

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110116\
 Data File : BF090964.D
 Acq On : 1 Nov 2016 21:22
 Operator : UM/SJ
 Sample : H5463-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

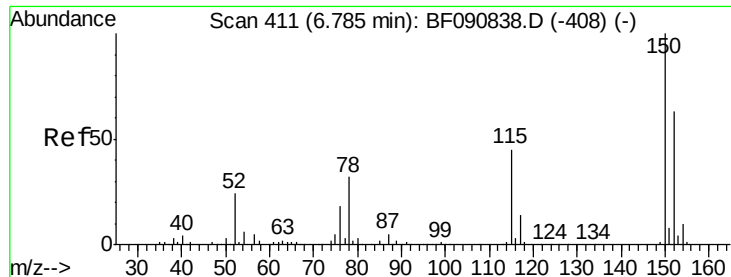
Manual Integrations
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 11/2/2016 5:42:06 PM

Quant Time: Nov 02 01:53:51 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	176163	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	761565	20.00	ng	-0.02
38) Acenaphthene-d10	9.78	164	407907	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	586752	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	372560	20.00	ng	-0.01
86) Perylene-d12	15.29	264	319653	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1198418	118.94	ng	0.00
7) Phenol-d6	6.38	99	1653160	121.62	ng	-0.01
23) Nitrobenzene-d5	7.30	82	1023552	87.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	338036	80.64	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1630262	70.18	ng	-0.01
78) Terphenyl-d14	12.84	244	1128559	76.32	ng	-0.01
Target Compounds						
10) Phenol	6.40	94	73590	4.91	ng	# 69
31) Naphthalene	8.04	128	81163	2.28	ng	99
49) Dimethylphthalate	9.49	163	321838	11.81	ng	# 97
70) Phenanthrene	11.28	178	243320	8.14	ng	96
74) Fluoranthene	12.47	202	348095	10.64	ng	95
77) Pyrene	12.69	202	289578	12.28	ng	97
80) Benzo(a)anthracene	13.88	228	138158m	6.99	ng	
82) Chrysene	13.92	228	126283m	6.31	ng	
85) Indeno(1,2,3-cd)pyrene	16.61	276	57777	3.26	ng	# 89
87) Benzo(b)fluoranthene	14.90	252	140219m	6.52	ng	
88) Benzo(k)fluoranthene	14.92	252	49609m	2.92	ng	
89) Benzo(a)pyrene	15.23	252	99399m	5.38	ng	
91) Benzo(a,h,i)perylene	17.01	276	50387	3.42	ng	# 83

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



#1

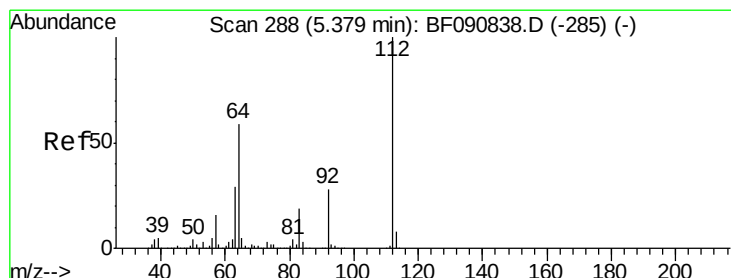
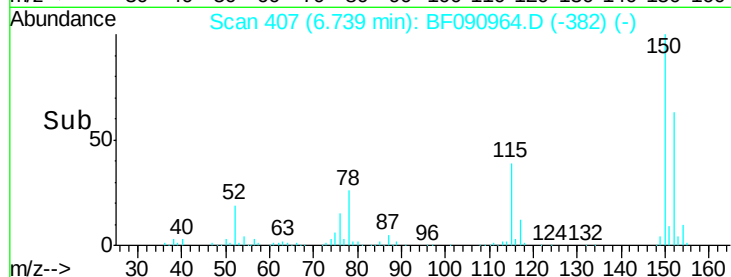
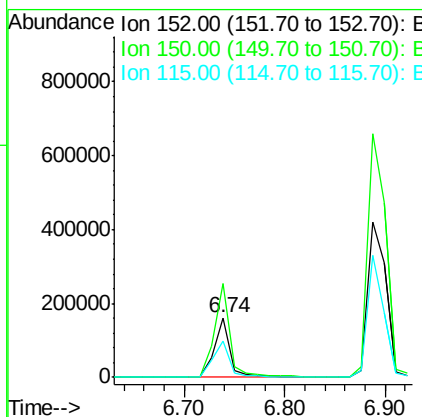
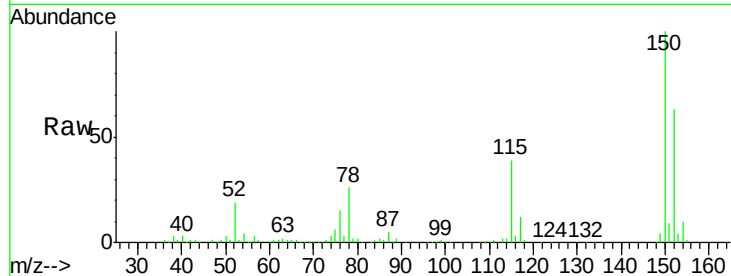
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.01 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.7	187.1
115	60.7	39.0	58.4

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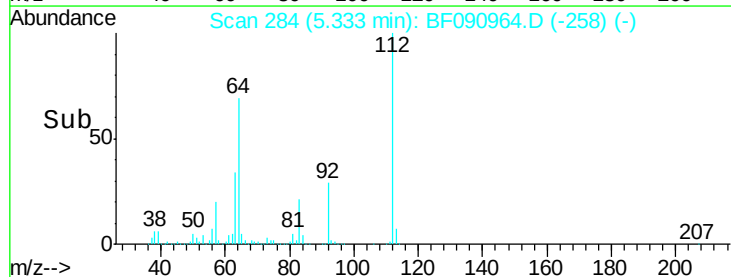
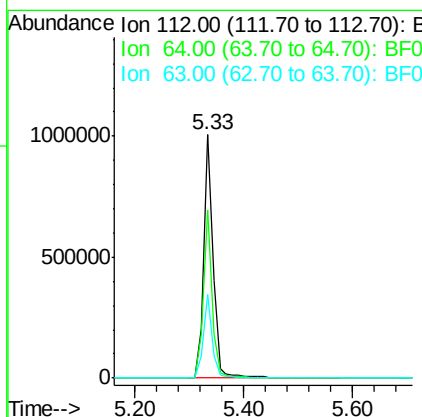
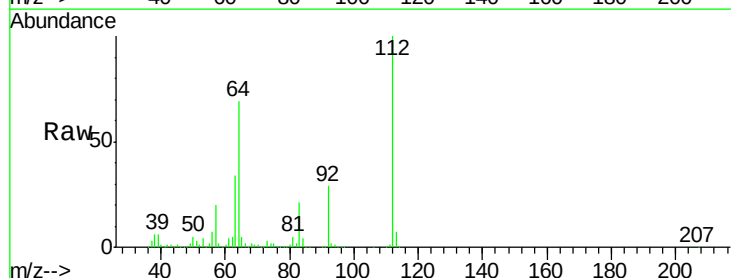
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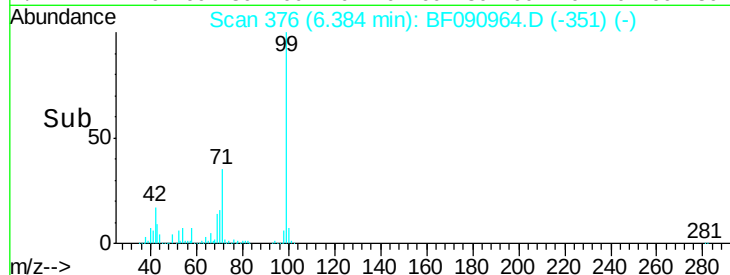
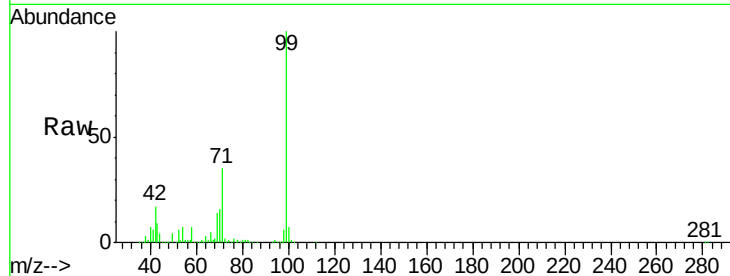
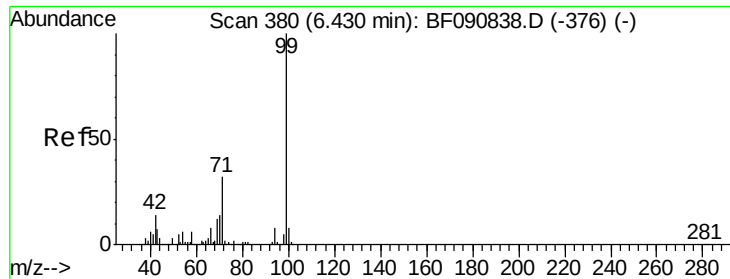


#5

2-Fluorophenol
Concen: 118.94 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.00 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.2	39.7	59.5
63	34.3	17.4	26.0





#7

Phenol-d6

Concen: 121.62 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

Tot Ion: 99 Resp: 1653160

Ion Ratio Lower Upper

99 100

42 17.2 13.7 20.5

71 35.1 14.2 21.2#

Instrument :

BNA_F

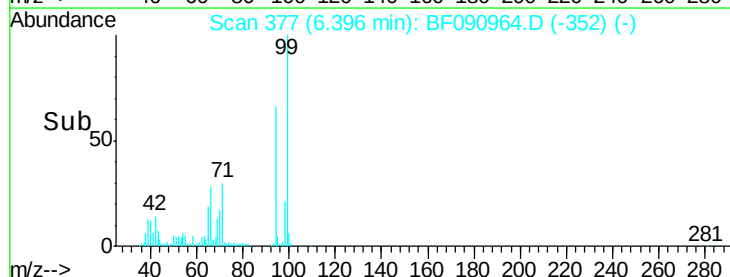
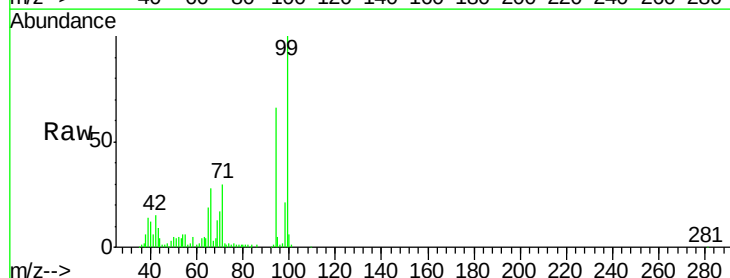
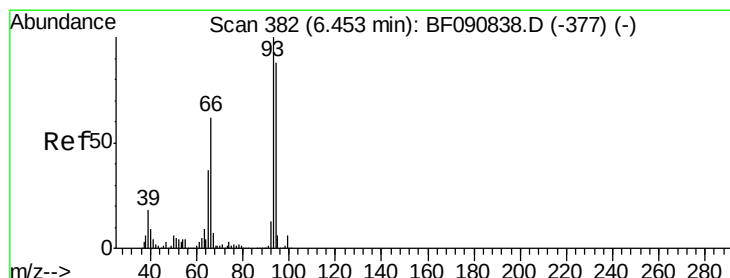
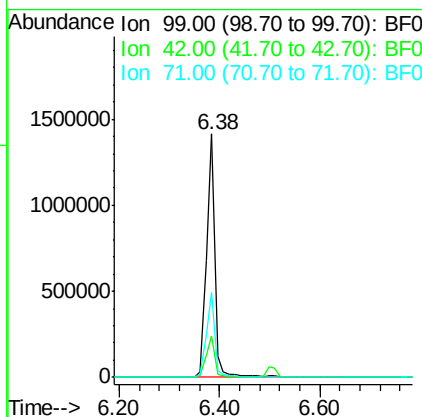
ClientSampleId :

SB-5(0-2)

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#10

Phenol

Concen: 4.91 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

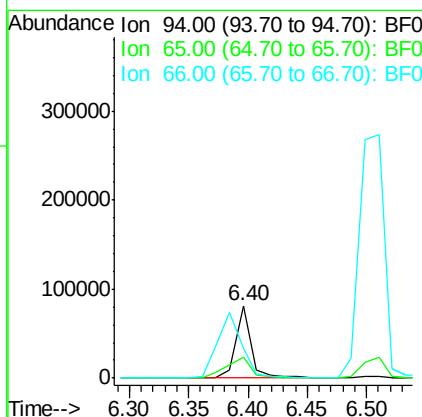
Tgt Ion: 94 Resp: 73590

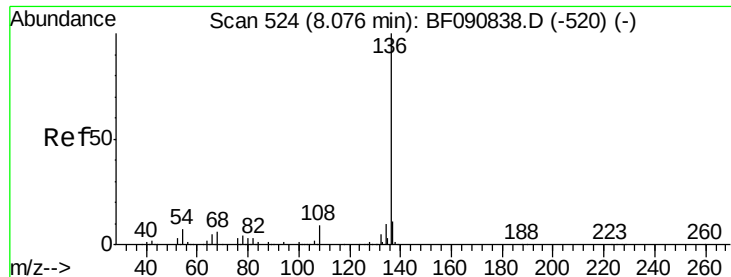
Ion Ratio Lower Upper

94 100

65 28.6 0.7 40.7

66 41.9 0.8 40.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.02 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

Instrument :

BNA_F

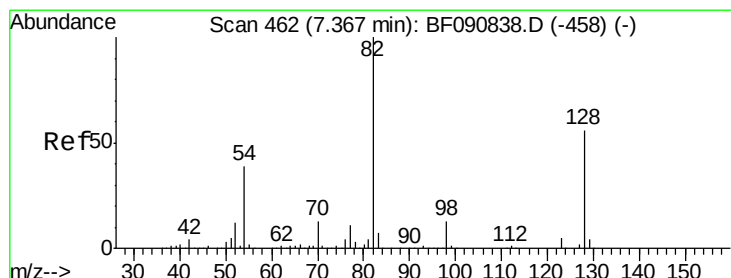
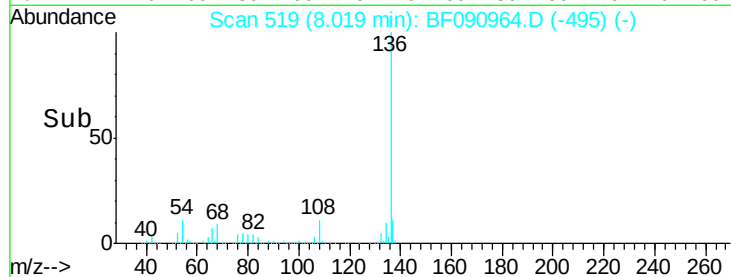
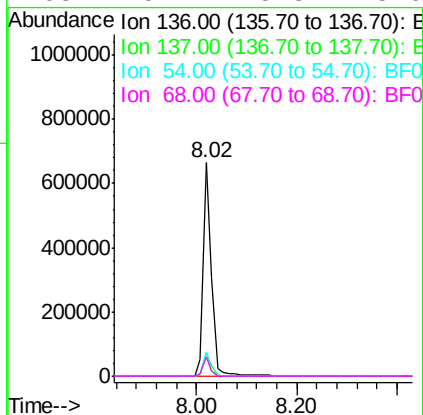
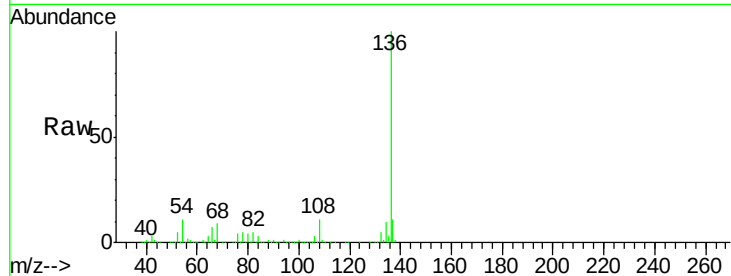
ClientSampled :

SB-5(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		761565		
137	11.1	9.0	13.6		
54	11.3	8.2	12.2		
68	9.2	5.8	8.6#		

Manual Integrations
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#23

Nitrobenzene-d5

Concen: 87.98 ng

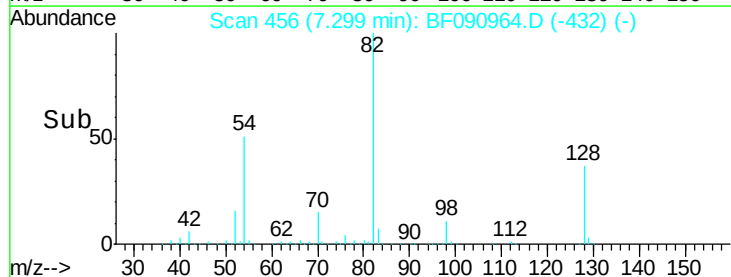
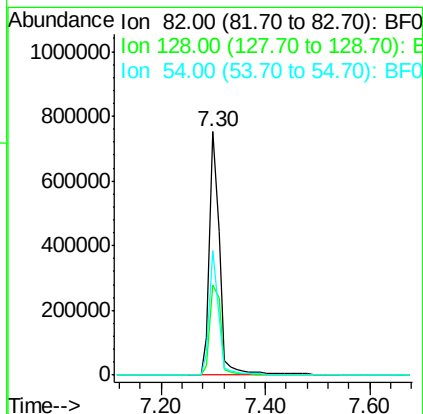
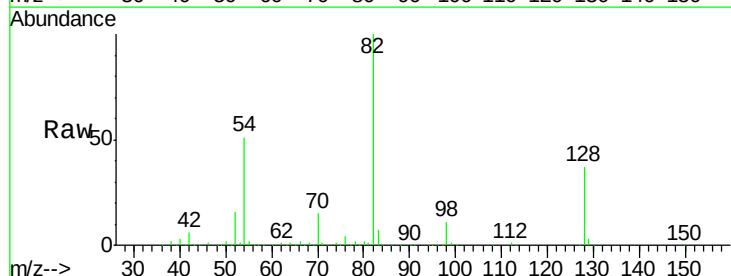
RT: 7.30 min Scan# 456

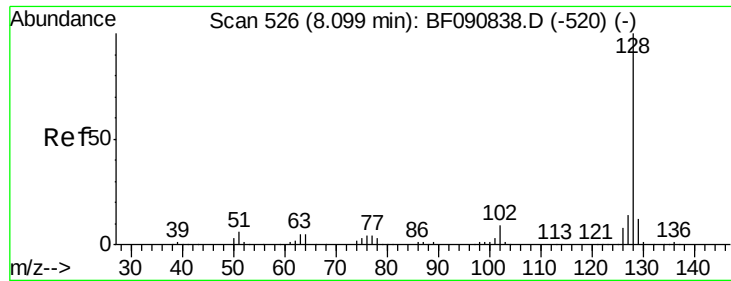
Delta R.T. -0.02 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		1023552		
128	37.0	51.0	76.6#		
54	51.4	47.5	71.3		





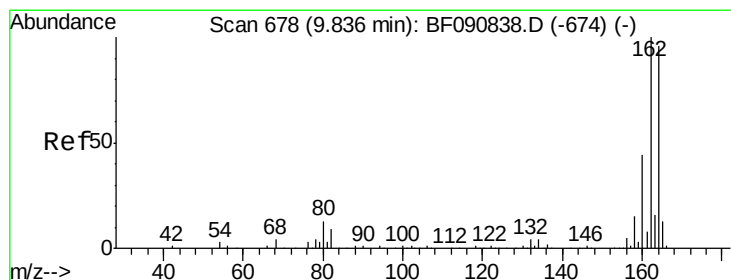
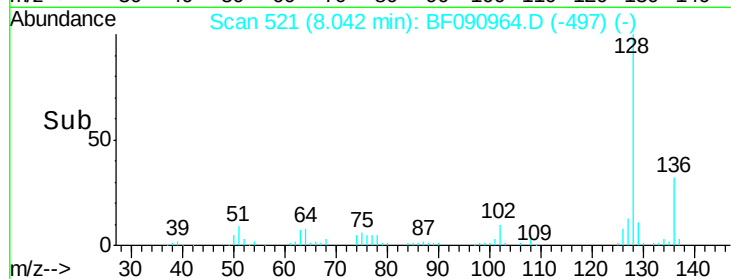
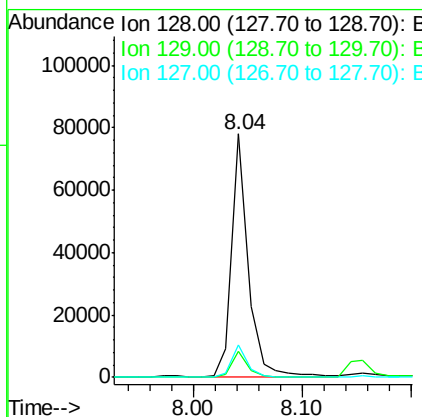
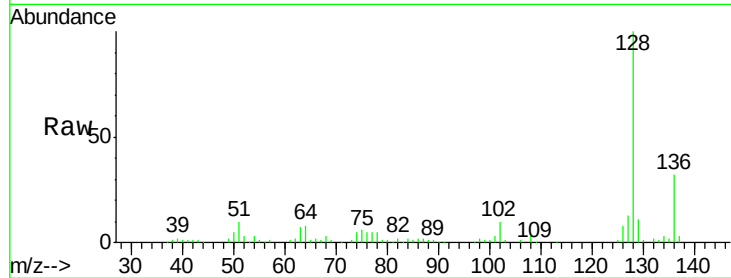
#31
Naphthalene
Concen: 2.28 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.4	12.6
127	13.1	9.9	14.9

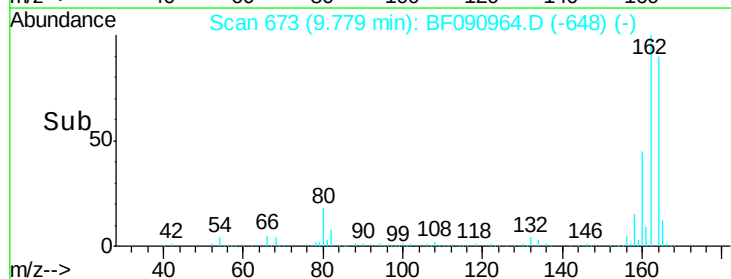
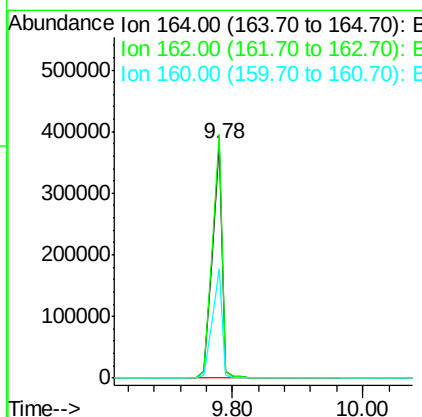
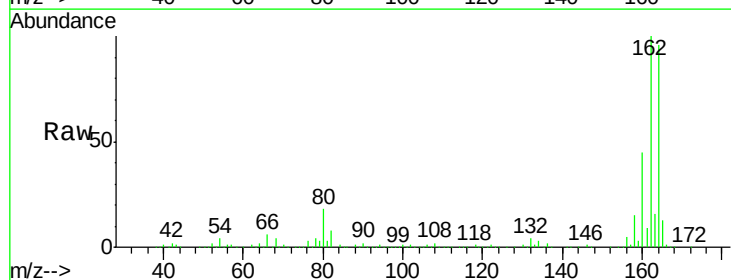
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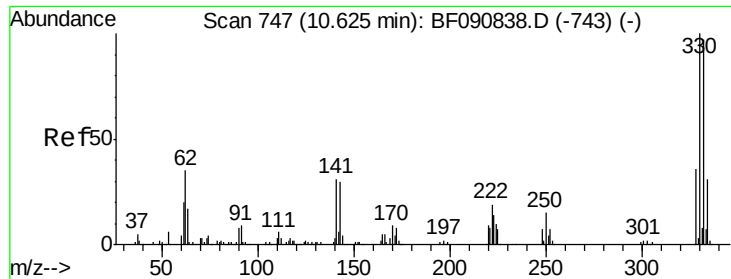
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	75.2	112.8
160	46.8	31.5	47.3





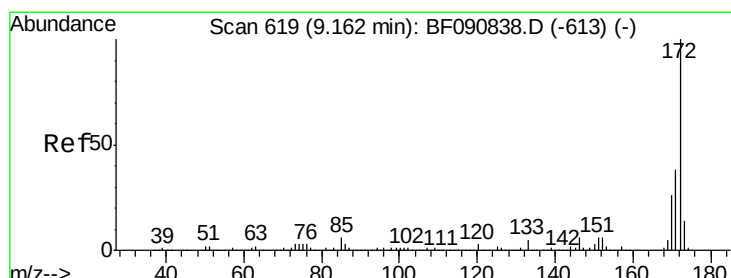
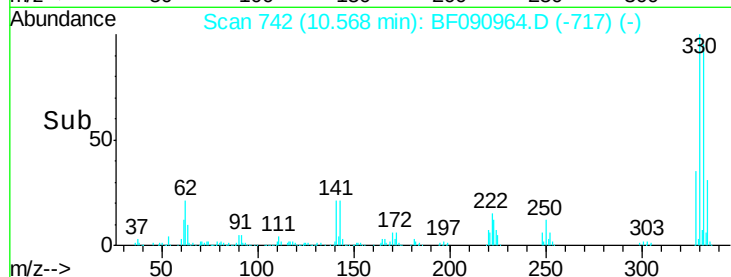
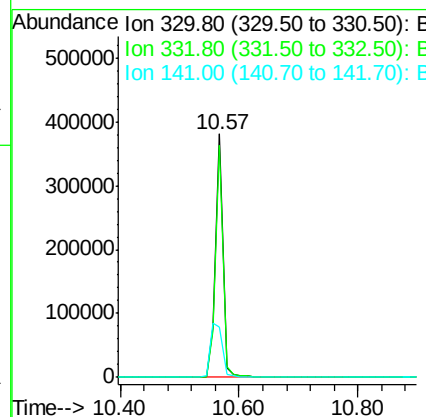
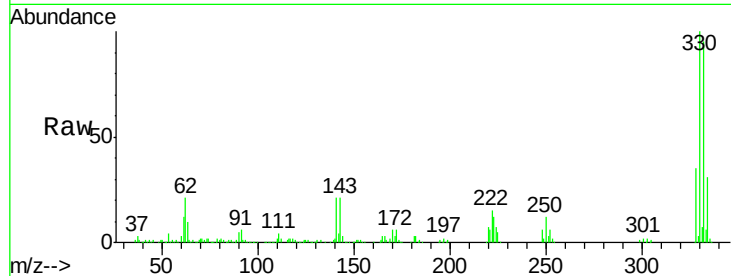
#41
 2,4,6-Tribromophenol
 Concen: 80.64 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF090964.D
 Acq: 1 Nov 2016 21:22

Instrument :
 BNA_F
 ClientSampled :
 SB-5(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	338036		
332	95.1	76.6	114.8	
141	35.4	29.7	44.5	

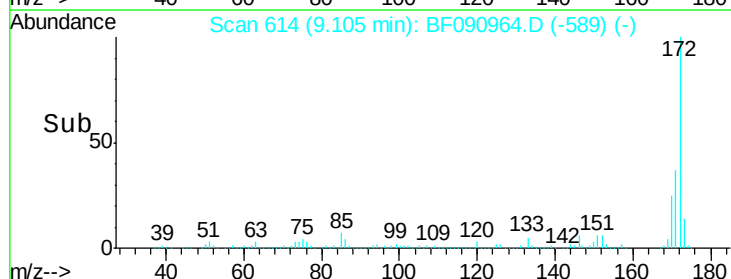
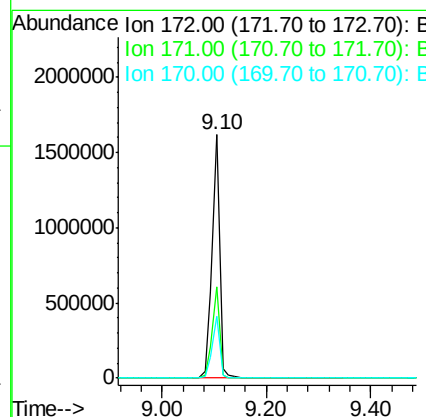
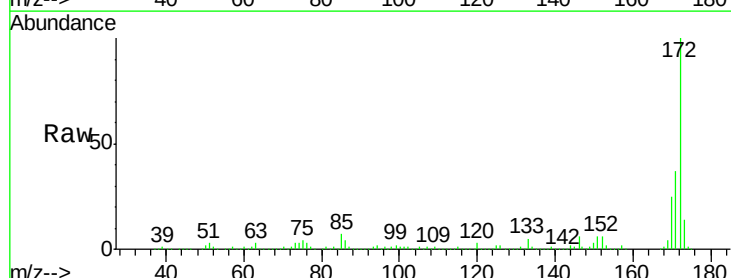
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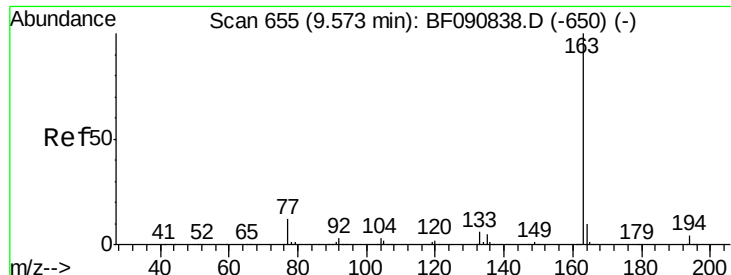
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#44
 2-Fluorobiphenyl
 Concen: 70.18 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF090964.D
 Acq: 1 Nov 2016 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1630262		
171	37.3	26.1	39.1	
170	25.3	17.4	26.2	





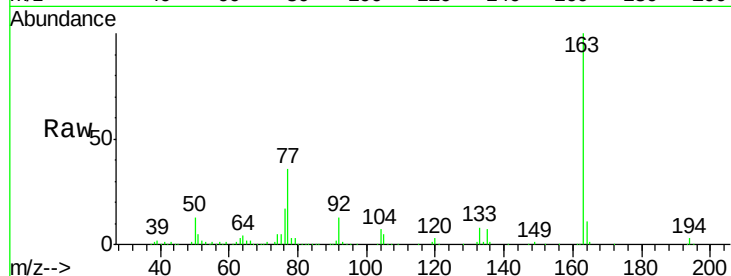
#49
Dimethylphthalate
Concen: 11.81 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	321838		
194	2.6		4.4	6.6#
164	10.6		8.3	12.5

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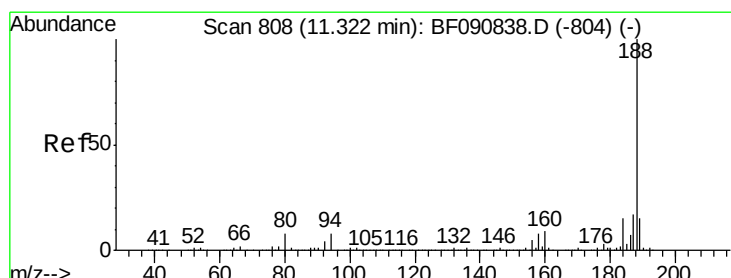
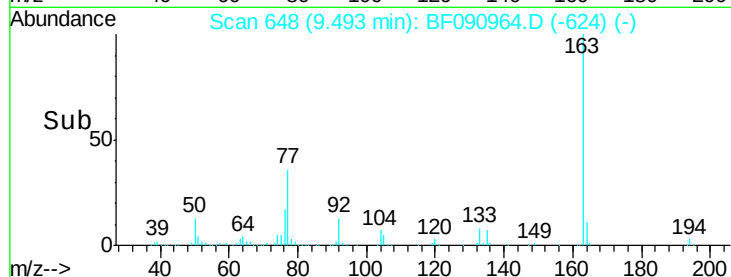
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

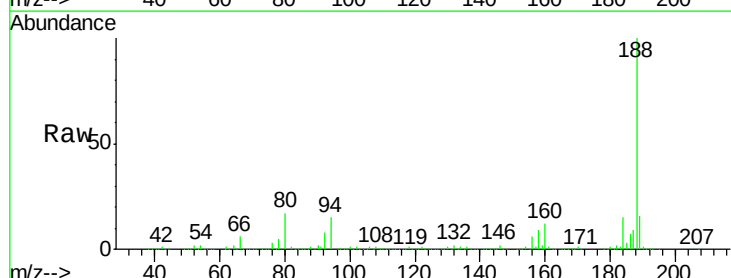
Ion 164.00 (163.70 to 164.70): E

Time-->



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	586752		
94	15.3		11.1	16.7
80	17.5		11.0	16.4#



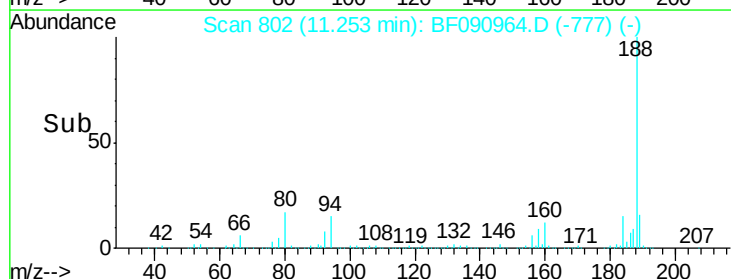
Abundance

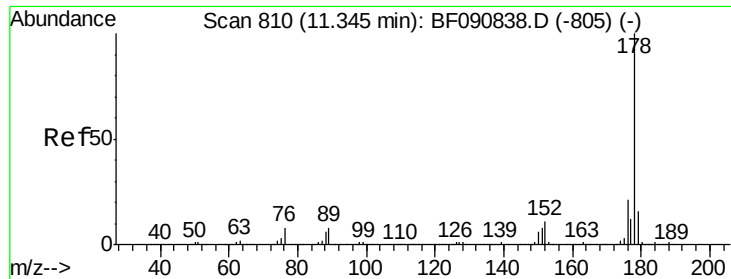
Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->





#70

Phenanthrene

Concen: 8.14 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

Instrument :

BNA_F

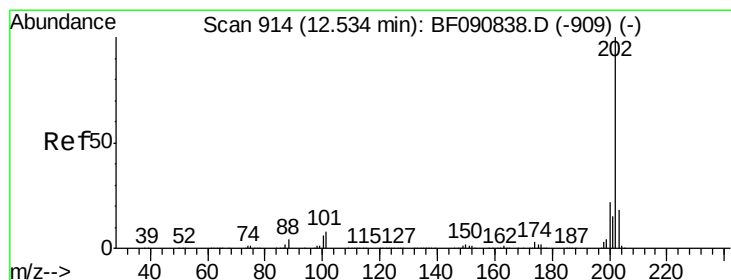
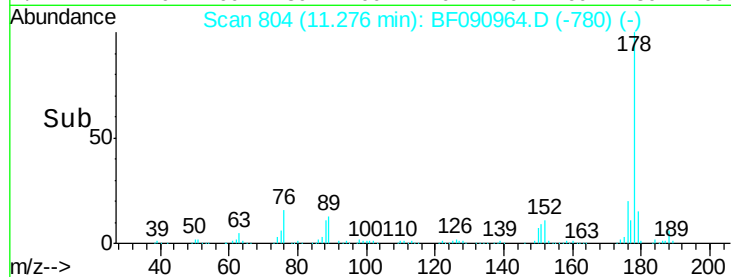
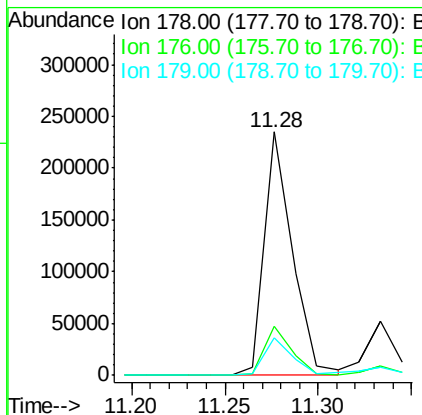
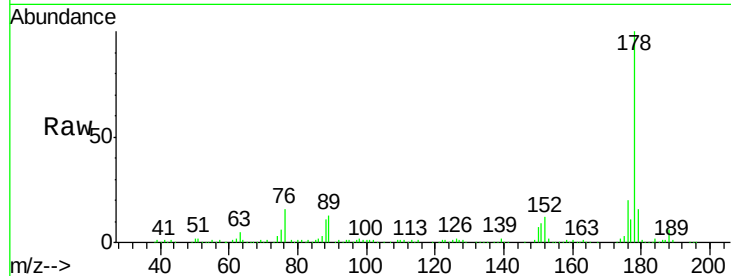
ClientSampleId :

SB-5(0-2)

Tot Ion:	178	Resp:	243320
Ion Ratio	Lower	Upper	
178	100		
176	20.0	13.8	20.8
179	15.5	12.2	18.2

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#74

Fluoranthene

Concen: 10.64 ng

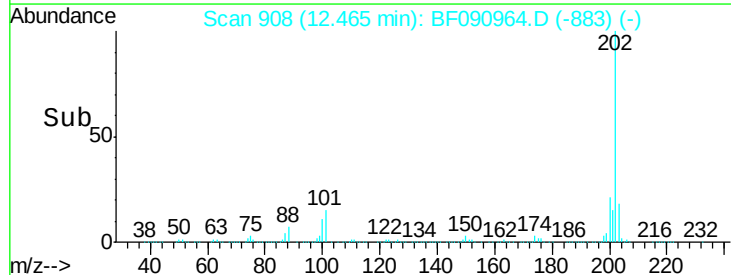
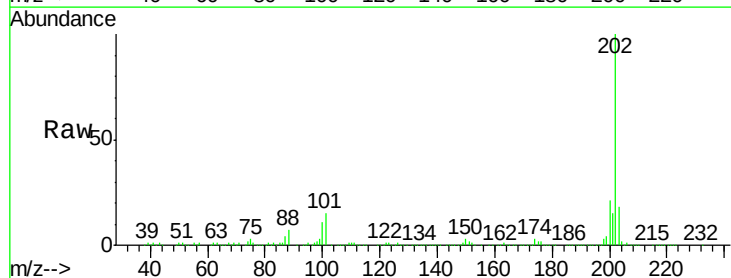
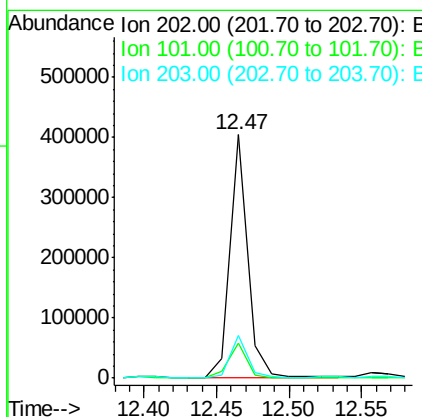
RT: 12.47 min Scan# 908

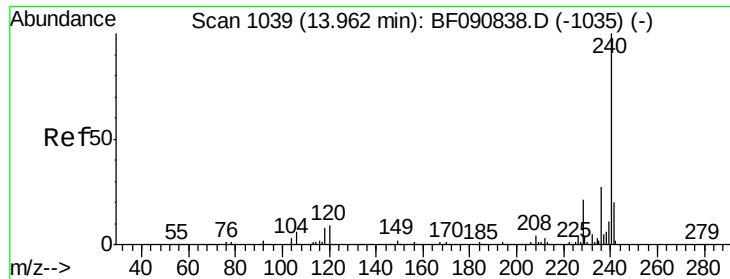
Delta R.T. -0.01 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

Tgt Ion:	202	Resp:	348095
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	38.3
203	17.8	0.0	37.3





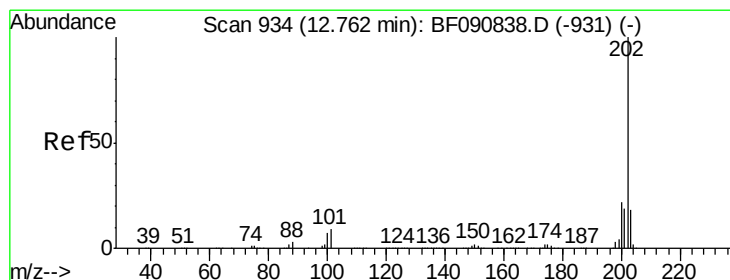
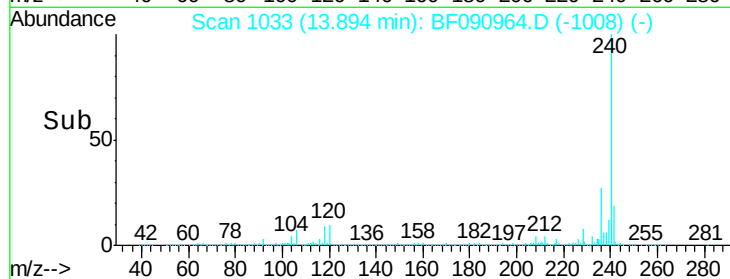
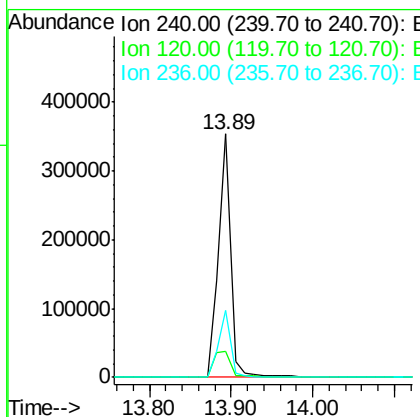
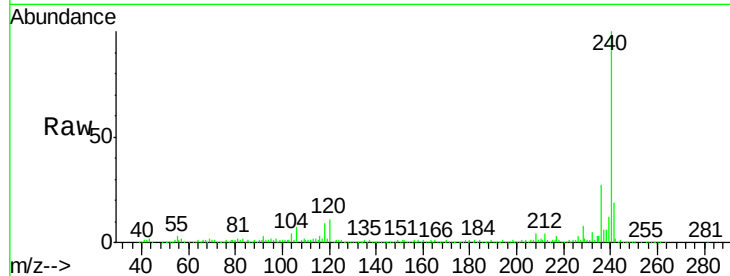
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF090964.D
 Acq: 1 Nov 2016 21:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	16.2	24.2#
236	27.4	18.4	27.6

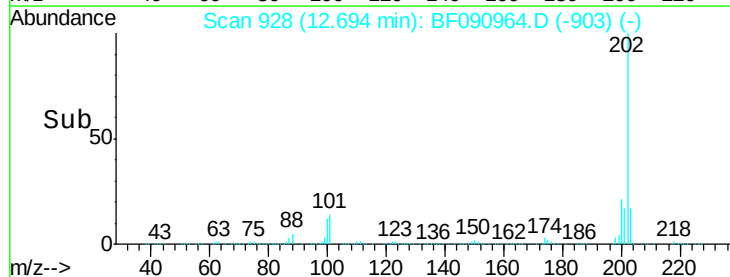
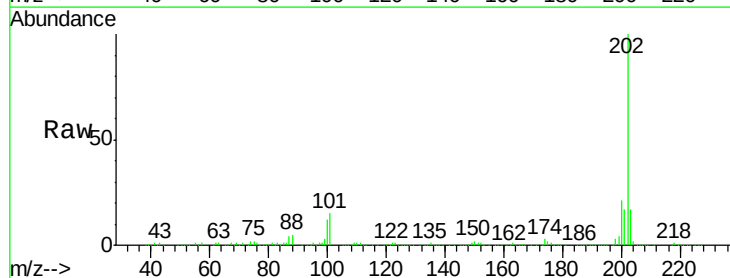
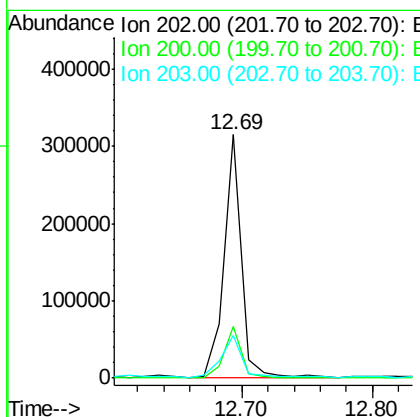
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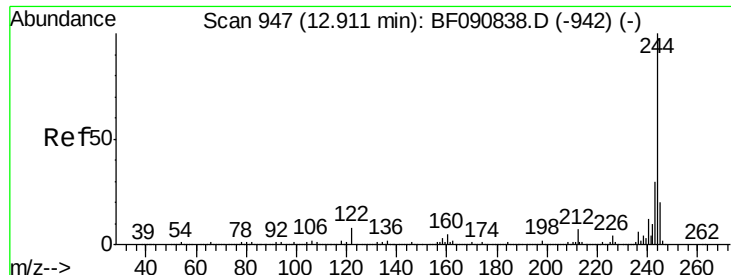
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#77
 Pyrene
 Concen: 12.28 ng
 RT: 12.69 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: BF090964.D
 Acq: 1 Nov 2016 21:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	15.0	22.4
203	17.4	14.1	21.1





#78

Terphenyl-d14

Concen: 76.32 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

Instrument :

BNA_F

ClientSampleId :

SB-5(0-2)

Tot Ion:244 Resp: 1128559

Ion Ratio Lower Upper

244 100

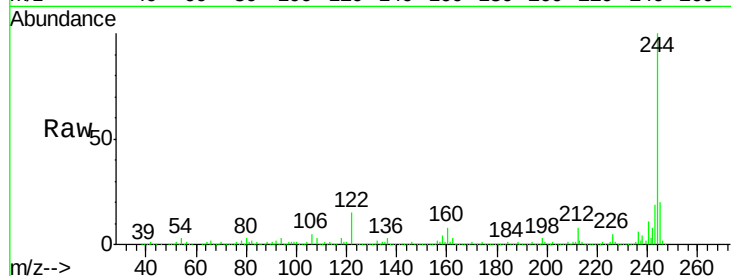
212 7.7 4.3 6.5#

122 14.9 17.4 26.2#

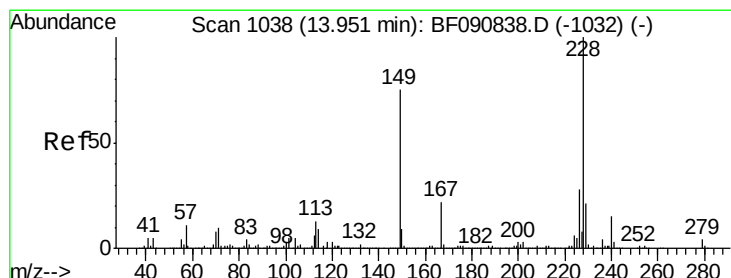
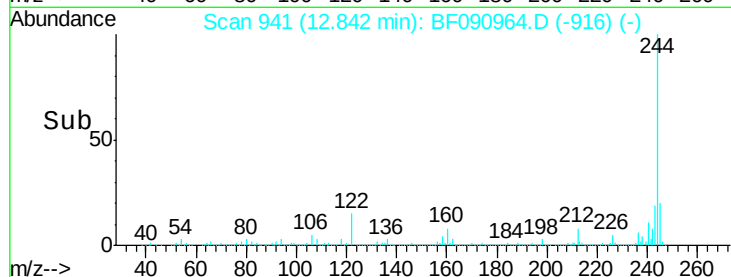
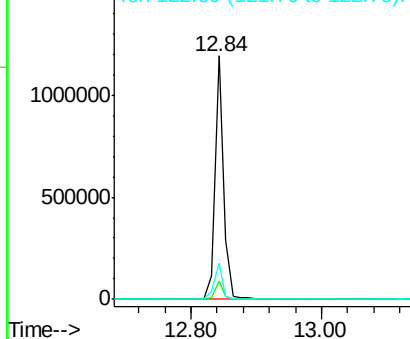
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 6.99 ng m

RT: 13.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

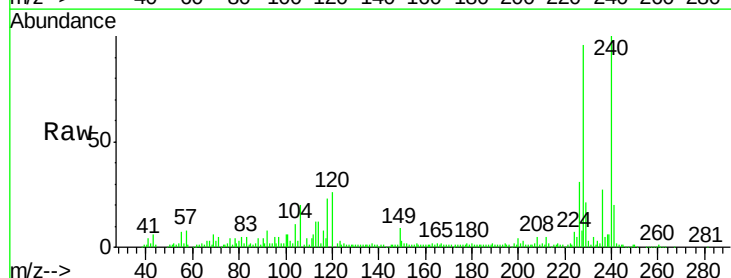
Tgt Ion:228 Resp: 138158

Ion Ratio Lower Upper

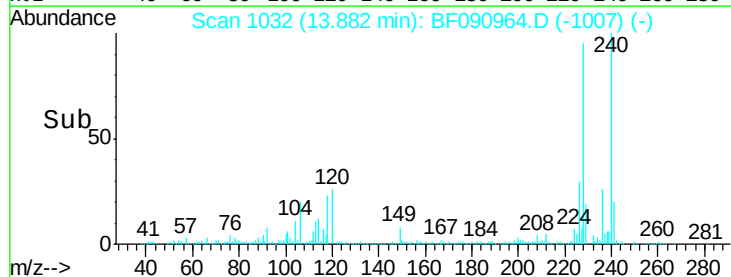
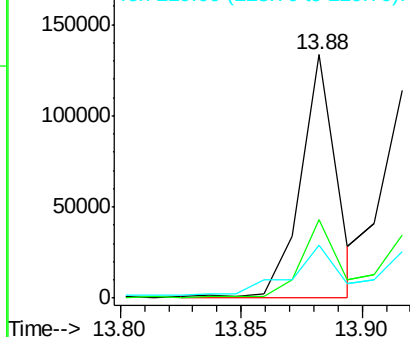
228 100

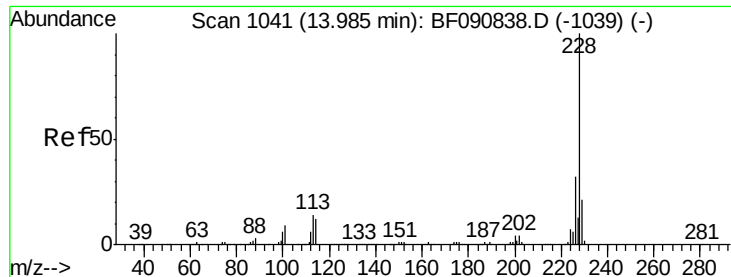
226 32.4 20.0 30.0#

229 21.6 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





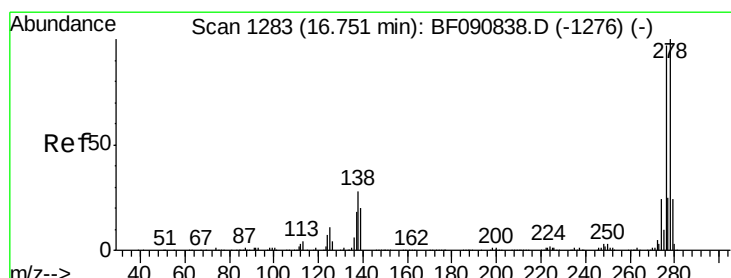
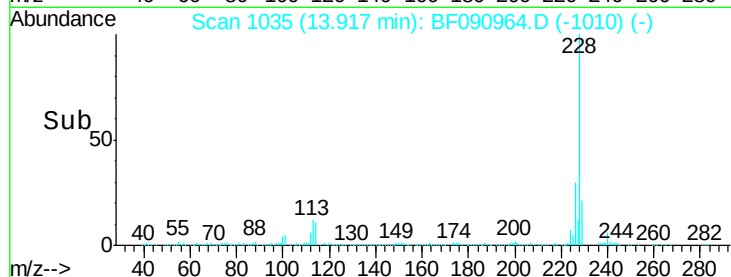
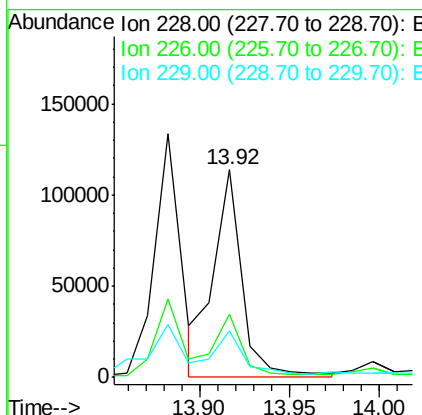
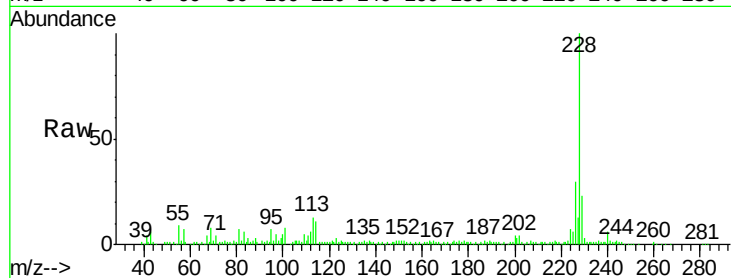
#82
Chrysene
Concen: 6.31 ng/ml
RT: 13.92 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Instrument :
BNA_F
ClientSampled :
SB-5(0-2)

Tot Ion:	228	Resp:	126283
Ion Ratio	Lower	Upper	
228	100		
226	30.5	21.0	31.4
229	22.7	15.6	23.4

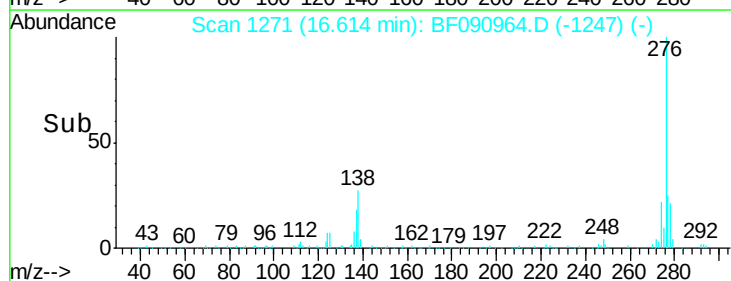
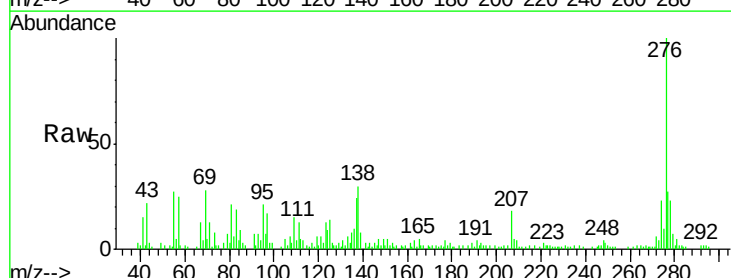
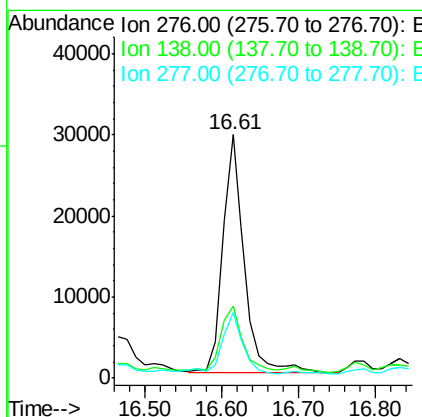
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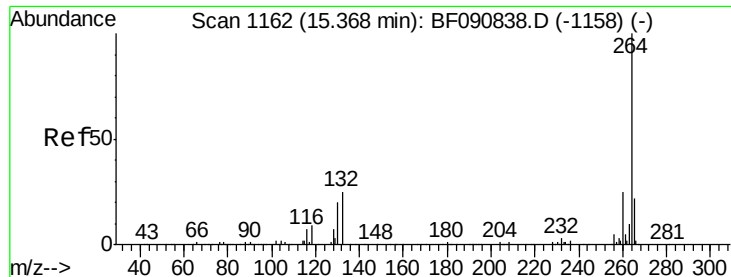
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.26 ng
RT: 16.61 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Tgt Ion:	276	Resp:	57777
Ion Ratio	Lower	Upper	
276	100		
138	26.4	25.7	38.5
277	24.8	15.6	23.4





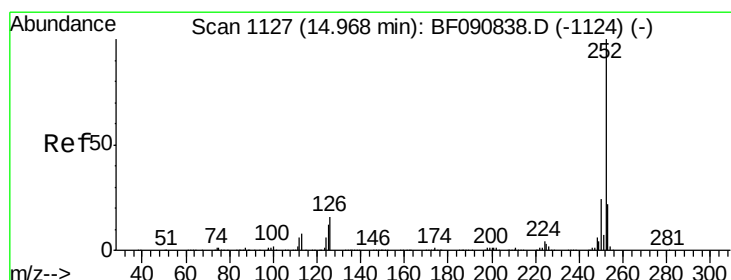
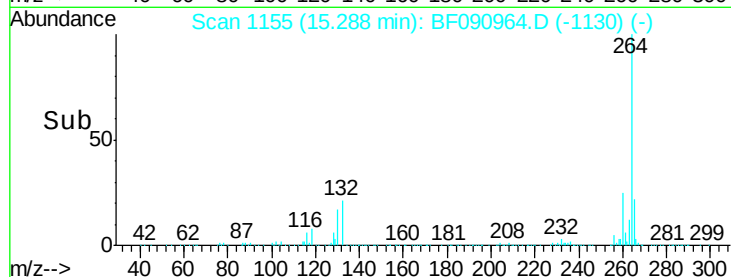
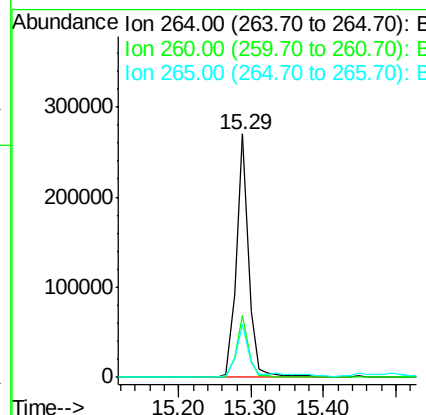
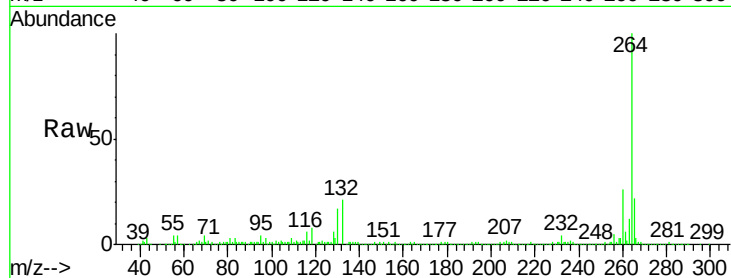
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	16.7	25.1#
265	21.7	17.2	25.8

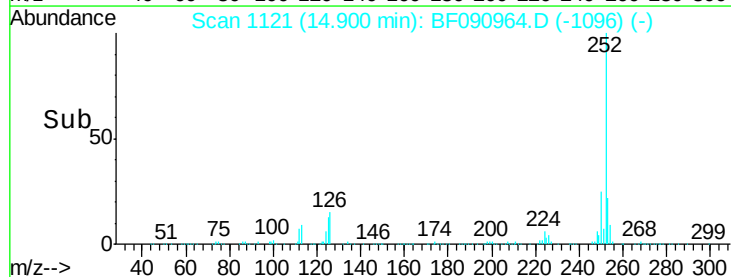
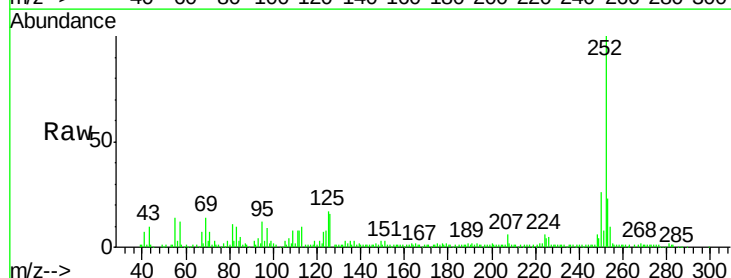
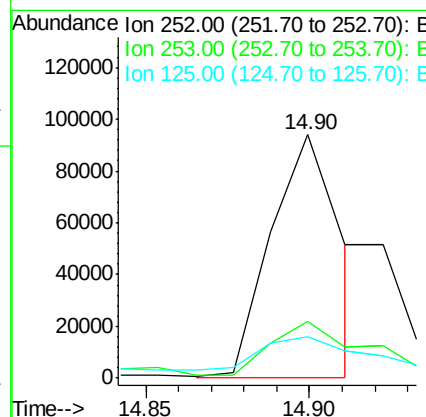
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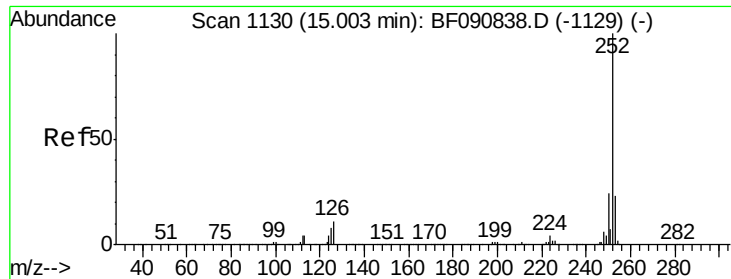
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#87
Benzo(b)fluoranthene
Concen: 6.52 ng m
RT: 14.90 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	17.0	17.1	25.7#





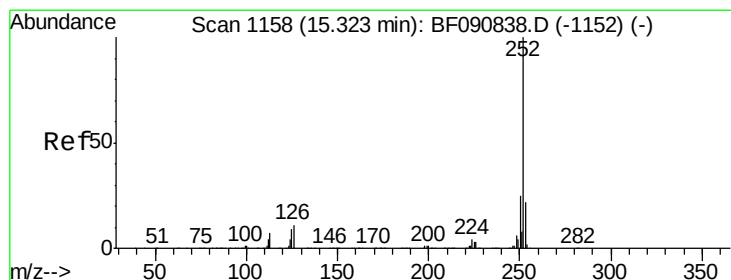
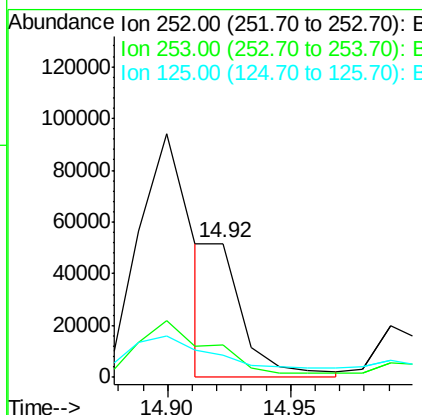
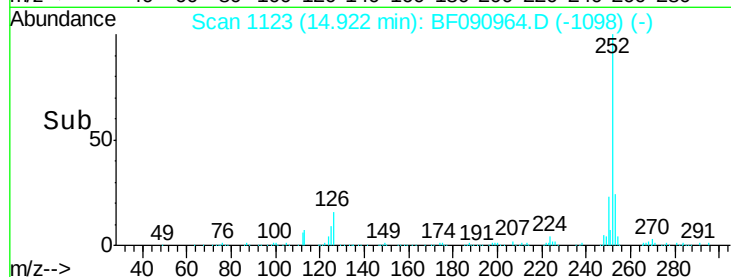
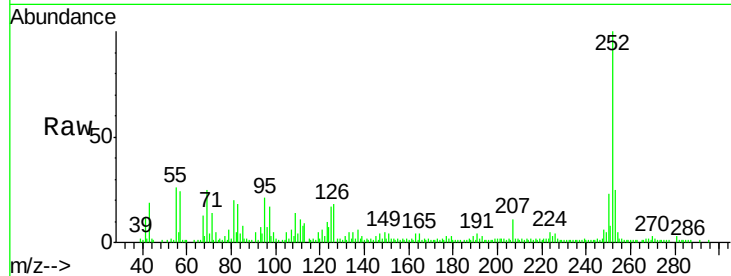
#88
Benzo(k)fluoranthene
Concen: 2.92 ng m
RT: 14.92 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Instrument :
BNA_F
ClientSampled :
SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.4
125	16.5	16.0	24.0

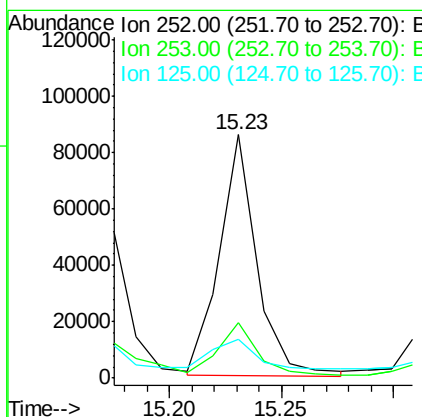
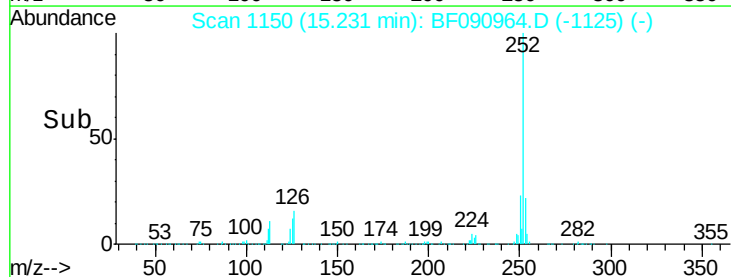
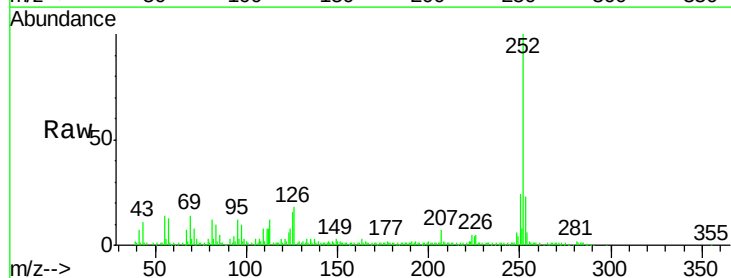
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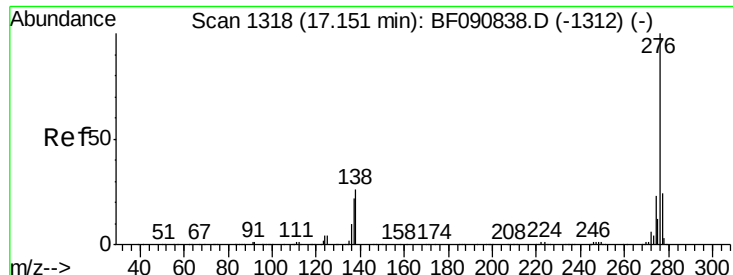
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#89
Benzo(a)pyrene
Concen: 5.38 ng m
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	16.0	18.0	27.0#





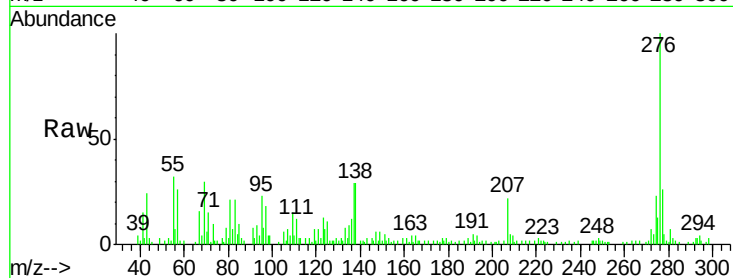
#91
Benzo(a,h,i)perylene
Concen: 3.42 ng
RT: 17.01 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.8	26.6
138	29.4	34.6	51.8

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

