

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
 Data File : BF089193.D
 Acq On : 22 Jul 2016 13:10
 Operator : UM/SJ
 Sample : H4074-08DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-COMPDL

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Quant Time: Jul 22 14:50:36 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	50341	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	221416	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	90444	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	147530	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	98451	20.00	ng	-0.01
86) Perylene-d12	15.06	264	113841	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	27492	8.31	ng	-0.01
7) Phenol-d6	6.25	99	40886	9.58	ng	-0.02
23) Nitrobenzene-d5	7.15	82	24886	5.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	5328	6.54	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	38785	5.91	ng	-0.02
78) Terphenyl-d14	12.67	244	19323	4.26	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.35	163	17268	2.49	ng	98
51) Acenaphthene	9.64	154	13950	2.42	ng	96
70) Phenanthrene	11.12	178	210891	26.06	ng	99
71) Anthracene	11.16	178	46545	5.53	ng	98
74) Fluoranthene	12.30	202	253898	29.85	ng	96
77) Pyrene	12.53	202	229262	28.20	ng	98
80) Benzo(a)anthracene	13.70	228	91950m	14.66	ng	
82) Chrysene	13.74	228	92327m	15.42	ng	
85) Indeno(1,2,3-cd)pyrene	16.27	276	57909	13.31	ng	95
87) Benzo(b)fluoranthene	14.70	252	135220m	16.40	ng	
88) Benzo(k)fluoranthene	14.72	252	16253m	2.76	ng	
89) Benzo(a)pyrene	15.01	252	93388m	14.59	ng	
90) Dibenzo(a,h)anthracene	16.27	278	11523m	2.28	ng	
91) Benzo(g,h,i)perylene	16.64	276	52134	10.23	ng	96

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

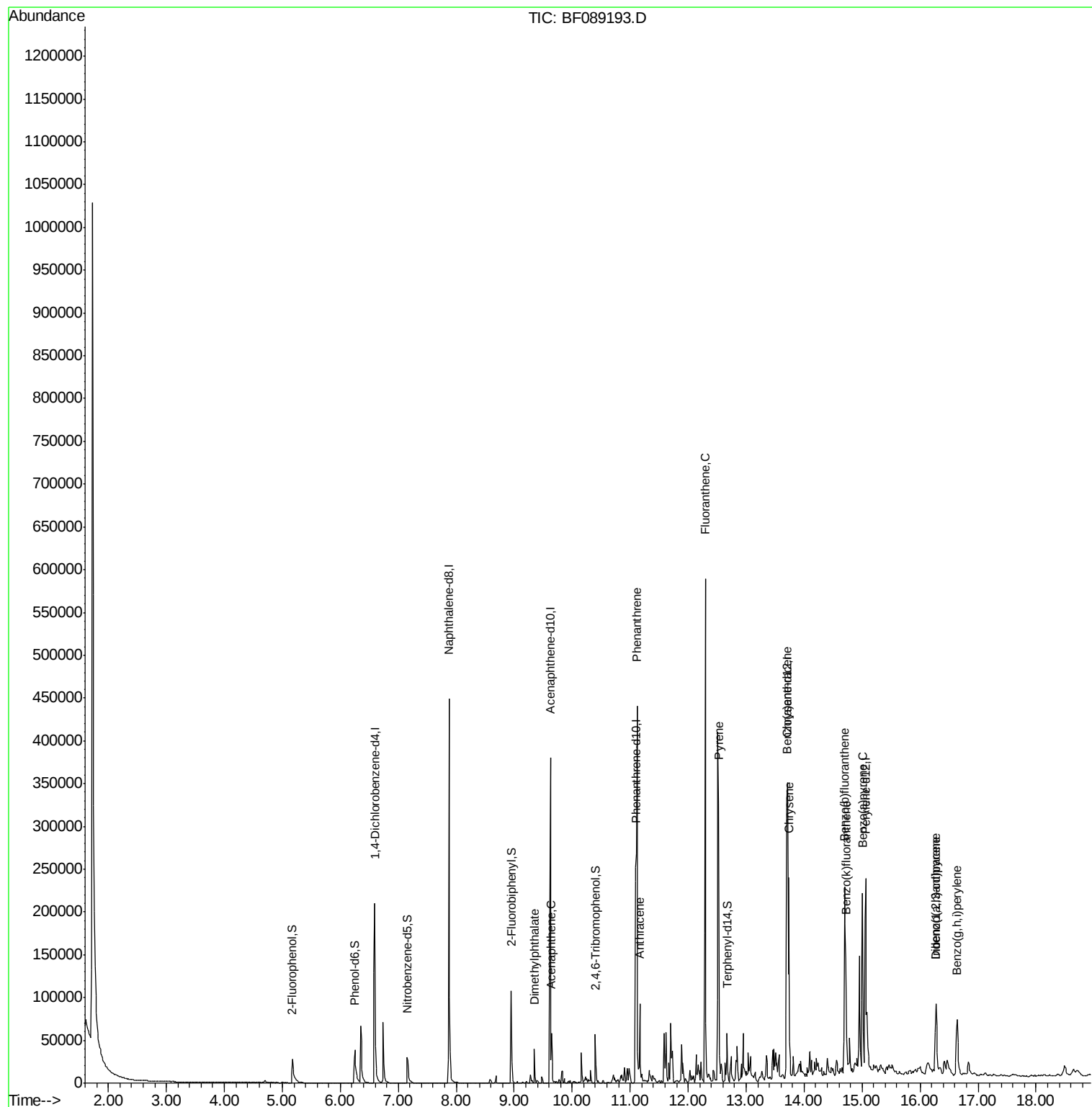
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
Data File : BF089193.D
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Operator : UM/SJ
Sample : H4074-08DL 10X
Misc :
ALS Vial : 36 Sample Multiplier: 1

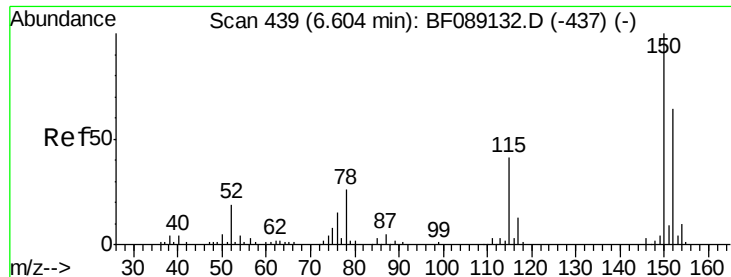
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

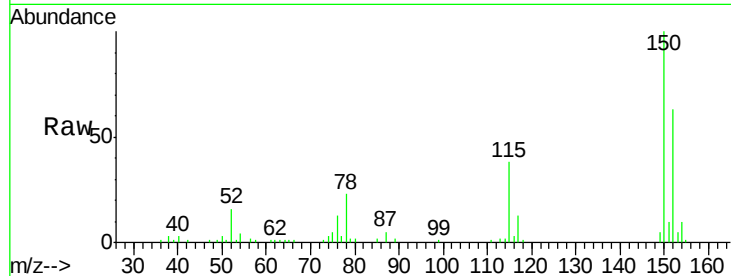
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.59 min Scan# 438
 Delta R.T. -0.01 min
 Lab File: BF089193.D
 Acq: 22 Jul 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-COMPDL

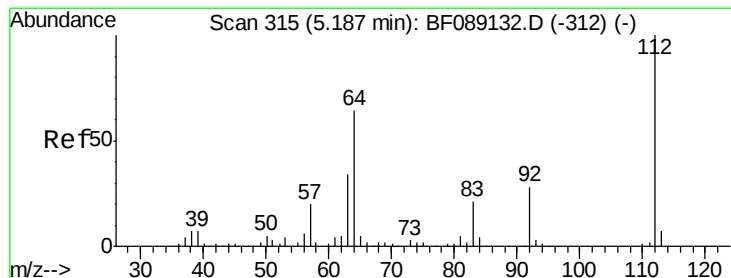
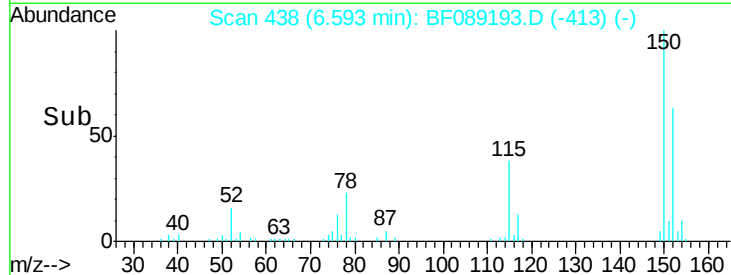
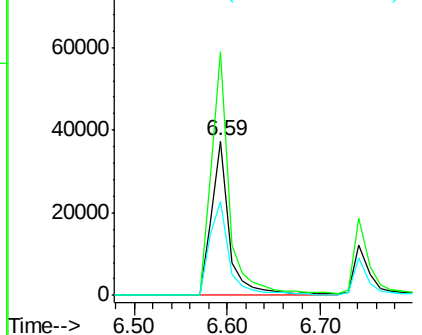
Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.7	125.1	187.7
115	60.7	51.1	76.7

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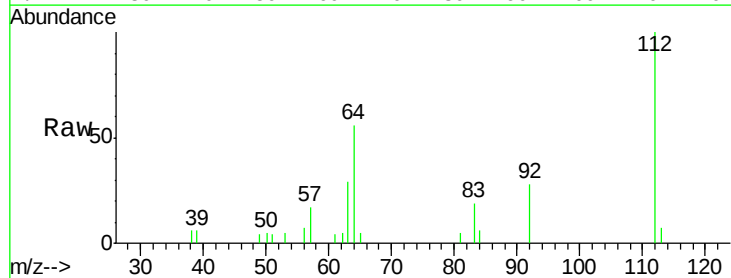
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



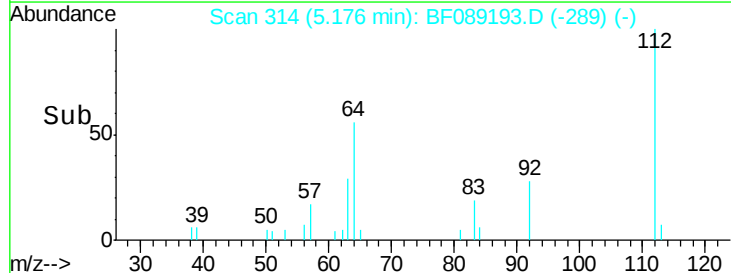
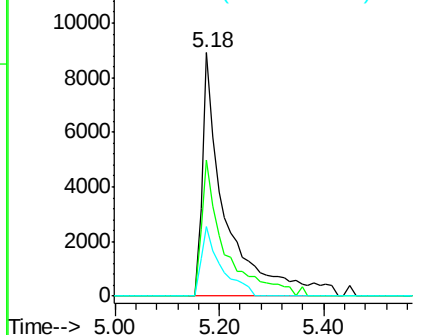
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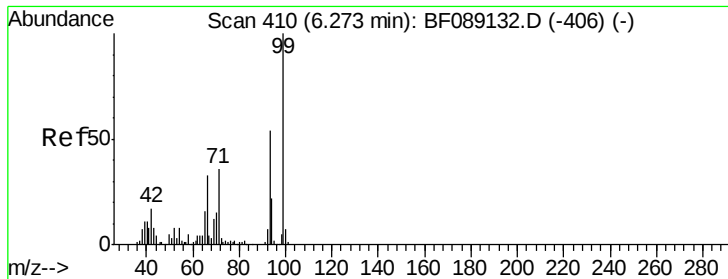
2-Fluorophenol
 Concen: 8.31 ng
 RT: 5.18 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: BF089193.D
 Acq: 22 Jul 2016 13:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	51.0	76.4
63	28.6	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: 9.58 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF089193.D

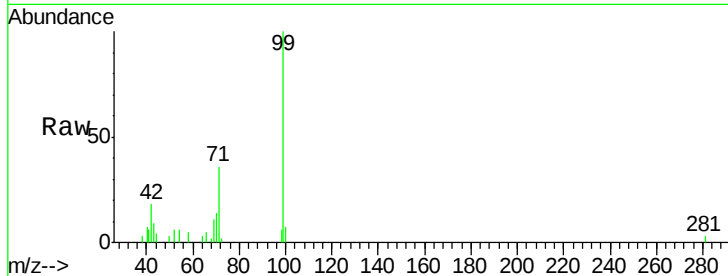
Acq: 22 Jul 2016 13:10

Instrument :

BNA_F

ClientSampleId :

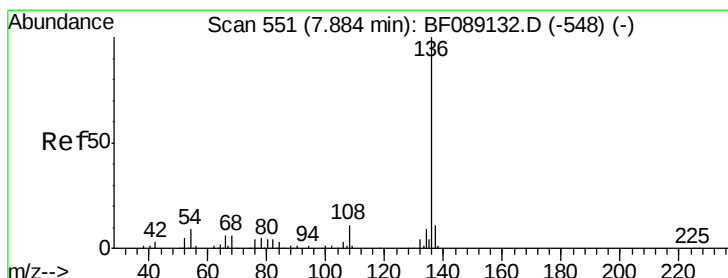
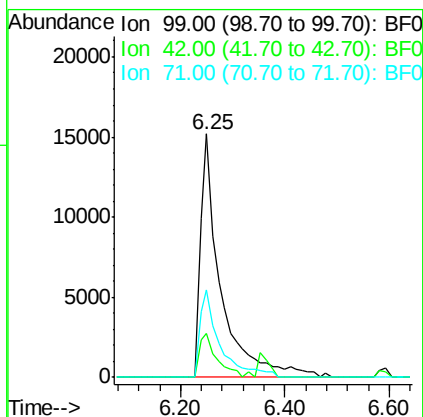
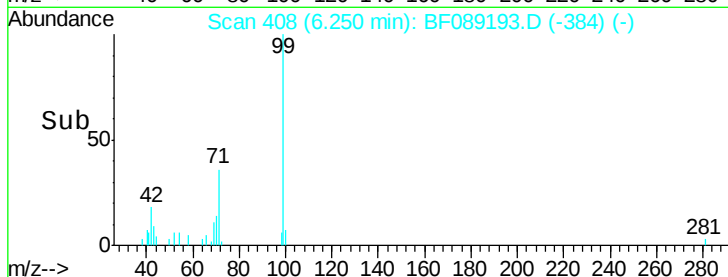
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		40886		
42	17.9	13.5	20.3		
71	35.7	28.9	43.3		

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#21

Naphthalene-d8

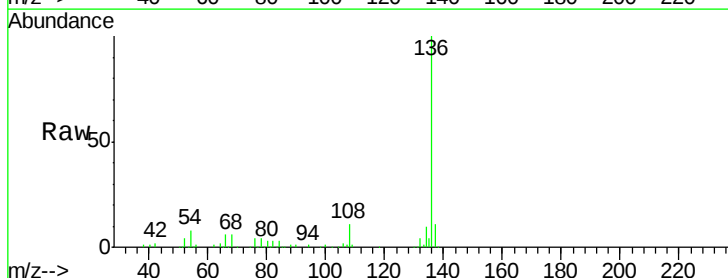
Concen: 20.00 ng

RT: 7.87 min Scan# 550

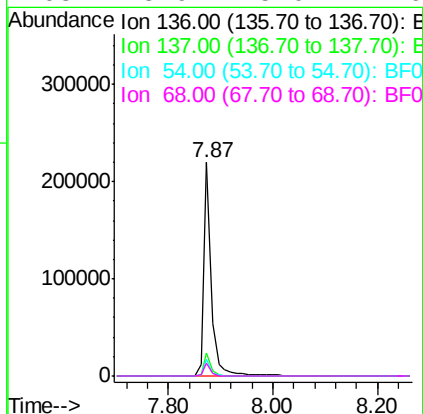
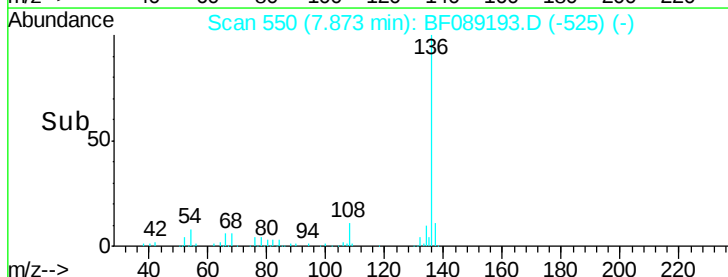
Delta R.T. -0.01 min

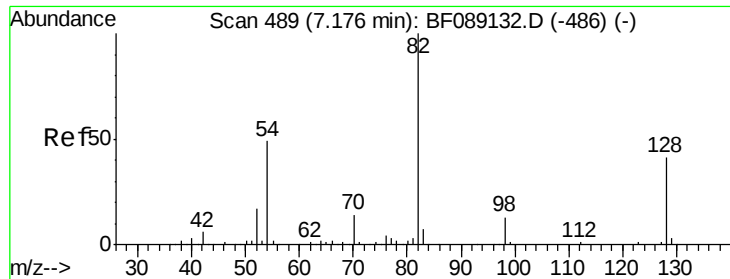
Lab File: BF089193.D

Acq: 22 Jul 2016 13:10



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		221416		
137	10.9	8.8	13.2		
54	7.7	7.0	10.4		
68	5.9	5.0	7.6		





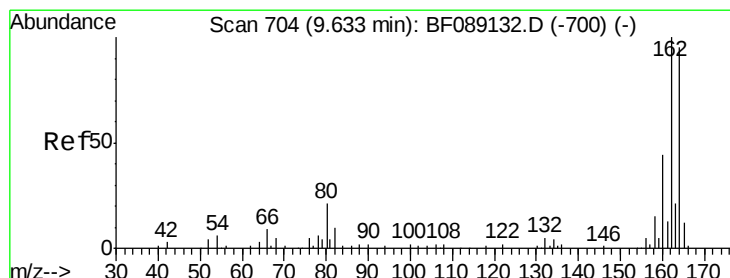
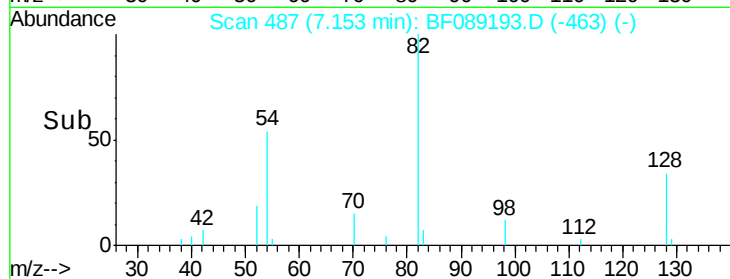
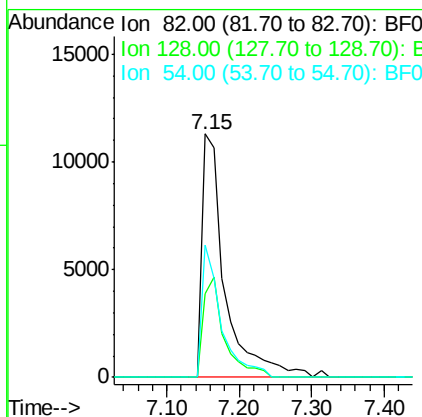
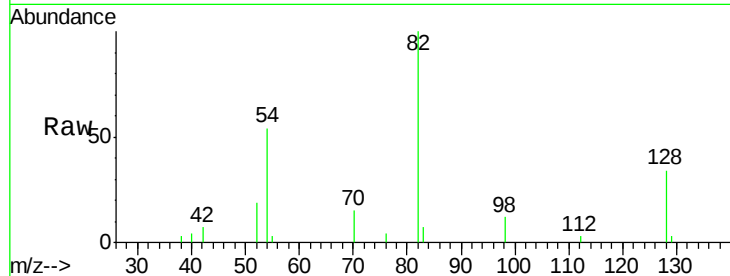
#23
 Nitrobenzene-d5
 Concen: 5.97 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: BF089193.D
 Acq: 22 Jul 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.2	33.0	49.6
54	54.3	39.0	58.4

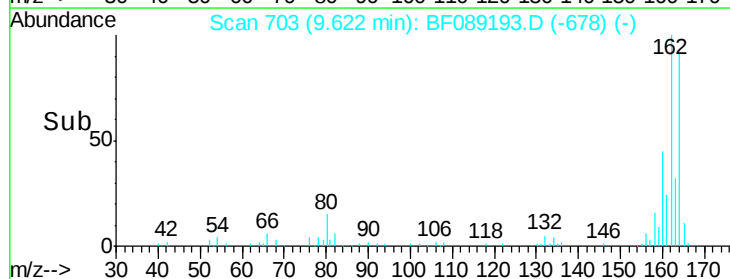
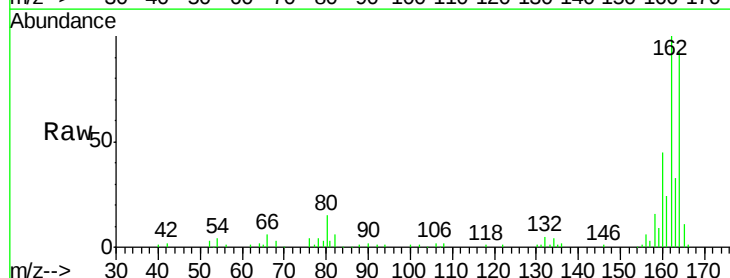
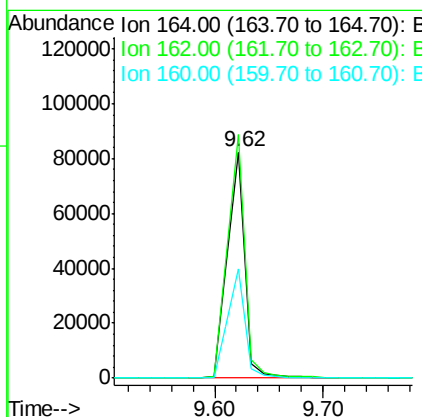
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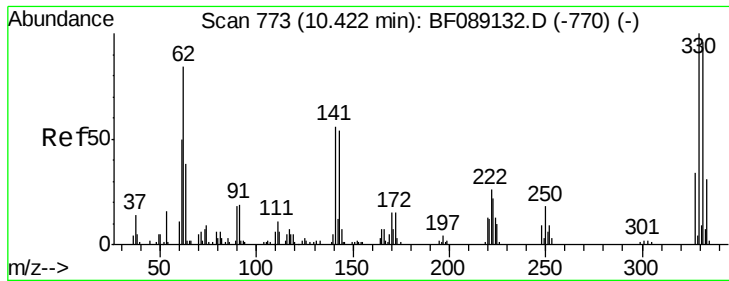
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: BF089193.D
 Acq: 22 Jul 2016 13:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.7	84.1	126.1
160	48.6	37.1	55.7





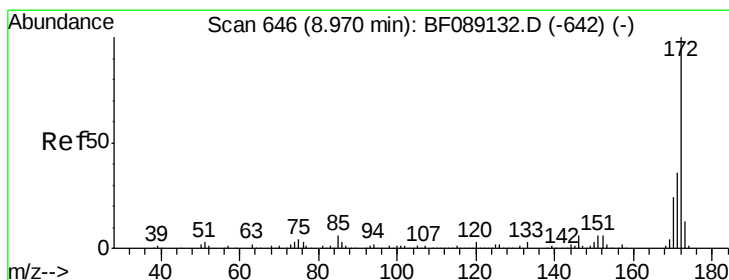
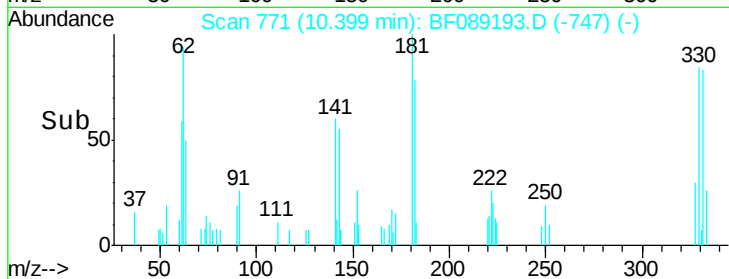
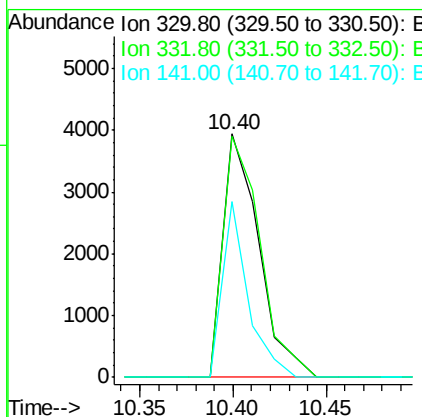
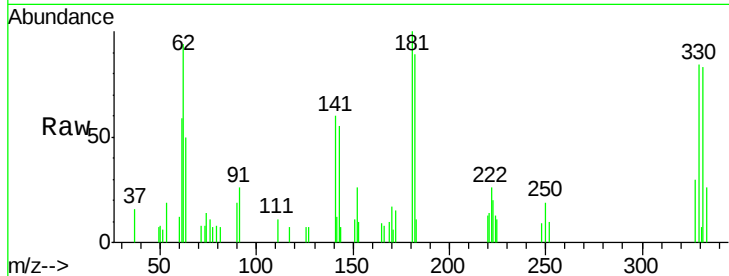
#41
 2,4,6-Tribromophenol
 Concen: 6.54 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BF089193.D
 Acq: 22 Jul 2016 13:10

Instrument :
 BNA_F
 ClientSampleID :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	102.2	77.2	115.8
141	51.2	42.2	63.2

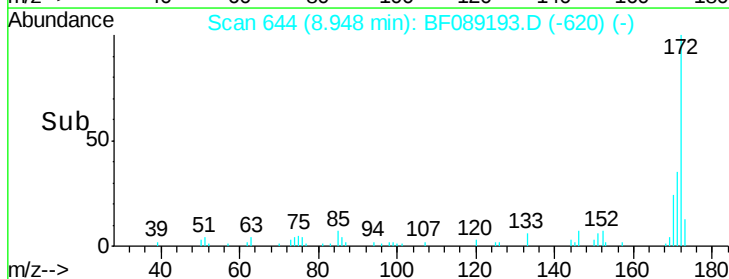
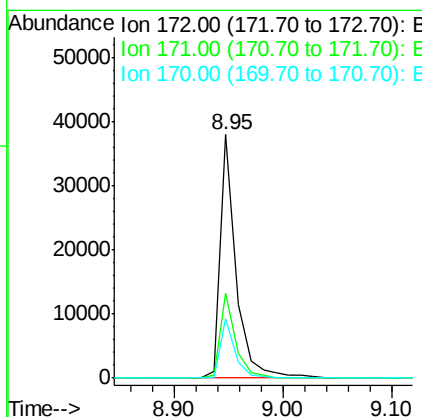
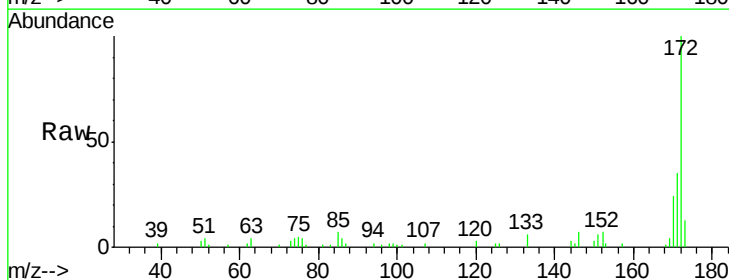
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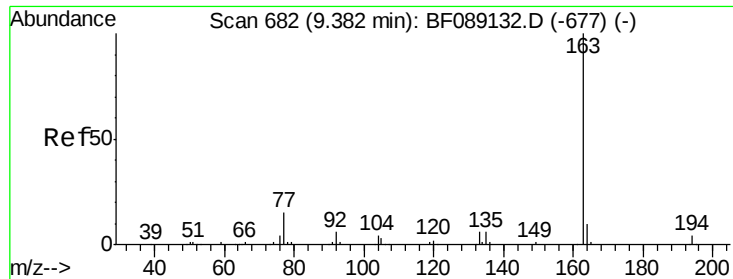
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#44
 2-Fluorobiphenyl
 Concen: 5.91 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089193.D
 Acq: 22 Jul 2016 13:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.2	43.8
170	24.2	19.1	28.7





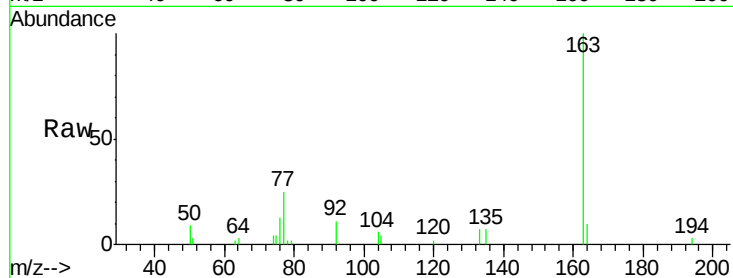
#49
Dimethylphthalate
Concen: 2.49 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.03 min
Lab File: BF089193.D
Acq: 22 Jul 2016 13:10

Instrument :
BNA_F
ClientSampleId :
SB-10-COMPDL

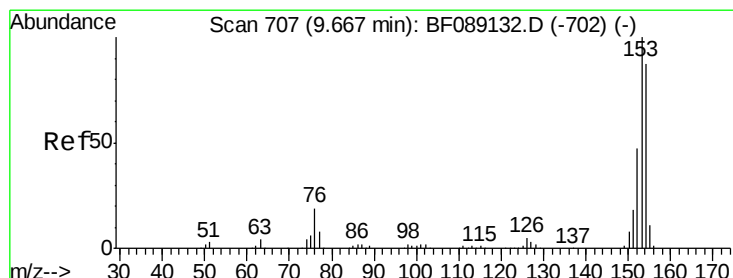
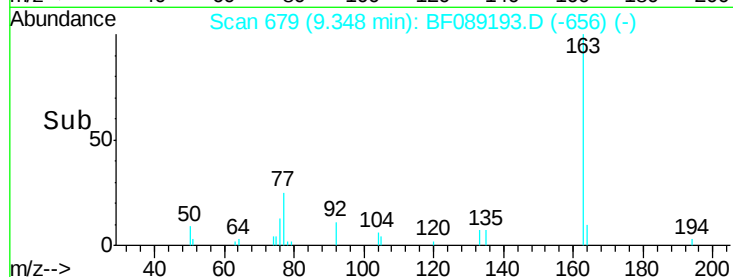
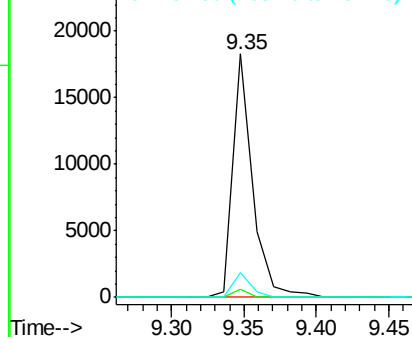
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	17268		
194	3.2	2.9	4.3	
164	10.2	7.6	11.4	

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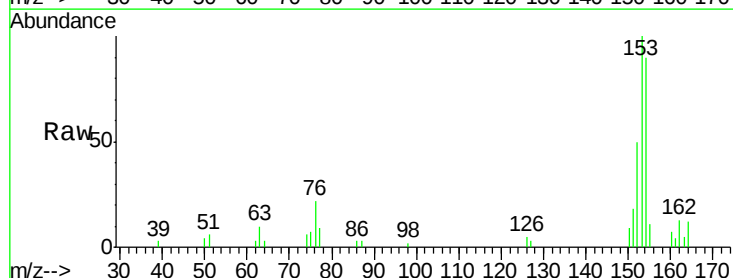


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

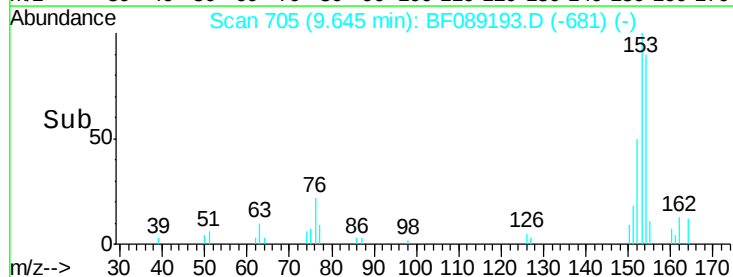
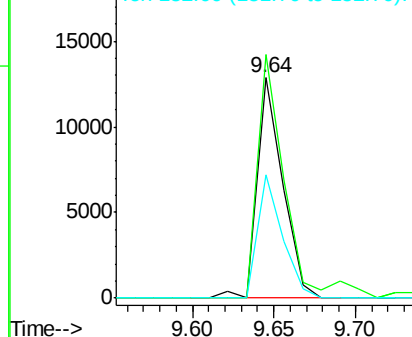


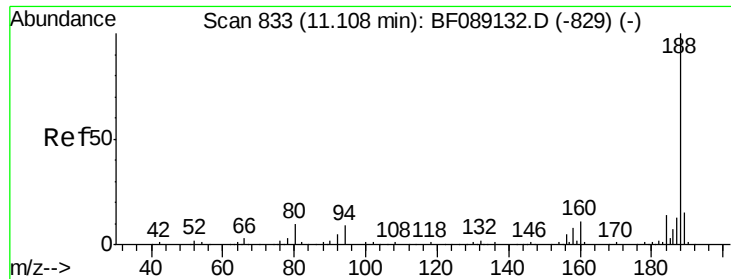
#51
Acenaphthene
Concen: 2.42 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.02 min
Lab File: BF089193.D
Acq: 22 Jul 2016 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	13950		
153	110.7	91.9	137.9	
152	55.8	42.8	64.2	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





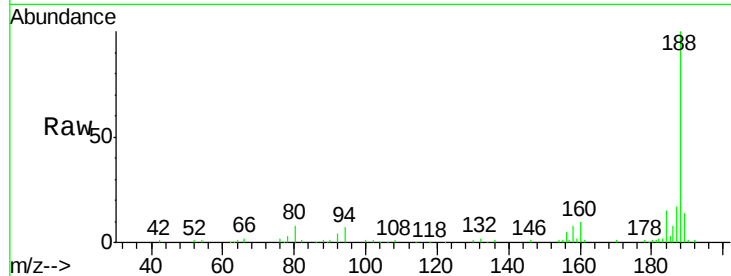
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF089193.D
Acq: 22 Jul 2016 13:10

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SB-10-COMPDL

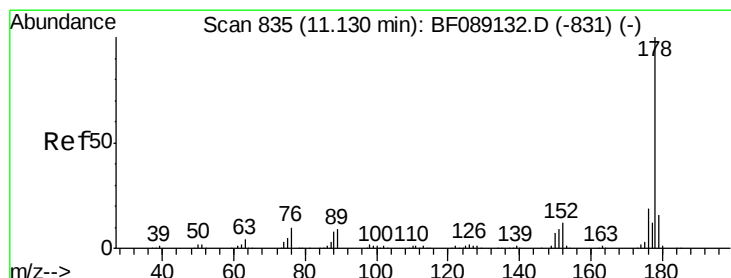
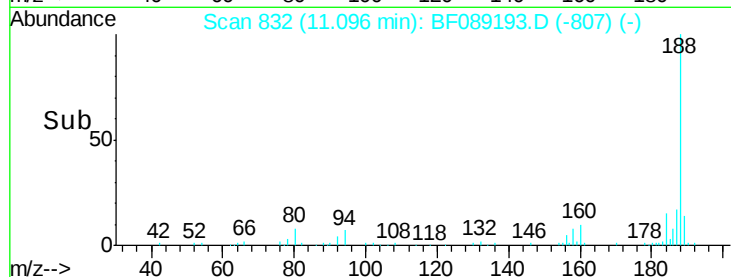
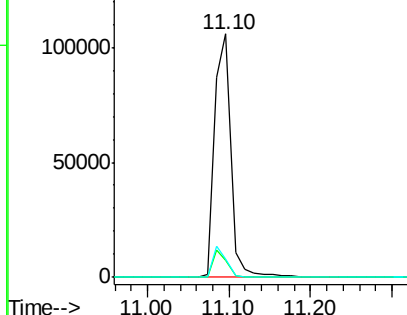
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.1	7.0	10.4
80	7.6	7.7	11.5#

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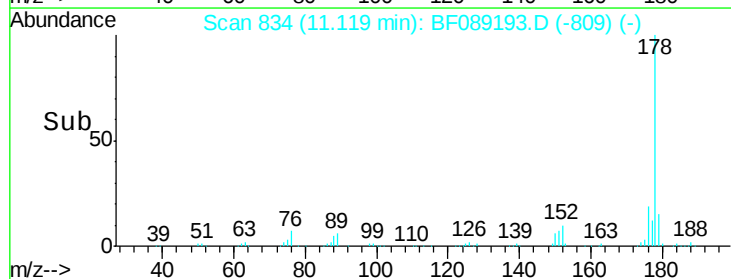
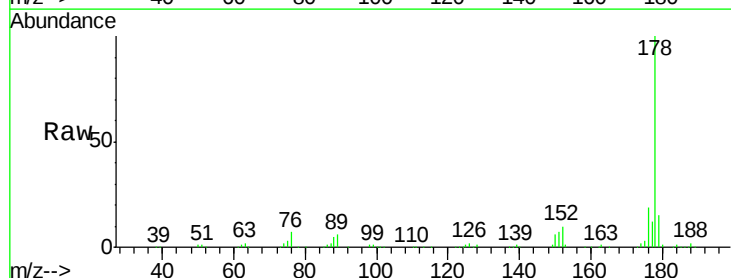
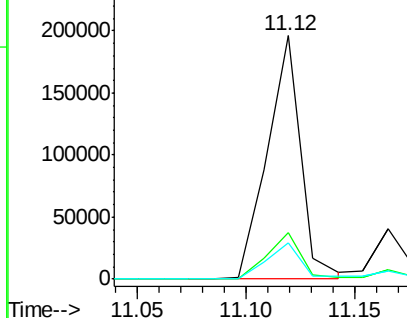
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

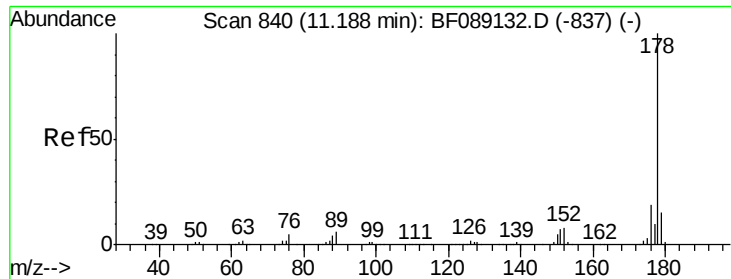


#70
Phenanthrene
Concen: 26.06 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF089193.D
Acq: 22 Jul 2016 13:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	15.6	23.4
179	14.8	12.4	18.6

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





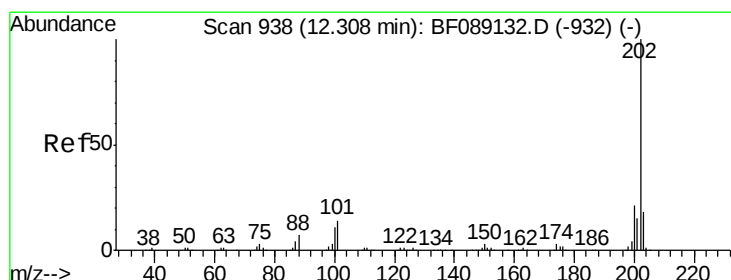
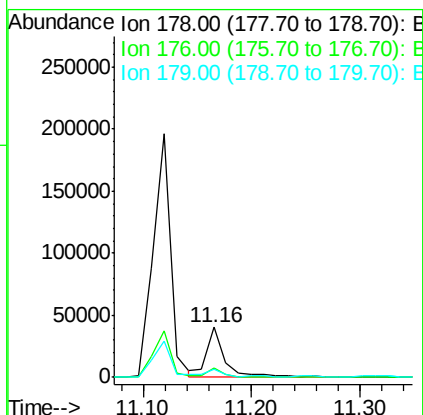
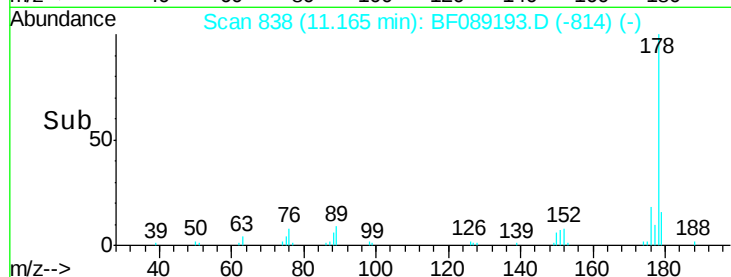
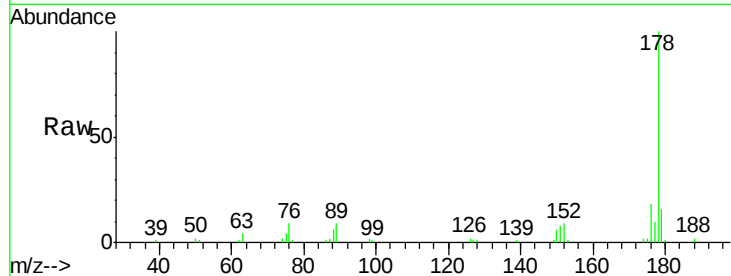
#71
 Anthracene
 Concen: 5.53 ng
 RT: 11.16 min Scan# 838
 Delta R.T. -0.02 min
 Lab File: BF089193.D
 Acq: 22 Jul 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-COMPDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.9	22.3
179	16.3	12.0	18.0

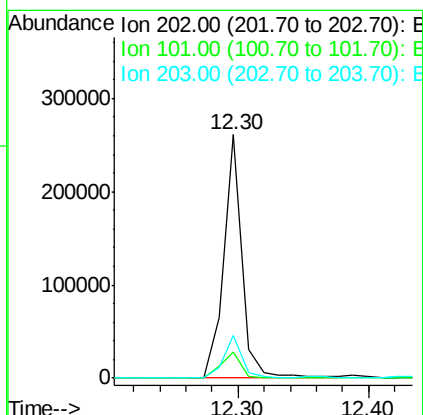
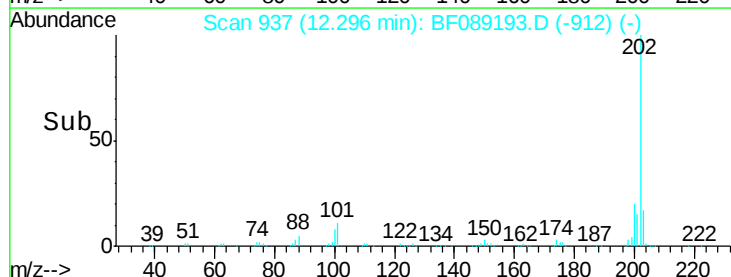
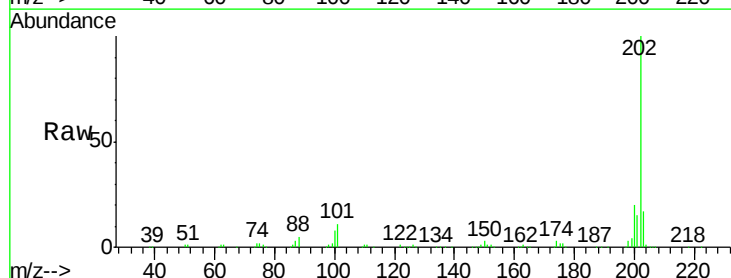
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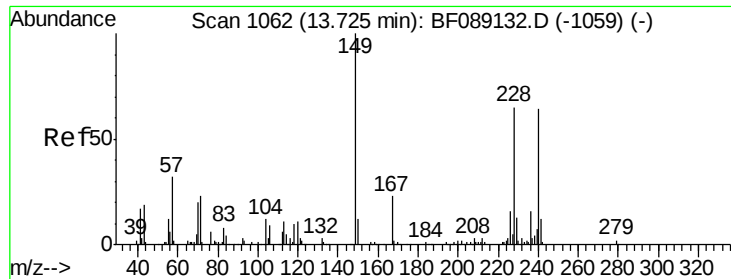
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#74
 Fluoranthene
 Concen: 29.85 ng
 RT: 12.30 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BF089193.D
 Acq: 22 Jul 2016 13:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.0
203	17.3	0.0	37.8





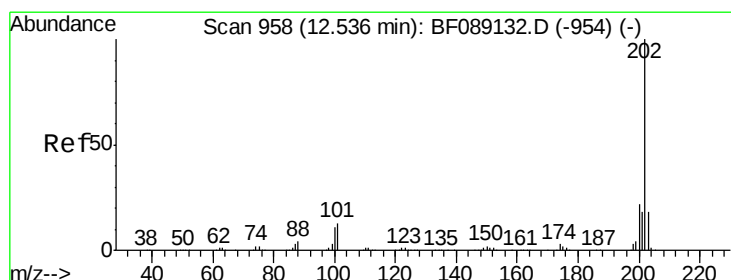
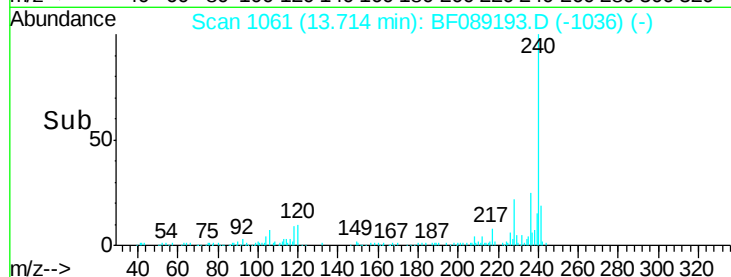
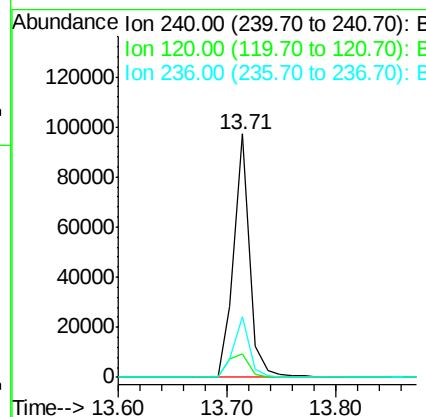
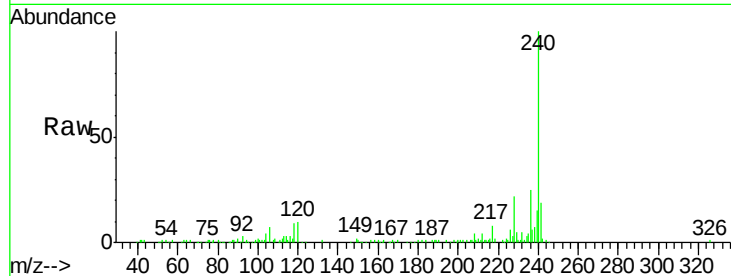
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.71 min Scan# 1061
Delta R.T. -0.01 min
Lab File: BF089193.D
Acq: 22 Jul 2016 13:10

Instrument :
BNA_F
ClientSampleId :
SB-10-COMPDL

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.7	13.6	20.4#
236	24.9	20.5	30.7

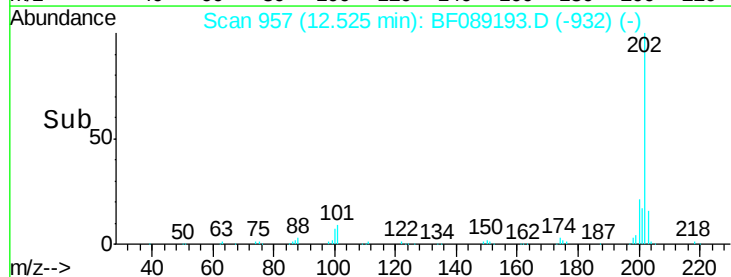
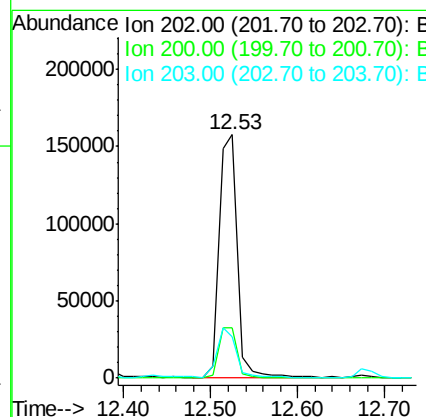
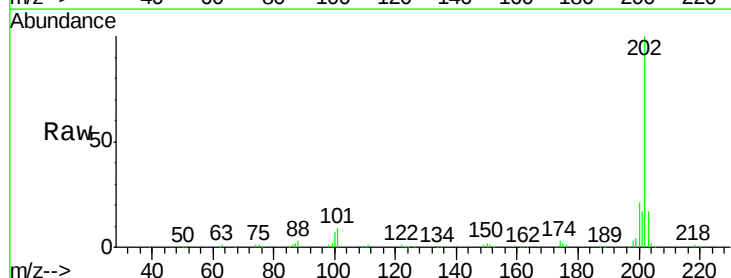
Manual Integrations
APPROVED

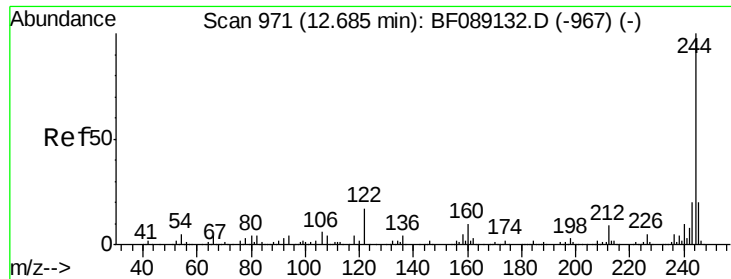
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#77
Pyrene
Concen: 28.20 ng
RT: 12.53 min Scan# 957
Delta R.T. -0.01 min
Lab File: BF089193.D
Acq: 22 Jul 2016 13:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.0
203	16.8	14.2	21.2





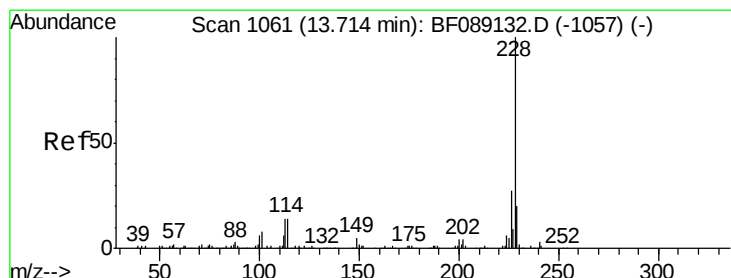
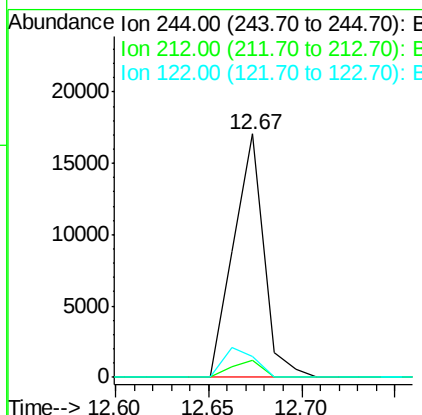
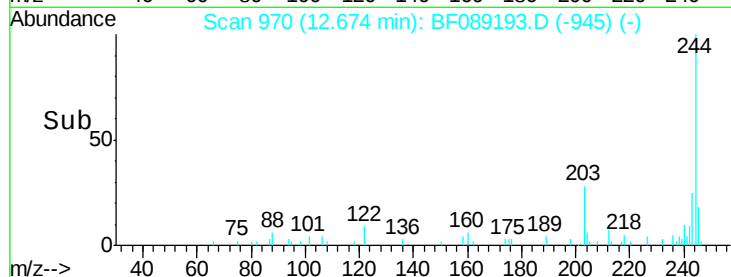
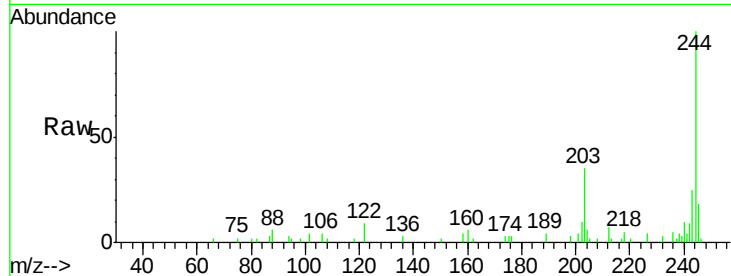
#78
 Terphenyl-d14
 Concen: 4.26 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.01 min
 Lab File: BF089193.D
 Acq: 22 Jul 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-COMPDL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	7.0	10.4
122	8.6	13.8	20.8#

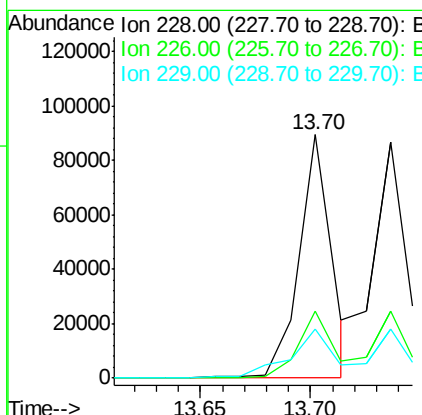
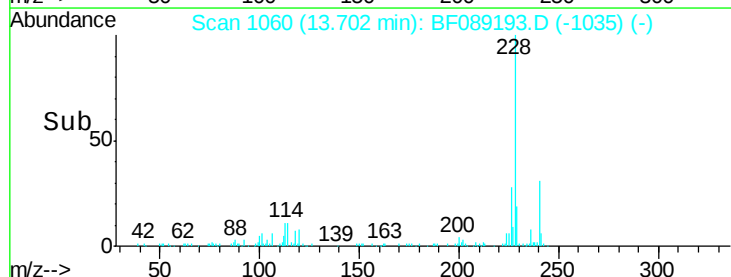
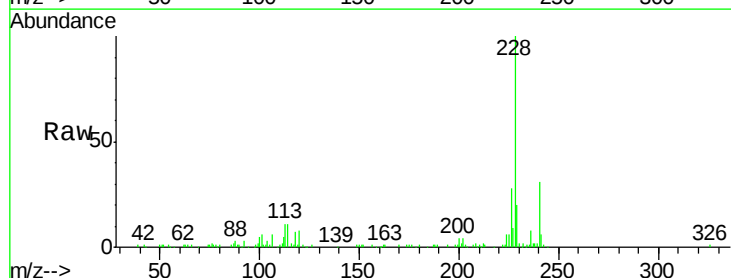
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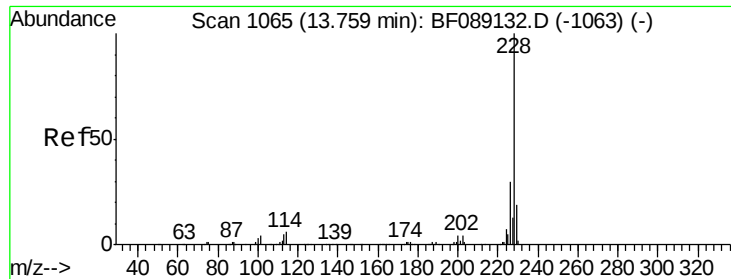
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#80
 Benzo(a)anthracene
 Concen: 14.66 ng m
 RT: 13.70 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: BF089193.D
 Acq: 22 Jul 2016 13:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	19.9	15.8	23.8





#82

Chrysene

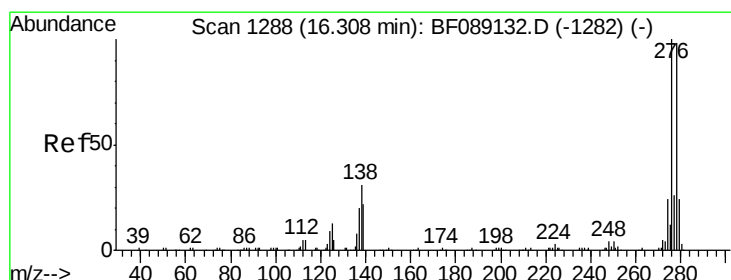
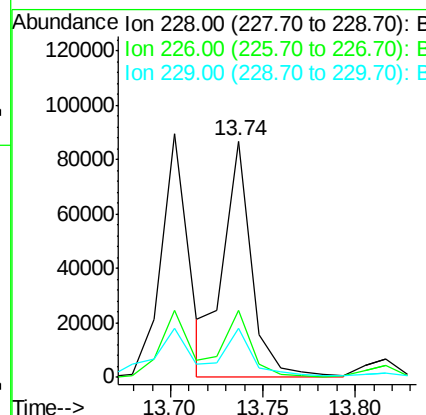
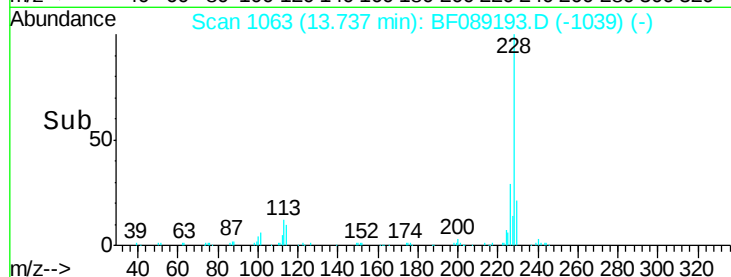
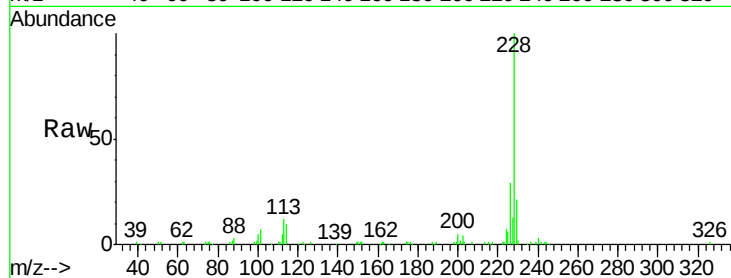
Concen: 15.42 ng m
RT: 13.74 min Scan# 1063
Delta R.T. -0.02 min
Lab File: BF089193.D
Acq: 22 Jul 2016 13:10

Instrument :
BNA_F
ClientSampleId :
SB-10-COMPDL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.8	35.8
229	21.0	15.4	23.0

Manual Integrations
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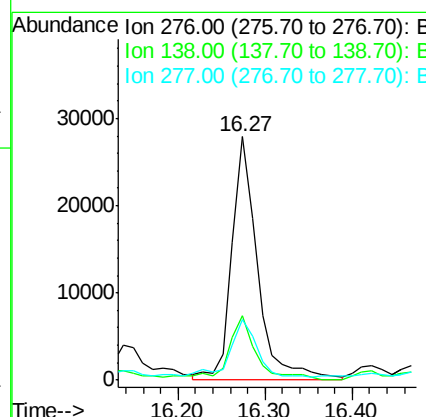
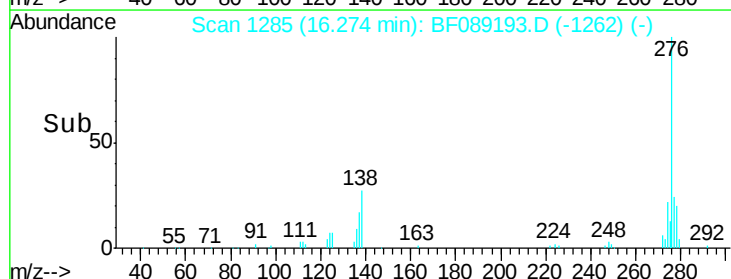
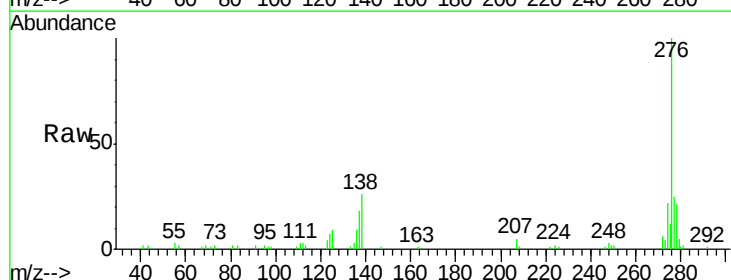


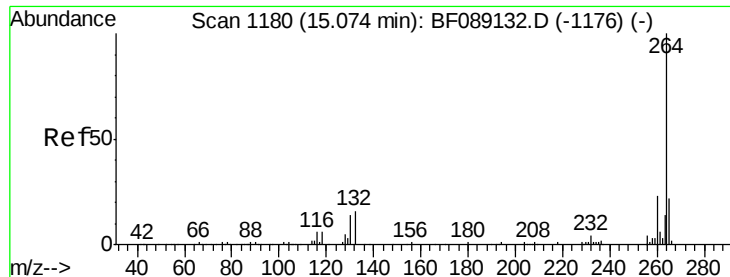
#85

Indeno(1,2,3-cd)pyrene

Concen: 13.31 ng
RT: 16.27 min Scan# 1285
Delta R.T. -0.03 min
Lab File: BF089193.D
Acq: 22 Jul 2016 13:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.6	23.7	35.5
277	29.6	20.6	31.0





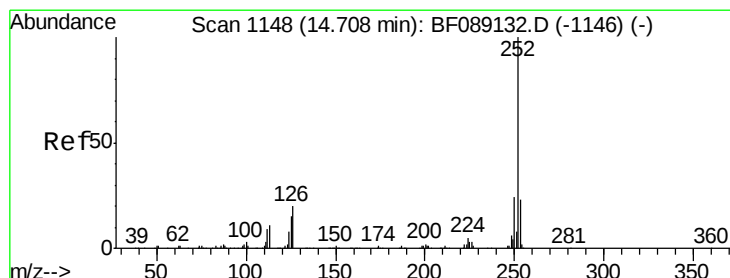
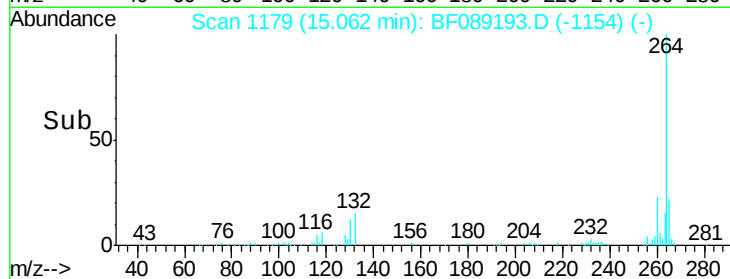
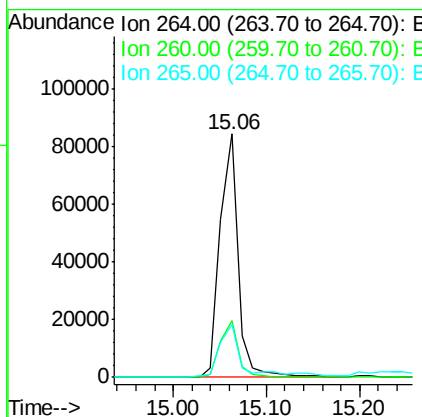
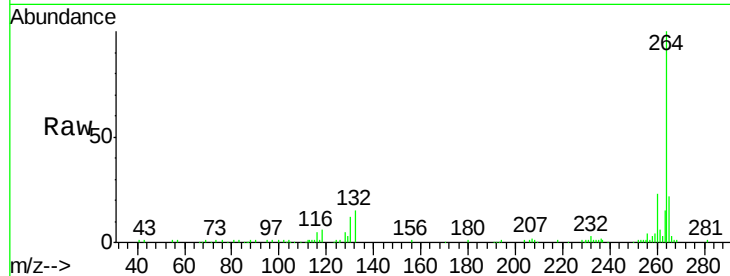
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF089193.D
Acq: 22 Jul 2016 13:10

Instrument :
BNA_F
ClientSampleId :
SB-10-COMPDL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	113841		
260	23.3	18.5	27.7	
265	21.9	17.3	25.9	

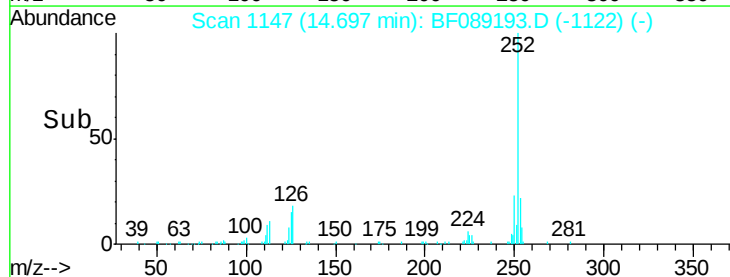
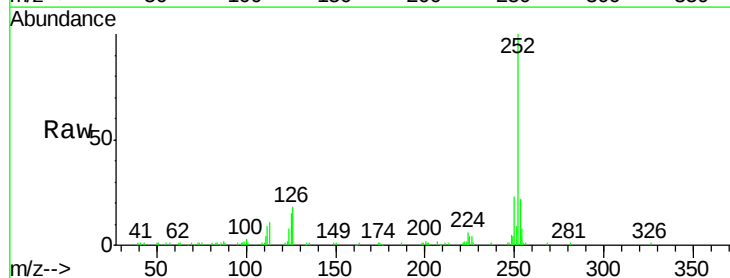
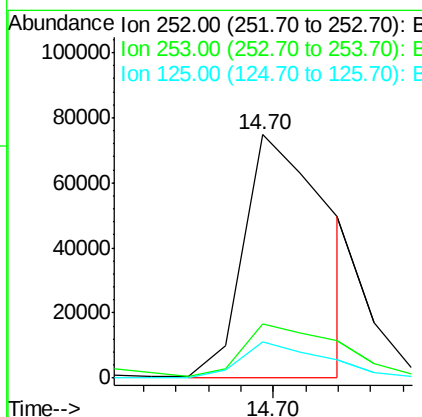
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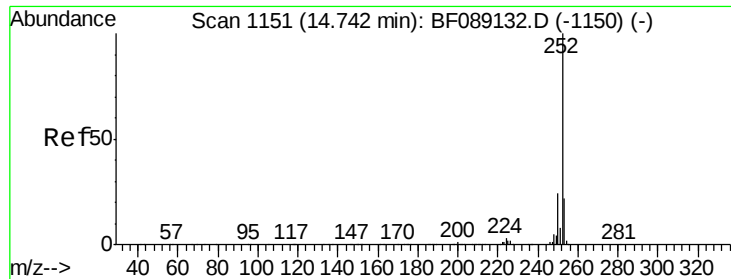
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#87
Benzo(b)fluoranthene
Concen: 16.40 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF089193.D
Acq: 22 Jul 2016 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	135220		
253	22.4	18.2	27.2	
125	14.8	11.9	17.9	





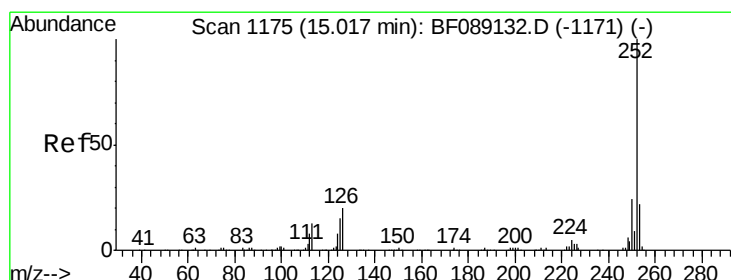
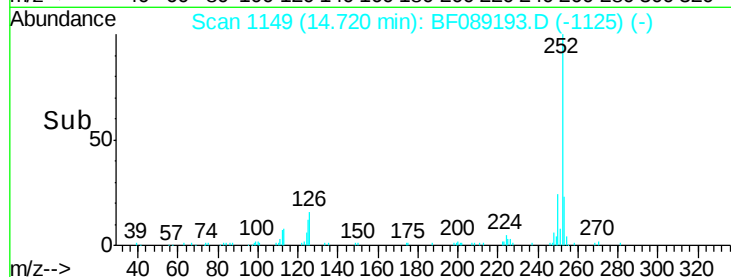
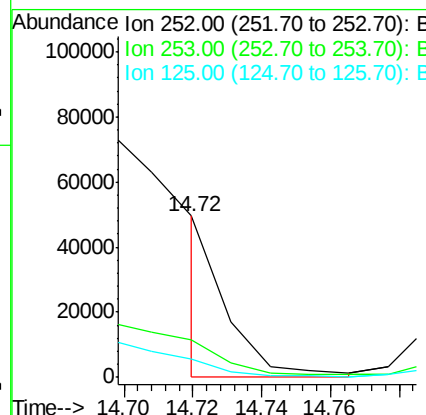
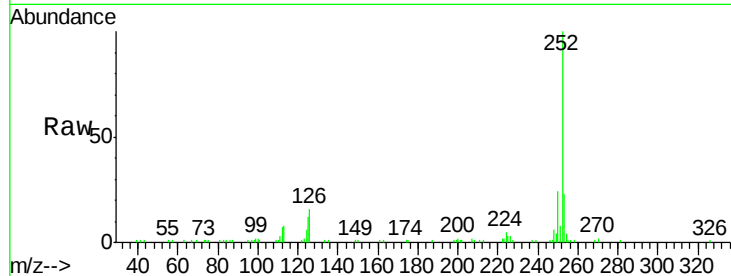
#88
Benzo(k)fluoranthene
Concen: 2.76 ng m
RT: 14.72 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF089193.D
Acq: 22 Jul 2016 13:10

Instrument :
BNA_F
ClientSampleId :
SB-10-COMPDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	11.8	6.3	9.5

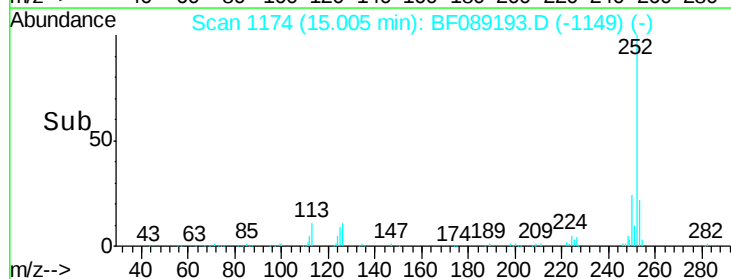
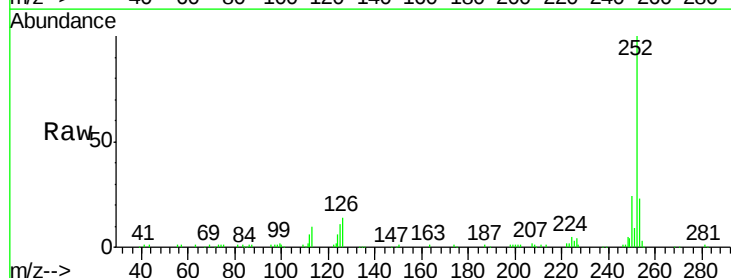
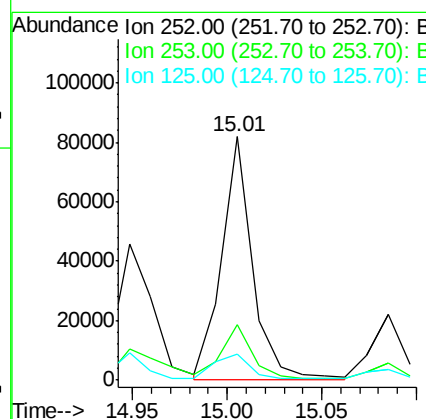
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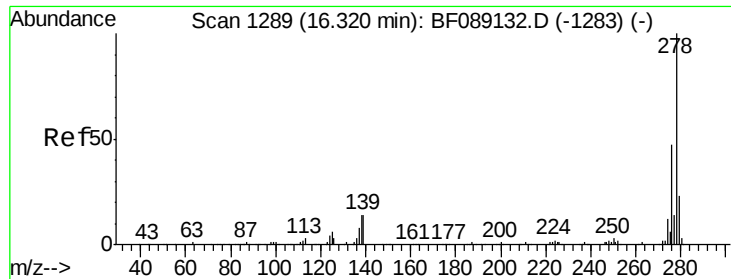
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#89
Benzo(a)pyrene
Concen: 14.59 ng m
RT: 15.01 min Scan# 1174
Delta R.T. -0.01 min
Lab File: BF089193.D
Acq: 22 Jul 2016 13:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	10.8	12.4	18.6





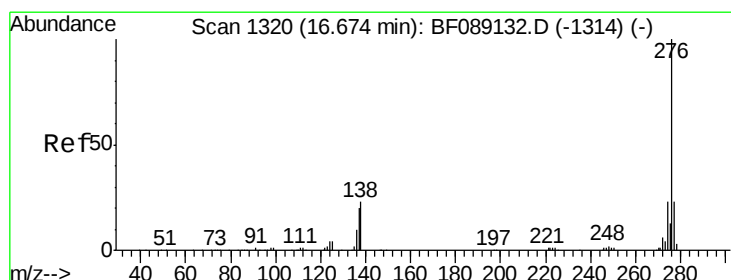
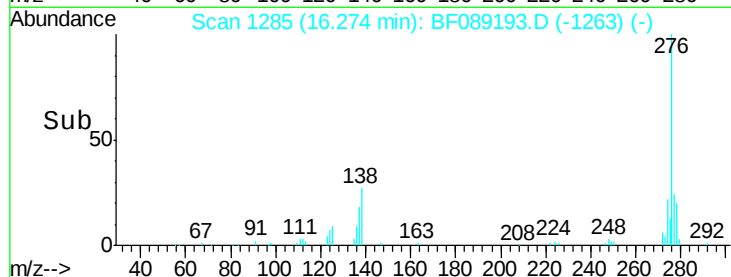
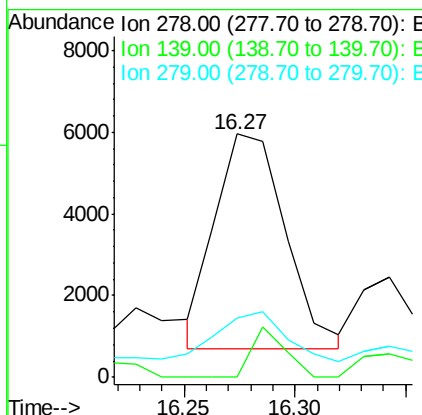
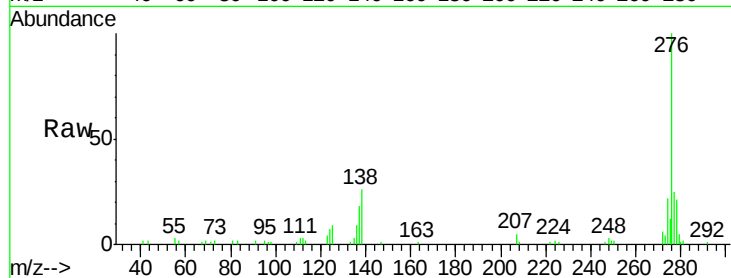
#90
Dibenzo(a,h)anthracene
Concen: 2.28 ng m
RT: 16.27 min Scan# 1285
Delta R.T. -0.05 min
Lab File: BF089193.D
Acq: 22 Jul 2016 13:10

Instrument :
BNA_F
ClientSampleId :
SB-10-COMPDL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.4	17.2#
279	24.2	18.4	27.6

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#91
Benzo(g,h,i)perylene
Concen: 10.23 ng
RT: 16.64 min Scan# 1317
Delta R.T. -0.03 min
Lab File: BF089193.D
Acq: 22 Jul 2016 13:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.5	27.7
138	25.3	18.5	27.7

