

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102516\
 Data File : BF090826.D
 Acq On : 25 Oct 2016 23:50
 Operator : UM/SJ
 Sample : H5394-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-CENTER

Manual Integrations
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Quant Time: Oct 26 01:29:00 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 25 18:56:36 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	170645	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	700761	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	360135	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	594330	20.00	ng	0.00
75) Chrysene-d12	13.96	240	373331	20.00	ng	0.00
86) Perylene-d12	15.38	264	327607	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1355080	128.07	ng	0.01
7) Phenol-d6	6.44	99	1533871	107.02	ng	0.00
23) Nitrobenzene-d5	7.37	82	979496	76.66	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	467605	164.05	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1757508	75.76	ng	-0.01
78) Terphenyl-d14	12.91	244	1543679	94.77	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.56	163	588916	26.02	ng	Qvalue # 98
70) Phenanthrene	11.34	178	166876	5.51	ng	97
74) Fluoranthene	12.53	202	377634	12.89	ng	94
77) Pyrene	12.76	202	303360	11.63	ng	97
80) Benzo(a)anthracene	13.95	228	119029m	5.83	ng	
82) Chrysene	13.99	228	131889m	6.61	ng	
85) Indeno(1,2,3-cd)pyrene	16.75	276	74853	4.30	ng	# 87
87) Benzo(b)fluoranthene	14.98	252	149592m	7.43	ng	
88) Benzo(k)fluoranthene	15.00	252	62254m	3.08	ng	
89) Benzo(a)pyrene	15.32	252	108937	5.76	ng	# 86
91) Benzo(g,h,i)perylene	17.15	276	65252	3.71	ng	# 79

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

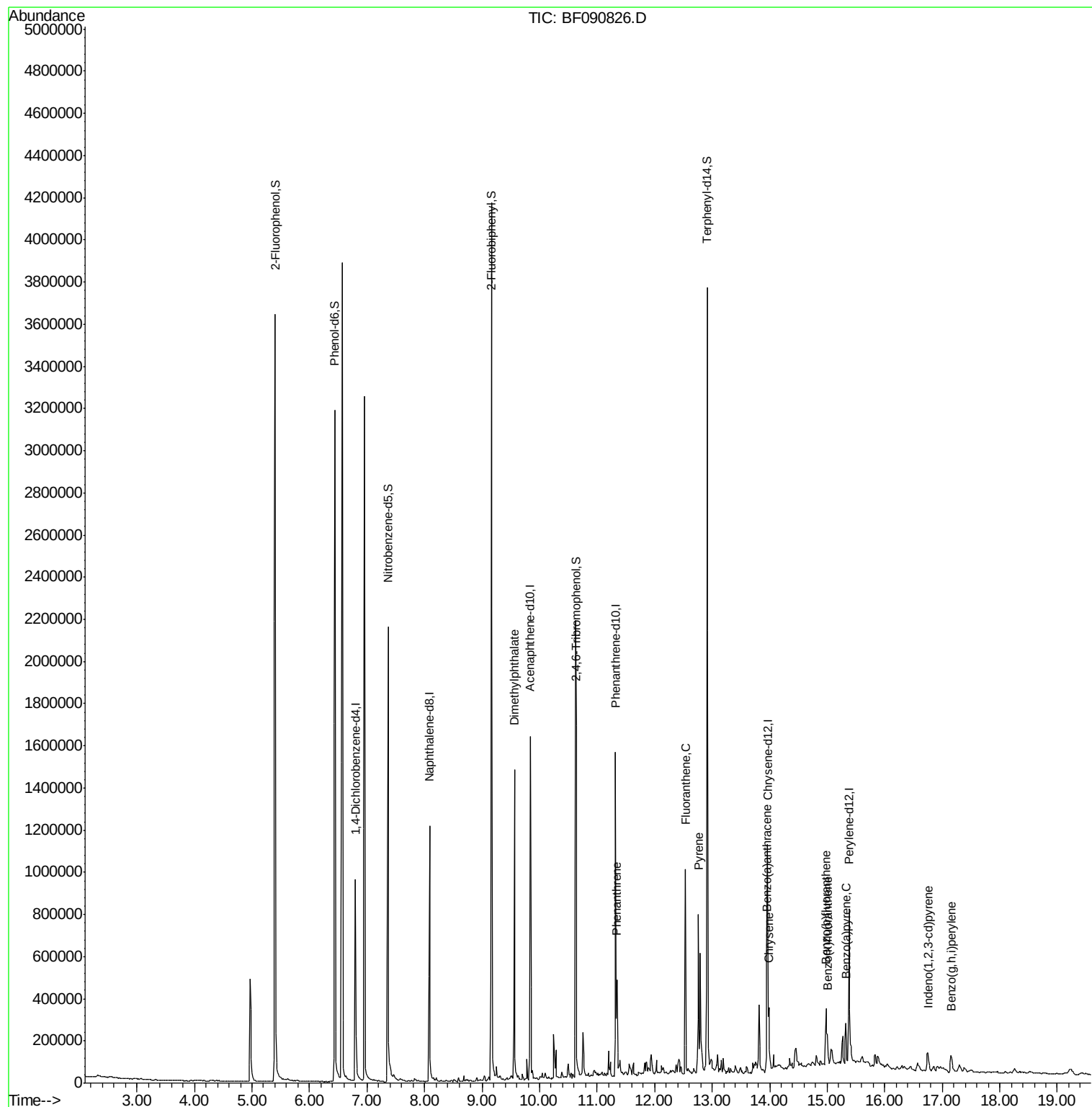
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102516\
Data File : BF090826.D
Acq On : 25 Oct 2016 23:50
Operator : UM/SJ
Sample : H5394-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

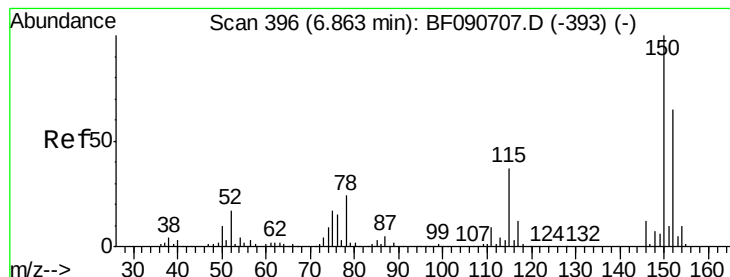
Instrument :
BNA_F
ClientSampleId :
BOTTOM-CENTER

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Quant Time: Oct 26 01:29:00 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102116.M
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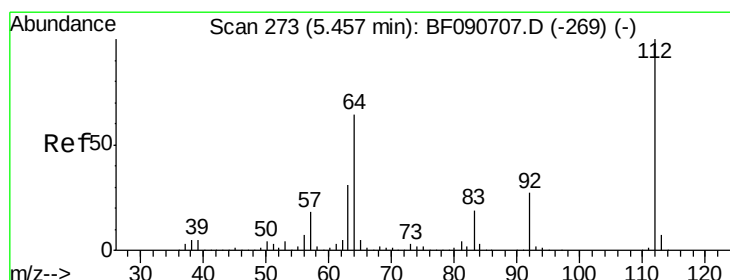
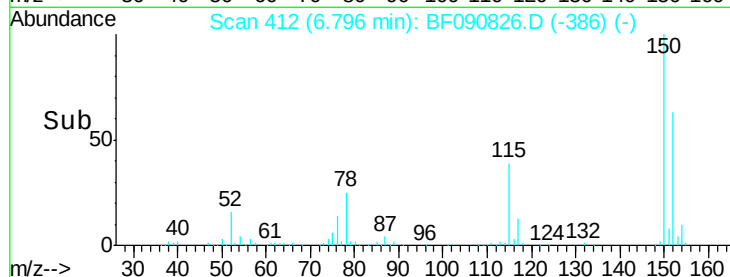
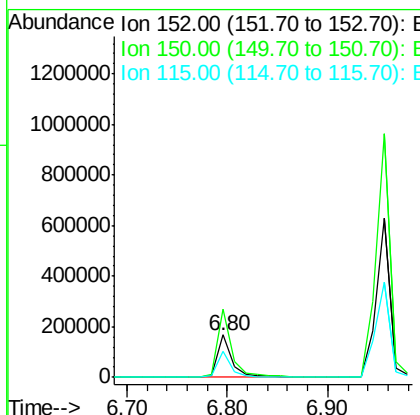
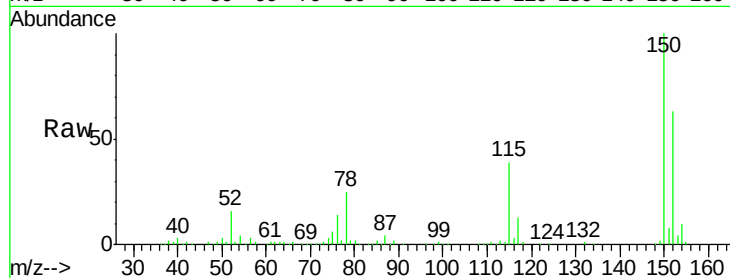
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 412
 Delta R.T. -0.00 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-CENTER

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.7	187.1
115	62.1	39.0	58.4

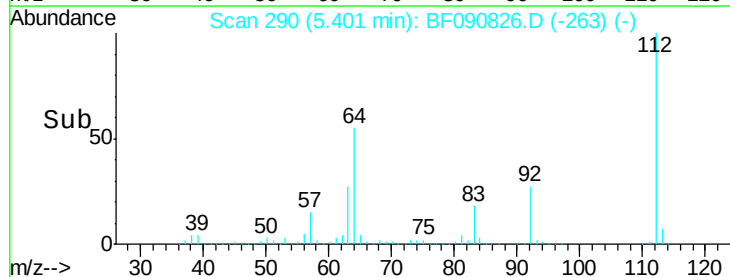
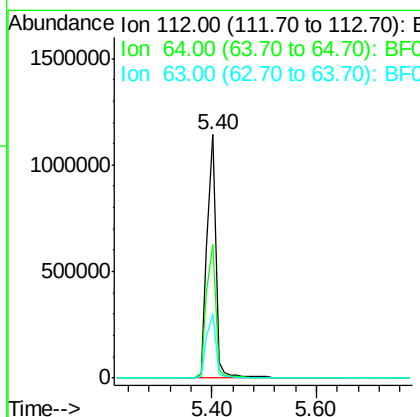
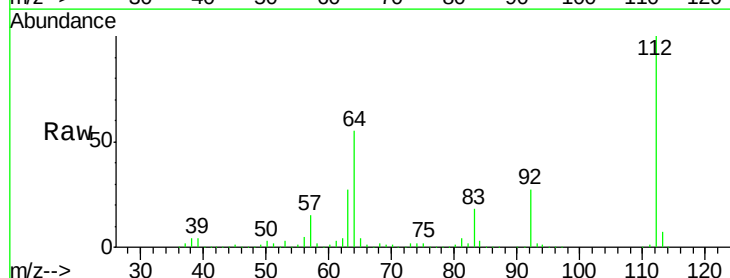
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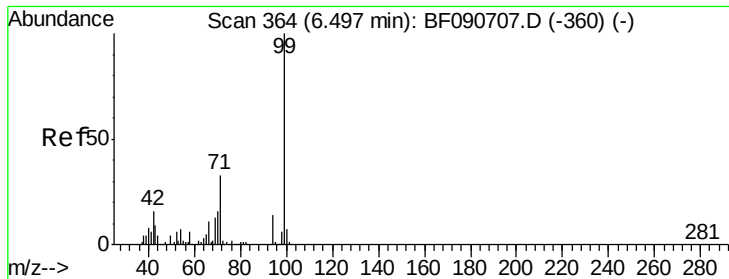
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#5
 2-Fluorophenol
 Concen: 128.07 ng
 RT: 5.40 min Scan# 290
 Delta R.T. 0.01 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	39.7	59.5
63	26.6	17.4	26.0





#7

Phenol-d6

Concen: 107.02 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM-CENTER

Tot Ion: 99 Resp: 1533871

Ion Ratio Lower Upper

99 100

42 13.3 13.7 20.5#

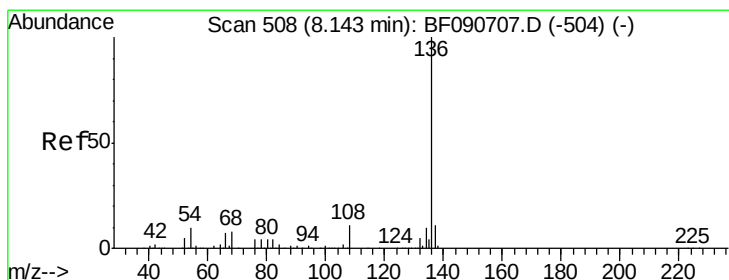
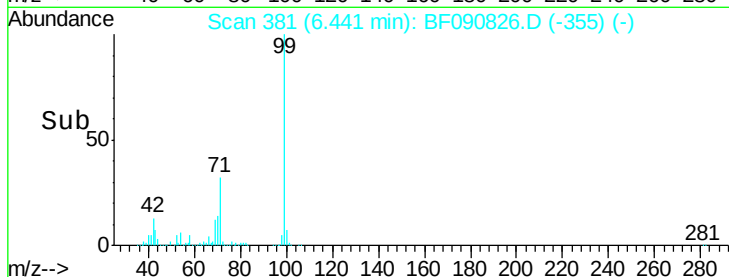
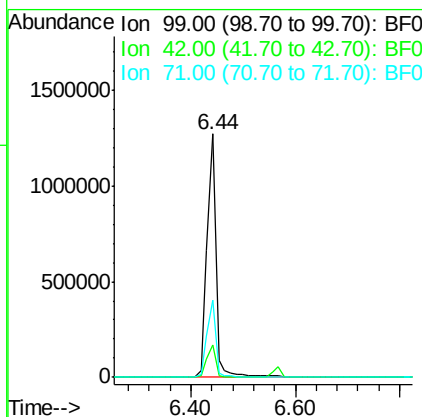
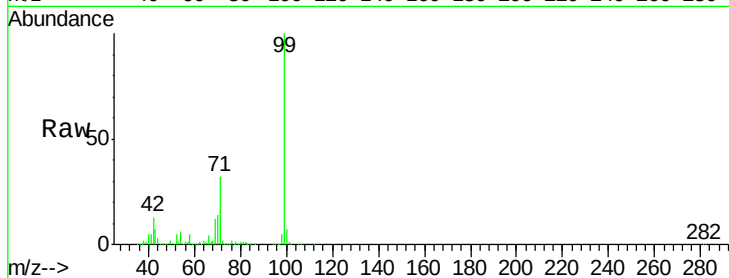
71 31.5 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

Tgt Ion: 136 Resp: 700761

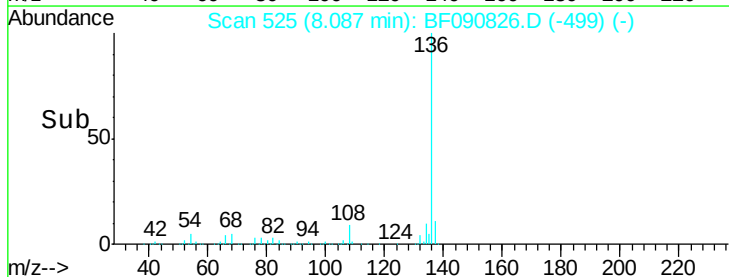
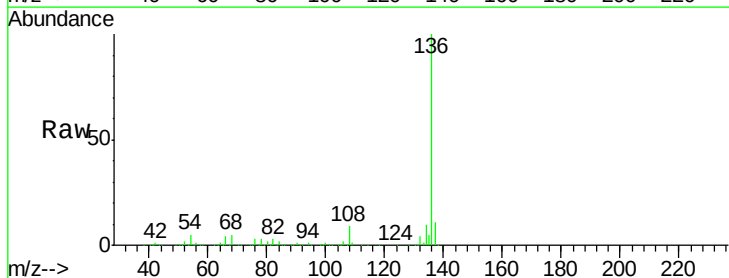
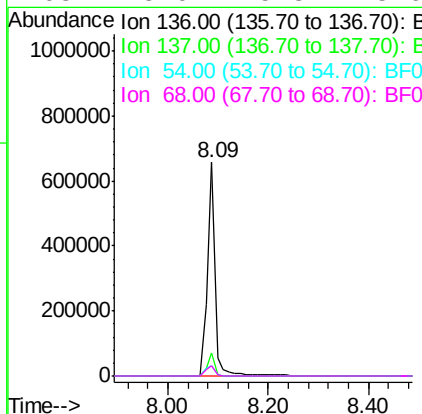
Ion Ratio Lower Upper

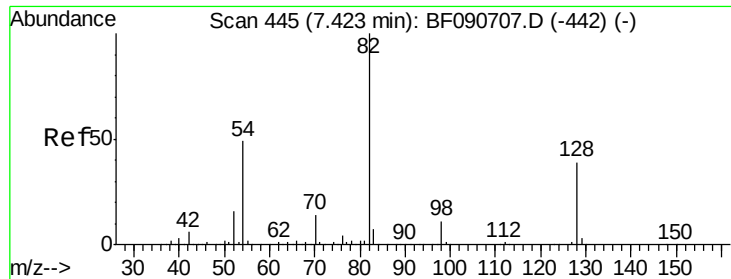
136 100

137 10.8 9.0 13.6

54 5.0 8.2 12.2#

68 5.0 5.8 8.6#





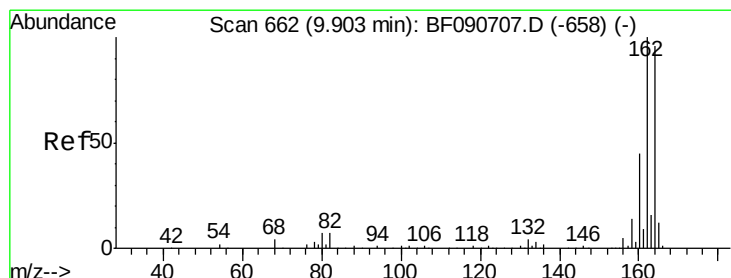
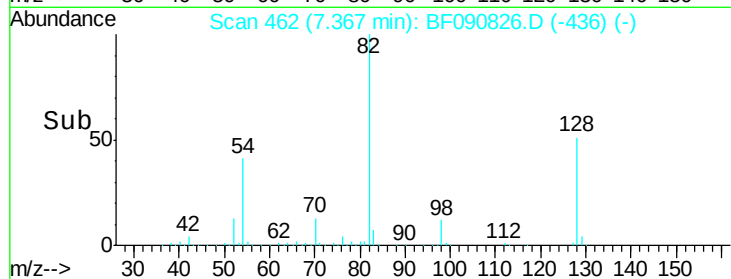
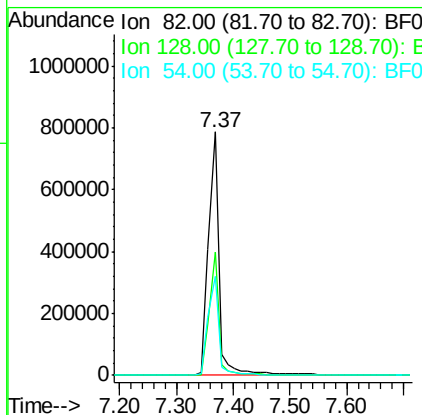
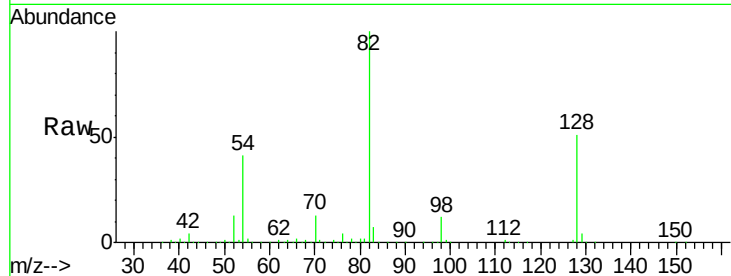
#23
 Nitrobenzene-d5
 Concen: 76.66 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-CENTER

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.8	51.0	76.6#
54	40.6	47.5	71.3#

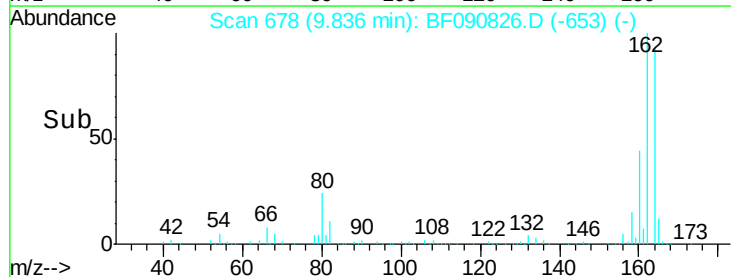
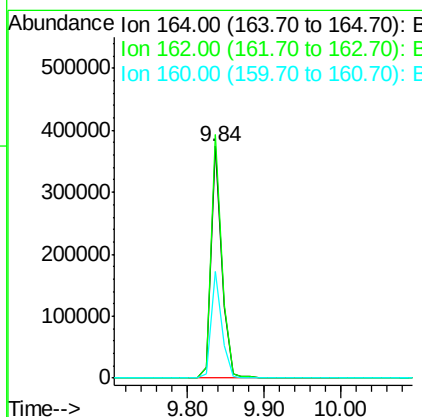
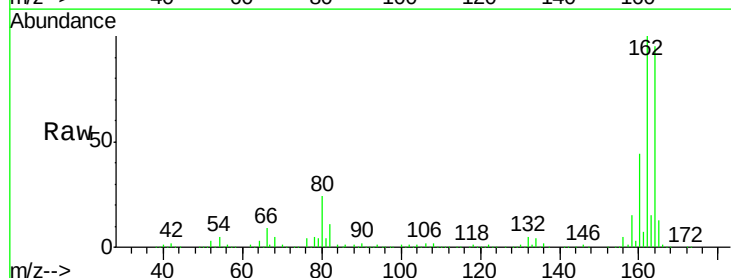
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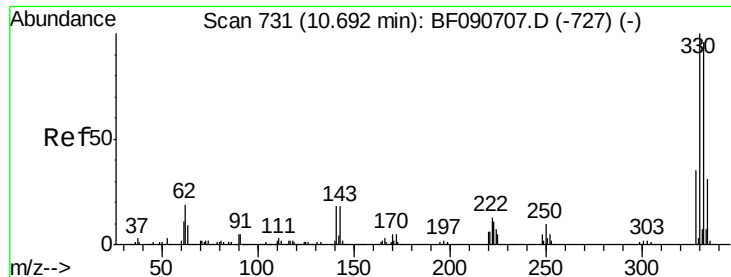
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	75.2	112.8
160	46.0	31.5	47.3





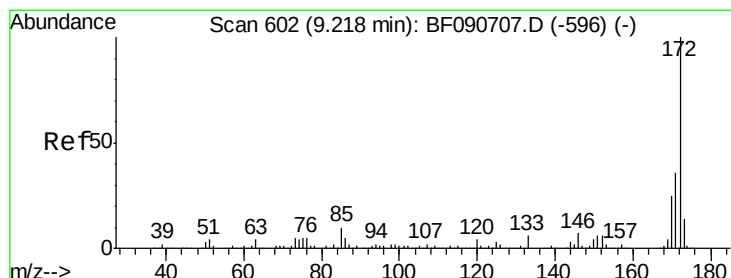
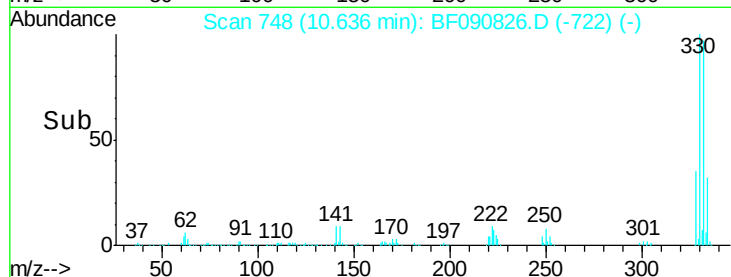
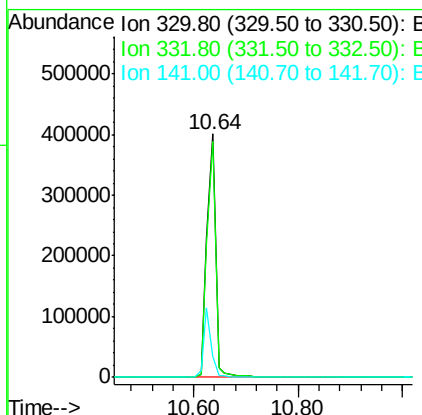
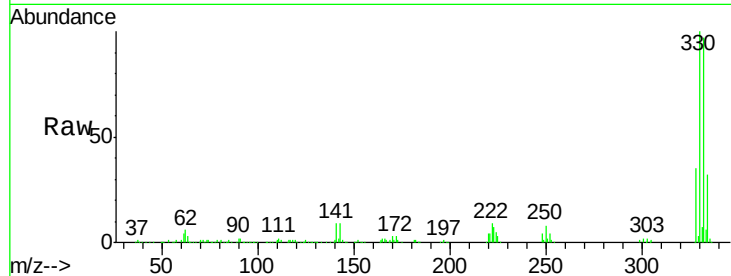
#41
 2,4,6-Tribromophenol
 Concen: 164.05 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-CENTER

Tot Ion	Ratio	Resp	Lower	Upper
330	100	467605		
332	95.4	76.6	114.8	
141	25.2	29.7	44.5#	

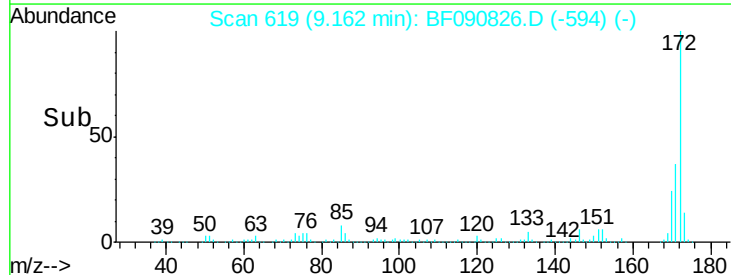
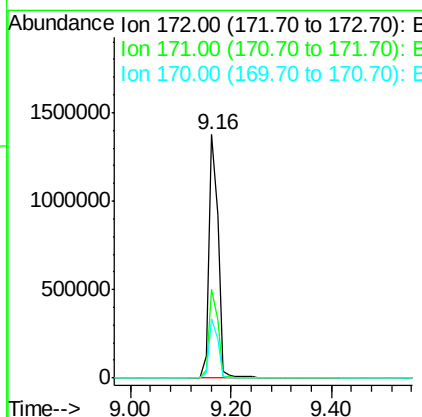
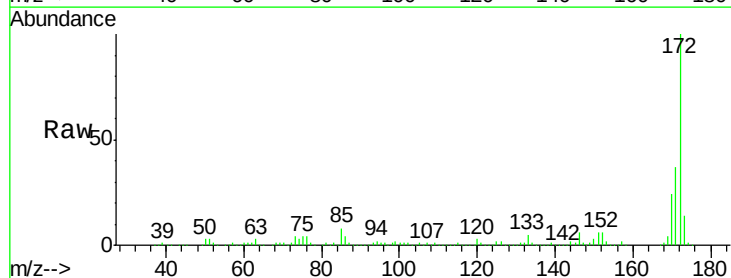
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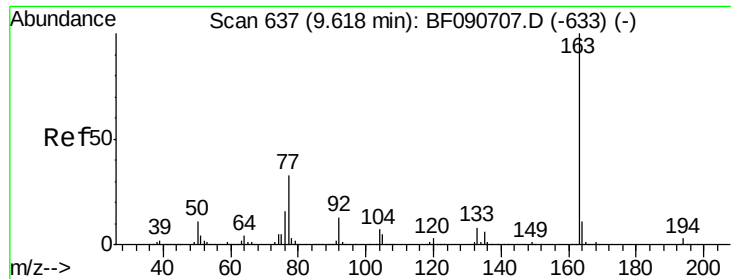
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#44
 2-Fluorobiphenyl
 Concen: 75.76 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1757508		
171	36.7	26.1	39.1	
170	24.4	17.4	26.2	





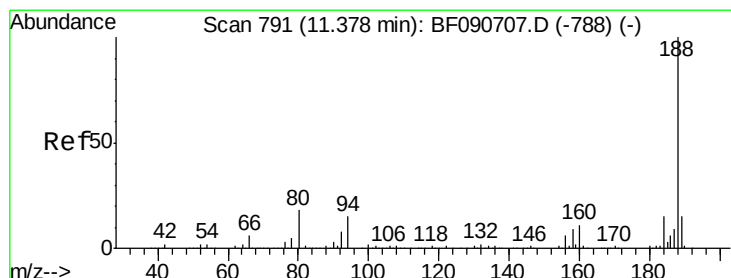
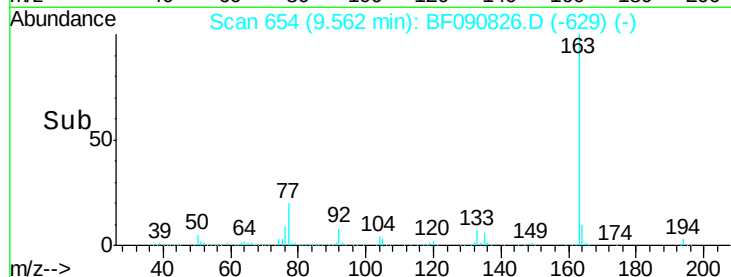
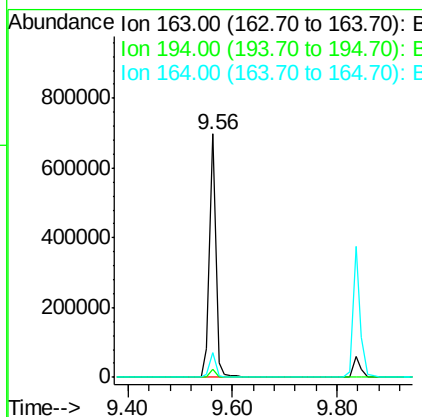
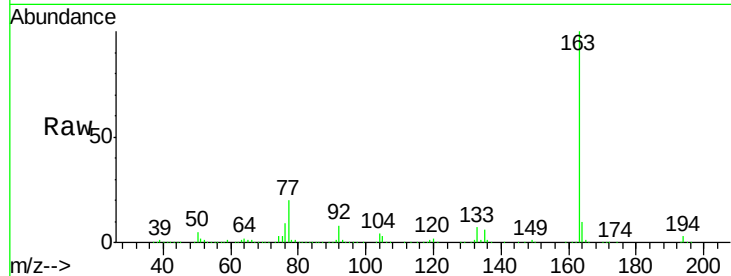
#49
Dimethylphthalate
Concen: 26.02 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF090826.D
Acq: 25 Oct 2016 23:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM-CENTER

Tot Ion	Ratio	Resp	Lower	Upper
163	100	588916		
194	3.5		4.4	6.6#
164	10.3		8.3	12.5

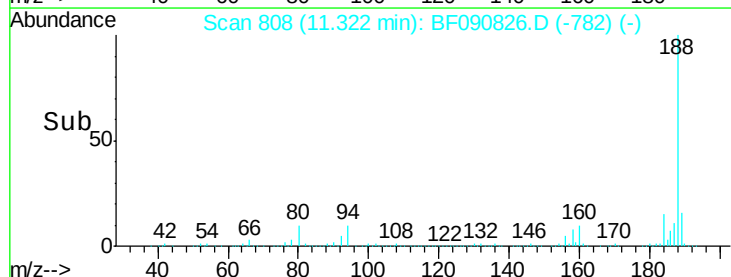
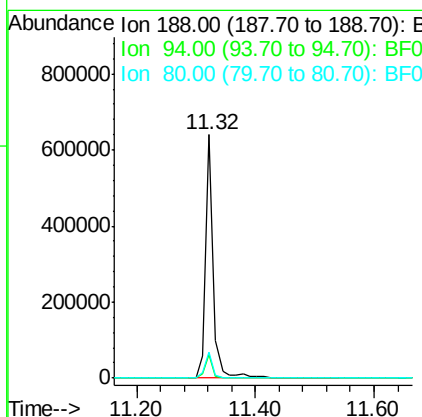
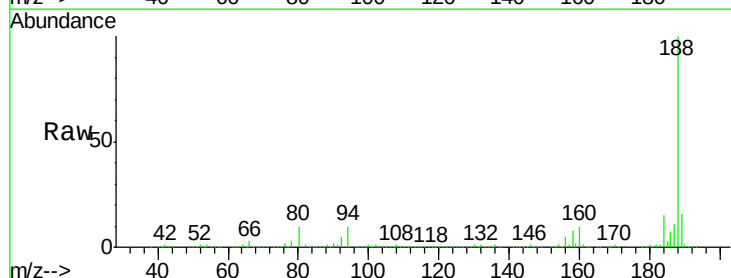
Manual Integrations
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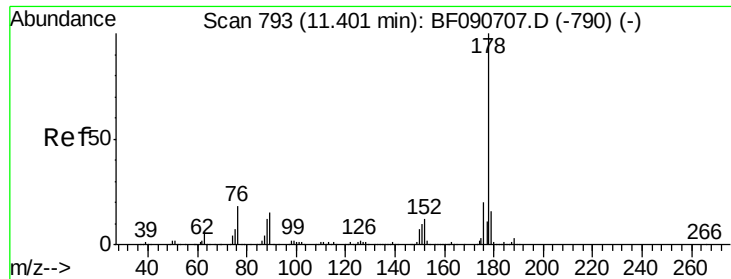
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF090826.D
Acq: 25 Oct 2016 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	594330		
94	9.5		11.1	16.7#
80	10.5		11.0	16.4#





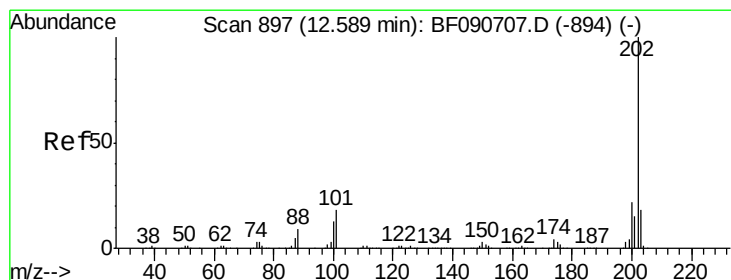
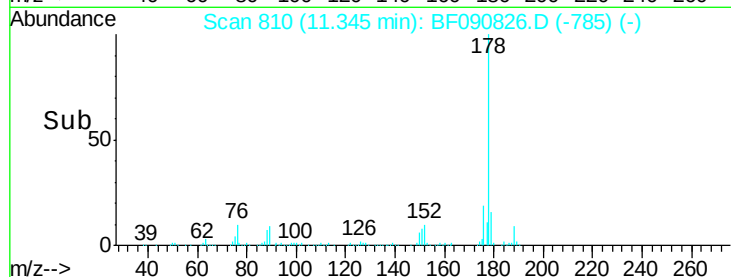
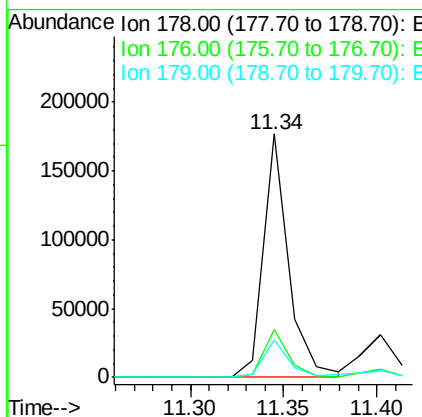
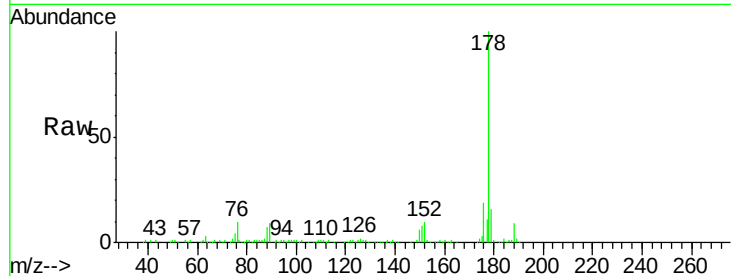
#70
Phenanthrene
Concen: 5.51 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF090826.D
Acq: 25 Oct 2016 23:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM-CENTER

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	13.8	20.8
179	15.5	12.2	18.2

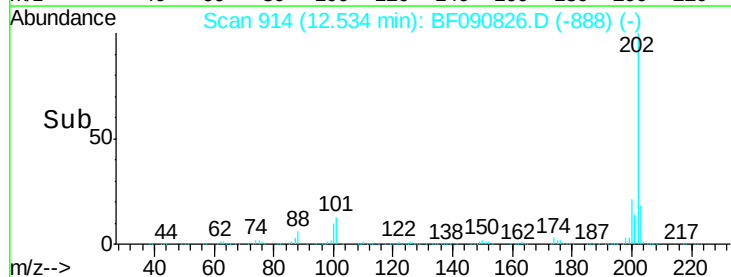
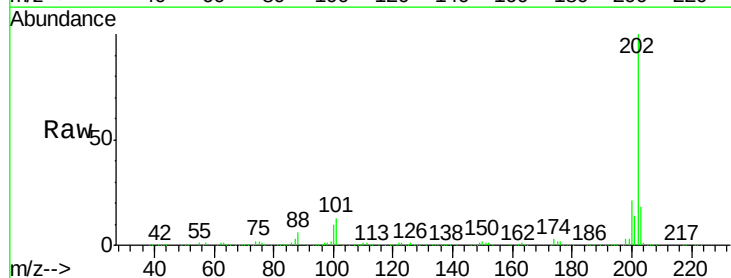
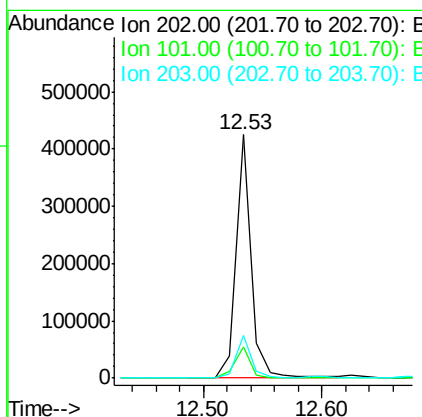
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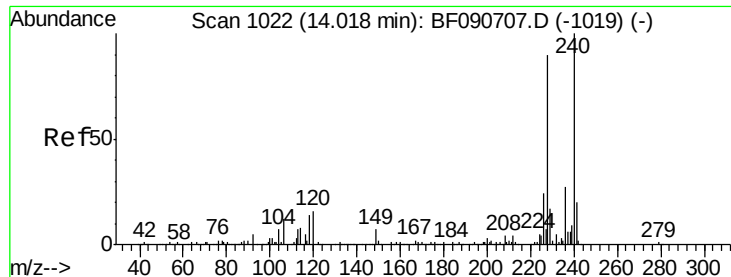
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#74
Fluoranthene
Concen: 12.89 ng
RT: 12.53 min Scan# 914
Delta R.T. -0.00 min
Lab File: BF090826.D
Acq: 25 Oct 2016 23:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	38.3
203	17.5	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

Instrument :

BNA_F

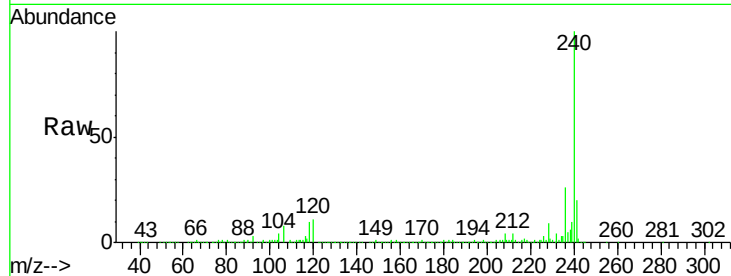
ClientSampleId :

BOTTOM-CENTER

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	11.3	16.2	24.2		
236	26.4	18.4	27.6		

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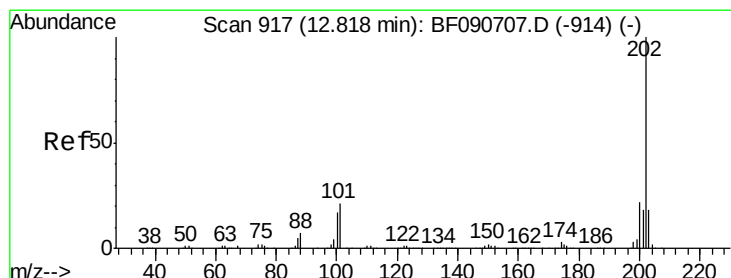
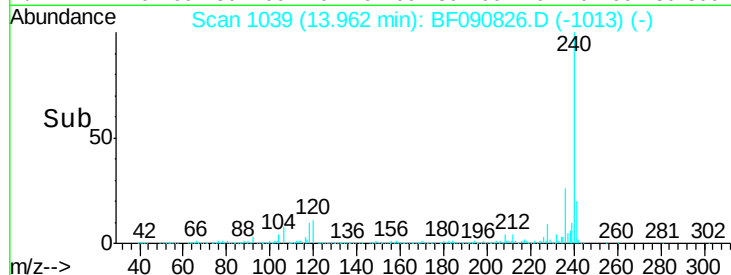
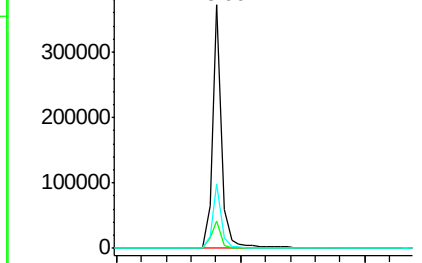


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.96



#77

Pyrene

Concen: 11.63 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.00 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

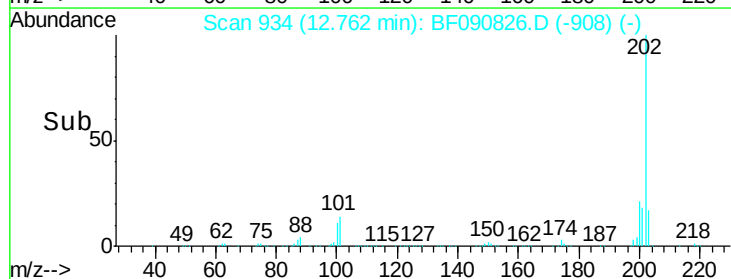
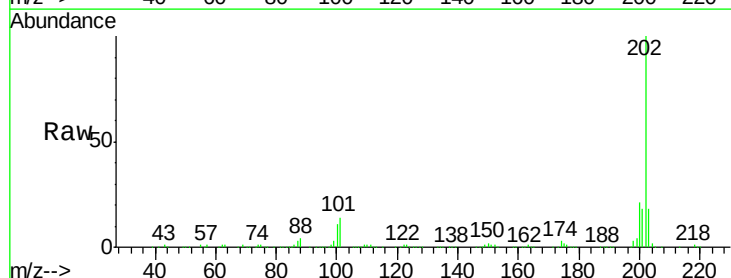
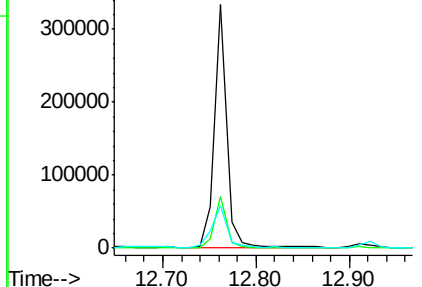
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.3	15.0	22.4		
203	17.6	14.1	21.1		

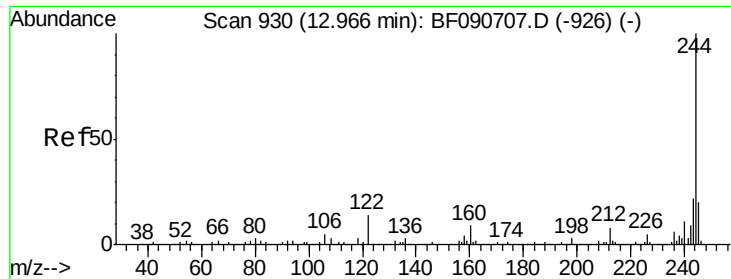
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.76





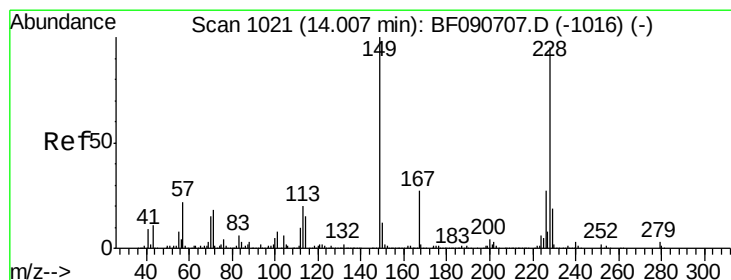
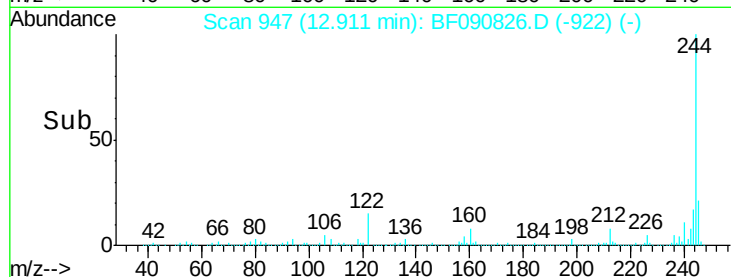
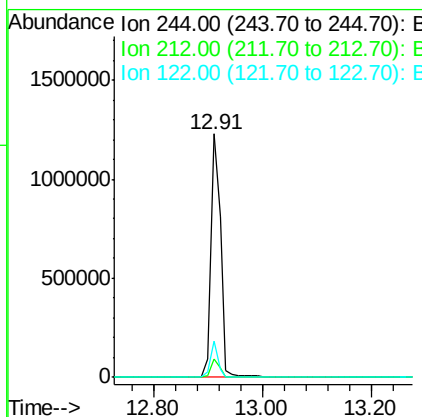
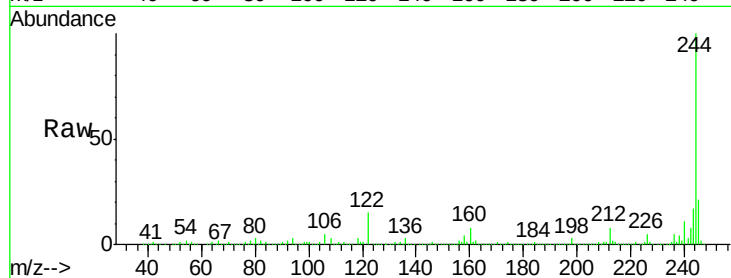
#78
 Terphenyl-d14
 Concen: 94.77 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-CENTER

Tot Ion:244 Resp: 1543679
 Ion Ratio Lower Upper
 244 100
 212 7.5 4.3 6.5#
 122 15.0 17.4 26.2#

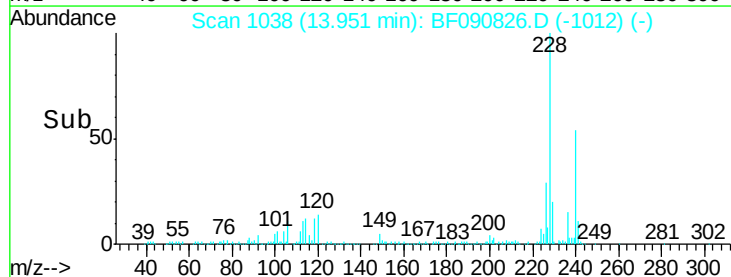
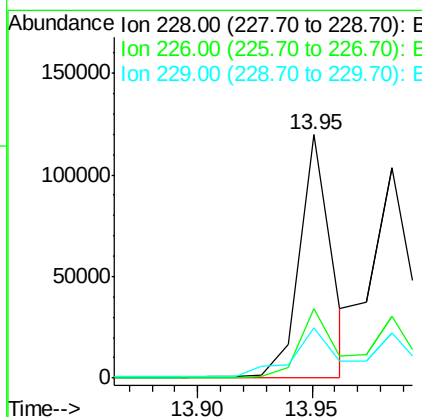
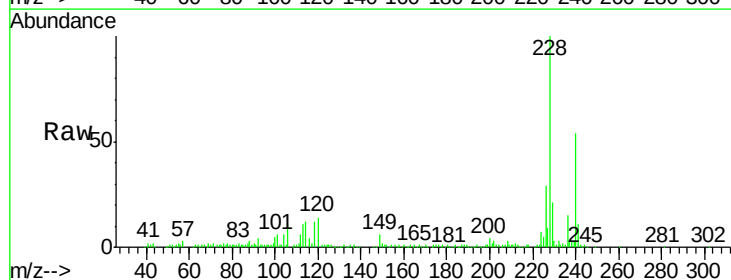
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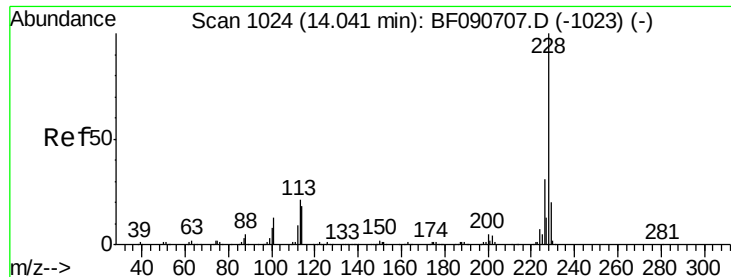
umangi
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#80
 Benzo(a)anthracene
 Concen: 5.83 ng m
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Tgt Ion:228 Resp: 119029
 Ion Ratio Lower Upper
 228 100
 226 28.7 20.0 30.0
 229 20.7 15.4 23.2





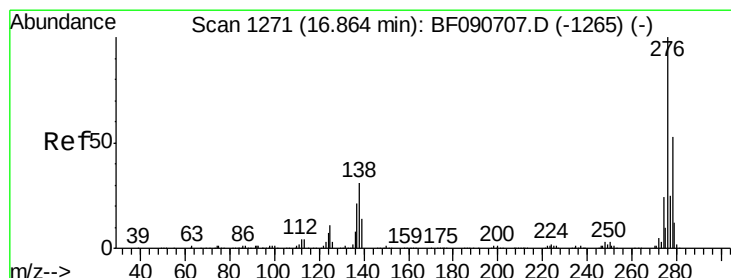
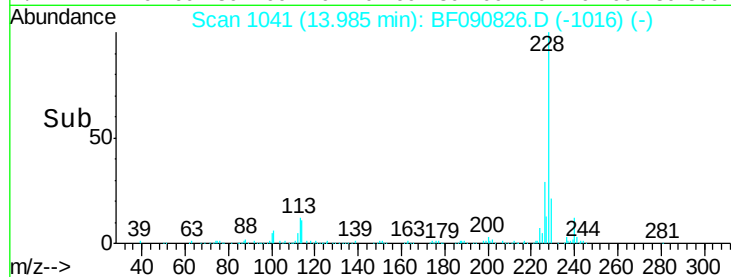
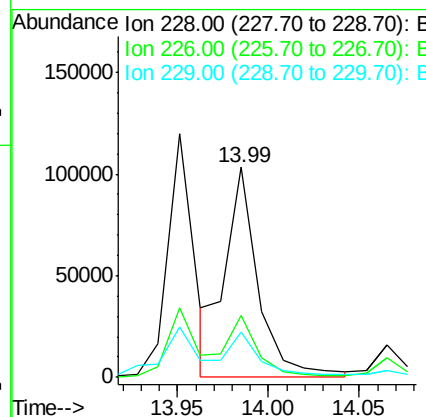
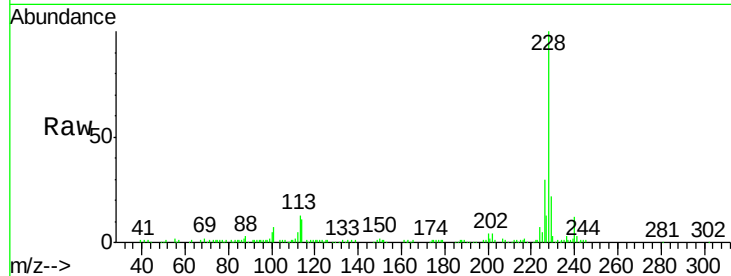
#82
Chrysene
Concen: 6.61 ng/ml
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF090826.D
Acq: 25 Oct 2016 23:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM-CENTER

Tot Ion:	228	Resp:	131889
Ion Ratio	Lower	Upper	
228	100		
226	29.6	21.0	31.4
229	21.8	15.6	23.4

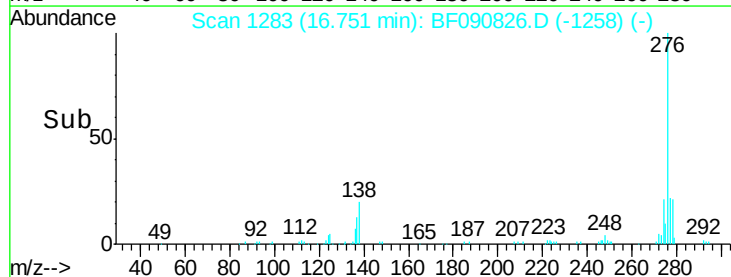
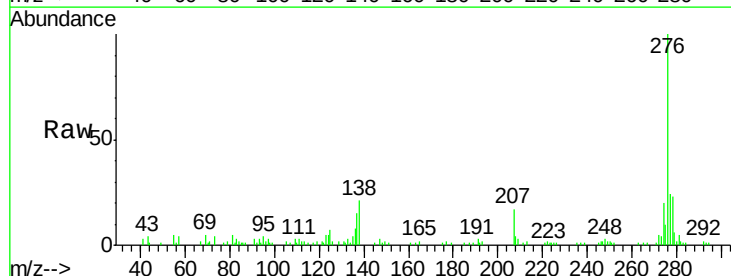
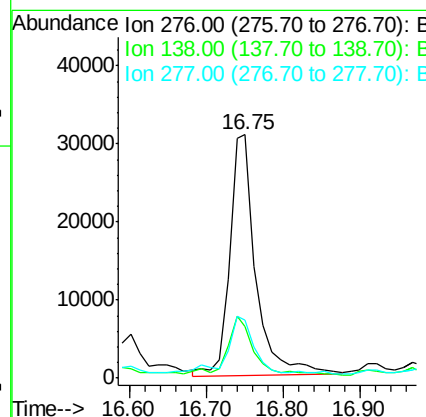
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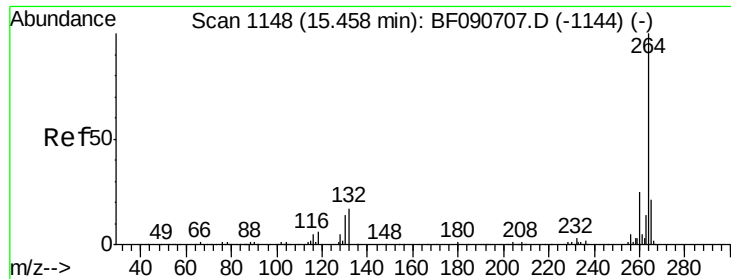
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.30 ng
RT: 16.75 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF090826.D
Acq: 25 Oct 2016 23:50

Tgt Ion:	276	Resp:	74853
Ion Ratio	Lower	Upper	
276	100		
138	23.5	25.7	38.5#
277	23.7	15.6	23.4#





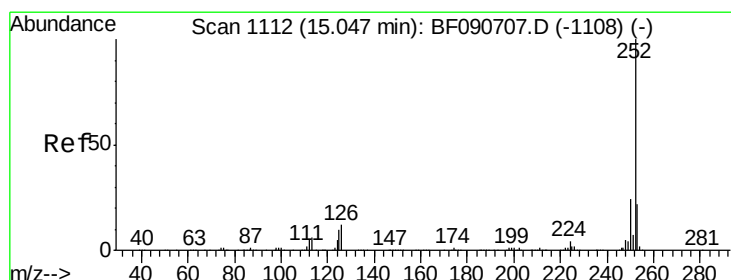
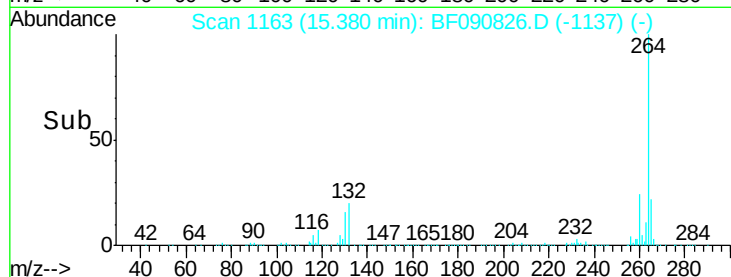
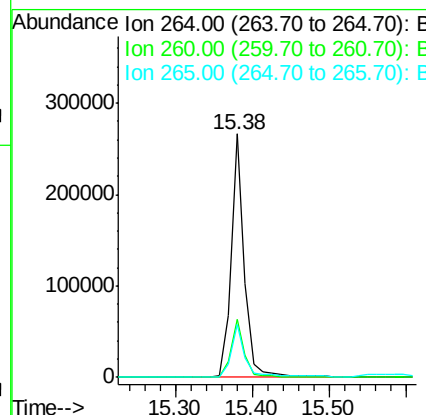
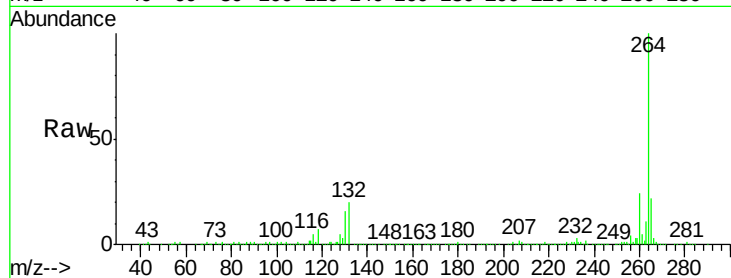
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF090826.D
Acq: 25 Oct 2016 23:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM-CENTER

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	16.7	25.1
265	22.0	17.2	25.8

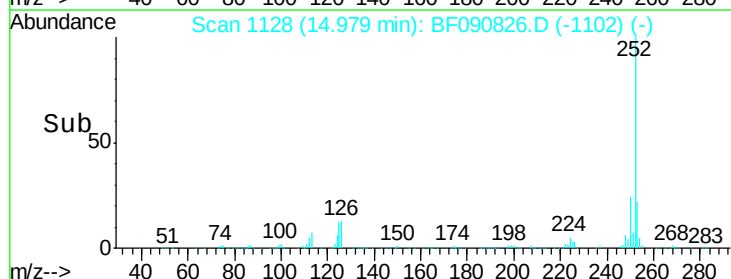
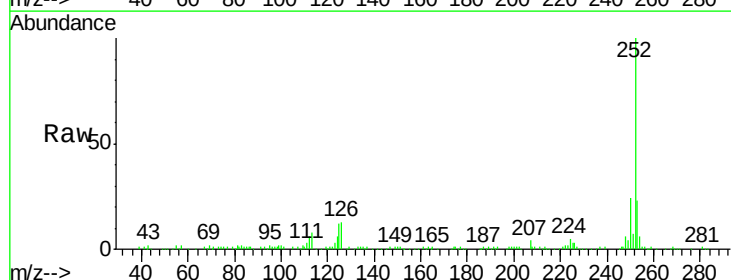
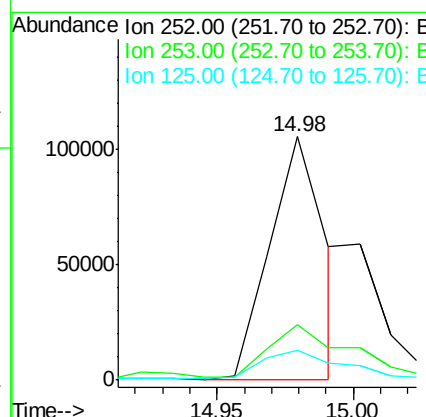
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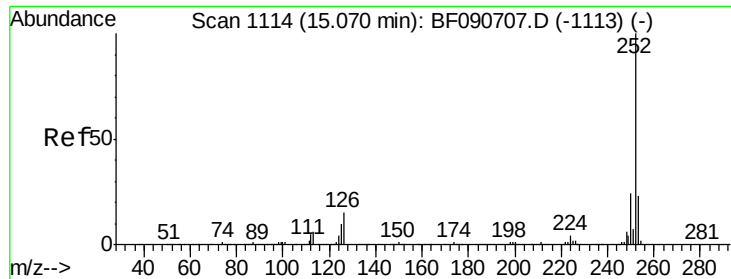
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#87
Benzo(b)fluoranthene
Concen: 7.43 ng m
RT: 14.98 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BF090826.D
Acq: 25 Oct 2016 23:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	12.5	17.1	25.7#





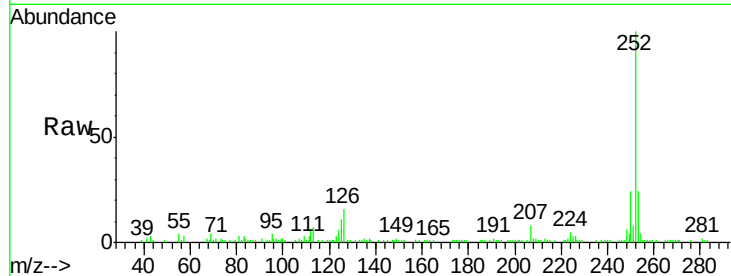
#88
Benzo(k)fluoranthene
Concen: 3.08 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF090826.D
Acq: 25 Oct 2016 23:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM-CENTER

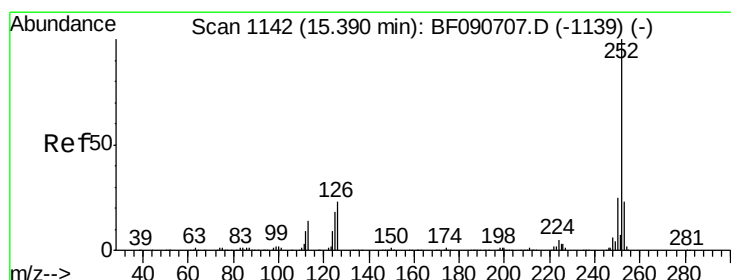
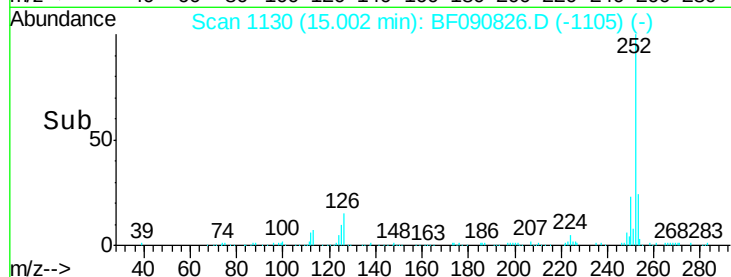
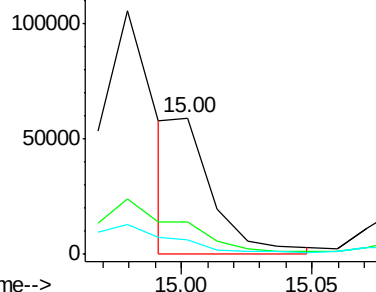
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.4
125	11.0	16.0	24.0

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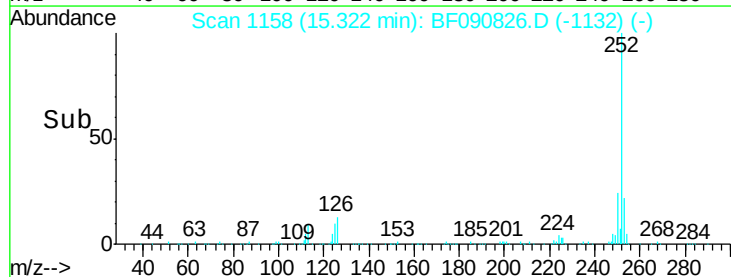
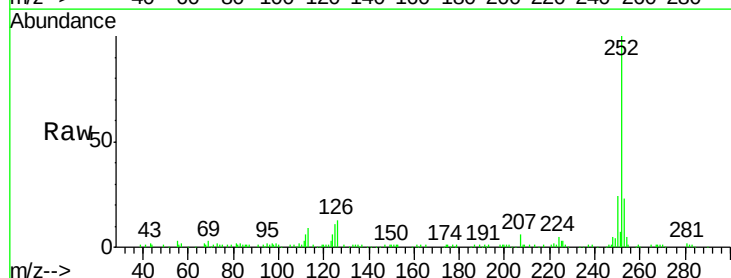
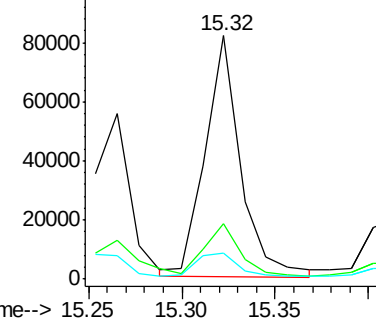
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

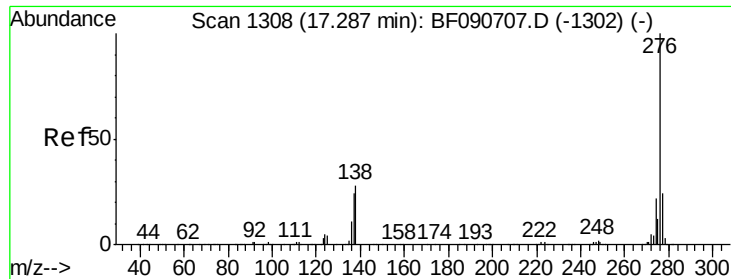


#89
Benzo(a)pyrene
Concen: 5.76 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BF090826.D
Acq: 25 Oct 2016 23:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	10.9	18.0	27.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





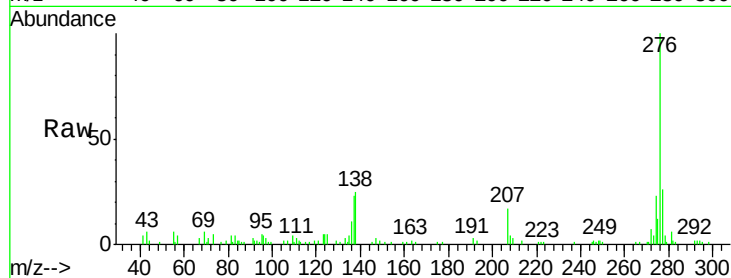
#91
 Benzo(a,h,i)perylene
 Concen: 3.71 ng
 RT: 17.15 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-CENTER

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.8	26.6
138	25.1	34.6	51.8#

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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

