

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101716\
 Data File : BF090620.D
 Acq On : 17 Oct 2016 21:02
 Operator : UM/SJ
 Sample : H5227-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1

Manual Integrations
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SOHIL
 10/18/2016 6:05:53 PM

Quant Time: Oct 18 01:41:54 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	371393	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	1475942	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	697565	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	974522	20.00	ng	0.00
75) Chrysene-d12	14.09	240	944999	20.00	ng	0.00
86) Perylene-d12	15.55	264	794954	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1224066	60.42	ng	0.00
7) Phenol-d6	6.54	99	1613530	53.60	ng	0.00
23) Nitrobenzene-d5	7.47	82	918533	34.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	234138	37.65	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1188307	28.07	ng	0.00
78) Terphenyl-d14	13.02	244	767972	18.92	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.66	163	363221	8.03	ng	99
70) Phenanthrene	11.47	178	399383	7.68	ng	98
71) Anthracene	11.51	178	171097	3.06	ng	99
74) Fluoranthene	12.66	202	539943	10.32	ng	99
77) Pyrene	12.89	202	561611	8.97	ng	98
80) Benzo(a)anthracene	14.08	228	296831m	5.52	ng	
82) Chrysene	14.11	228	326352m	6.30	ng	
85) Indeno(1,2,3-cd)pyrene	16.99	276	160219	5.35	ng	94
87) Benzo(b)fluoranthene	15.13	252	465302m	8.94	ng	
88) Benzo(k)fluoranthene	15.15	252	195526m	3.49	ng	
89) Benzo(a)pyrene	15.48	252	340691	7.15	ng	# 94
91) Benzo(a,h,i)perylene	17.44	276	145518	4.20	ng	97

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

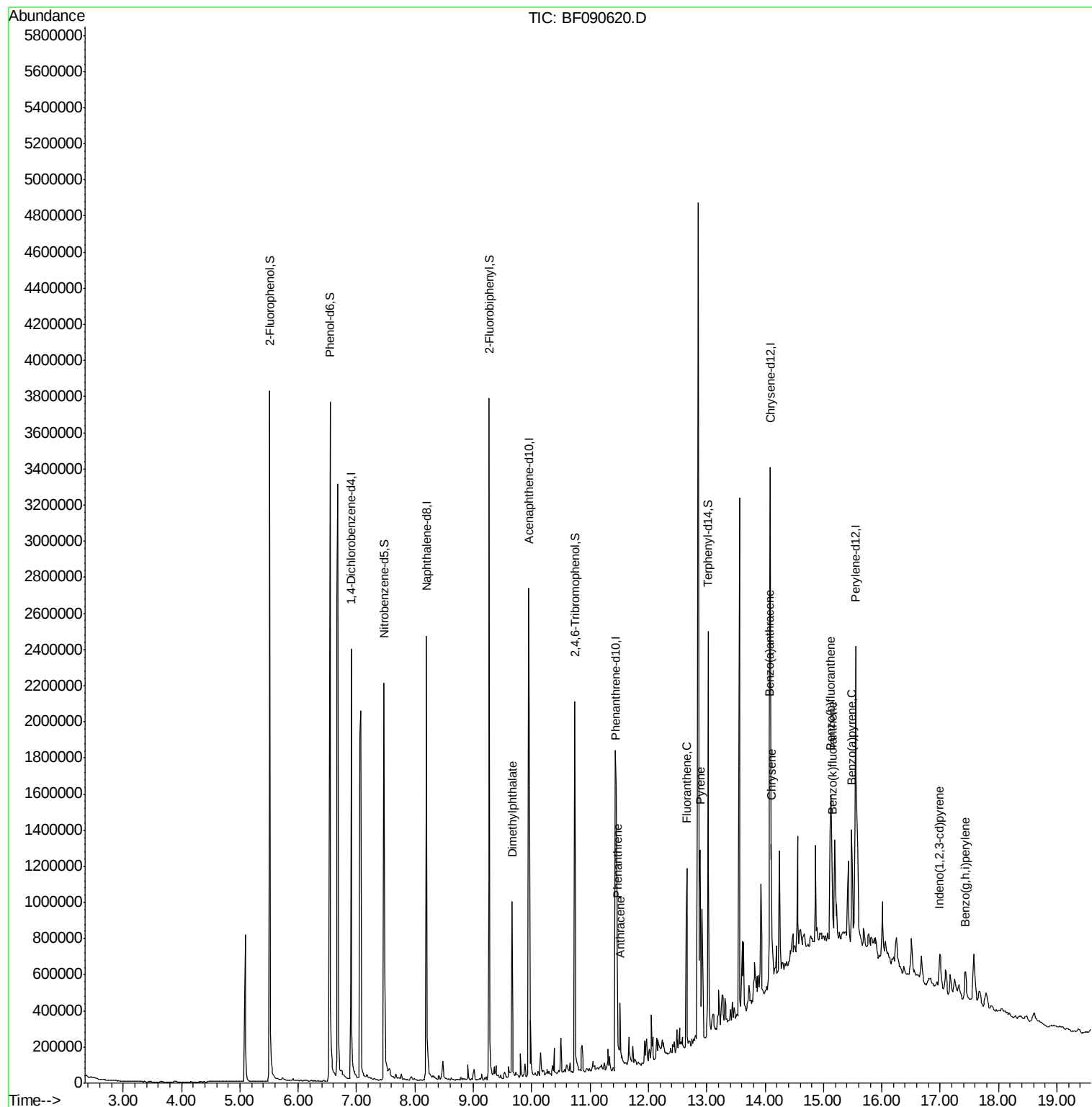
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101716\
Data File : BF090620.D
Acq On : 17 Oct 2016 21:02
Operator : UM/SJ
Sample : H5227-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

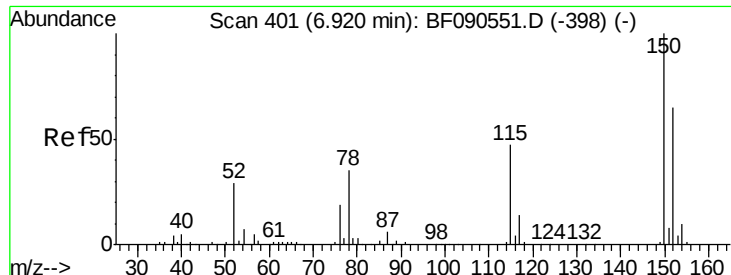
Instrument :
BNA_F
ClientSampleId :
1

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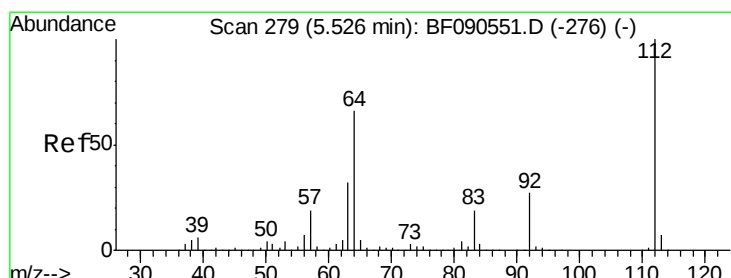
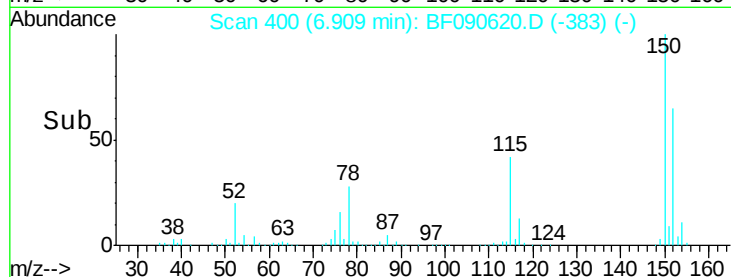
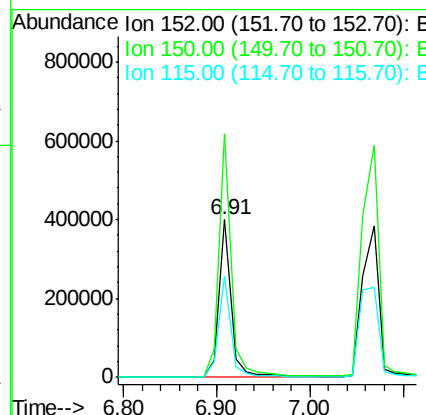
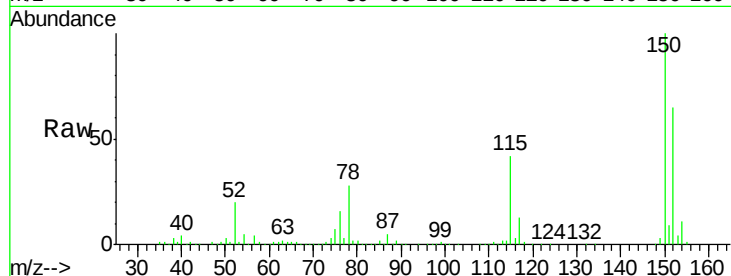
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.91 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: BF090620.D
 Acq: 17 Oct 2016 21:02

Instrument :
 BNA_F
 ClientSampled :
 1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	127.2	190.8
115	64.3	58.6	88.0

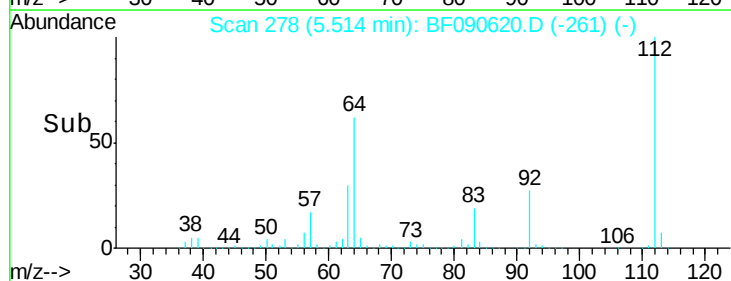
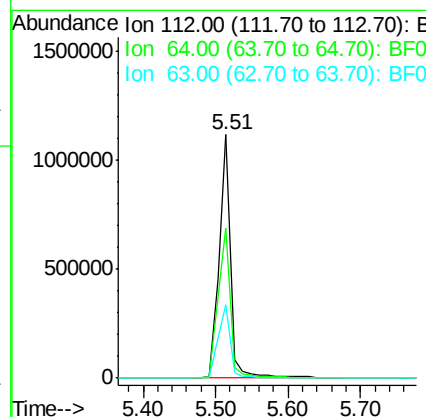
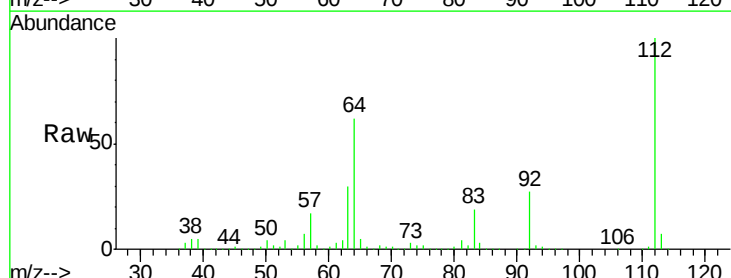
Manual Integrations
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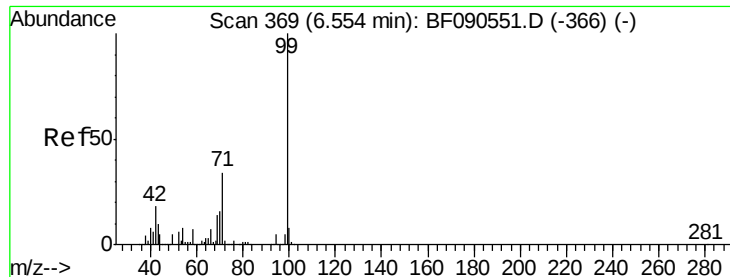
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#5
 2-Fluorophenol
 Concen: 60.42 ng
 RT: 5.51 min Scan# 278
 Delta R.T. -0.00 min
 Lab File: BF090620.D
 Acq: 17 Oct 2016 21:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	52.6	78.8
63	30.4	26.0	39.0





#7

Phenol-d6

Concen: 53.60 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF090620.D

Acq: 17 Oct 2016 21:02

Instrument :

BNA_F

ClientSampleId :

1

Tot Ion: 99 Resp: 1613530

Ion Ratio Lower Upper

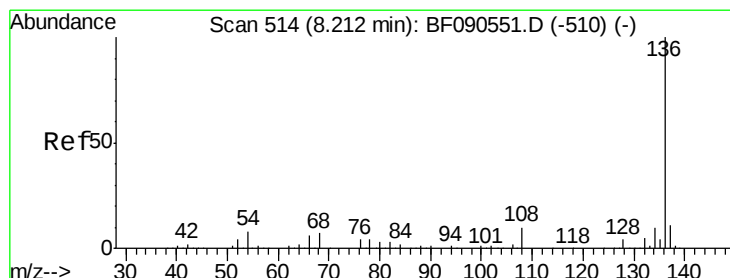
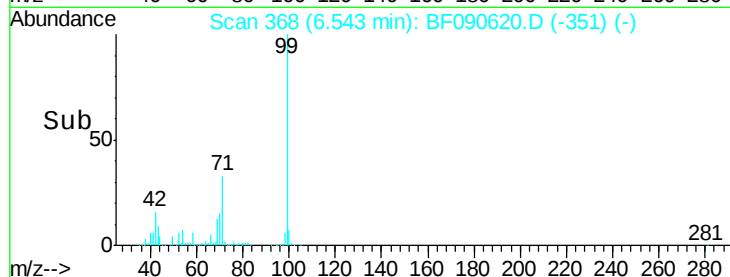
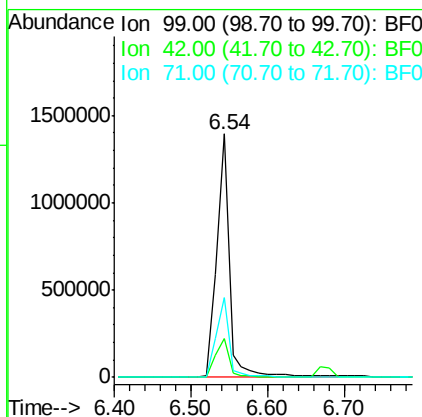
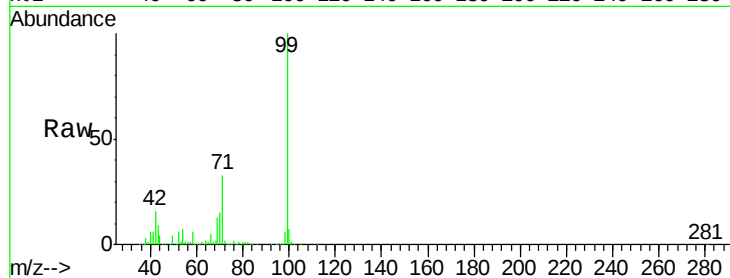
99 100

42 16.0 14.7 22.1

71 33.0 27.6 41.4

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 513

Delta R.T. -0.00 min

Lab File: BF090620.D

Acq: 17 Oct 2016 21:02

Tgt Ion: 136 Resp: 1475942

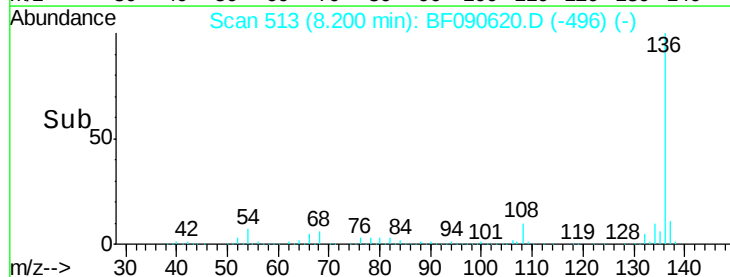
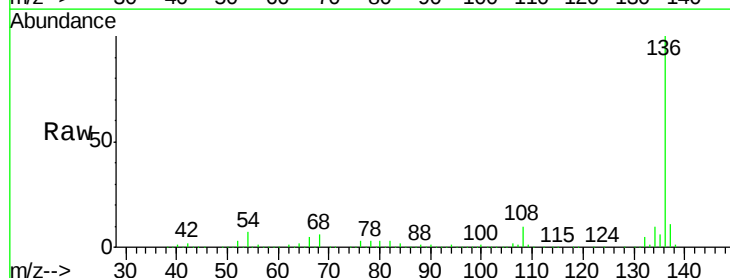
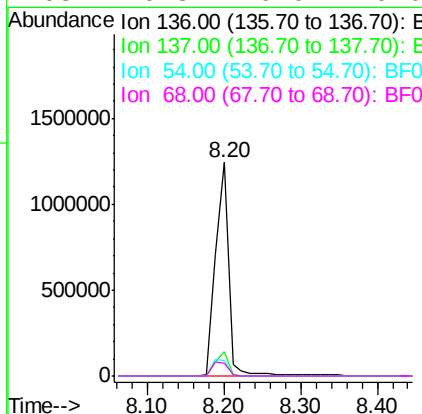
Ion Ratio Lower Upper

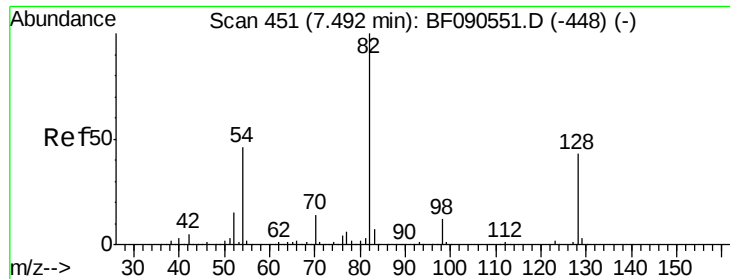
136 100

137 11.2 8.8 13.2

54 7.1 6.8 10.2

68 6.3 6.0 9.0





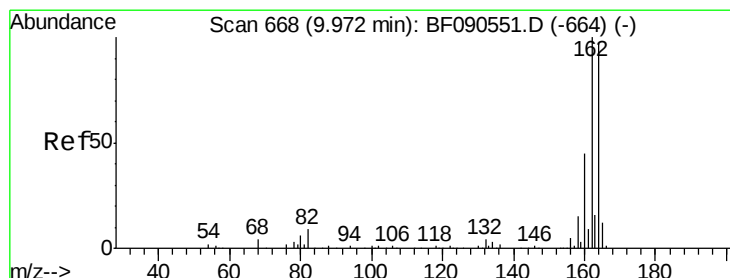
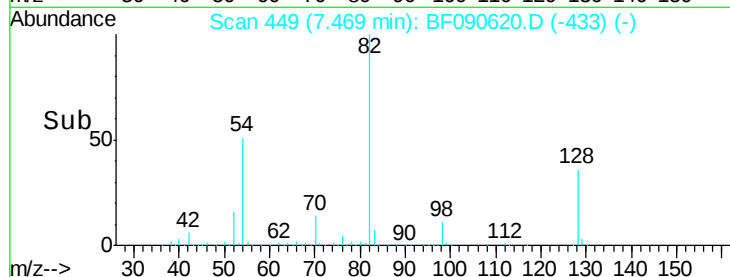
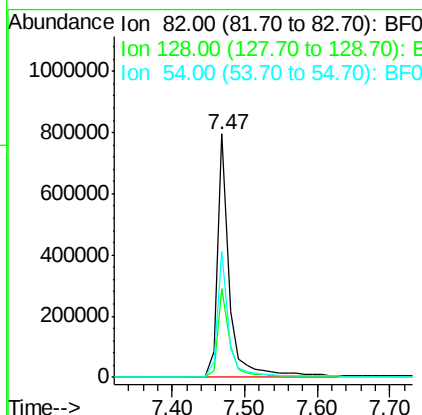
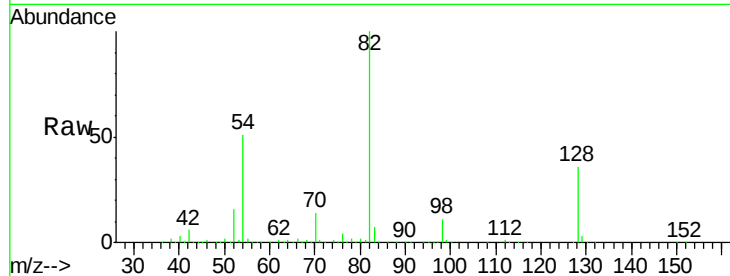
#23
 Nitrobenzene-d5
 Concen: 34.57 ng
 RT: 7.47 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: BF090620.D
 Acq: 17 Oct 2016 21:02

Instrument :
 BNA_F
 ClientSampled :
 1

Tot Ion	82	Resp	918533
Ion Ratio	100	Lower	Upper
82	100		
128	36.3	34.3	51.5
54	51.4	37.0	55.6

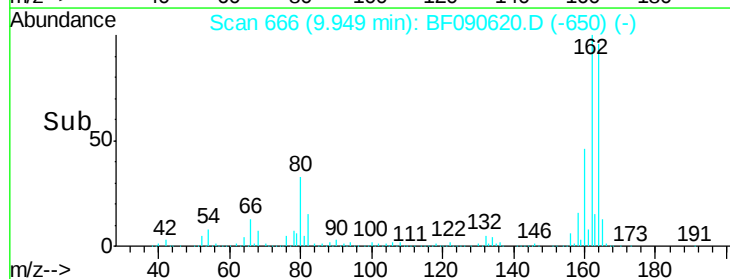
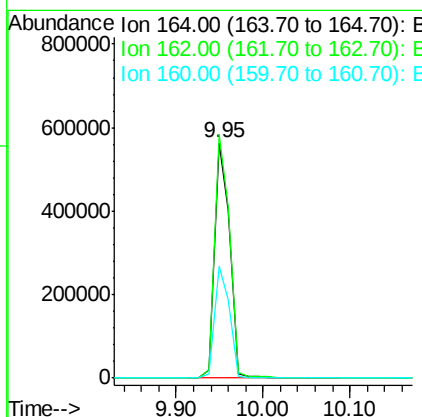
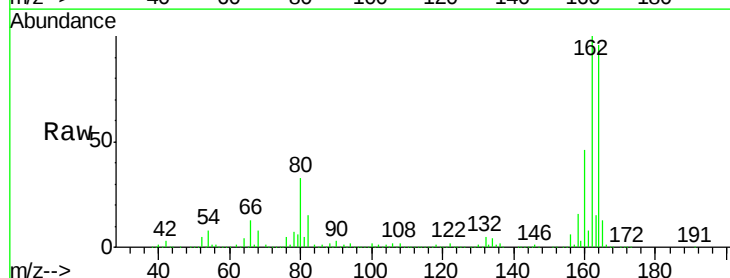
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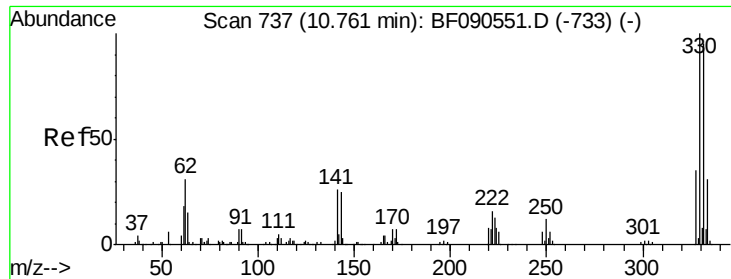
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF090620.D
 Acq: 17 Oct 2016 21:02

Tgt Ion	164	Resp	697565
Ion Ratio	100	Lower	Upper
164	100		
162	103.8	82.2	123.4
160	47.5	36.6	55.0





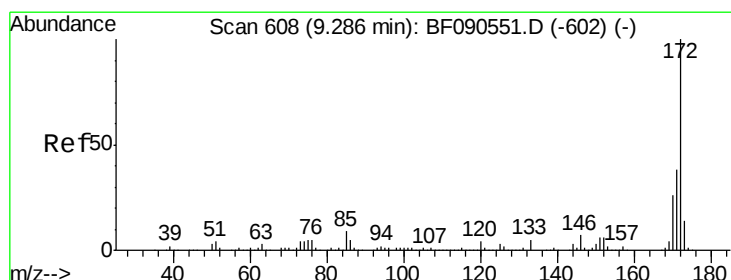
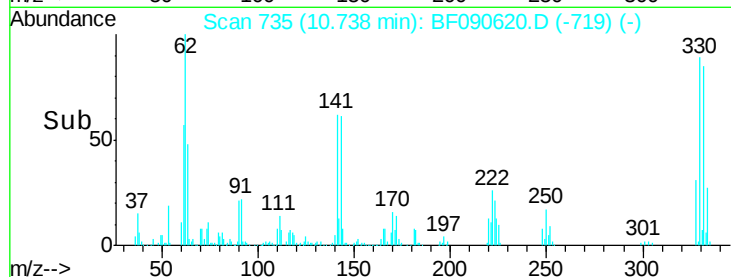
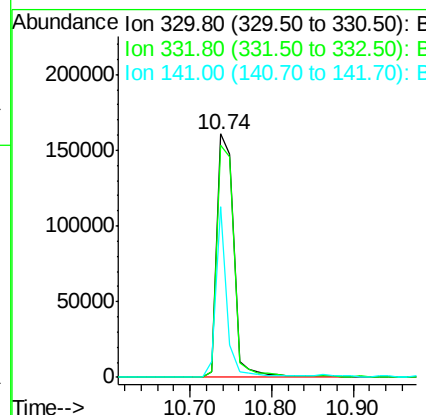
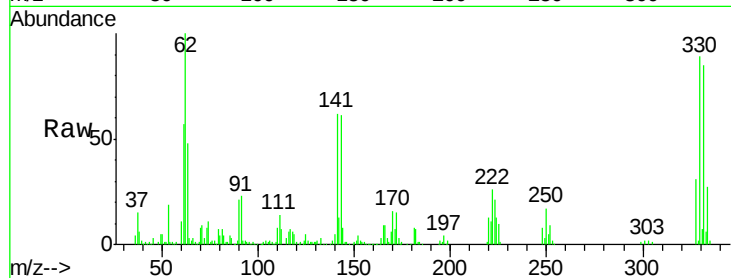
#41
 2,4,6-Tribromophenol
 Concen: 37.65 ng
 RT: 10.74 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: BF090620.D
 Acq: 17 Oct 2016 21:02

Instrument :
 BNA_F
 ClientSampled :
 1

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.2	114.2
141	45.5	31.4	47.2

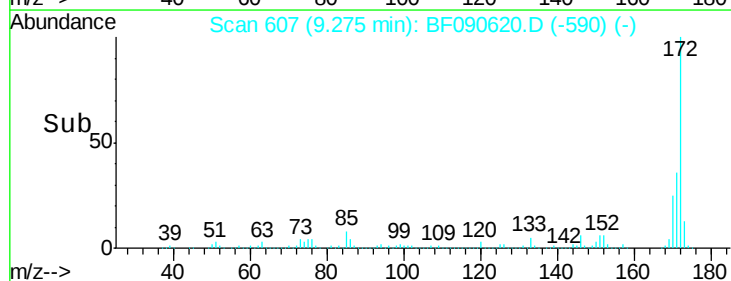
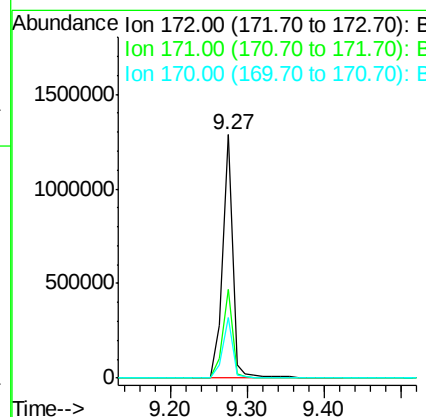
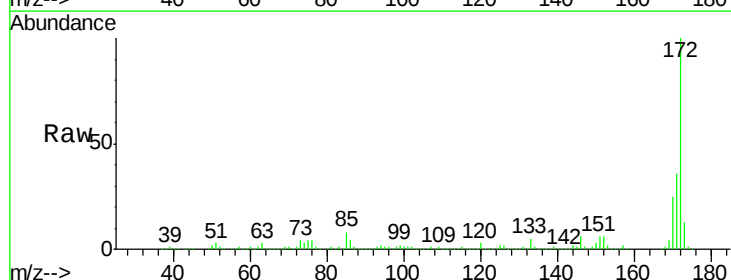
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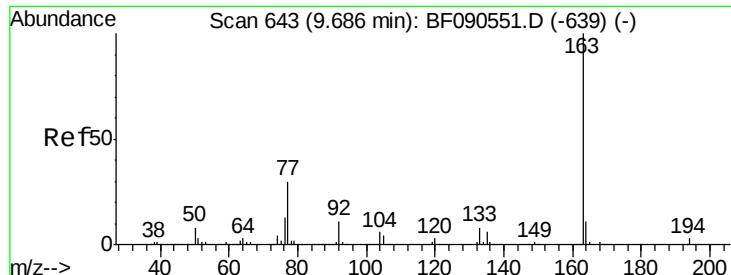
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#44
 2-Fluorobiphenyl
 Concen: 28.07 ng
 RT: 9.27 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: BF090620.D
 Acq: 17 Oct 2016 21:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.1	45.1
170	24.8	20.6	30.8





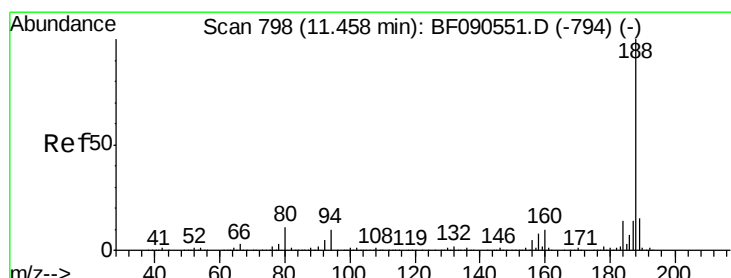
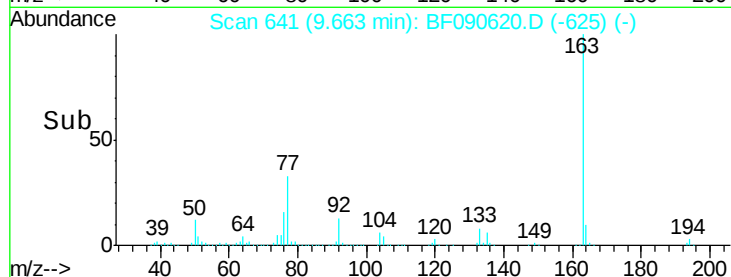
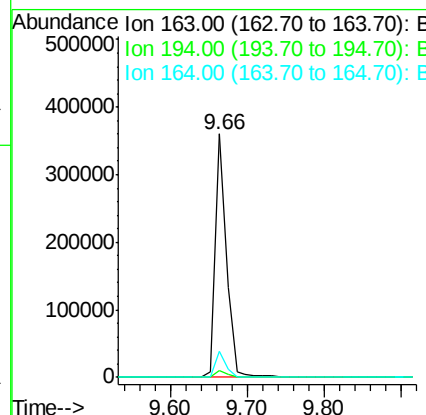
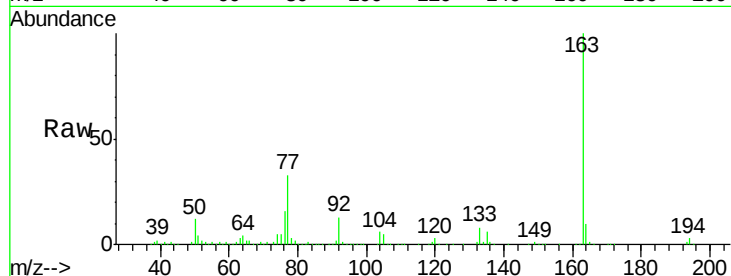
#49
Dimethylphthalate
Concen: 8.03 ng
RT: 9.66 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Instrument :
BNA_F
ClientSampled :
1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		363221		
194	2.9		2.3	3.5	
164	10.5		8.6	13.0	

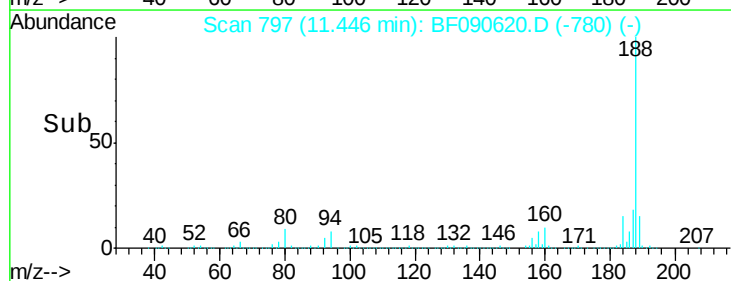
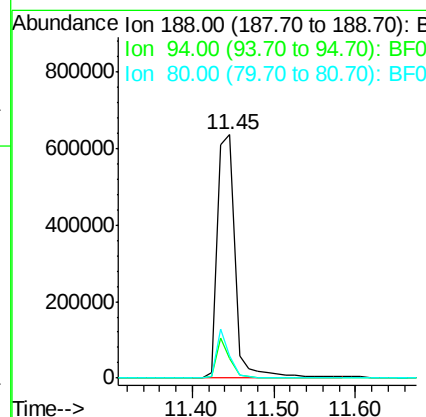
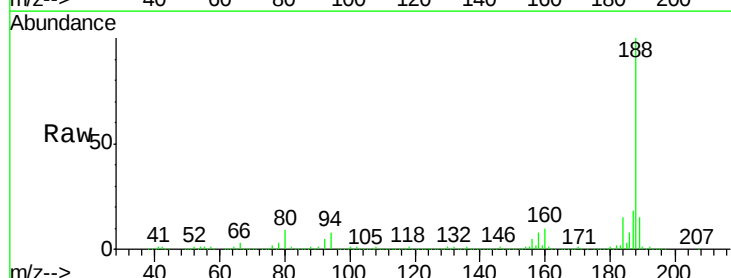
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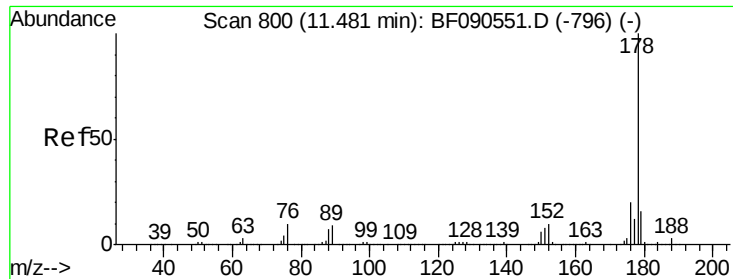
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 797
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		974522		
94	8.2		7.7	11.5	
80	9.1		8.6	12.8	





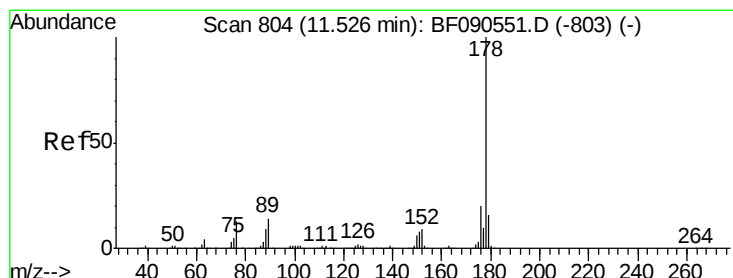
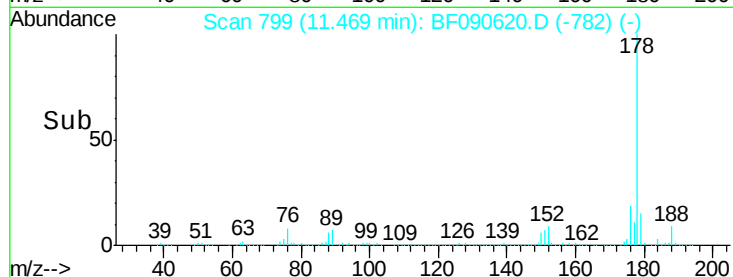
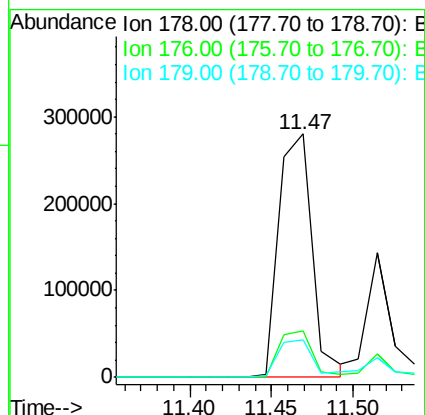
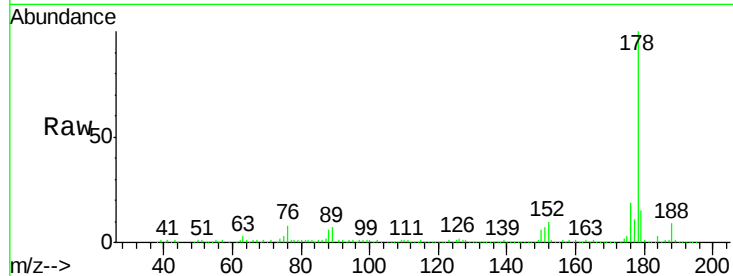
#70
Phenanthrene
Concen: 7.68 ng
RT: 11.47 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Instrument :
BNA_F
ClientSampled :
1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.1	24.1
179	15.2	12.6	19.0

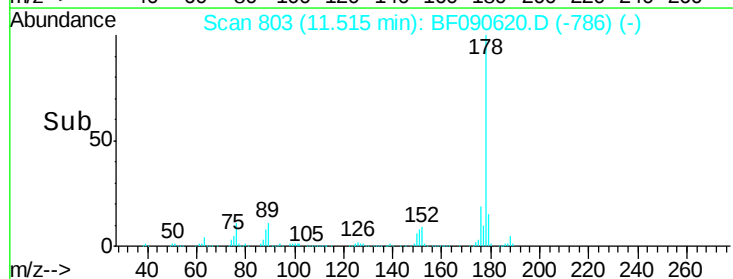
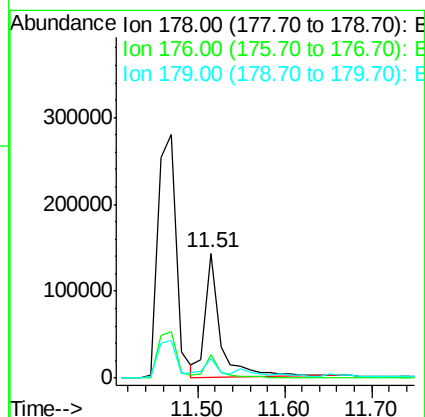
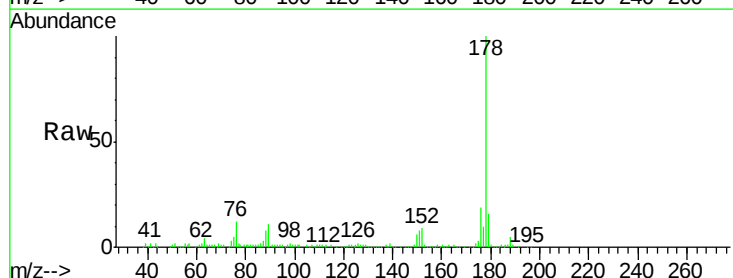
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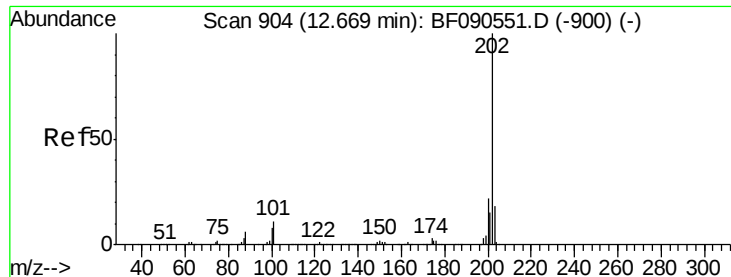
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#71
Anthracene
Concen: 3.06 ng
RT: 11.51 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.7	13.0	19.4





#74

Fluoranthene

Concen: 10.32 ng

RT: 12.66 min Scan# 903

Delta R.T. -0.00 min

Lab File: BF090620.D

Acq: 17 Oct 2016 21:02

Instrument :

BNA_F

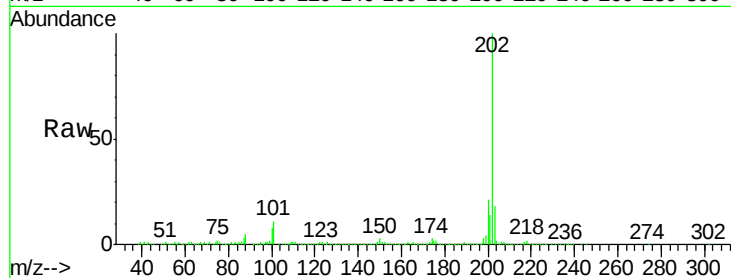
ClientSampleId :

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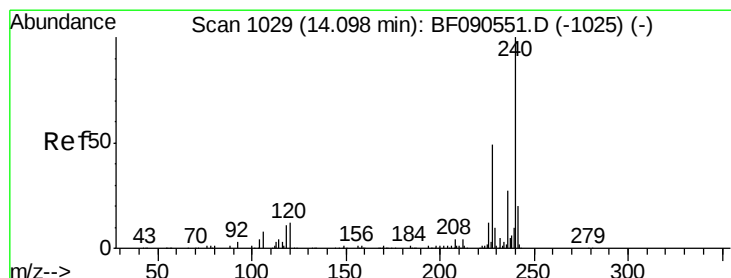
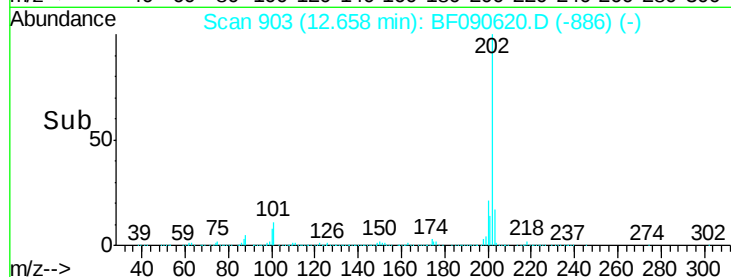
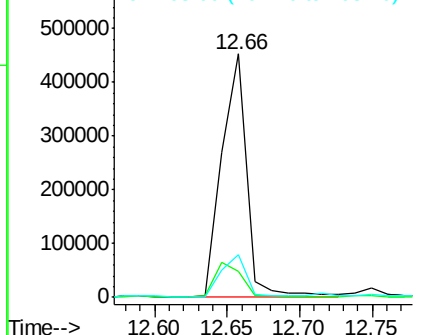
Tot Ion:	202	Resp:	539943
Ion Ratio		Lower	Upper
202	100		
101	10.8	0.0	31.1
203	17.6	0.0	38.0

Manual Integrations
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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

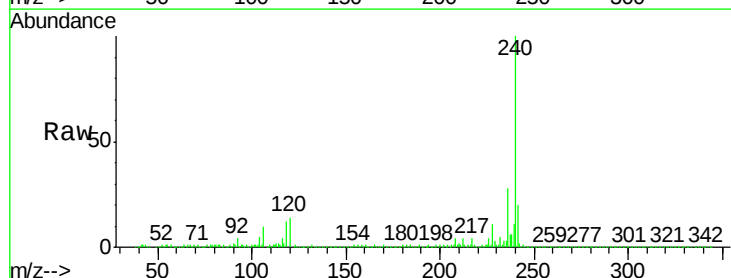
RT: 14.09 min Scan# 1028

Delta R.T. -0.00 min

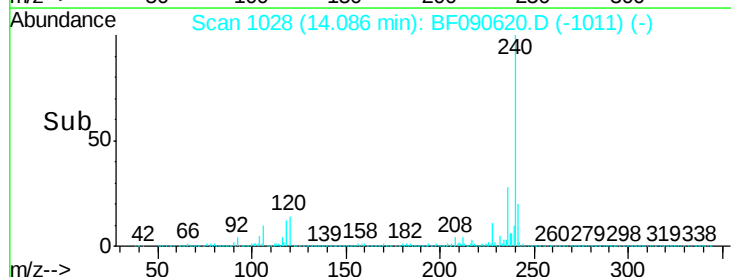
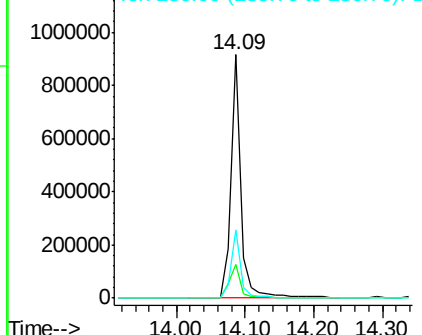
Lab File: BF090620.D

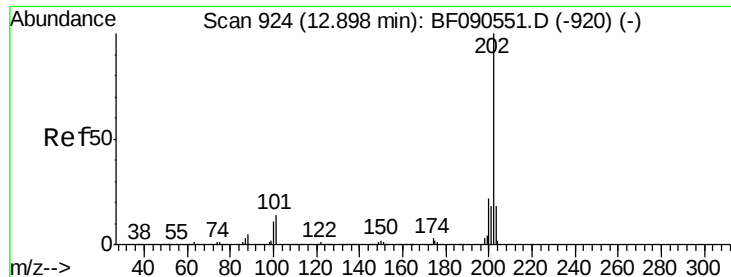
Acq: 17 Oct 2016 21:02

Tgt Ion:	240	Resp:	944999
Ion Ratio		Lower	Upper
240	100		
120	13.6	9.8	14.8
236	28.1	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





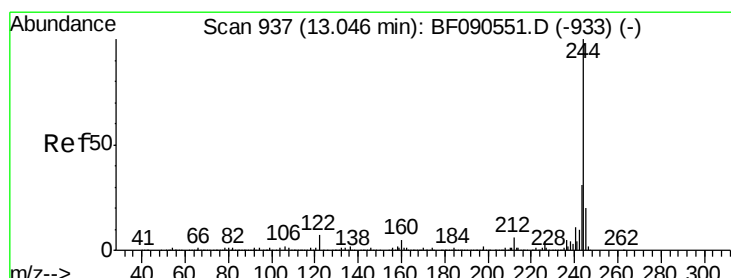
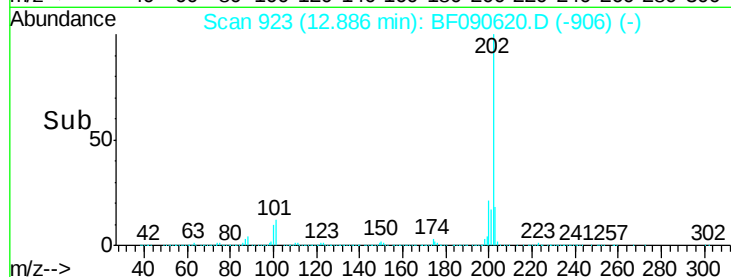
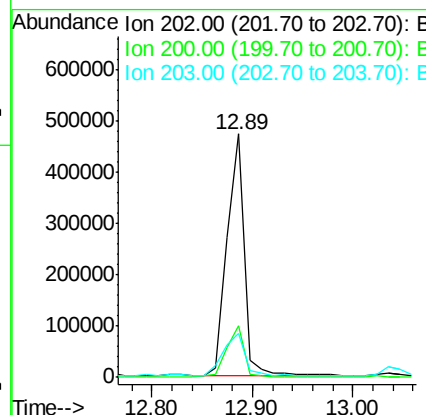
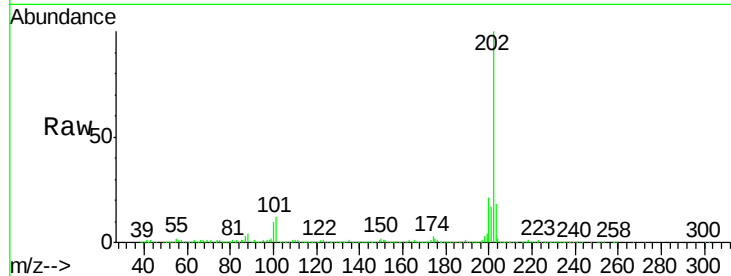
#77
Pvrene
Concen: 8.97 ng
RT: 12.89 min Scan# 923
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Instrument :
BNA_F
ClientSampled :
1

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.8	26.6
203	17.9	14.6	21.8

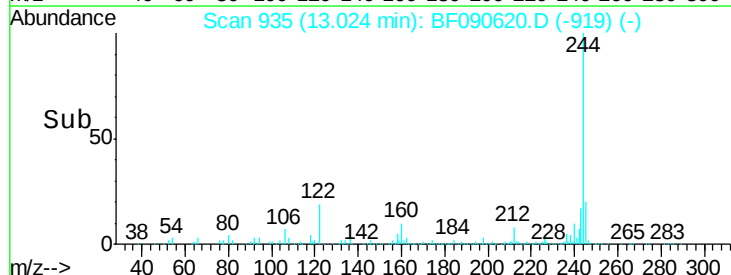
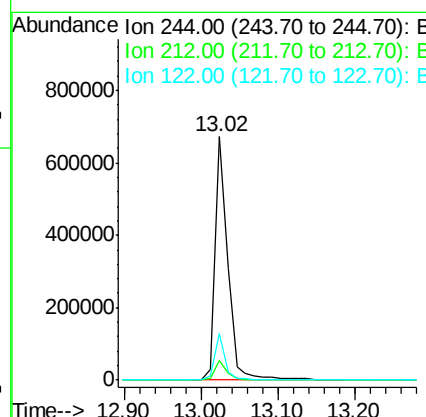
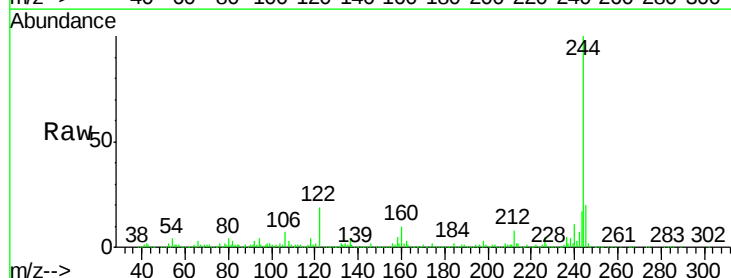
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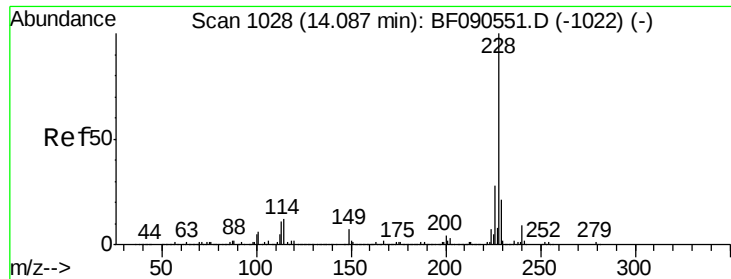
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#78
Terphenyl-d14
Concen: 18.92 ng
RT: 13.02 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.0	7.4#
122	19.1	5.6	8.4#





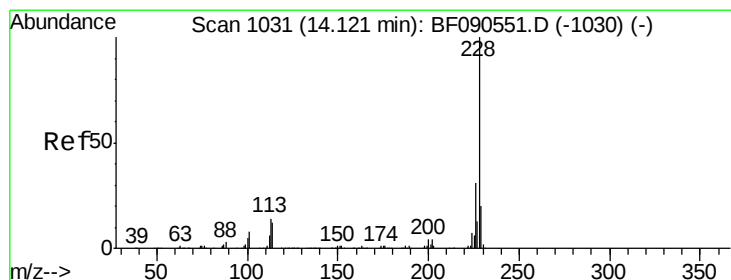
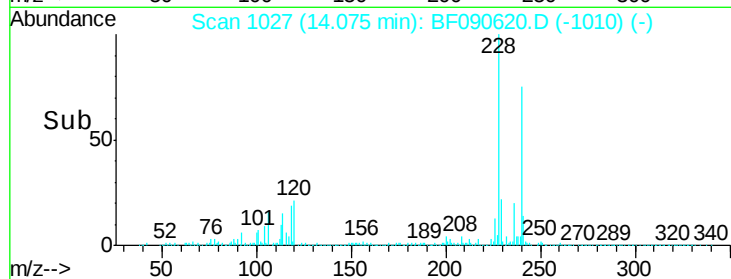
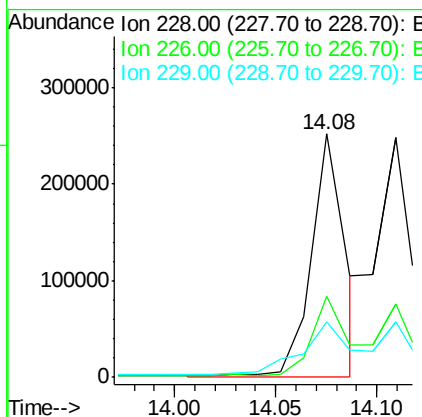
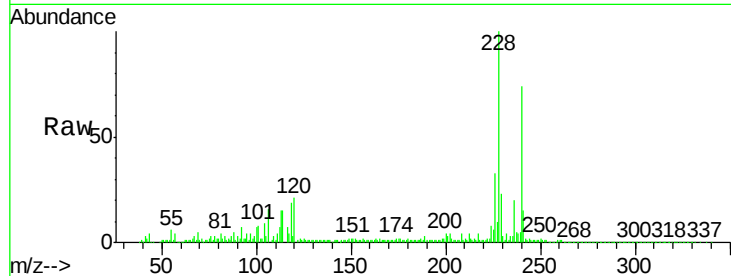
#80
Benzo(a)anthracene
Concen: 5.52 ng m
RT: 14.08 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Instrument :
BNA_F
ClientSampled :
1

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.8	34.2
229	23.0	16.6	25.0

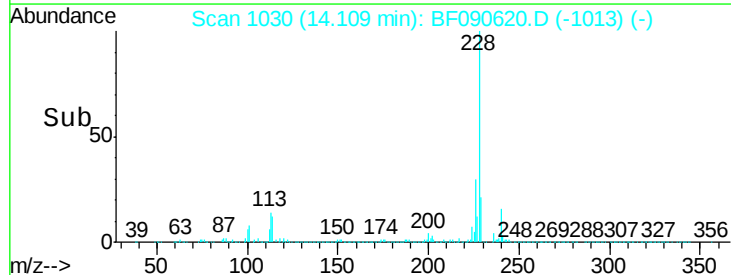
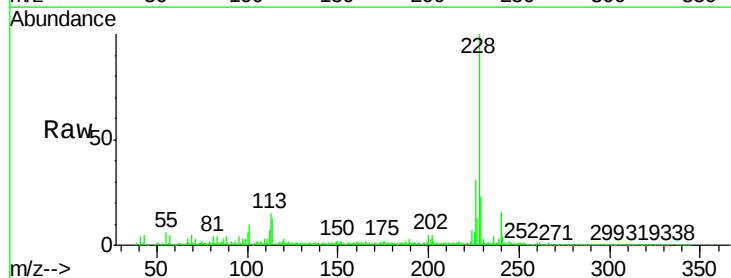
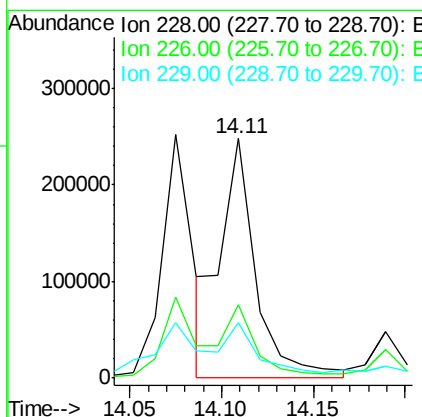
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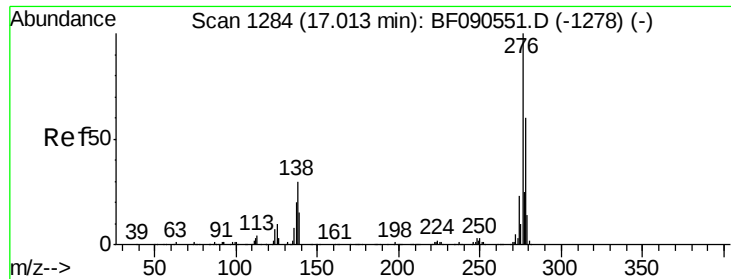
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#82
Chrysene
Concen: 6.30 ng m
RT: 14.11 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.8	37.2
229	23.3	16.2	24.4





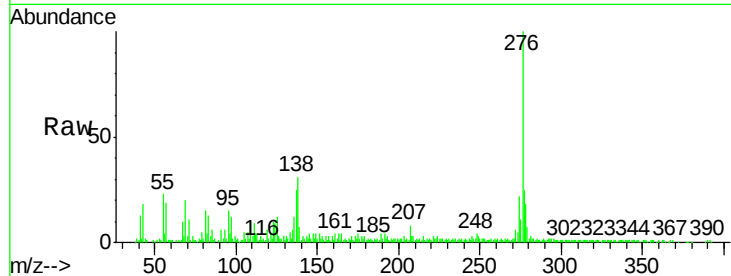
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.35 ng
RT: 16.99 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Instrument :
BNA_F
ClientSampled :
1

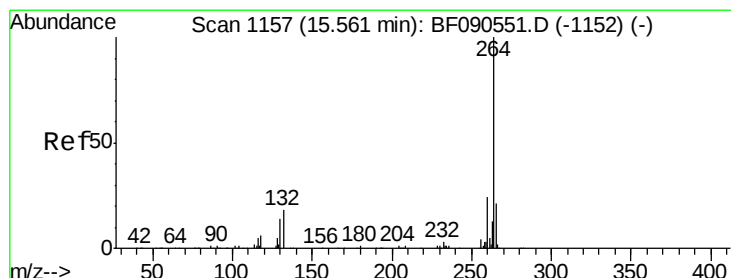
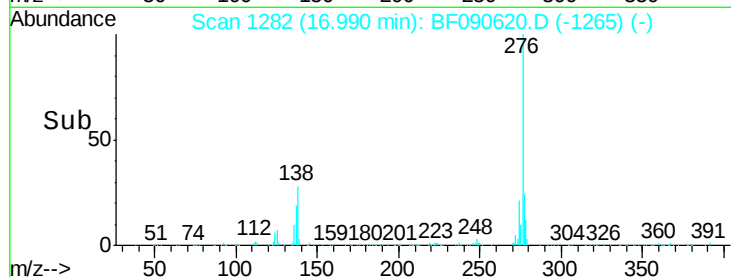
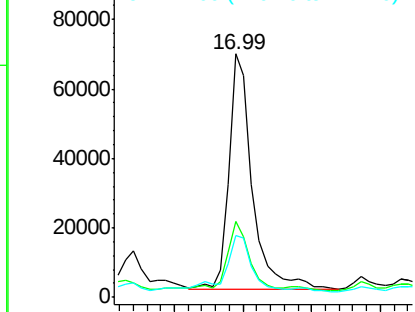
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.0	25.8	38.6
277	27.2	20.1	30.1

Manual Integrations
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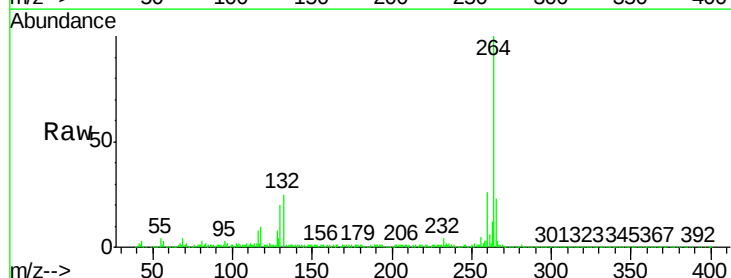


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

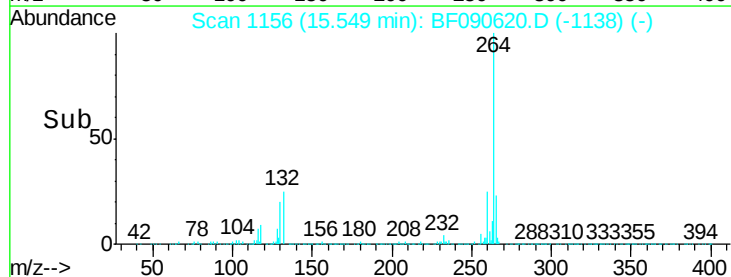
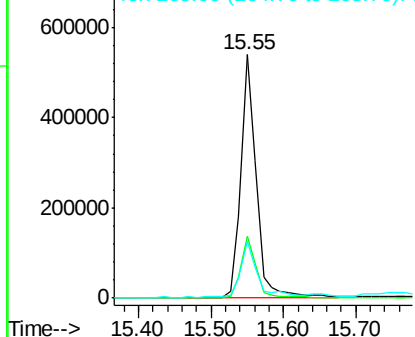


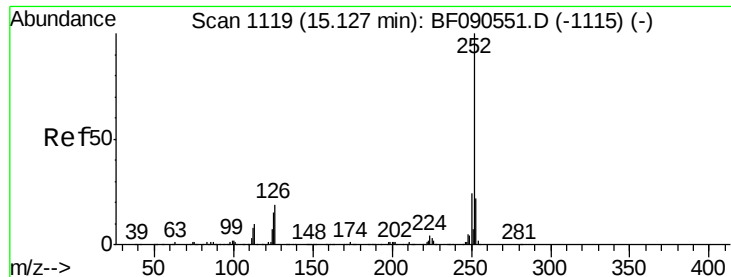
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.3	28.9
265	23.0	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





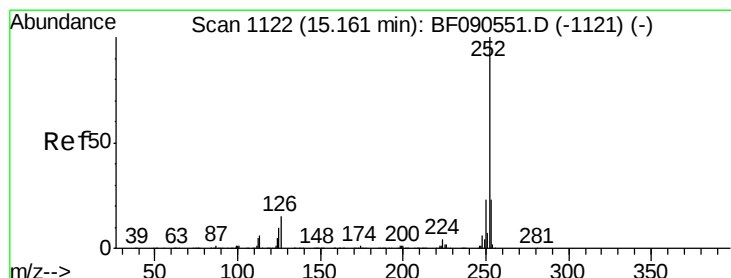
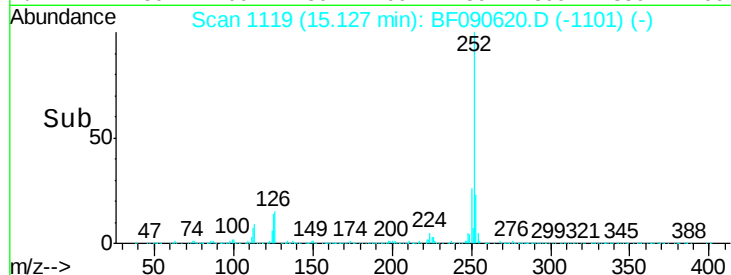
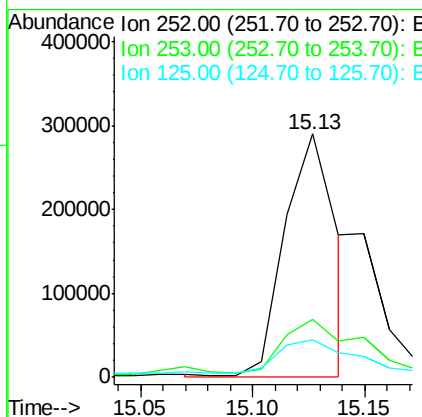
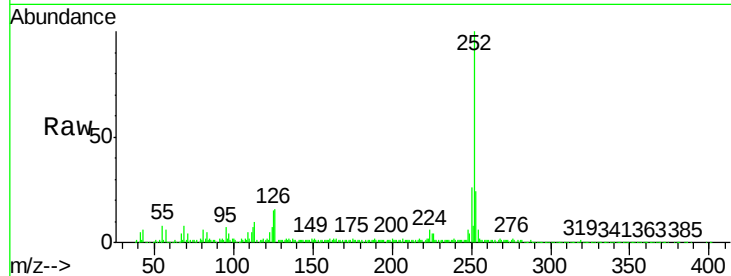
#87
Benzo(b)fluoranthene
Concen: 8.94 ng m
RT: 15.13 min Scan# 1119
Delta R.T. 0.01 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Instrument :
BNA_F
ClientSampleId :
1

Tot Ion	Ratio	Resp	Lower	Upper
252	100	465302		
253	23.9		17.8	26.8
125	15.3		12.0	18.0

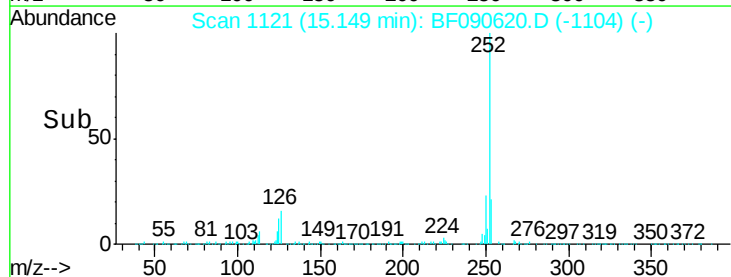
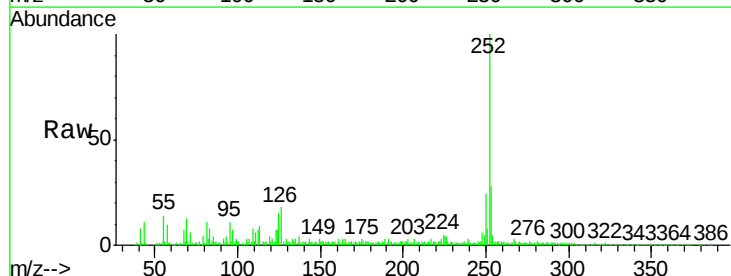
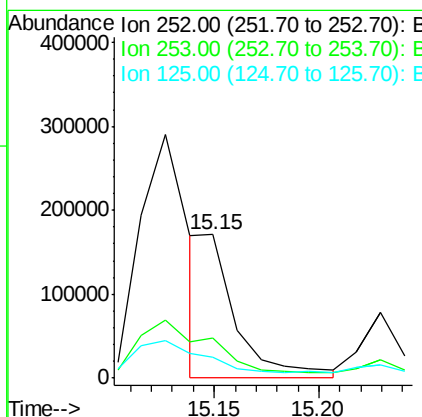
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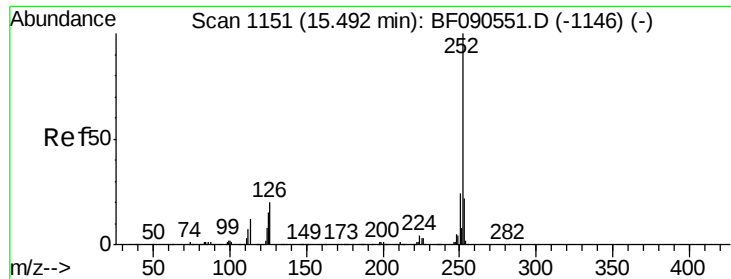
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#88
Benzo(k)fluoranthene
Concen: 3.49 ng m
RT: 15.15 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	195526		
253	27.9		18.0	27.0#
125	15.0		10.0	15.0





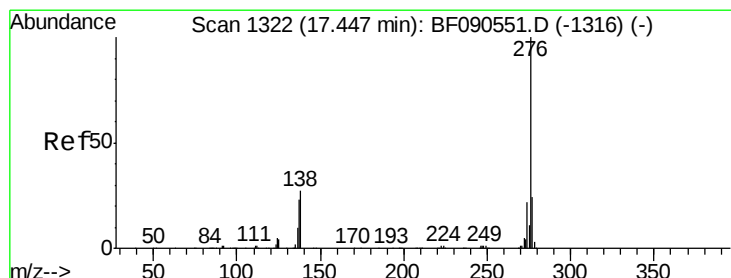
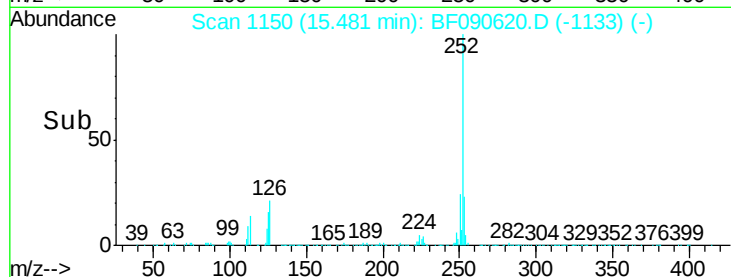
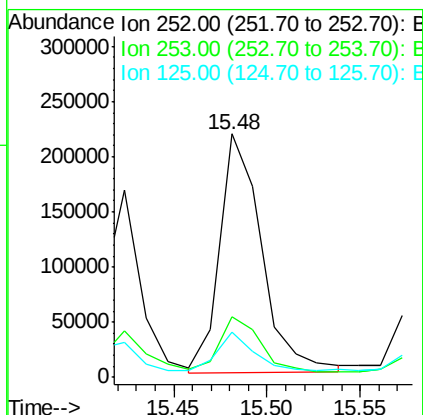
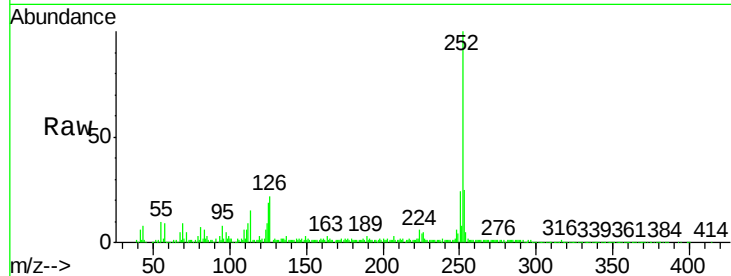
#89
Benzo(a)pyrene
Concen: 7.15 ng
RT: 15.48 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Instrument :
BNA_F
ClientSampled :
1

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.0	17.9	26.9
125	18.6	12.3	18.5

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.20 ng
RT: 17.44 min Scan# 1321
Delta R.T. 0.01 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	26.1	18.8	28.2
138	27.7	21.8	32.8

