

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101716\
 Data File : BF090617.D
 Acq On : 17 Oct 2016 19:39
 Operator : UM/SJ
 Sample : H5227-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3

Manual Integrations
 APPROVED

SOHIL
 10/18/2016 6:05:43 PM

Quant Time: Oct 18 01:35:14 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	213964	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	866662	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	438552	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	584539	20.00	ng	-0.01
75) Chrysene-d12	14.08	240	506625	20.00	ng	-0.01
86) Perylene-d12	15.54	264	538568	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	213965	18.33	ng	-0.01
7) Phenol-d6	6.53	99	295401	17.03	ng	-0.01
23) Nitrobenzene-d5	7.47	82	172228	11.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	42846	10.96	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	258258	9.70	ng	0.00
78) Terphenyl-d14	13.02	244	191696	8.81	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.66	163	65949	2.32	ng	99
70) Phenanthrene	11.46	178	77086	2.47	ng	99
74) Fluoranthene	12.65	202	132924	4.24	ng	94
77) Pyrene	12.87	202	125271	3.73	ng	98
80) Benzo(a)anthracene	14.06	228	82557	2.86	ng	92
82) Chrysene	14.10	228	73190m	2.63	ng	
85) Indeno(1,2,3-cd)pyrene	16.98	276	52839	3.29	ng	95
87) Benzo(b)fluoranthene	15.12	252	106770m	3.03	ng	
89) Benzo(a)pyrene	15.47	252	86943	2.69	ng	# 92
91) Benzo(g,h,i)perylene	17.41	276	52400	2.23	ng	97

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

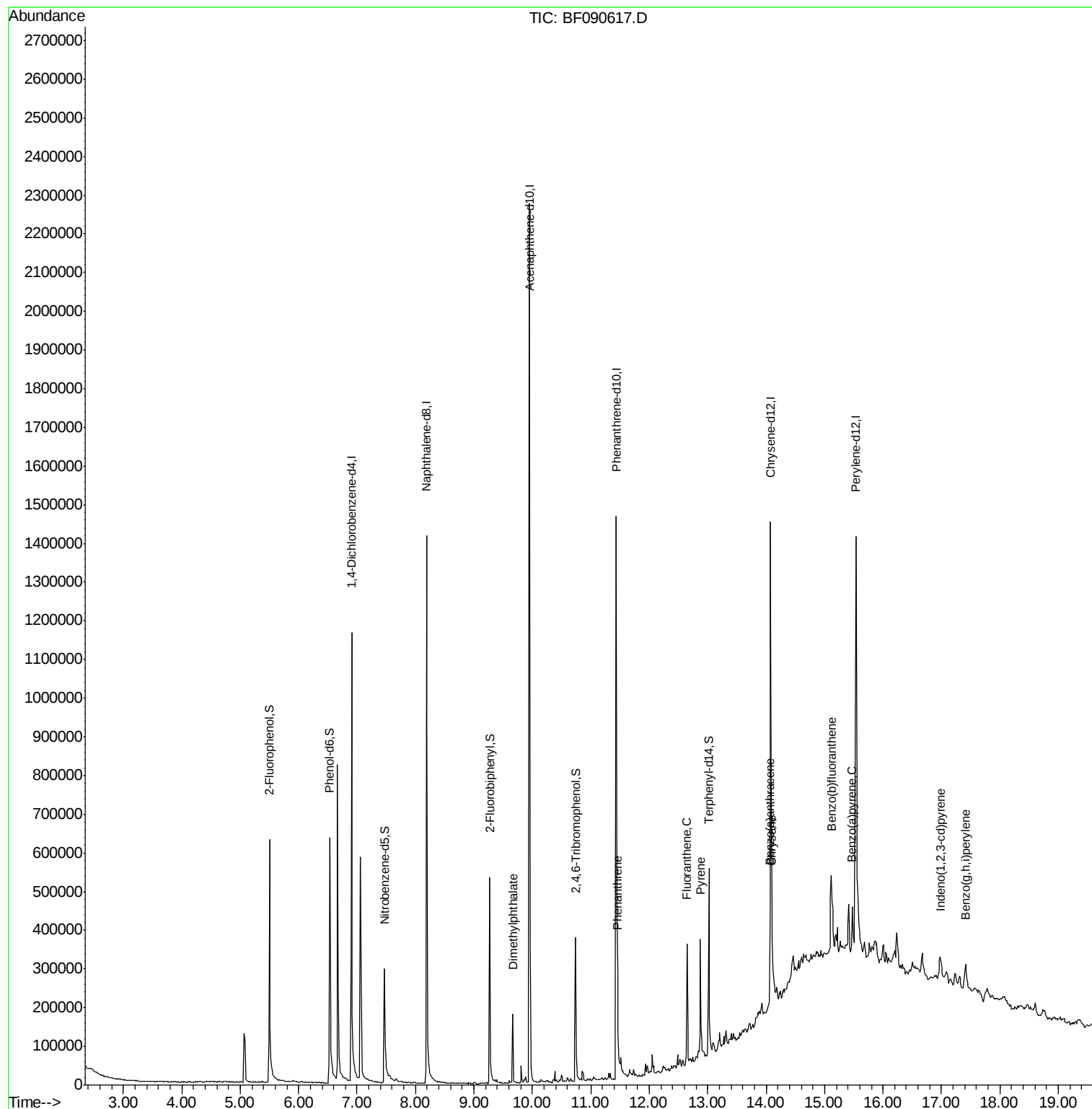
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101716\
Data File : BF090617.D
Acq On : 17 Oct 2016 19:39
Operator : UM/SJ
Sample : H5227-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

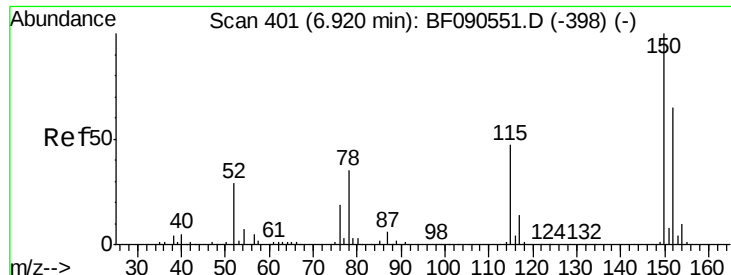
Instrument :
BNA_F
ClientSampleId :
3

Manual Integrations
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10/18/2016 6:05:43 PM

Quant Time: Oct 18 01:35:14 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

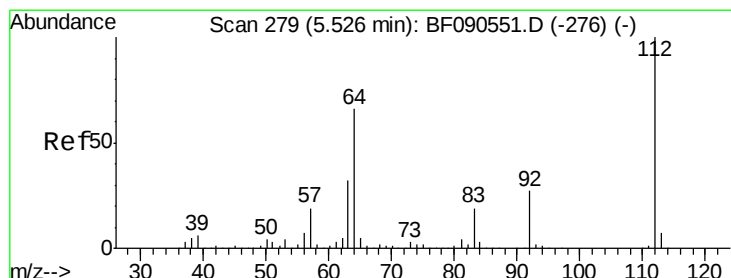
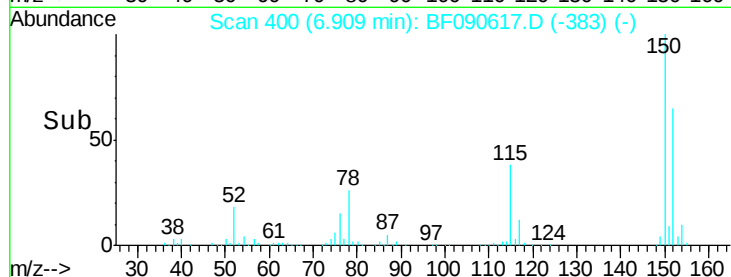
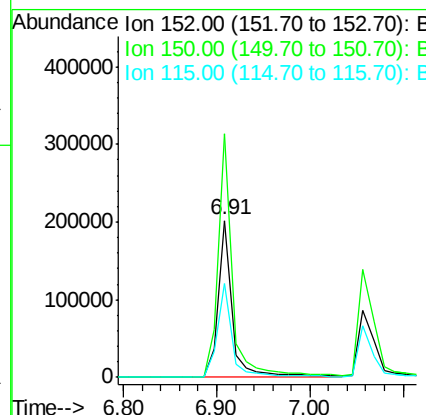
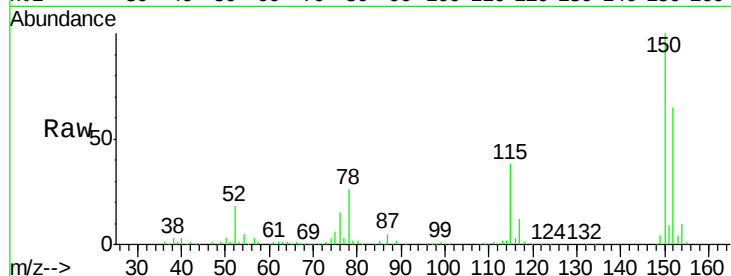
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 400
Delta R.T. -0.00 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Instrument :
BNA_F
ClientSampled :
3

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	127.2	190.8
115	59.6	58.6	88.0

Manual Integrations
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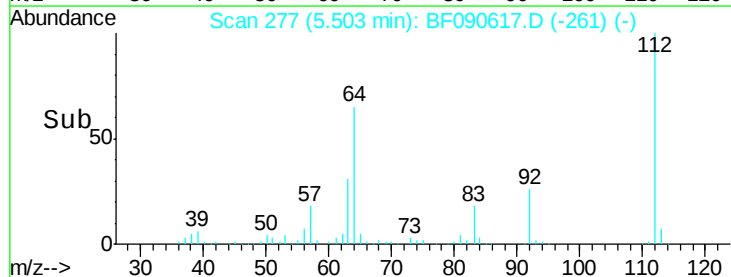
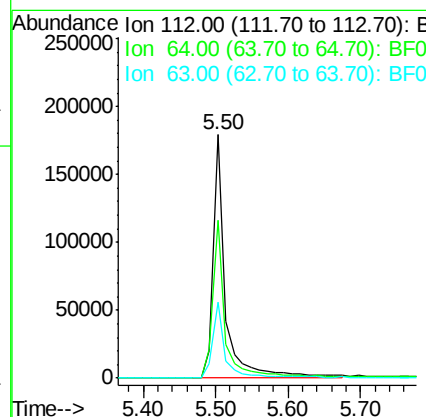
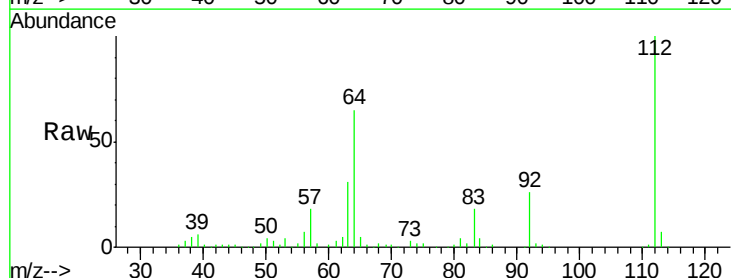
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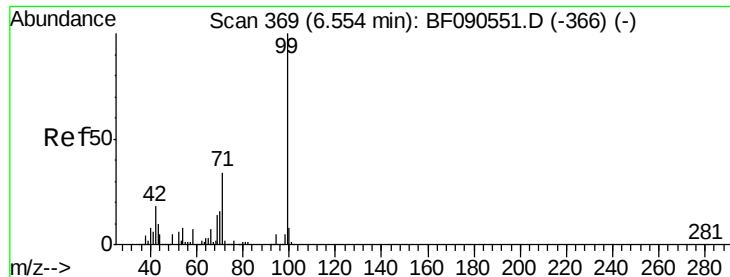


#5

2-Fluorophenol
Concen: 18.33 ng
RT: 5.50 min Scan# 277
Delta R.T. -0.01 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	52.6	78.8
63	31.4	26.0	39.0





#7

Phenol-d6

Concen: 17.03 ng

RT: 6.53 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF090617.D

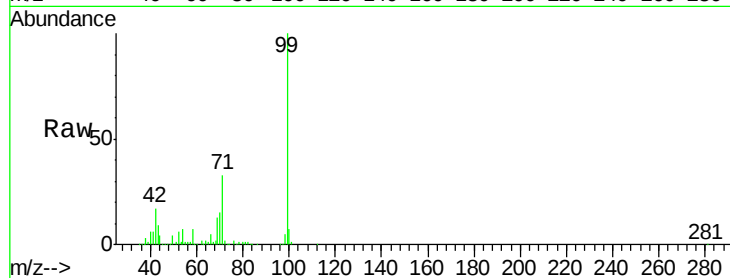
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Instrument :

BNA_F

ClientSampleId :

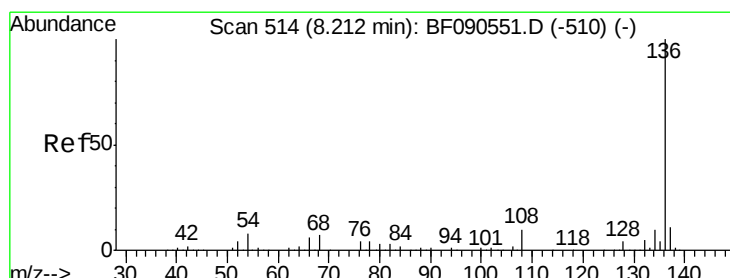
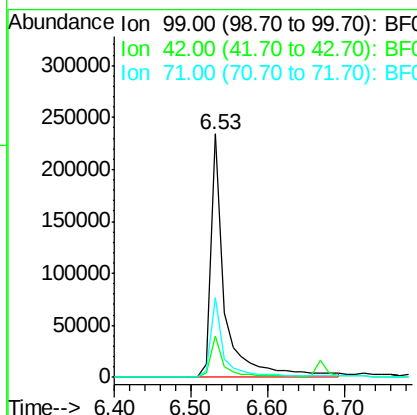
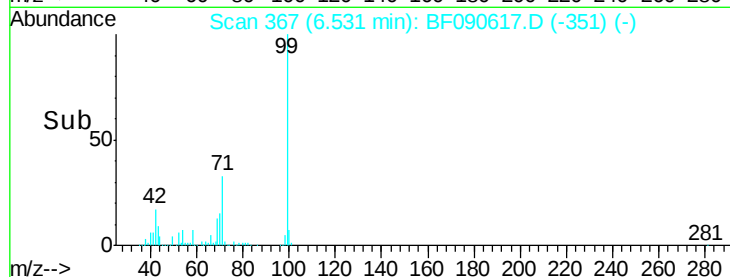
3



Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		295401		
42	17.0	14.7	22.1		
71	32.9	27.6	41.4		

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#21

Naphthalene-d8

Concen: 20.00 ng

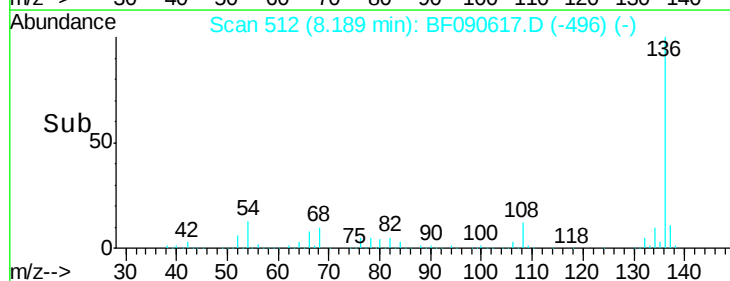
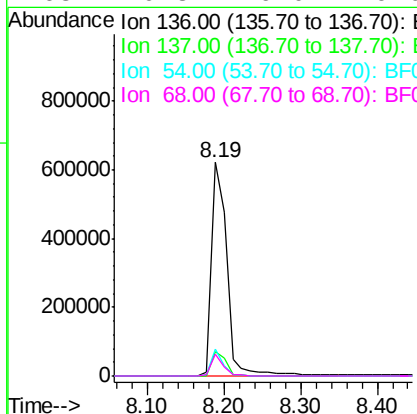
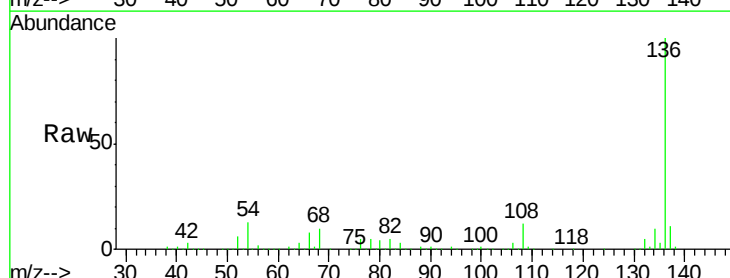
RT: 8.19 min Scan# 512

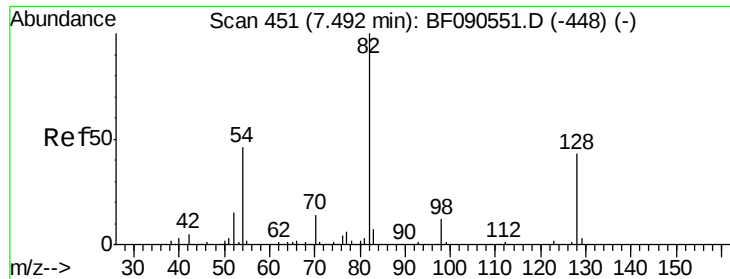
Delta R.T. -0.01 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		866662		
137	11.4	8.8	13.2		
54	12.8	6.8	10.2#		
68	10.3	6.0	9.0#		





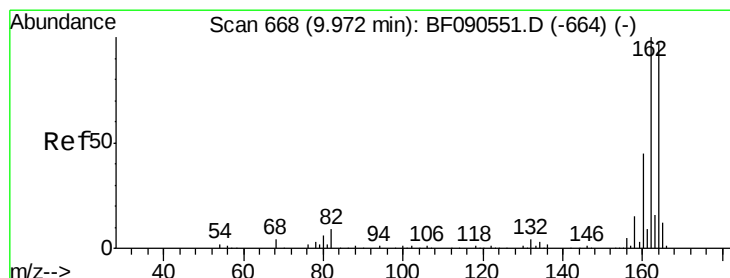
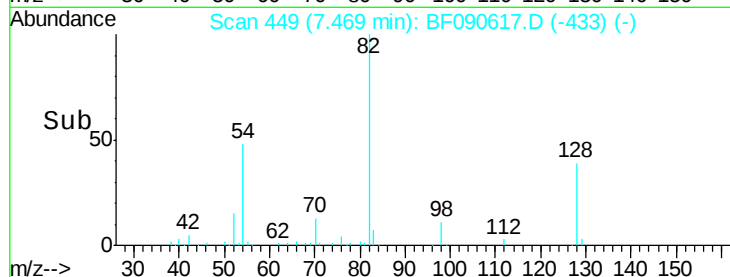
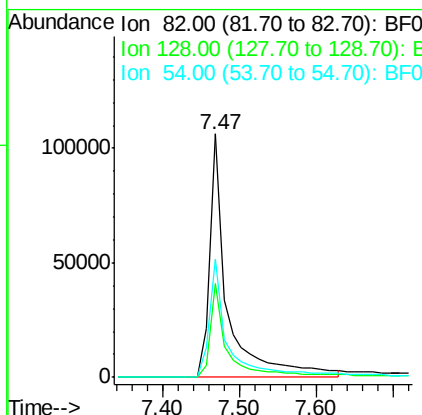
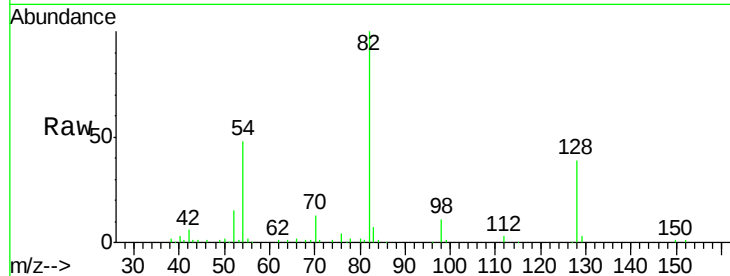
#23
Nitrobenzene-d5
Concen: 11.04 ng
RT: 7.47 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Instrument :
BNA_F
ClientSampled :
3

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.7	34.3	51.5
54	48.4	37.0	55.6

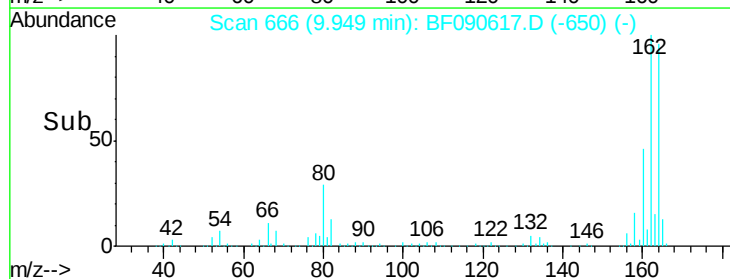
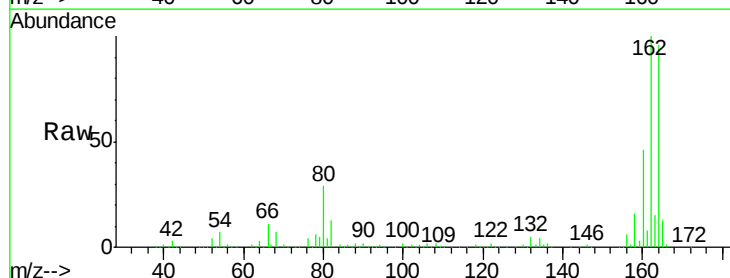
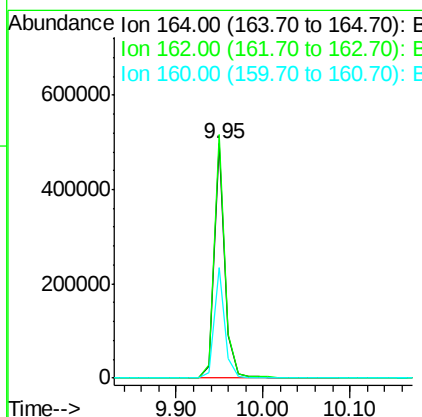
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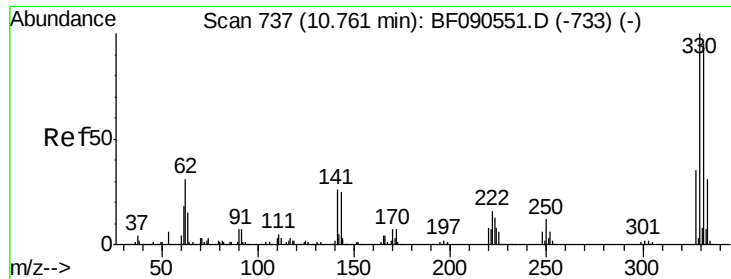
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.2	123.4
160	47.4	36.6	55.0





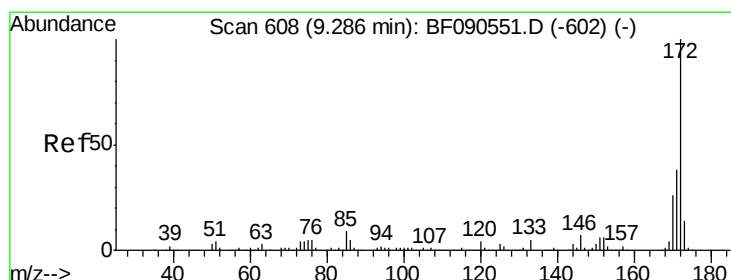
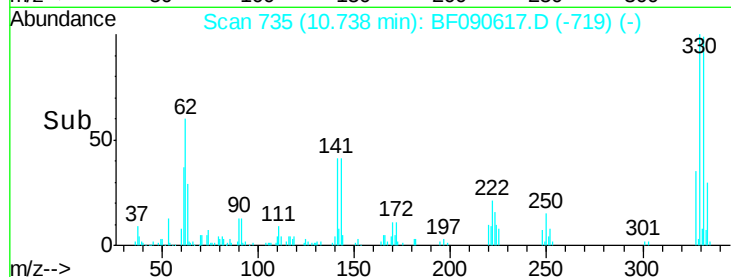
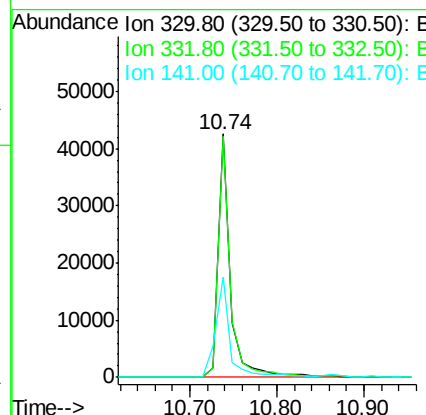
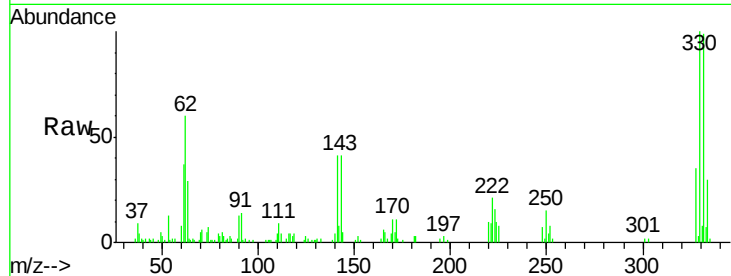
#41
 2,4,6-Tribromophenol
 Concen: 10.96 ng
 RT: 10.74 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: BF090617.D
 Acq: 17 Oct 2016 19:39

Instrument :
 BNA_F
 ClientSampled :
 3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	42846		
332	99.4	76.2	114.2	
141	47.9	31.4	47.2#	

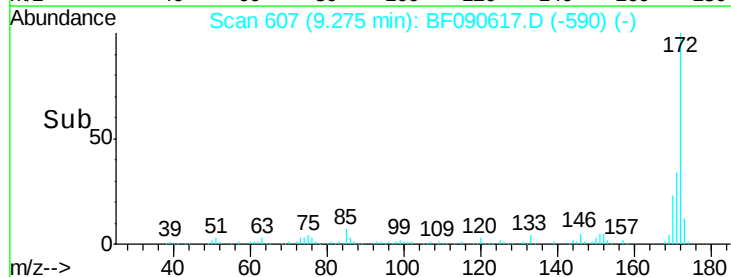
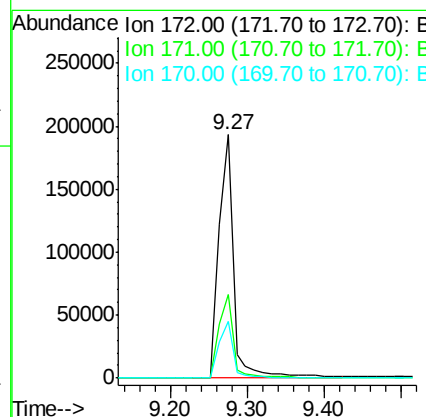
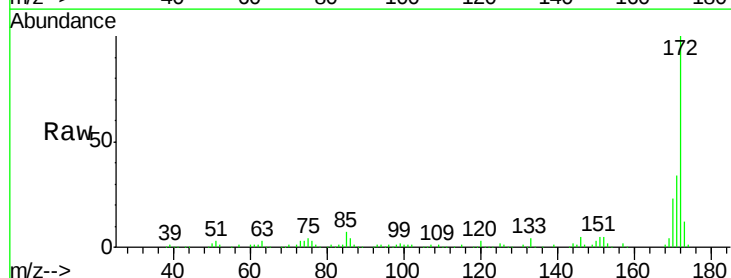
Manual Integrations
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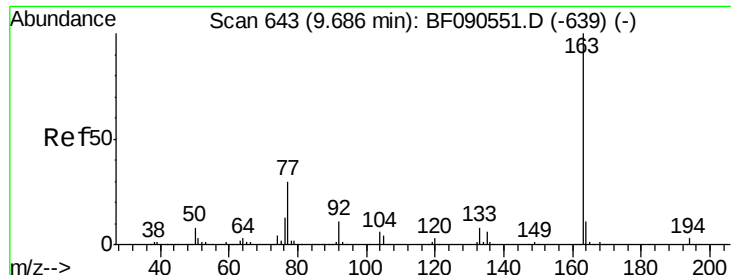
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#44
 2-Fluorobiphenyl
 Concen: 9.70 ng
 RT: 9.27 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: BF090617.D
 Acq: 17 Oct 2016 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	258258		
171	34.5	30.1	45.1	
170	23.4	20.6	30.8	





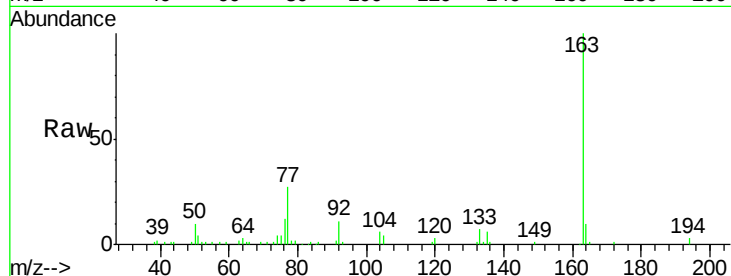
#49
Dimethylphthalate
Concen: 2.32 ng
RT: 9.66 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Instrument :
BNA_F
ClientSampled :
3

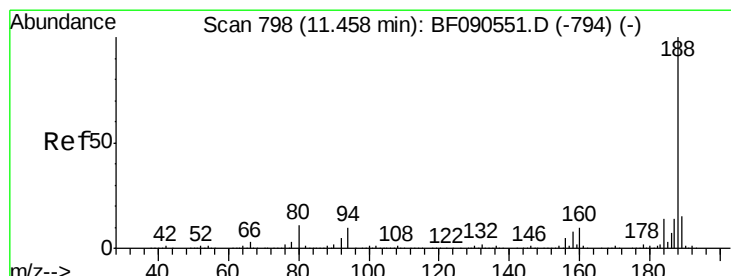
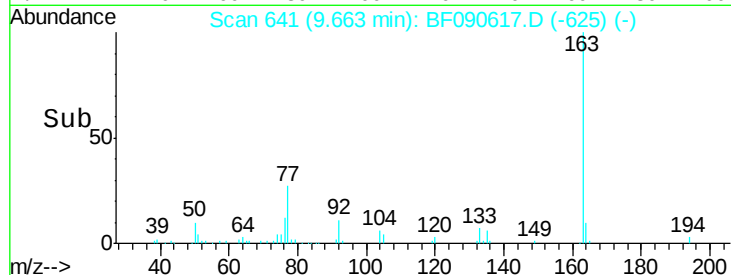
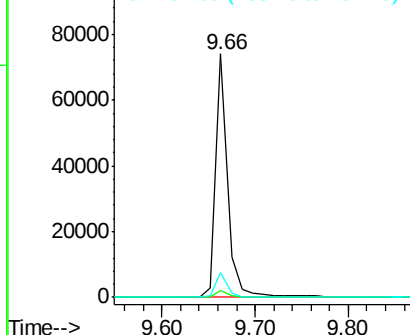
Tot Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.3	3.5
164	10.2	8.6	13.0

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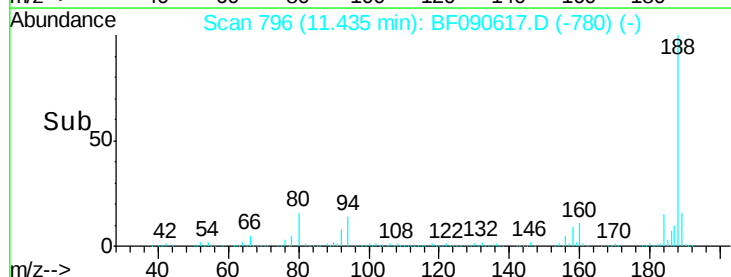
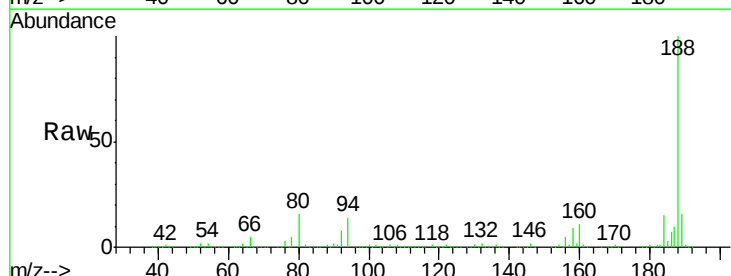
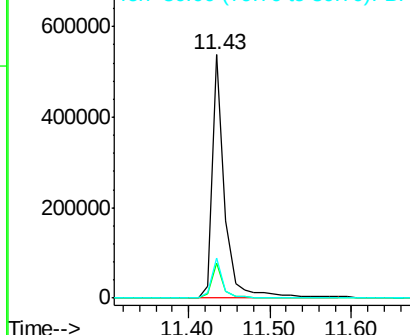
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

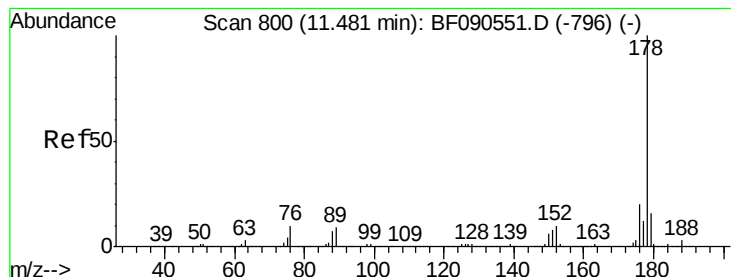


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.1	7.7	11.5#
80	16.4	8.6	12.8#

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: 2.47 ng

RT: 11.46 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

Instrument :

BNA_F

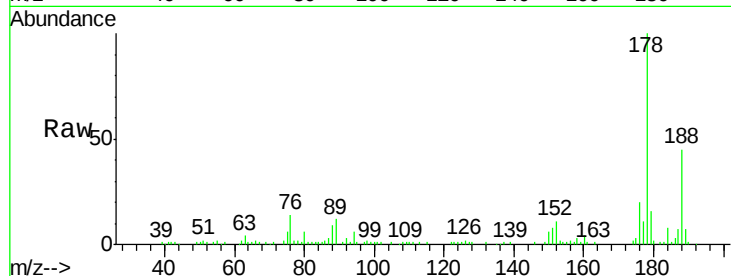
ClientSampled :

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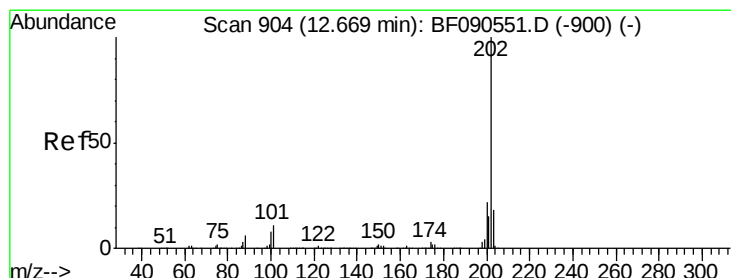
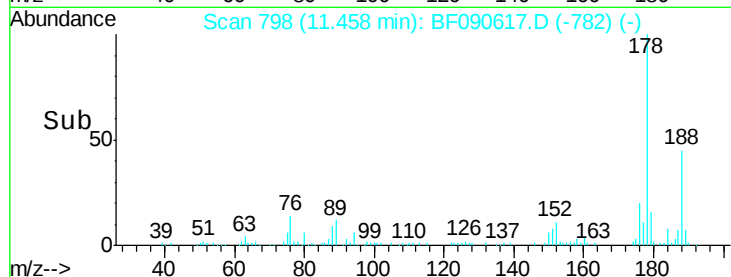
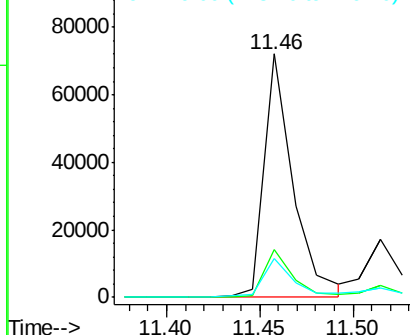
Tot Ion:	178	Resp:	77086
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.1	24.1
179	15.7	12.6	19.0

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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: 4.24 ng

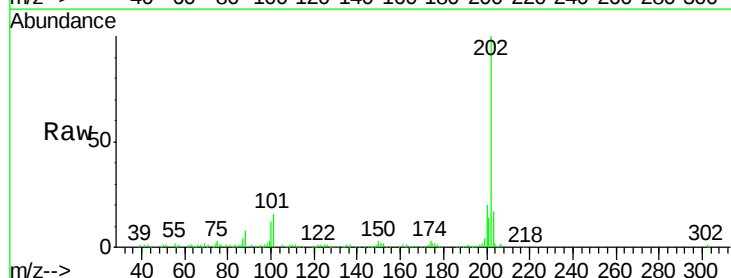
RT: 12.65 min Scan# 902

Delta R.T. -0.01 min

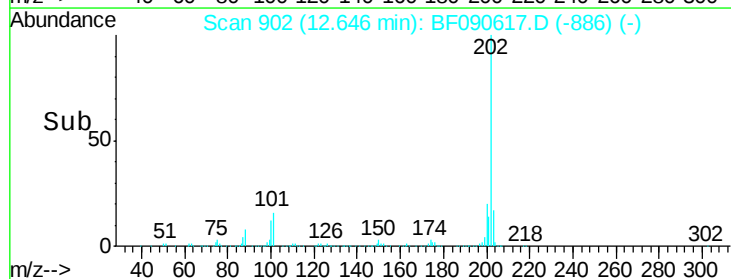
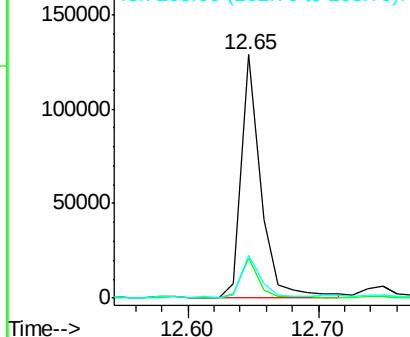
Lab File: BF090617.D

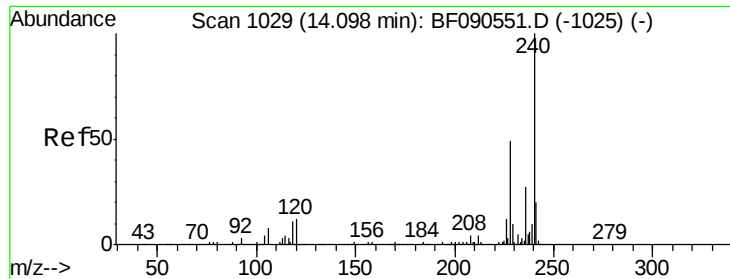
Acq: 17 Oct 2016 19:39

Tgt Ion:	202	Resp:	132924
Ion Ratio	Lower	Upper	
202	100		
101	16.3	0.0	31.1
203	17.4	0.0	38.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





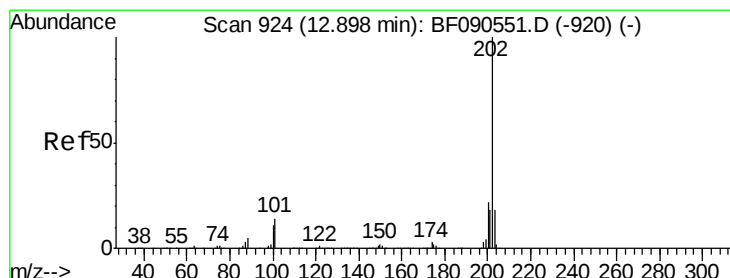
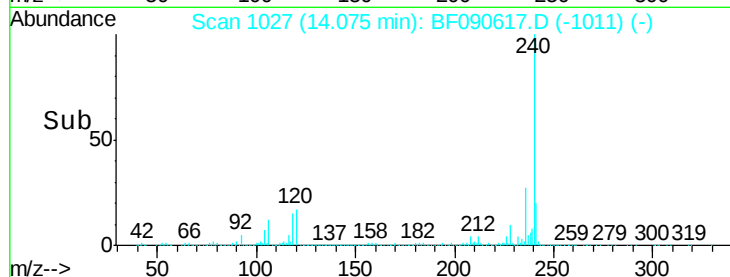
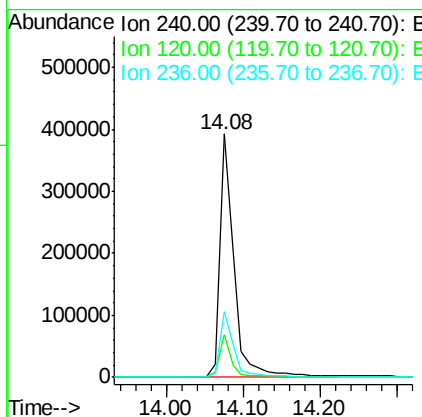
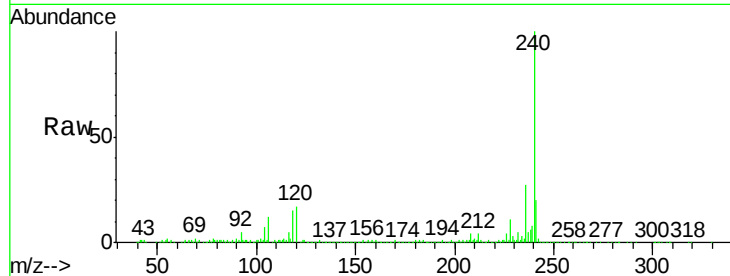
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.08 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BF090617.D
 Acq: 17 Oct 2016 19:39

Instrument :
 BNA_F
 ClientSampled :
 3

Tot Ion	Ratio	Lower	Upper
240	100		
120	17.4	9.8	14.8#
236	26.8	21.7	32.5

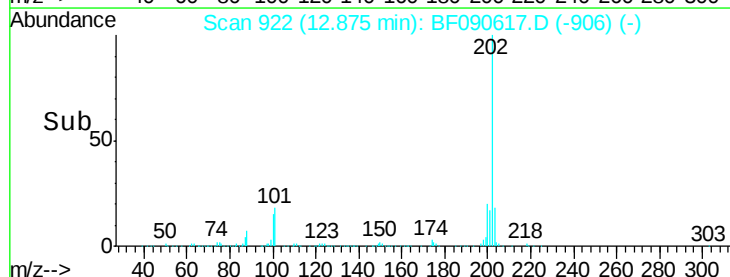
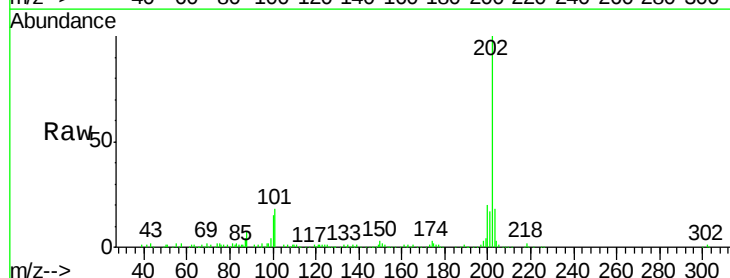
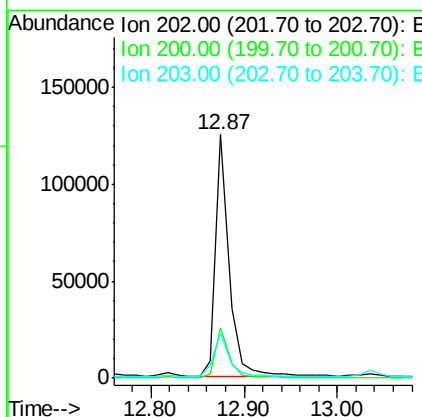
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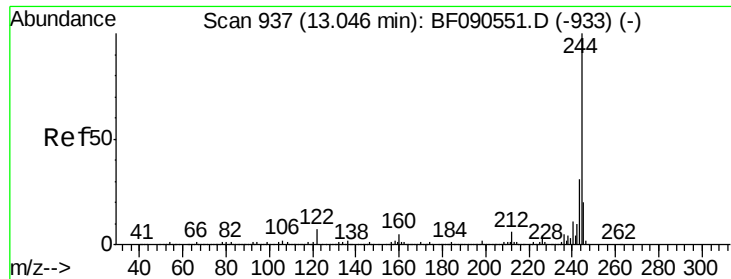
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#77
 Pyrene
 Concen: 3.73 ng
 RT: 12.87 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF090617.D
 Acq: 17 Oct 2016 19:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.8	26.6
203	18.4	14.6	21.8





#78

Terphenyl-d14

Concen: 8.81 ng

RT: 13.02 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF090617.D

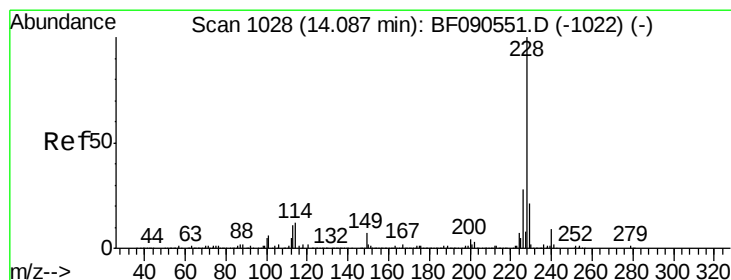
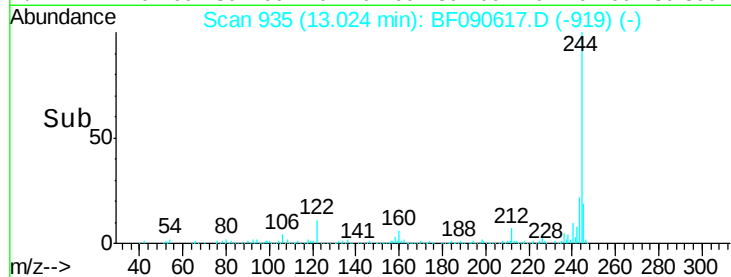
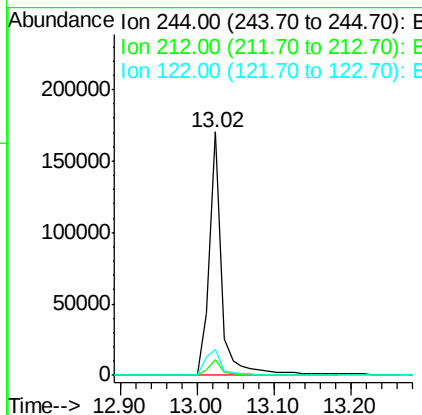
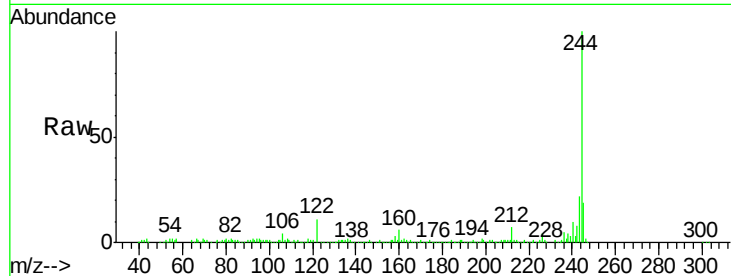
Acq: 17 Oct 2016 19:39

Instrument :
BNA_F
ClientSampled :
3

Tot Ion:	244	Resp:	191696
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.0	7.4
122	10.7	5.6	8.4

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#80

Benzo(a)anthracene

Concen: 2.86 ng

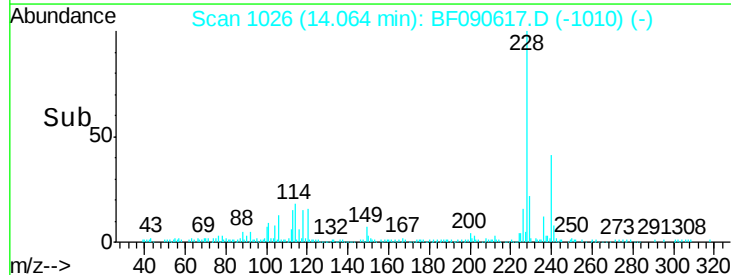
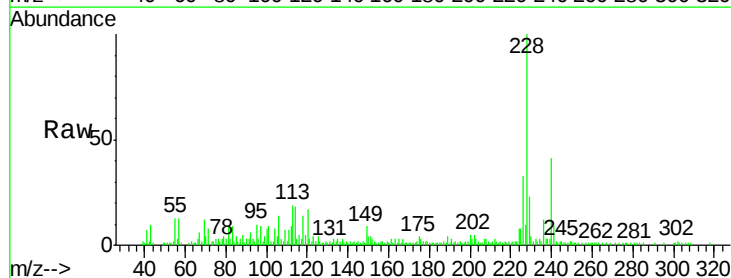
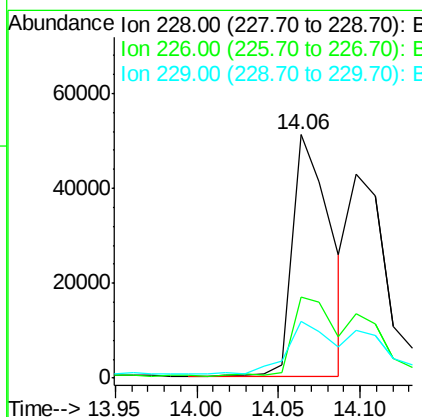
RT: 14.06 min Scan# 1026

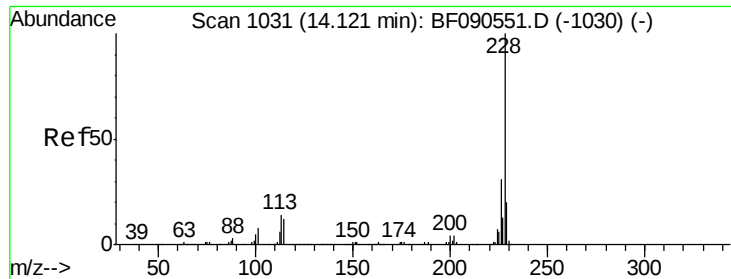
Delta R.T. -0.01 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

Tgt Ion:	228	Resp:	82557
Ion Ratio		Lower	Upper
228	100		
226	33.4	22.8	34.2
229	23.4	16.6	25.0





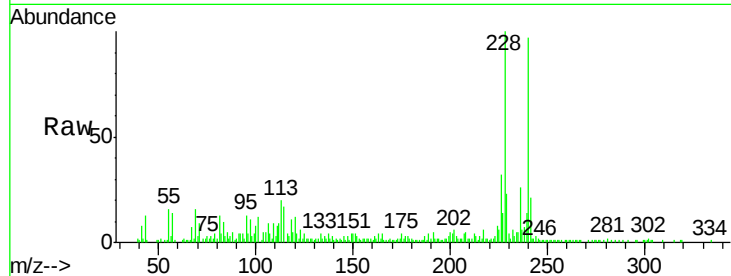
#82
Chrysene
Concen: 2.63 ng/ml
RT: 14.10 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Instrument :
BNA_F
ClientSampled :
3

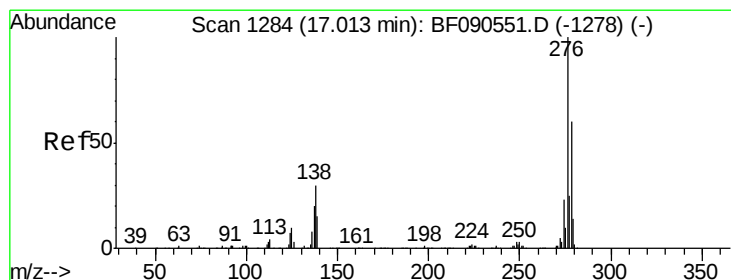
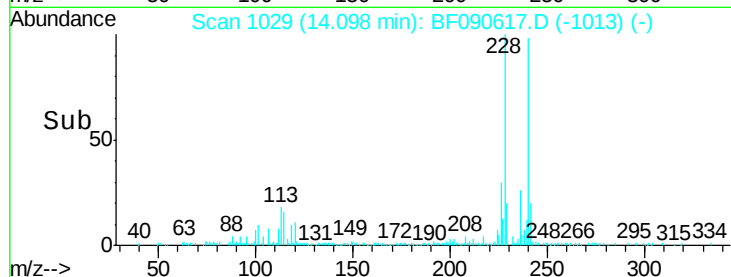
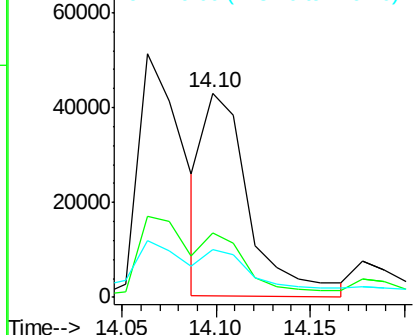
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.8	37.2
229	23.5	16.2	24.4

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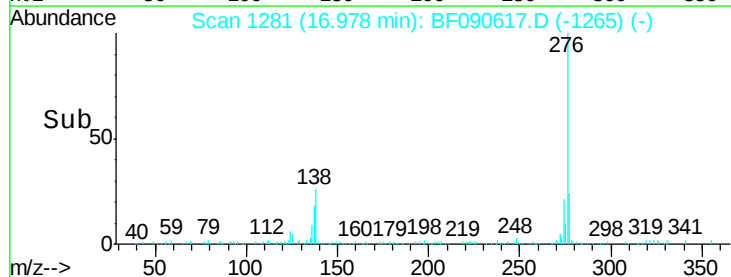
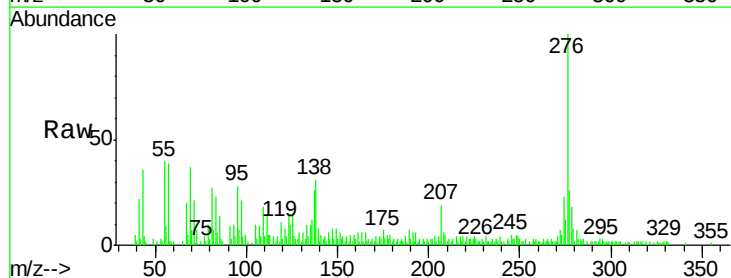
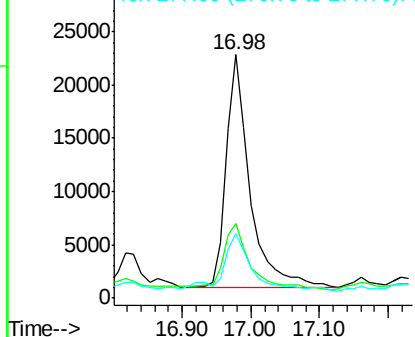
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

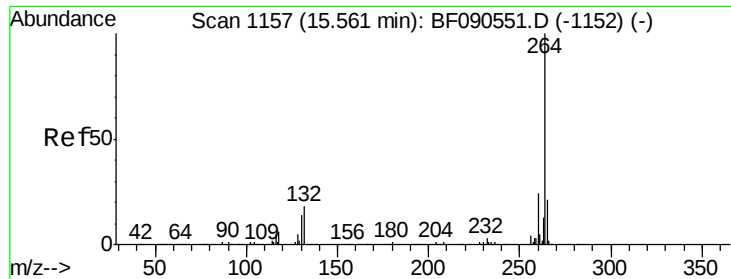


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.29 ng
RT: 16.98 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.1	25.8	38.6
277	29.6	20.1	30.1

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





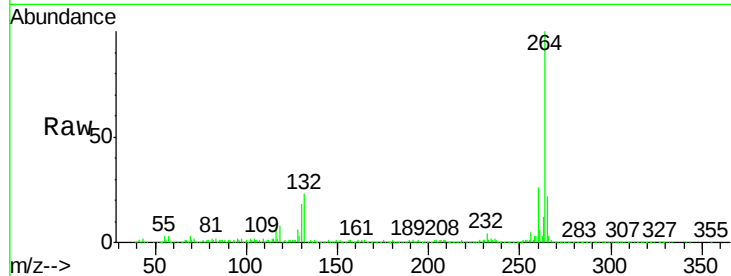
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Instrument :
BNA_F
ClientSampled :
3

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.3	28.9
265	22.3	16.7	25.1

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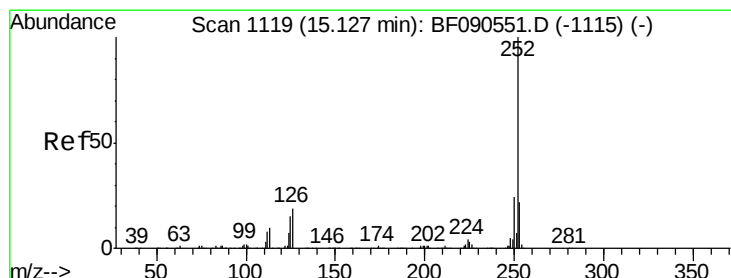
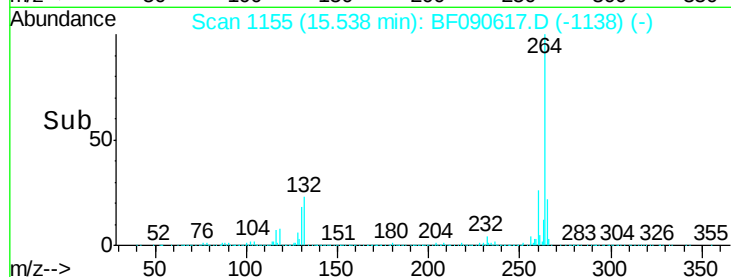
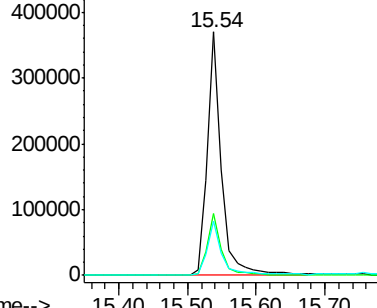


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 3.03 ng m
RT: 15.12 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

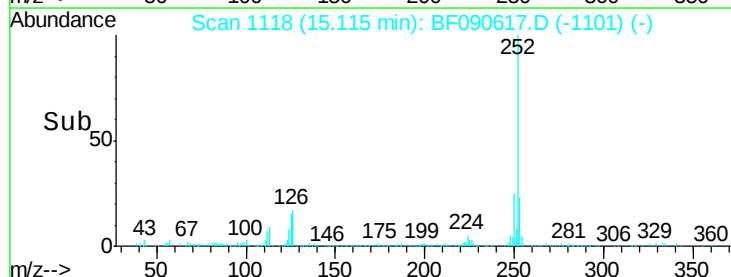
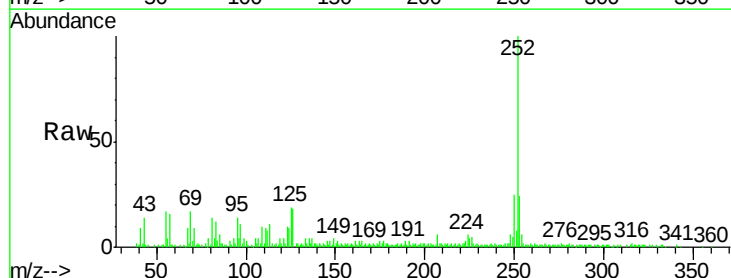
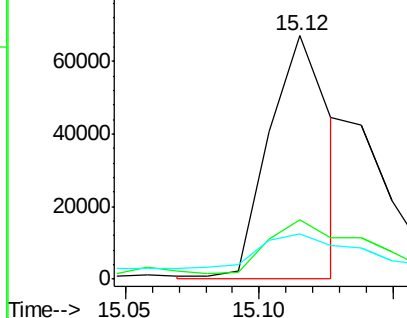
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	18.6	12.0	18.0

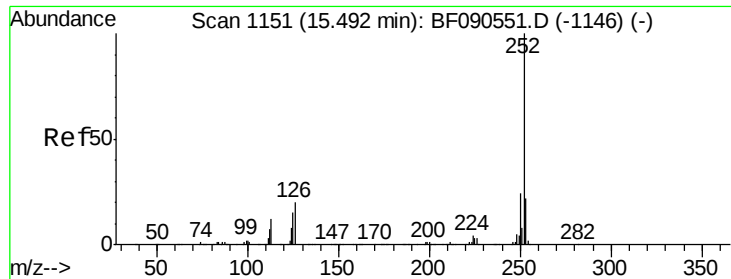
Abundance

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





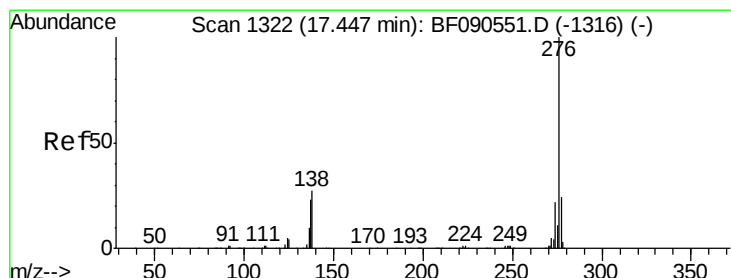
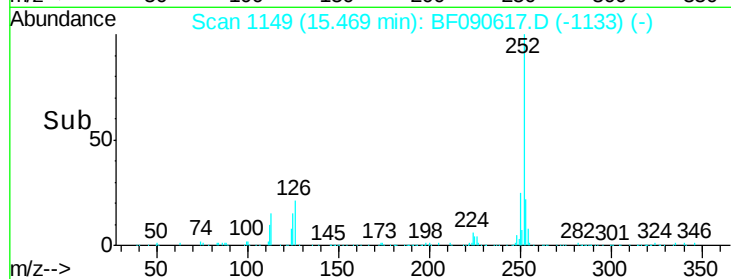
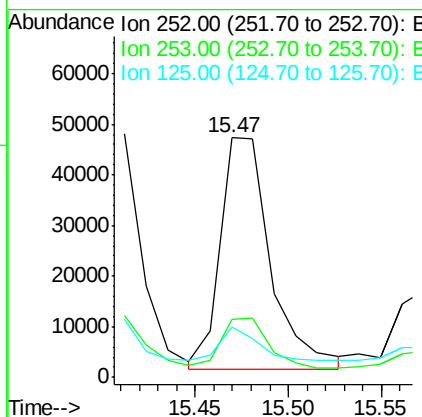
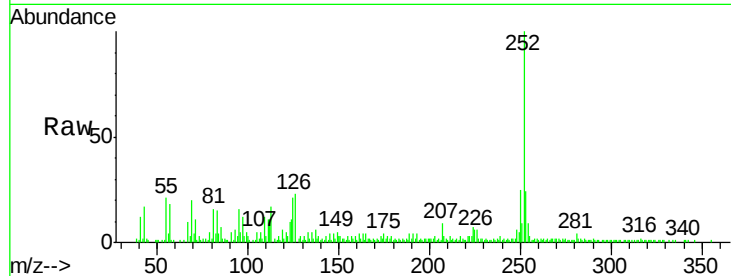
#89
Benzo(a)pyrene
Concen: 2.69 ng
RT: 15.47 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Instrument :
BNA_F
ClientSampled :
3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	20.9	12.3	18.5

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#91
Benzo(g,h,i)perylene
Concen: 2.23 ng
RT: 17.41 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.8	28.2
138	29.6	21.8	32.8

