

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
 Data File : BF089196.D
 Acq On : 22 Jul 2016 14:41
 Operator : UM/SJ
 Sample : H4150-01 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-1

Manual Integrations
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Quant Time: Jul 22 16:05:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	50550	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	225698	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	92771	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	159172	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	102105	20.00	ng	-0.01
86) Perylene-d12	15.06	264	115757	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	27386	8.24	ng	-0.01
7) Phenol-d6	6.25	99	42325	9.87	ng	-0.02
23) Nitrobenzene-d5	7.16	82	25290	5.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.40	330	5656	6.77	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	40789	6.06	ng	-0.02
78) Terphenyl-d14	12.67	244	21462	4.56	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.35	163	18111	2.54	ng	98
51) Acenaphthene	9.64	154	14373	2.43	ng	98
70) Phenanthrene	11.12	178	227949	26.11	ng	99
71) Anthracene	11.16	178	46442	5.12	ng	99
74) Fluoranthene	12.30	202	279383	30.44	ng	95
77) Pyrene	12.53	202	251363	29.81	ng	99
80) Benzo(a)anthracene	13.70	228	93707m	14.41	ng	
82) Chrysene	13.74	228	94182m	15.16	ng	
85) Indeno(1,2,3-cd)pyrene	16.27	276	57574	12.76	ng	97
87) Benzo(b)fluoranthene	14.70	252	105349m	12.57	ng	
88) Benzo(k)fluoranthene	14.71	252	48436m	8.08	ng	
89) Benzo(a)pyrene	15.01	252	91358m	14.04	ng	
90) Dibenzo(a,h)anthracene	16.27	278	10482m	2.04	ng	
91) Benzo(g,h,i)perylene	16.64	276	53286	10.28	ng	100

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

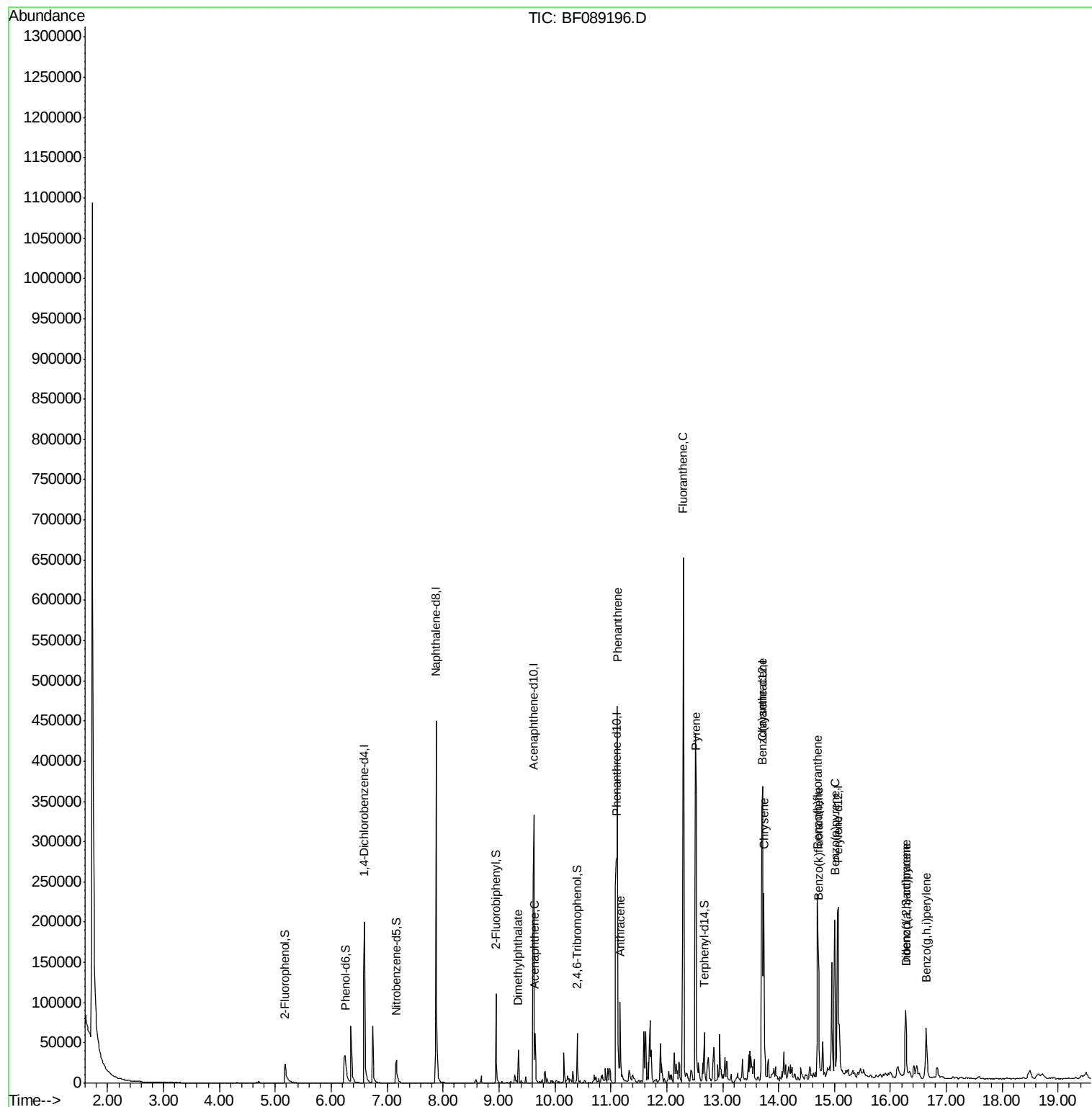
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
Data File : BF089196.D
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ALS Vial : 36 Sample Multiplier: 1

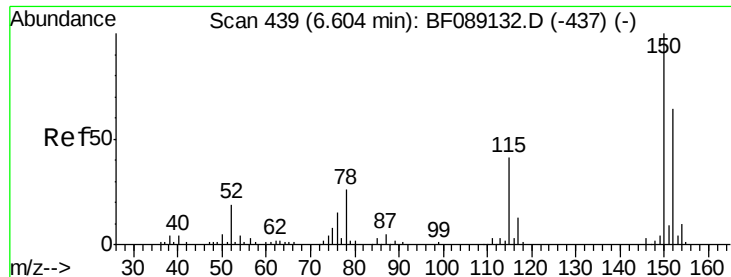
Instrument :
BNA_F
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TS-1

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
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#1

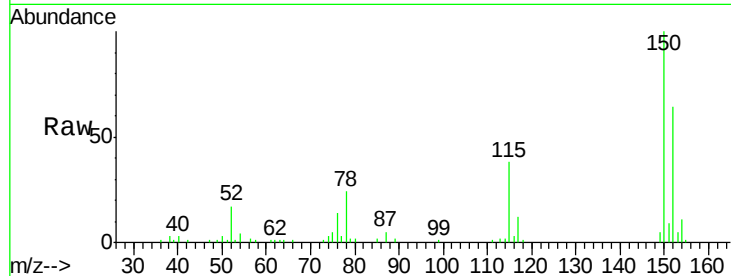
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF089196.D
Acq: 22 Jul 2016 14:41

Instrument :
BNA_F
ClientSampled :
TS-1

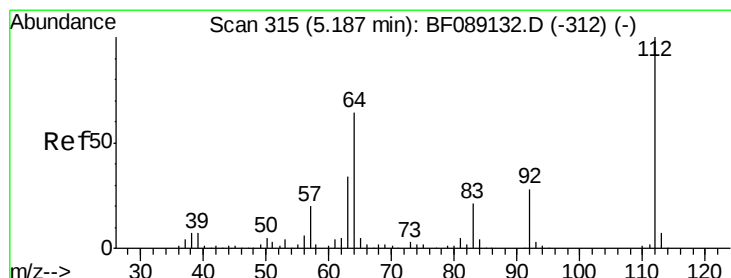
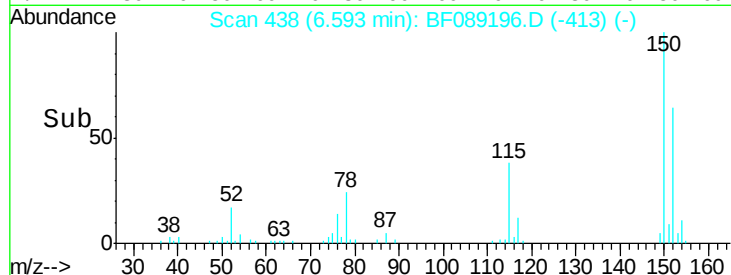
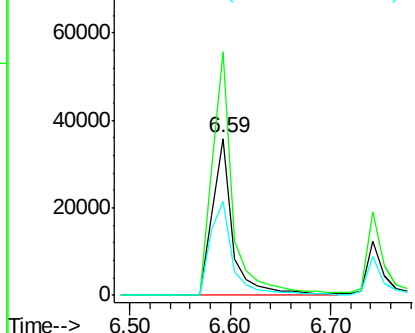
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.1	187.7
115	59.8	51.1	76.7

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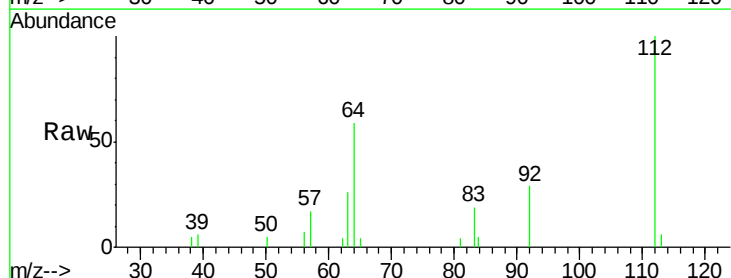
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



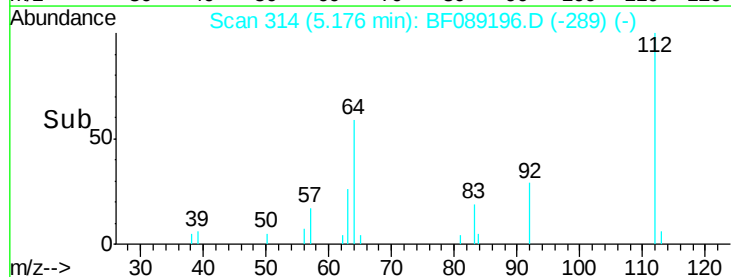
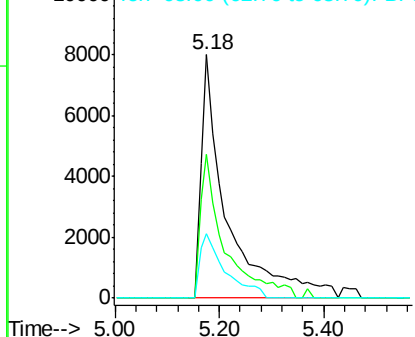
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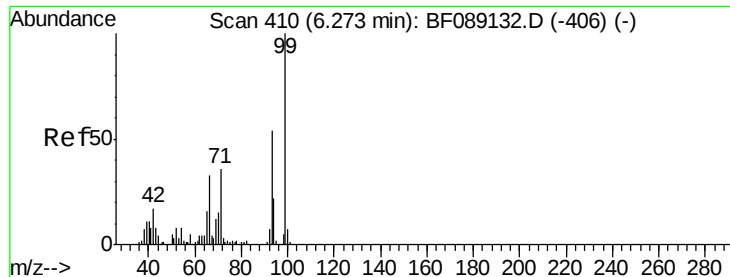
2-Fluorophenol
Concen: 8.24 ng
RT: 5.18 min Scan# 314
Delta R.T. -0.01 min
Lab File: BF089196.D
Acq: 22 Jul 2016 14:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	51.0	76.4
63	26.2	27.3	40.9#



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: 9.87 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF089196.D

Acq: 22 Jul 2016 14:41

Instrument :

BNA_F

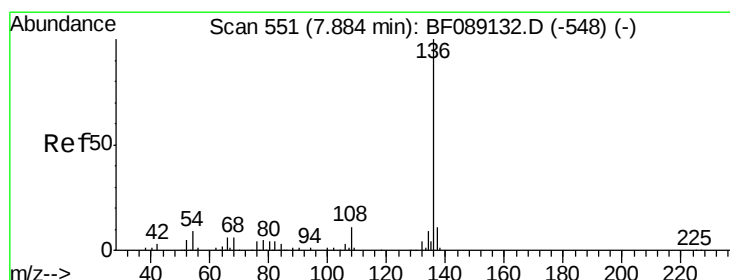
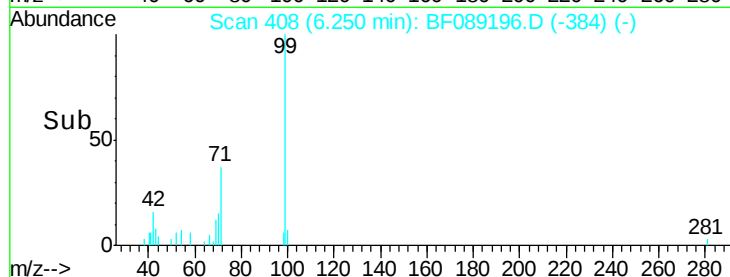
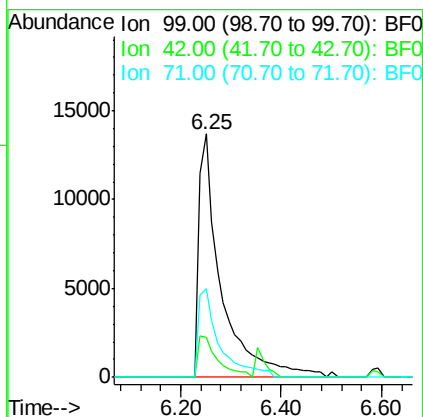
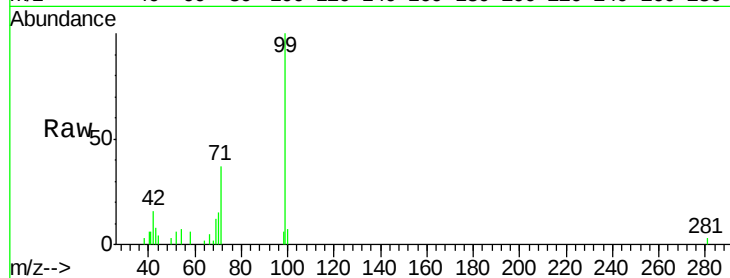
ClientSampleId :

TS-1

Tgt Ion:	99	Resp:	42325
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.5	20.3
71	36.7	28.9	43.3

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#21

Naphthalene-d8

Concen: 20.00 ng

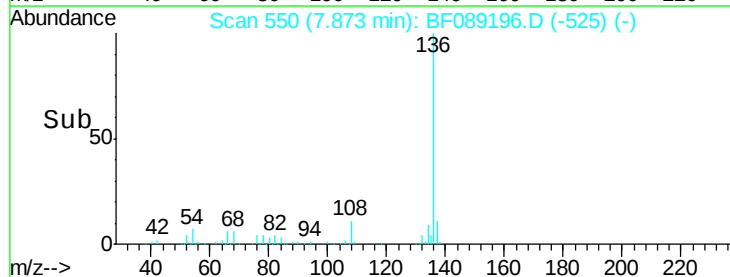
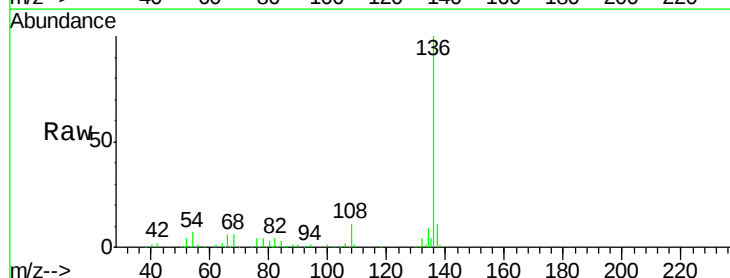
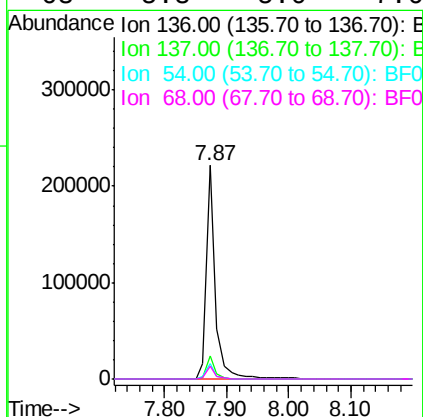
RT: 7.87 min Scan# 550

Delta R.T. -0.01 min

Lab File: BF089196.D

Acq: 22 Jul 2016 14:41

Tgt Ion:	136	Resp:	225698
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	7.2	7.0	10.4
68	5.8	5.0	7.6





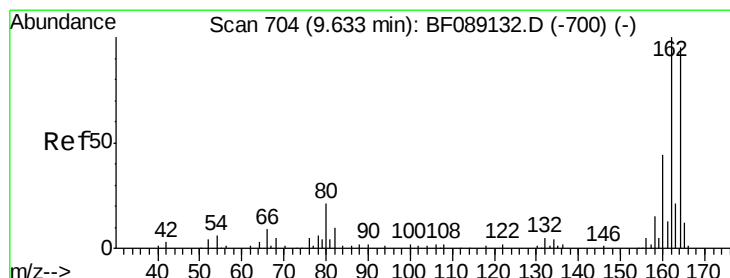
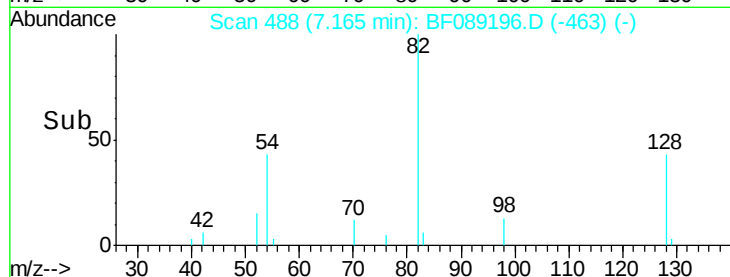
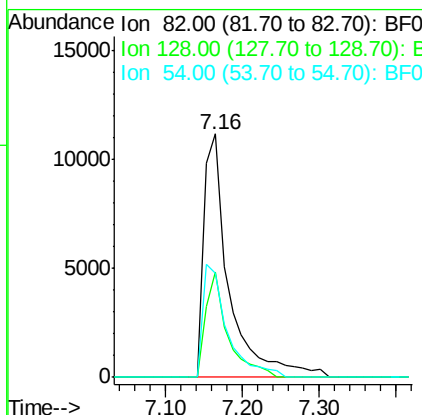
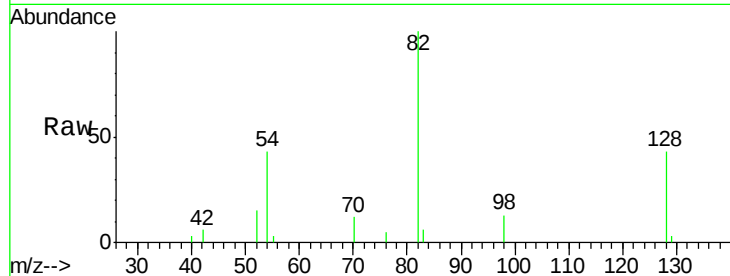
#23
 Nitrobenzene-d5
 Concen: 5.95 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF089196.D
 Acq: 22 Jul 2016 14:41

Instrument :
 BNA_F
 ClientSampled :
 TS-1

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.0	49.6
54	42.8	39.0	58.4

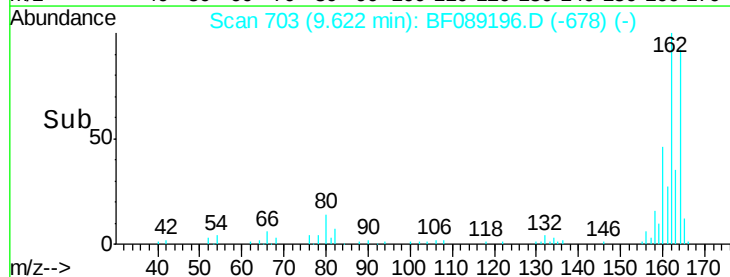
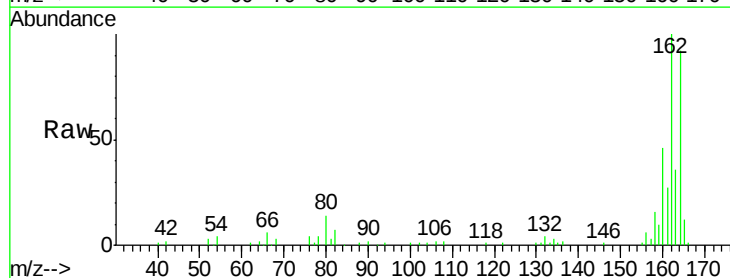
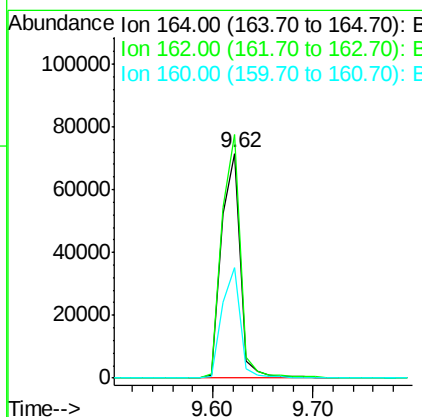
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: BF089196.D
 Acq: 22 Jul 2016 14:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.3	84.1	126.1
160	49.3	37.1	55.7





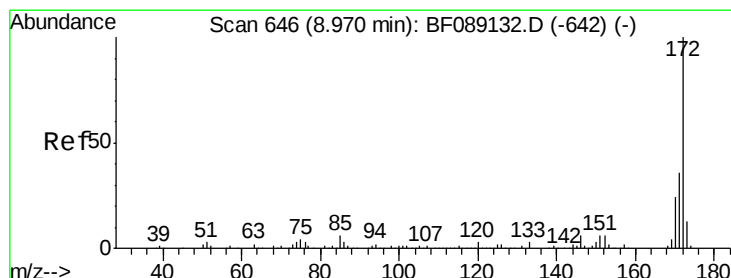
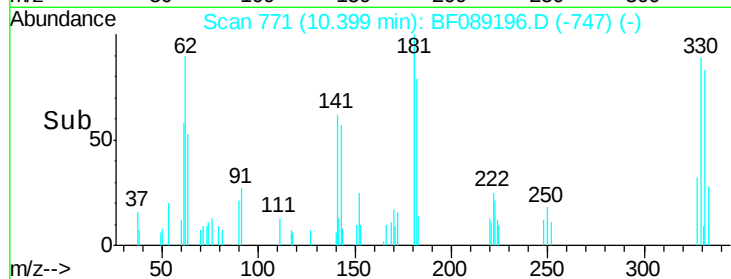
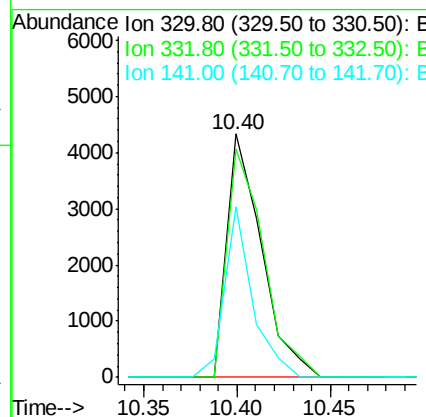
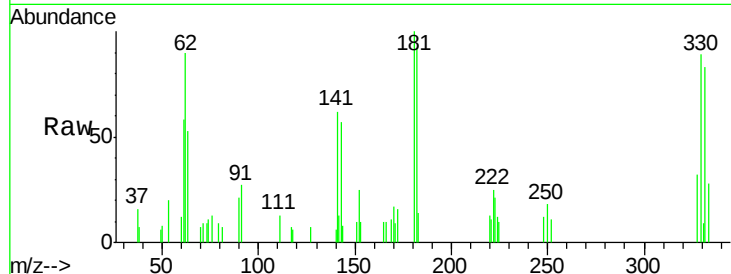
#41
 2,4,6-Tribromophenol
 Concen: 6.77 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BF089196.D
 Acq: 22 Jul 2016 14:41

Instrument :
 BNA_F
 ClientSampled :
 TS-1

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	5656		
332	99.1	77.2	115.8	
141	56.4	42.2	63.2	

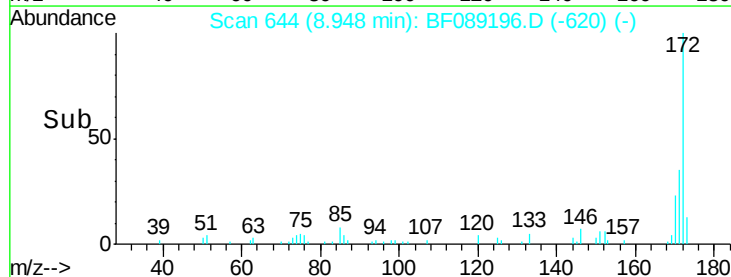
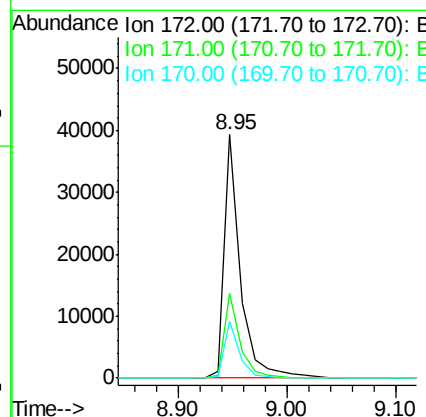
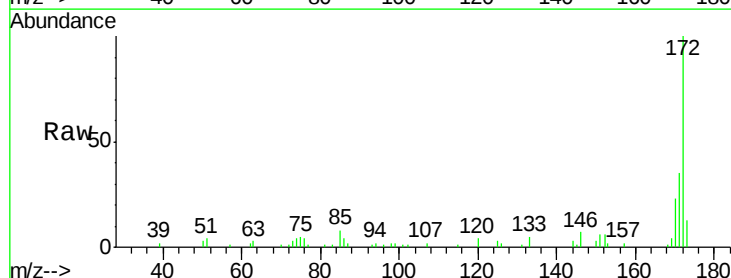
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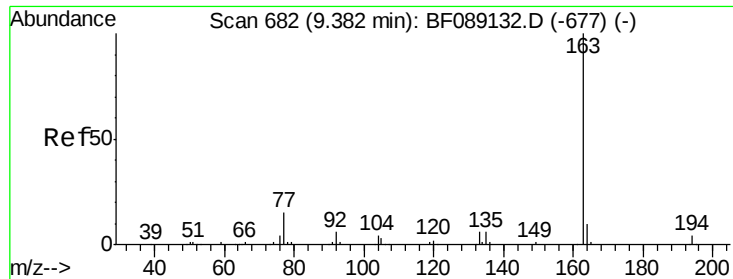
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#44
 2-Fluorobiphenyl
 Concen: 6.06 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089196.D
 Acq: 22 Jul 2016 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	40789		
171	35.0	29.2	43.8	
170	23.3	19.1	28.7	





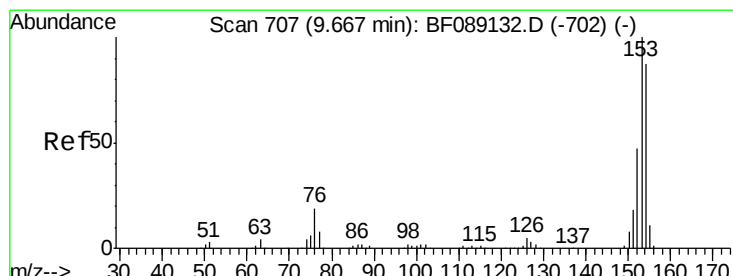
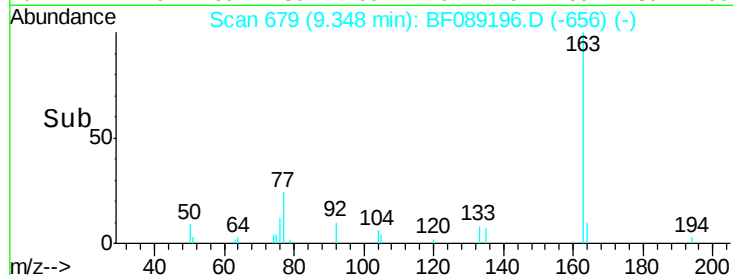
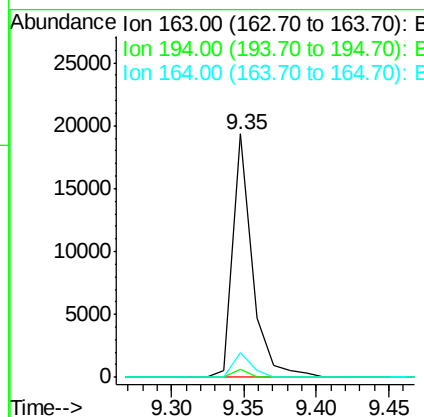
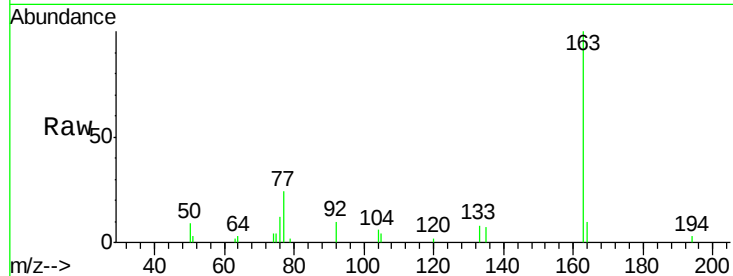
#49
Dimethylphthalate
Concen: 2.54 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.03 min
Lab File: BF089196.D
Acq: 22 Jul 2016 14:41

Instrument :
BNA_F
ClientSampled :
TS-1

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	18111		
194	3.2	2.9	4.3	
164	10.2	7.6	11.4	

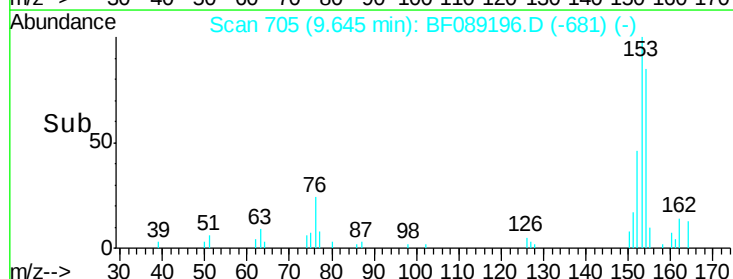
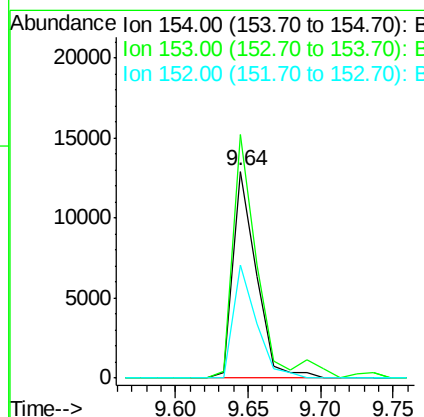
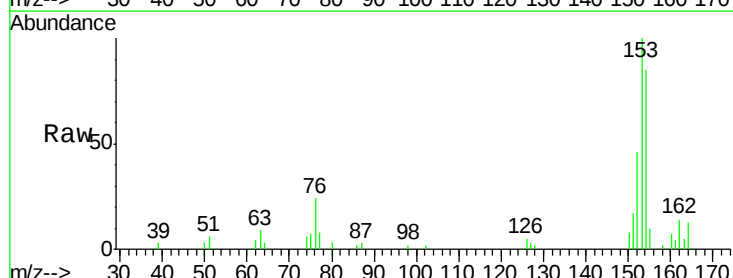
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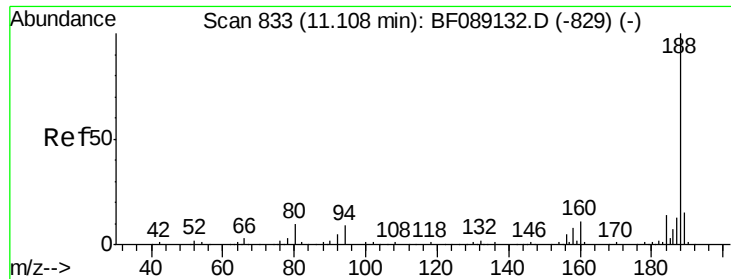
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#51
Acenaphthene
Concen: 2.43 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.02 min
Lab File: BF089196.D
Acq: 22 Jul 2016 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	14373		
153	117.6	91.9	137.9	
152	54.6	42.8	64.2	





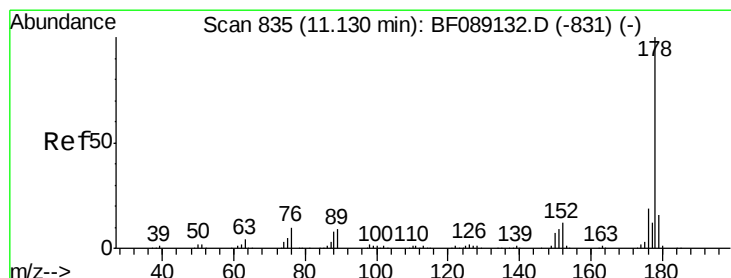
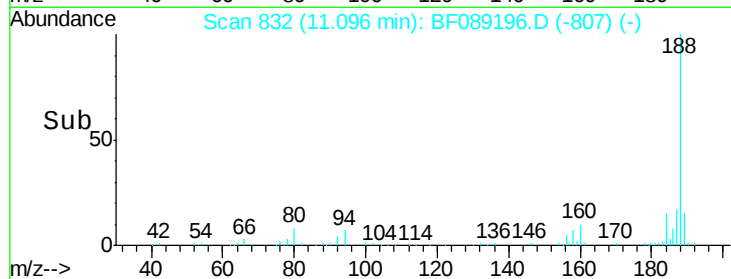
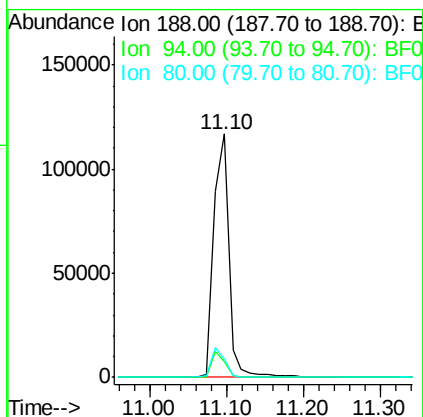
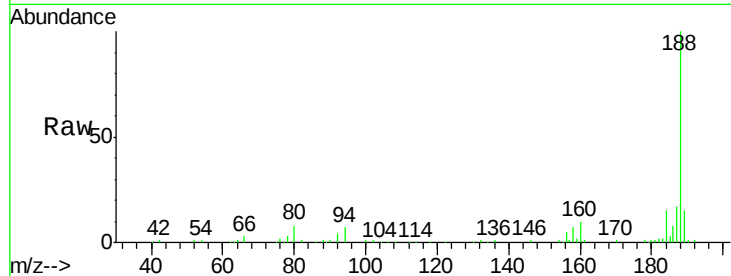
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF089196.D
Acq: 22 Jul 2016 14:41

Instrument :
BNA_F
ClientSampleId :
TS-1

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	159172		
94	6.7	7.0	10.4#	
80	7.5	7.7	11.5#	

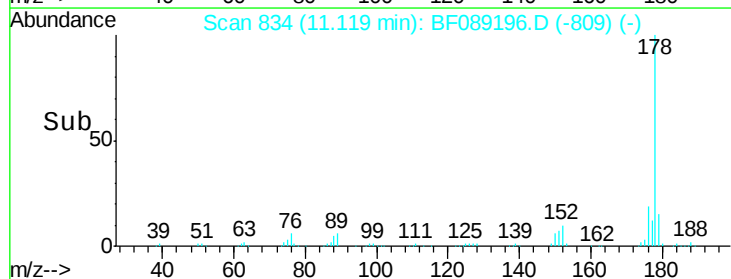
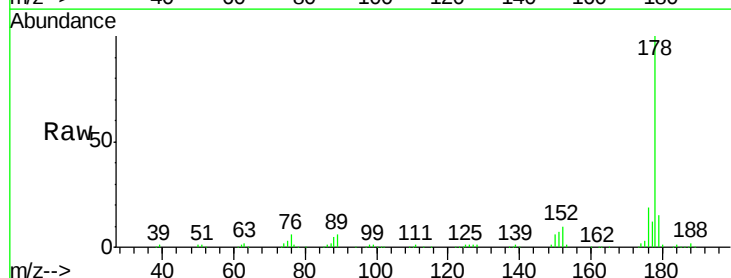
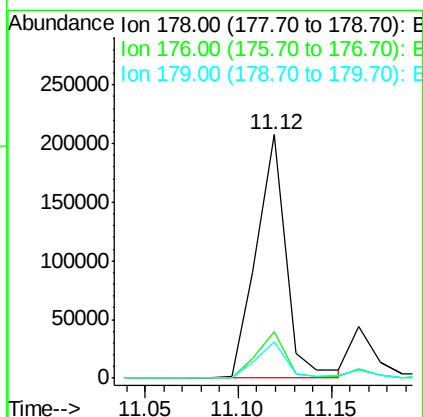
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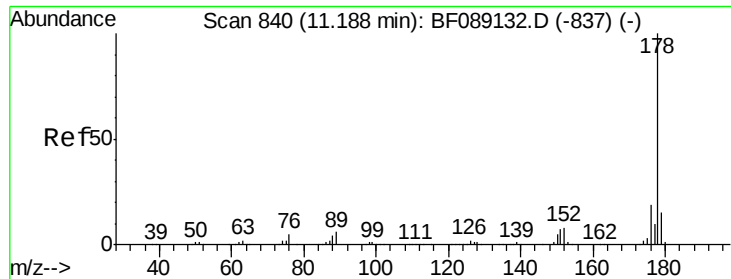
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#70
Phenanthrene
Concen: 26.11 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF089196.D
Acq: 22 Jul 2016 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	227949		
176	19.0	15.6	23.4	
179	14.8	12.4	18.6	





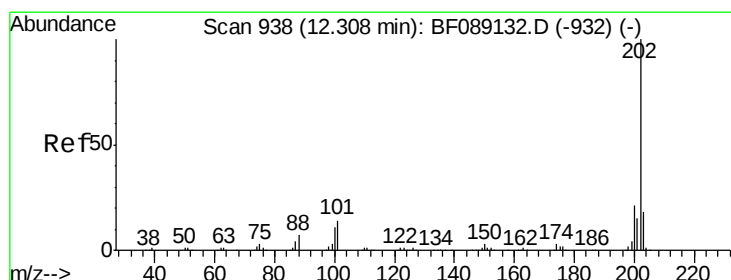
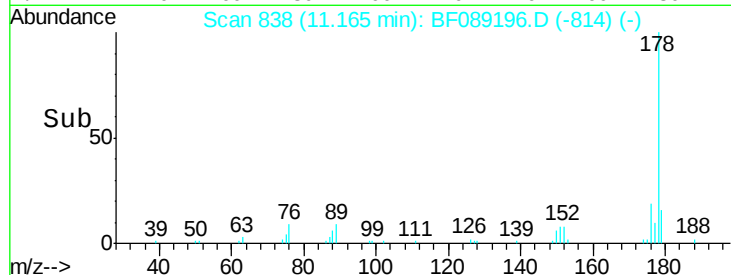
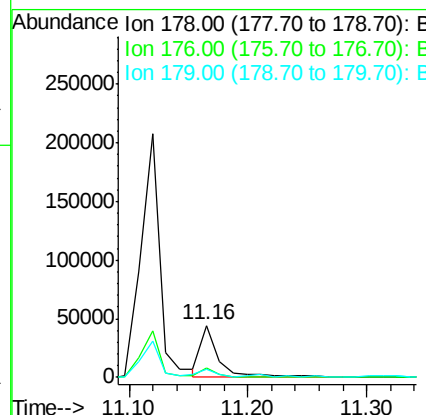
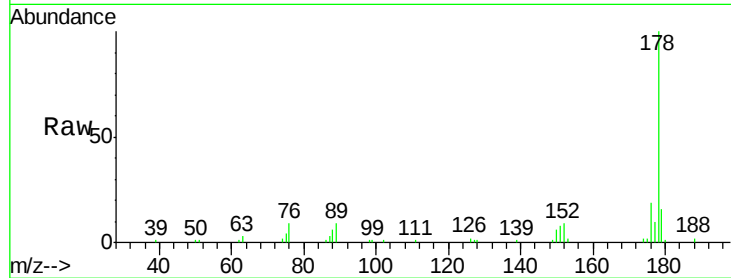
#71
 Anthracene
 Concen: 5.12 ng
 RT: 11.16 min Scan# 838
 Delta R.T. -0.02 min
 Lab File: BF089196.D
 Acq: 22 Jul 2016 14:41

Instrument :
 BNA_F
 ClientSampled :
 TS-1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	16.1	12.0	18.0

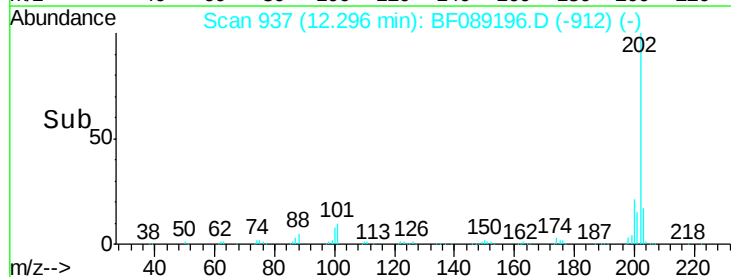
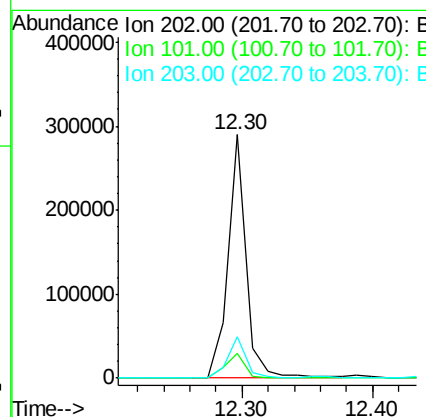
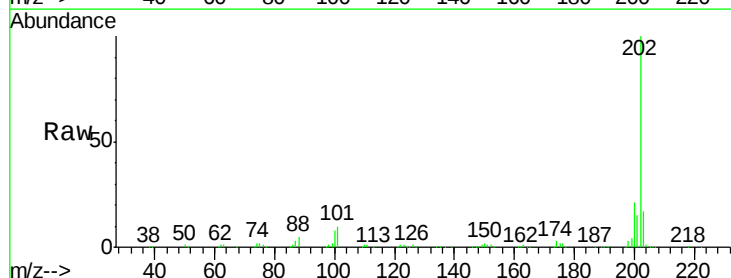
Manual Integrations
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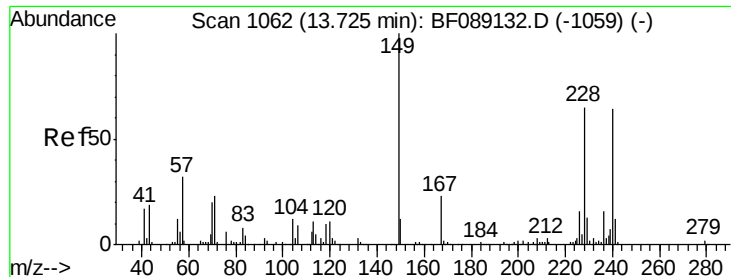
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#74
 Fluoranthene
 Concen: 30.44 ng
 RT: 12.30 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BF089196.D
 Acq: 22 Jul 2016 14:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	34.0
203	17.1	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF089196.D

Acq: 22 Jul 2016 14:41

Instrument :

BNA_F

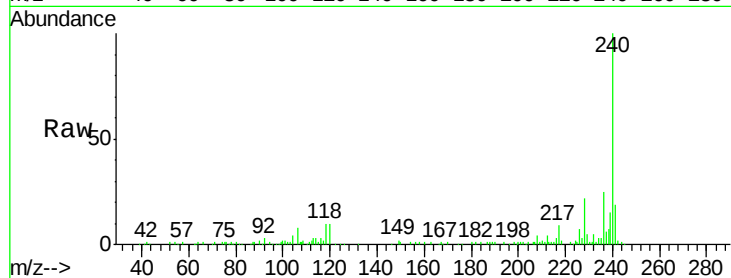
ClientSampled :

TS-1

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.3	13.6	20.4#
236	25.1	20.5	30.7

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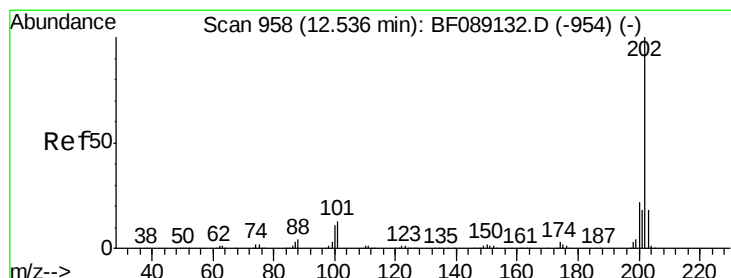
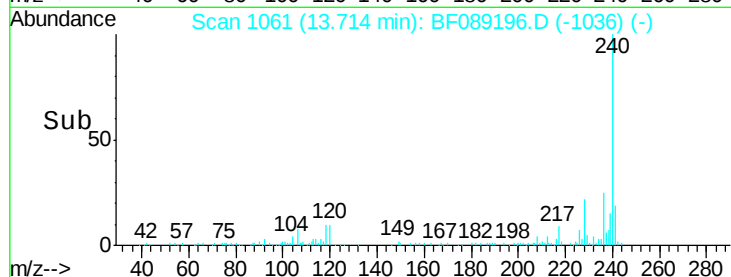
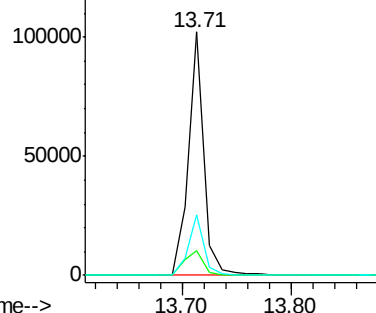
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 29.81 ng

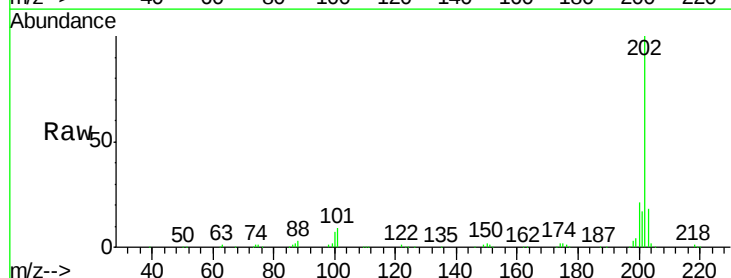
RT: 12.53 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF089196.D

Acq: 22 Jul 2016 14:41

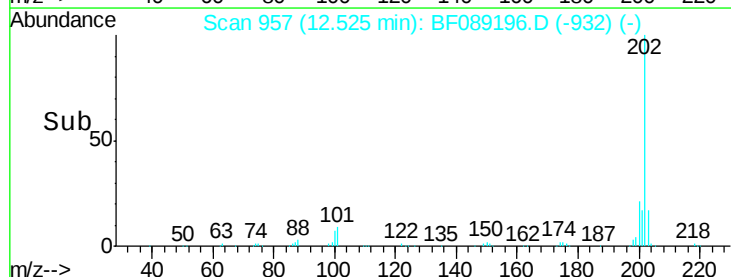
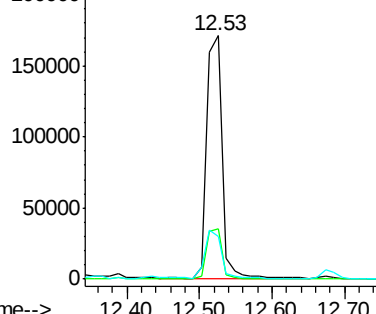
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.0
203	17.5	14.2	21.2

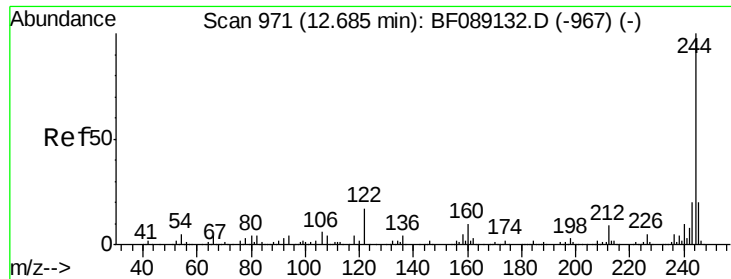


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





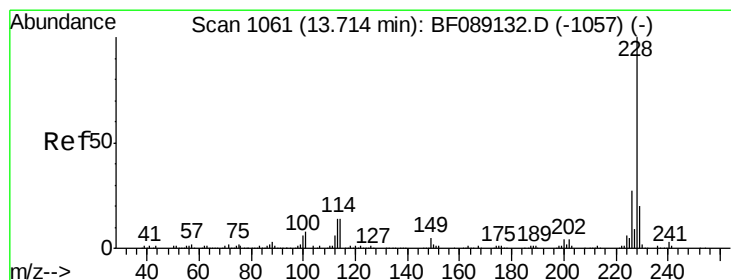
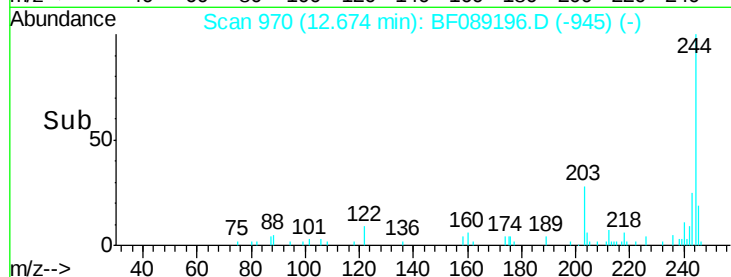
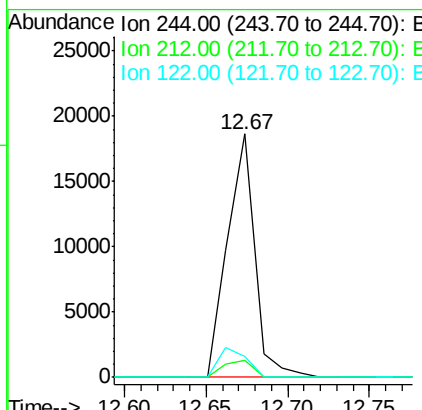
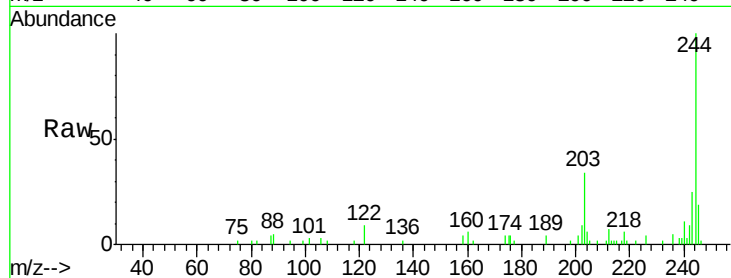
#78
 Terphenyl-d14
 Concen: 4.56 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.01 min
 Lab File: BF089196.D
 Acq: 22 Jul 2016 14:41

Instrument :
 BNA_F
 ClientSampled :
 TS-1

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	7.0	10.4
122	8.7	13.8	20.8#

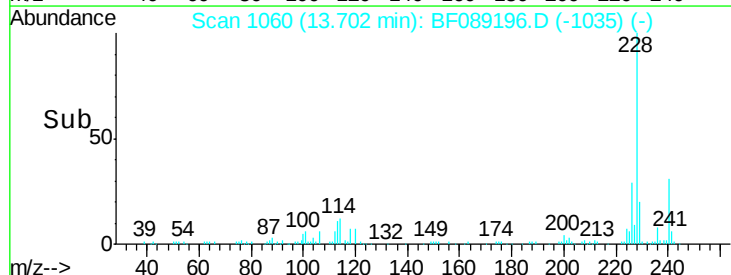
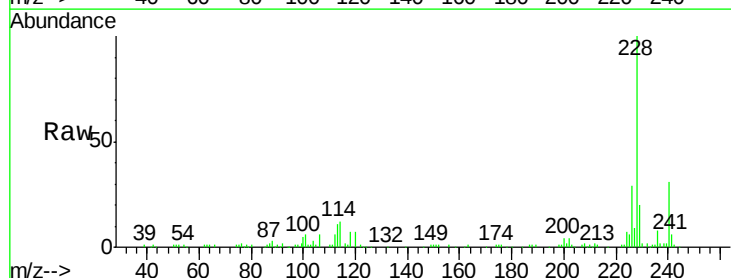
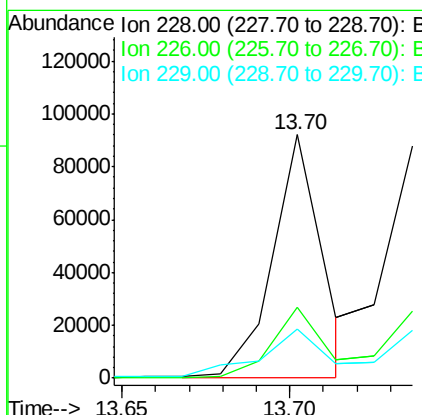
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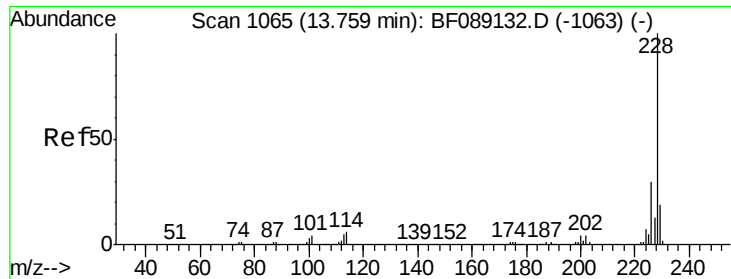
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#80
 Benzo(a)anthracene
 Concen: 14.41 ng m
 RT: 13.70 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: BF089196.D
 Acq: 22 Jul 2016 14:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.8	32.8
229	20.4	15.8	23.8





#82

Chrysene

Concen: 15.16 ng m

RT: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF089196.D

Acq: 22 Jul 2016 14:41

Instrument :

BNA_F

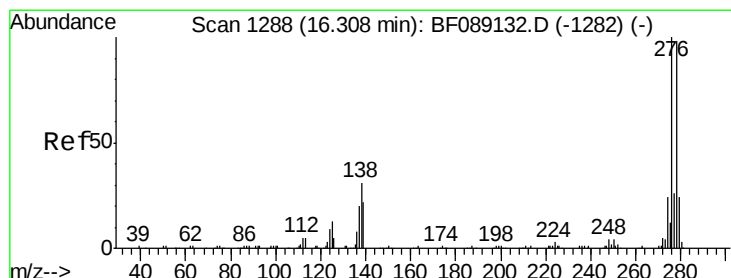
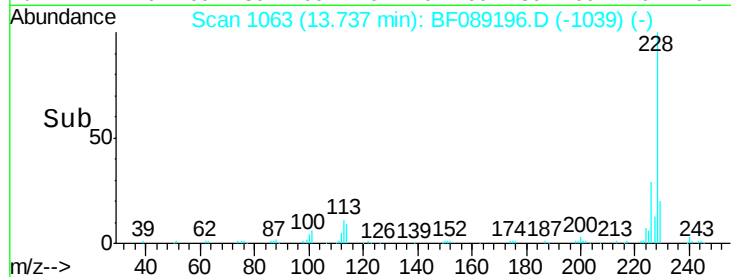
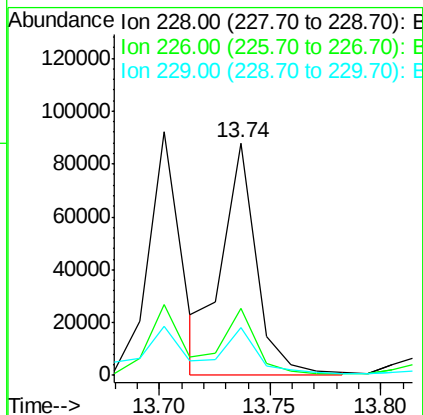
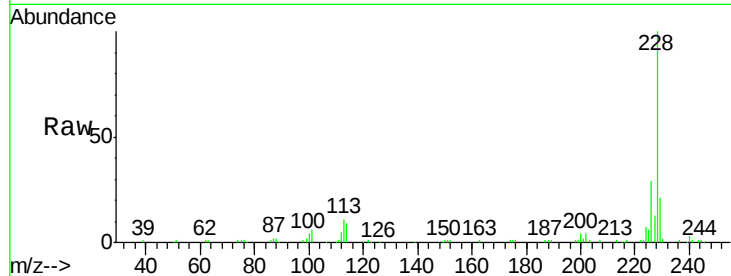
ClientSampleId :

TS-1

Tgt Ion:	228	Resp:	94182
Ion Ratio	Lower	Upper	
228	100		
226	29.1	23.8	35.8
229	20.6	15.4	23.0

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#85

Indeno(1,2,3-cd)pyrene

Concen: 12.76 ng

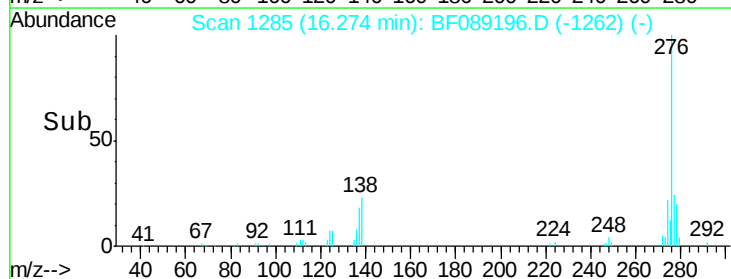
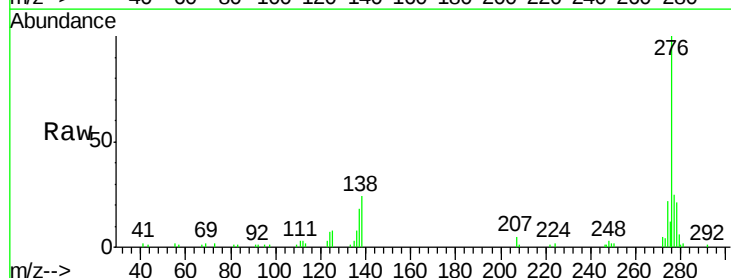
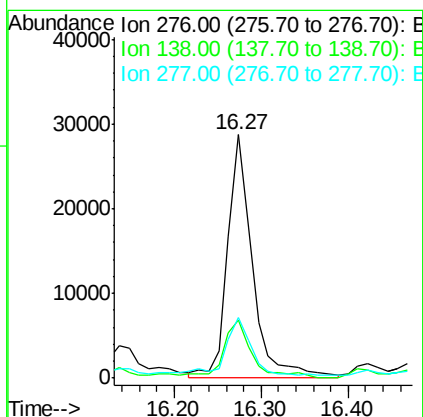
RT: 16.27 min Scan# 1285

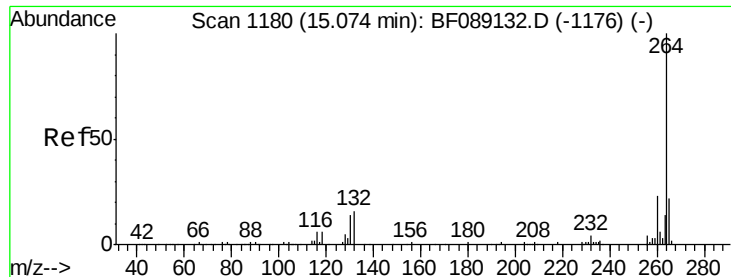
Delta R.T. -0.03 min

Lab File: BF089196.D

Acq: 22 Jul 2016 14:41

Tgt Ion:	276	Resp:	57574
Ion Ratio	Lower	Upper	
276	100		
138	27.9	23.7	35.5
277	26.8	20.6	31.0





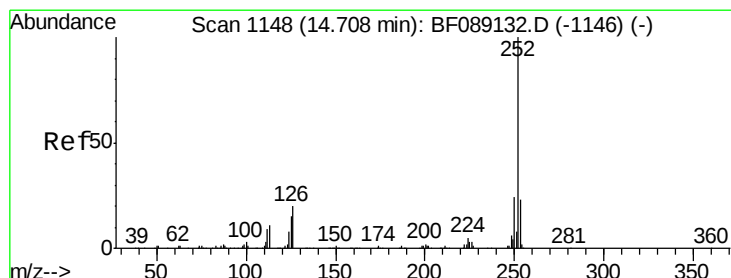
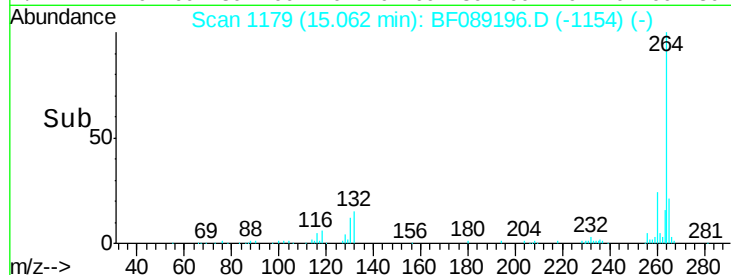
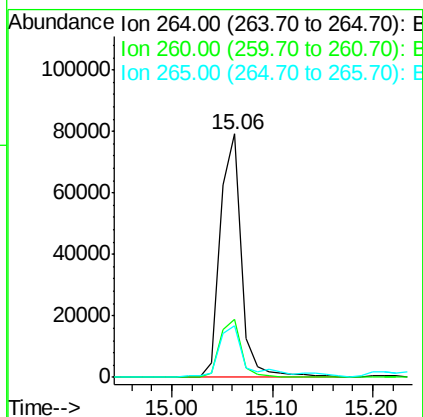
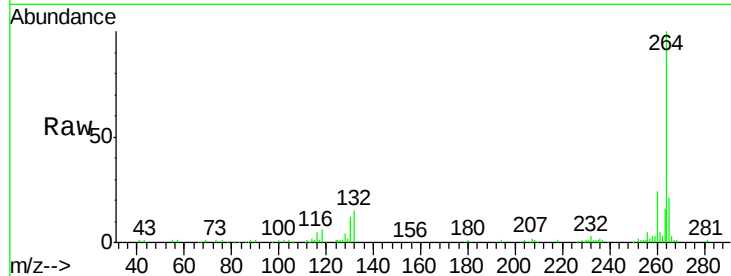
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF089196.D
Acq: 22 Jul 2016 14:41

Instrument :
BNA_F
ClientSampled :
TS-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	21.0	17.3	25.9

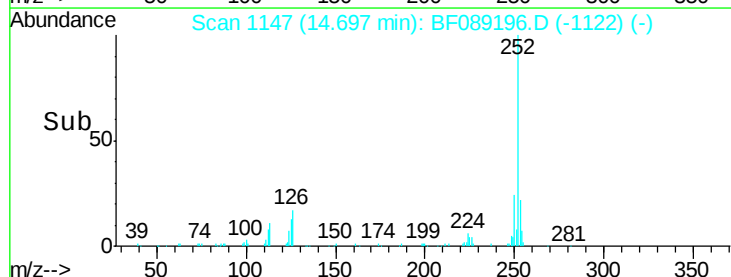
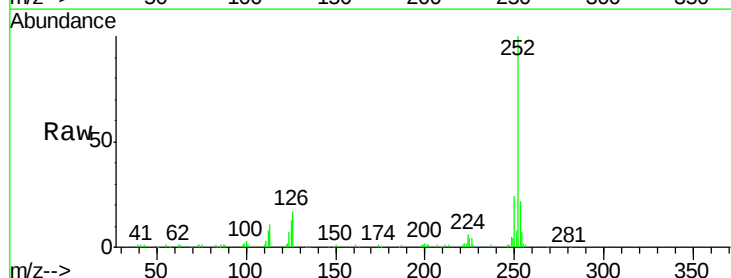
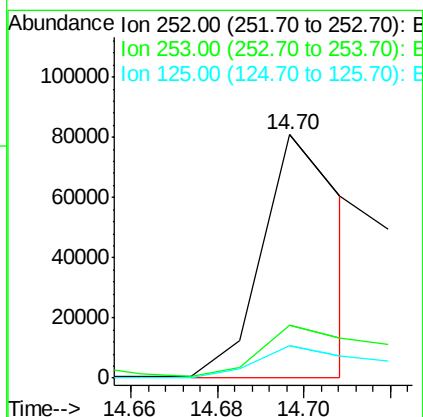
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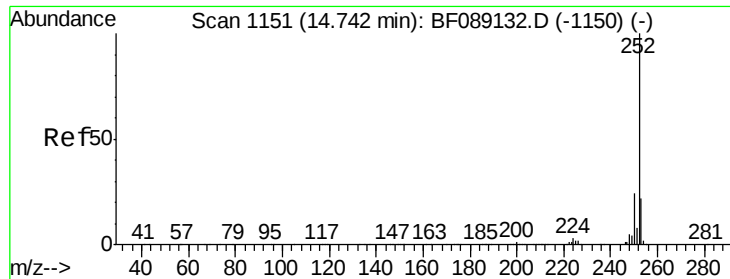
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#87
Benzo(b)fluoranthene
Concen: 12.57 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF089196.D
Acq: 22 Jul 2016 14:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	13.5	11.9	17.9





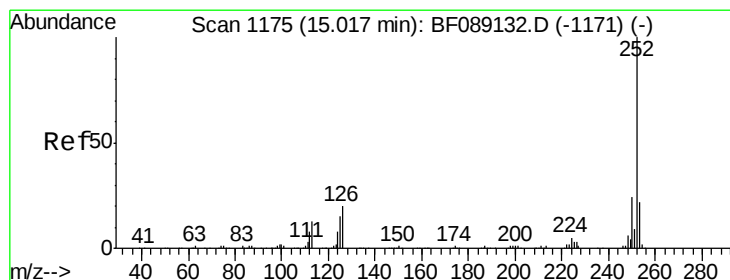
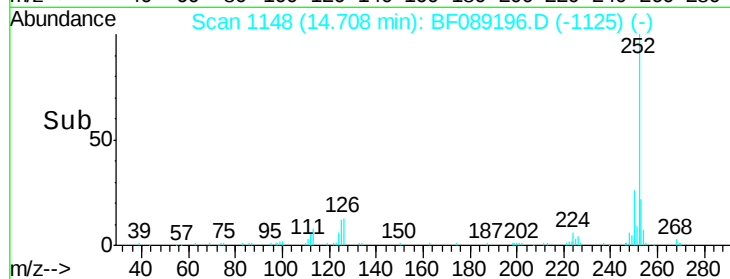
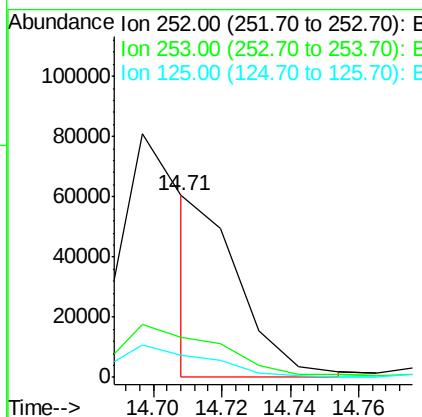
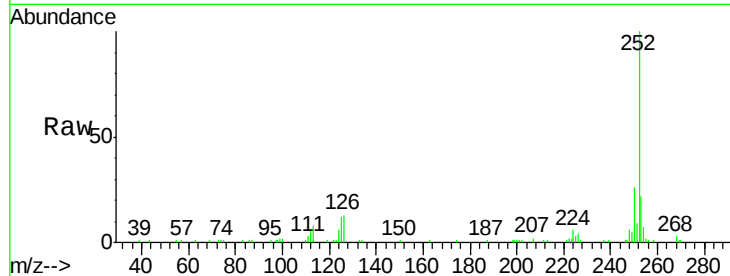
#88
Benzo(k)fluoranthene
Concen: 8.08 ng m
RT: 14.71 min Scan# 1148
Delta R.T. -0.03 min
Lab File: BF089196.D
Acq: 22 Jul 2016 14:41

Instrument :
BNA_F
ClientSampled :
TS-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	12.1	6.3	9.5

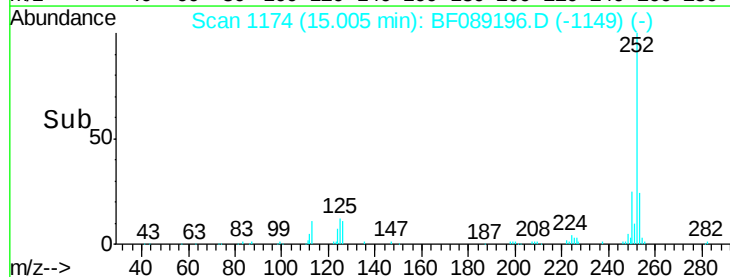
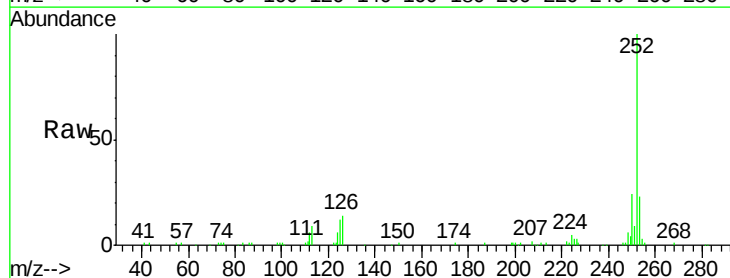
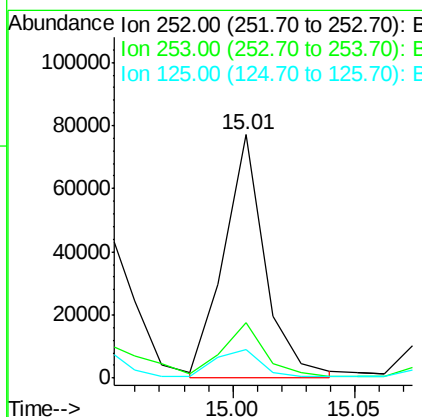
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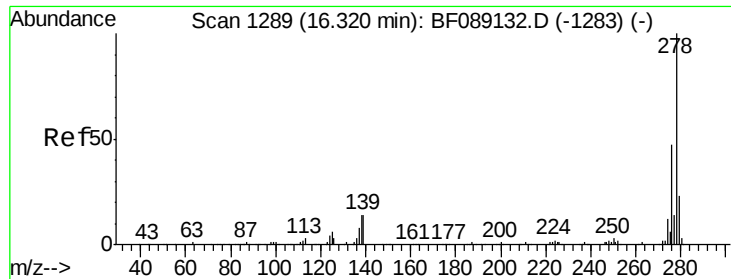
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#89
Benzo(a)pyrene
Concen: 14.04 ng m
RT: 15.01 min Scan# 1174
Delta R.T. -0.01 min
Lab File: BF089196.D
Acq: 22 Jul 2016 14:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	11.6	12.4	18.6





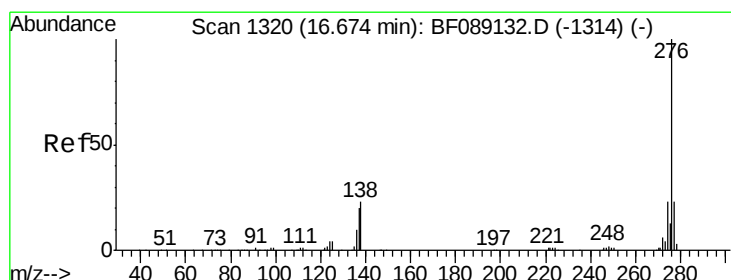
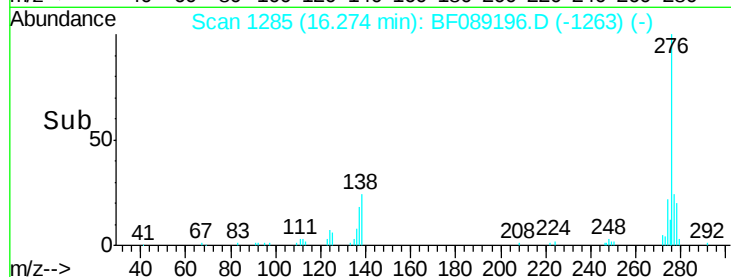
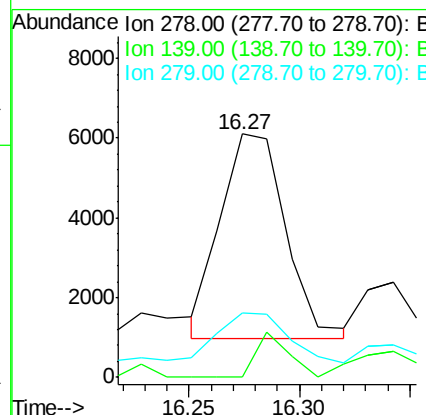
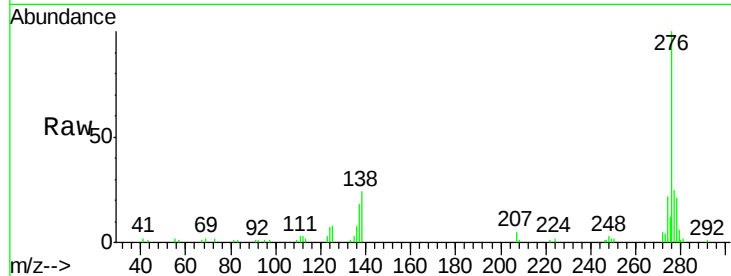
#90
Dibenzo(a,h)anthracene
Concen: 2.04 ng m
RT: 16.27 min Scan# 1285
Delta R.T. -0.05 min
Lab File: BF089196.D
Acq: 22 Jul 2016 14:41

Instrument :
BNA_F
ClientSampleId :
TS-1

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.4	17.2#
279	26.5	18.4	27.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 10.28 ng
RT: 16.64 min Scan# 1317
Delta R.T. -0.03 min
Lab File: BF089196.D
Acq: 22 Jul 2016 14:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.5	27.7
138	22.9	18.5	27.7

