.T. -0.01 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Instrument :

BNA_F

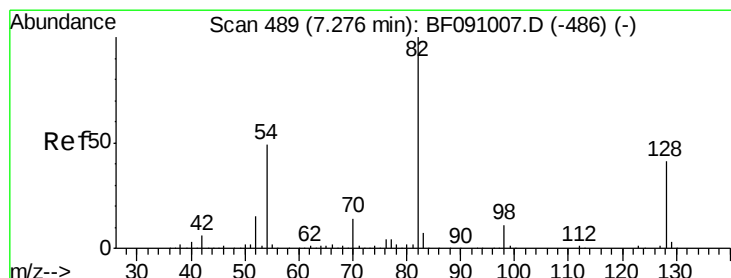
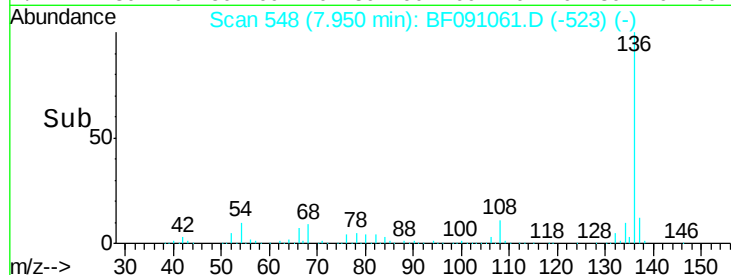
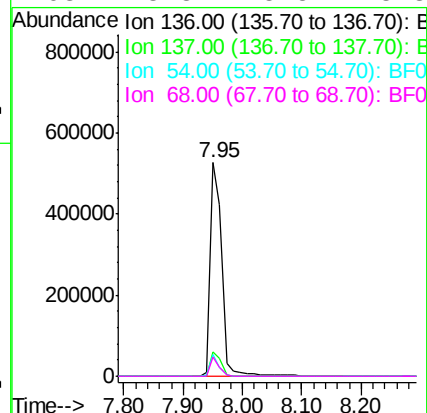
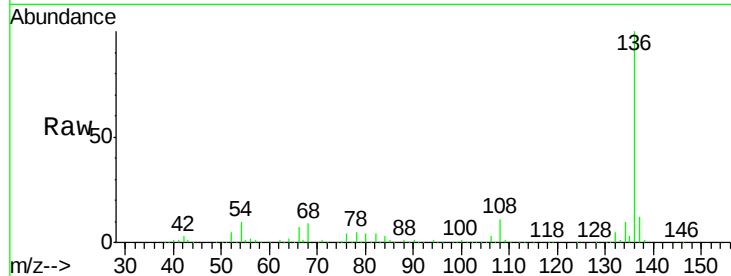
ClientSampleId :

V001-BF017-01

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	10.4	6.2	9.2#
68	8.8	5.5	8.3#

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#23

Nitrobenzene-d5

Concen: 81.99 ng

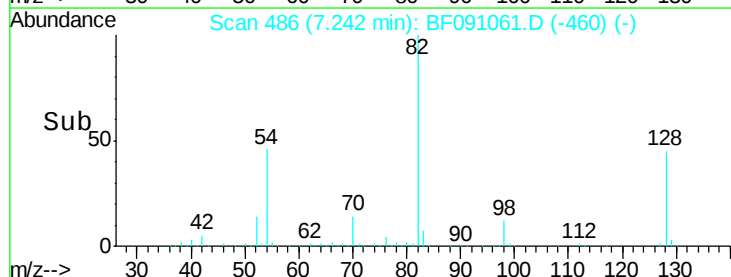
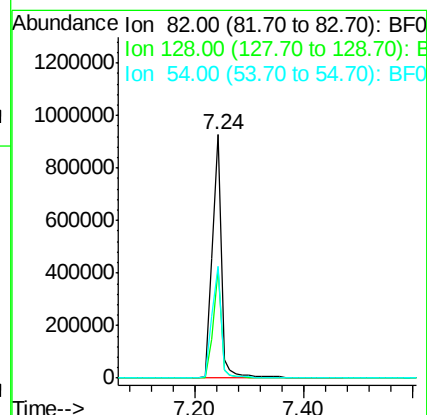
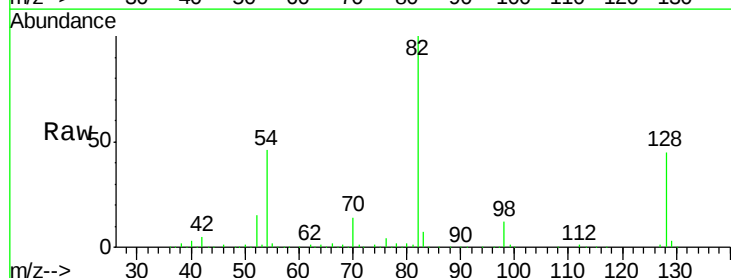
RT: 7.24 min Scan# 486

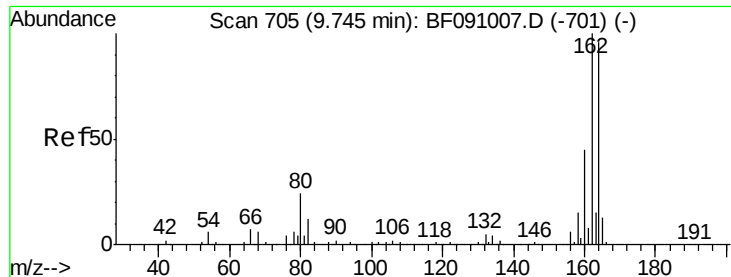
Delta R.T. 0.00 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.8	32.4	48.6
54	45.7	39.2	58.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 702

Delta R.T. 0.00 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Instrument :

BNA_F

ClientSampleId :

V001-BF017-01

Tot Ion:164 Resp: 408322

Ion Ratio Lower Upper

164 100

162 104.7 83.6 125.4

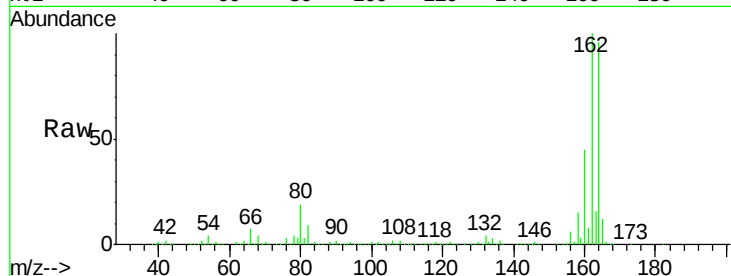
160 47.2 37.9 56.9

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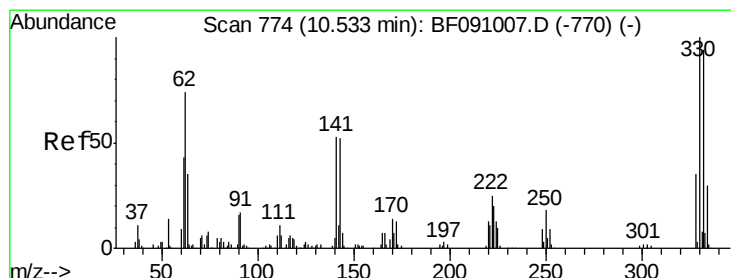
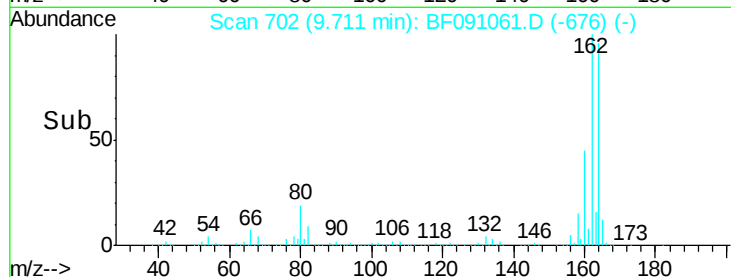
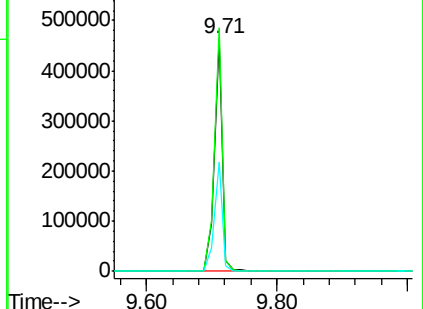
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 91.52 ng

RT: 10.50 min Scan# 771

Delta R.T. -0.01 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

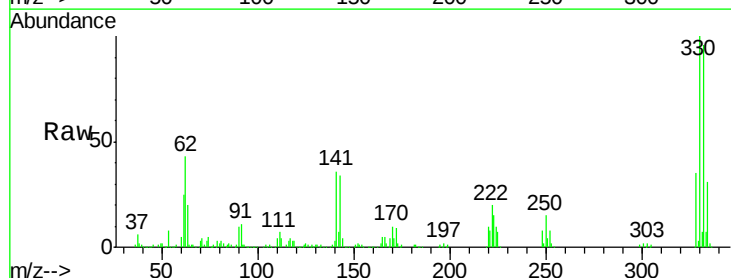
Tgt Ion:330 Resp: 337833

Ion Ratio Lower Upper

330 100

332 96.4 75.9 113.9

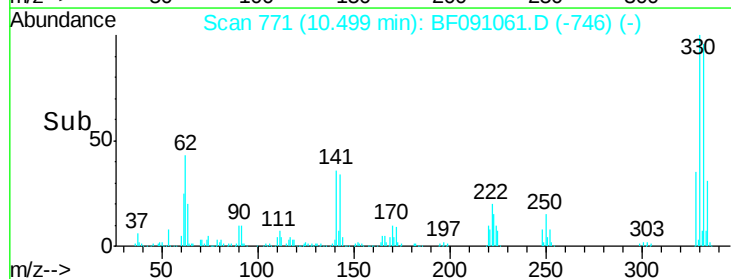
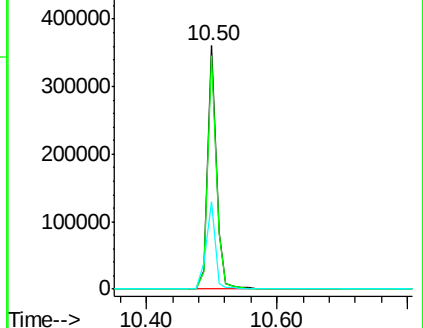
141 38.0 36.1 54.1

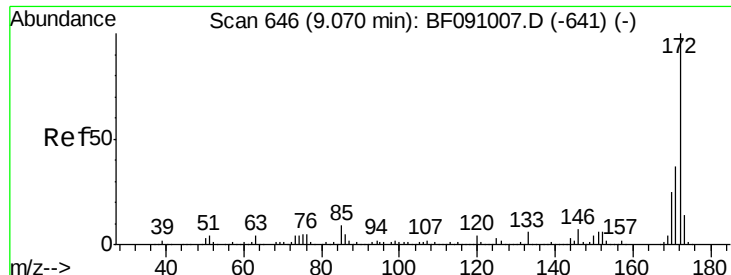


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





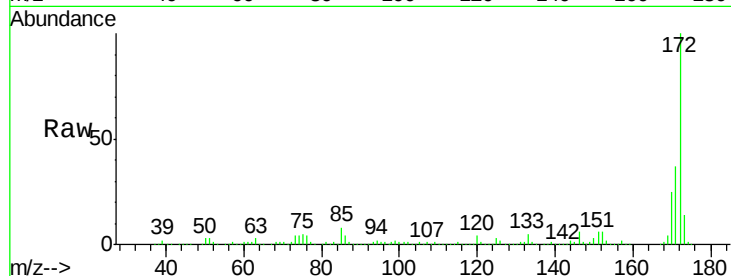
#44
2-Fluorobiphenyl
Concen: 59.90 ng
RT: 9.04 min Scan# 643
Delta R.T. -0.01 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Instrument :
BNA_F
ClientSampleId :
V001-BF017-01

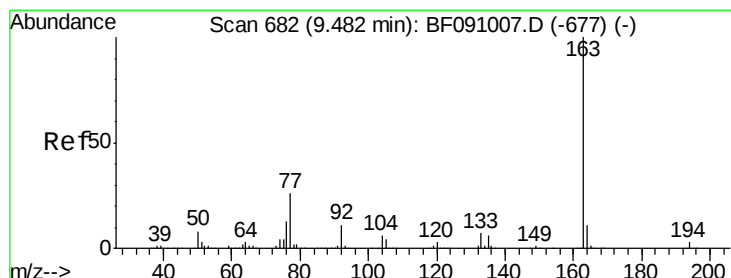
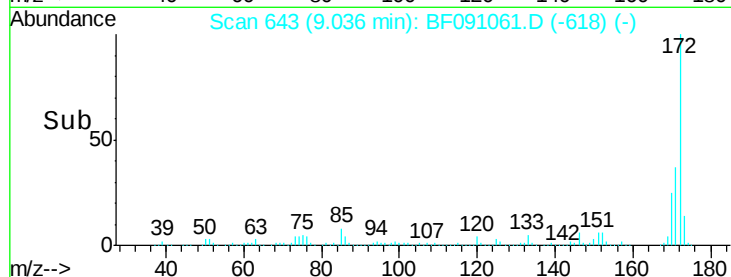
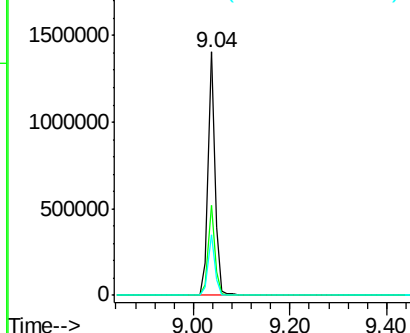
Tot Ion:172 Resp: 1420578
Ion Ratio Lower Upper
172 100
171 37.1 29.8 44.6
170 25.0 20.3 30.5

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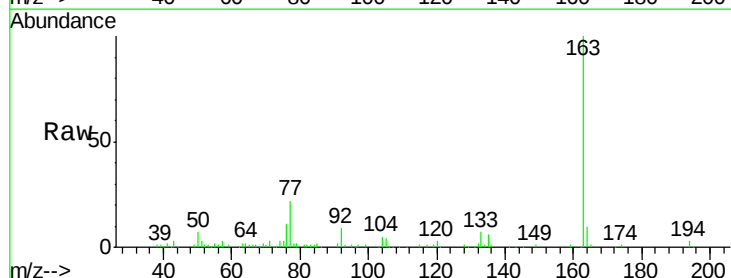


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

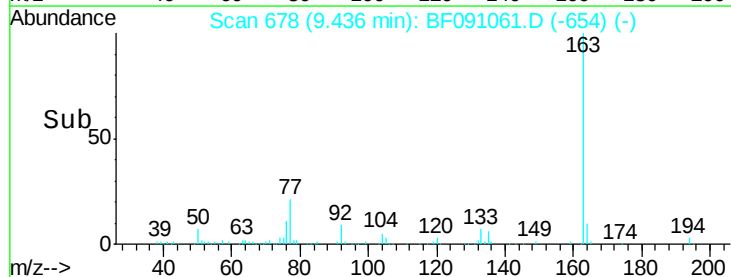
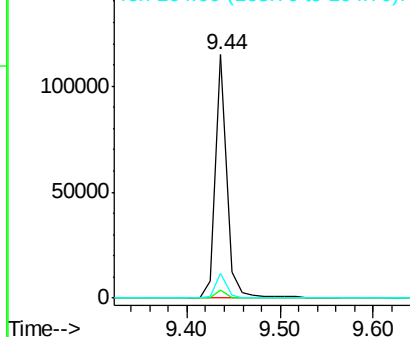


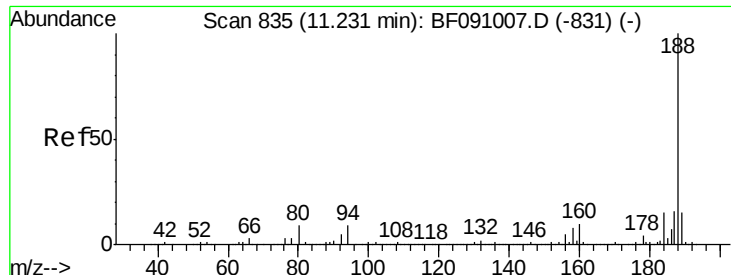
#49
Dimethylphthalate
Concen: 3.65 ng
RT: 9.44 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Tgt Ion:163 Resp: 97602
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.2 8.7 13.1



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





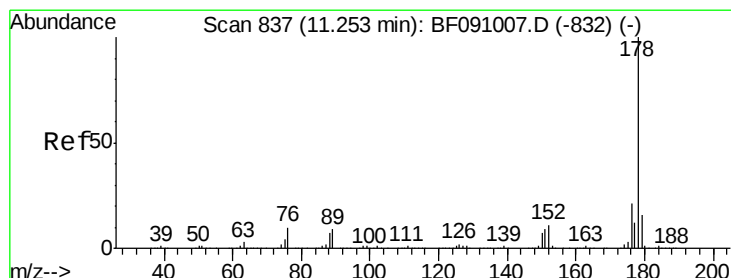
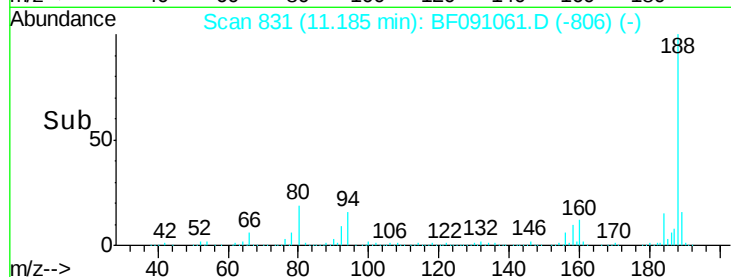
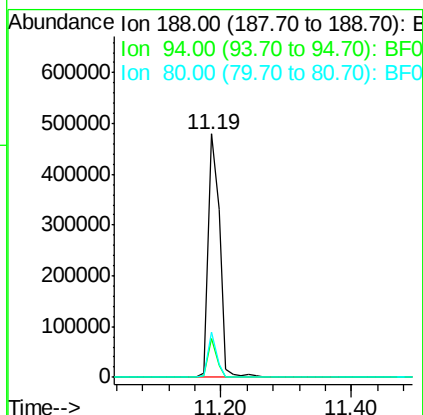
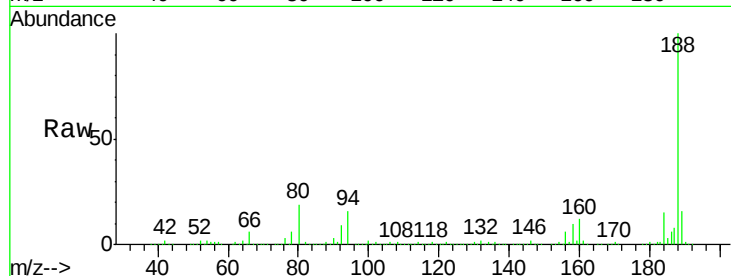
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Instrument :
BNA_F
ClientSampleId :
V001-BF017-01

Tot Ion	Ratio	Resp	Lower	Upper
188	100	594273		
94	16.2		7.0	10.4#
80	18.8		7.5	11.3#

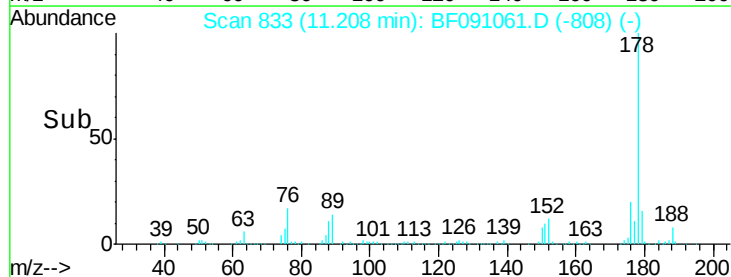
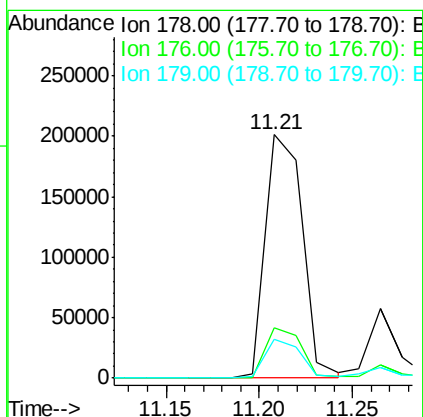
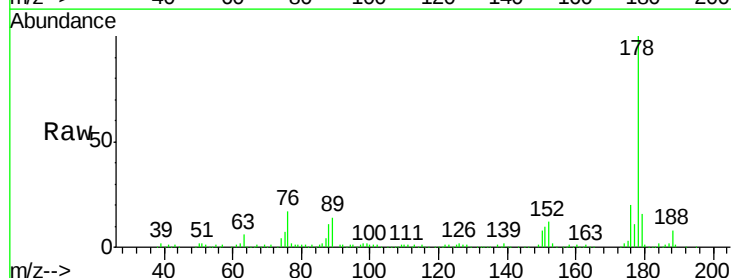
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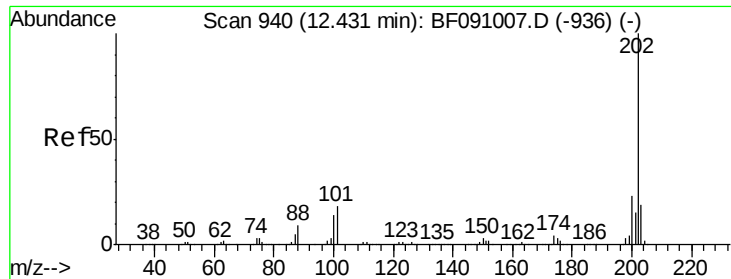
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#70
Phenanthrene
Concen: 8.77 ng
RT: 11.21 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	277035		
176	20.5		16.6	25.0
179	15.8		12.9	19.3





#74

Fluoranthene

Concen: 13.44 ng

RT: 12.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Instrument :

BNA_F

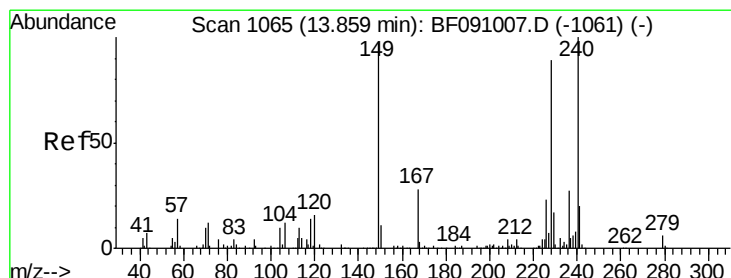
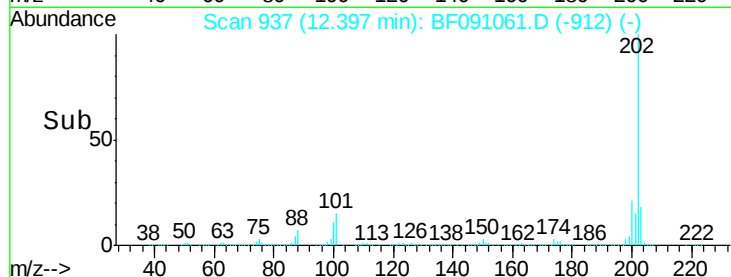
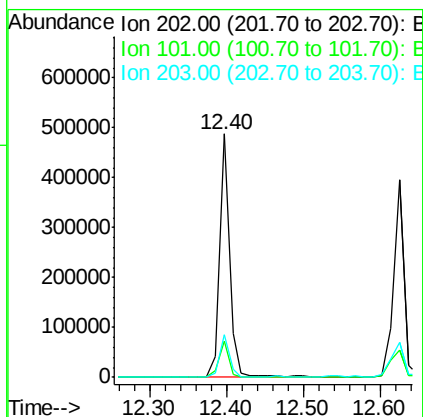
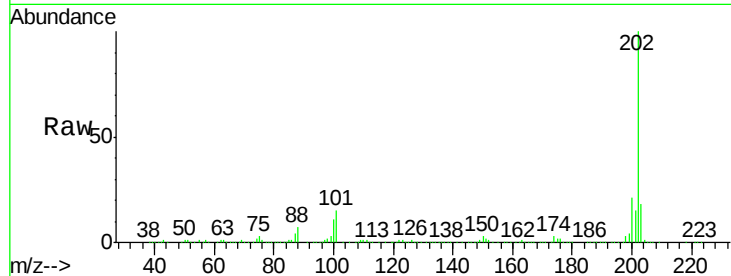
ClientSampleId :

V001-BF017-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		440277		
101	14.7	0.0	37.6		
203	17.6	0.0	38.6		

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#75

Chrysene-d12

Concen: 20.00 ng

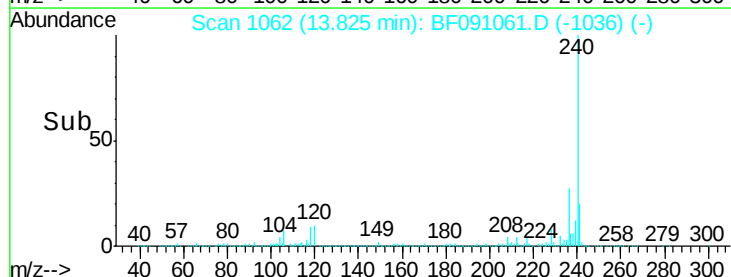
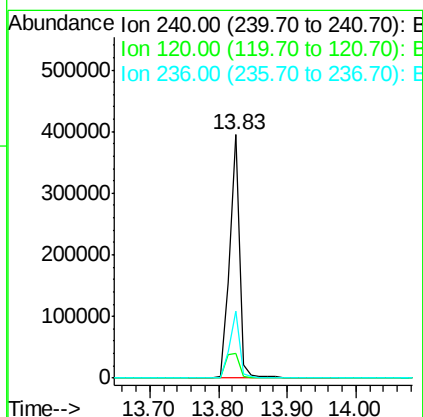
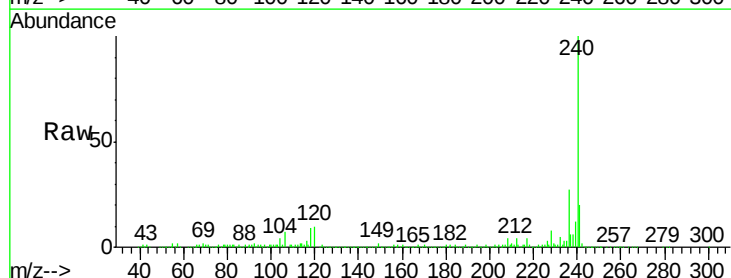
RT: 13.83 min Scan# 1062

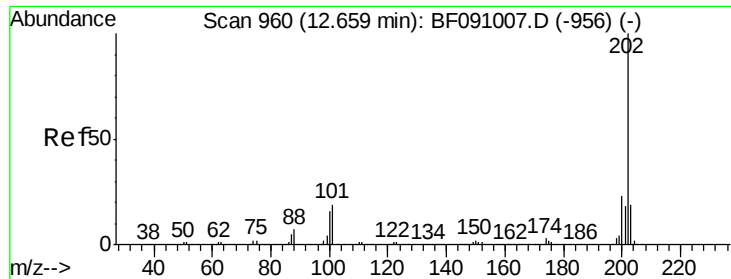
Delta R.T. 0.00 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		408858		
120	10.1	12.9	19.3#		
236	27.4	21.9	32.9		





#77

Pvrene

Concen: 13.79 ng

RT: 12.63 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Instrument :

BNA_F

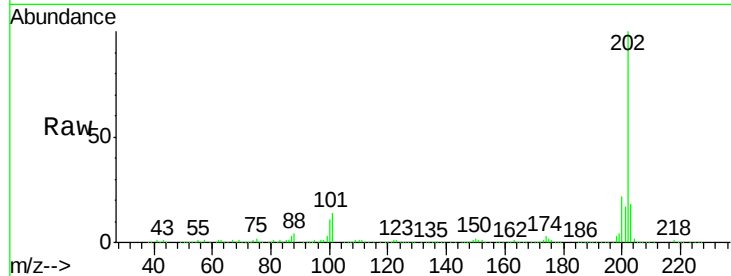
ClientSampled :

V001-BF017-01

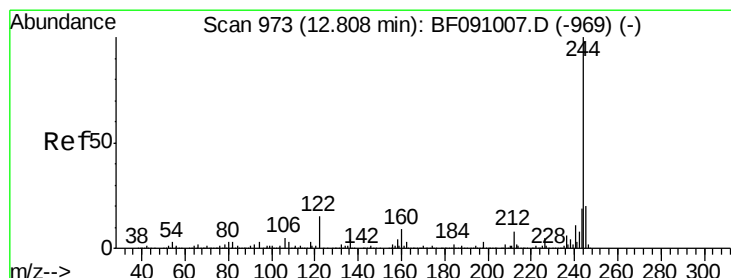
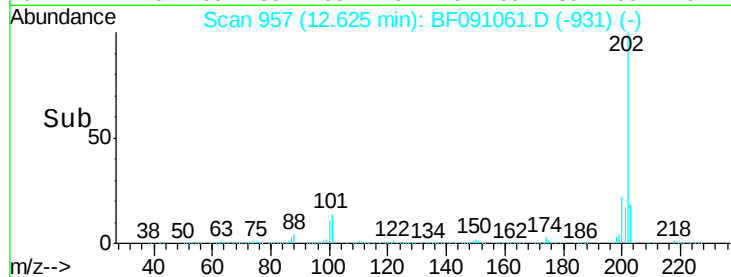
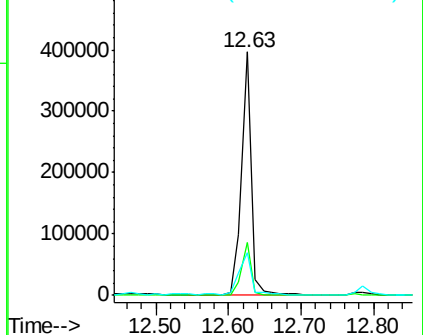
Tot Ion:	202	Resp:	369134
Ion Ratio		Lower	Upper
202	100		
200	21.8	18.4	27.6
203	17.8	15.0	22.6

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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: 75.54 ng

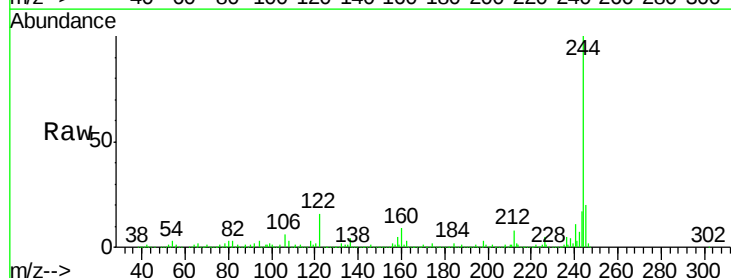
RT: 12.77 min Scan# 970

Delta R.T. -0.01 min

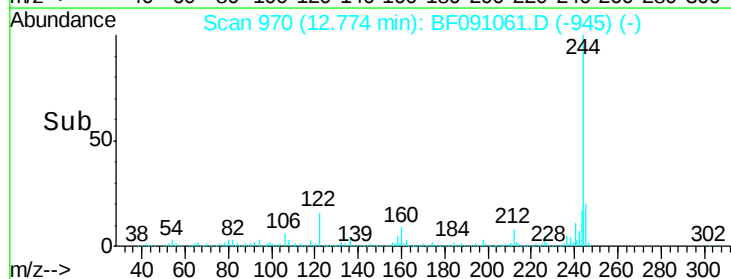
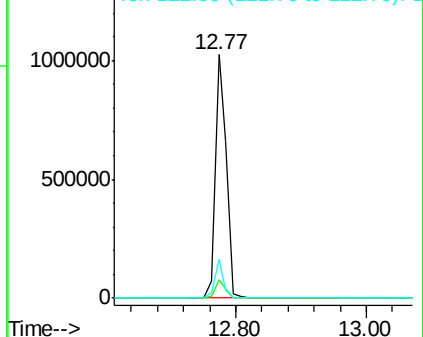
Lab File: BF091061.D

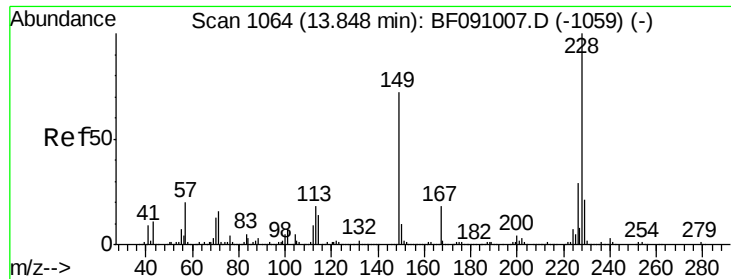
Acq: 7 Nov 2016 17:38

Tgt Ion:	244	Resp:	1237700
Ion Ratio		Lower	Upper
244	100		
212	7.7	6.4	9.6
122	16.2	12.3	18.5



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





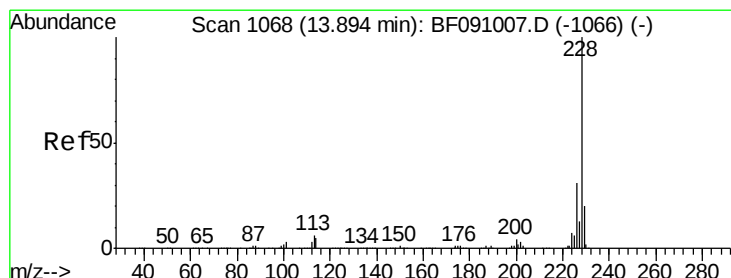
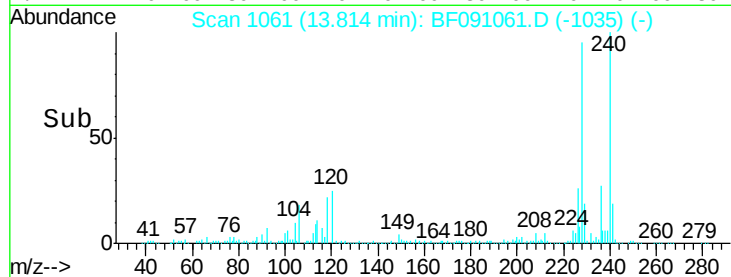
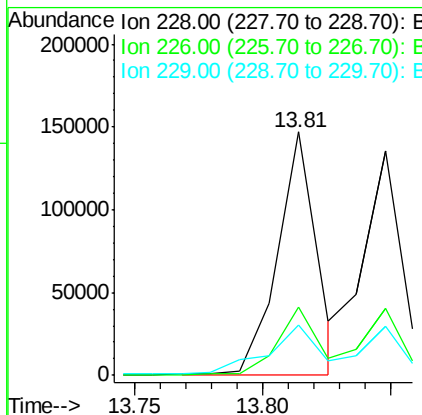
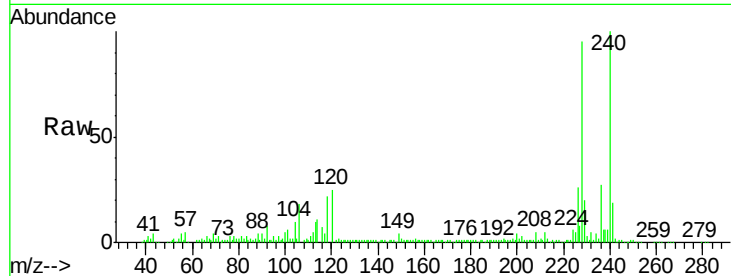
#80
Benzo(a)anthracene
Concen: 6.71 ng m
RT: 13.81 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Instrument :
BNA_F
ClientSampleId :
V001-BF017-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.0	34.6
229	20.8	16.6	24.8

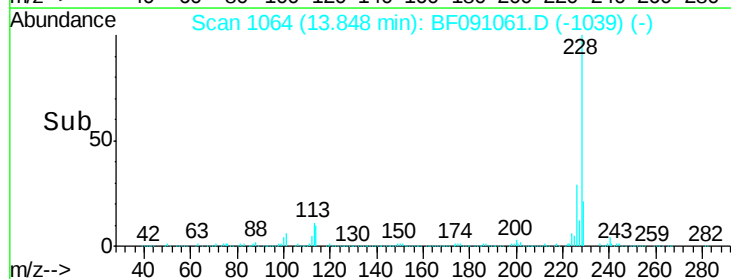
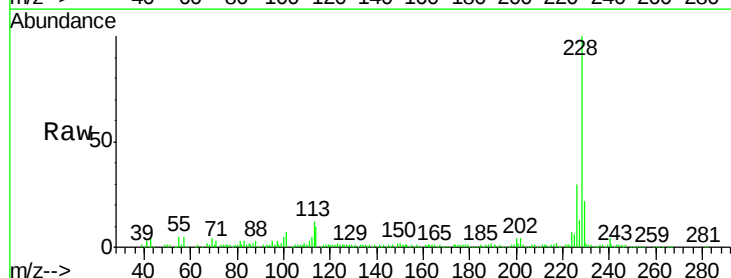
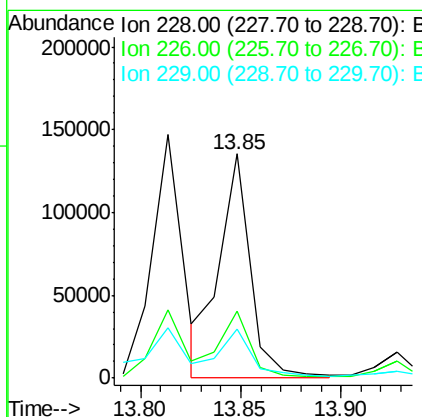
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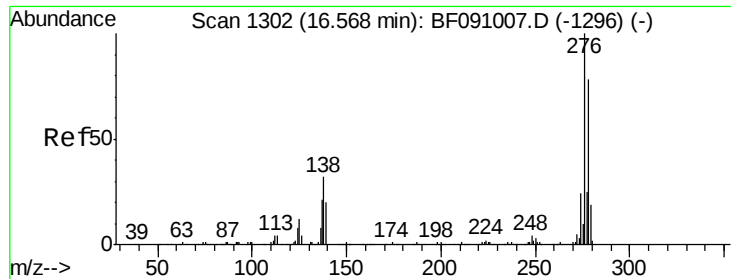
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#82
Chrysene
Concen: 6.37 ng m
RT: 13.85 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	22.0	15.9	23.9





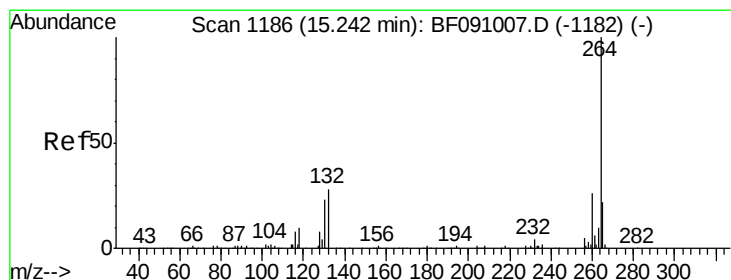
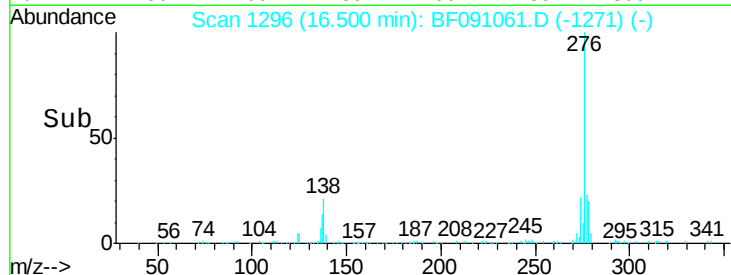
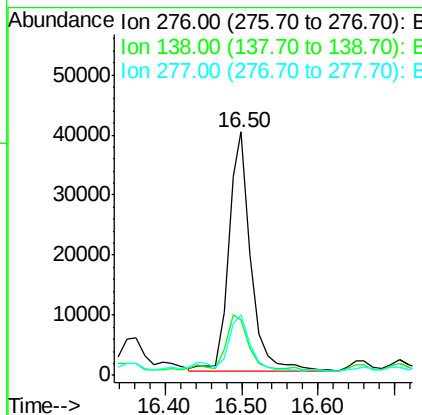
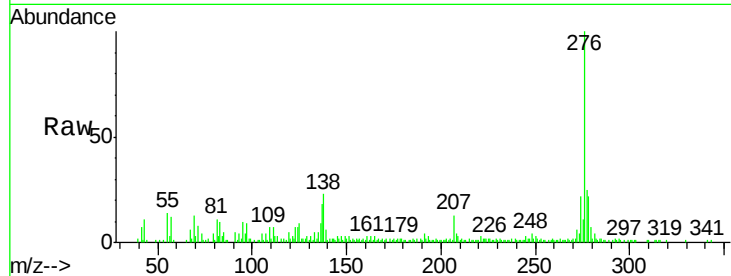
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.28 ng
RT: 16.50 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Instrument :
BNA_F
ClientSampled :
V001-BF017-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.8	26.0	39.0#
277	26.3	20.1	30.1

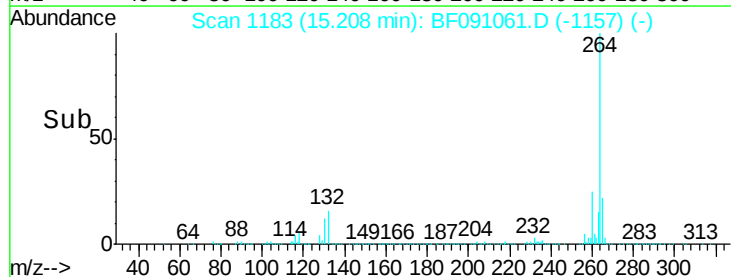
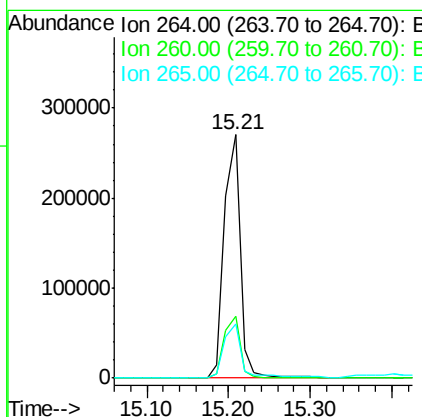
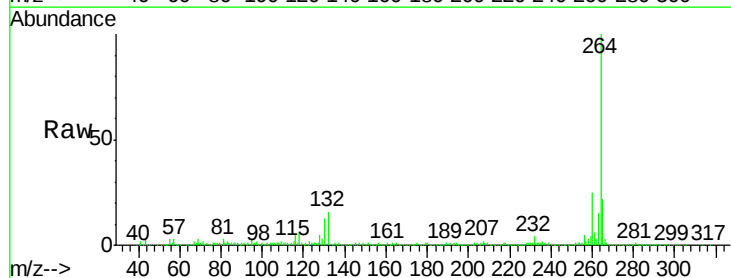
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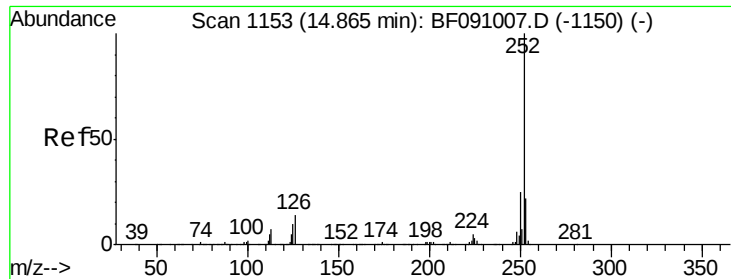
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.6	30.8
265	22.2	17.8	26.8





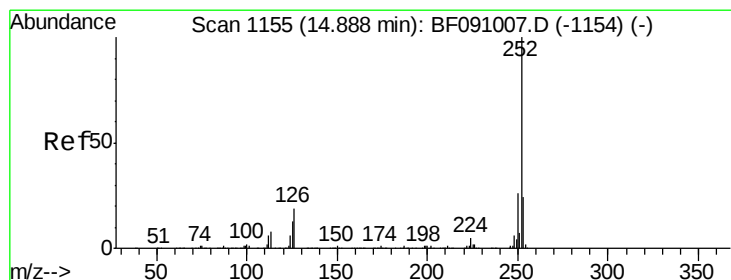
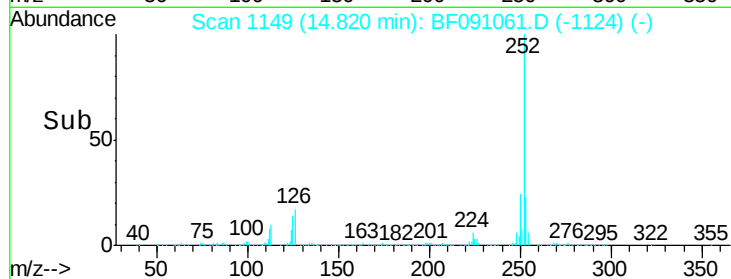
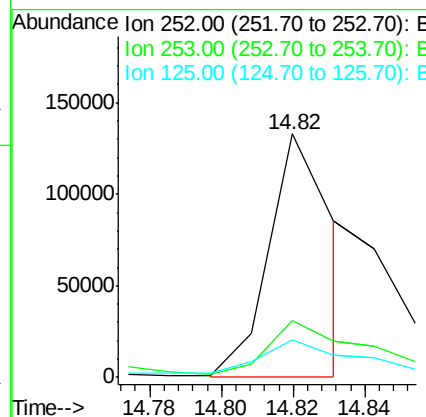
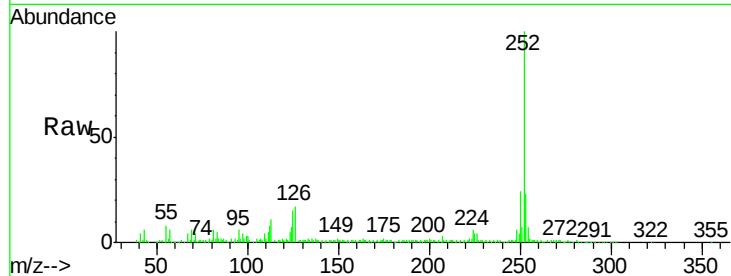
#87
Benzo(b)fluoranthene
Concen: 6.66 ng m
RT: 14.82 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Instrument :
BNA_F
ClientSampleId :
V001-BF017-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	15.2	8.3	12.5

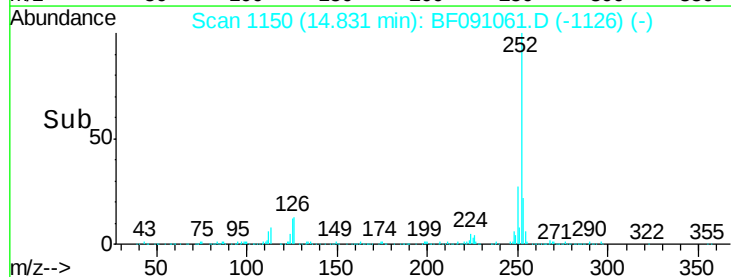
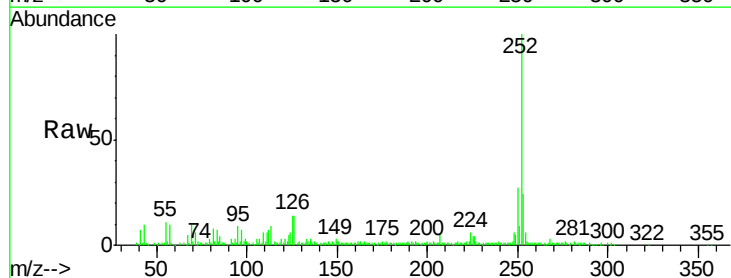
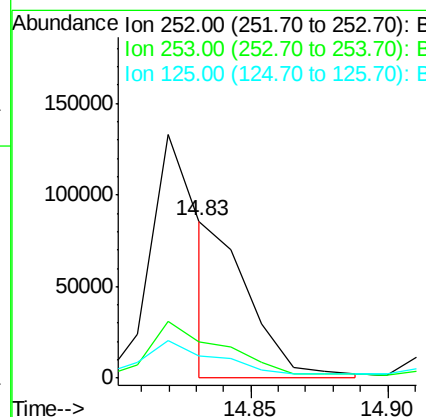
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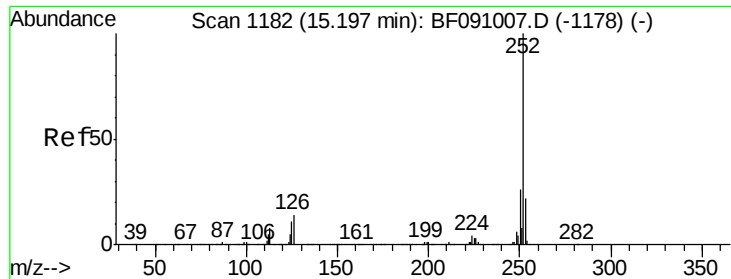
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#88
Benzo(k)fluoranthene
Concen: 3.49 ng m
RT: 14.83 min Scan# 1150
Delta R.T. -0.02 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.6	28.0
125	14.4	11.2	16.8





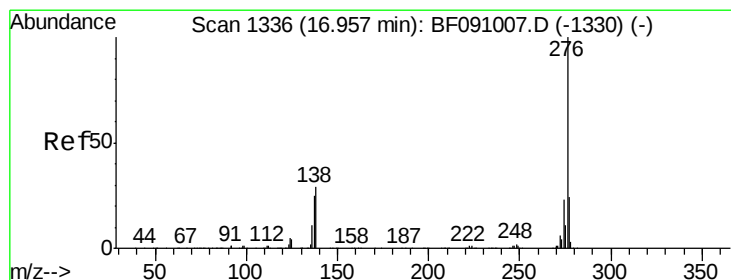
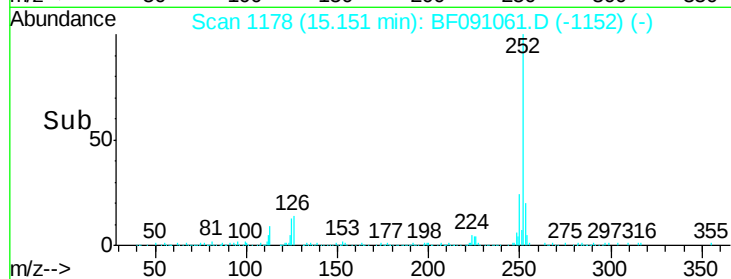
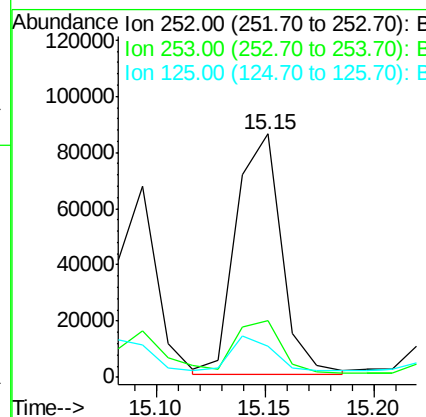
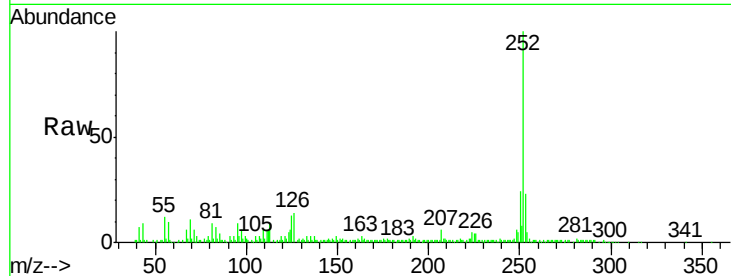
#89
Benzo(a)pyrene
Concen: 5.75 ng
RT: 15.15 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Instrument :
BNA_F
ClientSampleId :
V001-BF017-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	13.0	8.6	13.0

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.44 ng
RT: 16.88 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.2	28.8
138	28.3	23.3	34.9

