

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
 Data File : BF087829.D
 Acq On : 9 Jun 2016 00:44
 Operator : UM/SJ
 Sample : H3399-17 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-36

Manual Integrations
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Quant Time: Jun 09 05:19:27 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	104596	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	441249	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	147881	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	225038	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	200307	20.00	ng	0.00
86) Perylene-d12	15.42	264	156161	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	329599	53.87	ng	-0.01
7) Phenol-d6	6.46	99	451681	60.91	ng	-0.02
23) Nitrobenzene-d5	7.38	82	228662	30.26	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	66923	42.86	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	430034	42.94	ng	-0.02
78) Terphenyl-d14	12.94	244	261452	29.70	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.59	163	32516	3.04	ng	100
70) Phenanthrene	11.38	178	231296	19.59	ng	97
71) Anthracene	11.43	178	49865	4.19	ng	97
72) Carbazole	11.59	167	29089	2.61	ng	98
74) Fluoranthene	12.56	202	327373	26.27	ng	96
77) Pyrene	12.79	202	280749	18.89	ng	98
80) Benzo(a)anthracene	13.98	228	160963	14.10	ng	99
82) Chrysene	14.01	228	115596	10.76	ng	97
85) Indeno(1,2,3-cd)pyrene	16.80	276	49874	5.00	ng	# 100
87) Benzo(b)fluoranthene	15.01	252	129509m	11.90	ng	
88) Benzo(k)fluoranthene	15.02	252	53426m	6.51	ng	
89) Benzo(a)pyrene	15.35	252	89537	10.17	ng	99
91) Benzo(a,h,i)perylene	17.21	276	49920	5.93	ng	98

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

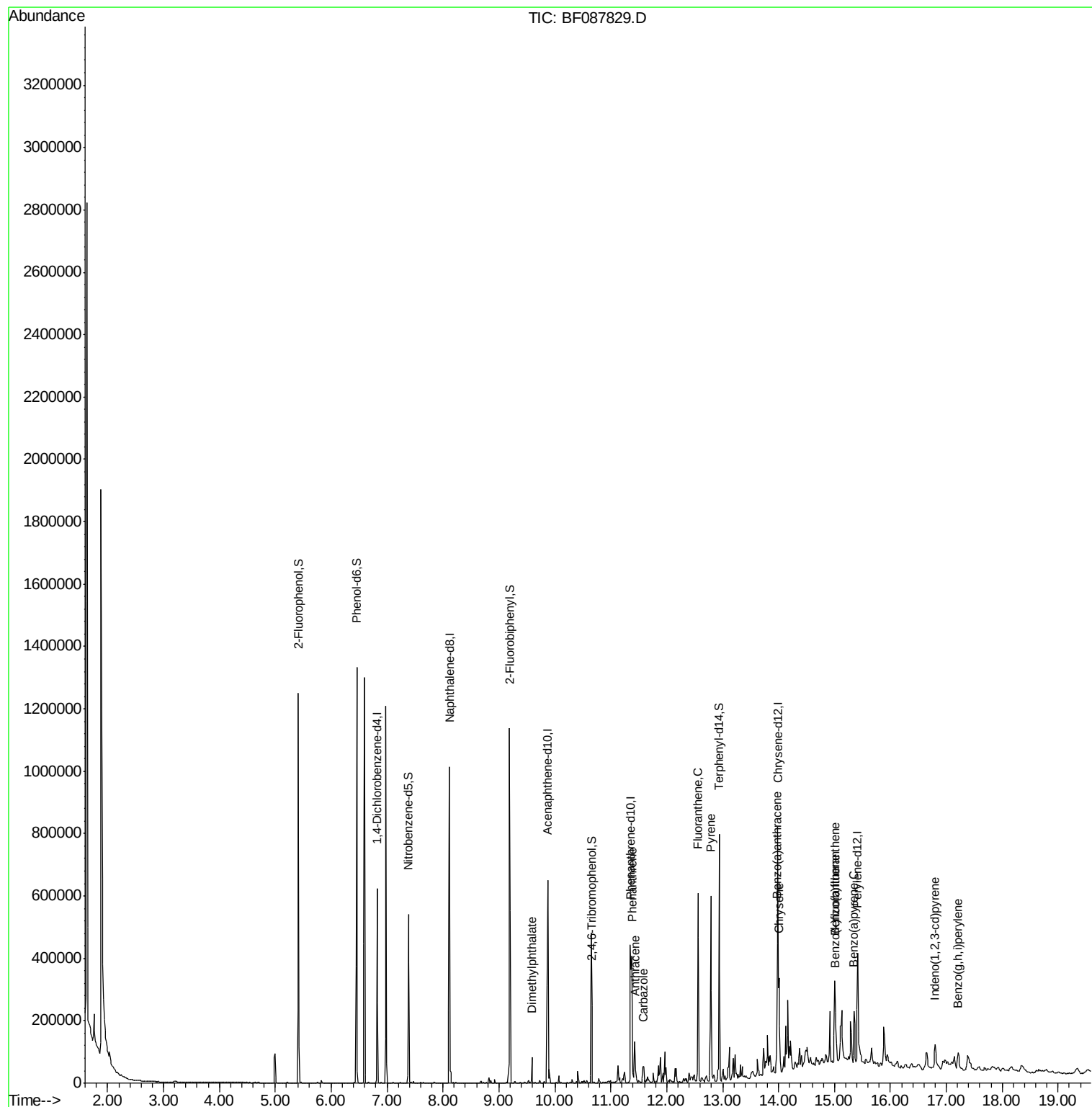
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
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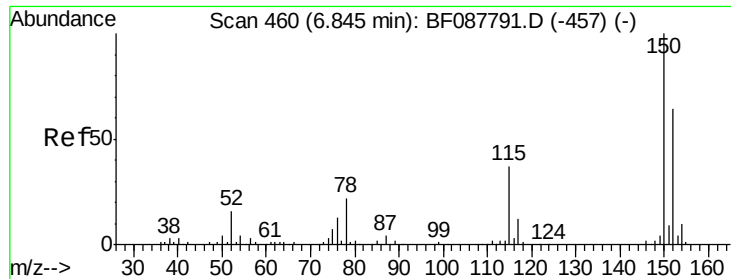
Instrument :
BNA_F
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

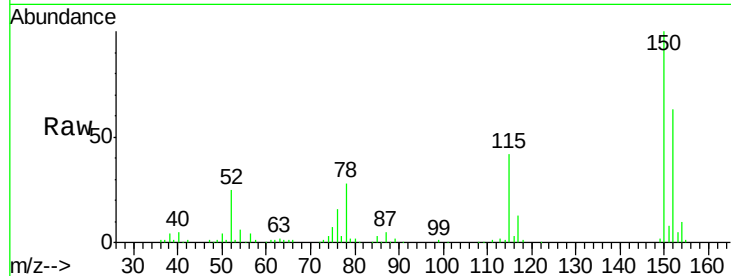
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Instrument :
BNA_F
ClientSampled :
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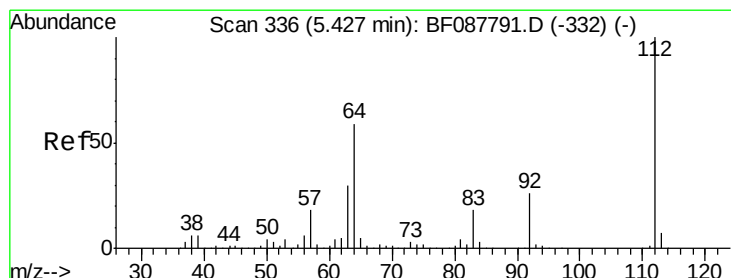
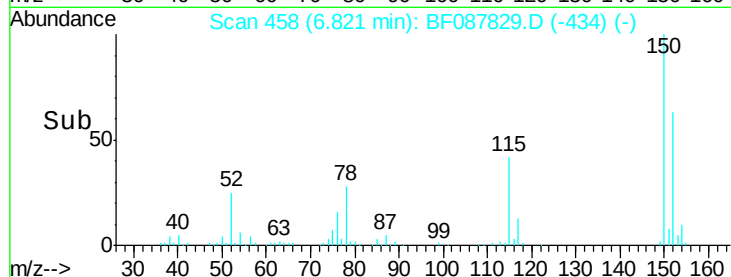
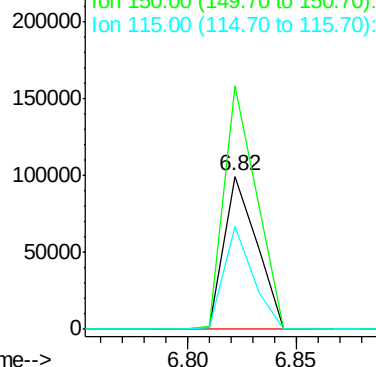
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	123.8	185.6
115	67.0	39.6	59.4

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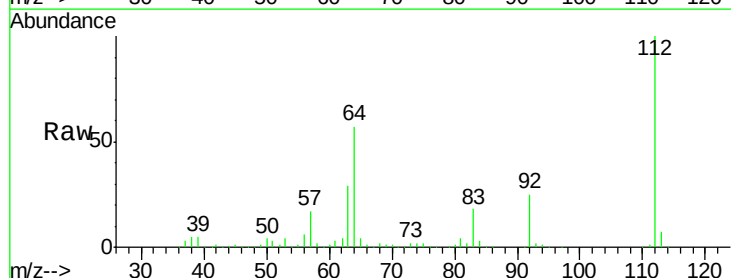
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



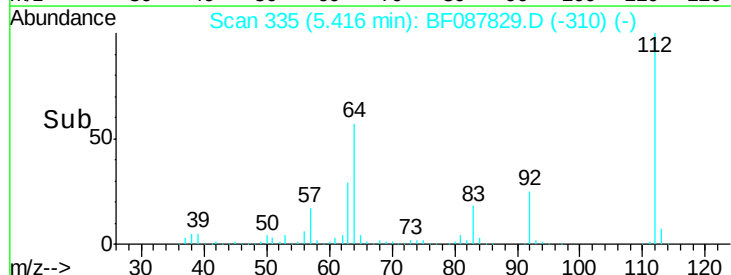
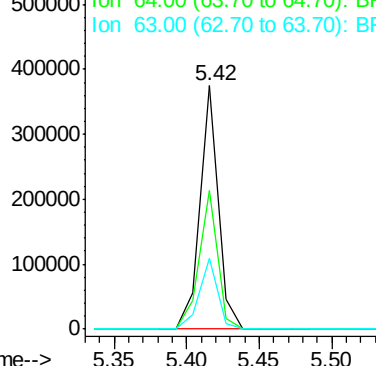
#5

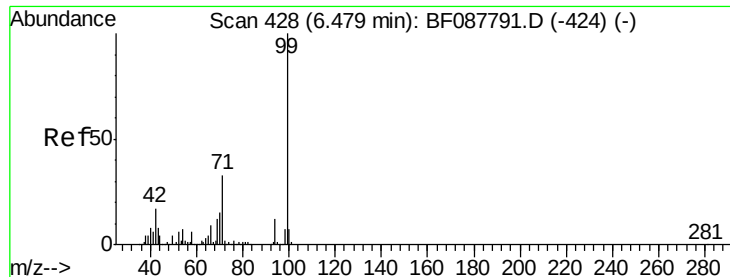
2-Fluorophenol
Concen: 53.87 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.01 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	42.2	63.2
63	29.0	21.8	32.8



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: 60.91 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

Instrument :

BNA_F

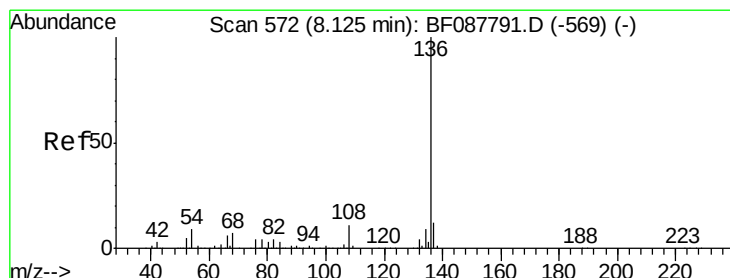
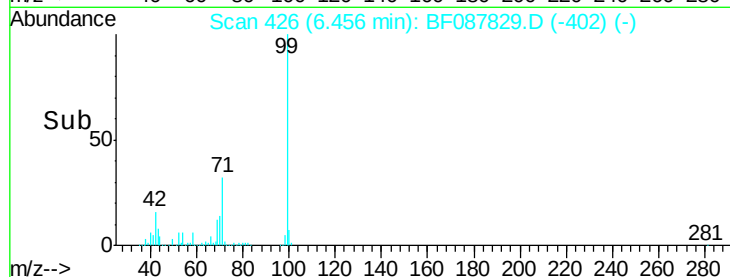
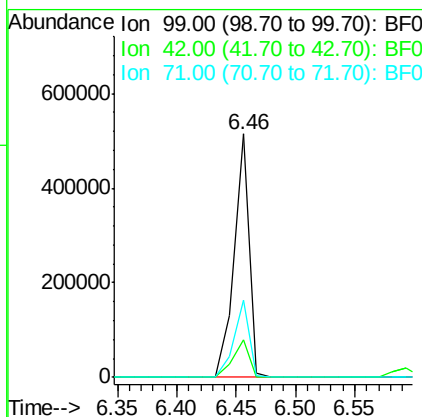
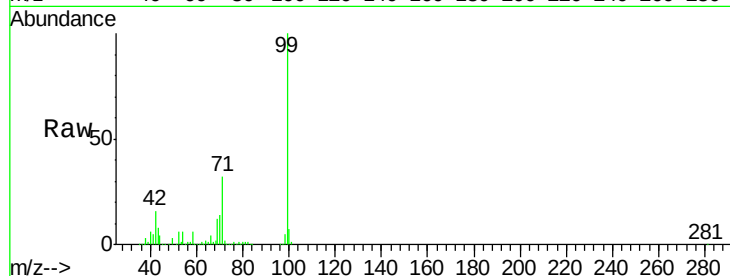
ClientSampleId :

SS-36

Tot Ion:	99	Resp:	451681
Ion Ratio	Lower	Upper	
99	100		
42	15.7	12.2	18.2
71	31.5	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

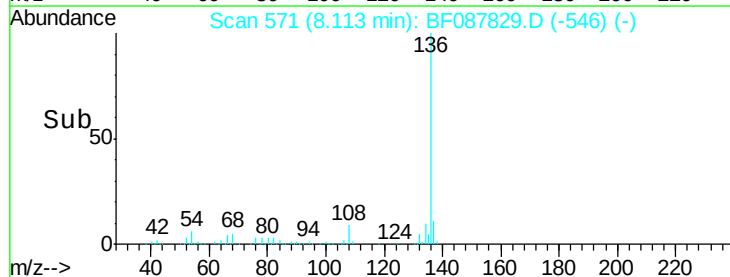
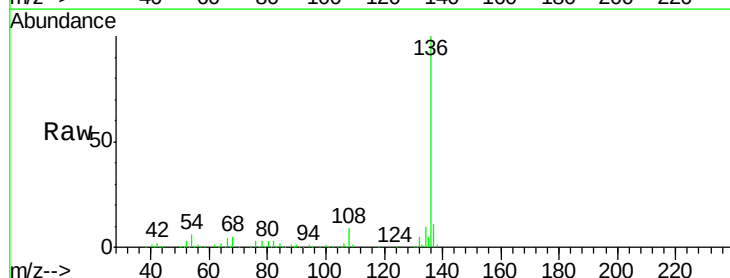
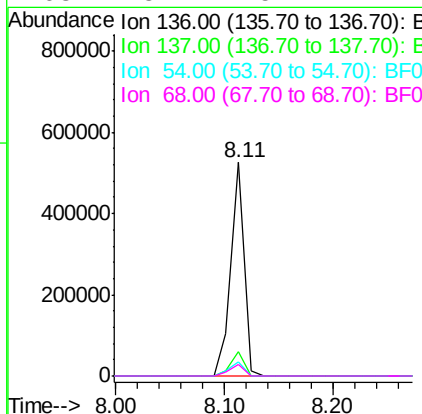
RT: 8.11 min Scan# 571

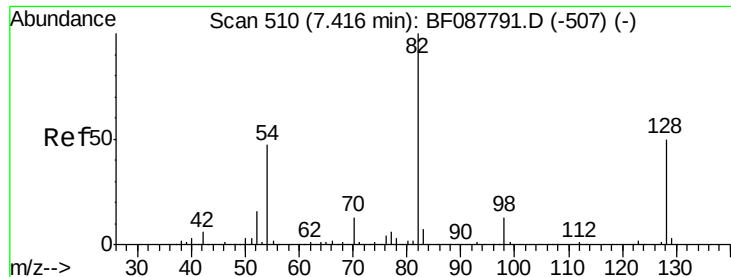
Delta R.T. -0.01 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

Tgt Ion:	136	Resp:	441249
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	6.5	6.6	10.0#
68	5.4	5.1	7.7





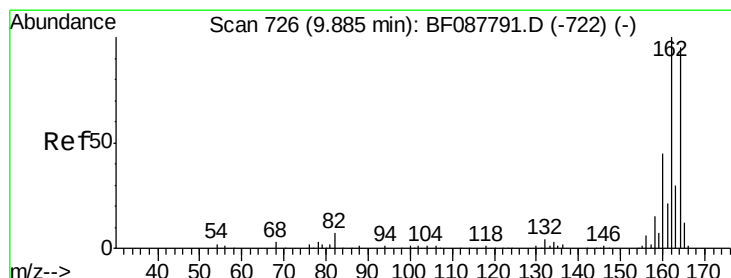
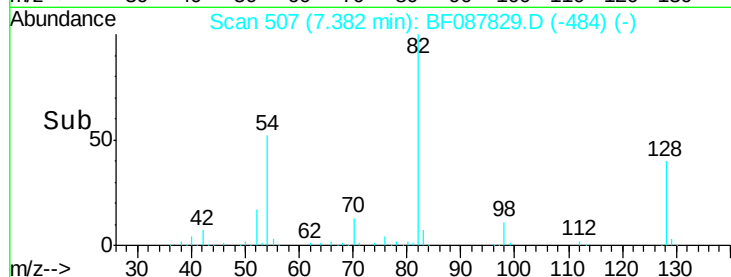
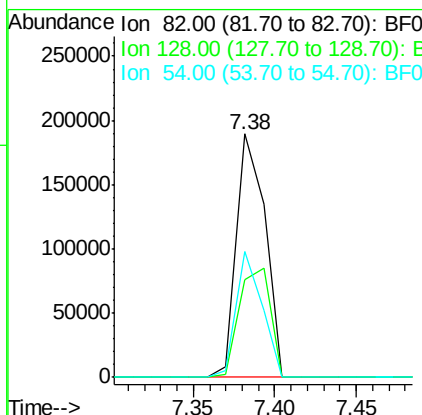
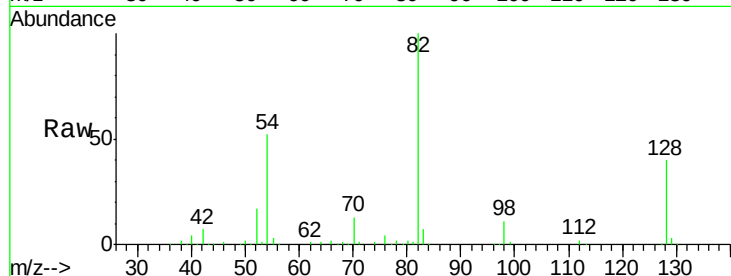
#23
Nitrobenzene-d5
Concen: 30.26 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Instrument :
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ClientSampled :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	40.2	35.9	53.9
54	51.6	40.9	61.3

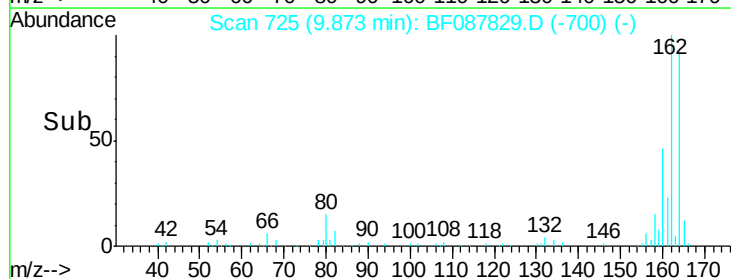
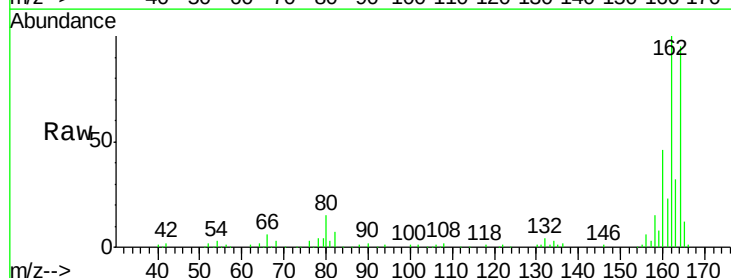
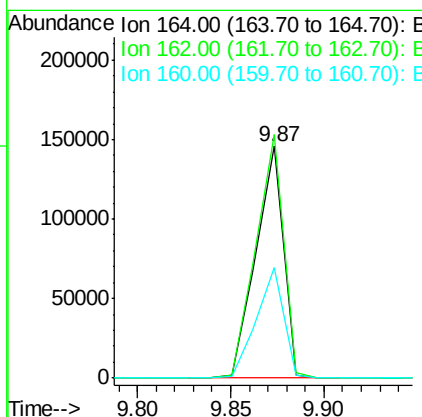
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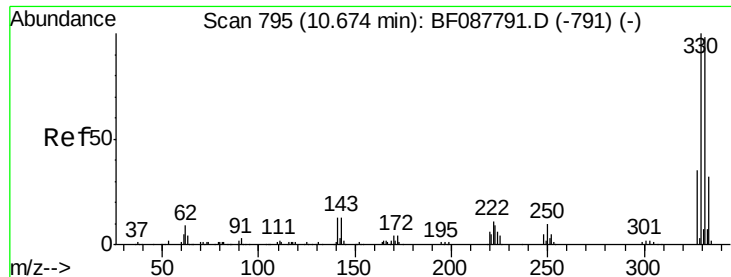
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	85.4	128.2
160	47.8	39.5	59.3





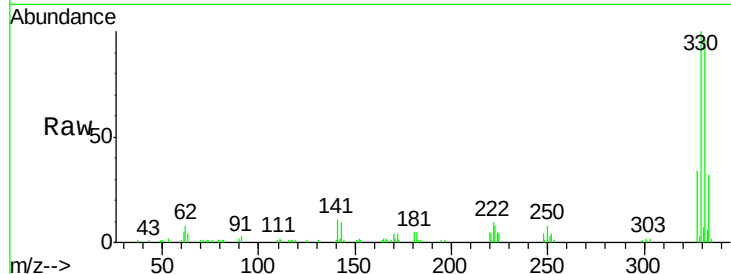
#41
 2,4,6-Tribromophenol
 Concen: 42.86 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087829.D
 Acq: 9 Jun 2016 00:44

Instrument :
 BNA_F
 ClientSampleId :
 SS-36

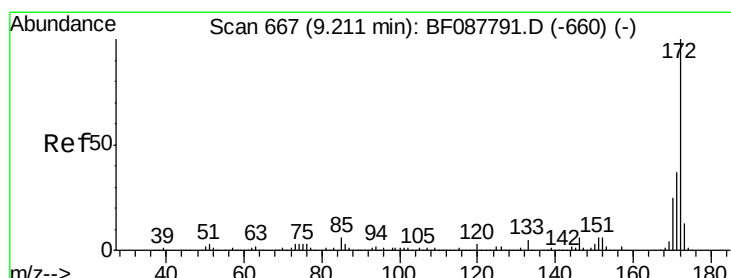
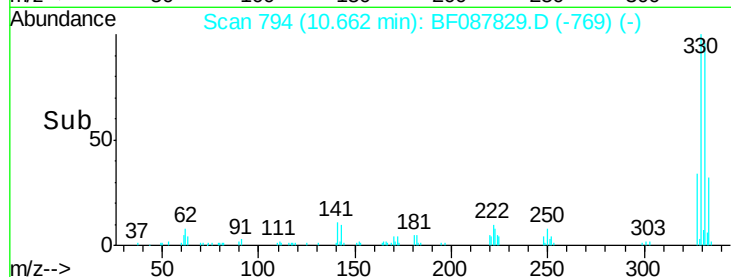
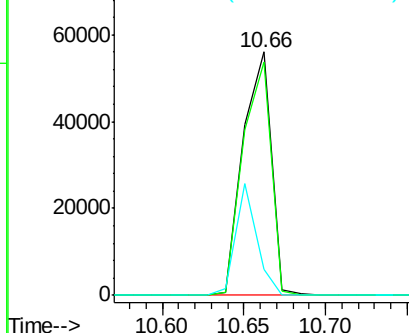
Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	95.8	0.0	0.0#
141	34.3	0.0	0.0#

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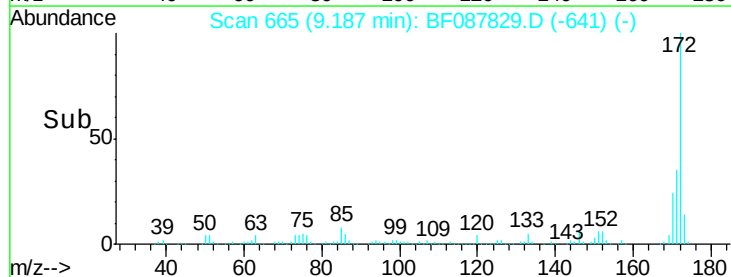
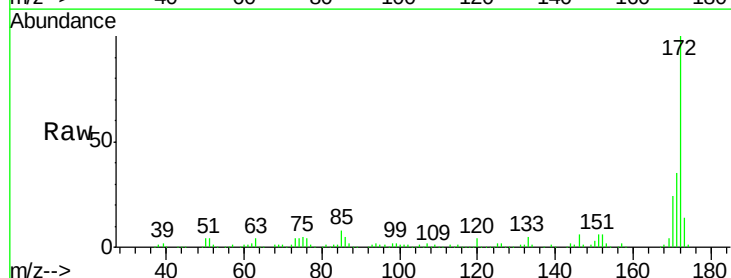
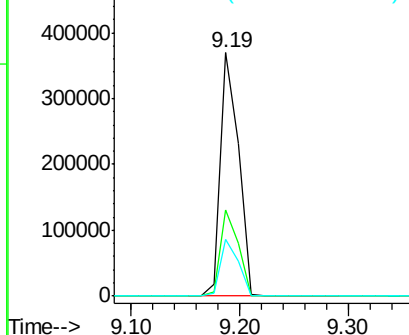
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

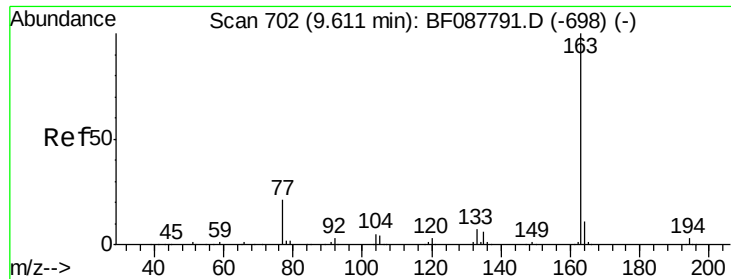


#44
 2-Fluorobiphenyl
 Concen: 42.94 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087829.D
 Acq: 9 Jun 2016 00:44

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.6	19.2	28.8

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





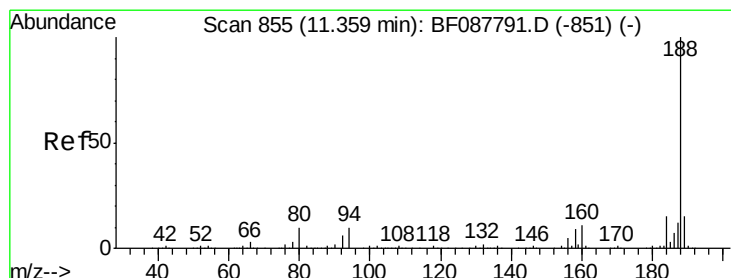
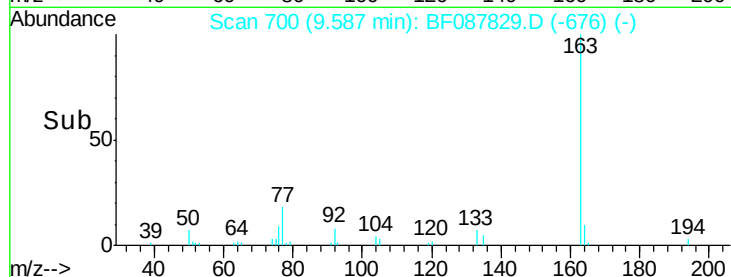
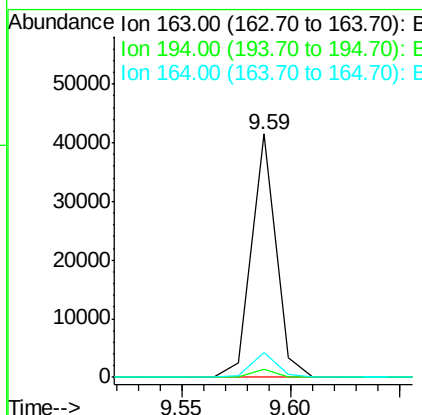
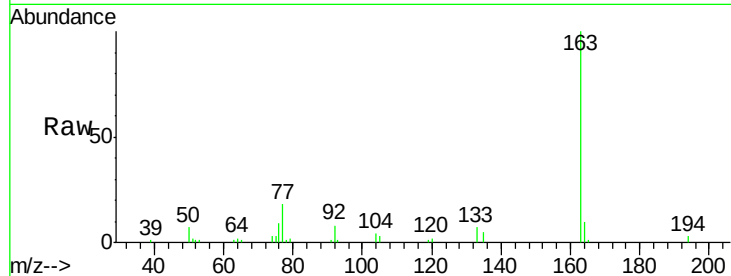
#49
Dimethylphthalate
Concen: 3.04 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.02 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Instrument :
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ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	32516		
194	3.4		2.8	4.2
164	10.2		8.3	12.5

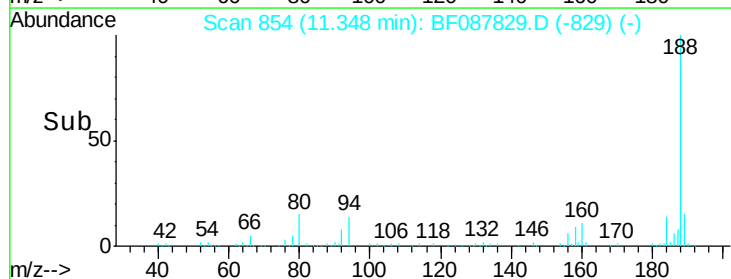
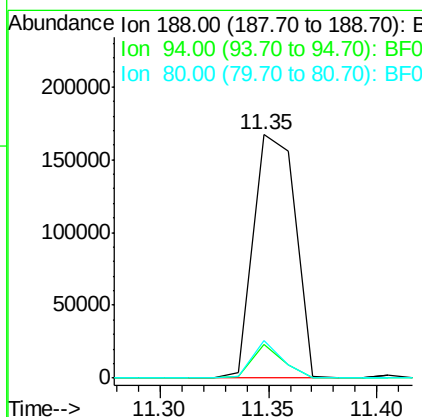
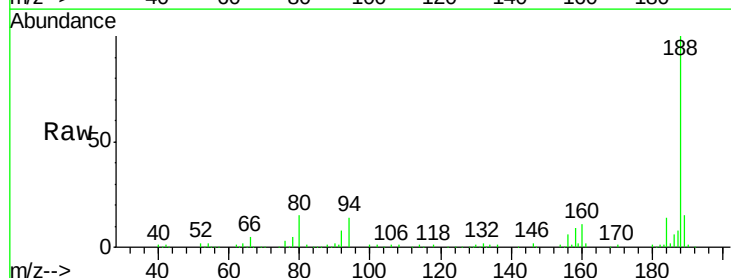
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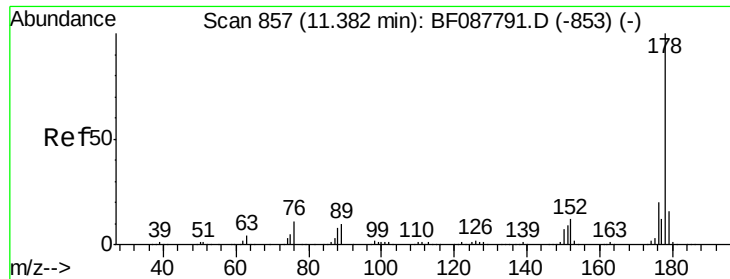
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	225038		
94	13.8		9.0	13.6#
80	15.3		10.0	15.0#





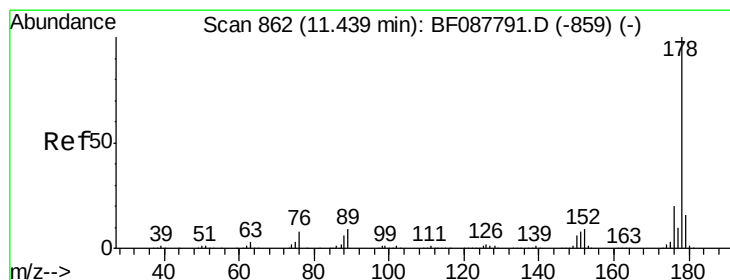
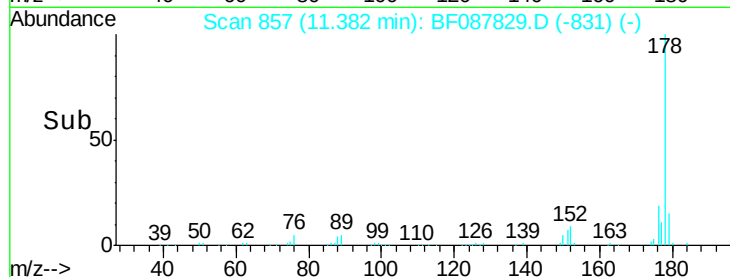
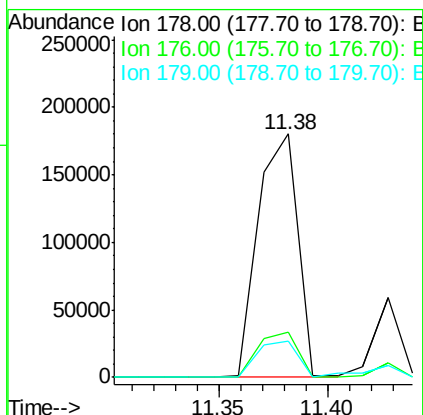
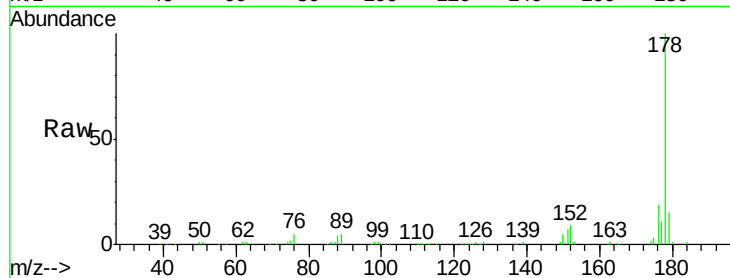
#70
Phenanthrene
Concen: 19.59 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Instrument :
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ClientSampled :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.6
179	14.7	13.0	19.4

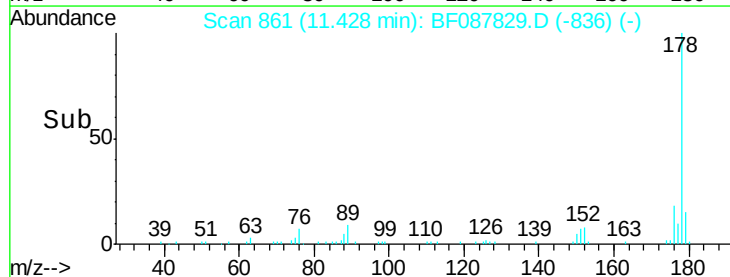
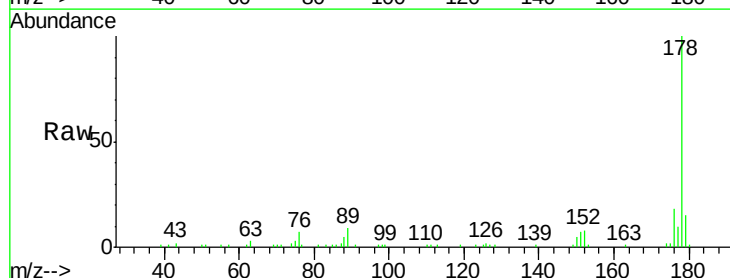
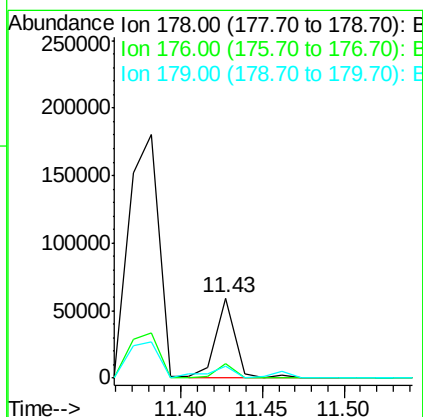
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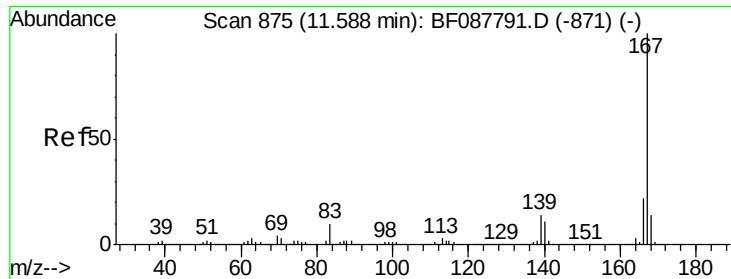
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#71
Anthracene
Concen: 4.19 ng
RT: 11.43 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.6	23.4
179	15.4	12.8	19.2





#72

Carbazole

Concen: 2.61 ng

RT: 11.59 min Scan# 875

Delta R.T. -0.00 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

Instrument :

BNA_F

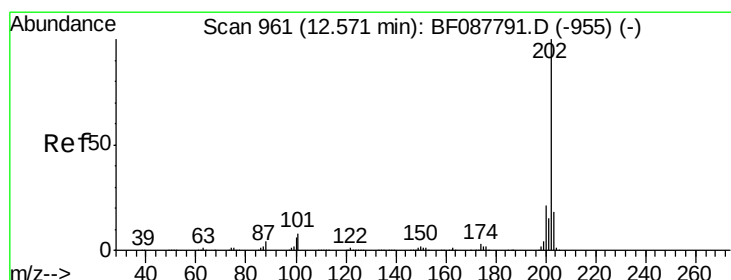
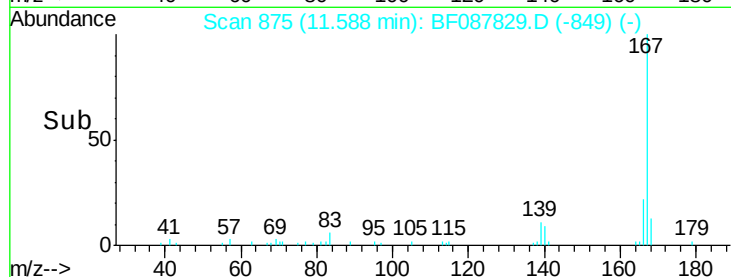
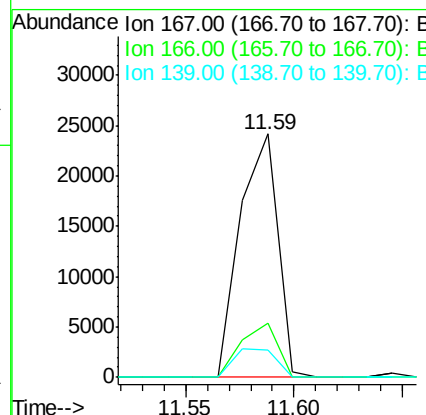
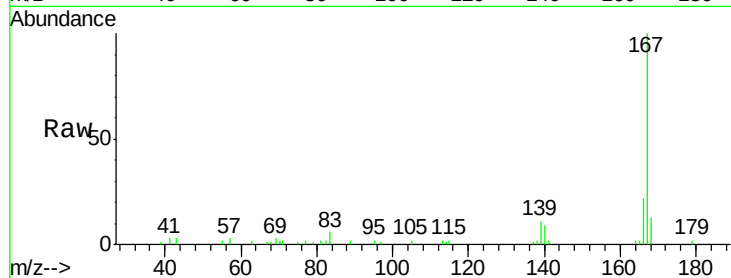
ClientSampleId :

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Tot Ion:	167	Resp:	29089
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.8	26.6
139	11.4	11.2	16.8

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#74

Fluoranthene

Concen: 26.27 ng

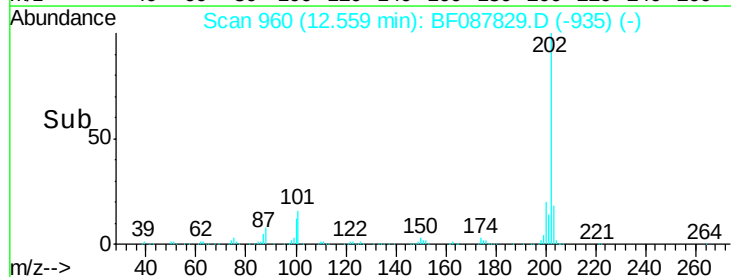
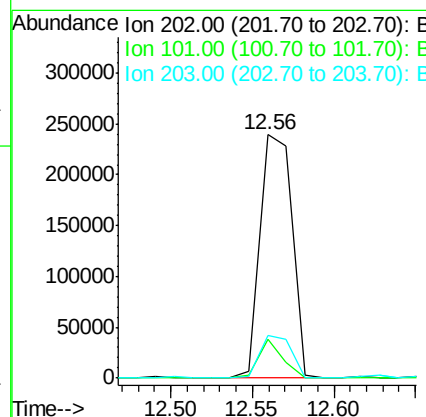
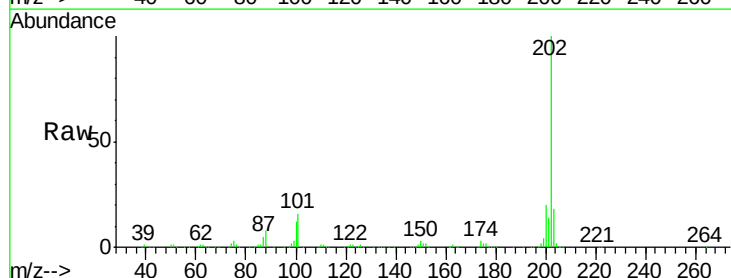
RT: 12.56 min Scan# 960

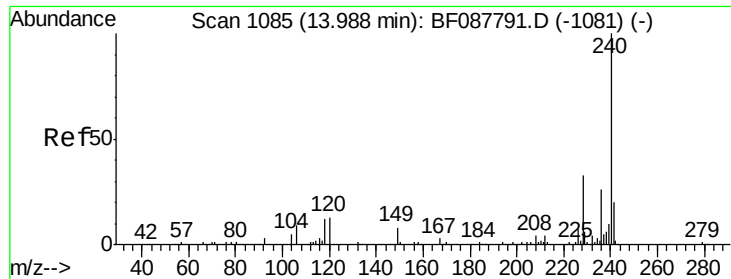
Delta R.T. -0.01 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

Tgt Ion:	202	Resp:	327373
Ion Ratio	Lower	Upper	
202	100		
101	16.1	0.0	33.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

Instrument :

BNA_F

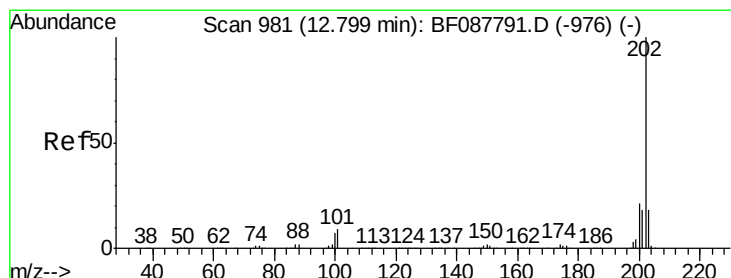
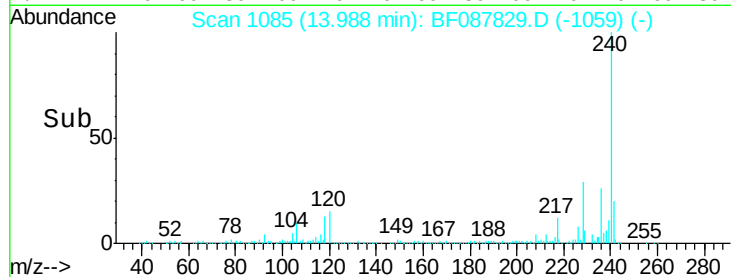
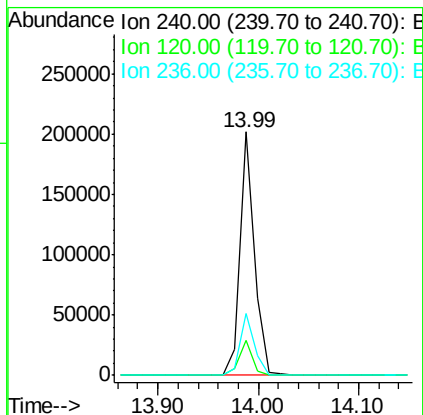
ClientSampled :

SS-36

Tot Ion:	240	Resp:	200307
Ion Ratio	Lower	Upper	
240	100		
120	14.5	6.8	10.2#
236	25.6	20.2	30.2

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#77

Pyrene

Concen: 18.89 ng

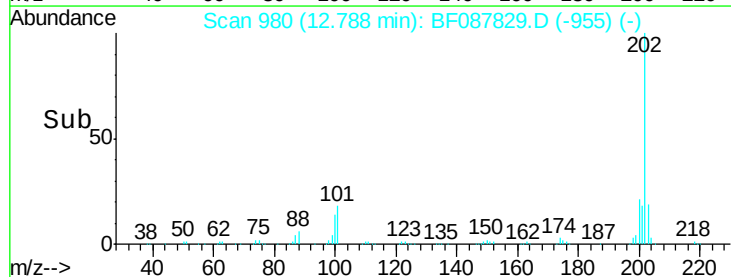
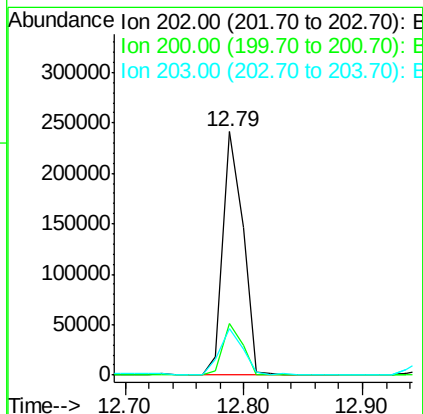
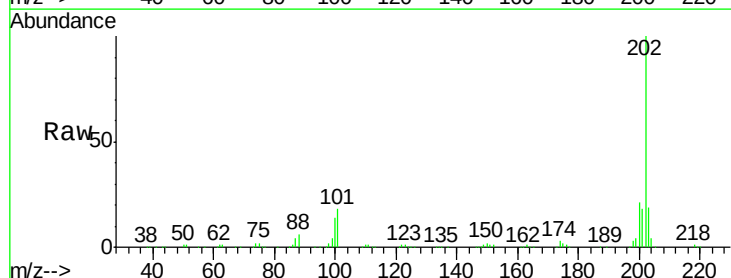
RT: 12.79 min Scan# 980

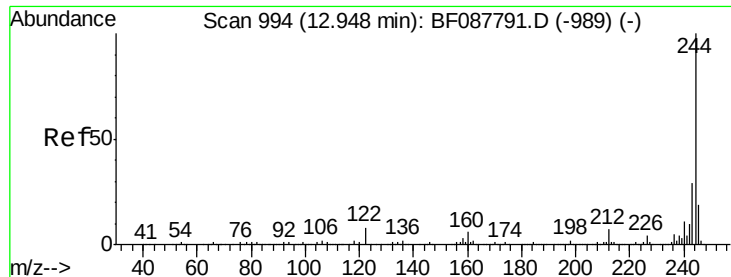
Delta R.T. -0.01 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

Tgt Ion:	202	Resp:	280749
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	19.3	14.5	21.7





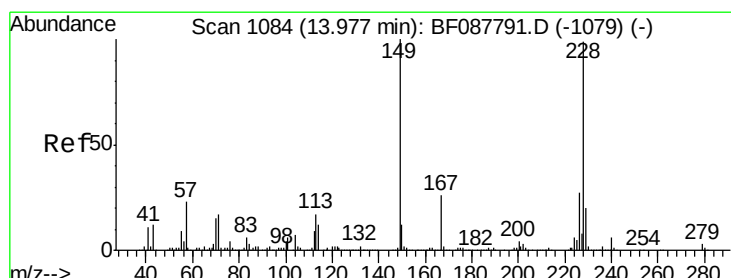
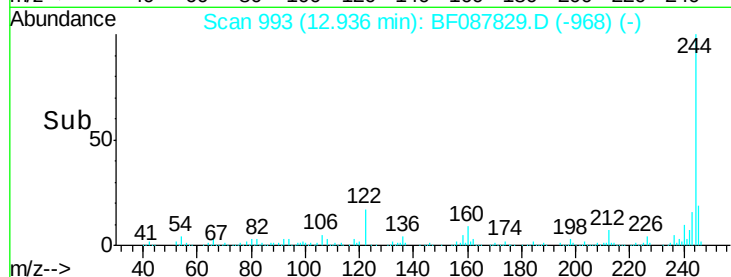
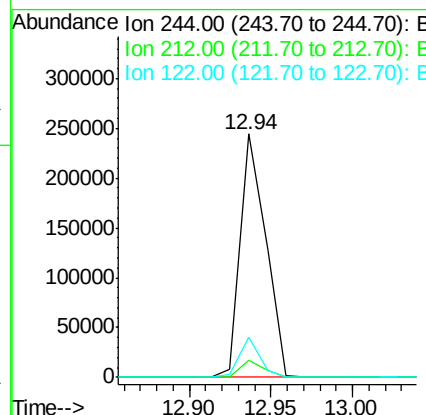
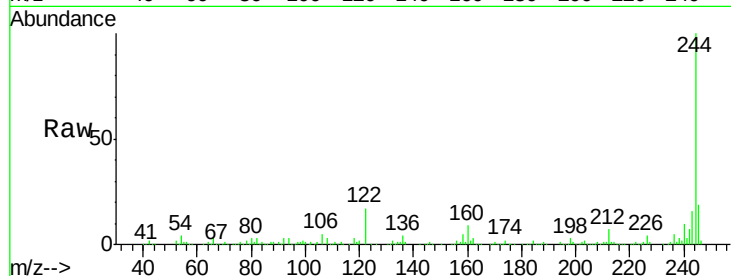
#78
 Terphenyl-d14
 Concen: 29.70 ng
 RT: 12.94 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF087829.D
 Acq: 9 Jun 2016 00:44

Instrument :
 BNA_F
 ClientSampleId :
 SS-36

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	16.5	11.2	16.8

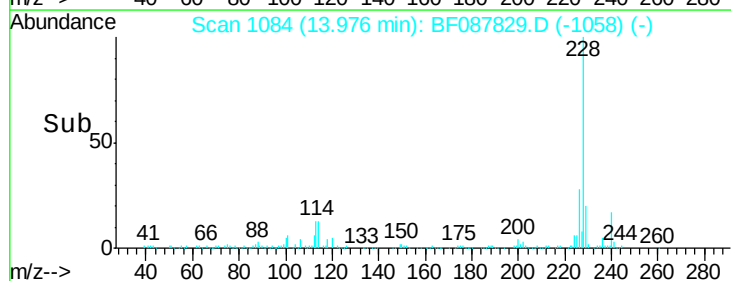
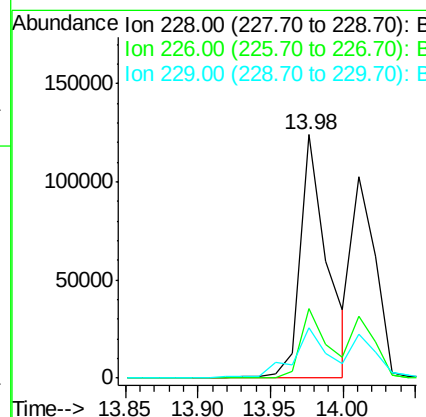
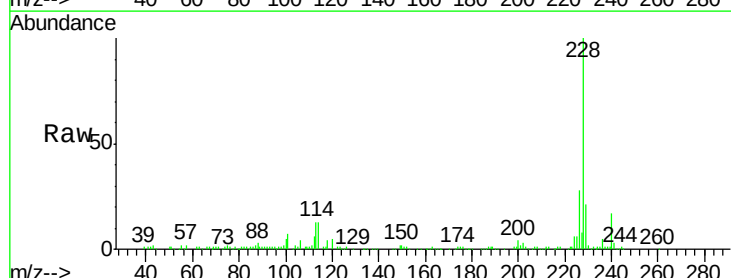
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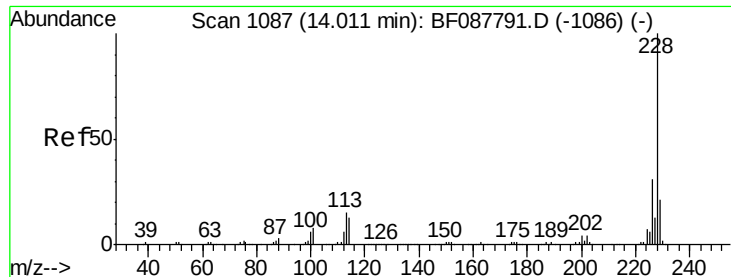
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#80
 Benzo(a)anthracene
 Concen: 14.10 ng
 RT: 13.98 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: BF087829.D
 Acq: 9 Jun 2016 00:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.3	33.5
229	20.8	16.0	24.0





#82

Chrysene

Concen: 10.76 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

Instrument :

BNA_F

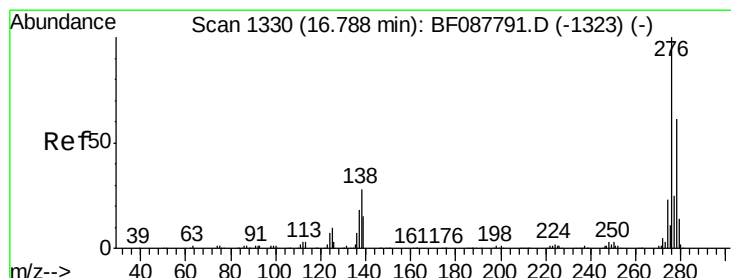
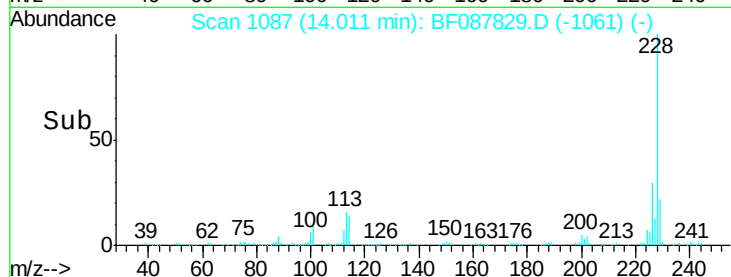
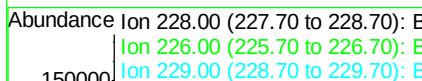
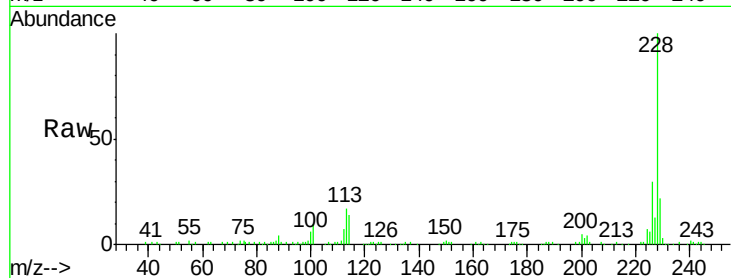
ClientSampled :

SS-36

Tot Ion:	228	Resp:	115596
Ion Ratio		Lower	Upper
228	100		
226	30.5	25.4	38.2
229	22.0	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.00 ng

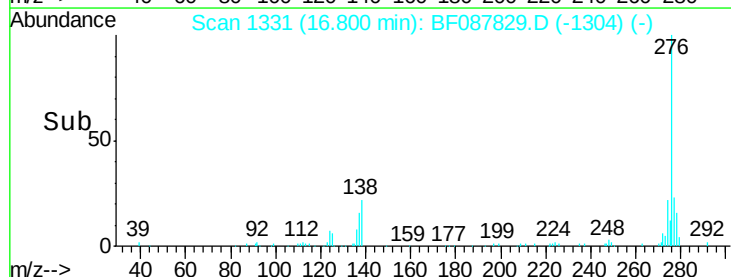
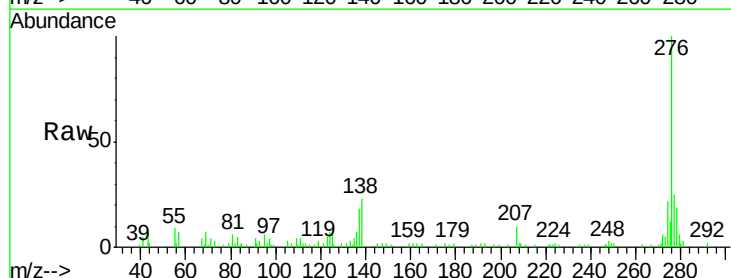
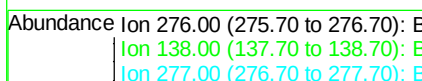
RT: 16.80 min Scan# 1331

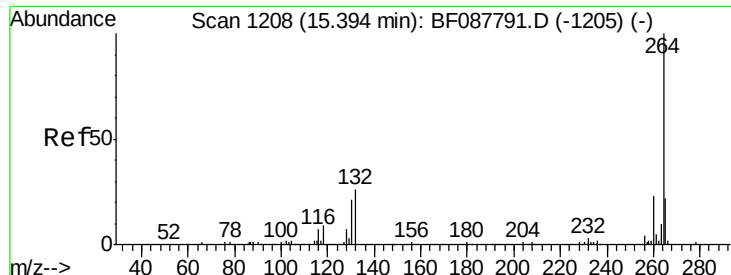
Delta R.T. 0.01 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

Tgt Ion:	276	Resp:	49874
Ion Ratio		Lower	Upper
276	100		
138	27.1	0.0	0.0#
277	28.5	0.0	0.0#





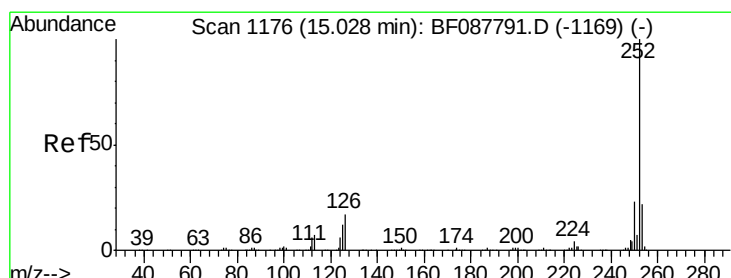
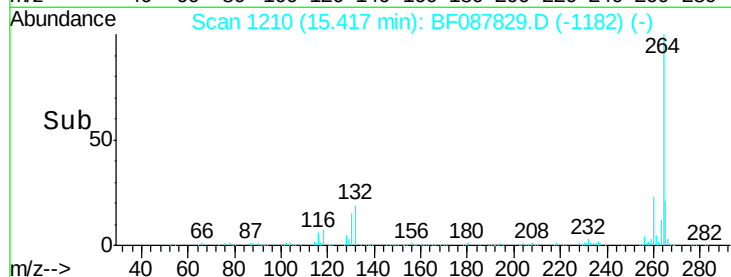
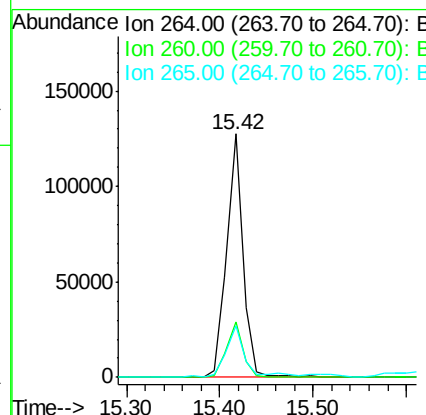
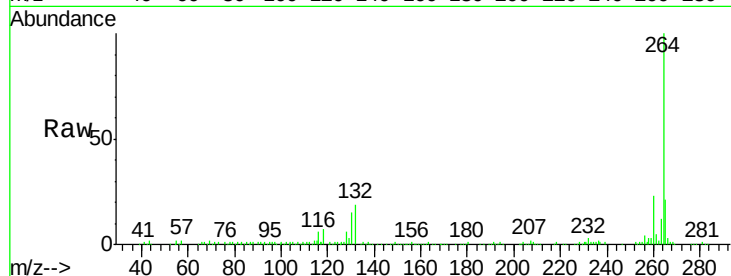
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Instrument :
BNA_F
ClientSampleId :
SS-36

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.2	16.9	25.3

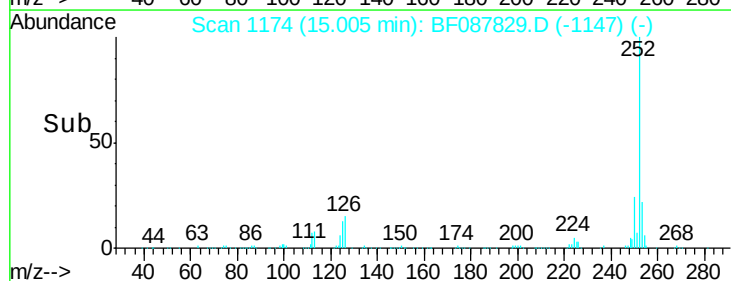
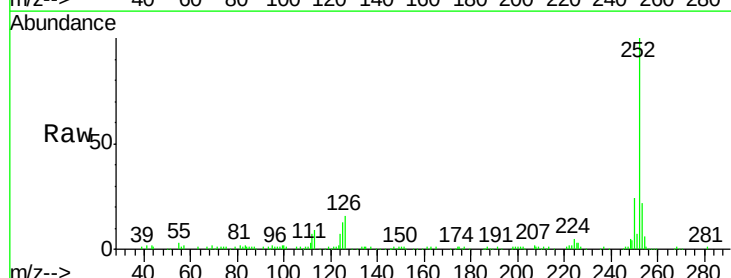
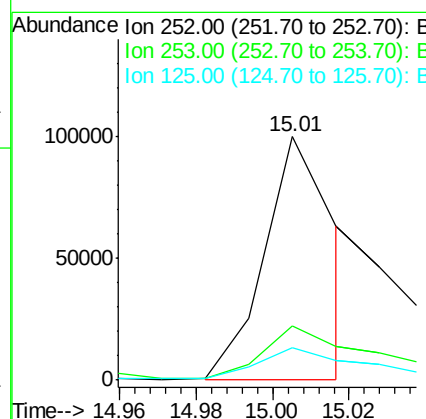
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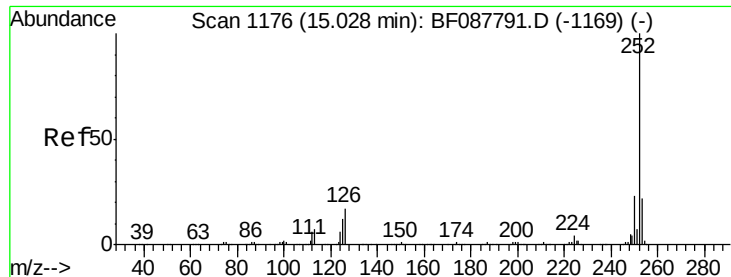
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#87
Benzo(b)fluoranthene
Concen: 11.90 ng m
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	13.3	7.1	10.7#





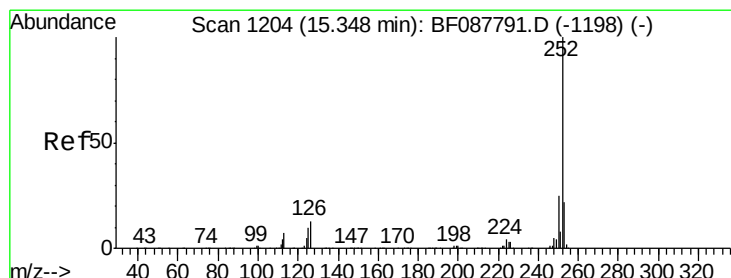
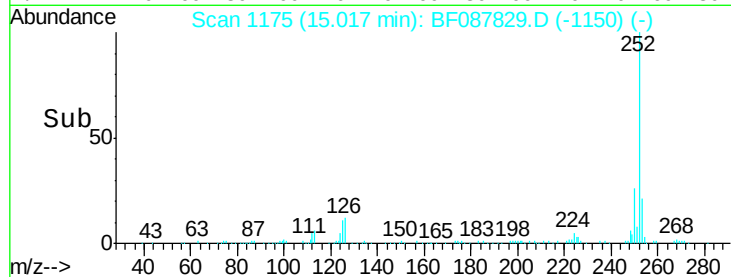
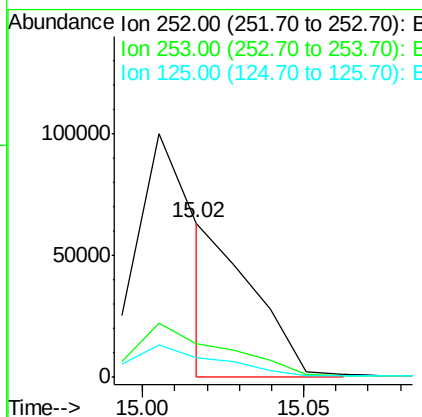
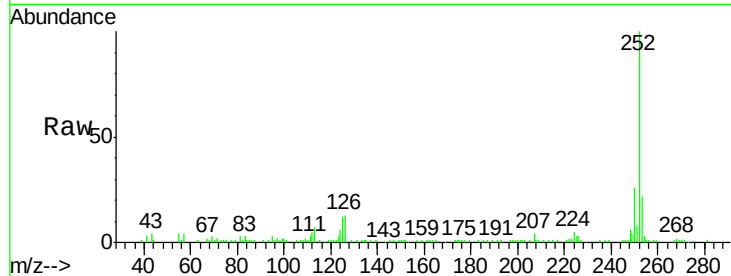
#88
Benzo(k)fluoranthene
Concen: 6.51 ng m
RT: 15.02 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Instrument :
BNA_F
ClientSampleId :
SS-36

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	12.4	11.2	16.8

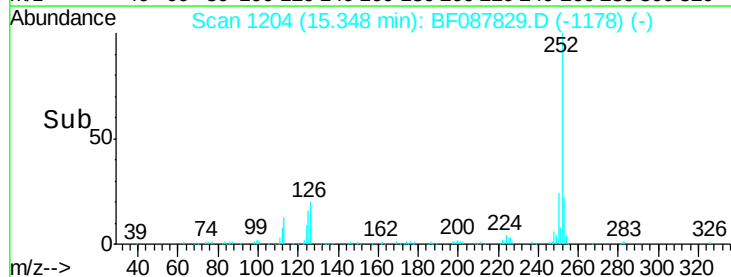
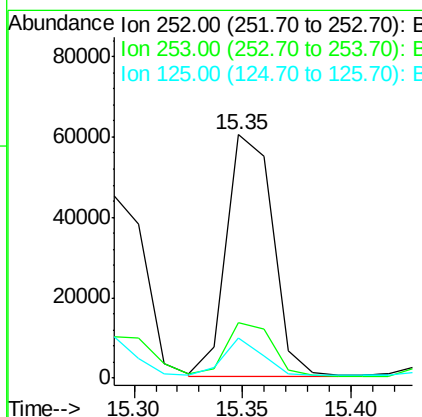
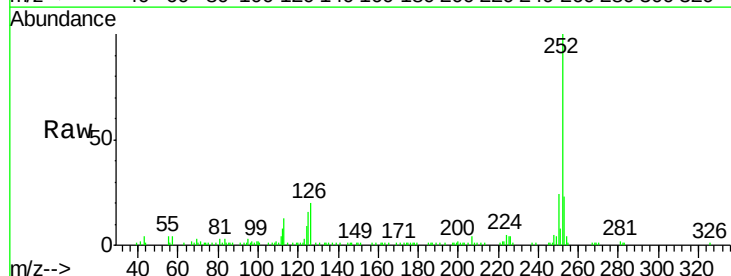
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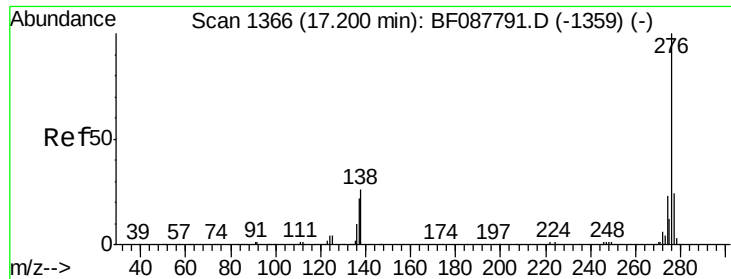
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#89
Benzo(a)pyrene
Concen: 10.17 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	16.4	12.5	18.7





#91
 Benzo(a,h,i)perylene
 Concen: 5.93 ng
 RT: 17.21 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: BF087829.D
 Acq: 9 Jun 2016 00:44

Instrument :
 BNA_F
 ClientSampleId :
 SS-36

Tot Ion:	276	Resp:	49920
Ion Ratio		Lower	Upper
276	100		
277	25.0	18.9	28.3
138	25.9	21.4	32.2

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