

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
 Data File : BF090027.D
 Acq On : 8 Sep 2016 16:29
 Operator : UM/SJ
 Sample : H4680-30
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BH-26-1FT

Manual Integrations
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 9/9/2016 8:38:18 AM

Quant Time: Sep 08 17:06:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 08 16:07:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	189328	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	776254	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	383692	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	678725	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	473552	20.00	ng	-0.01
86) Perylene-d12	15.05	264	426899	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1711885	144.73	ng	0.02
7) Phenol-d6	6.25	99	1976781	137.54	ng	0.00
23) Nitrobenzene-d5	7.18	82	1313376	98.13	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	514014	135.79	ng	0.00
44) 2-Fluorobiphenyl	8.97	172	2090292	89.43	ng	0.00
78) Terphenyl-d14	12.69	244	1466199	76.48	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.26	94	42136	2.52	ng	86
49) Dimethylphthalate	9.37	163	1370523	49.42	ng	99
70) Phenanthrene	11.12	178	365996	10.83	ng	98
71) Anthracene	11.18	178	99320	2.90	ng	98
74) Fluoranthene	12.30	202	775391	21.89	ng	94
77) Pyrene	12.53	202	623163	18.66	ng	99
80) Benzo(a)anthracene	13.70	228	353033	12.17	ng	97
82) Chrysene	13.74	228	279518	10.32	ng	98
85) Indeno(1,2,3-cd)pyrene	16.26	276	130280	6.50	ng	96
87) Benzo(b)fluoranthene	14.70	252	336196m	12.57	ng	
88) Benzo(k)fluoranthene	14.71	252	153721m	6.77	ng	
89) Benzo(a)pyrene	15.01	252	231627	10.11	ng	99
91) Benzo(g,h,i)perylene	16.62	276	108592	6.43	ng	# 91

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

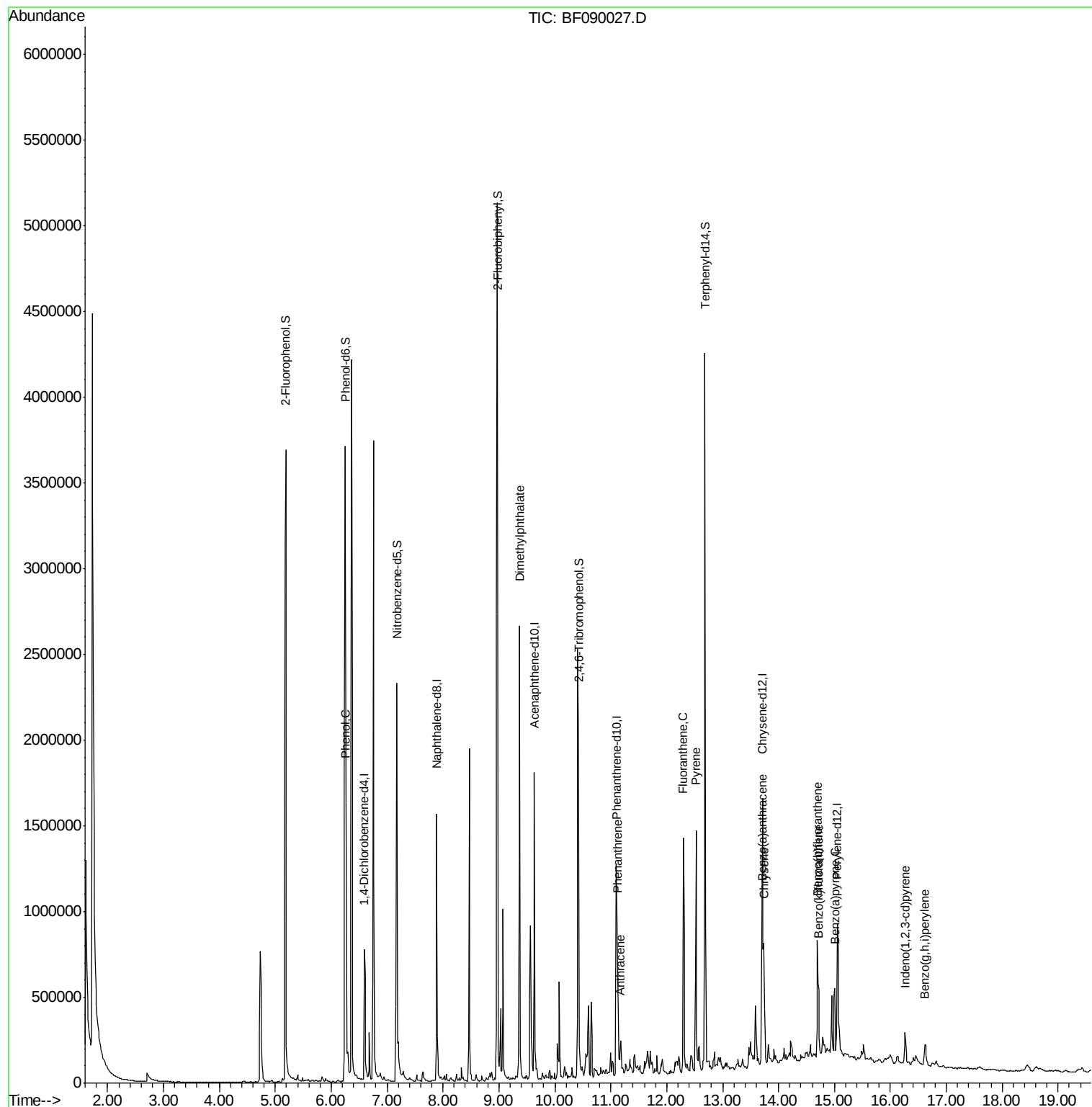
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090027.D
Acq On : 8 Sep 2016 16:29
Operator : UM/SJ
Sample : H4680-30
Misc :
ALS Vial : 6 Sample Multiplier: 1

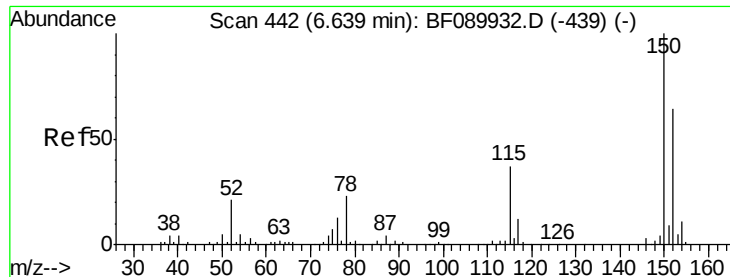
Instrument :
BNA_F
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Quant Time: Sep 08 17:06:37 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
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#1

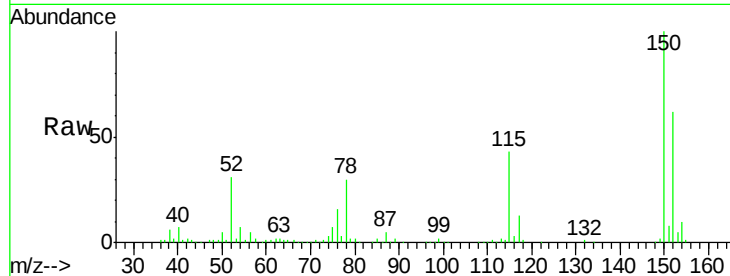
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF090027.D
Acq: 8 Sep 2016 16:29

Instrument :
BNA_F
ClientSampleId :
BH-26-1FT

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.3	127.4	191.2
115	69.4	46.3	69.5

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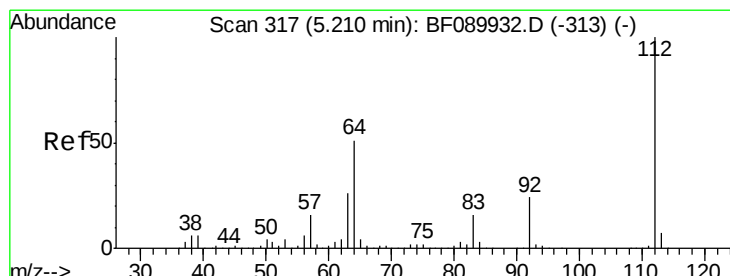
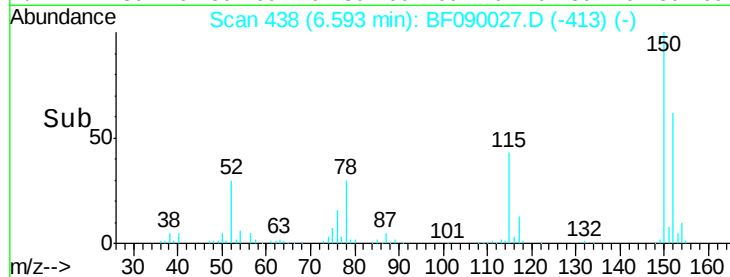
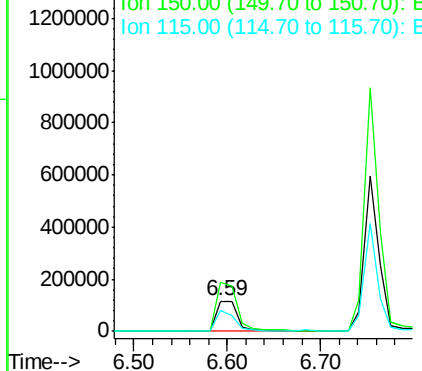


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

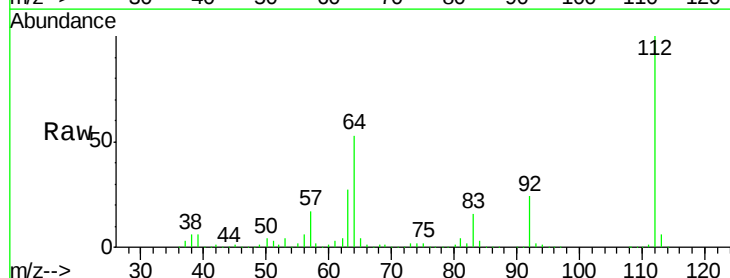
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 144.73 ng
RT: 5.19 min Scan# 315
Delta R.T. 0.02 min
Lab File: BF090027.D
Acq: 8 Sep 2016 16:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	41.1	61.7
63	27.4	21.2	31.8

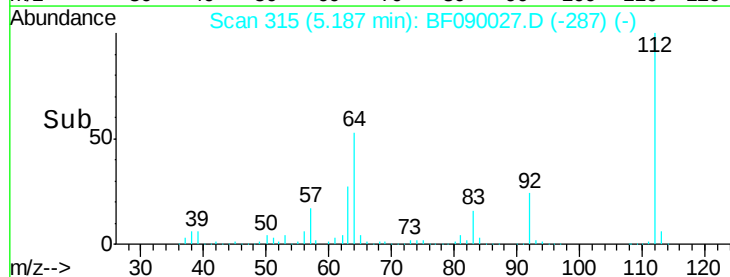
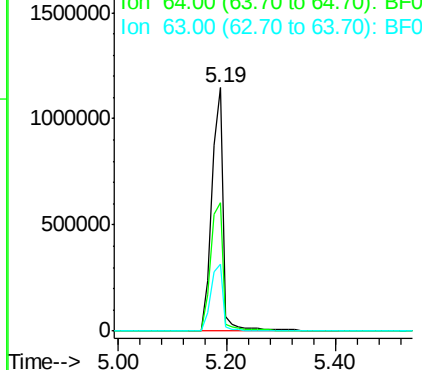


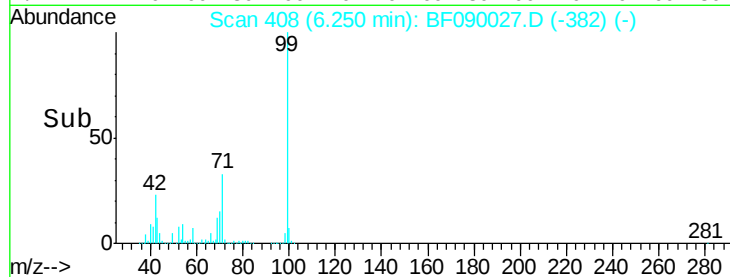
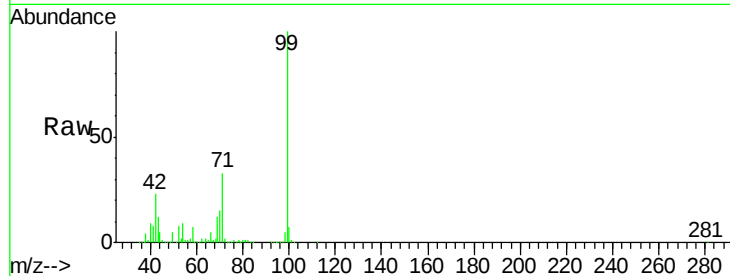
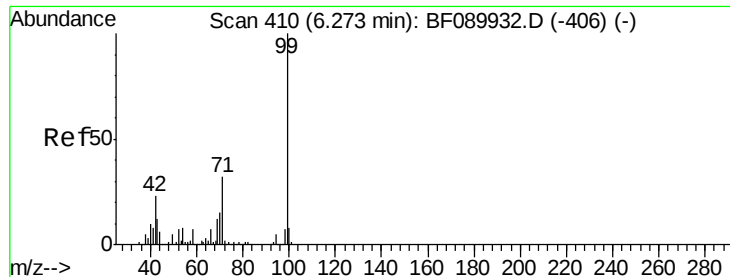
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 137.54 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF090027.D

Acq: 8 Sep 2016 16:29

Tgt Ion:	99	Resp:	1976781
Ion	Ratio	Lower	Upper
99	100		
42	23.3	18.6	27.8
71	33.1	25.8	38.6

Instrument :

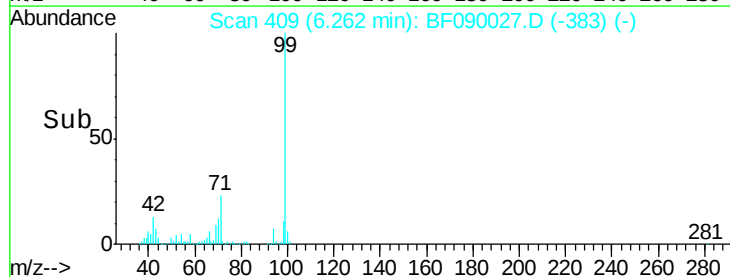
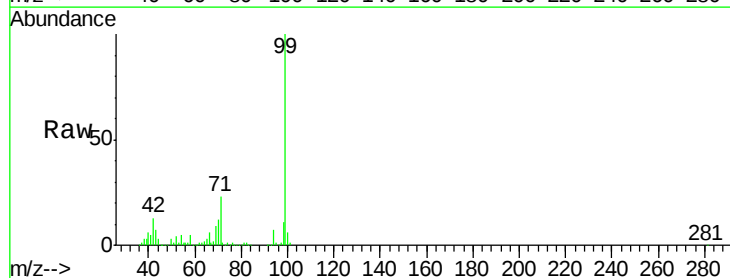
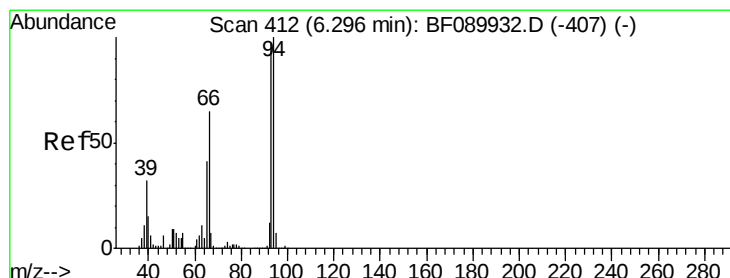
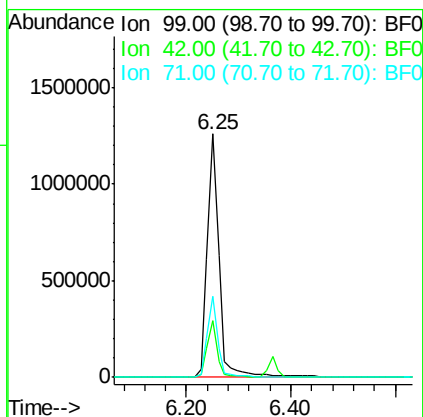
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#10

Phenol

Concen: 2.52 ng

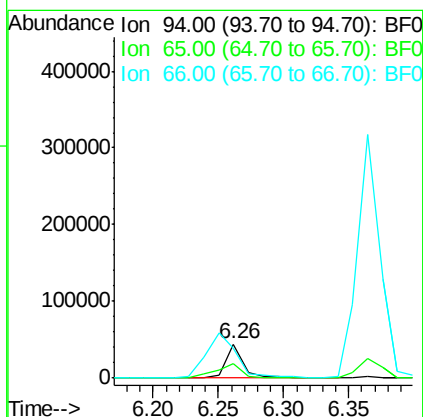
RT: 6.26 min Scan# 409

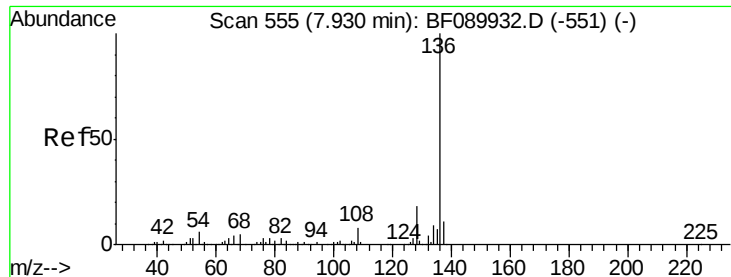
Delta R.T. 0.00 min

Lab File: BF090027.D

Acq: 8 Sep 2016 16:29

Tgt Ion:	94	Resp:	42136
Ion	Ratio	Lower	Upper
94	100		
65	42.5	23.2	63.2
66	87.4	49.2	89.2





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF090027.D

Acq: 8 Sep 2016 16:29

Instrument :

BNA_F

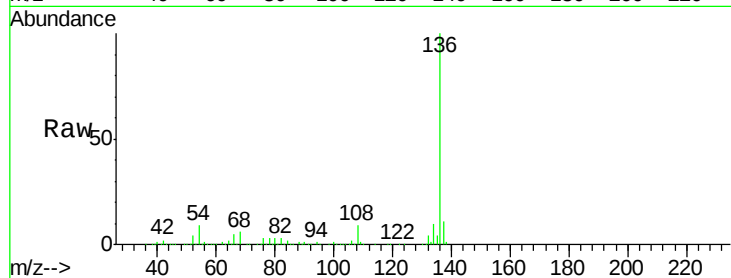
ClientSampleId :

BH-26-1FT

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	776254		
137	11.0	8.3	12.5	
54	9.0	4.8	7.2#	
68	6.0	3.7	5.5#	

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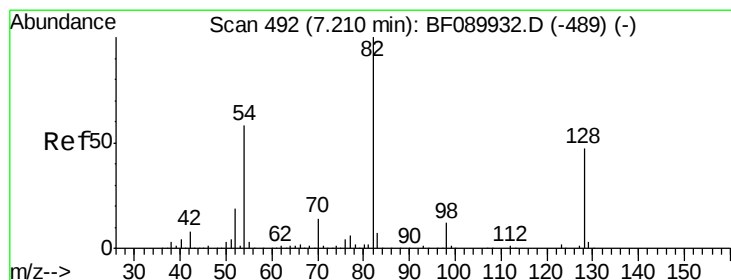
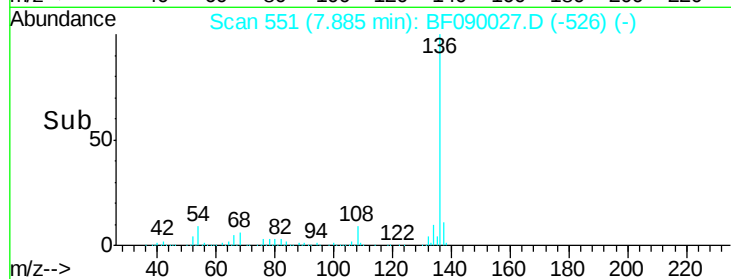
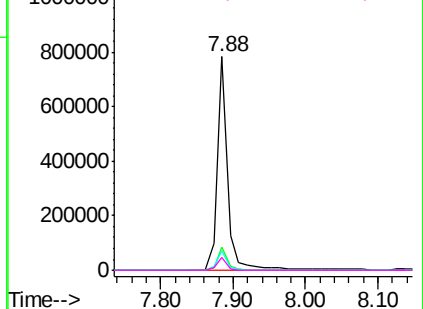


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 98.13 ng

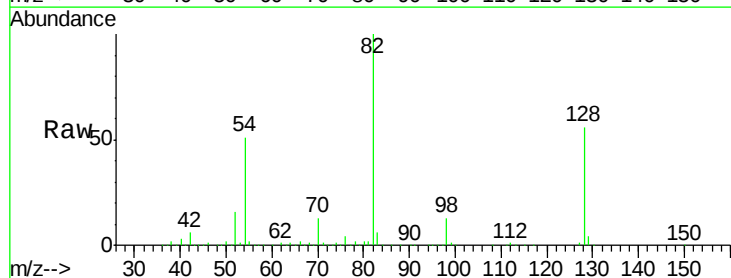
RT: 7.18 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF090027.D

Acq: 8 Sep 2016 16:29

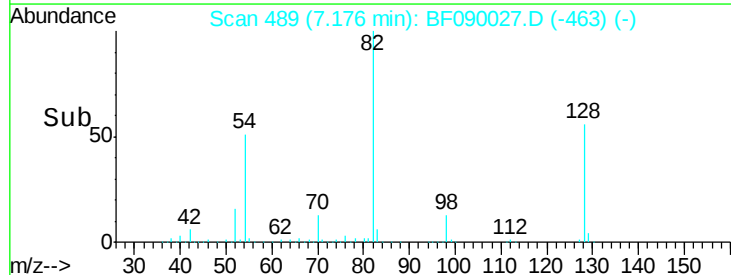
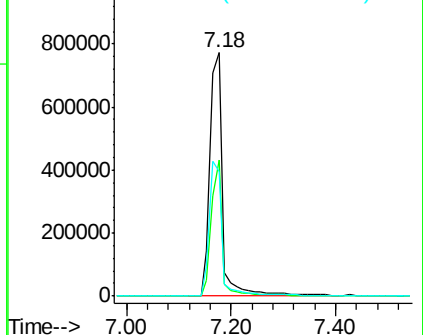
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1313376		
128	56.1	37.8	56.8	
54	50.9	46.9	70.3	

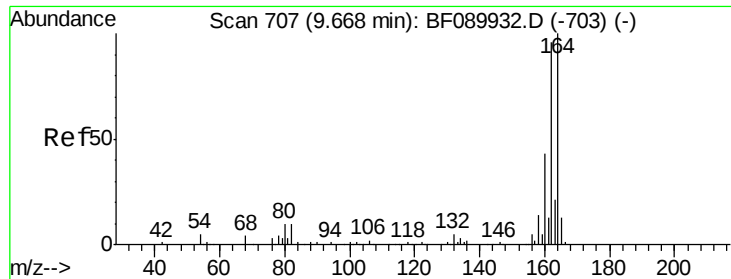


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





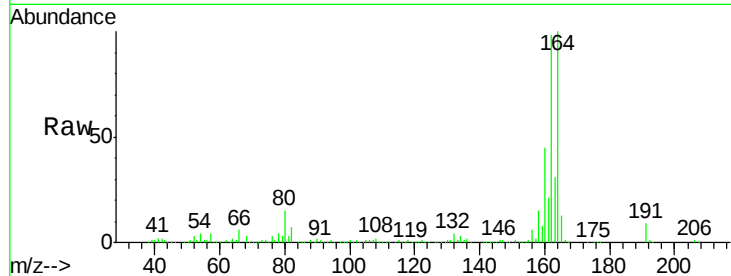
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. 0.00 min
Lab File: BF090027.D
Acq: 8 Sep 2016 16:29

Instrument :
BNA_F
ClientSampled :
BH-26-1FT

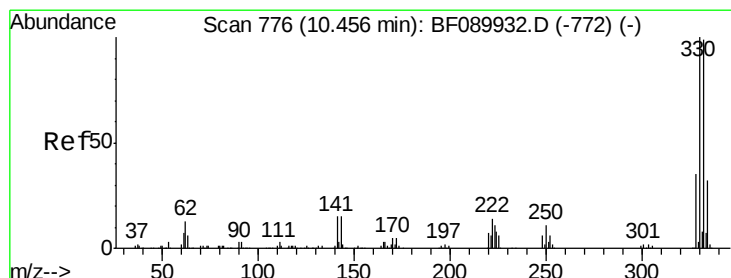
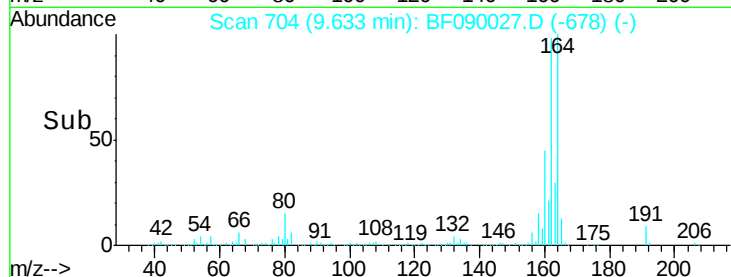
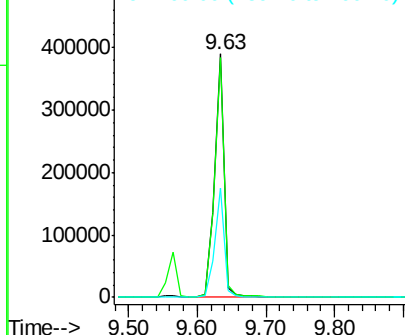
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	383692		
162	98.4	77.1	115.7	
160	44.6	35.3	52.9	

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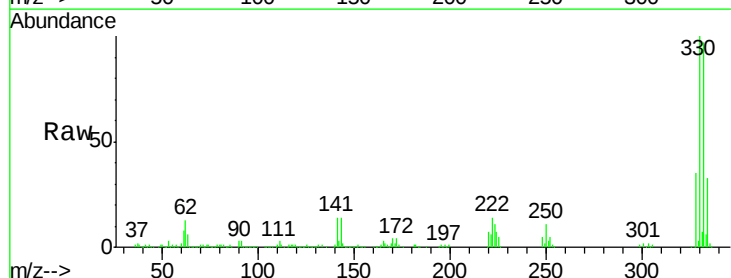


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

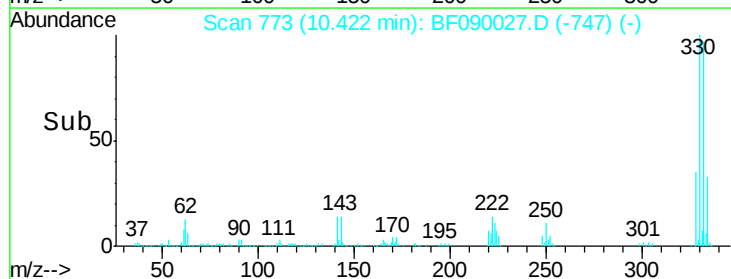
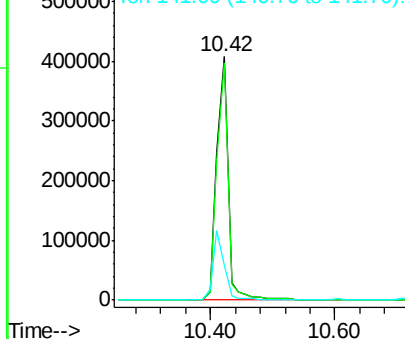


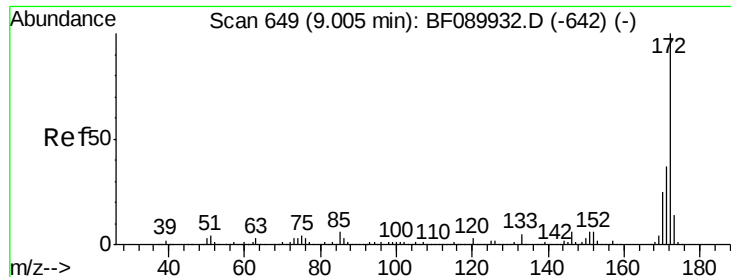
#41
2,4,6-Tribromophenol
Concen: 135.79 ng
RT: 10.42 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF090027.D
Acq: 8 Sep 2016 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	514014		
332	96.6	78.6	117.8	
141	28.5	23.3	34.9	



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





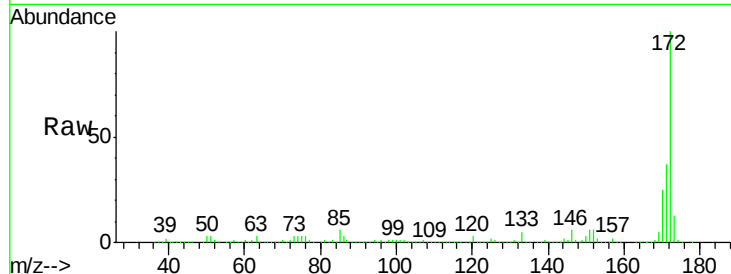
#44
 2-Fluorobiphenyl
 Concen: 89.43 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF090027.D
 Acq: 8 Sep 2016 16:29

Instrument :
 BNA_F
 ClientSampleId :
 BH-26-1FT

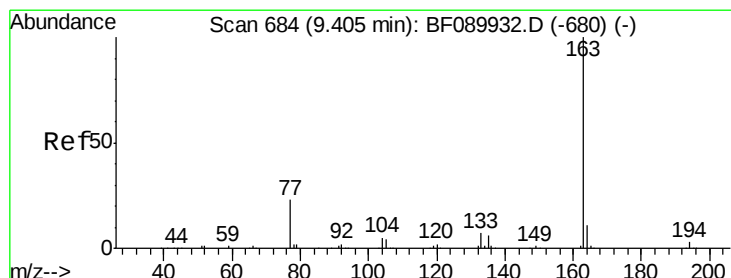
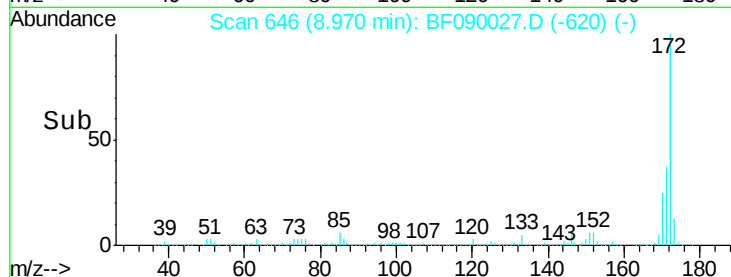
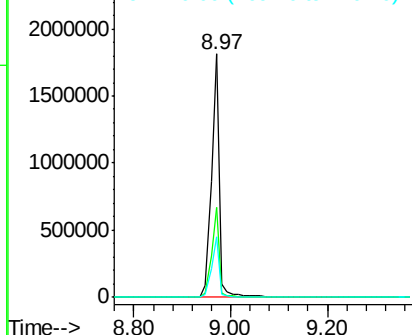
Tgt Ion:172 Resp: 2090292
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.4 44.2
 170 25.0 20.1 30.1

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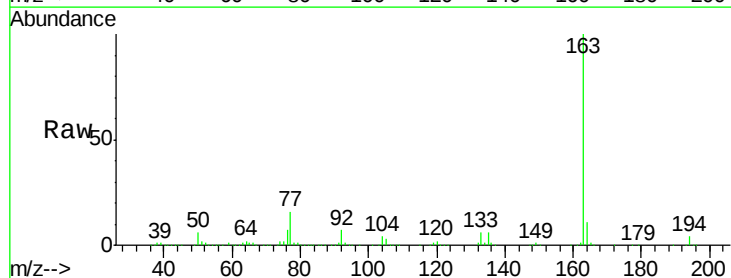


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

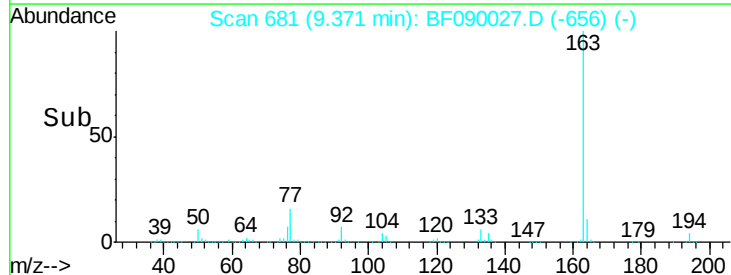
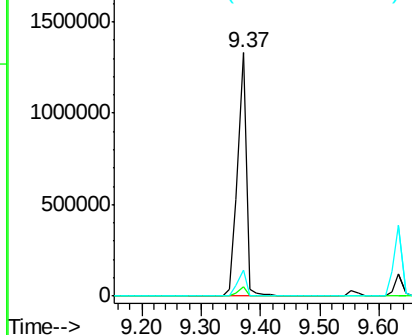


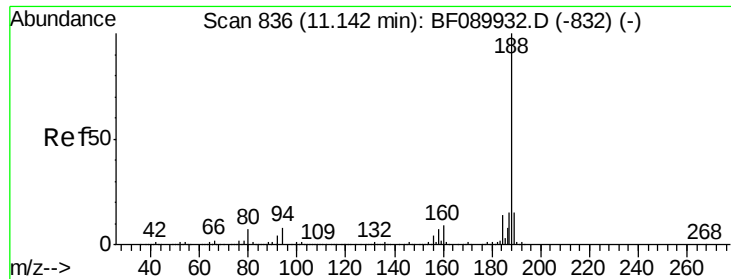
#49
 Dimethylphthalate
 Concen: 49.42 ng
 RT: 9.37 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF090027.D
 Acq: 8 Sep 2016 16:29

Tgt Ion:163 Resp: 1370523
 Ion Ratio Lower Upper
 163 100
 194 3.9 2.7 4.1
 164 10.7 9.0 13.4



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





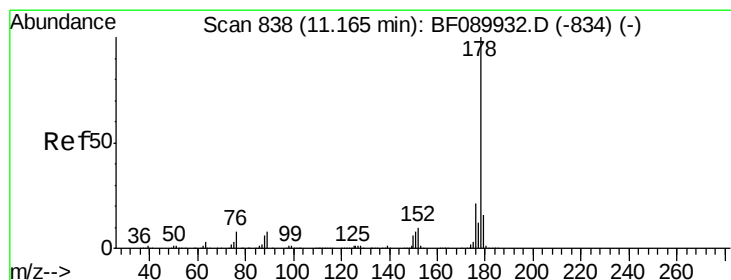
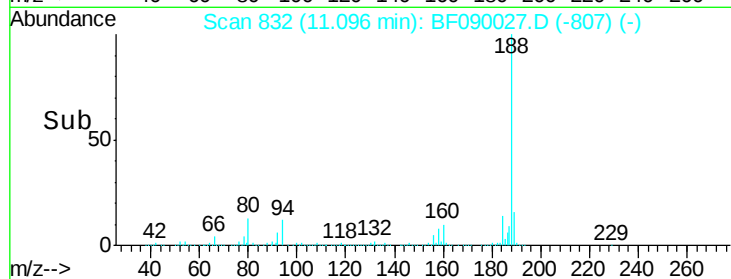
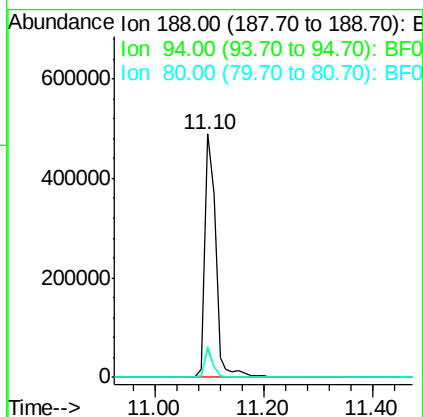
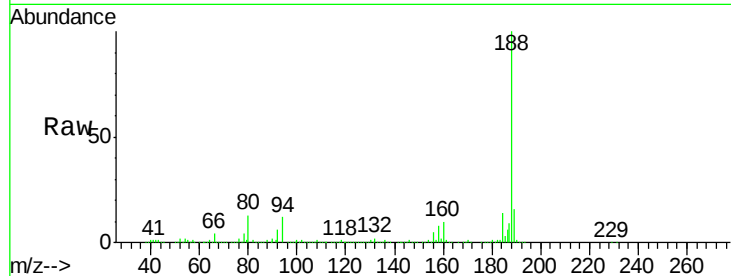
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF090027.D
Acq: 8 Sep 2016 16:29

Instrument :
BNA_F
ClientSampleId :
BH-26-1FT

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.7	5.9	8.9#
80	12.7	5.8	8.8#

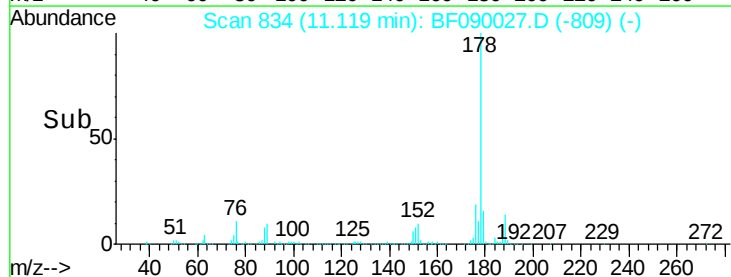
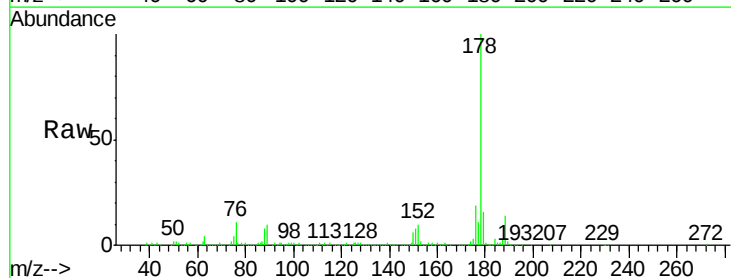
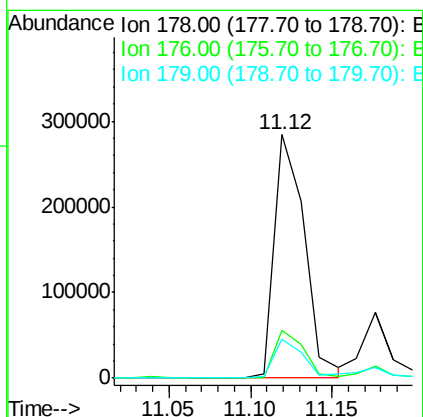
Manual Integrations
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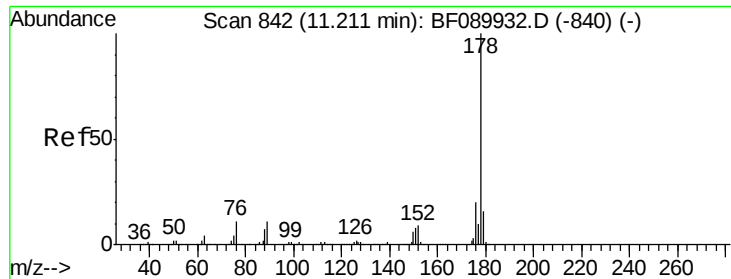
Sohil
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#70
Phenanthrene
Concen: 10.83 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF090027.D
Acq: 8 Sep 2016 16:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	16.5	24.7
179	15.7	12.8	19.2





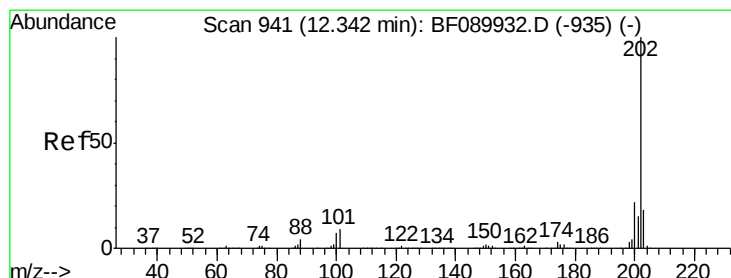
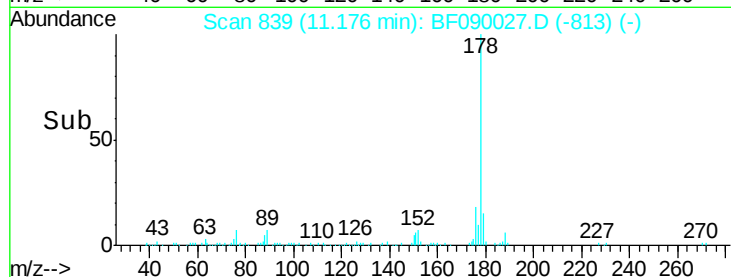
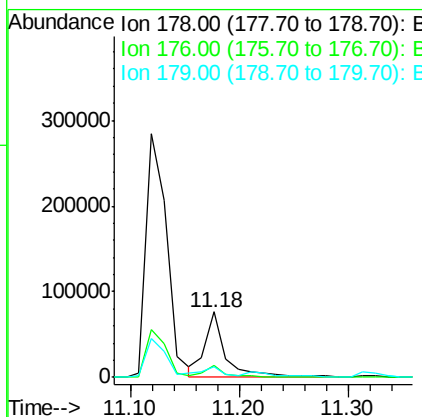
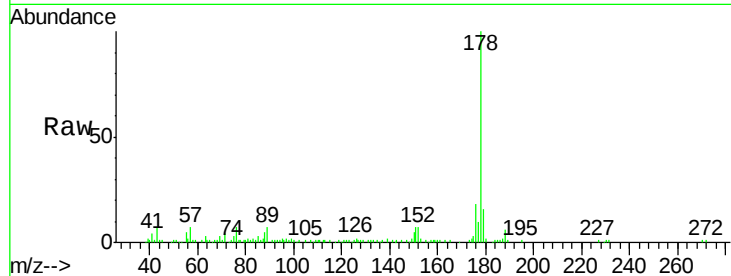
#71
 Anthracene
 Concen: 2.90 ng
 RT: 11.18 min Scan# 839
 Delta R.T. 0.00 min
 Lab File: BF090027.D
 Acq: 8 Sep 2016 16:29

Instrument :
 BNA_F
 ClientSampleId :
 BH-26-1FT

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.7	13.0	19.4

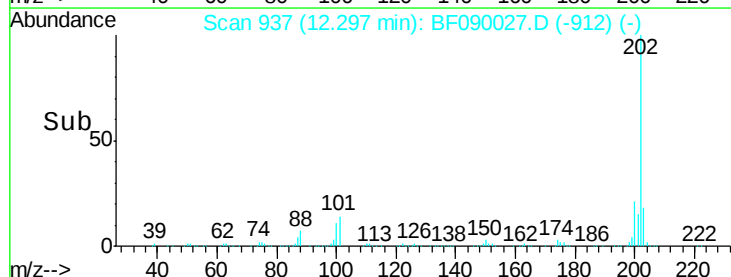
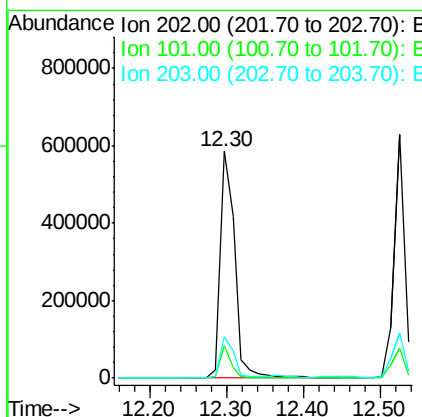
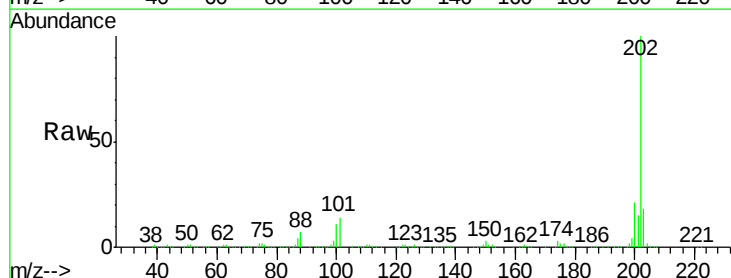
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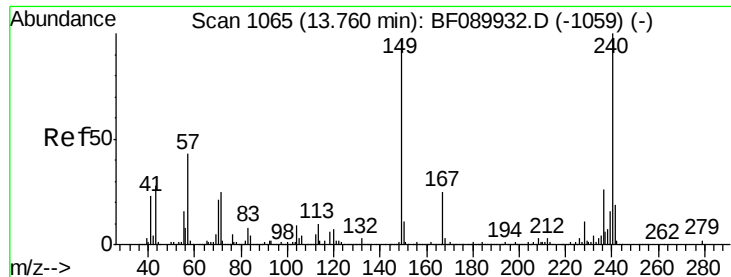
Sohil
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#74
 Fluoranthene
 Concen: 21.89 ng
 RT: 12.30 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BF090027.D
 Acq: 8 Sep 2016 16:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	28.5
203	18.3	0.0	38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF090027.D

Acq: 8 Sep 2016 16:29

Instrument :

BNA_F

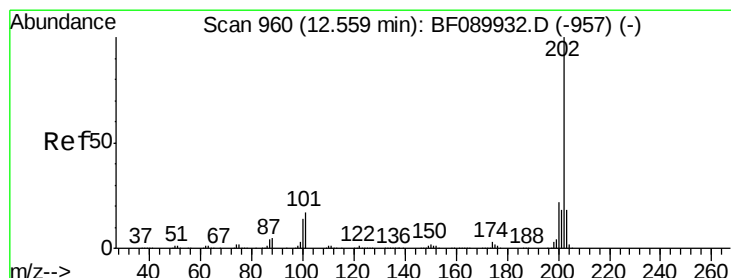
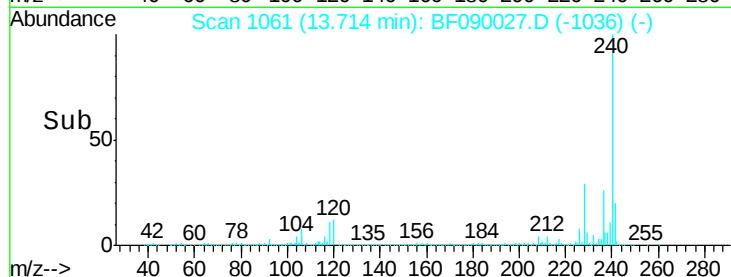
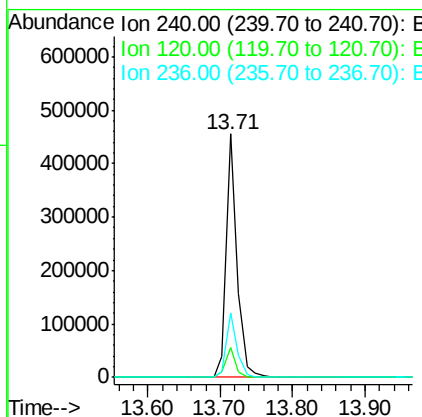
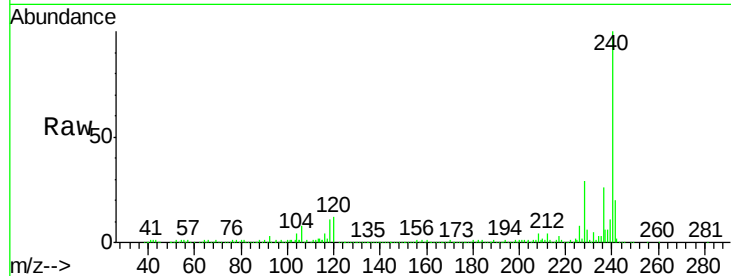
ClientSampleId :

BH-26-1FT

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.1	5.7	8.5#
236	26.5	21.3	31.9

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#77

Pyrene

Concen: 18.66 ng

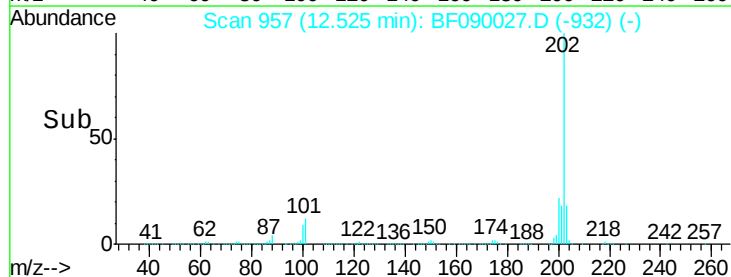
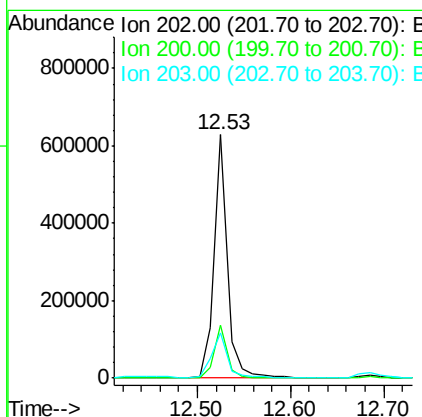
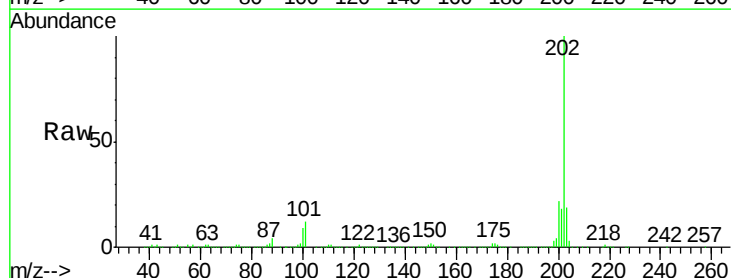
RT: 12.53 min Scan# 957

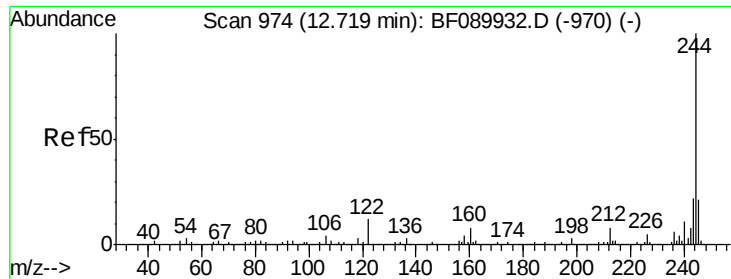
Delta R.T. -0.01 min

Lab File: BF090027.D

Acq: 8 Sep 2016 16:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	18.6	14.6	21.8





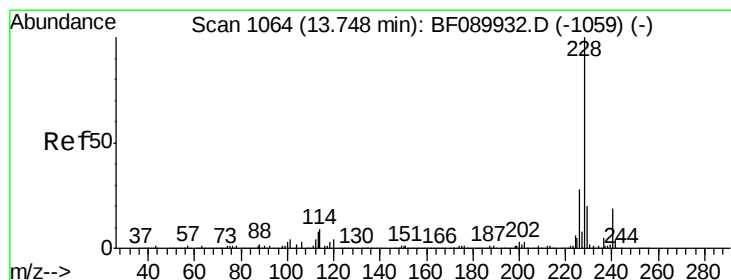
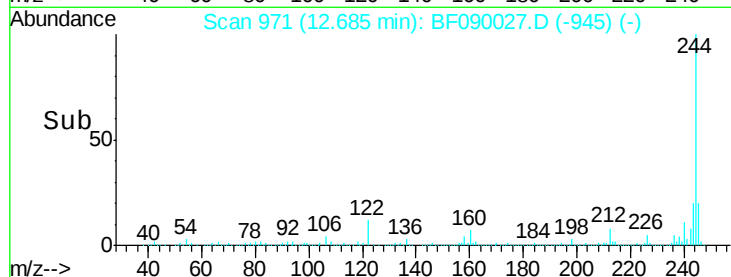
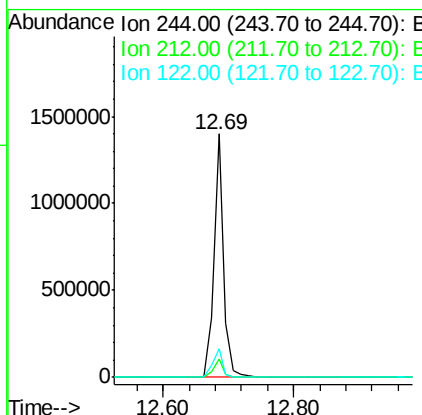
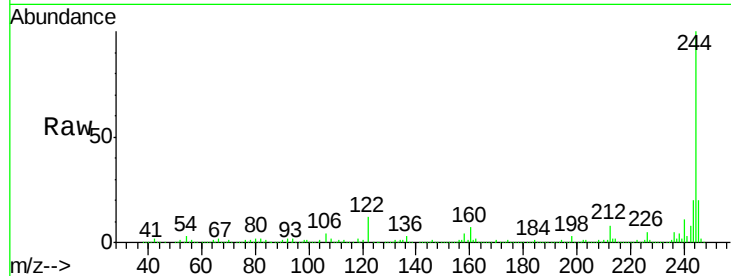
#78
 Terphenyl-d14
 Concen: 76.48 ng
 RT: 12.69 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: BF090027.D
 Acq: 8 Sep 2016 16:29

Instrument :
 BNA_F
 ClientSampleId :
 BH-26-1FT

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.1	9.1
122	11.8	9.6	14.4

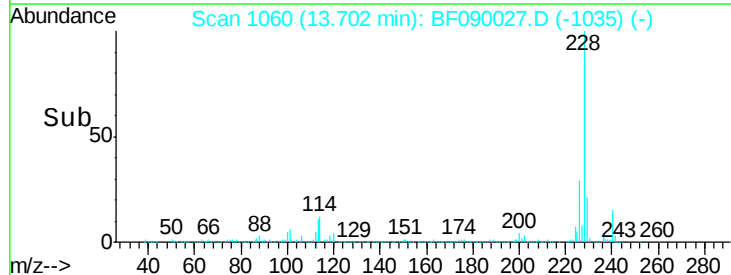
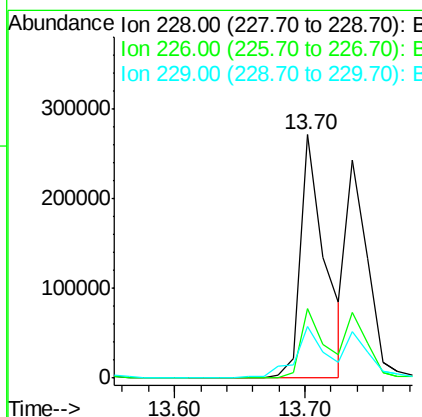
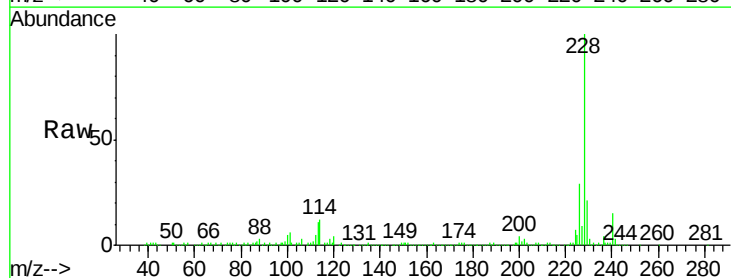
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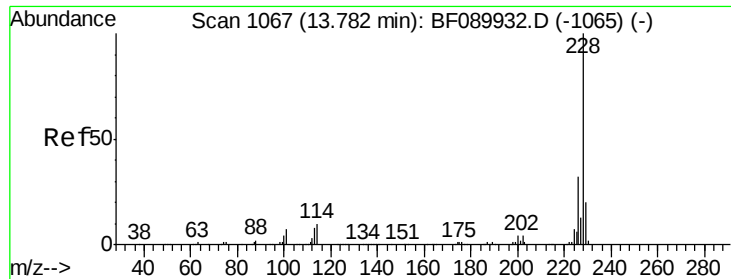
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#80
 Benzo(a)anthracene
 Concen: 12.17 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: BF090027.D
 Acq: 8 Sep 2016 16:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.2	33.2
229	21.2	15.8	23.6





#82

Chrysene

Concen: 10.32 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF090027.D

Acq: 8 Sep 2016 16:29

Instrument :

BNA_F

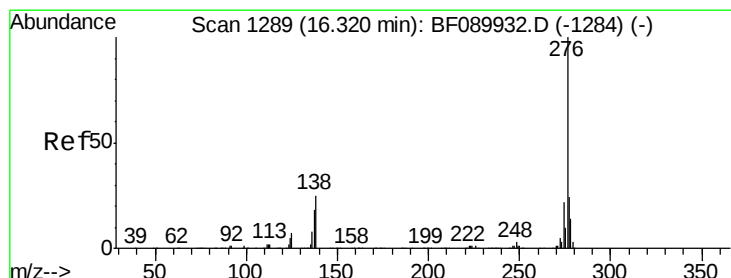
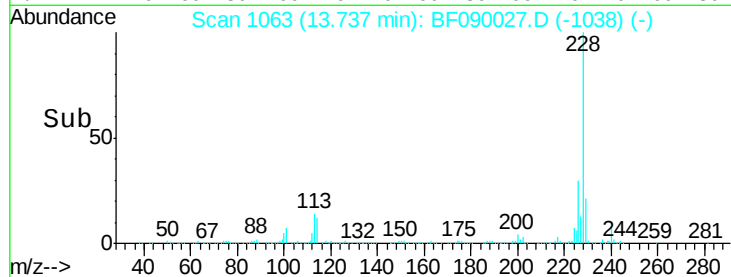
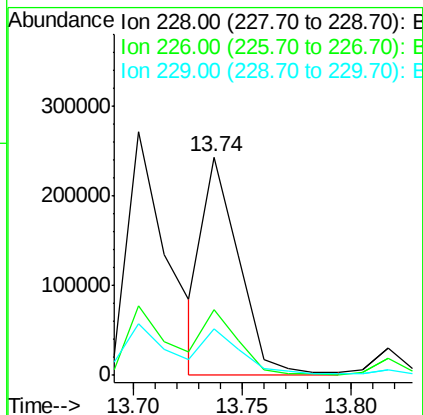
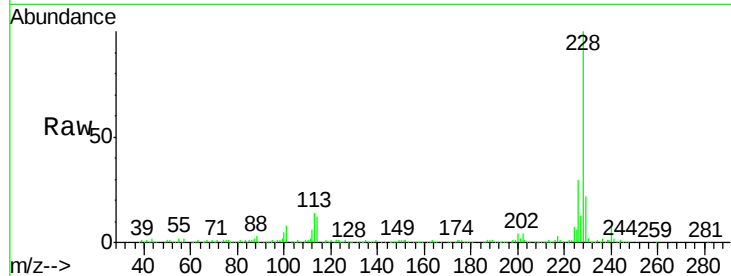
ClientSampleId :

BH-26-1FT

Tgt Ion:	228	Resp:	279518
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.2	37.8
229	21.5	16.2	24.2

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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.50 ng

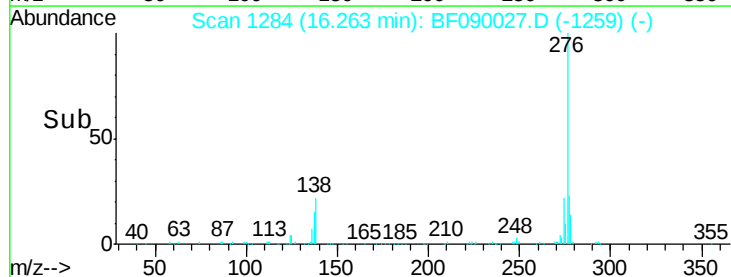
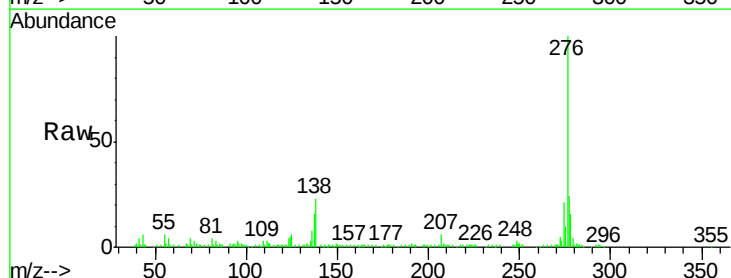
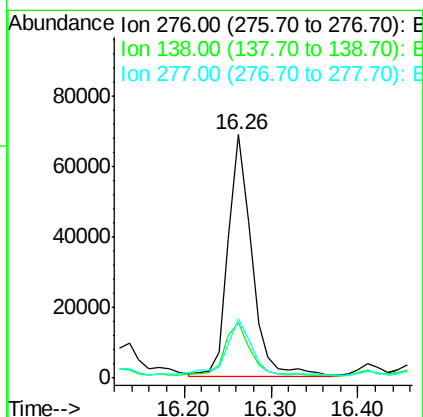
RT: 16.26 min Scan# 1284

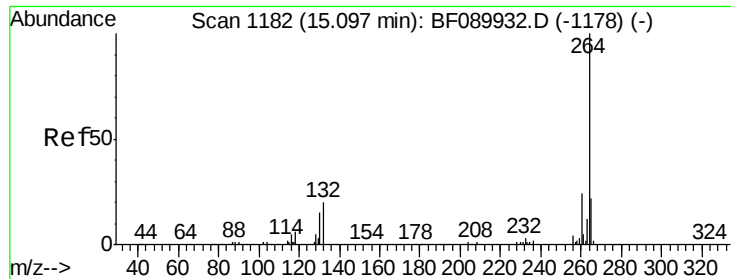
Delta R.T. -0.01 min

Lab File: BF090027.D

Acq: 8 Sep 2016 16:29

Tgt Ion:	276	Resp:	130280
Ion Ratio	Lower	Upper	
276	100		
138	25.8	22.6	34.0
277	26.4	20.1	30.1





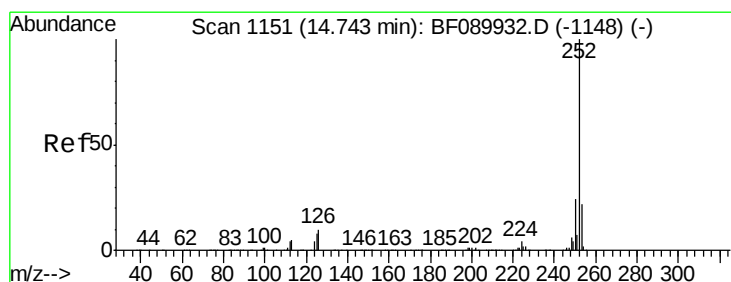
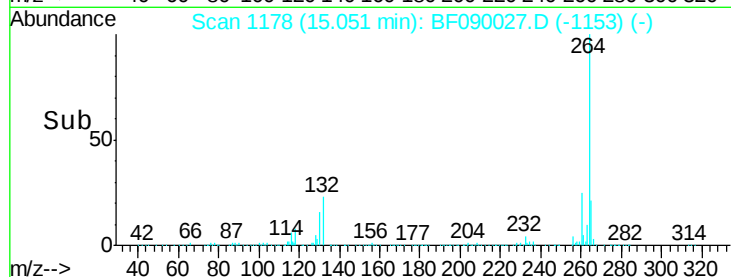
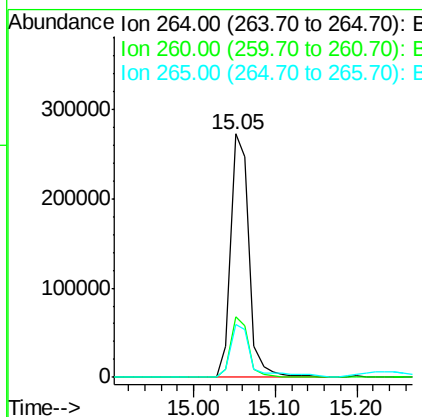
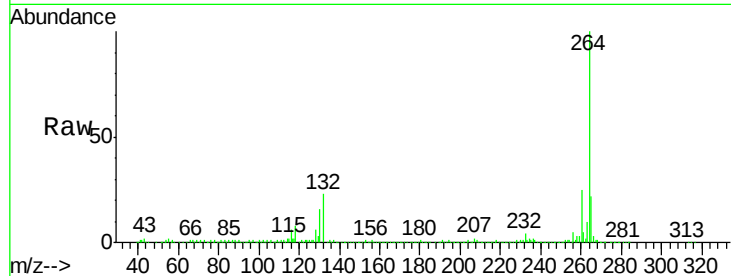
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF090027.D
Acq: 8 Sep 2016 16:29

Instrument :
BNA_F
ClientSampleId :
BH-26-1FT

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	426899		
260	24.9	19.4	29.0	
265	21.5	17.4	26.2	

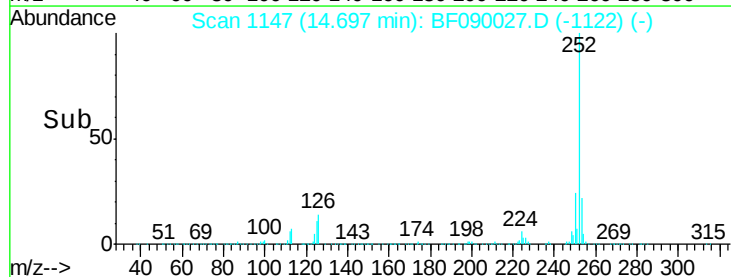
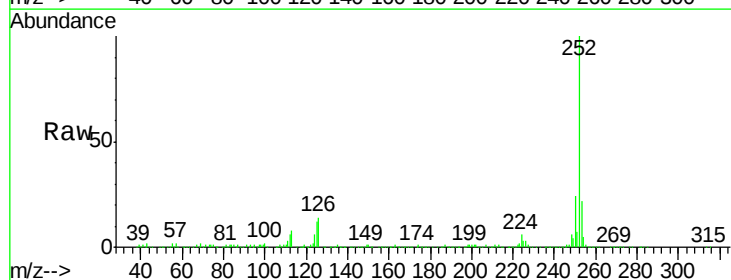
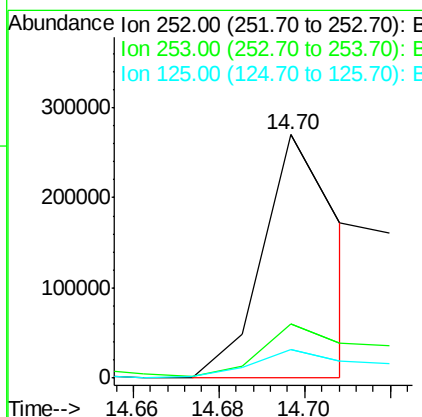
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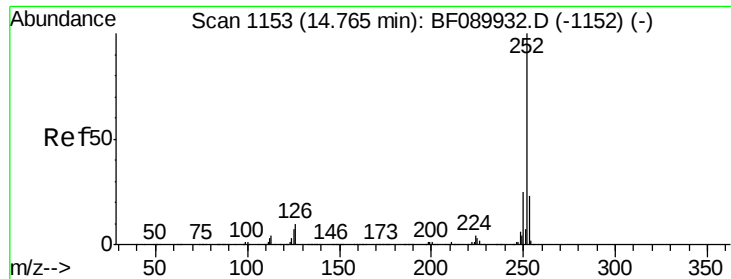
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#87
Benzo(b)fluoranthene
Concen: 12.57 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF090027.D
Acq: 8 Sep 2016 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	336196		
253	22.3	18.0	27.0	
125	11.7	5.7	8.5#	





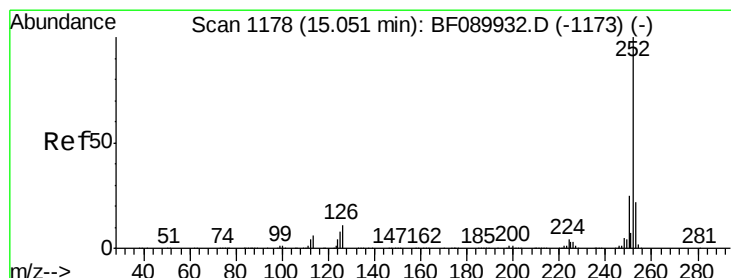
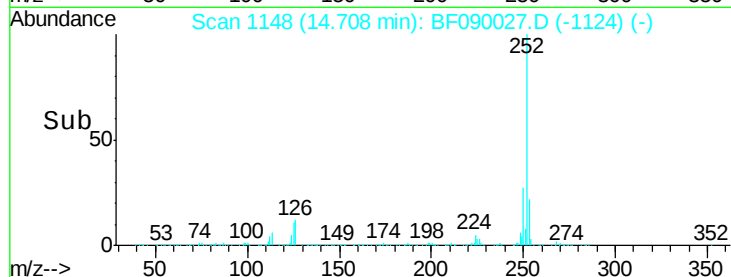
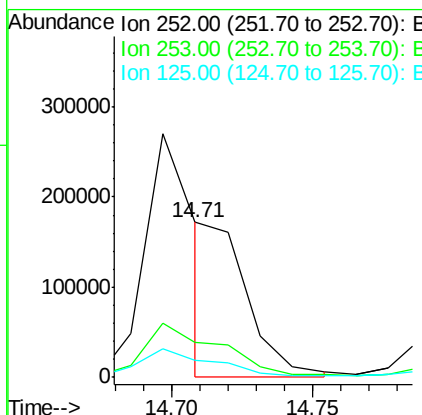
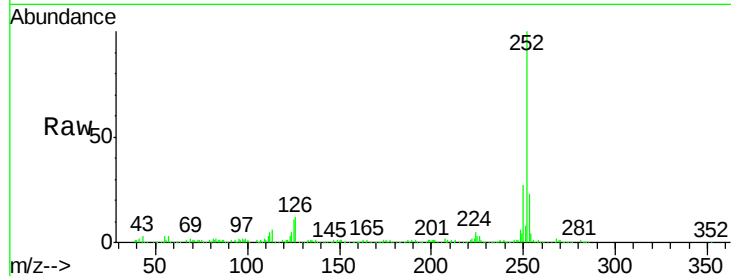
#88
Benzo(k)fluoranthene
Concen: 6.77 ng m
RT: 14.71 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF090027.D
Acq: 8 Sep 2016 16:29

Instrument :
BNA_F
ClientSampleId :
BH-26-1FT

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	11.3	7.3	10.9

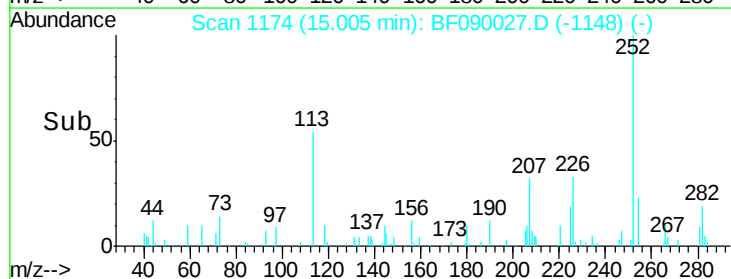
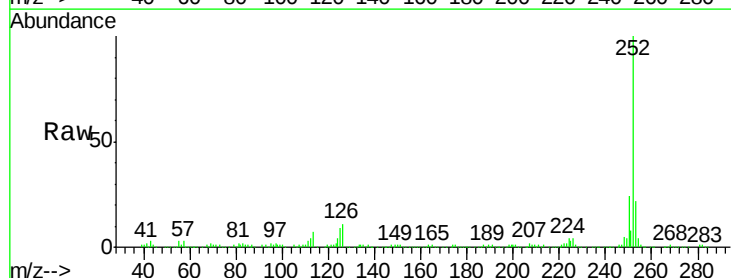
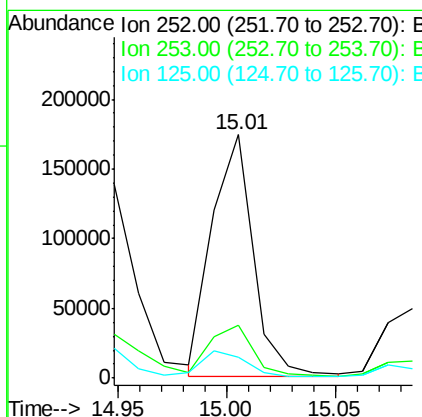
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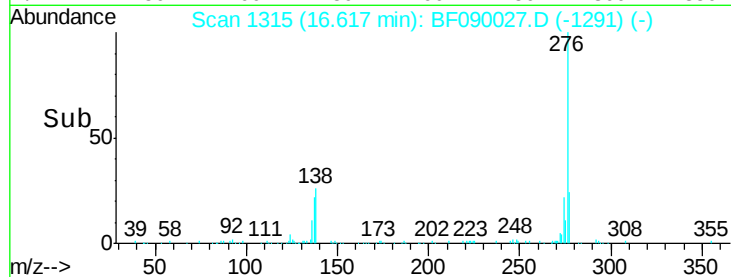
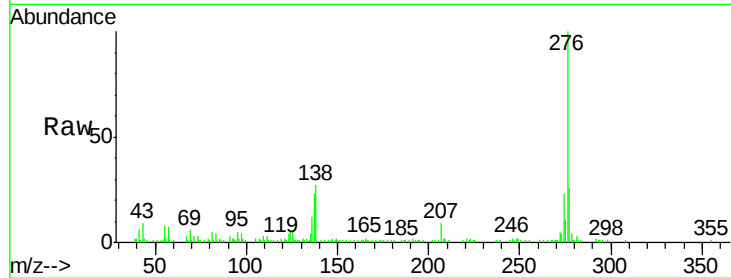
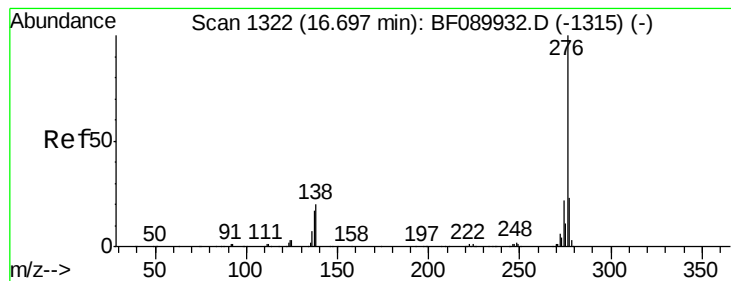
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#89
Benzo(a)pyrene
Concen: 10.11 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF090027.D
Acq: 8 Sep 2016 16:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	8.8	6.3	9.5





#91

Benzo(g,h,i)perylene

Concen: 6.43 ng

RT: 16.62 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF090027.D

Acq: 8 Sep 2016 16:29

Instrument :

BNA_F

ClientSampleId :

BH-26-1FT

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
277	25.6	19.0	28.4		
138	27.1	16.4	24.6		

Manual Integrations
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