

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101716\
 Data File : BF090619.D
 Acq On : 17 Oct 2016 20:34
 Operator : UM/SJ
 Sample : H5227-02 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2

Manual Integrations
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 10/18/2016 6:05:49 PM

Quant Time: Oct 18 01:40:02 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	300126	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	1164114	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	556191	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	724291	20.00	ng	-0.01
75) Chrysene-d12	14.09	240	740310	20.00	ng	0.00
86) Perylene-d12	15.55	264	690248	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1032924	63.09	ng	0.00
7) Phenol-d6	6.54	99	1389125	57.10	ng	0.00
23) Nitrobenzene-d5	7.47	82	814193	38.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	183520	37.01	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1255394	37.19	ng	0.00
78) Terphenyl-d14	13.02	244	808937	25.44	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.66	163	239485	6.64	ng	99
70) Phenanthrene	11.46	178	200311	5.18	ng	99
74) Fluoranthene	12.65	202	314212	8.08	ng	91
77) Pyrene	12.87	202	282819	5.77	ng	99
80) Benzo(a)anthracene	14.07	228	193649m	4.59	ng	
82) Chrysene	14.11	228	178905m	4.41	ng	
85) Indeno(1,2,3-cd)pyrene	16.98	276	85500	3.64	ng	# 93
87) Benzo(b)fluoranthene	15.12	252	208153m	4.61	ng	
88) Benzo(k)fluoranthene	15.13	252	129180m	2.66	ng	
89) Benzo(a)pyrene	15.48	252	168249	4.07	ng	97
91) Benzo(g,h,i)perylene	17.41	276	81091	2.70	ng	95

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

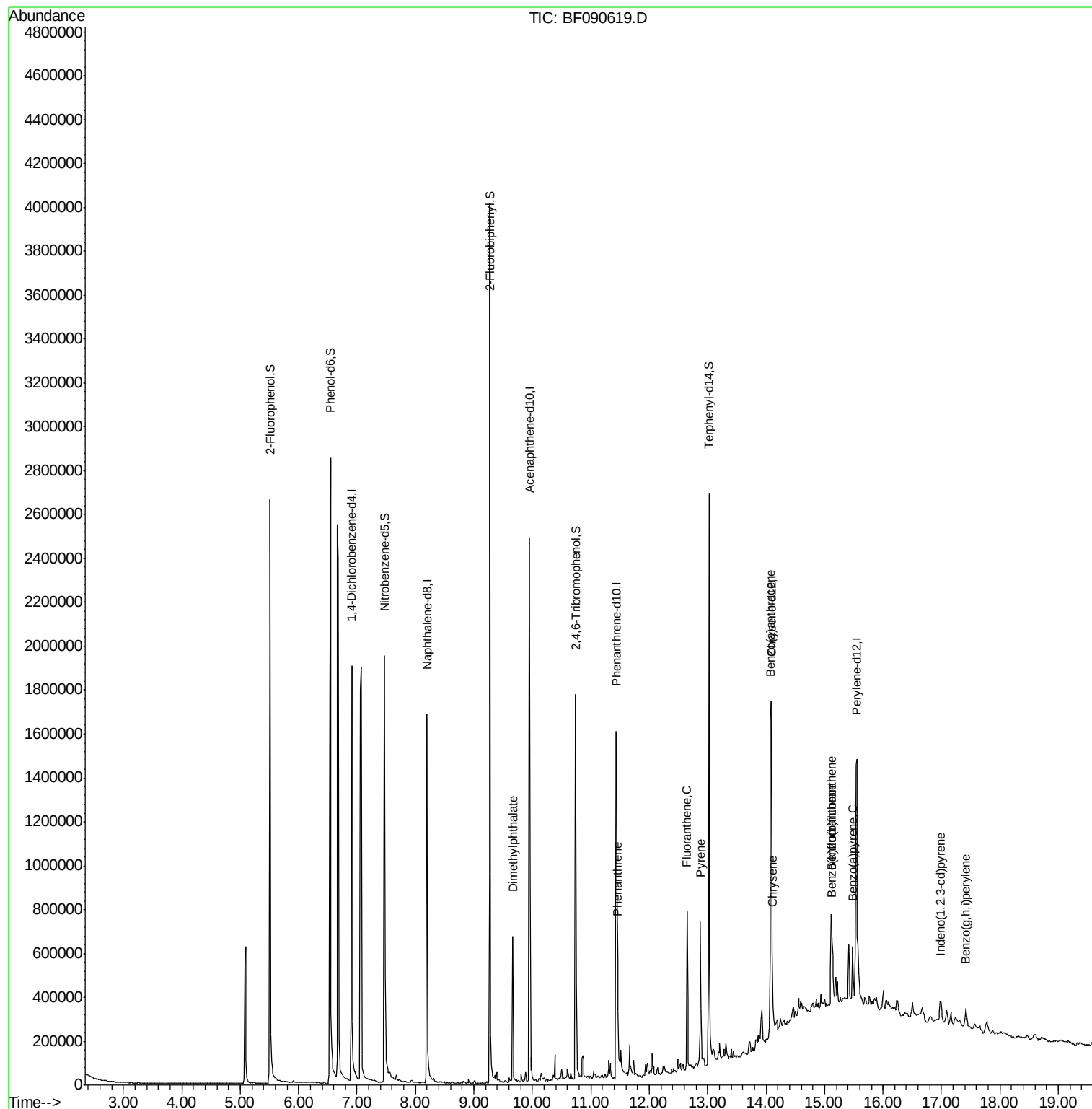
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101716\
Data File : BF090619.D
Acq On : 17 Oct 2016 20:34
Operator : UM/SJ
Sample : H5227-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

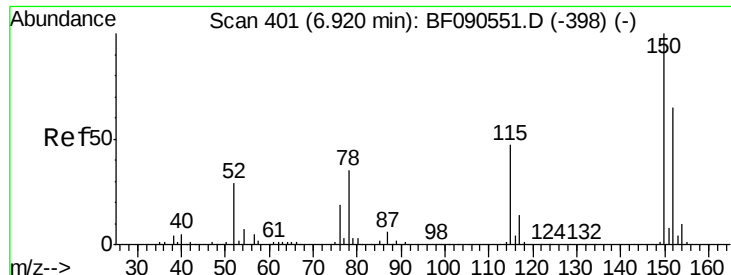
Instrument :
BNA_F
ClientSampleId :
2

Manual Integrations
APPROVED

SOHIL
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Quant Time: Oct 18 01:40:02 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

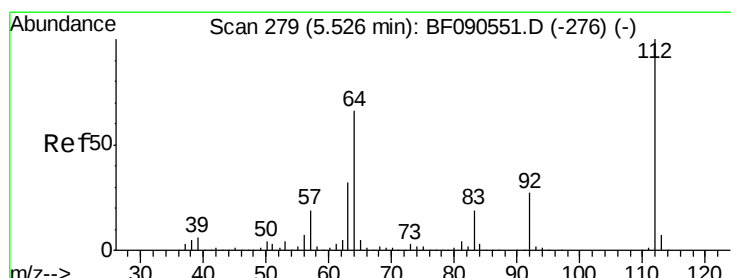
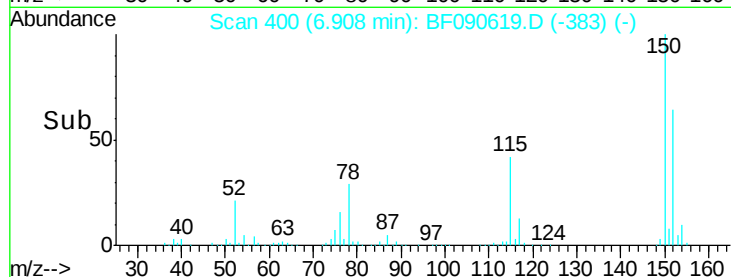
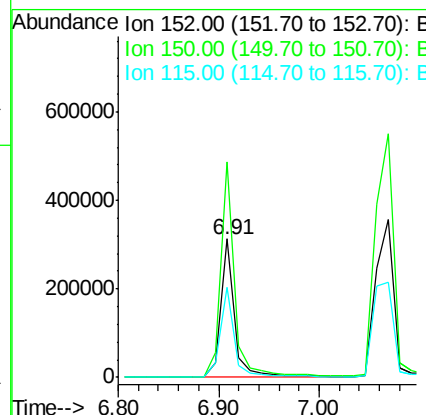
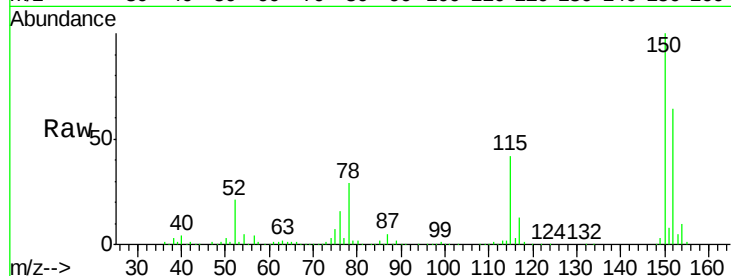
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 400
Delta R.T. -0.00 min
Lab File: BF090619.D
Acq: 17 Oct 2016 20:34

Instrument :
BNA_F
ClientSampled :
2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	127.2	190.8
115	65.0	58.6	88.0

Manual Integrations
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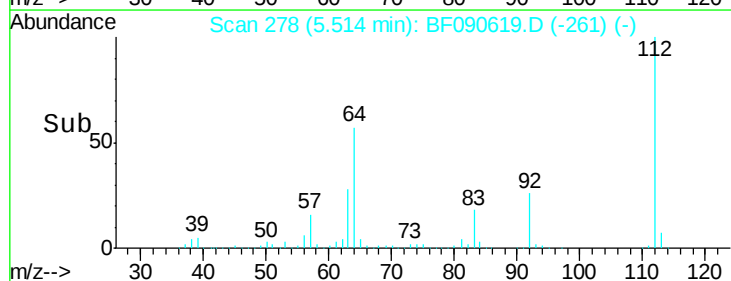
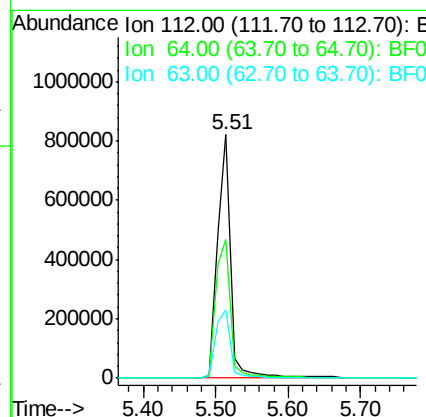
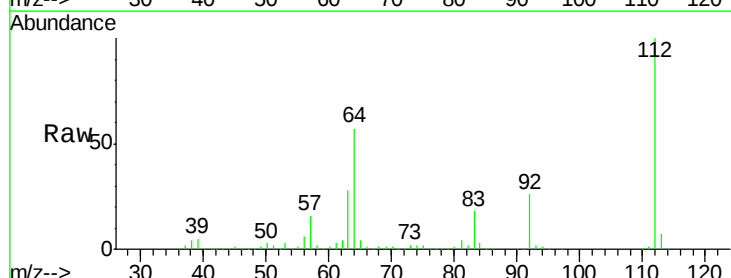
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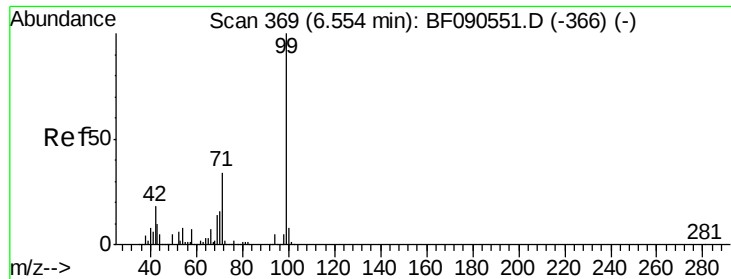


#5

2-Fluorophenol
Concen: 63.09 ng
RT: 5.51 min Scan# 278
Delta R.T. -0.00 min
Lab File: BF090619.D
Acq: 17 Oct 2016 20:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	52.6	78.8
63	27.9	26.0	39.0





#7

Phenol-d6

Concen: 57.10 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

Instrument :

BNA_F

ClientSampled :

2

Tot Ion: 99 Resp: 1389125

Ion Ratio Lower Upper

99 100

42 14.4 14.7 22.1#

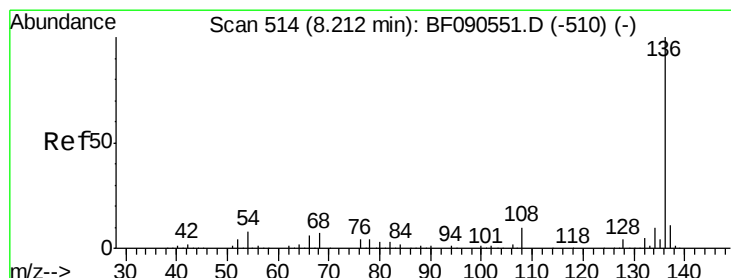
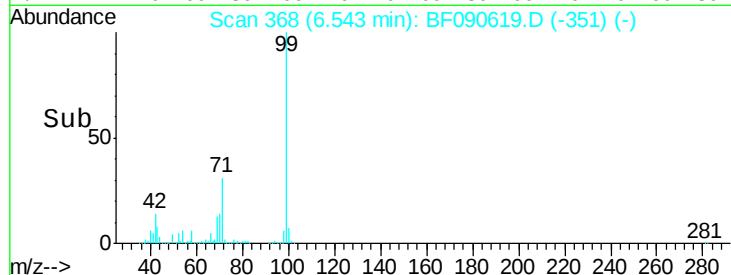
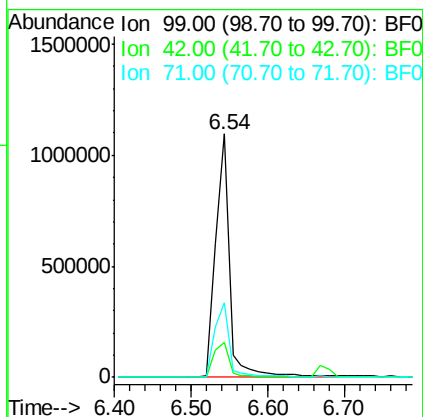
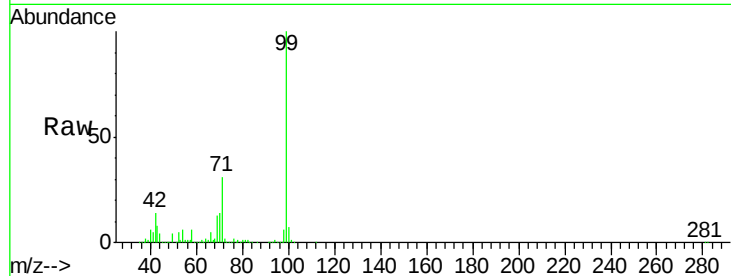
71 30.9 27.6 41.4

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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: BF090619.D

Acq: 17 Oct 2016 20:34

Tgt Ion: 136 Resp: 1164114

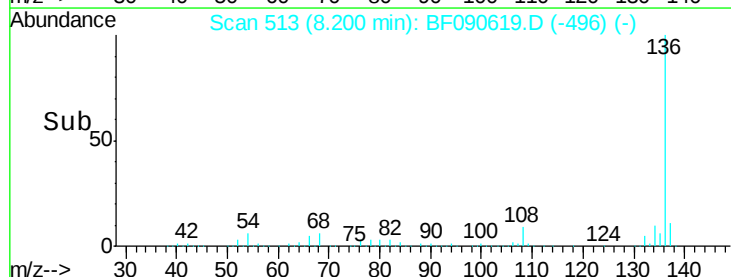
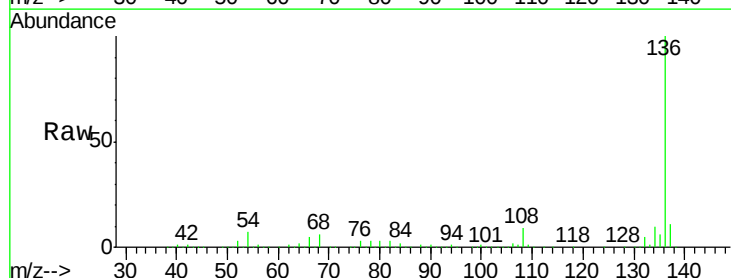
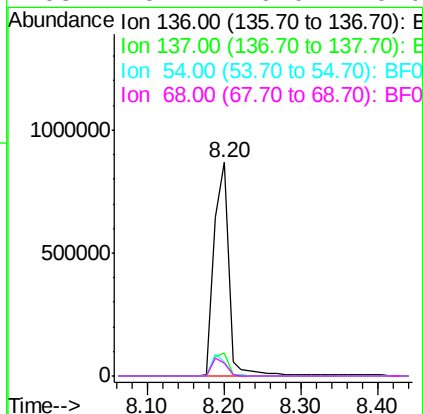
Ion Ratio Lower Upper

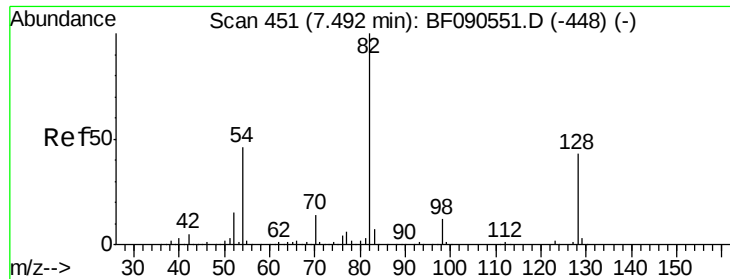
136 100

137 10.9 8.8 13.2

54 6.5 6.8 10.2#

68 6.1 6.0 9.0





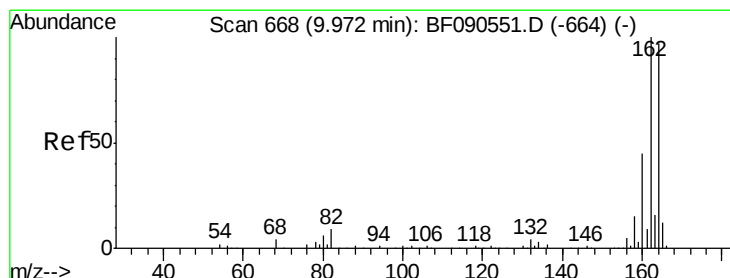
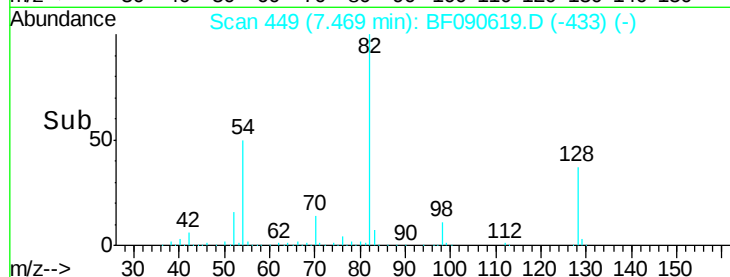
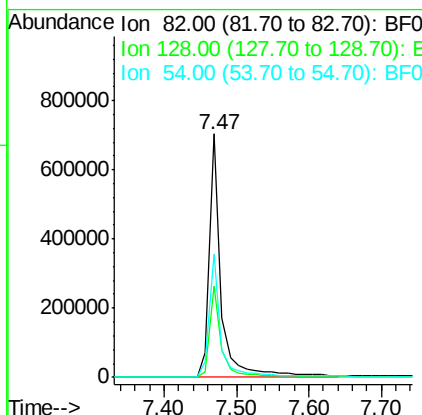
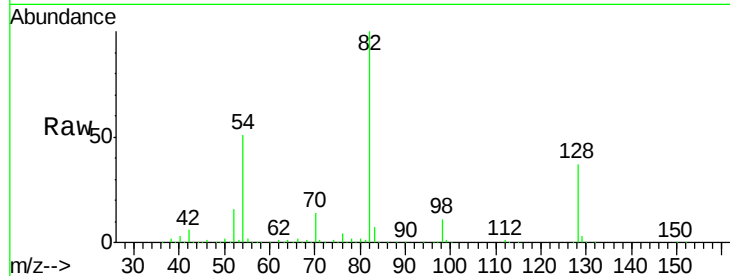
#23
 Nitrobenzene-d5
 Concen: 38.85 ng
 RT: 7.47 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: BF090619.D
 Acq: 17 Oct 2016 20:34

Instrument :
 BNA_F
 ClientSampled :
 2

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.3	34.3	51.5
54	50.5	37.0	55.6

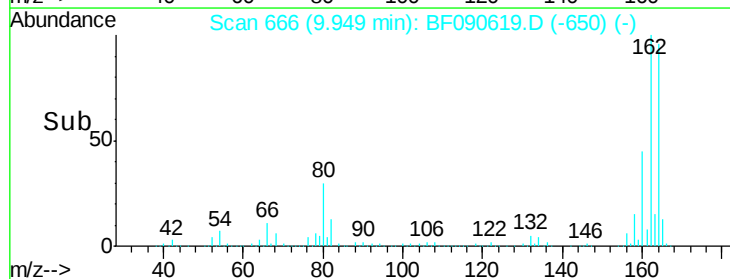
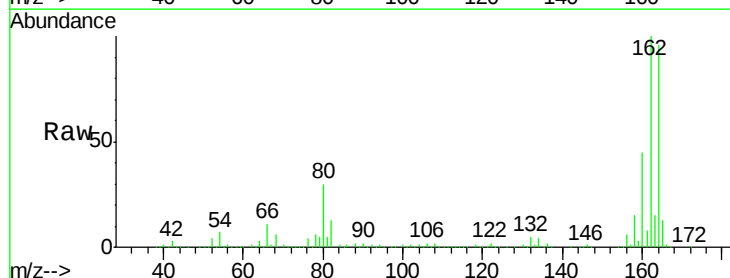
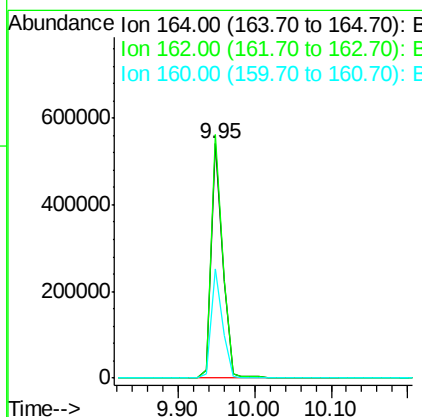
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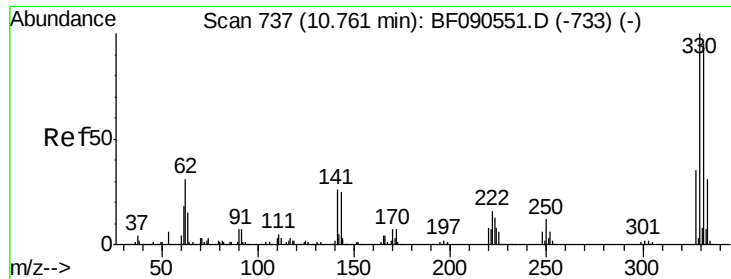
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF090619.D
 Acq: 17 Oct 2016 20:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.2	123.4
160	46.6	36.6	55.0





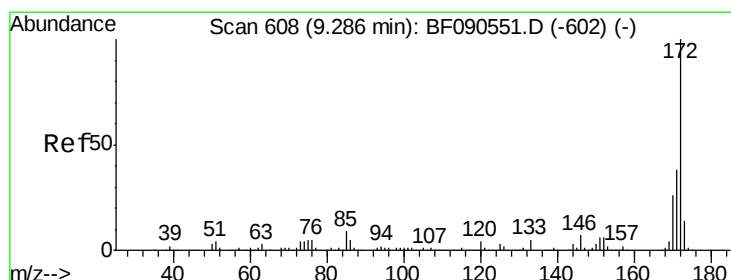
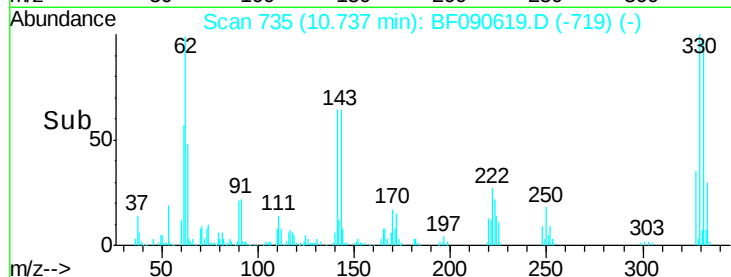
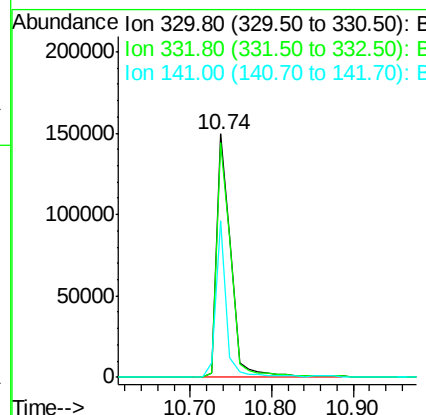
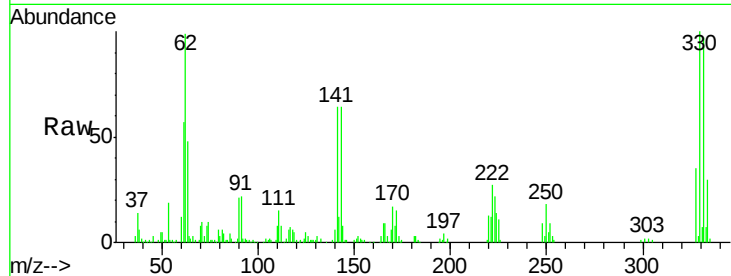
#41
 2,4,6-Tribromophenol
 Concen: 37.01 ng
 RT: 10.74 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: BF090619.D
 Acq: 17 Oct 2016 20:34

Instrument :
 BNA_F
 ClientSampled :
 2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	183520		
332	97.4	76.2	114.2	
141	48.3	31.4	47.2#	

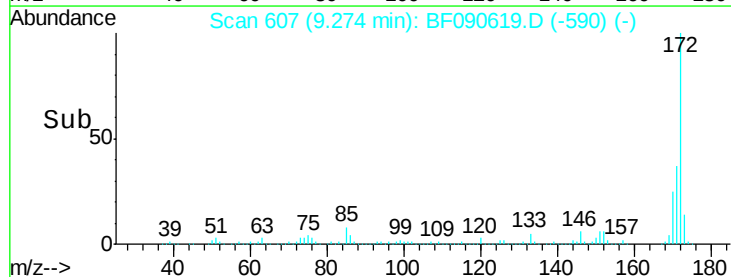
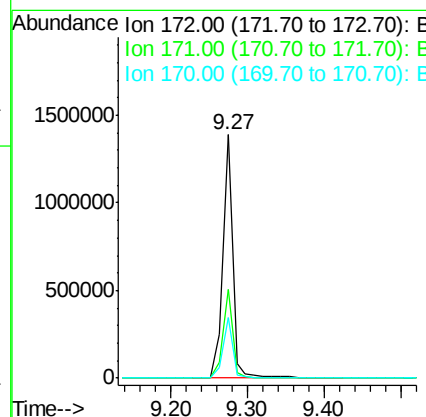
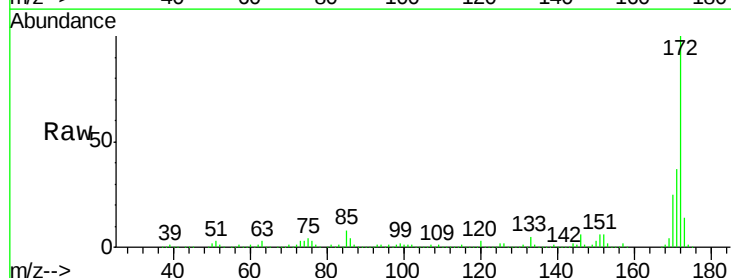
Manual Integrations
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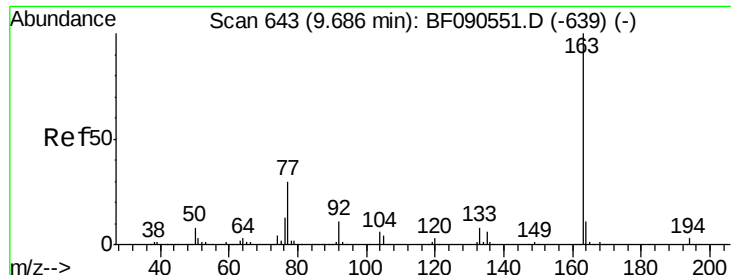
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#44
 2-Fluorobiphenyl
 Concen: 37.19 ng
 RT: 9.27 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: BF090619.D
 Acq: 17 Oct 2016 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1255394		
171	36.6	30.1	45.1	
170	24.7	20.6	30.8	





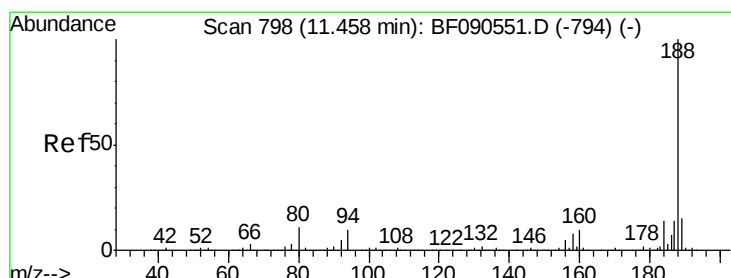
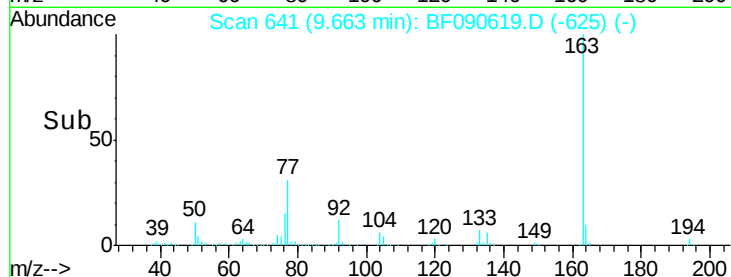
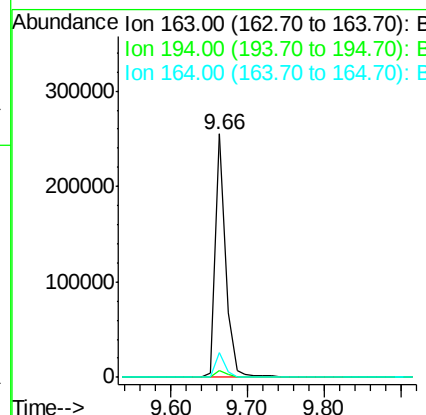
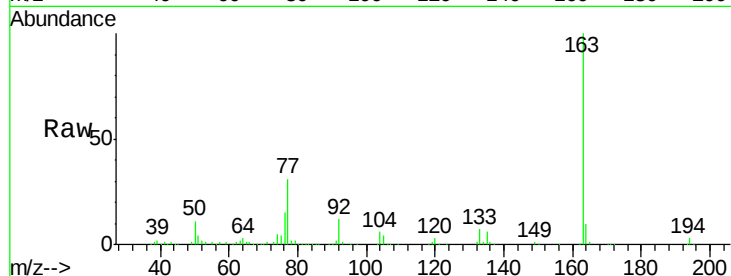
#49
Dimethylphthalate
Concen: 6.64 ng
RT: 9.66 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF090619.D
Acq: 17 Oct 2016 20:34

Instrument :
BNA_F
ClientSampled :
2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	239485		
194	2.9		2.3	3.5
164	10.2		8.6	13.0

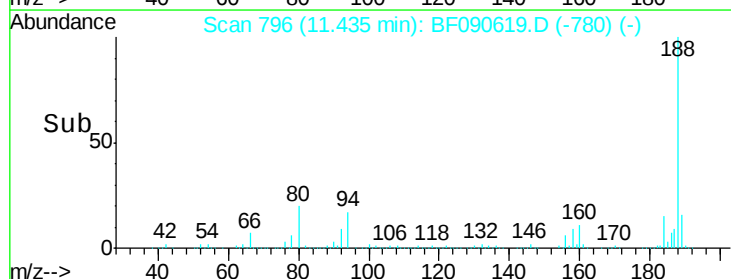
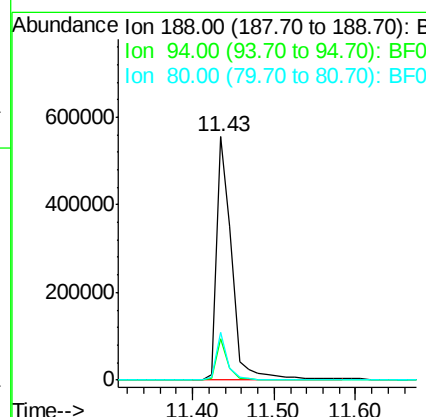
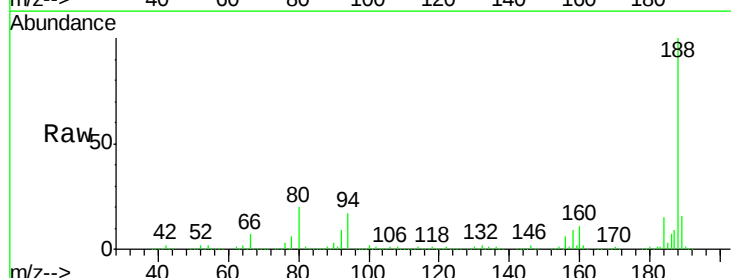
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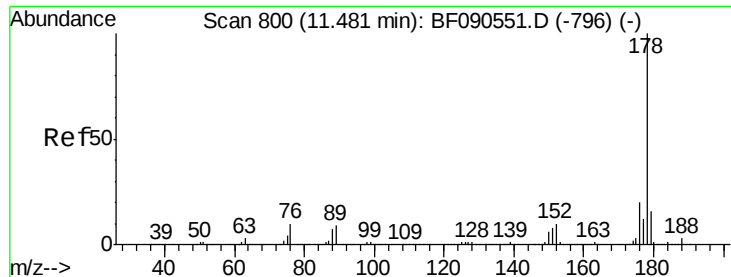
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF090619.D
Acq: 17 Oct 2016 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	724291		
94	16.8		7.7	11.5#
80	19.7		8.6	12.8#





#70

Phenanthrene

Concen: 5.18 ng

RT: 11.46 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

Instrument :

BNA_F

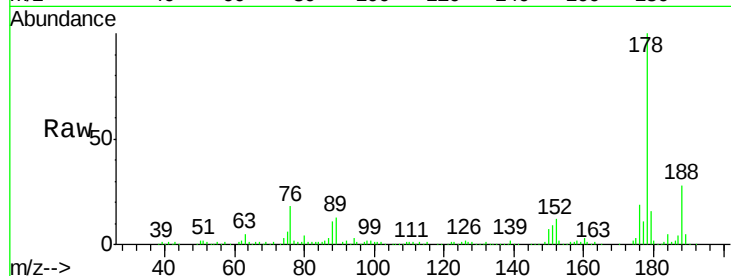
ClientSampled :

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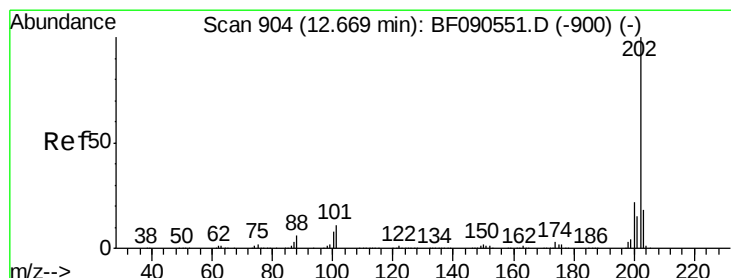
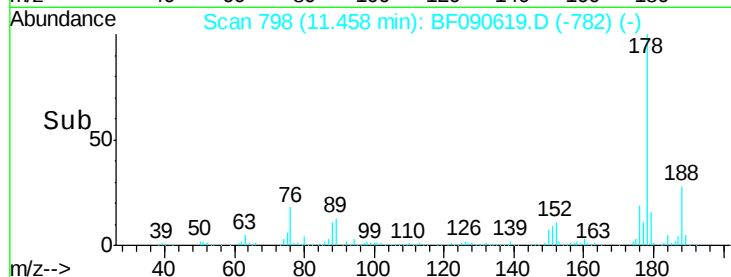
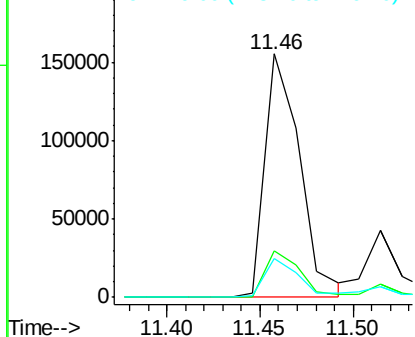
Tot Ion:	178	Resp:	200311
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.1	24.1
179	15.9	12.6	19.0

Manual Integrations
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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: 8.08 ng

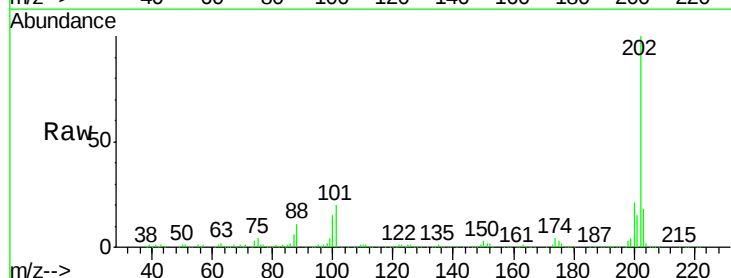
RT: 12.65 min Scan# 902

Delta R.T. -0.01 min

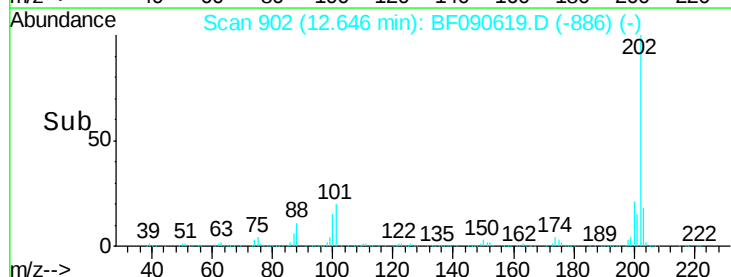
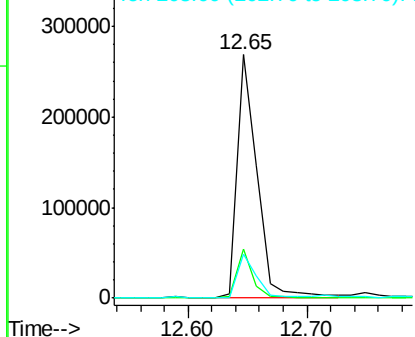
Lab File: BF090619.D

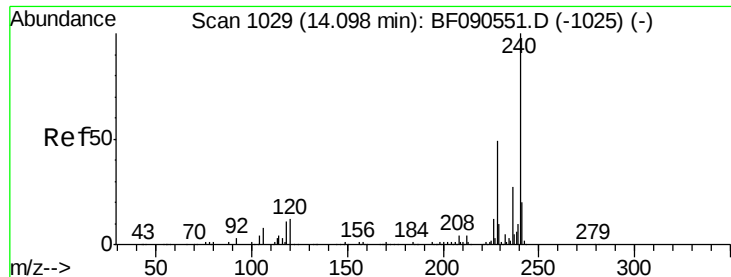
Acq: 17 Oct 2016 20:34

Tgt Ion:	202	Resp:	314212
Ion Ratio	Lower	Upper	
202	100		
101	20.2	0.0	31.1
203	18.0	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: 14.09 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

Instrument :

BNA_F

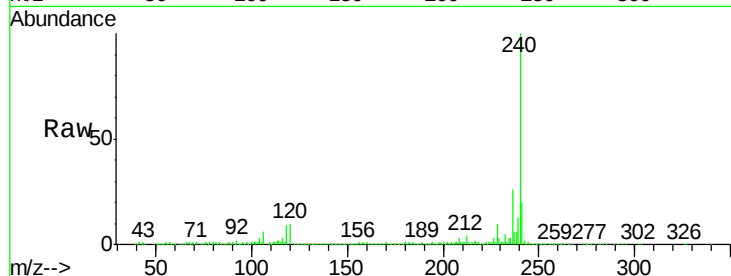
ClientSampleId :

2

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.8	14.8#
236	26.4	21.7	32.5

Manual Integrations
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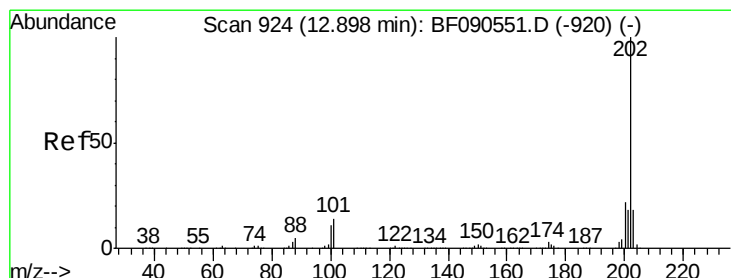
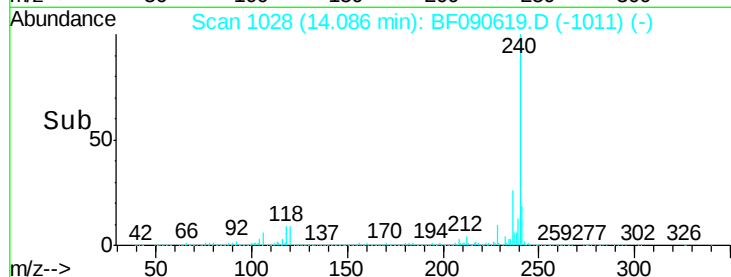
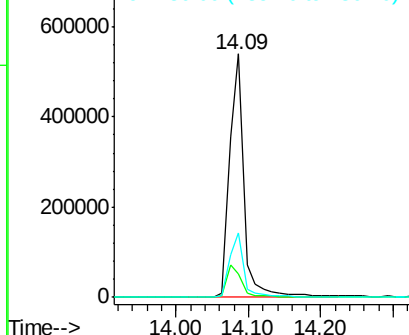
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.77 ng

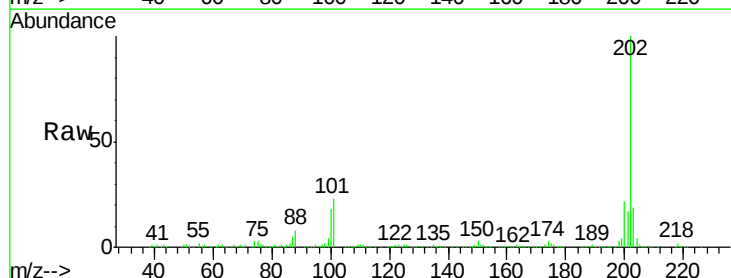
RT: 12.87 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

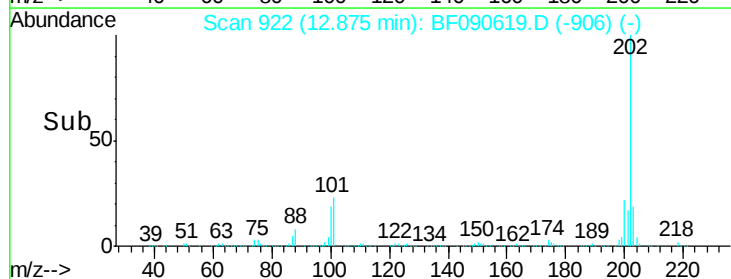
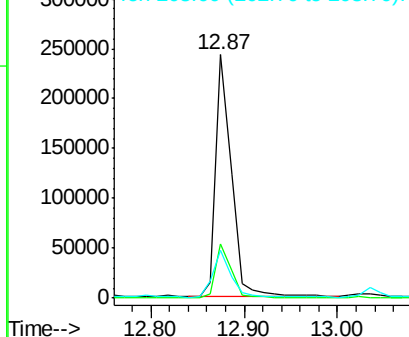
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.8	26.6
203	19.4	14.6	21.8

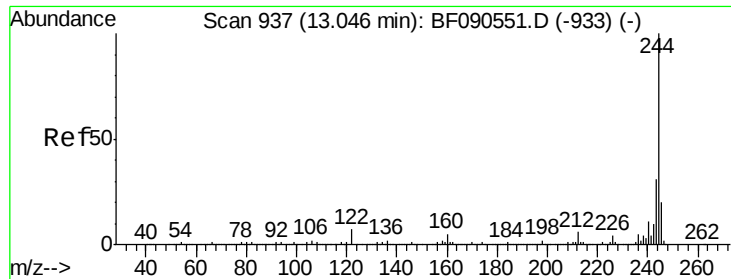


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





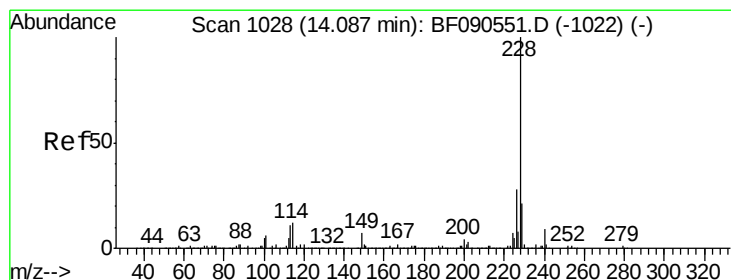
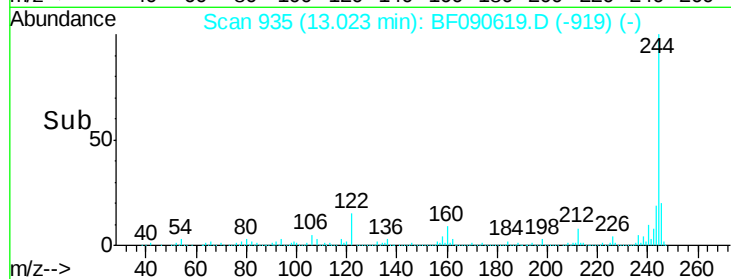
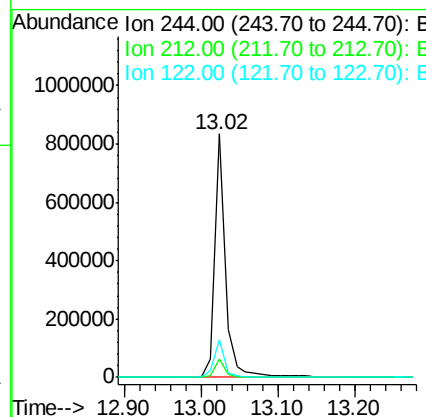
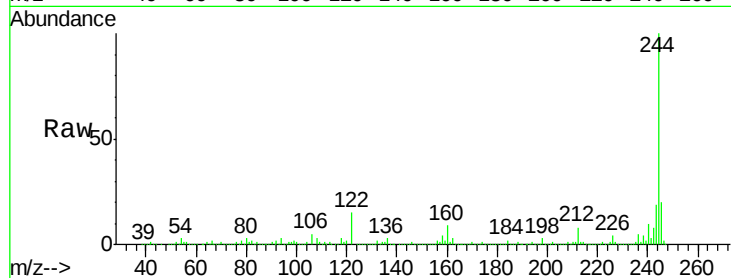
#78
 Terphenyl-d14
 Concen: 25.44 ng
 RT: 13.02 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: BF090619.D
 Acq: 17 Oct 2016 20:34

Instrument :
 BNA_F
 ClientSampleId :
 2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.0	7.4#
122	15.2	5.6	8.4#

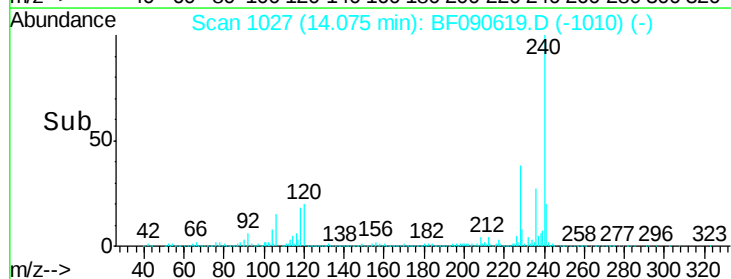
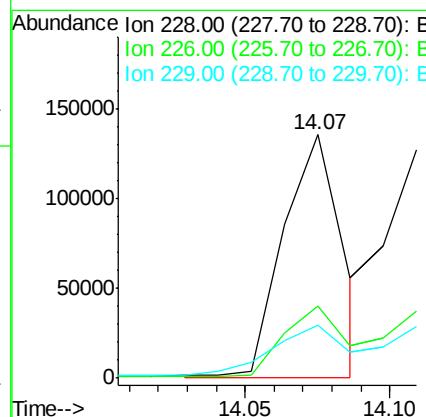
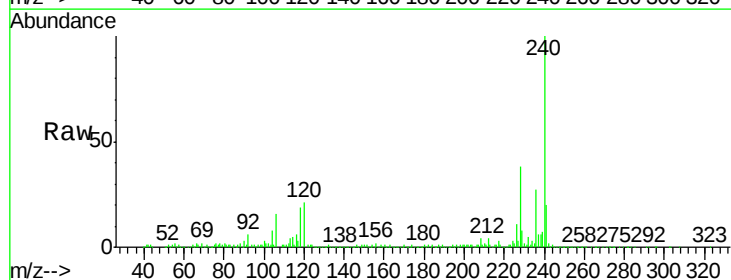
Manual Integrations
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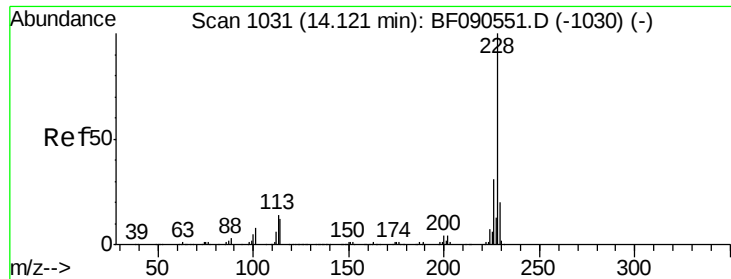
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#80
 Benzo(a)anthracene
 Concen: 4.59 ng m
 RT: 14.07 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BF090619.D
 Acq: 17 Oct 2016 20:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.8	34.2
229	21.9	16.6	25.0





#82

Chrysene

Concen: 4.41 ng/mL

RT: 14.11 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

Instrument :

BNA_F

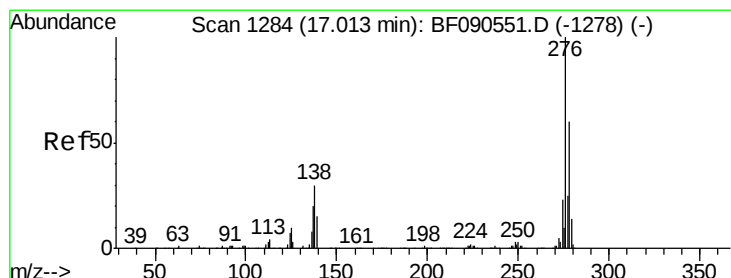
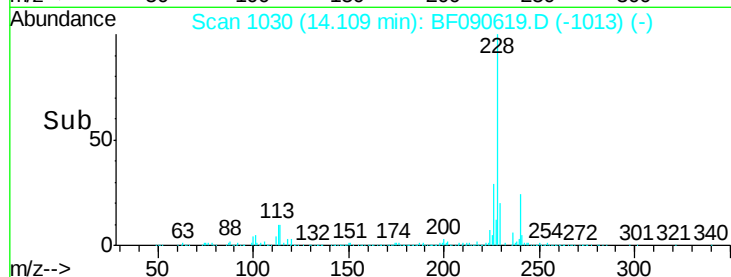
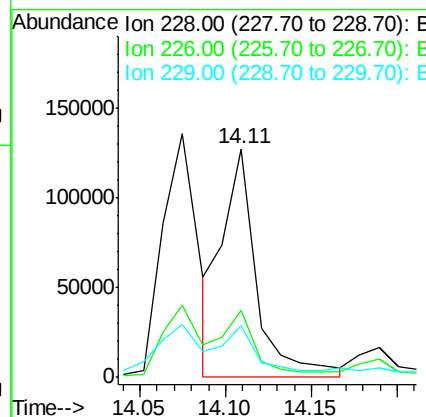
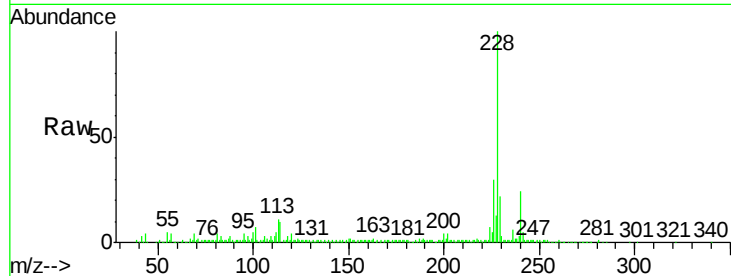
ClientSampled :

2

Tot Ion:	228	Resp:	178905
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.8	37.2
229	22.4	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.64 ng/mL

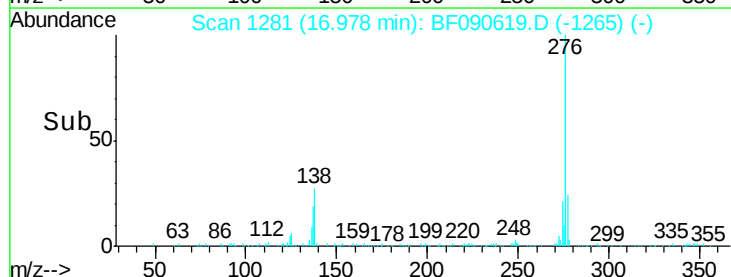
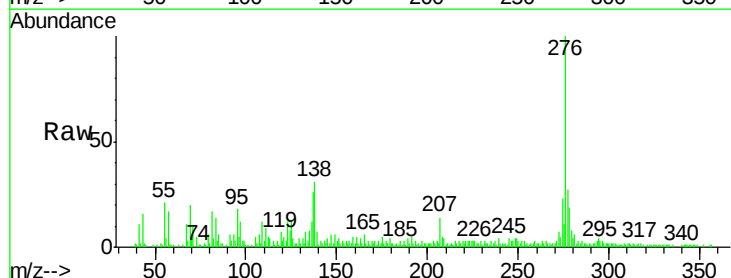
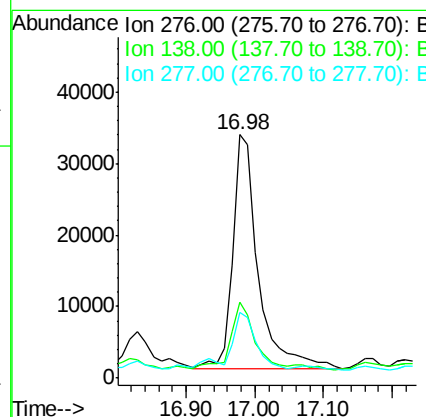
RT: 16.98 min Scan# 1281

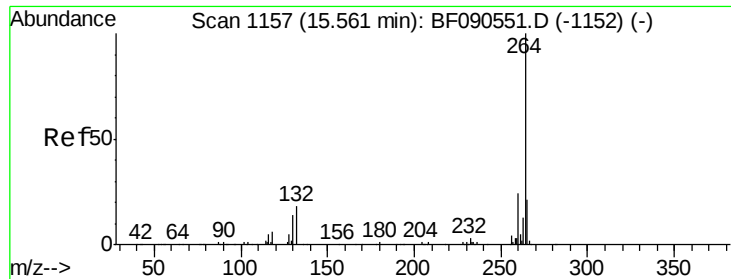
Delta R.T. -0.01 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

Tgt Ion:	276	Resp:	85500
Ion Ratio	Lower	Upper	
276	100		
138	25.5	25.8	38.6#
277	25.5	20.1	30.1





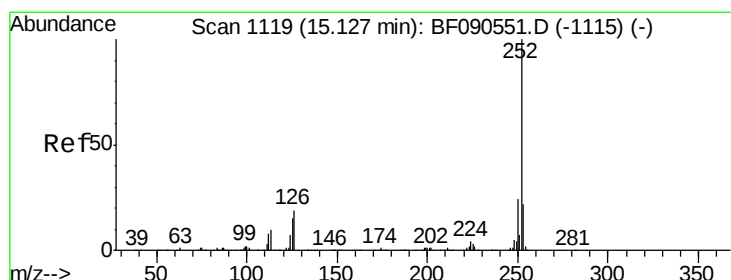
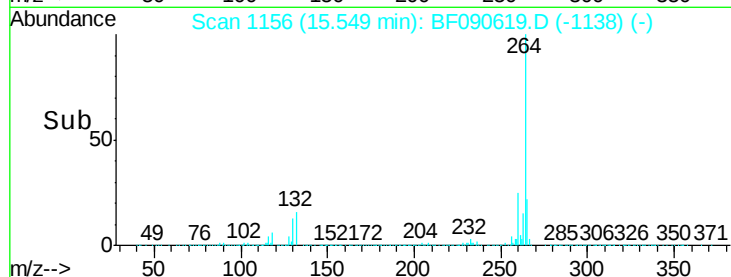
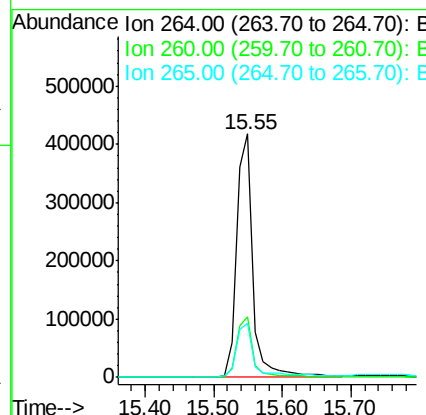
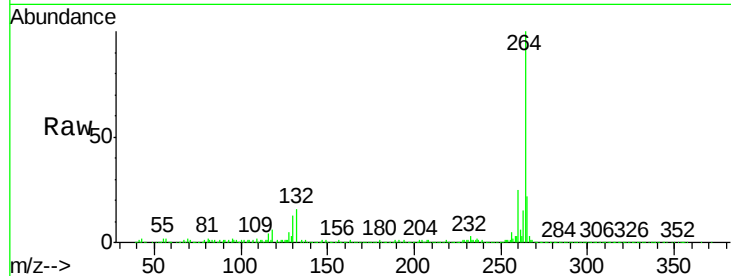
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BF090619.D
Acq: 17 Oct 2016 20:34

Instrument :
BNA_F
ClientSampled :
2

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.3	28.9
265	22.3	16.7	25.1

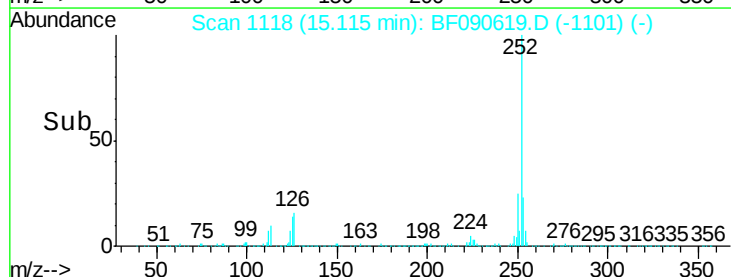
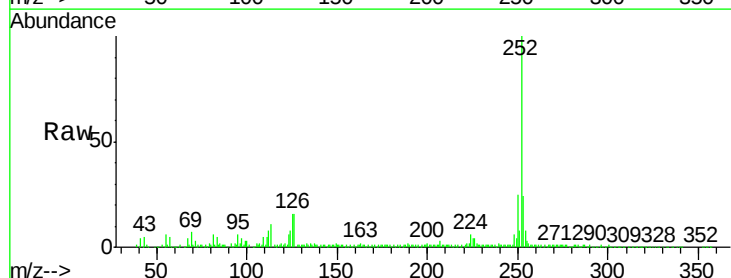
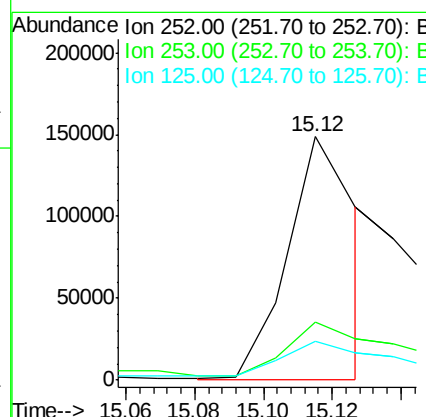
Manual Integrations
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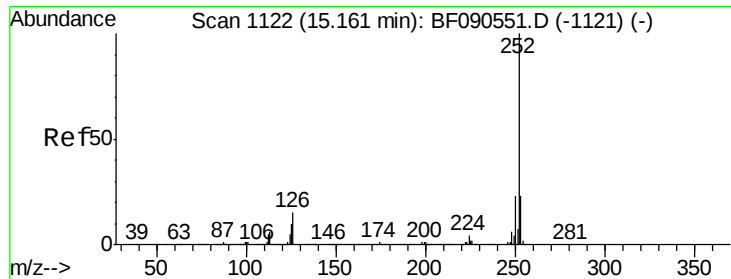
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#87
Benzo(b)fluoranthene
Concen: 4.61 ng m
RT: 15.12 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BF090619.D
Acq: 17 Oct 2016 20:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	15.7	12.0	18.0





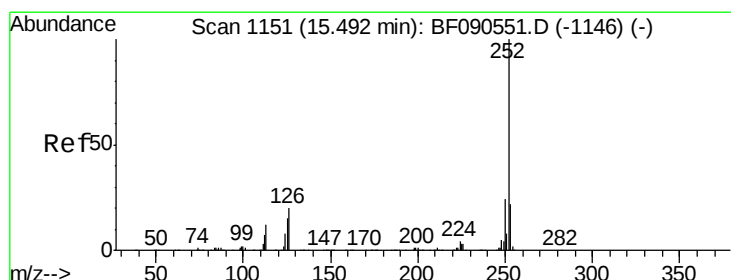
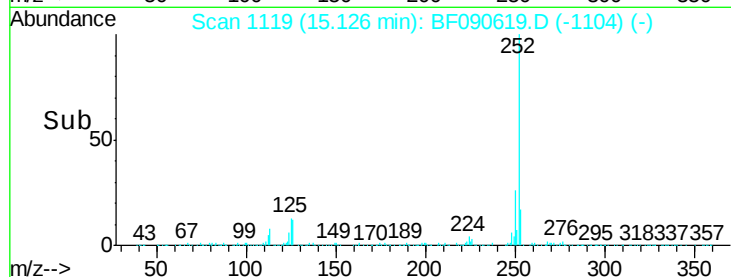
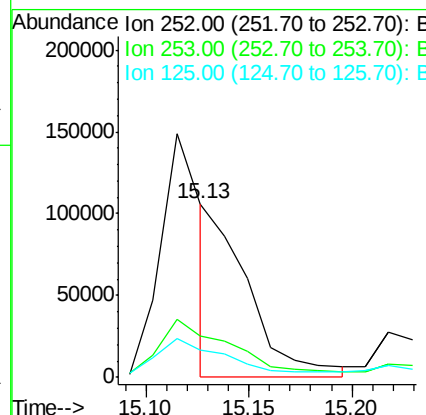
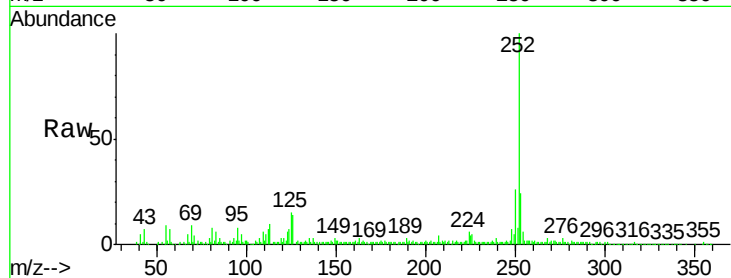
#88
Benzo(k)fluoranthene
Concen: 2.66 ng m
RT: 15.13 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF090619.D
Acq: 17 Oct 2016 20:34

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	15.4	10.0	15.0

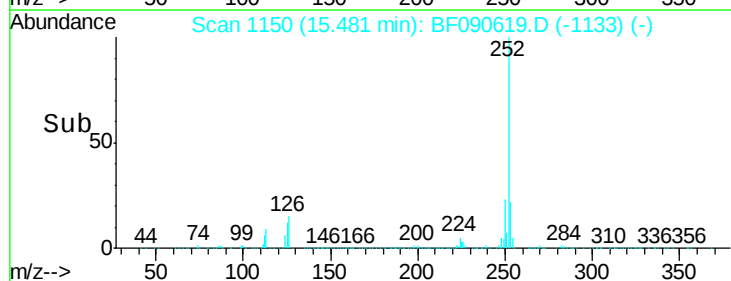
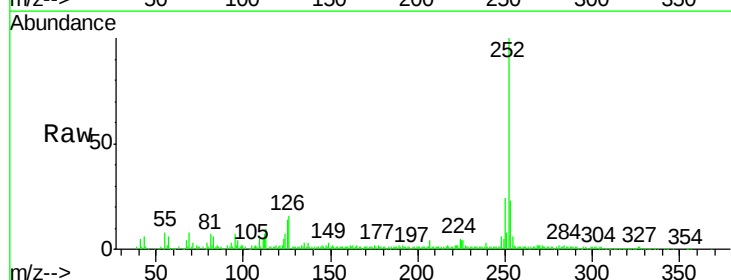
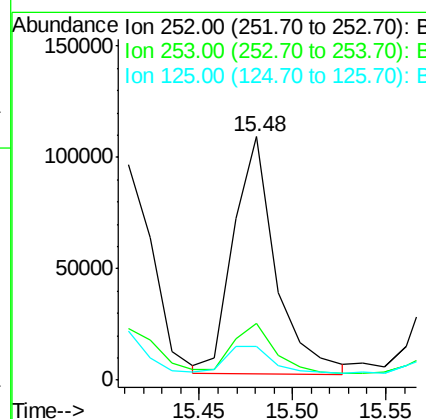
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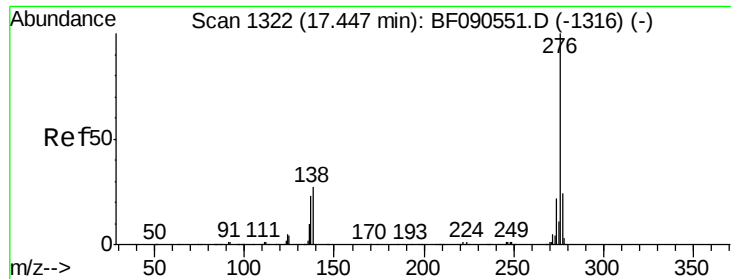
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#89
Benzo(a)pyrene
Concen: 4.07 ng
RT: 15.48 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BF090619.D
Acq: 17 Oct 2016 20:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	13.6	12.3	18.5





#91
 Benzo(a,h,i)perylene
 Concen: 2.70 ng
 RT: 17.41 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF090619.D
 Acq: 17 Oct 2016 20:34

Instrument :
 BNA_F
 ClientSampleId :
 2

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.8	28.2
138	29.9	21.8	32.8

Manual Integrations
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