

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
 Data File : BF090596.D
 Acq On : 15 Oct 2016 9:23
 Operator : UM/SJ
 Sample : H5227-01 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1

Manual Integrations
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Quant Time: Oct 17 01:33:01 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 14 12:44:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	237302	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	955493	20.00	ng	-0.01
38) Acenaphthene-d10	9.96	164	470972	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	603223	20.00	ng	-0.01
75) Chrysene-d12	14.10	240	519141	20.00	ng	0.00
86) Perylene-d12	15.56	264	463201	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	770580	59.53	ng	0.00
7) Phenol-d6	6.54	99	1012367	52.63	ng	-0.01
23) Nitrobenzene-d5	7.48	82	644035	37.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	133795	31.86	ng	-0.01
44) 2-Fluorobiphenyl	9.29	172	728345	25.48	ng	0.00
78) Terphenyl-d14	13.04	244	487805	21.88	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.67	163	254128	8.32	ng	98
70) Phenanthrene	11.47	178	242351	7.53	ng	100
71) Anthracene	11.53	178	103213	2.98	ng	98
74) Fluoranthene	12.66	202	311284	9.61	ng	92
77) Pyrene	12.89	202	310861	9.04	ng	99
80) Benzo(a)anthracene	14.09	228	183085m	6.20	ng	
82) Chrysene	14.12	228	167148m	5.87	ng	
85) Indeno(1,2,3-cd)pyrene	17.00	276	95018	5.77	ng	96
87) Benzo(b)fluoranthene	15.13	252	273429m	9.02	ng	
88) Benzo(k)fluoranthene	15.15	252	90700m	2.78	ng	
89) Benzo(a)pyrene	15.49	252	192707	6.94	ng	96
91) Benzo(a,h,i)perylene	17.45	276	85760	4.25	ng	97

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

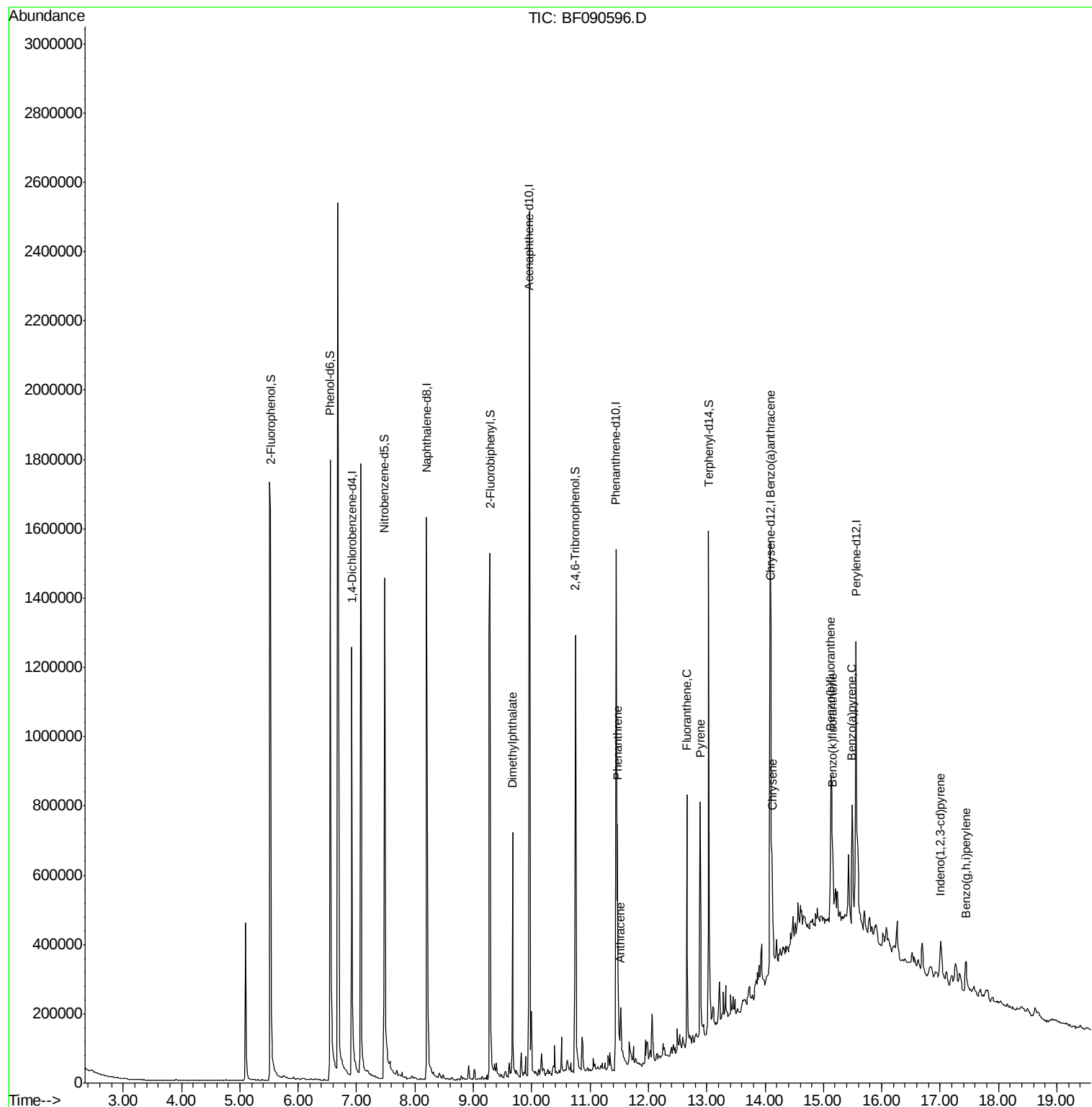
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090596.D
Acq On : 15 Oct 2016 9:23
Operator : UM/SJ
Sample : H5227-01 2X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1

Manual Integrations
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Quant Time: Oct 17 01:33:01 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 14 12:44:45 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

Instrument :

BNA_F

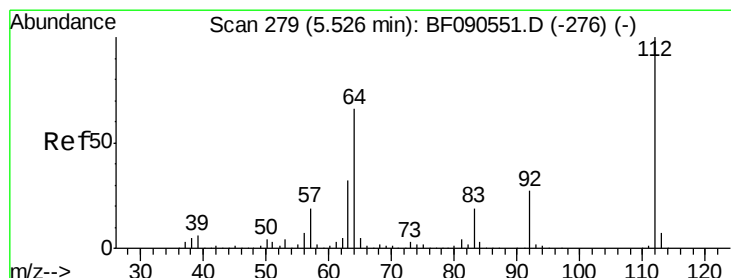
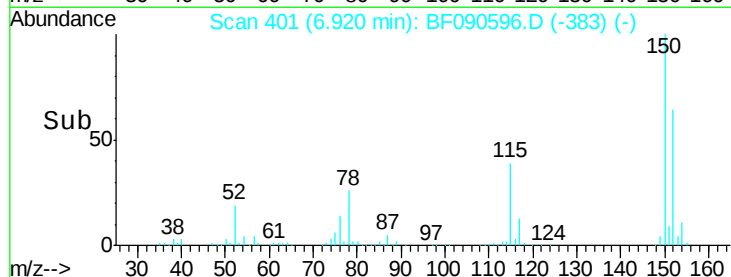
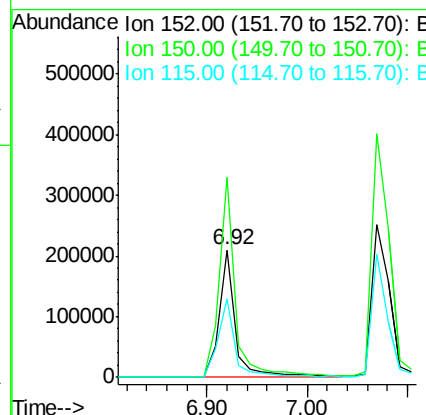
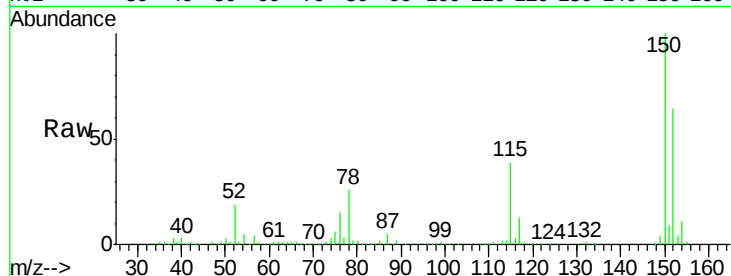
ClientSampled :

1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	127.2	190.8
115	61.1	58.6	88.0

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#5

2-Fluorophenol

Concen: 59.53 ng

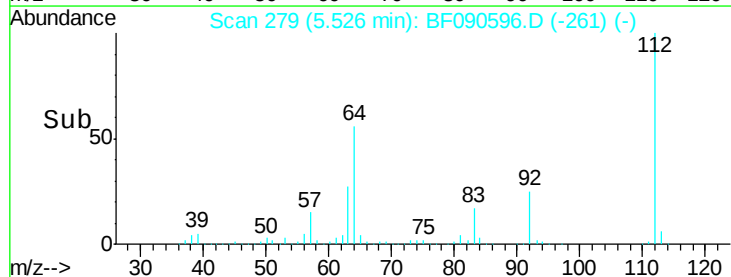
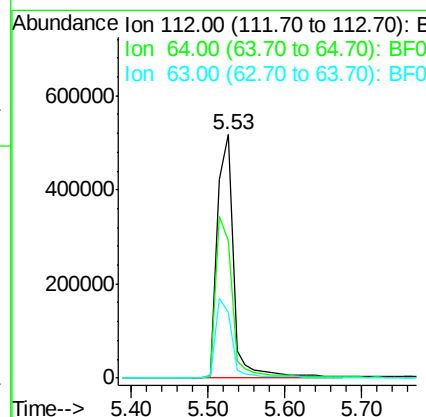
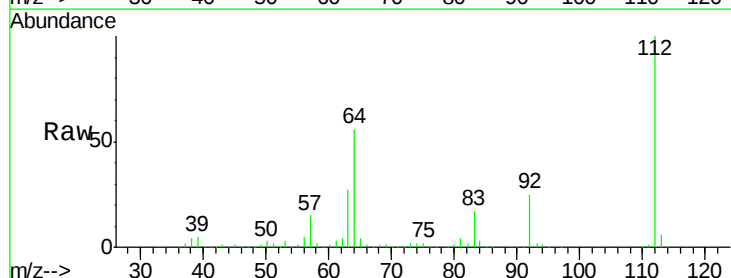
RT: 5.53 min Scan# 279

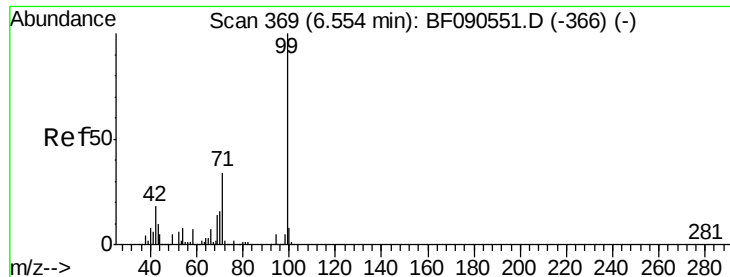
Delta R.T. 0.00 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	52.6	78.8
63	27.0	26.0	39.0





#7

Phenol-d6

Concen: 52.63 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF090596.D

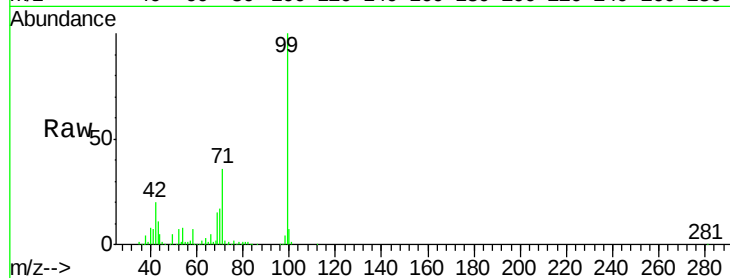
Acq: 15 Oct 2016 9:23

Instrument :

BNA_F

ClientSampleId :

1



Tot Ion: 99 Resp: 1012367

Ion Ratio Lower Upper

99 100

42 20.4 14.7 22.1

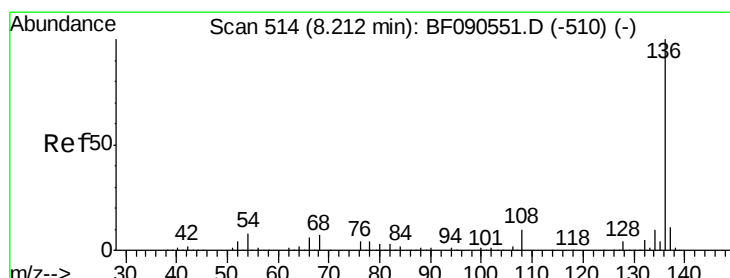
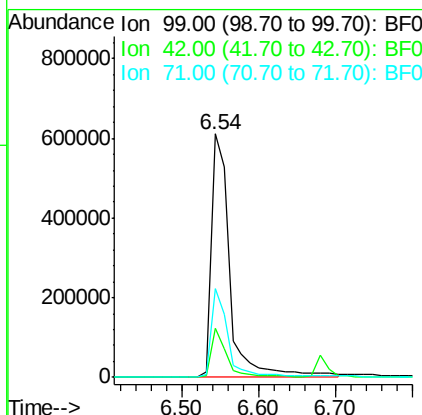
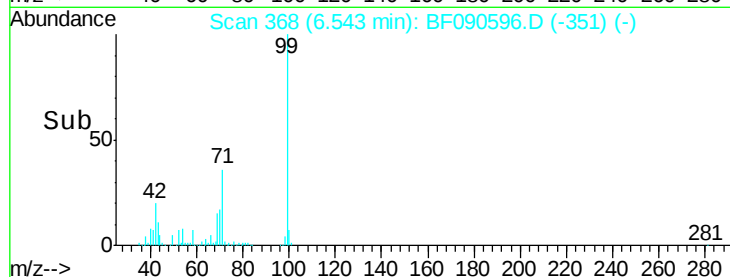
71 36.3 27.6 41.4

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

Tgt Ion: 136 Resp: 955493

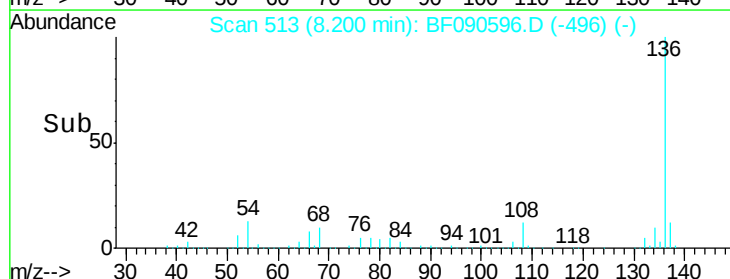
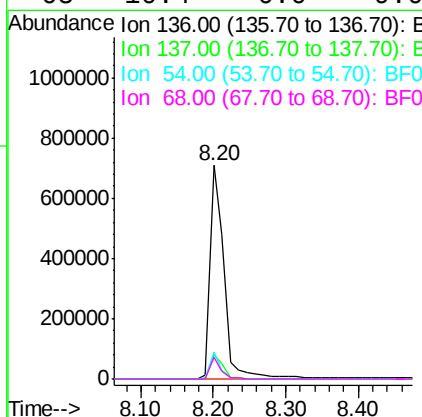
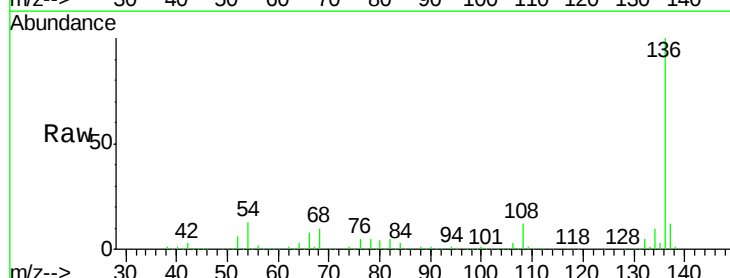
Ion Ratio Lower Upper

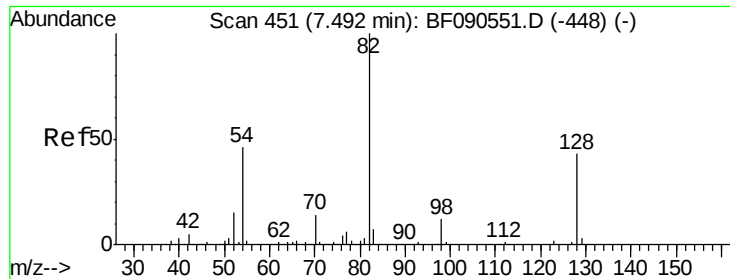
136 100

137 11.6 8.8 13.2

54 12.8 6.8 10.2#

68 10.4 6.0 9.0#





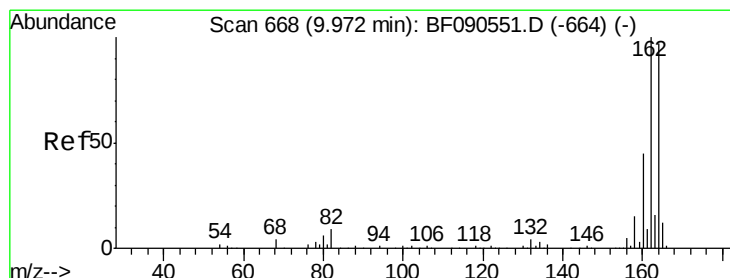
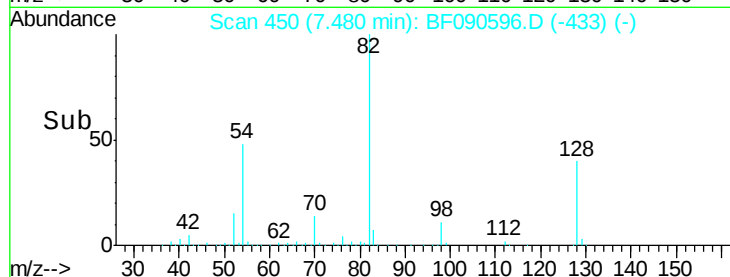
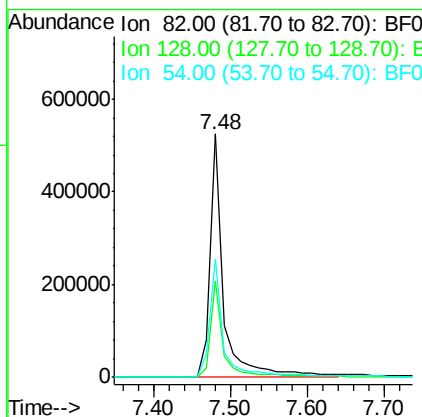
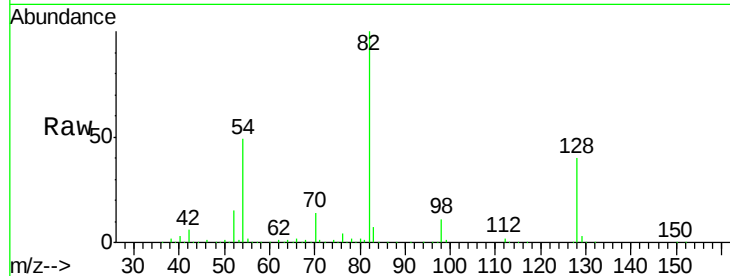
#23
Nitrobenzene-d5
Concen: 37.44 ng
RT: 7.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Instrument :
BNA_F
ClientSampled :
1

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.8	34.3	51.5
54	48.5	37.0	55.6

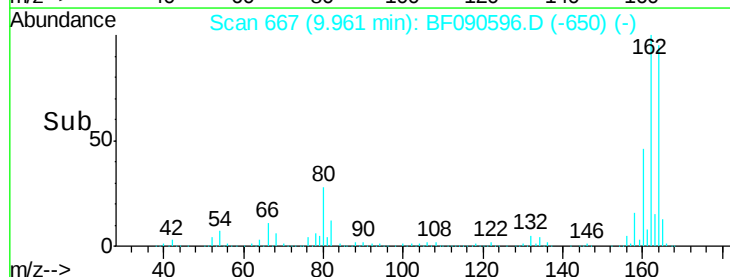
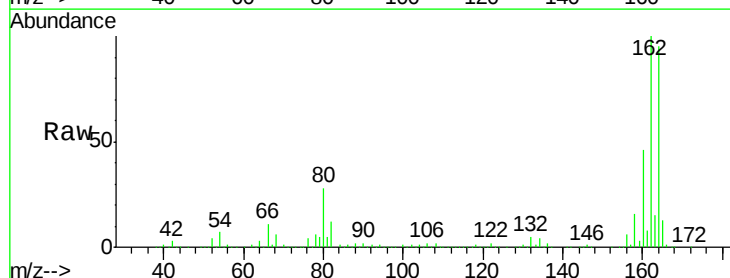
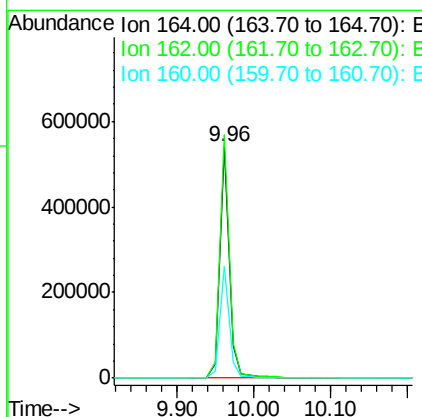
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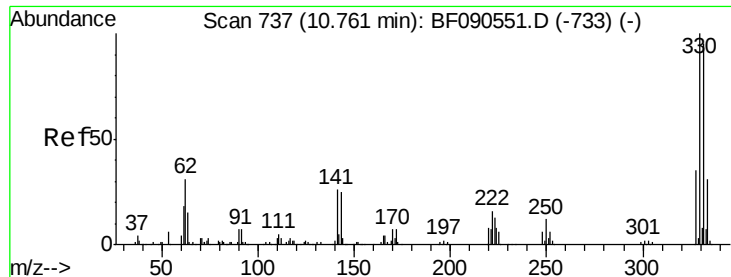
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 667
Delta R.T. -0.01 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	82.2	123.4
160	48.3	36.6	55.0





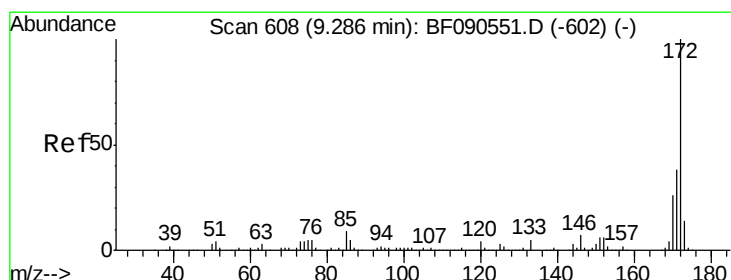
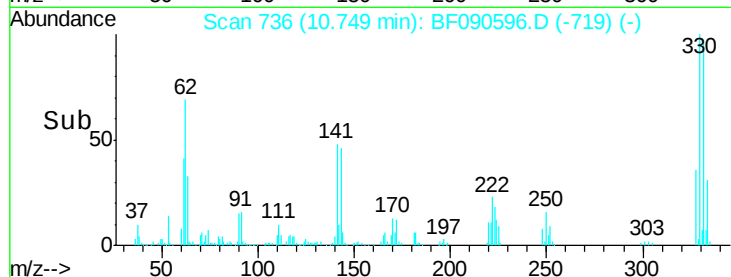
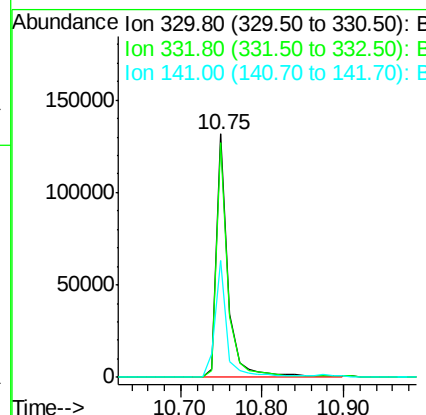
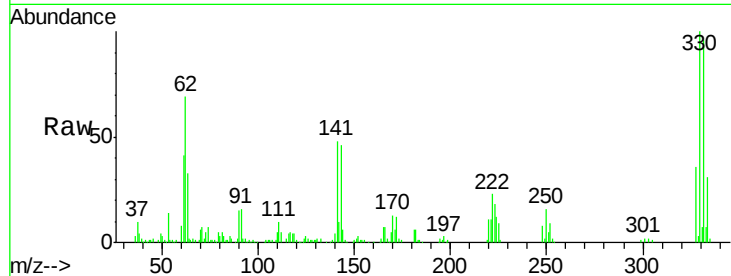
#41
 2,4,6-Tribromophenol
 Concen: 31.86 ng
 RT: 10.75 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: BF090596.D
 Acq: 15 Oct 2016 9:23

Instrument :
 BNA_F
 ClientSampled :
 1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	133795		
332	96.3		76.2	114.2
141	49.7		31.4	47.2#

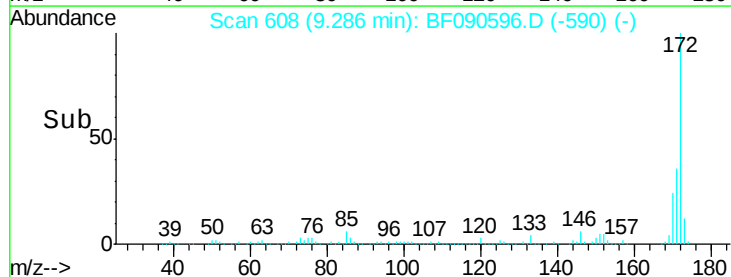
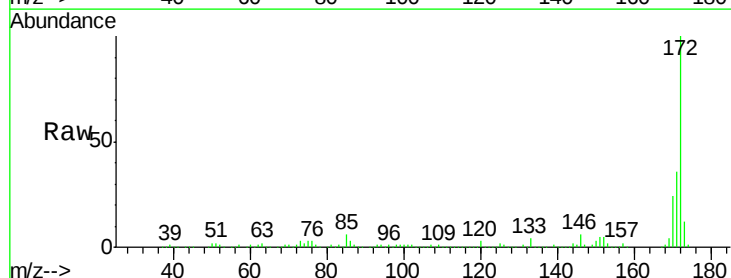
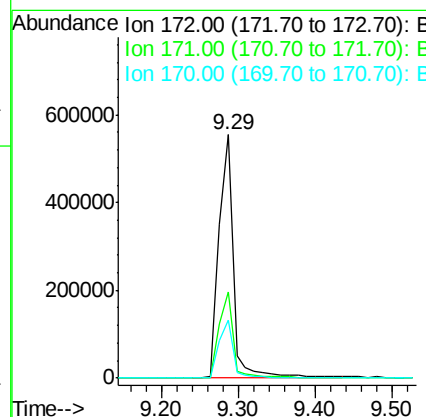
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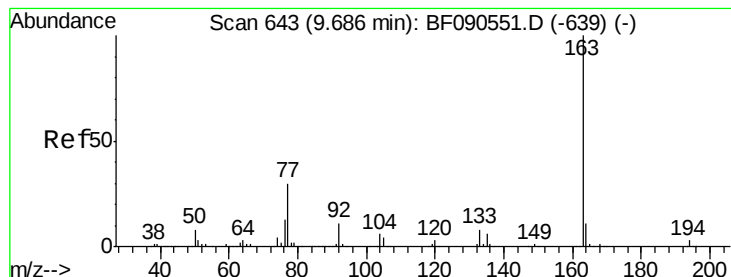
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#44
 2-Fluorobiphenyl
 Concen: 25.48 ng
 RT: 9.29 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: BF090596.D
 Acq: 15 Oct 2016 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	728345		
171	35.5		30.1	45.1
170	23.7		20.6	30.8





#49

Dimethylphthalate

Concen: 8.32 ng

RT: 9.67 min Scan# 642

Delta R.T. -0.01 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

Instrument :

BNA_F

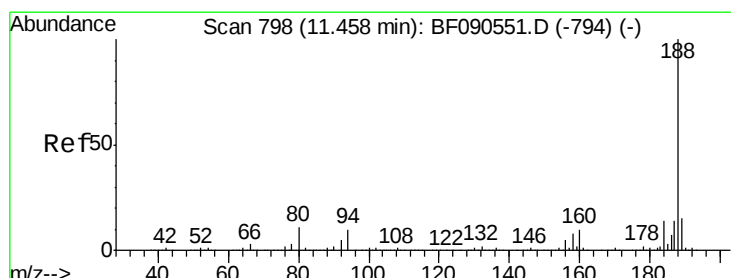
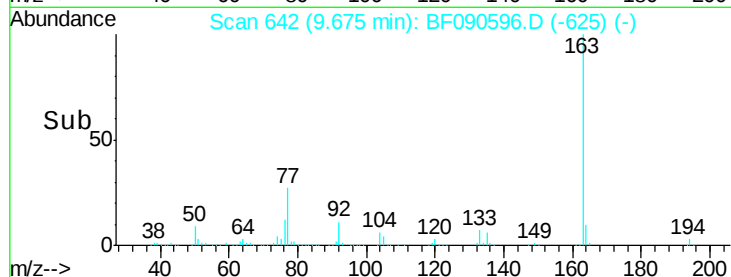
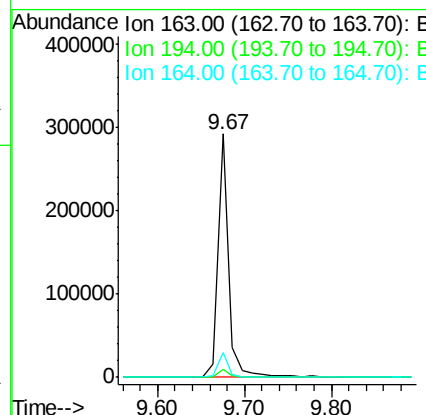
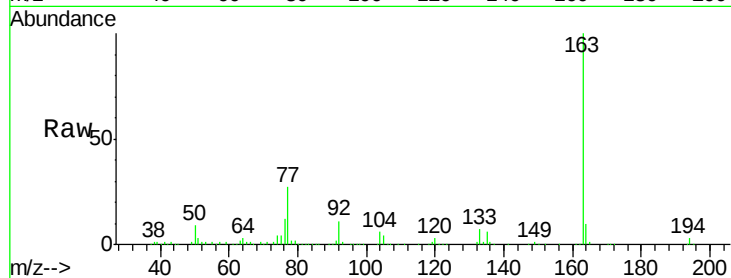
ClientSampled :

1

Tot Ion:	163	Resp:	254128
Ion Ratio		Lower	Upper
163	100		
194	3.2	2.3	3.5
164	10.1	8.6	13.0

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#63

Phenanthrene-d10

Concen: 20.00 ng

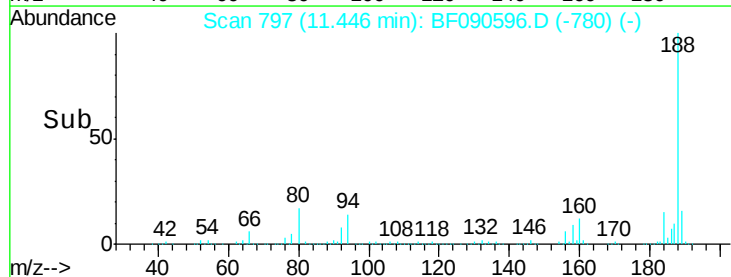
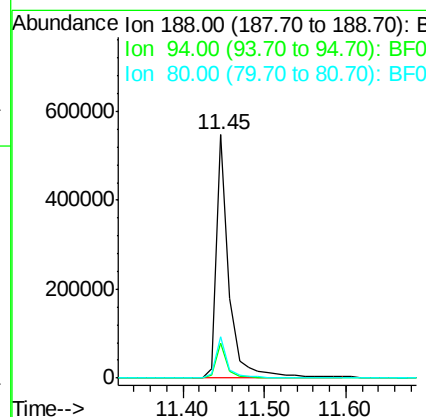
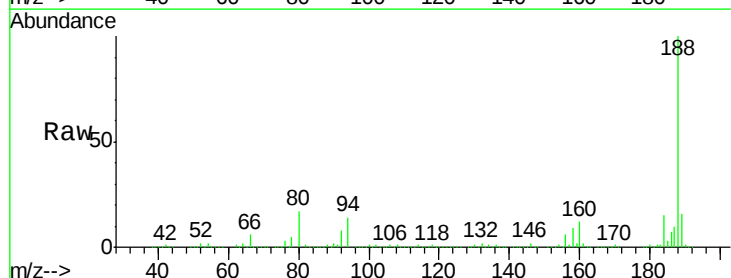
RT: 11.45 min Scan# 797

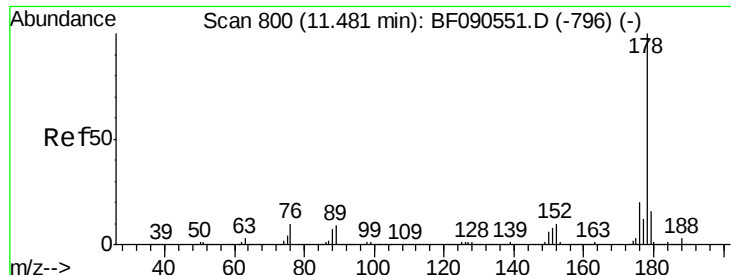
Delta R.T. -0.01 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

Tgt Ion:	188	Resp:	603223
Ion Ratio		Lower	Upper
188	100		
94	14.3	7.7	11.5#
80	17.1	8.6	12.8#





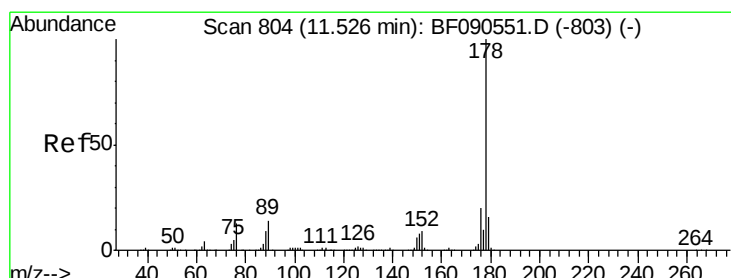
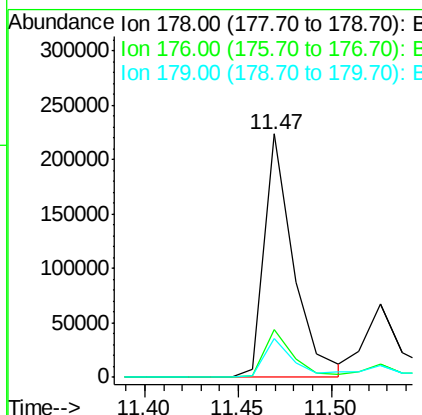
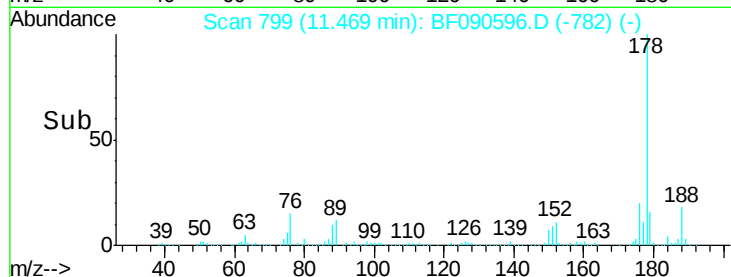
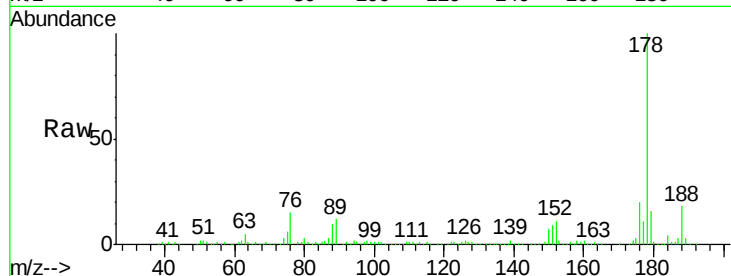
#70
Phenanthrene
Concen: 7.53 ng
RT: 11.47 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Instrument :
BNA_F
ClientSampleId :
1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.1	24.1
179	15.9	12.6	19.0

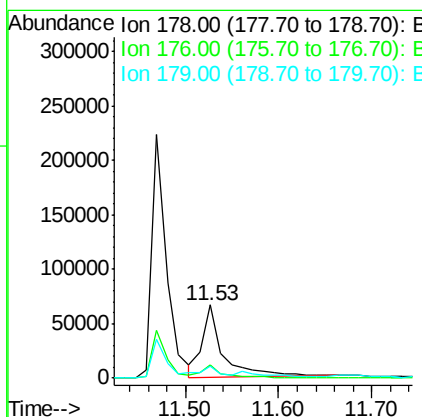
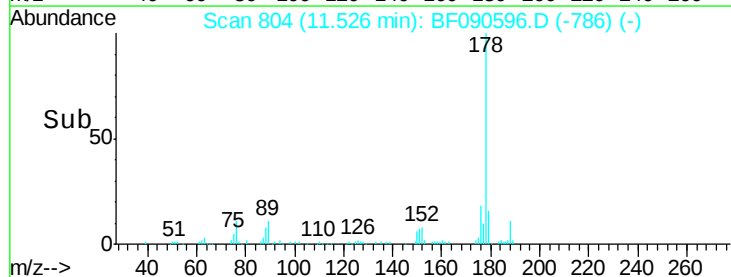
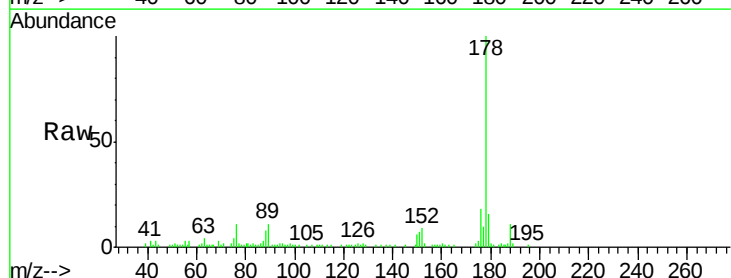
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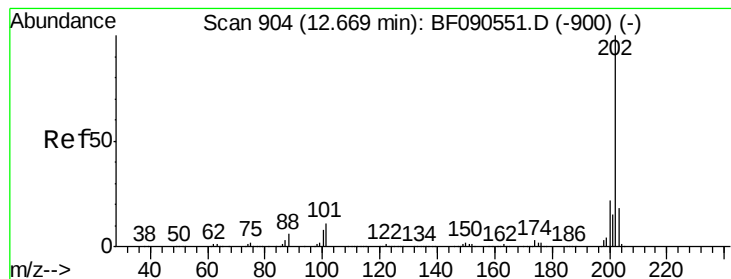
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#71
Anthracene
Concen: 2.98 ng
RT: 11.53 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.5	23.3
179	16.1	13.0	19.4





#74

Fluoranthene

Concen: 9.61 ng

RT: 12.66 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

Instrument :

BNA_F

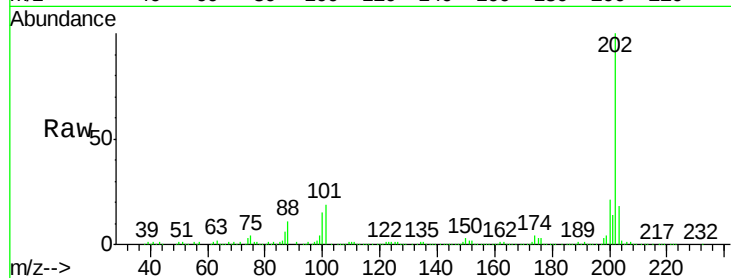
ClientSampled :

1

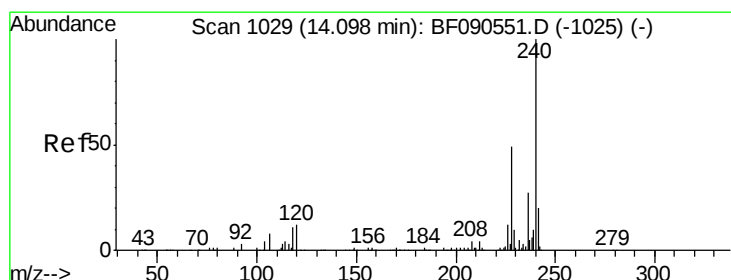
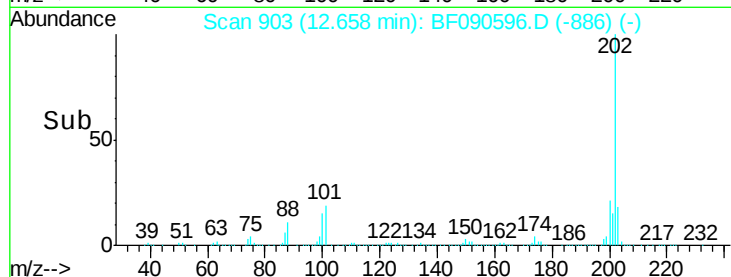
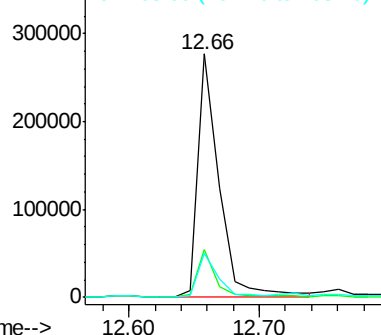
Tot Ion:	202	Resp:	311284
Ion Ratio	Lower	Upper	
202	100		
101	19.4	0.0	31.1
203	18.0	0.0	38.0

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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

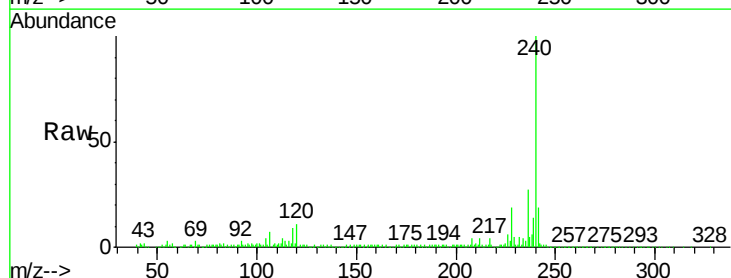
RT: 14.10 min Scan# 1029

Delta R.T. 0.00 min

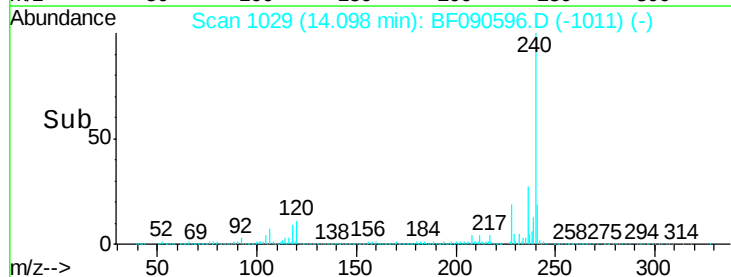
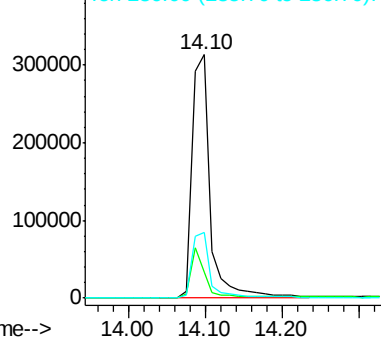
Lab File: BF090596.D

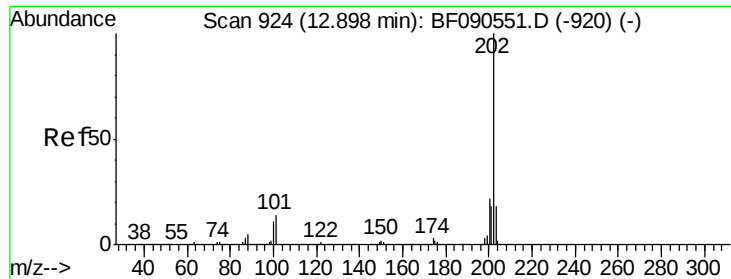
Acq: 15 Oct 2016 9:23

Tgt Ion:	240	Resp:	519141
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.8	14.8
236	26.9	21.7	32.5



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





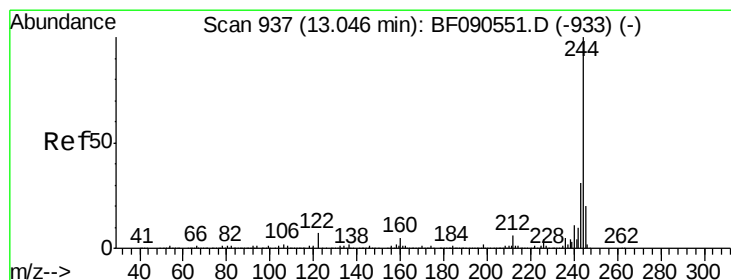
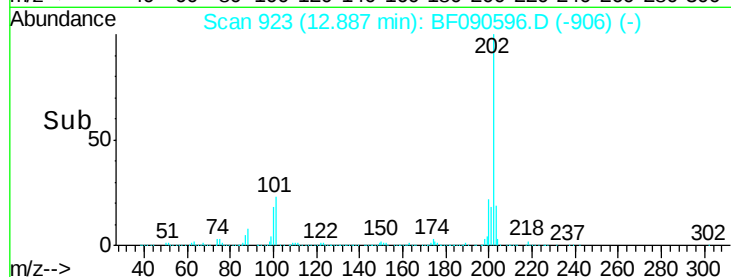
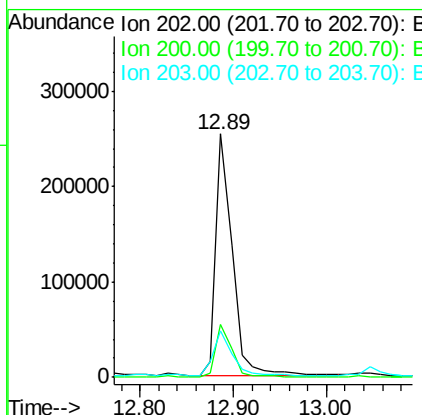
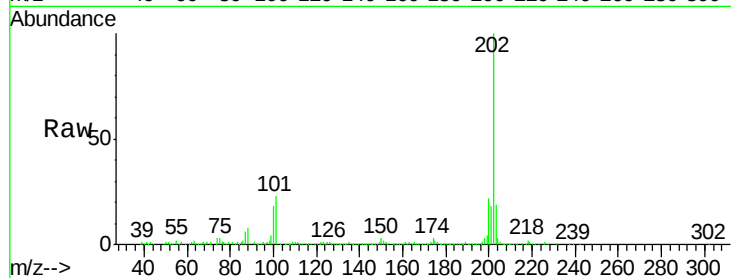
#77
Pvrene
Concen: 9.04 ng
RT: 12.89 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Instrument :
BNA_F
ClientSampled :
1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.0	17.8	26.6
203	19.3	14.6	21.8

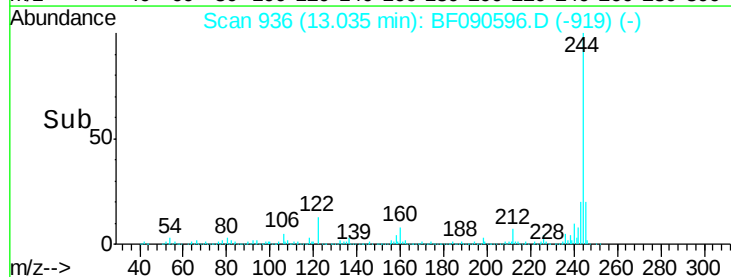
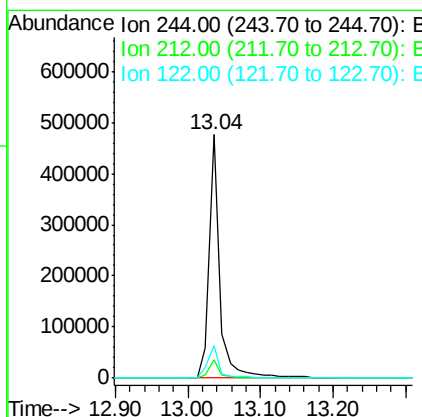
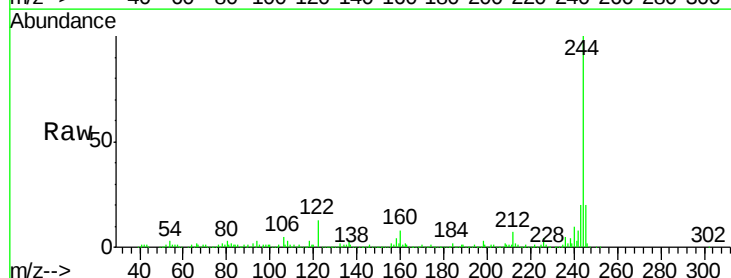
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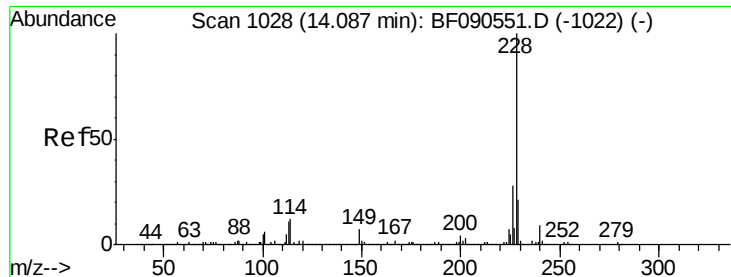
sohil
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#78
Terphenyl-d14
Concen: 21.88 ng
RT: 13.04 min Scan# 936
Delta R.T. -0.01 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.0	7.4
122	13.4	5.6	8.4#





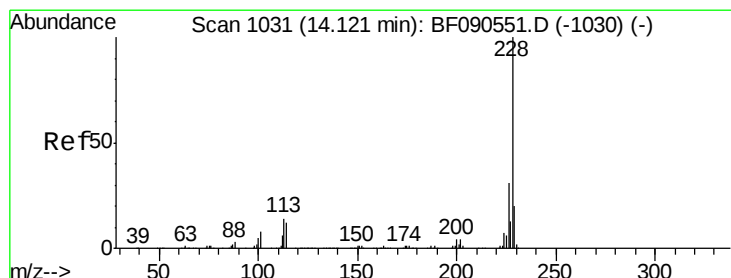
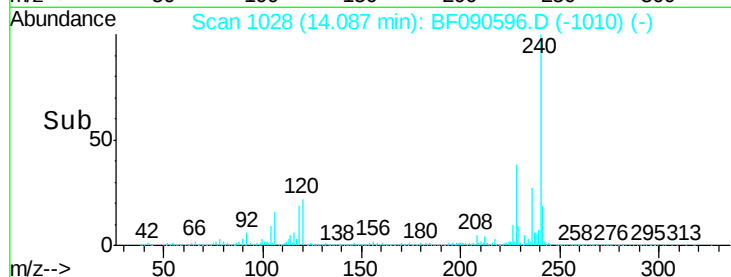
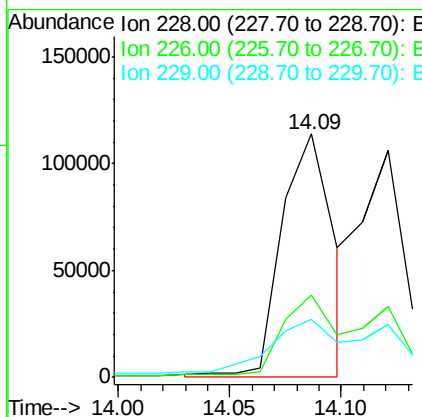
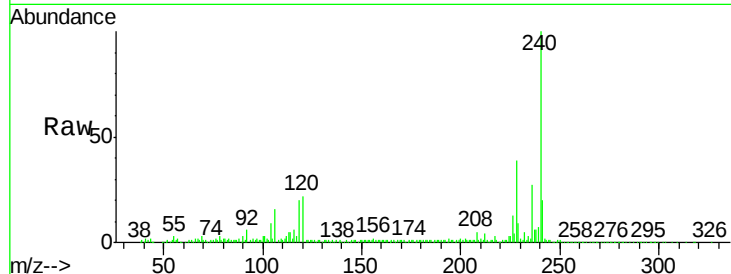
#80
Benzo(a)anthracene
Concen: 6.20 ng m
RT: 14.09 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Instrument :
BNA_F
ClientSampled :
1

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.6	22.8	34.2
229	23.9	16.6	25.0

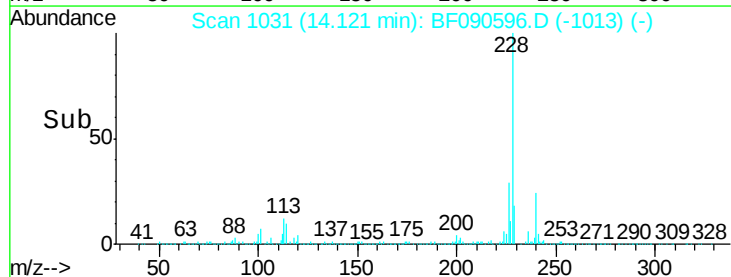
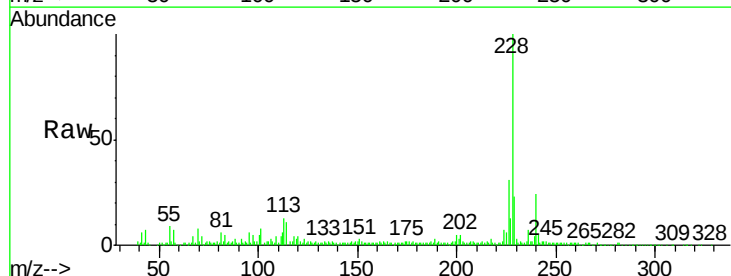
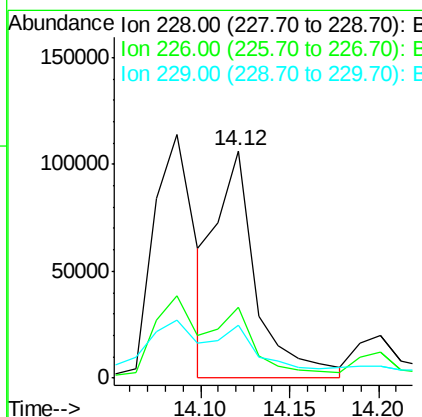
Manual Integrations
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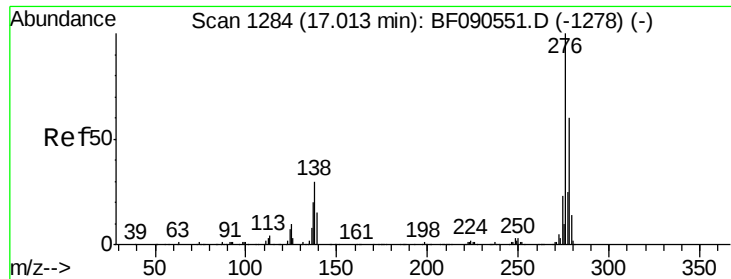
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#82
Chrysene
Concen: 5.87 ng m
RT: 14.12 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.8	37.2
229	23.4	16.2	24.4





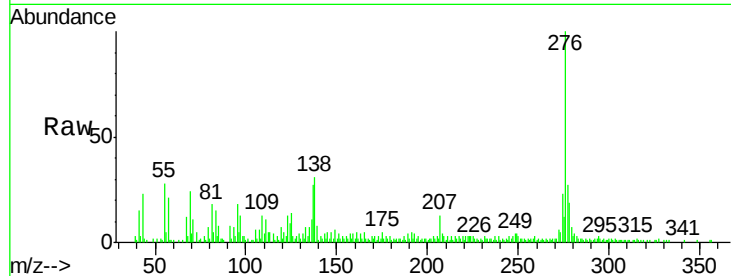
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.77 ng
RT: 17.00 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Instrument :
BNA_F
ClientSampled :
1

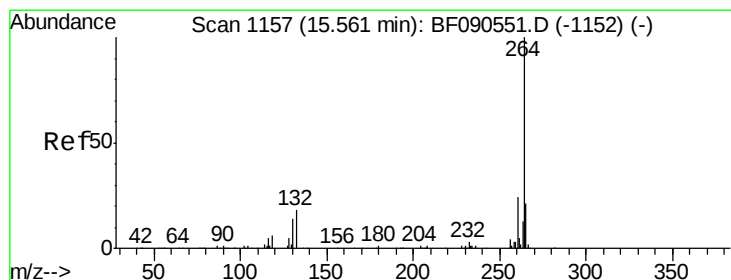
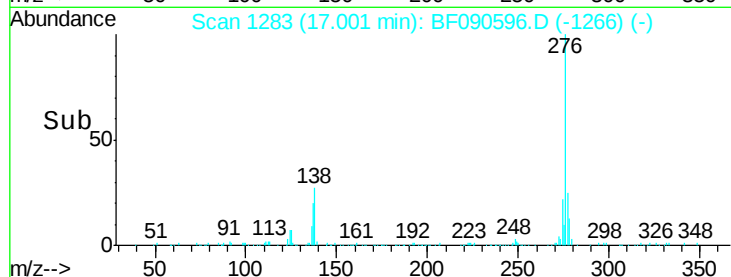
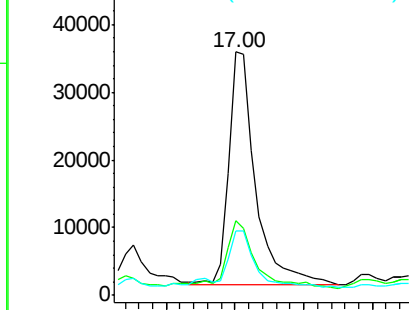
Tot Ion	Ratio	Lower	Upper
276	100		
138	33.1	25.8	38.6
277	28.5	20.1	30.1

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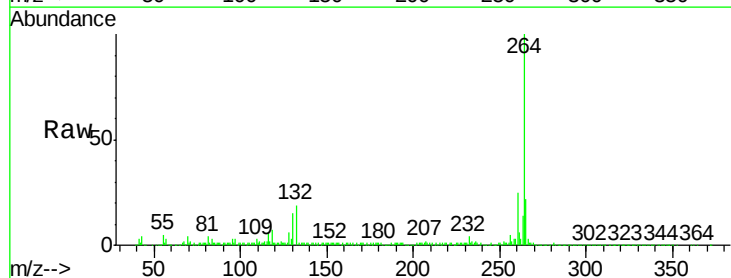


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

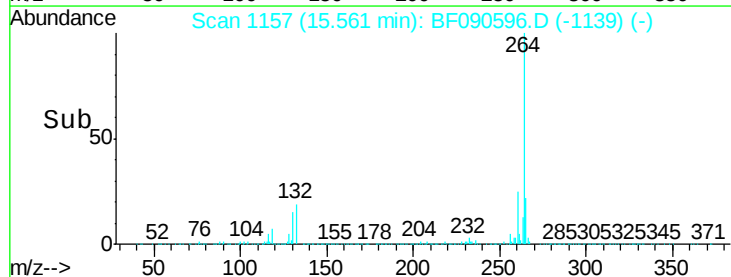
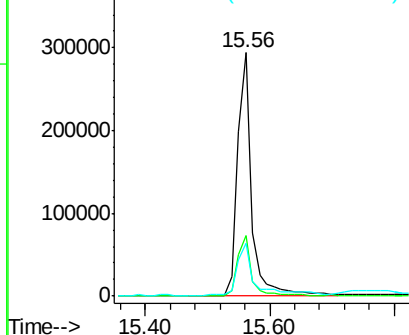


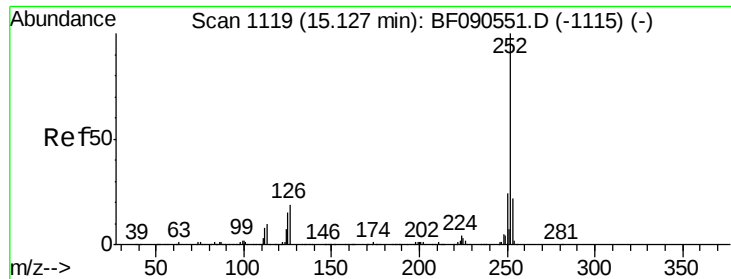
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.3	28.9
265	21.9	16.7	25.1



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: 9.02 ng m

RT: 15.13 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

Instrument :

BNA_F

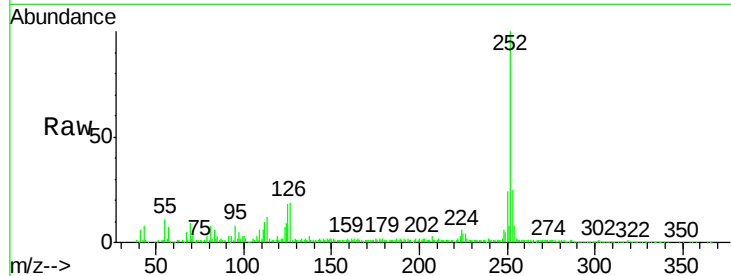
ClientSampled :

1

Tot Ion	Ratio	Resp	Lower	Upper
252	100	273429		
253	25.0		17.8	26.8
125	18.0		12.0	18.0

Manual Integrations
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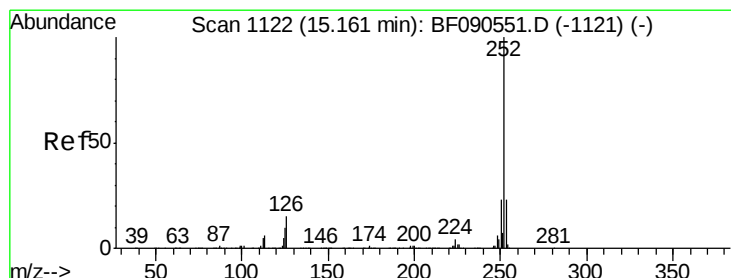
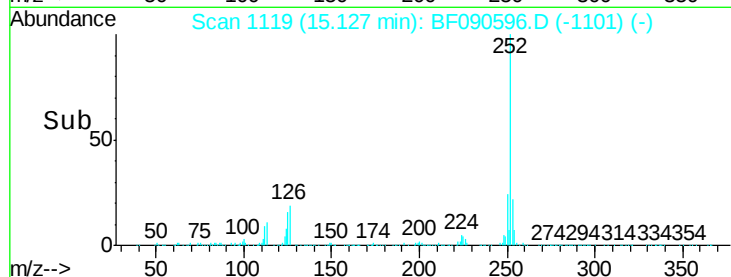
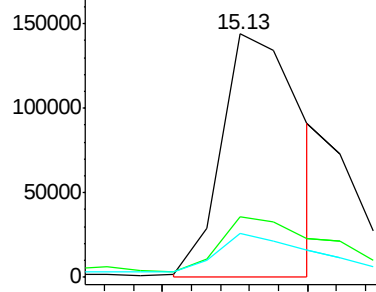


Abundance

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



#88

Benzo(k)fluoranthene

Concen: 2.78 ng m

RT: 15.15 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

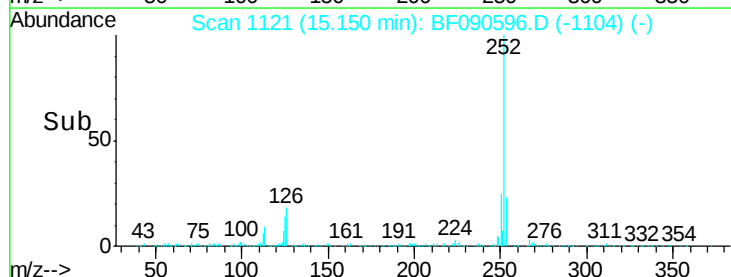
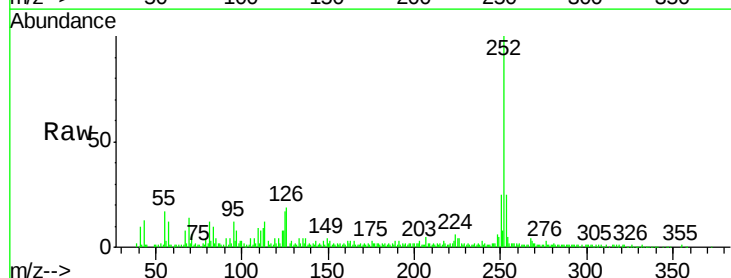
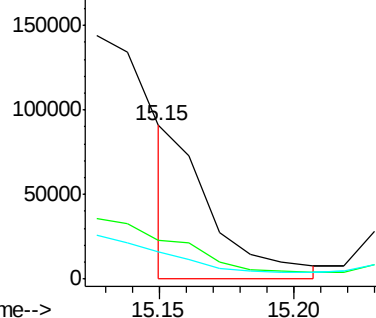
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	90700		
253	25.3		18.0	27.0
125	17.5		10.0	15.0#

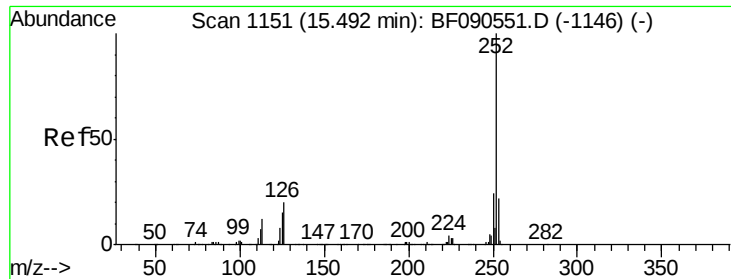
Abundance

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





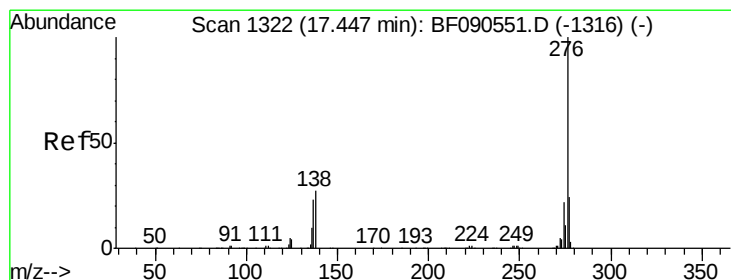
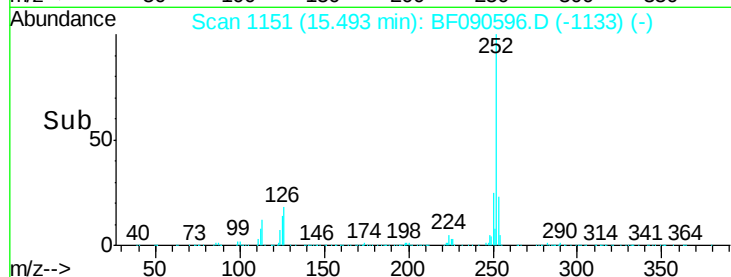
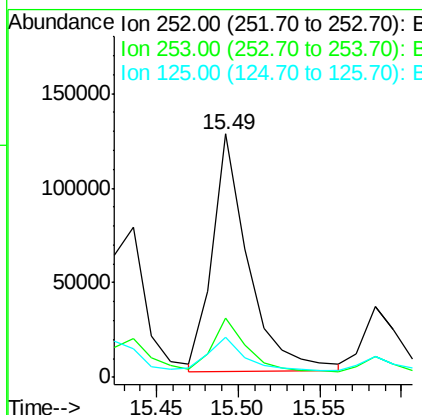
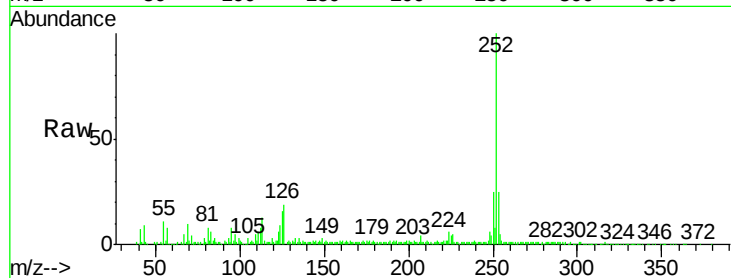
#89
Benzo(a)pyrene
Concen: 6.94 ng
RT: 15.49 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Instrument :
BNA_F
ClientSampled :
1

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.6	17.9	26.9
125	16.5	12.3	18.5

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.25 ng
RT: 17.45 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.9	18.8	28.2
138	29.1	21.8	32.8

