

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
 Data File : BF087821.D
 Acq On : 8 Jun 2016 20:48
 Operator : UM/SJ
 Sample : H3379-08 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-5

Manual Integrations
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Quant Time: Jun 09 04:11:58 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	123711	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	533384	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	226059	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	350161	20.00	ng	0.00
75) Chrysene-d12	14.00	240	294790	20.00	ng	0.01
86) Perylene-d12	15.43	264	269587	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	454631	62.82	ng	-0.01
7) Phenol-d6	6.46	99	563227	64.22	ng	-0.02
23) Nitrobenzene-d5	7.39	82	404850	44.32	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	132599	55.55	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	666945	43.65	ng	-0.01
78) Terphenyl-d14	12.95	244	448369	34.61	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.14	128	75896	2.88	ng	97
49) Dimethylphthalate	9.59	163	192925	11.78	ng	100
51) Acenaphthene	9.90	154	57050	3.93	ng	98
54) Dibenzofuran	10.07	168	52211	2.61	ng	# 89
70) Phenanthrene	11.38	178	703489	38.29	ng	99
71) Anthracene	11.43	178	207037	11.17	ng	98
72) Carbazole	11.59	167	87642	5.05	ng	96
74) Fluoranthene	12.57	202	839988	43.32	ng	99
77) Pyrene	12.80	202	794275	36.31	ng	100
80) Benzo(a)anthracene	13.99	228	471021	28.04	ng	98
82) Chrysene	14.02	228	413260m	26.15	ng	
85) Indeno(1,2,3-cd)pyrene	16.82	276	230172	15.68	ng	# 100
87) Benzo(b)fluoranthene	15.02	252	485988m	25.86	ng	
88) Benzo(k)fluoranthene	15.03	252	211328m	14.91	ng	
89) Benzo(a)pyrene	15.37	252	394945	25.98	ng	# 94
90) Dibenzo(a,h)anthracene	16.83	278	56438	4.00	ng	95
91) Benzo(a,h,i)perylene	17.25	276	212782	14.65	ng	94

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

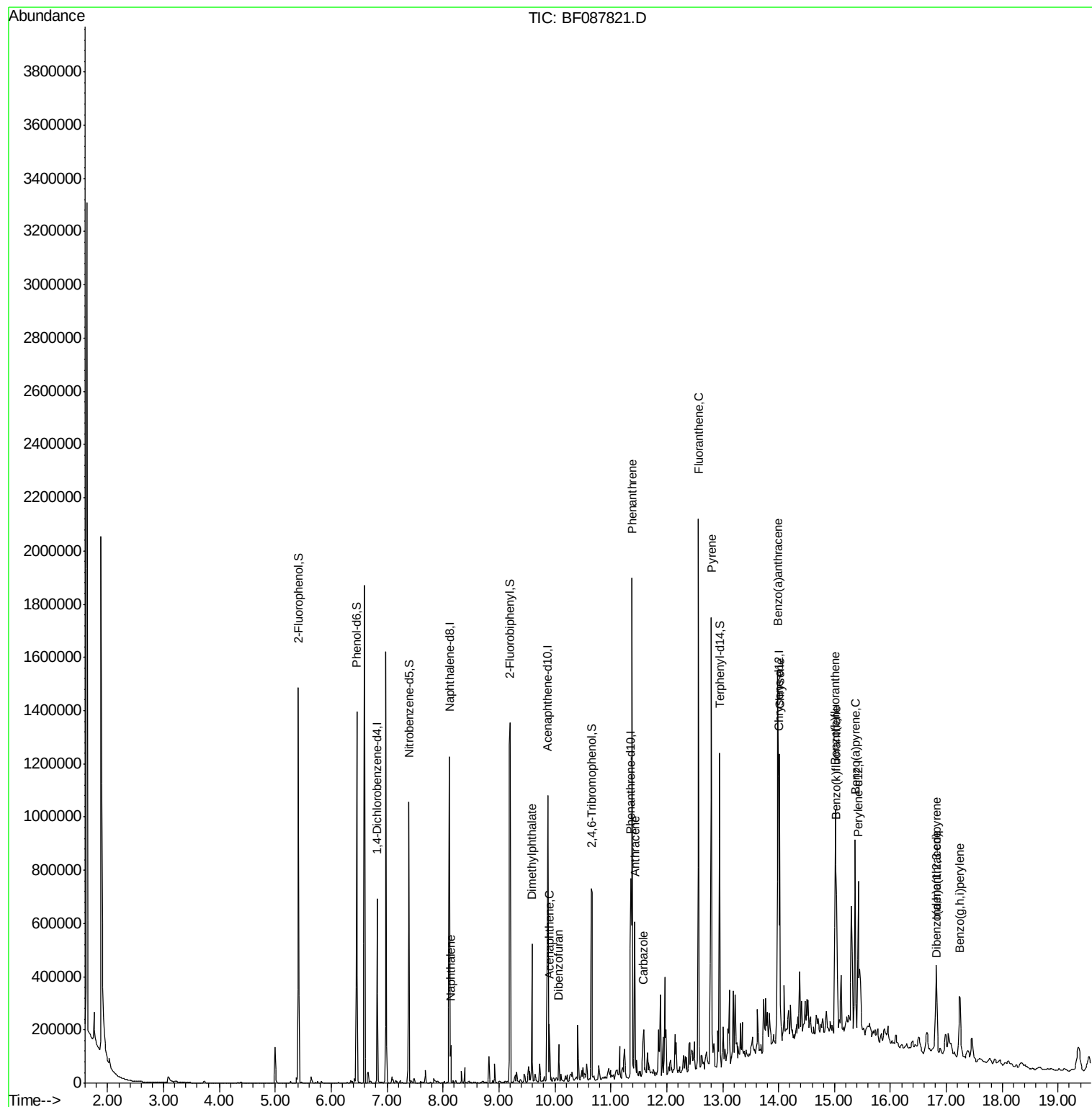
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087821.D
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ALS Vial : 16 Sample Multiplier: 1

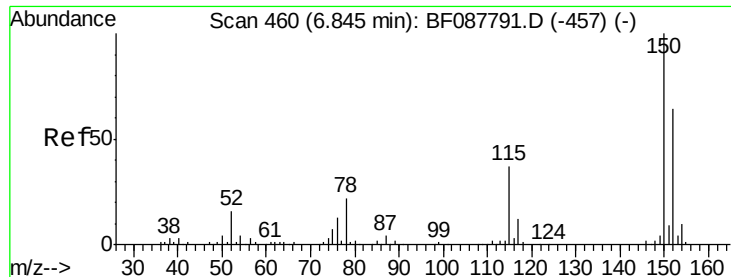
Instrument :
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#1

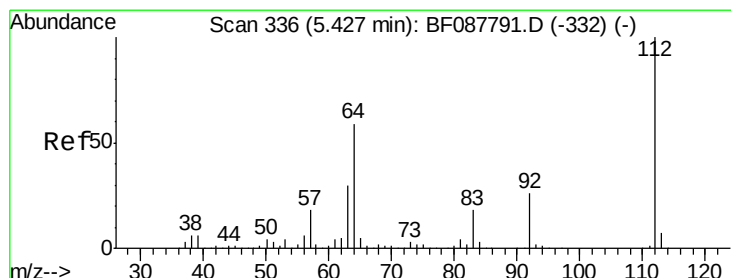
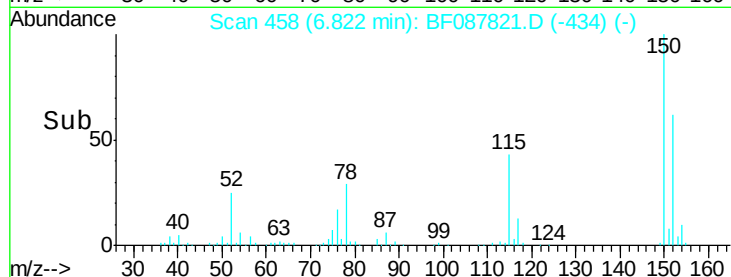
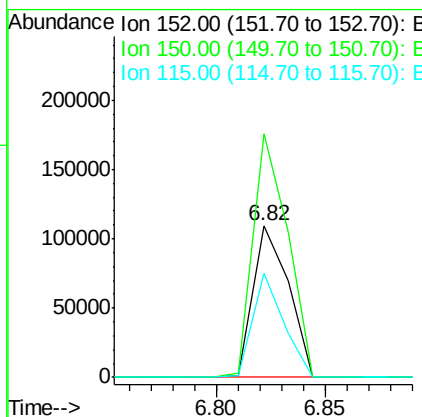
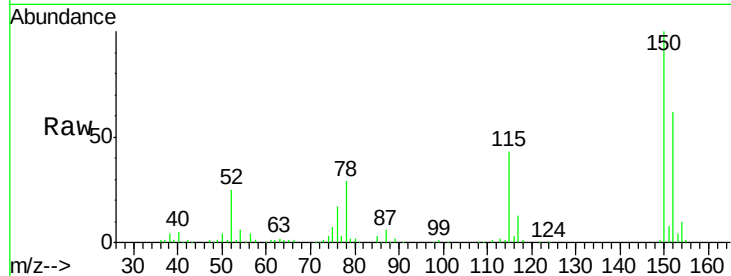
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Instrument :
BNA_F
ClientSampled :
SS-5

Tot Ion	Ratio	Resp	Lower	Upper
152	100	123711		
150	160.6	123.8	185.6	
115	68.8	39.6	59.4	

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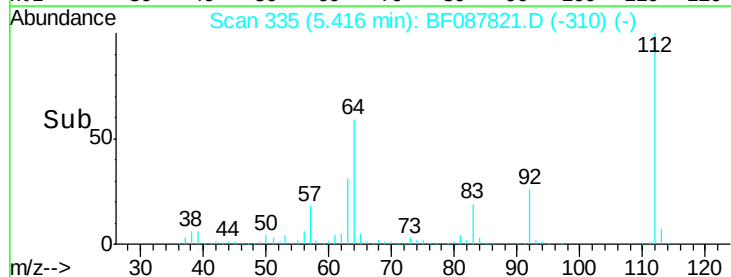
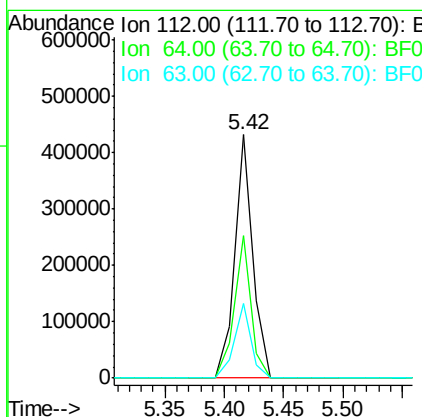
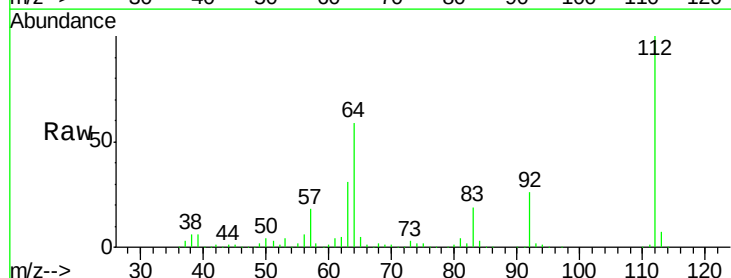
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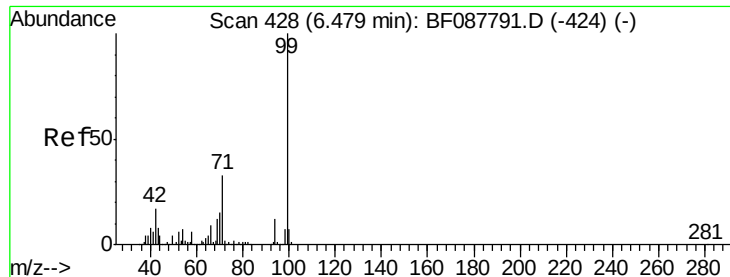


#5

2-Fluorophenol
Concen: 62.82 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.01 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	454631		
64	58.5	42.2	63.2	
63	30.6	21.8	32.8	





#7

Phenol-d6

Concen: 64.22 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087821.D

Acq: 8 Jun 2016 20:48

Instrument :

BNA_F

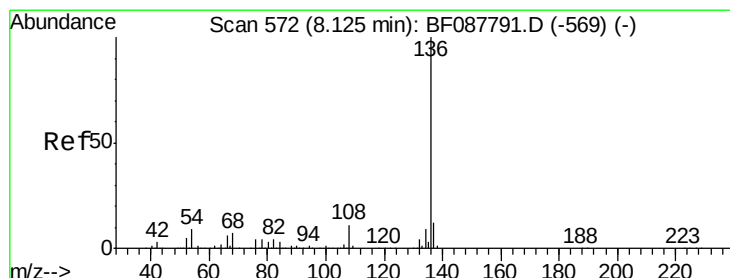
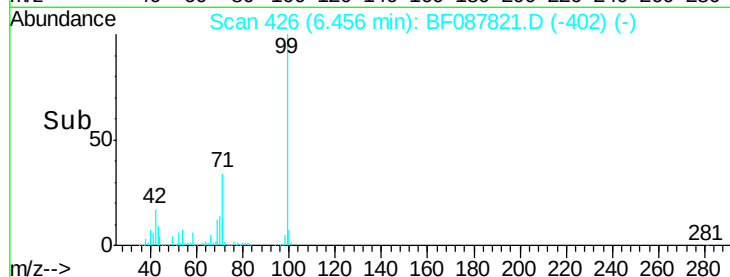
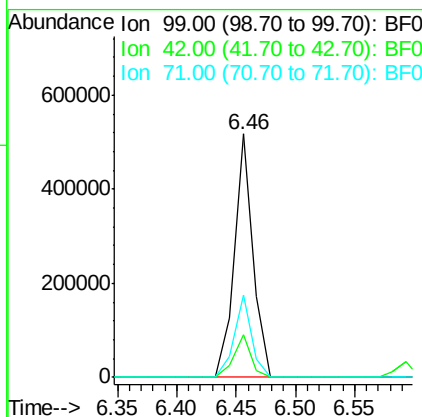
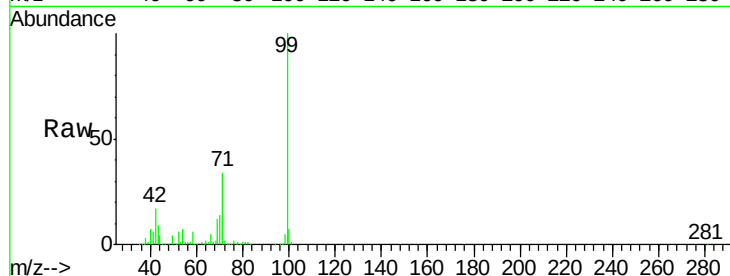
ClientSampled :

SS-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		563227		
42	17.5	12.2	18.2		
71	33.9	23.4	35.0		

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#21

Naphthalene-d8

Concen: 20.00 ng

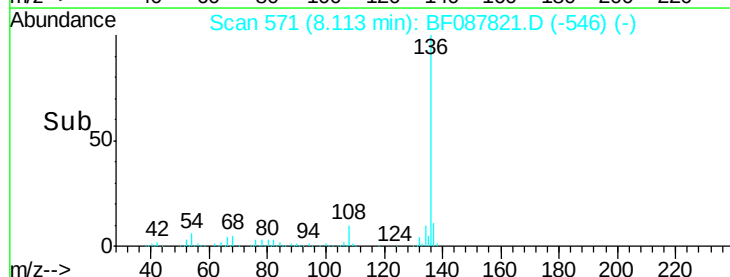
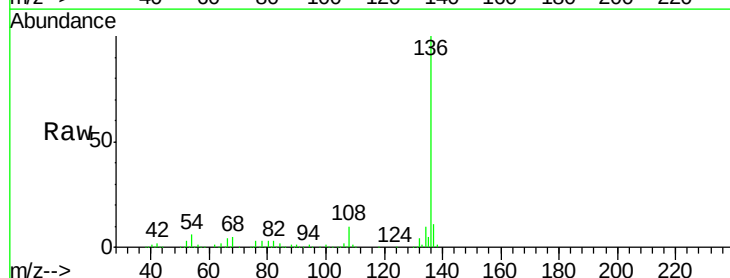
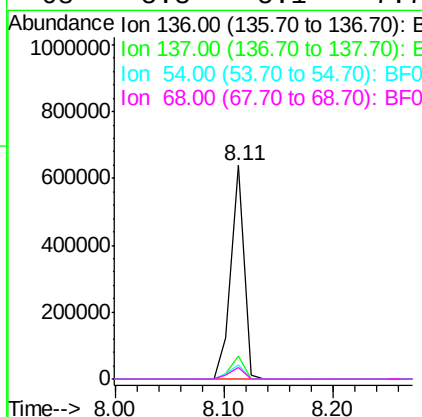
RT: 8.11 min Scan# 571

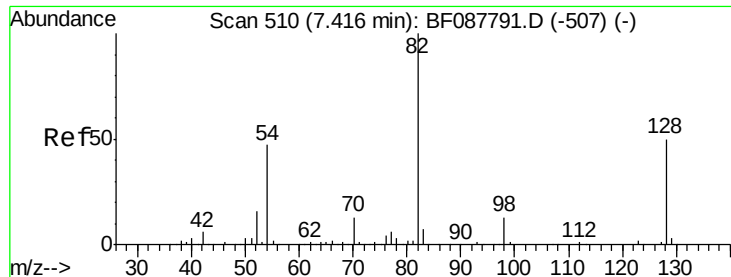
Delta R.T. -0.01 min

Lab File: BF087821.D

Acq: 8 Jun 2016 20:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		533384		
137	11.1	9.1	13.7		
54	6.3	6.6	10.0#		
68	5.3	5.1	7.7		





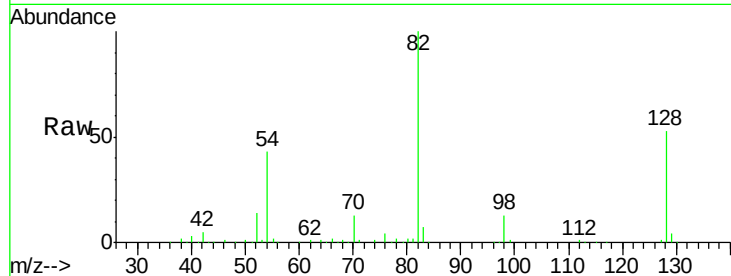
#23
Nitrobenzene-d5
Concen: 44.32 ng
RT: 7.39 min Scan# 508
Delta R.T. -0.02 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Instrument :
BNA_F
ClientSampled :
SS-5

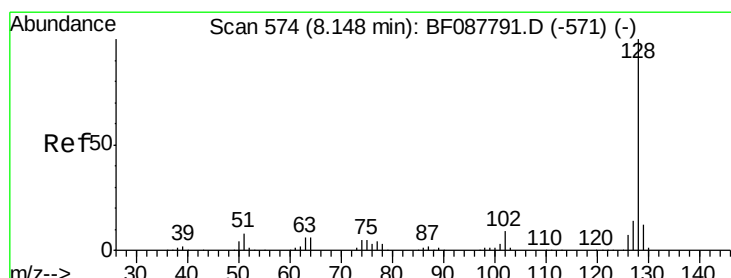
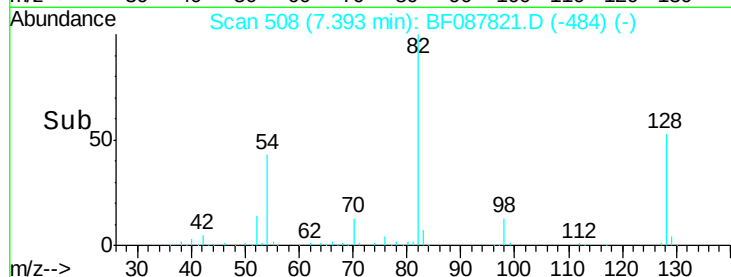
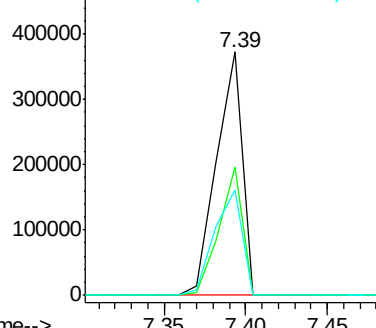
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	52.5	35.9	53.9	
54	43.3	40.9	61.3	

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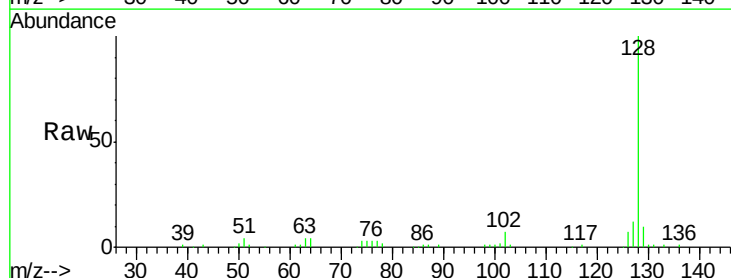


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

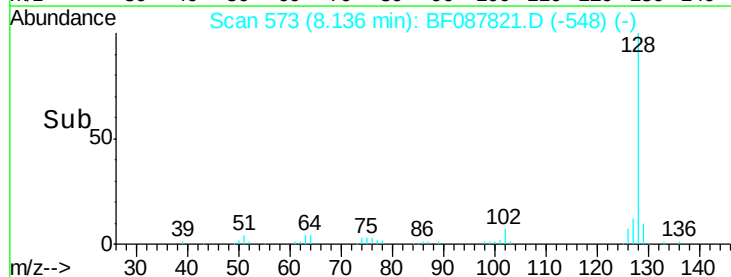
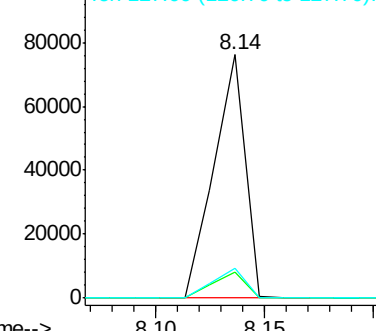


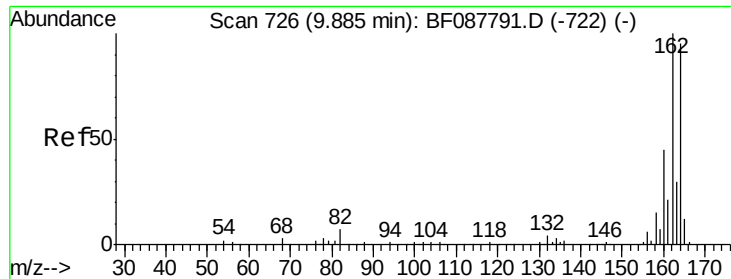
#31
Naphthalene
Concen: 2.88 ng
RT: 8.14 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.5	9.4	14.2	
127	12.5	10.9	16.3	



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





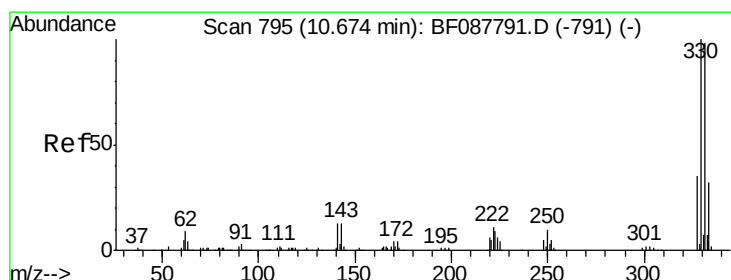
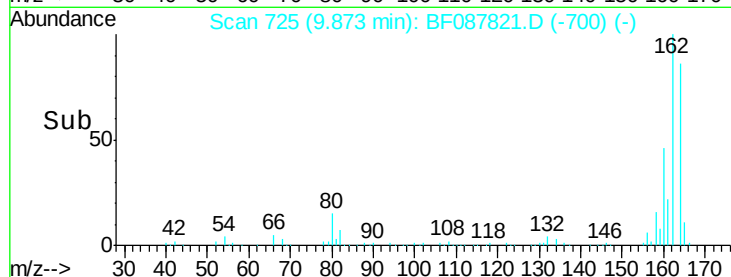
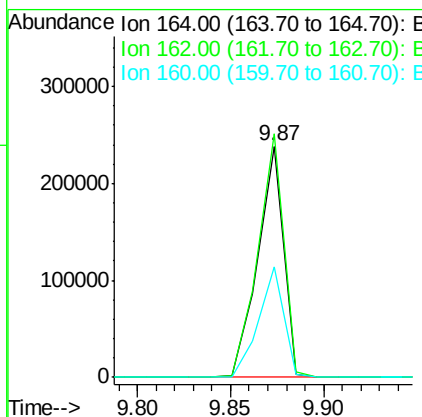
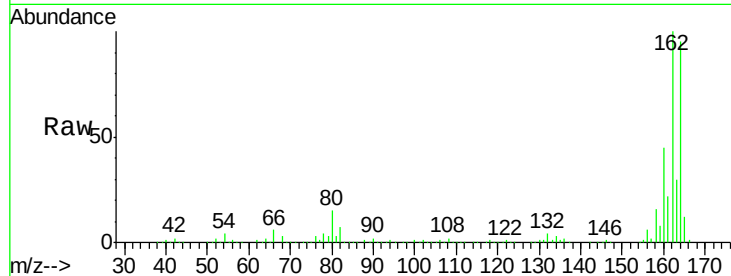
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Instrument :
BNA_F
ClientSampleId :
SS-5

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.5	85.4	128.2	
160	47.9	39.5	59.3	

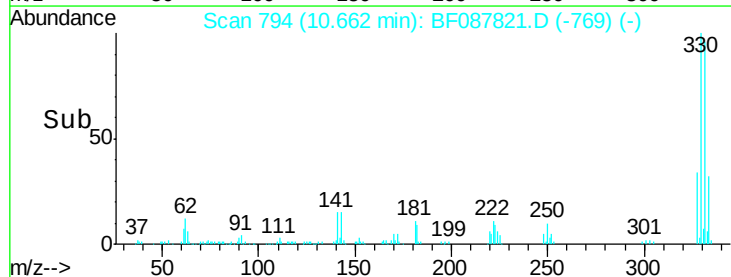
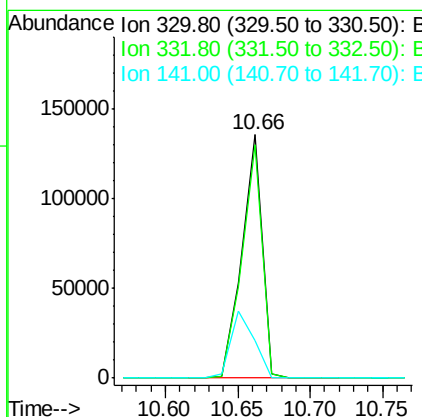
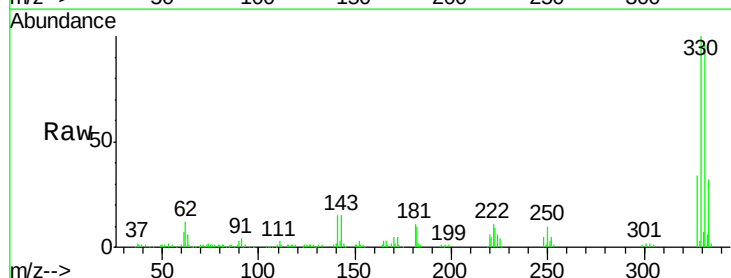
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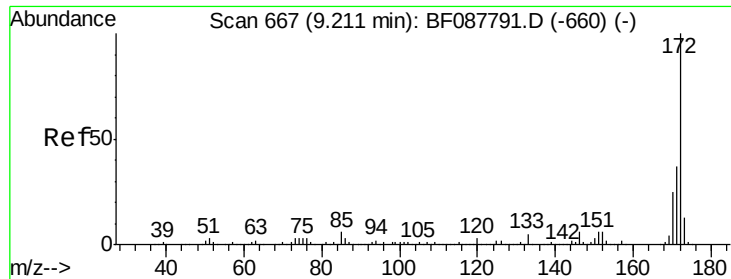
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#41
2,4,6-Tribromophenol
Concen: 55.55 ng
RT: 10.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	0.0	0.0#	
141	32.4	0.0	0.0#	





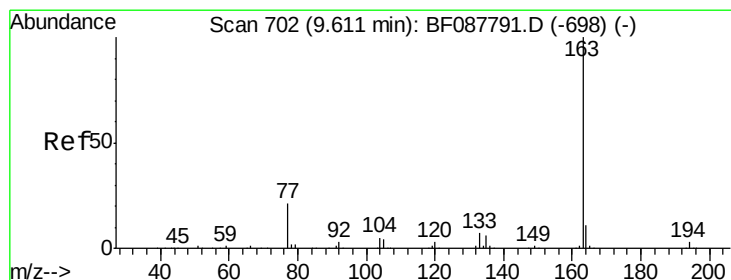
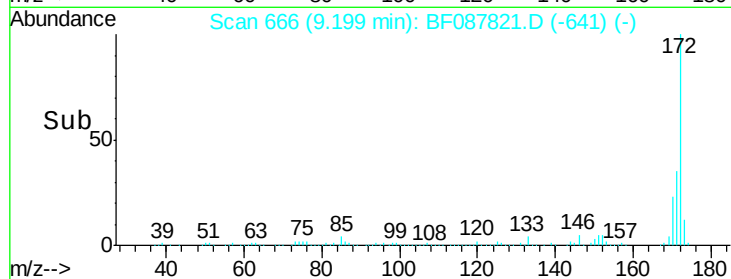
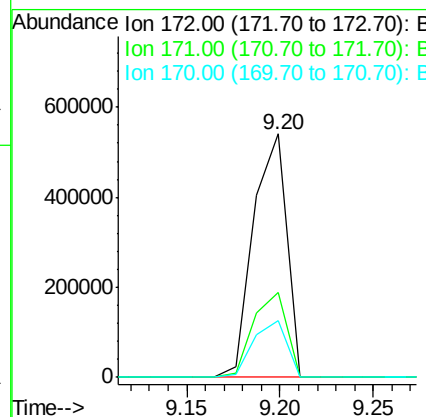
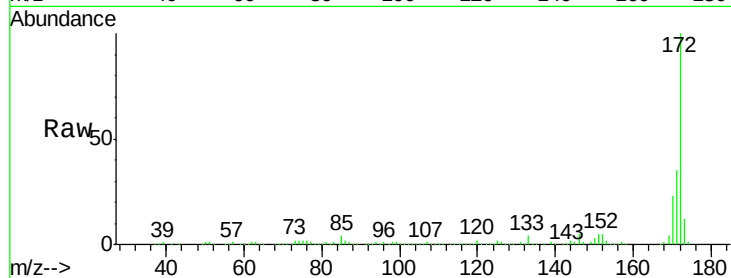
#44
2-Fluorobiphenyl
Concen: 43.65 ng
RT: 9.20 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100	666945		
171	34.7		28.6	43.0
170	23.3		19.2	28.8

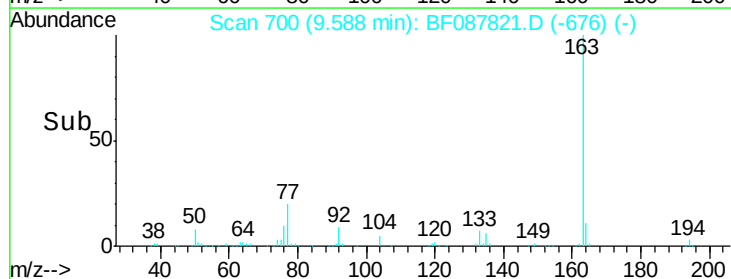
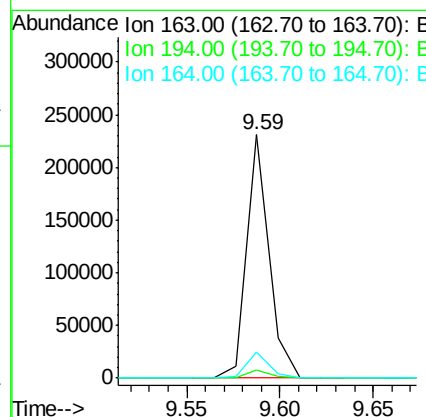
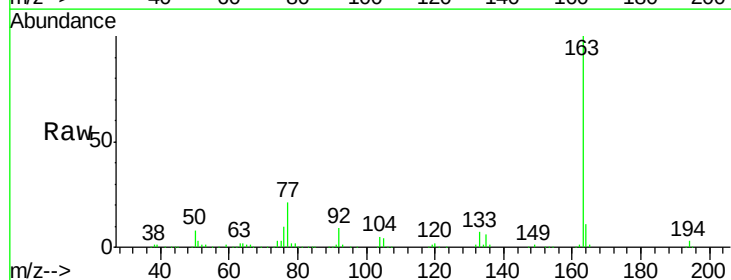
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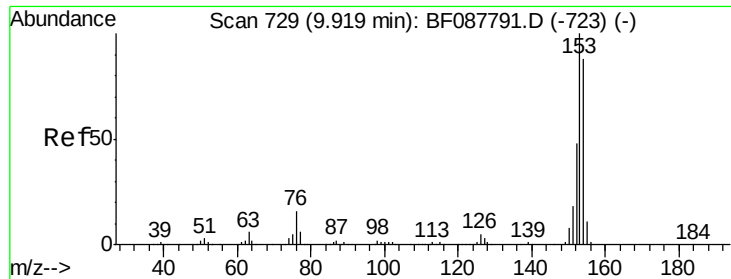
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#49
Dimethylphthalate
Concen: 11.78 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.02 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	192925		
194	3.2		2.8	4.2
164	10.5		8.3	12.5





#51

Acenaphthene

Concen: 3.93 ng

RT: 9.90 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF087821.D

Acq: 8 Jun 2016 20:48

Instrument :

BNA_F

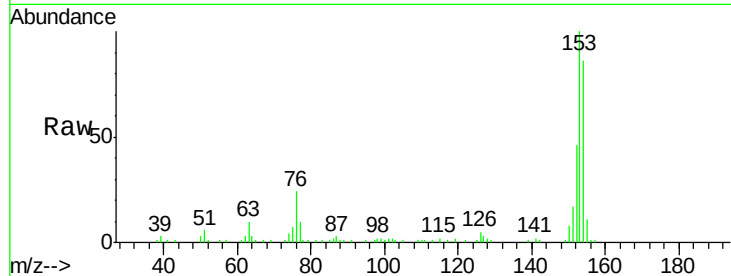
ClientSampled :

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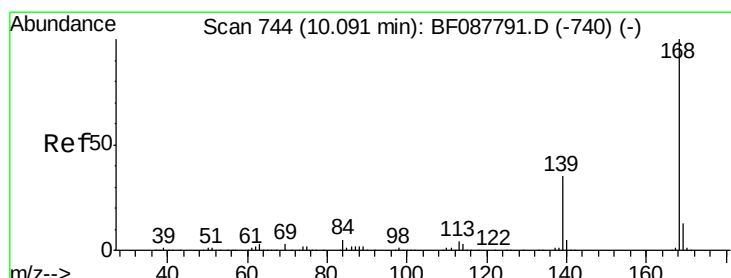
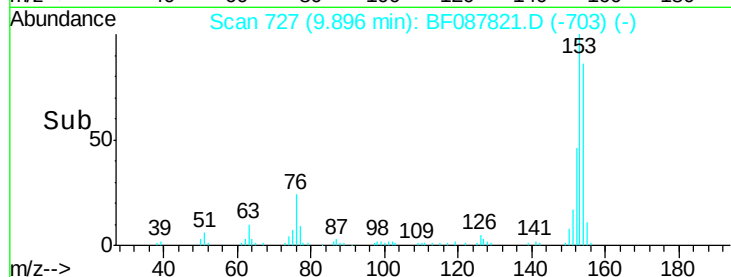
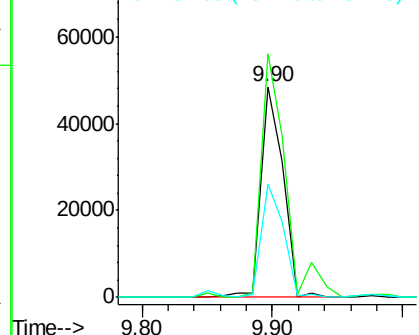
Tot Ion:	154	Resp:	57050
Ion Ratio	Lower	Upper	
154	100		
153	115.6	89.5	134.3
152	53.5	42.7	64.1

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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



#54

Dibenzofuran

Concen: 2.61 ng

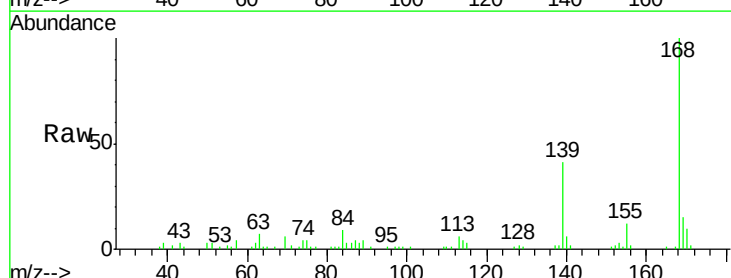
RT: 10.07 min Scan# 742

Delta R.T. -0.02 min

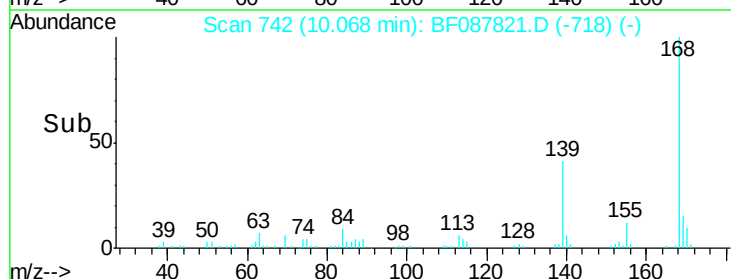
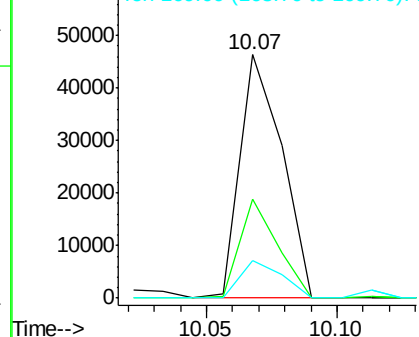
Lab File: BF087821.D

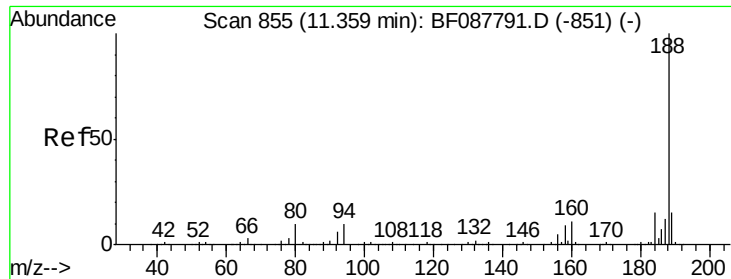
Acq: 8 Jun 2016 20:48

Tgt Ion:	168	Resp:	52211
Ion Ratio	Lower	Upper	
168	100		
139	40.6	26.4	39.6#
169	15.2	10.4	15.6



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





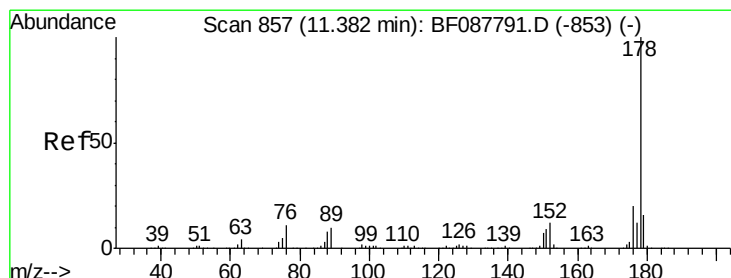
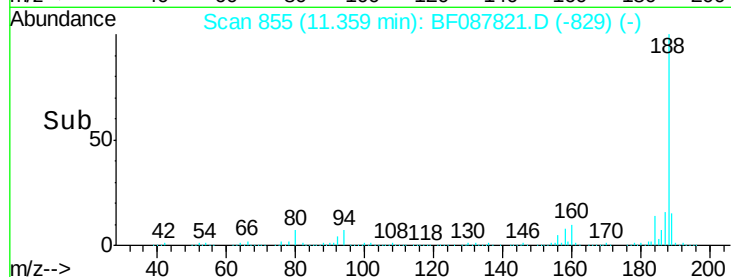
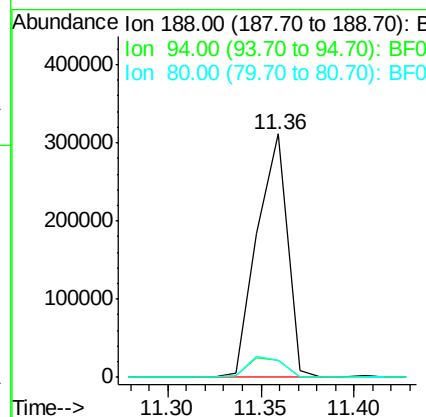
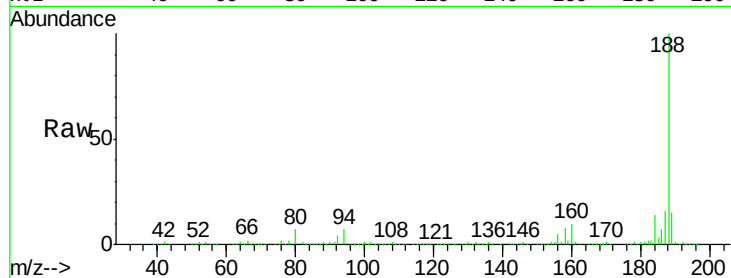
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 855
Delta R.T. -0.00 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	350161		
94	7.2	9.0	13.6#	
80	7.2	10.0	15.0#	

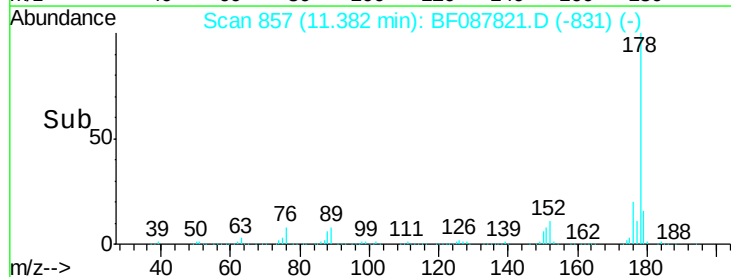
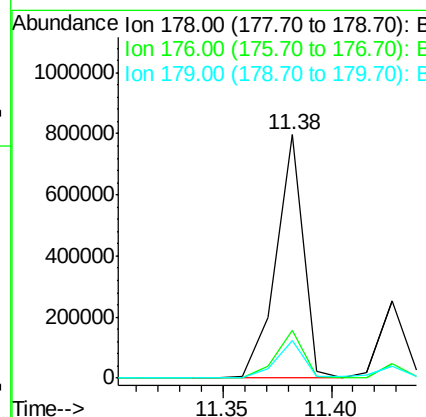
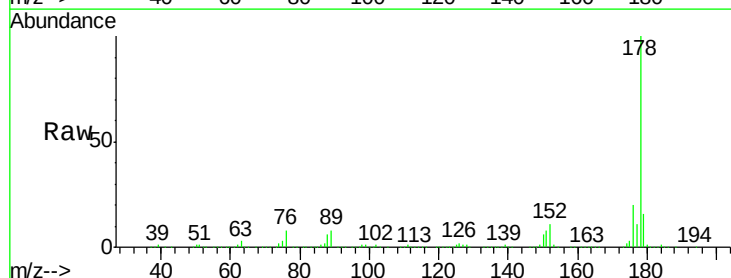
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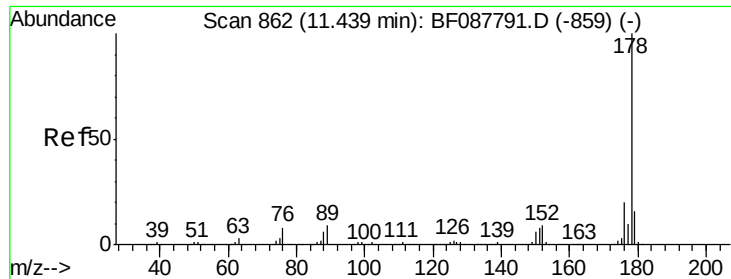
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#70
Phenanthrene
Concen: 38.29 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	703489		
176	19.6	15.8	23.6	
179	15.6	13.0	19.4	





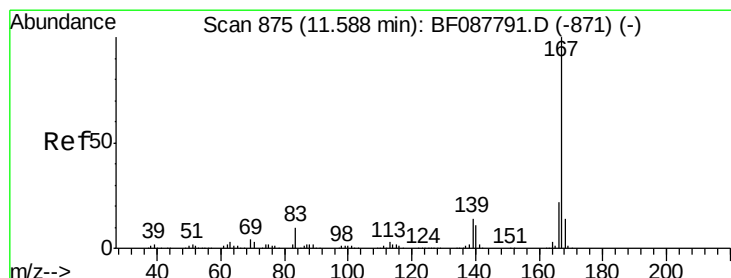
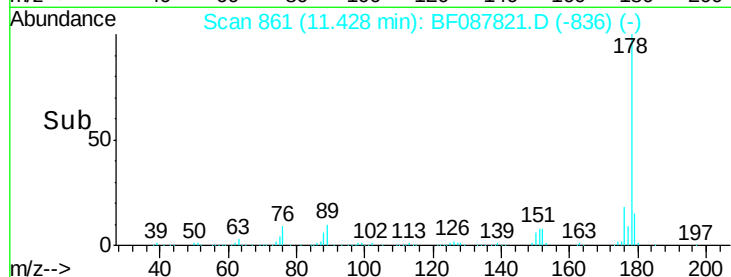
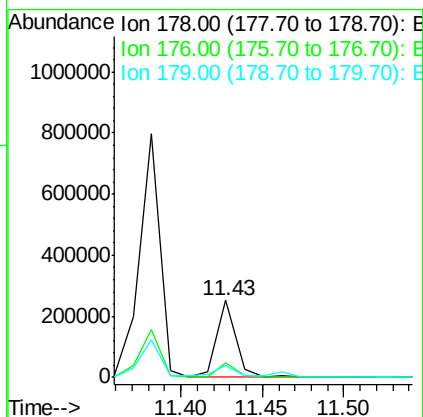
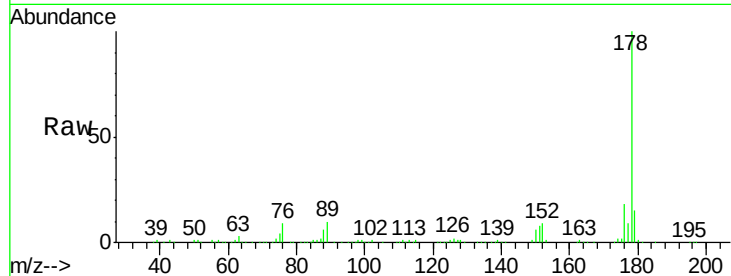
#71
 Anthracene
 Concen: 11.17 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF087821.D
 Acq: 8 Jun 2016 20:48

Instrument :
 BNA_F
 ClientSampled :
 SS-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.6	23.4
179	15.4	12.8	19.2

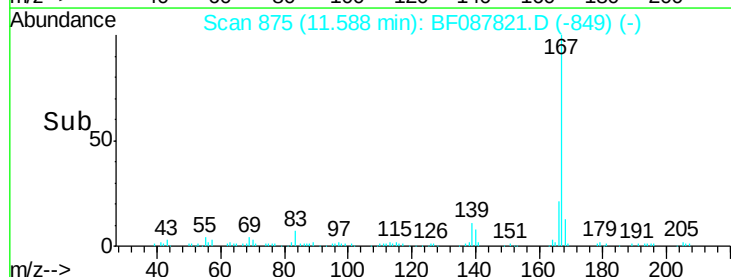
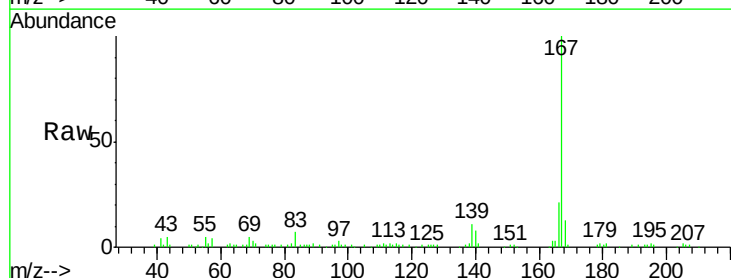
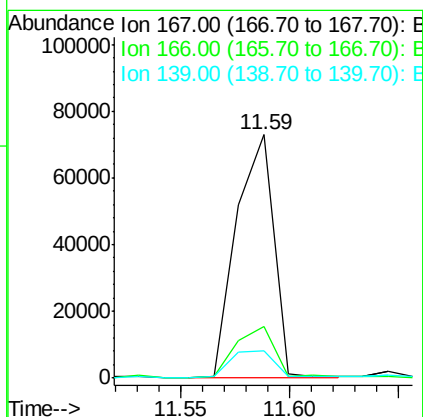
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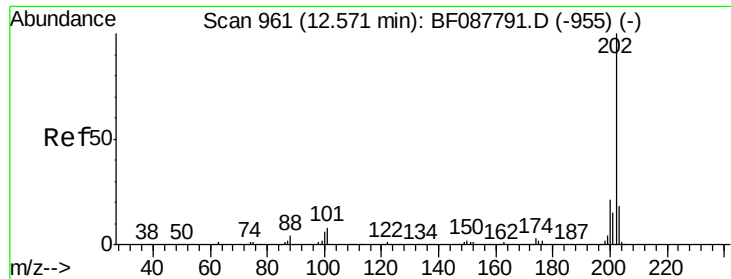
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#72
 Carbazole
 Concen: 5.05 ng
 RT: 11.59 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: BF087821.D
 Acq: 8 Jun 2016 20:48

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.8	26.6
139	11.4	11.2	16.8





#74

Fluoranthene

Concen: 43.32 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF087821.D

Acq: 8 Jun 2016 20:48

Instrument :

BNA_F

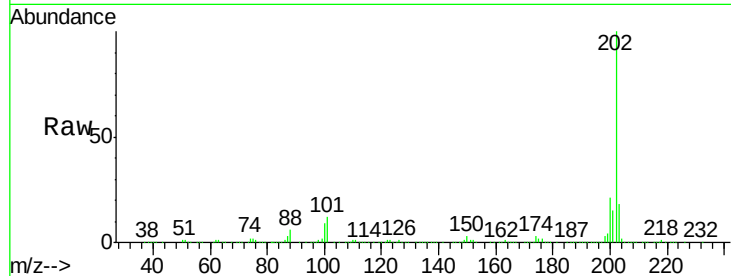
ClientSampleId :

SS-5

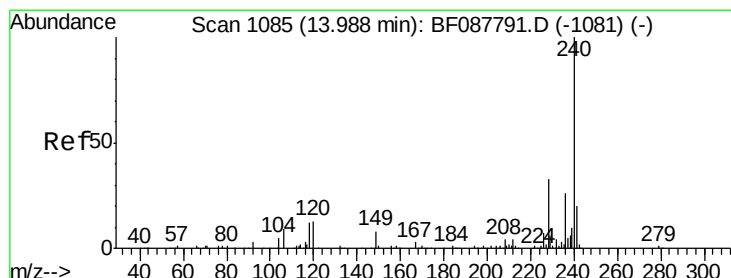
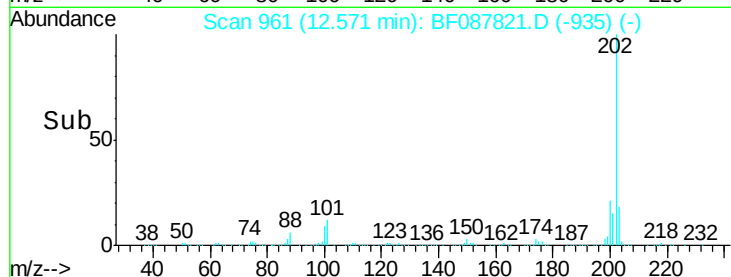
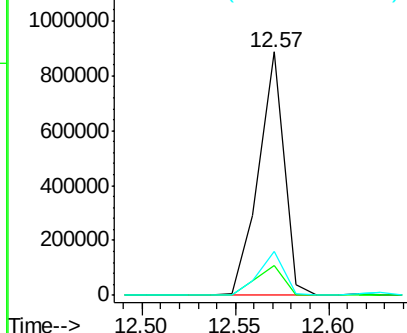
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		839988		
101	12.3	0.0	33.1		
203	18.1	0.0	38.1		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

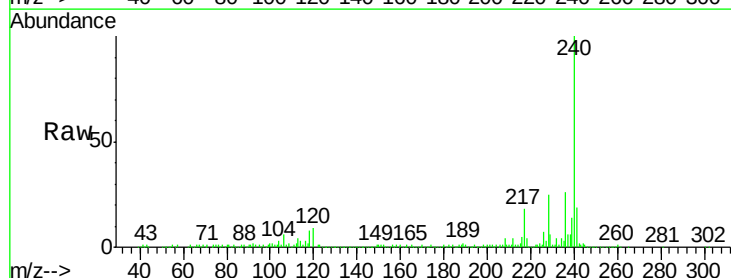
RT: 14.00 min Scan# 1086

Delta R.T. 0.01 min

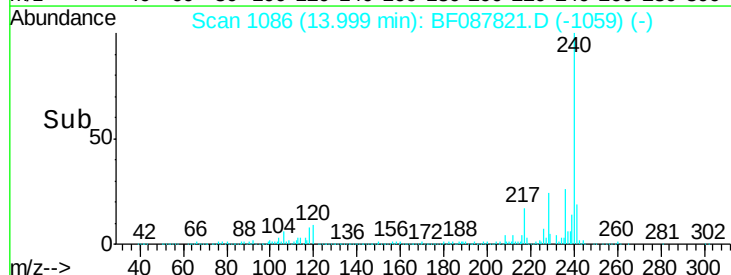
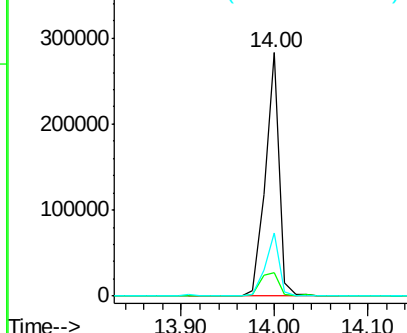
Lab File: BF087821.D

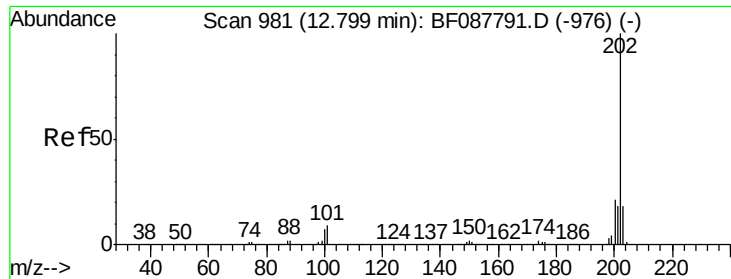
Acq: 8 Jun 2016 20:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		294790		
120	9.4	6.8	10.2		
236	25.9	20.2	30.2		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





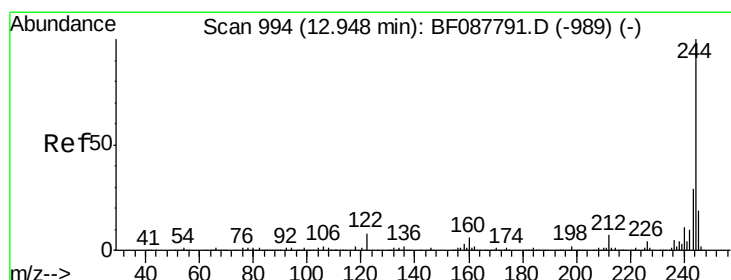
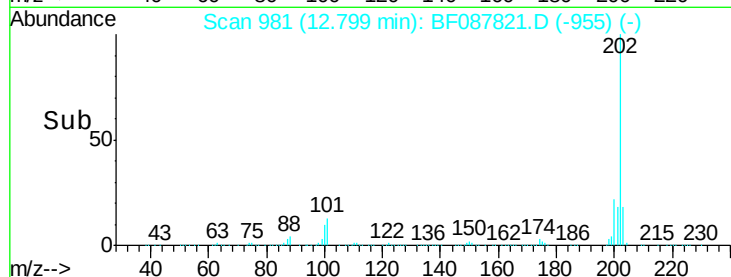
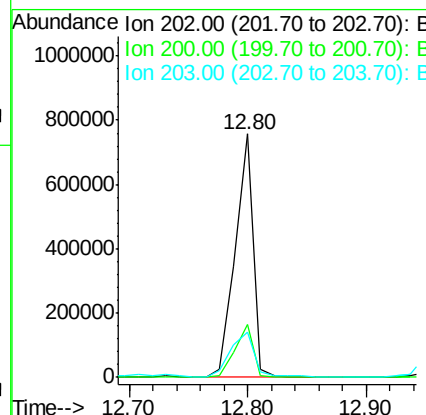
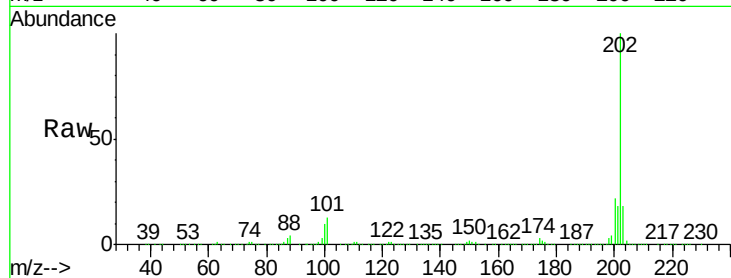
#77
Pvrene
Concen: 36.31 ng
RT: 12.80 min Scan# 981
Delta R.T. -0.00 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Instrument :
BNA_F
ClientSampled :
SS-5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.3	14.5	21.7

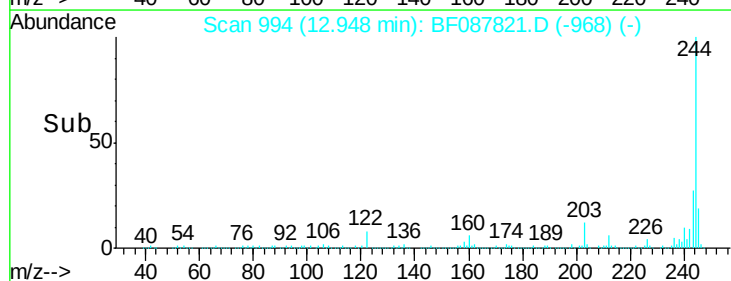
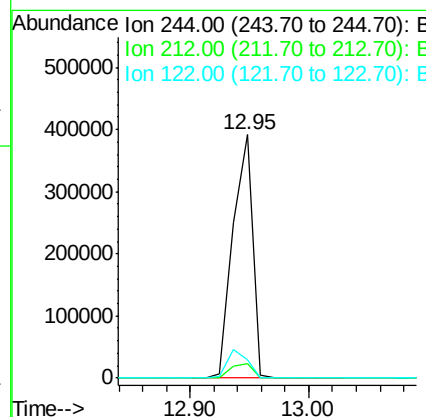
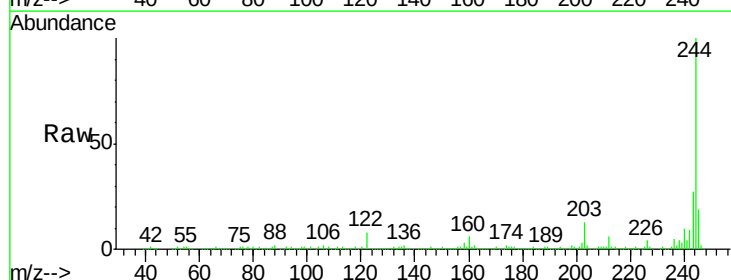
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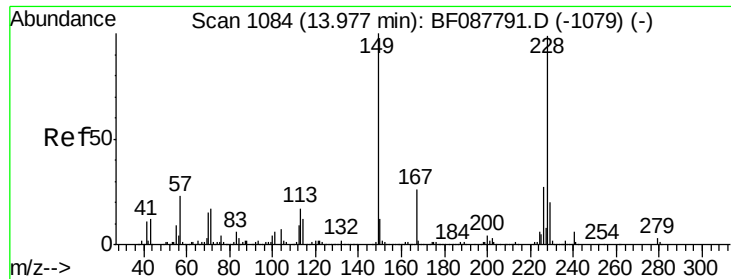
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#78
Terphenyl-d14
Concen: 34.61 ng
RT: 12.95 min Scan# 994
Delta R.T. -0.00 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.2	6.0	9.0
122	7.6	11.2	16.8#





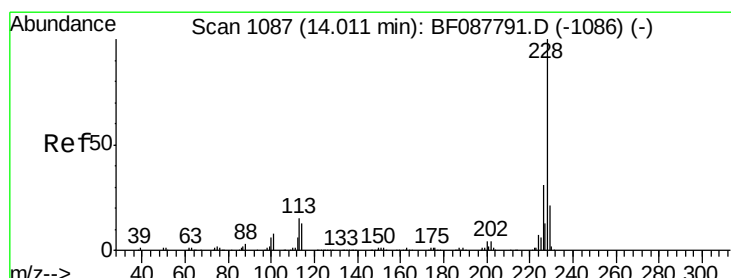
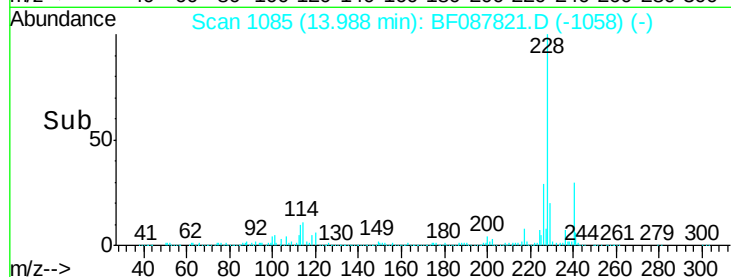
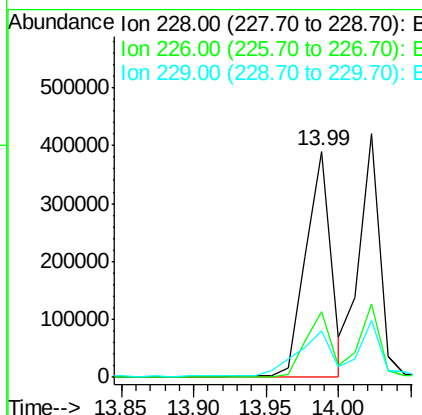
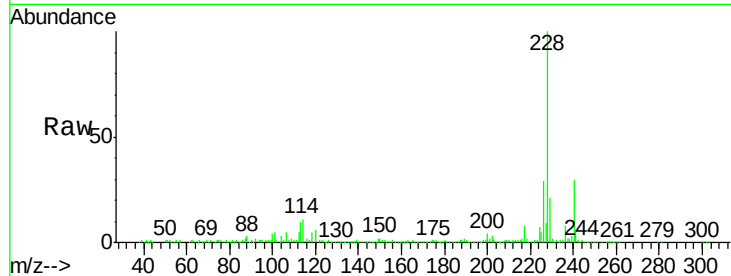
#80
Benzo(a)anthracene
Concen: 28.04 ng
RT: 13.99 min Scan# 1085
Delta R.T. 0.01 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Instrument :
BNA_F
ClientSampled :
SS-5

Tot Ion:	228	Resp:	471021
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.3	33.5
229	20.7	16.0	24.0

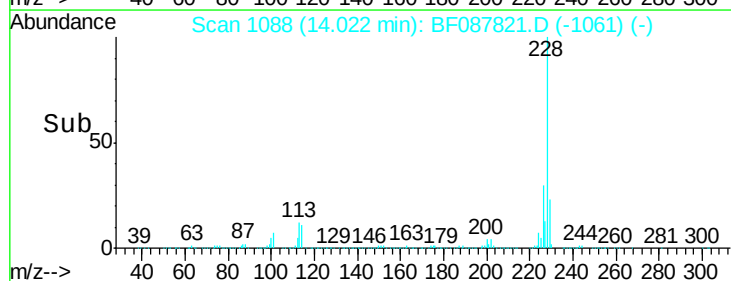
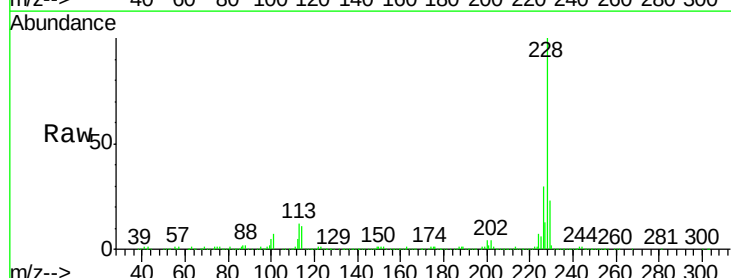
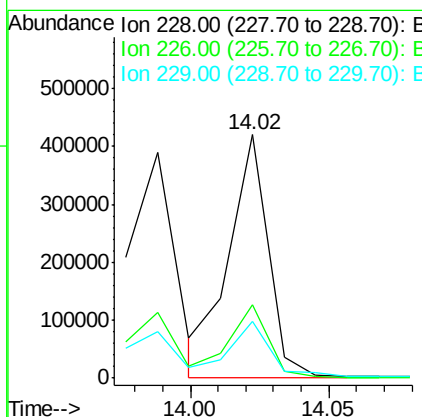
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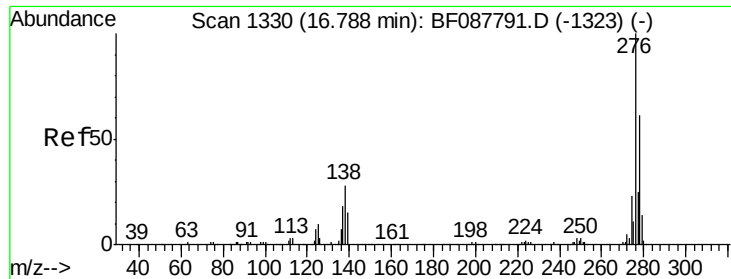
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#82
Chrysene
Concen: 26.15 ng m
RT: 14.02 min Scan# 1088
Delta R.T. 0.01 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Tgt Ion:	228	Resp:	413260
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.4	38.2
229	23.1	16.3	24.5





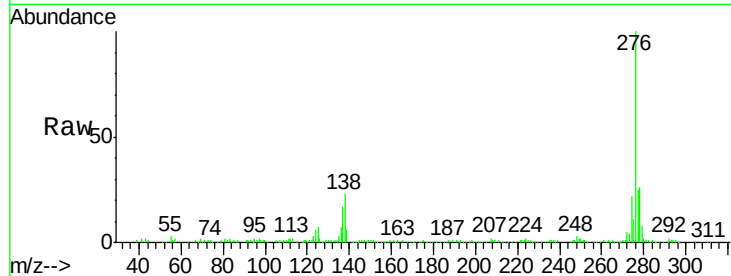
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.68 ng
RT: 16.82 min Scan# 1333
Delta R.T. 0.03 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Instrument :
BNA_F
ClientSampled :
SS-5

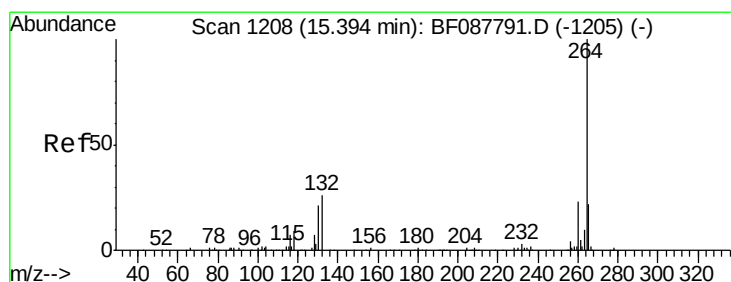
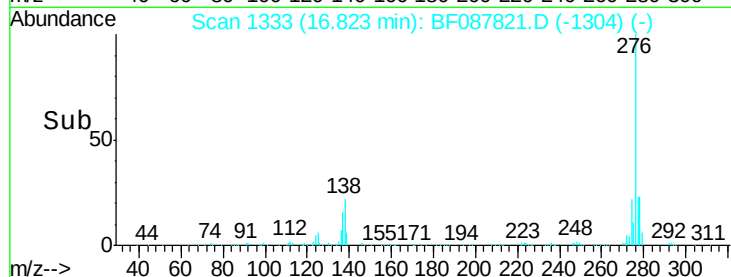
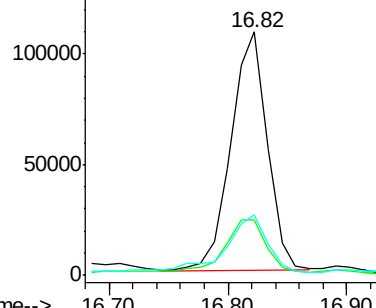
Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	25.7	0.0	0.0#
277	29.3	0.0	0.0#

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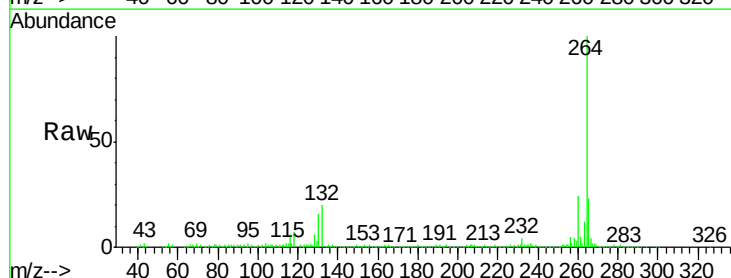


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

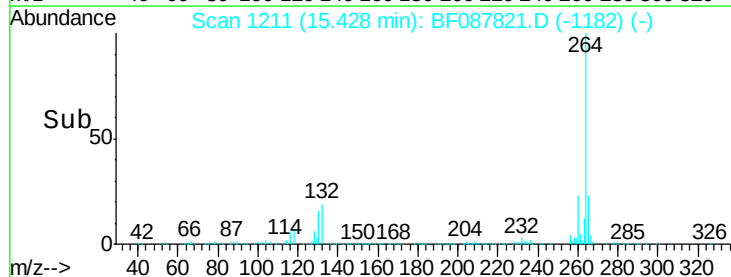
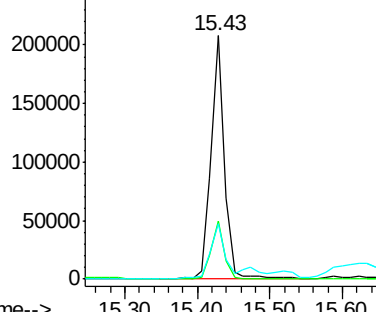


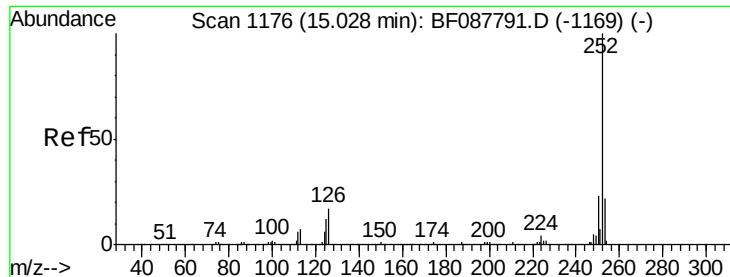
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1211
Delta R.T. 0.03 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.8	16.9	25.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





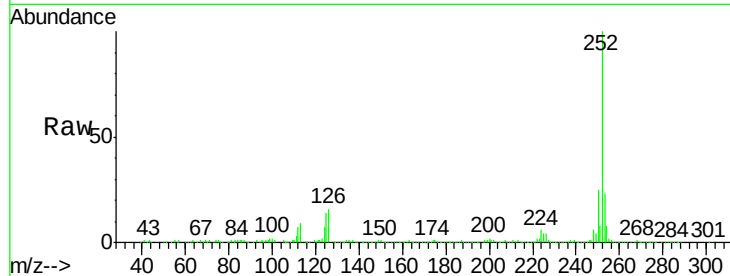
#87
Benzo(b)fluoranthene
Concen: 25.86 ng m
RT: 15.02 min Scan# 1175
Delta R.T. 0.02 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Instrument :
BNA_F
ClientSampleId :
SS-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	14.4	7.1	10.7

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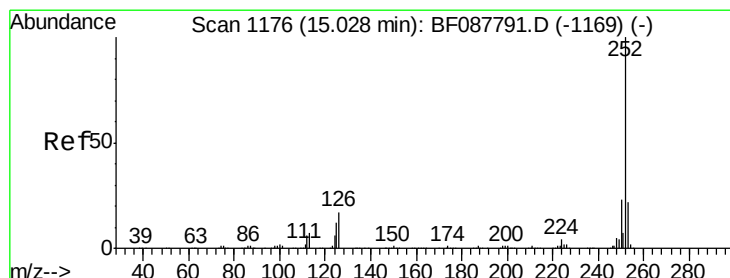
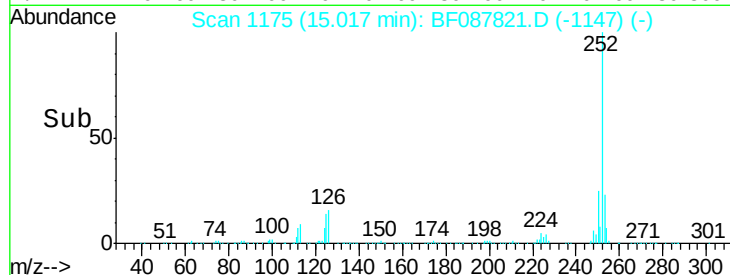
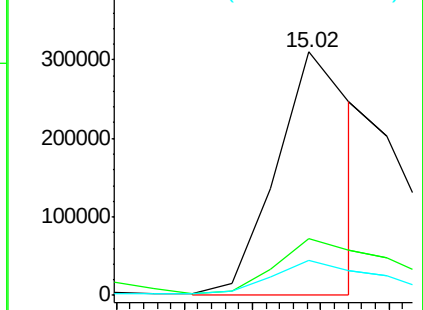


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 14.91 ng m
RT: 15.03 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

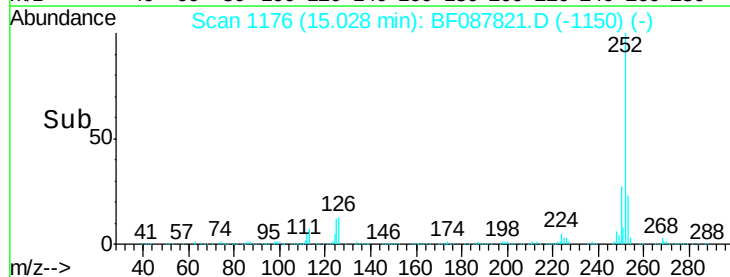
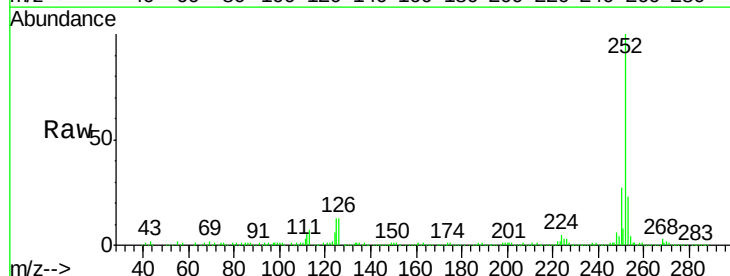
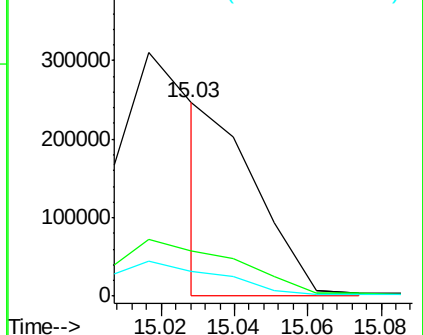
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	13.0	11.2	16.8

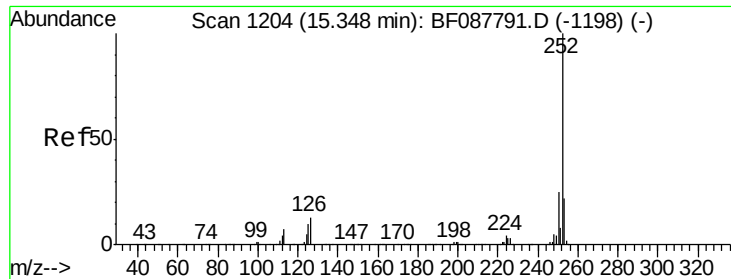
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





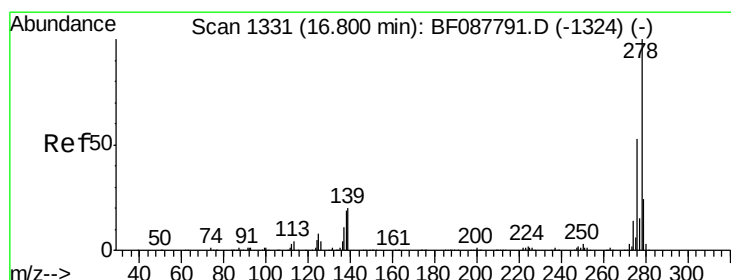
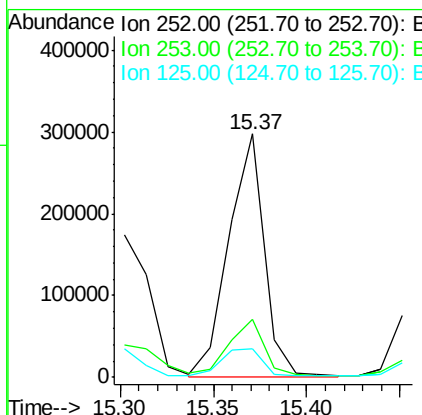
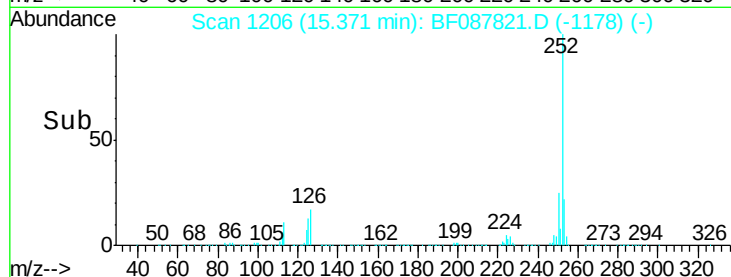
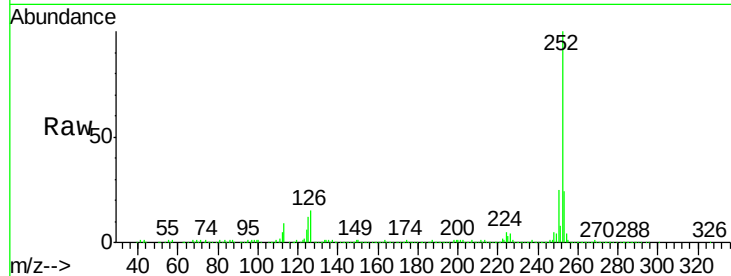
#89
Benzo(a)pyrene
Concen: 25.98 ng
RT: 15.37 min Scan# 1206
Delta R.T. 0.02 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Instrument :
BNA_F
ClientSampleId :
SS-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	11.6	12.5	18.7#

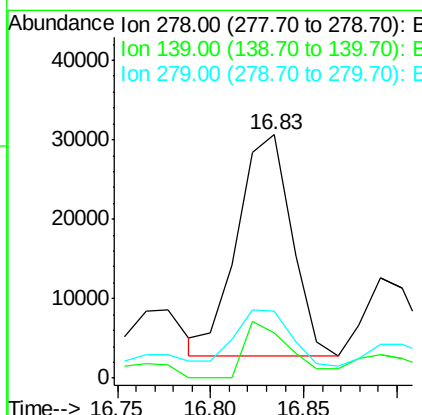
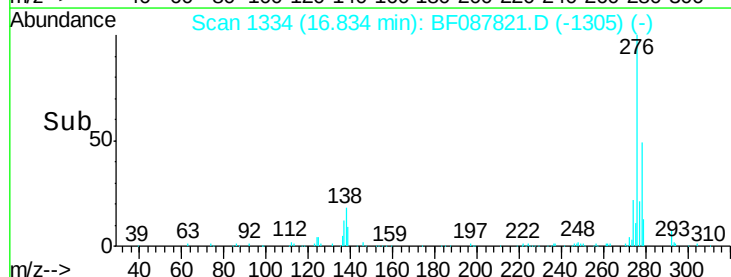
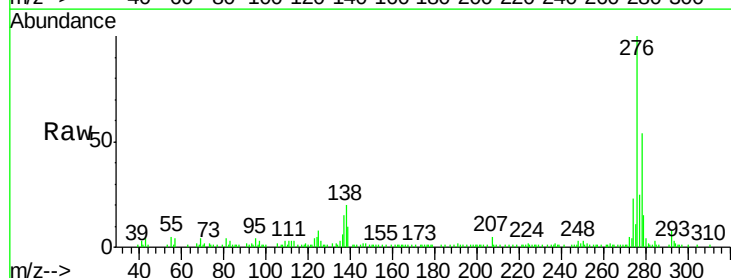
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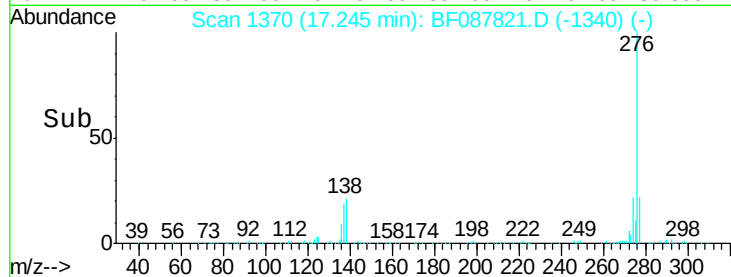
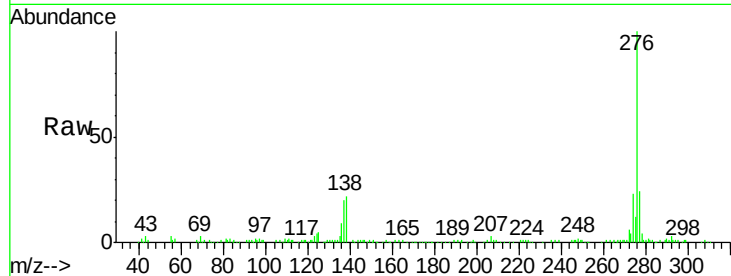
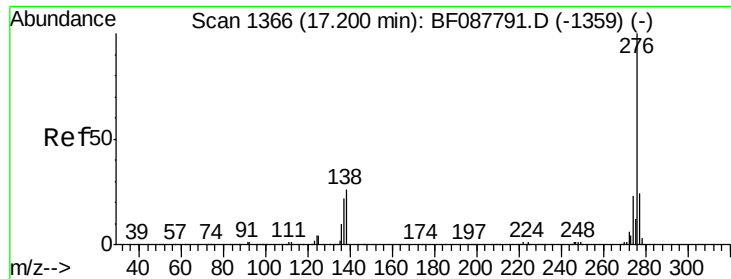
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#90
Dibenzo(a,h)anthracene
Concen: 4.00 ng
RT: 16.83 min Scan# 1334
Delta R.T. 0.03 min
Lab File: BF087821.D
Acq: 8 Jun 2016 20:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.8	15.7	23.5
279	27.7	19.4	29.2





#91
 Benzo(a,h,i)perylene
 Concen: 14.65 ng
 RT: 17.25 min Scan# 1370
 Delta R.T. 0.05 min
 Lab File: BF087821.D
 Acq: 8 Jun 2016 20:48

Instrument :
 BNA_F
 ClientSampleId :
 SS-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.9	28.3
138	22.0	21.4	32.2

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