

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088334.D
 Acq On : 24 Jun 2016 16:27
 Operator : UM/SJ
 Sample : H3683-09DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMPDL

Manual Integrations
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Quant Time: Jun 24 18:00:14 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	77218m	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	312359	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	147492	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	277294	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	170353	20.00	ng	-0.02
86) Perylene-d12	15.09	264	168411	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	66888	14.81	ng	0.01
7) Phenol-d6	6.25	99	99337	18.15	ng	-0.01
23) Nitrobenzene-d5	7.16	82	50235	9.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	19820	12.73	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	122960	8.09	ng	-0.02
78) Terphenyl-d14	12.67	244	102369	13.67	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	9.48	152	66216	4.36	ng	98
70) Phenanthrene	11.12	178	60420	4.15	ng	98
71) Anthracene	11.17	178	109091	7.43	ng	97
74) Fluoranthene	12.30	202	635898	41.41	ng	98
77) Pyrene	12.53	202	586228	46.37	ng	100
80) Benzo(a)anthracene	13.71	228	440791	45.41	ng	# 79
82) Chrysene	13.75	228	209448m	22.93	ng	
85) Indeno(1,2,3-cd)pyrene	16.33	276	181201	21.35	ng	# 100
87) Benzo(b)fluoranthene	14.72	252	403346m	34.36	ng	
88) Benzo(k)fluoranthene	14.73	252	116236m	13.13	ng	
89) Benzo(a)pyrene	15.03	252	303780m	31.99	ng	
90) Dibenzo(a,h)anthracene	16.33	278	44476m	5.04	ng	
91) Benzo(g,h,i)perylene	16.70	276	151516	16.70	ng	97

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

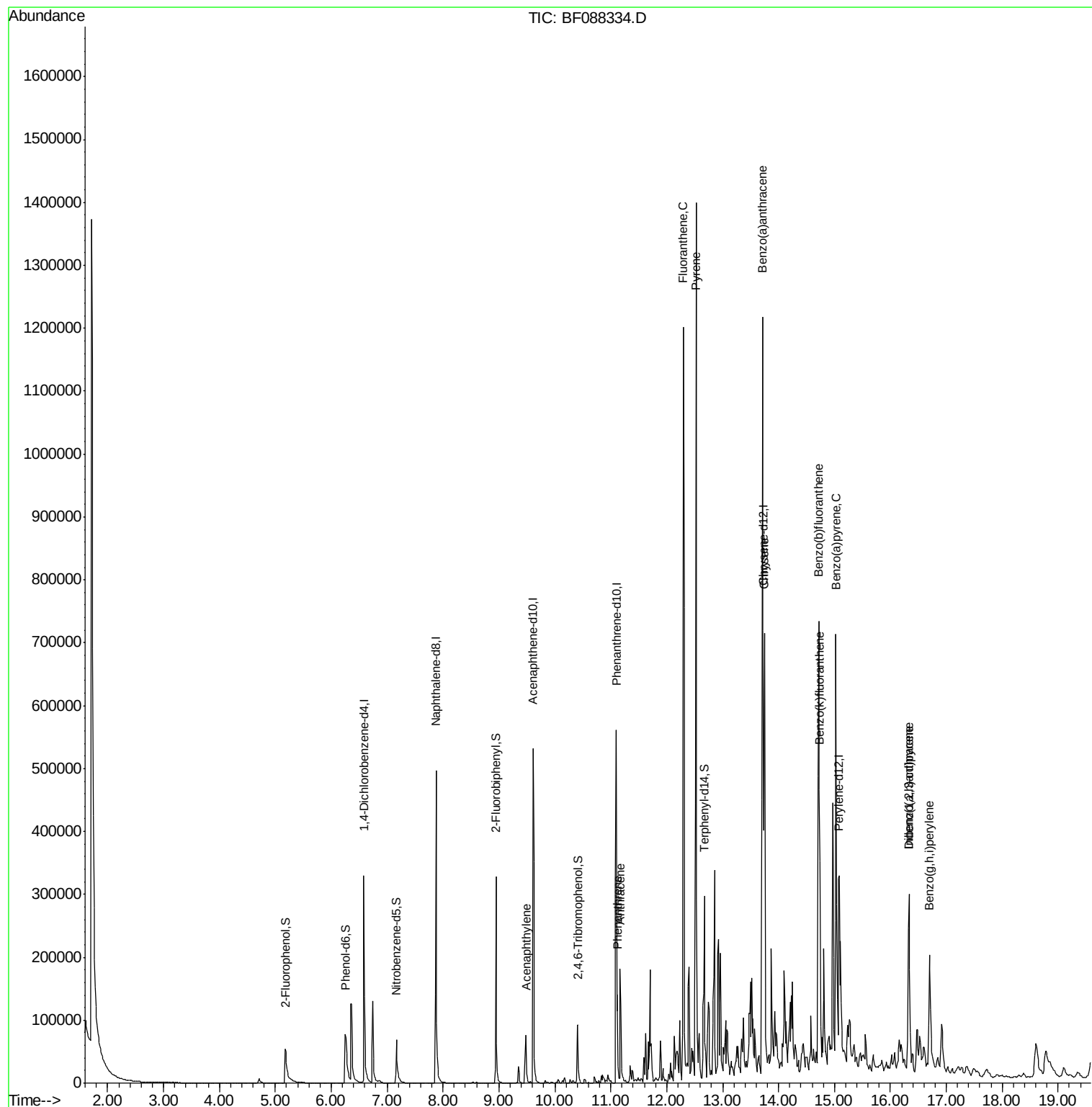
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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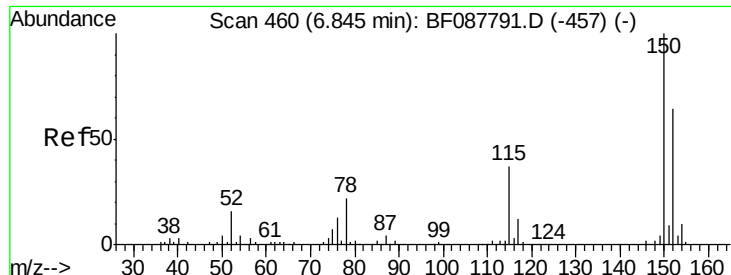
Instrument :
BNA_F
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SB-06-COMPDL

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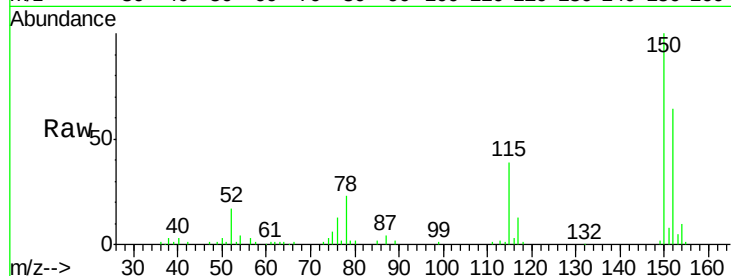




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.58 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF088334.D
Acq: 24 Jun 2016 16:27

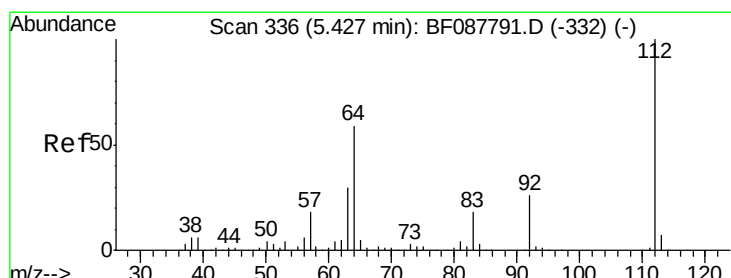
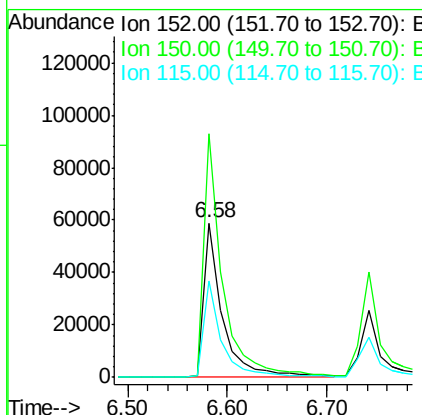
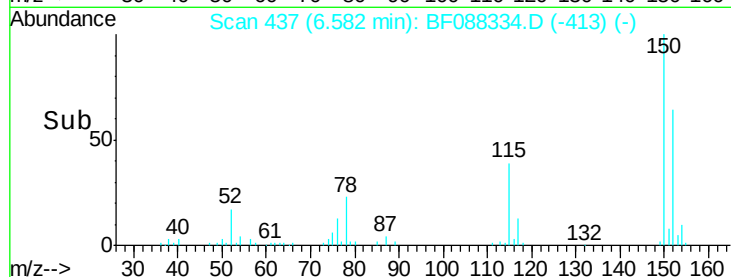
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:152 Resp: 77218
Ion Ratio Lower Upper
152 100
150 157.5 123.8 185.6
115 62.0 39.6 59.4#

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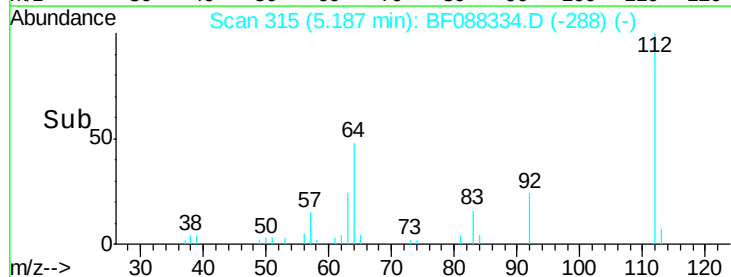
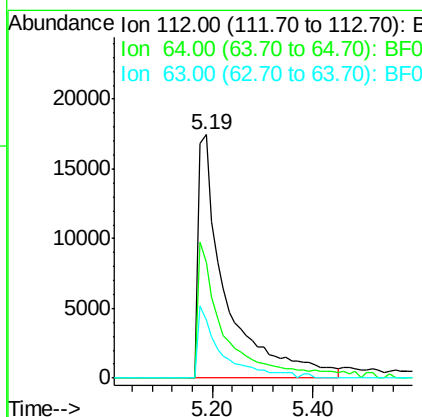
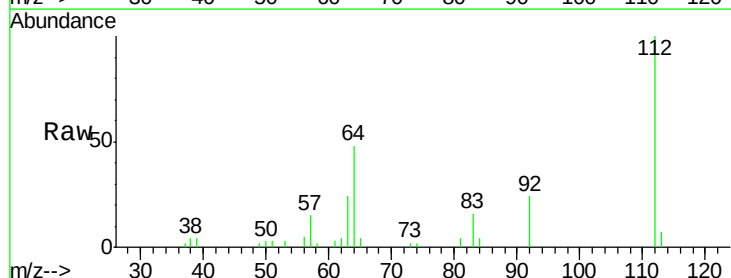
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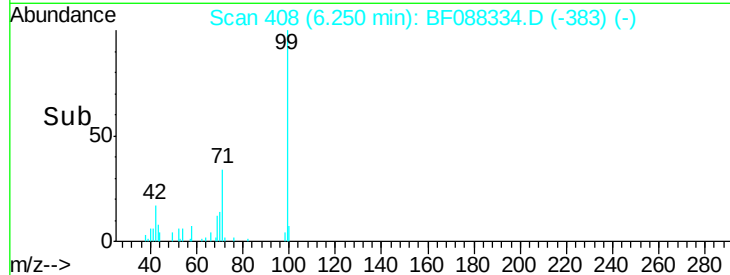
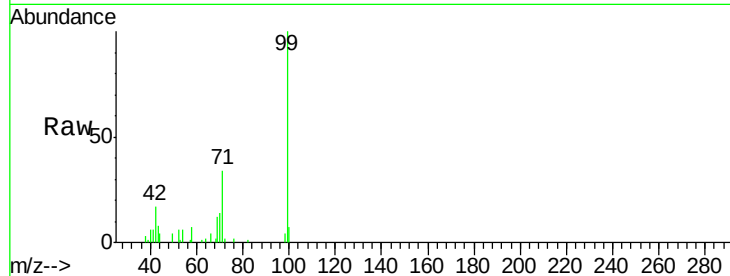
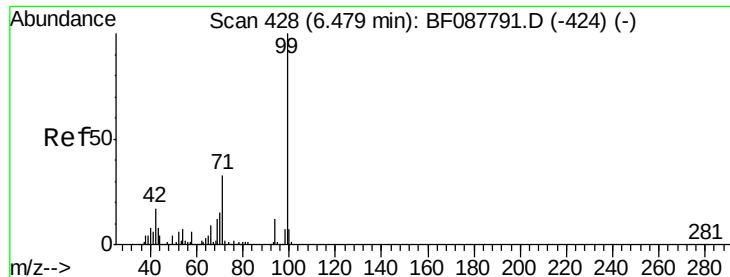


#5

2-Fluorophenol
Concen: 14.81 ng
RT: 5.19 min Scan# 315
Delta R.T. 0.01 min
Lab File: BF088334.D
Acq: 24 Jun 2016 16:27

Tgt Ion:112 Resp: 66888
Ion Ratio Lower Upper
112 100
64 47.6 42.2 63.2
63 23.8 21.8 32.8





#7

Phenol-d6

Concen: 18.15 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088334.D

Acq: 24 Jun 2016 16:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		99337		
42	16.5	12.2	18.2		
71	33.6	23.4	35.0		

Instrument :

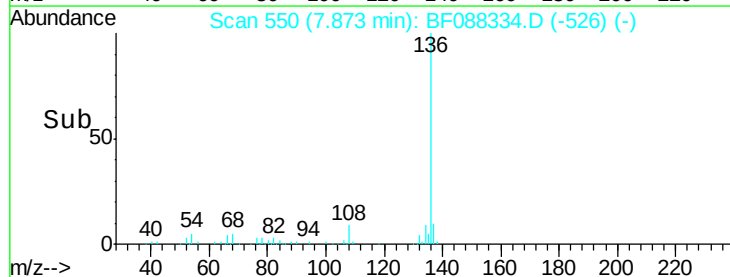
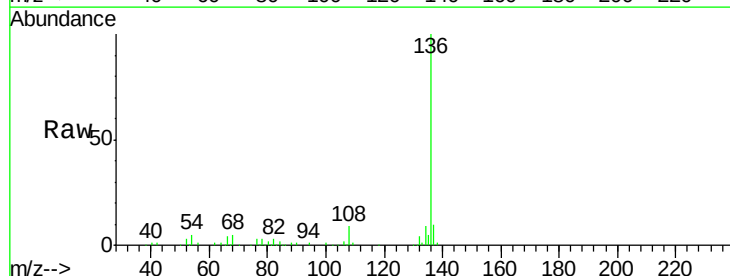
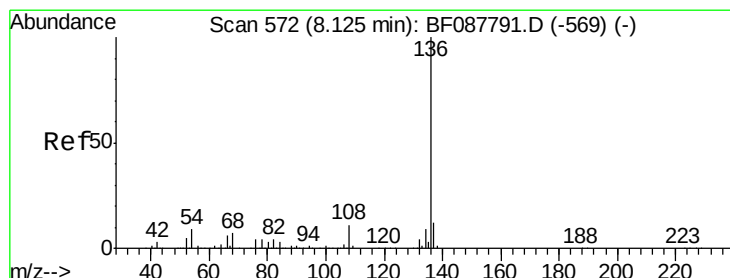
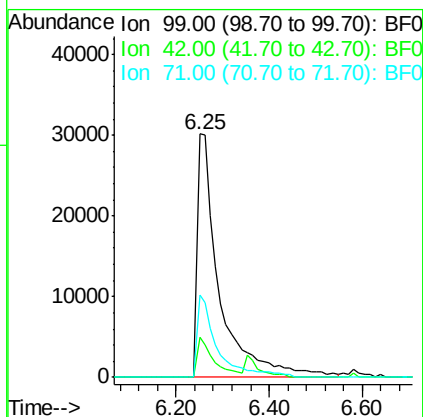
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.00 ng

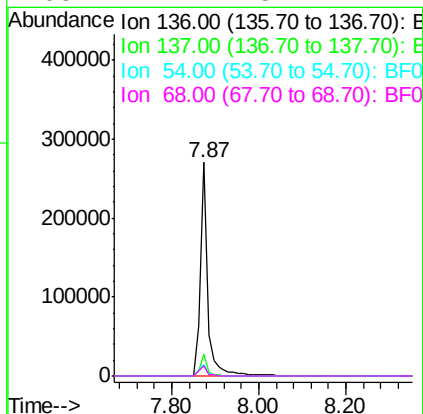
RT: 7.87 min Scan# 550

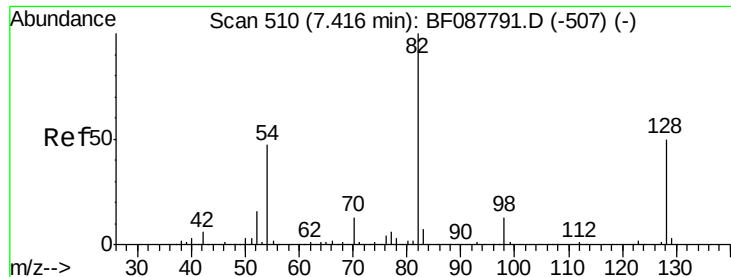
Delta R.T. -0.02 min

Lab File: BF088334.D

Acq: 24 Jun 2016 16:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		312359		
137	10.4	9.1	13.7		
54	5.3	6.6	10.0#		
68	4.7	5.1	7.7#		





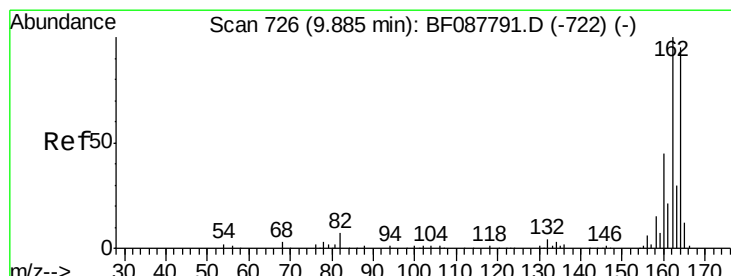
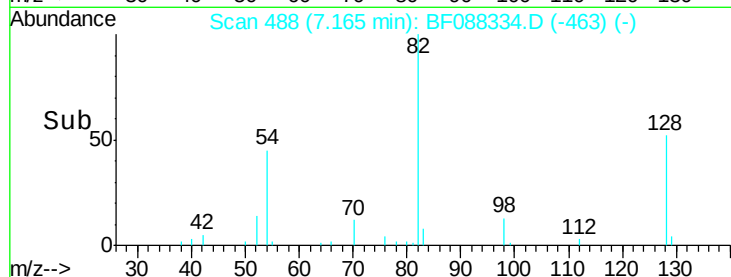
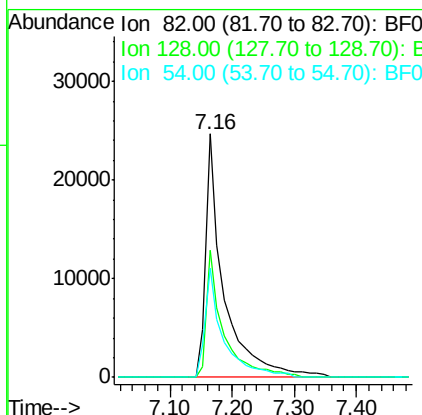
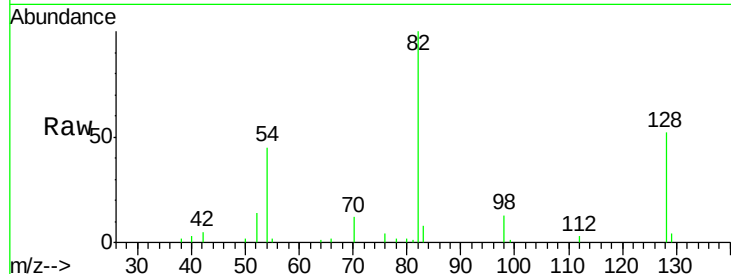
#23
 Nitrobenzene-d5
 Concen: 9.39 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF088334.D
 Acq: 24 Jun 2016 16:27

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	52.3	35.9	53.9
54	44.7	40.9	61.3

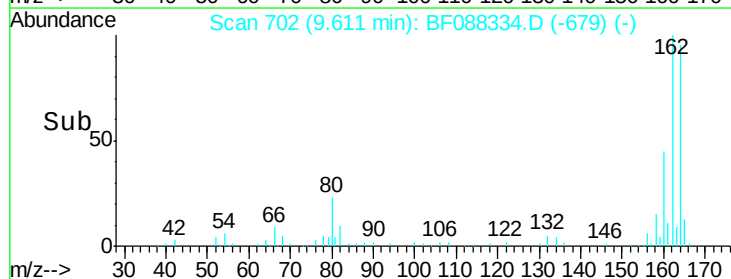
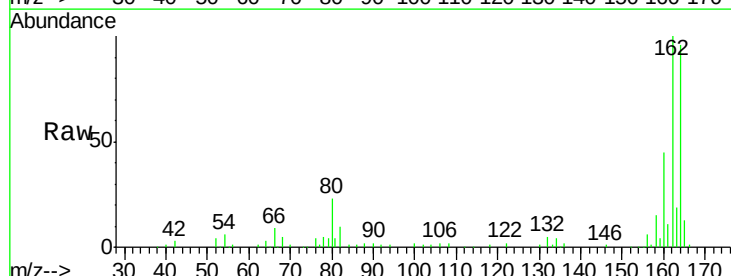
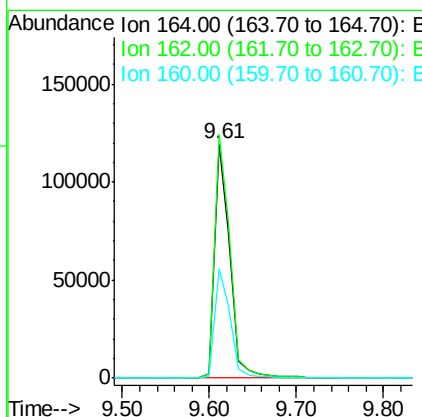
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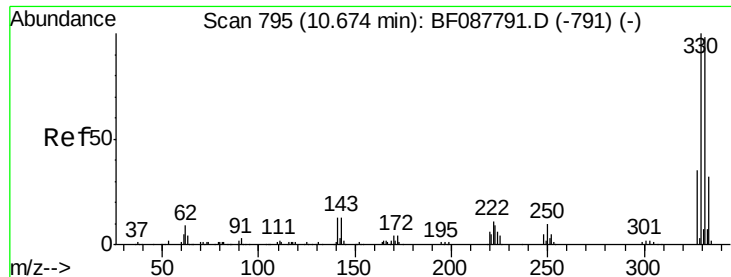
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: BF088334.D
 Acq: 24 Jun 2016 16:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	85.4	128.2
160	46.7	39.5	59.3





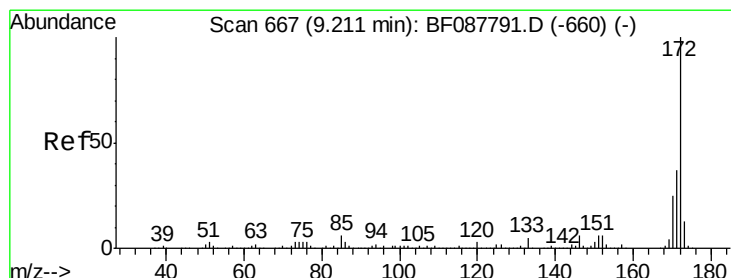
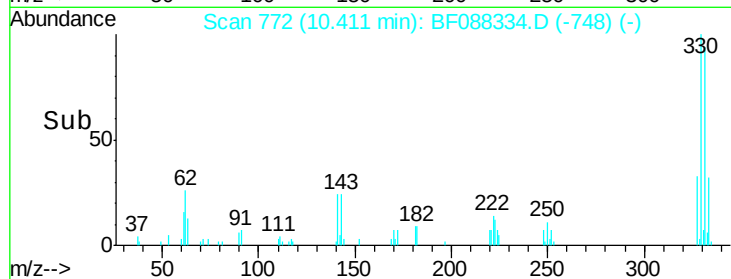
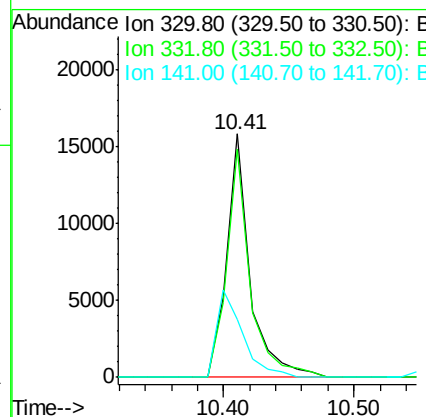
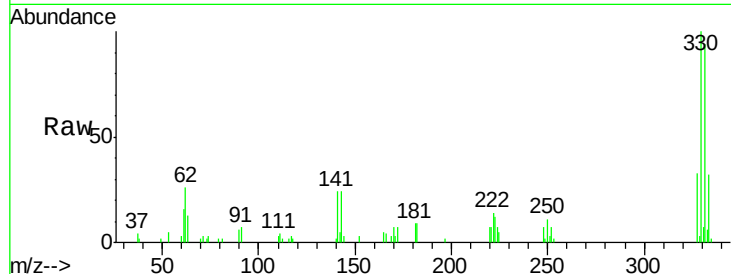
#41
 2,4,6-Tribromophenol
 Concen: 12.73 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF088334.D
 Acq: 24 Jun 2016 16:27

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	19820		
332	94.4	0.0	0.0	0.0
141	40.0	0.0	0.0	0.0

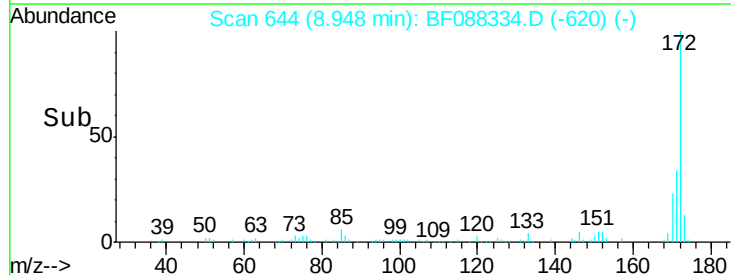
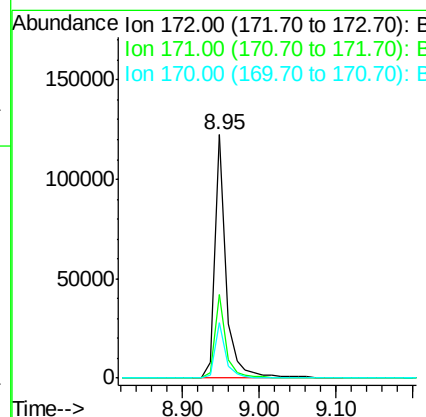
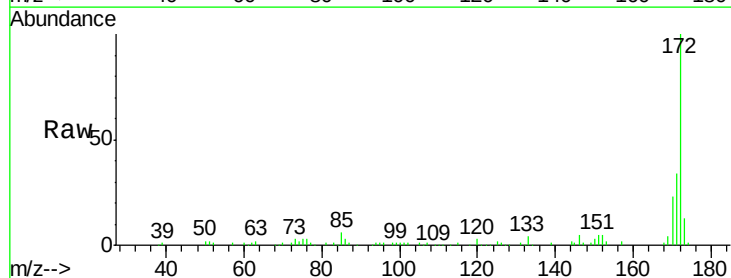
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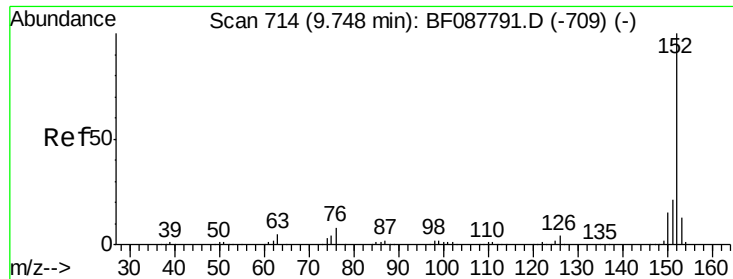
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#44
 2-Fluorobiphenyl
 Concen: 8.09 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF088334.D
 Acq: 24 Jun 2016 16:27

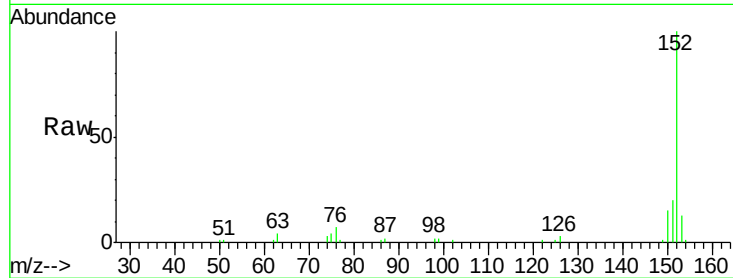
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	122960		
171	34.3	28.6	43.0	
170	22.9	19.2	28.8	





#48
 Acenaphthylene
 Concen: 4.36 ng
 RT: 9.48 min Scan# 691
 Delta R.T. -0.02 min
 Lab File: BF088334.D
 Acq: 24 Jun 2016 16:27

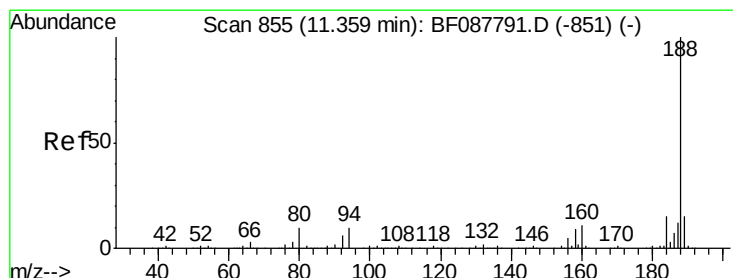
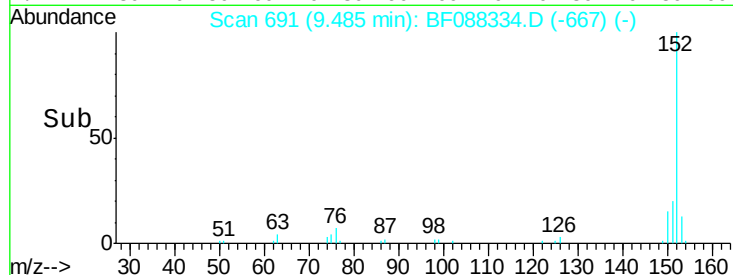
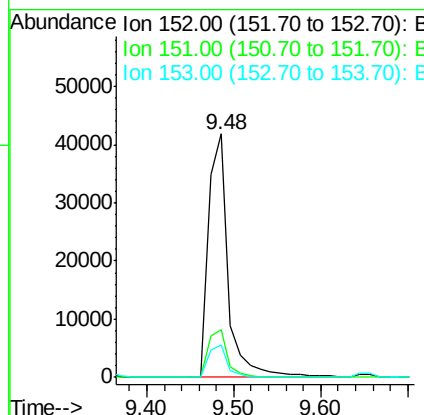
Instrument :
 BNA_F
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.2	24.4
153	13.3	11.0	16.6

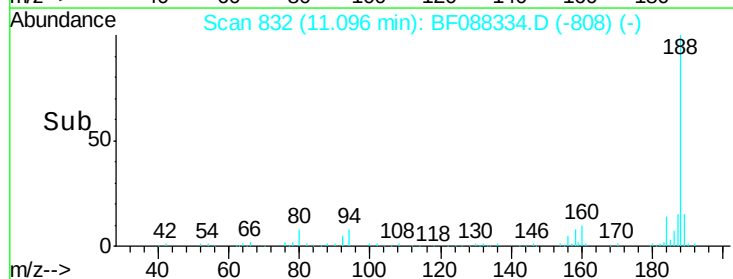
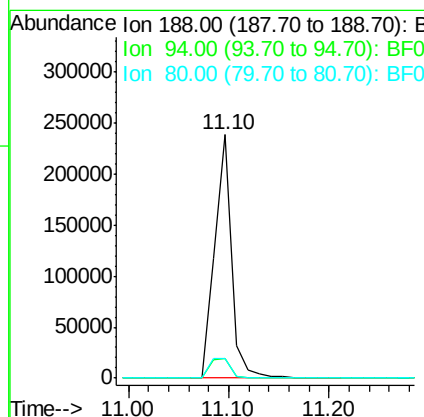
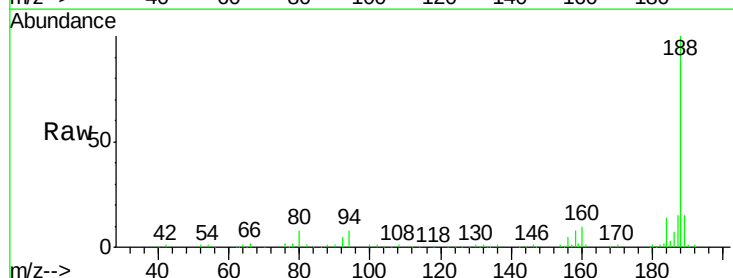
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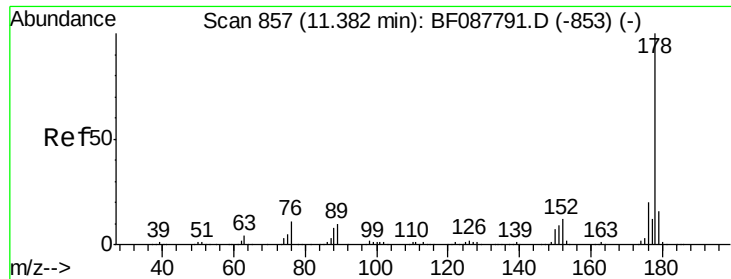
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 832
 Delta R.T. -0.02 min
 Lab File: BF088334.D
 Acq: 24 Jun 2016 16:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	9.0	13.6#
80	8.0	10.0	15.0#





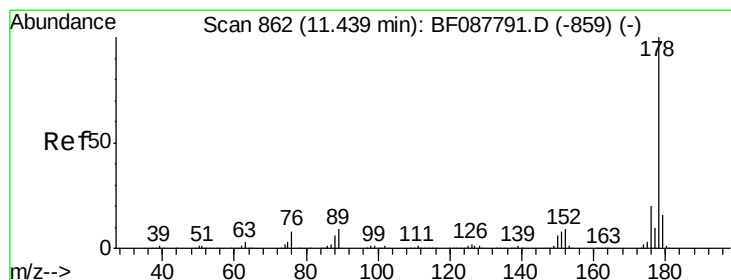
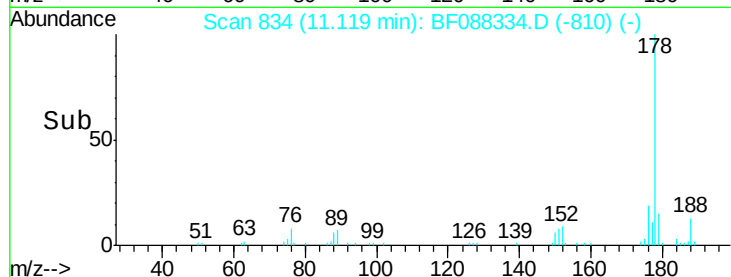
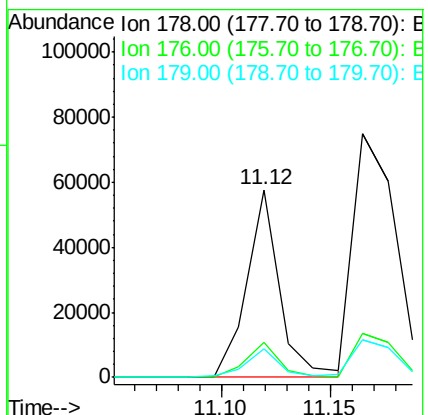
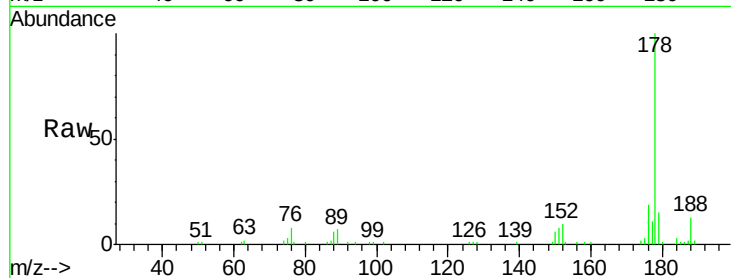
#70
Phenanthrene
Concen: 4.15 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.02 min
Lab File: BF088334.D
Acq: 24 Jun 2016 16:27

Instrument :
BNA_F
ClientSampleId :
SB-06-COMPDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.6
179	15.3	13.0	19.4

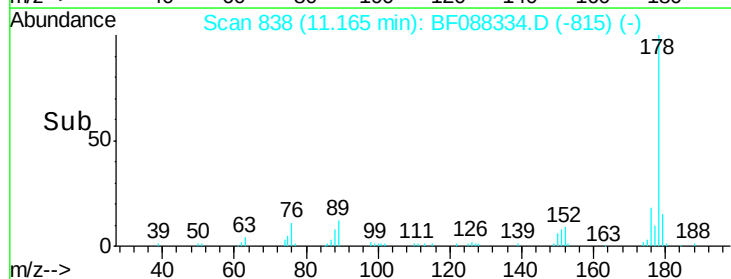
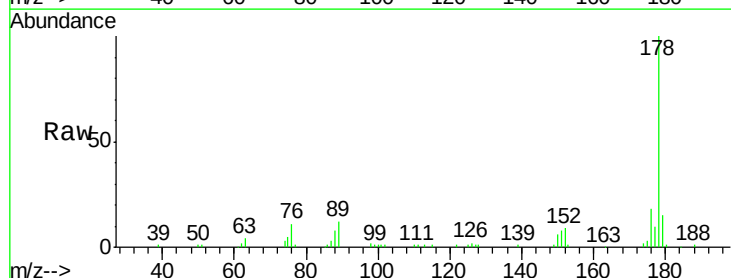
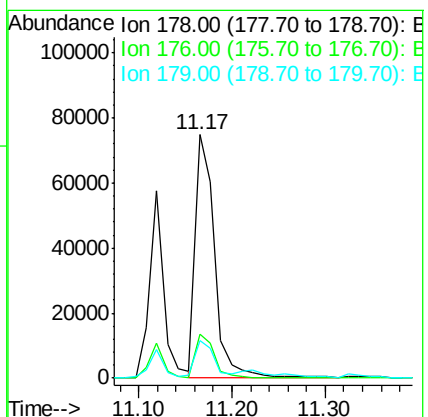
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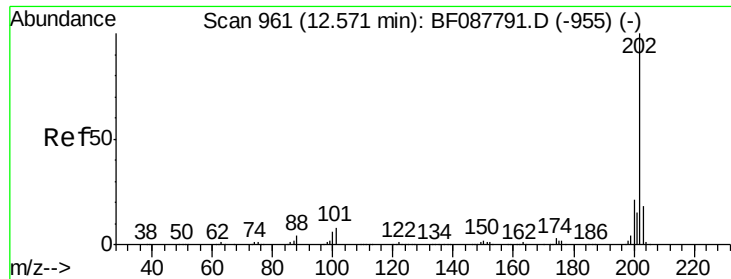
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#71
Anthracene
Concen: 7.43 ng
RT: 11.17 min Scan# 838
Delta R.T. -0.03 min
Lab File: BF088334.D
Acq: 24 Jun 2016 16:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.6	23.4
179	15.4	12.8	19.2





#74

Fluoranthene

Concen: 41.41 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF088334.D

Acq: 24 Jun 2016 16:27

Instrument :

BNA_F

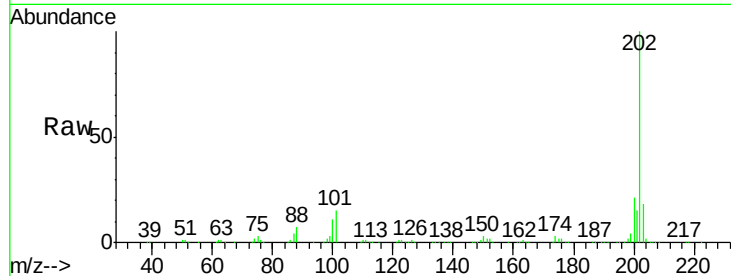
ClientSampleId :

SB-06-COMPDL

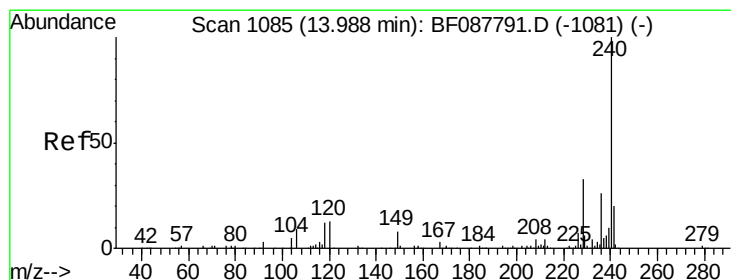
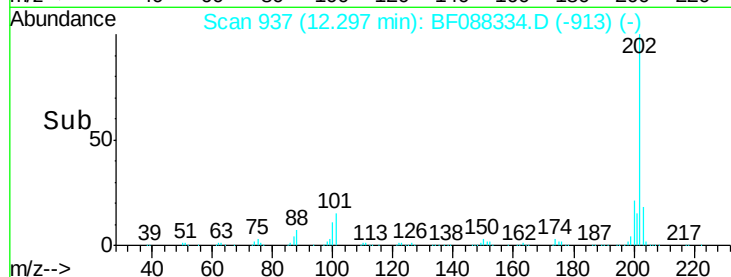
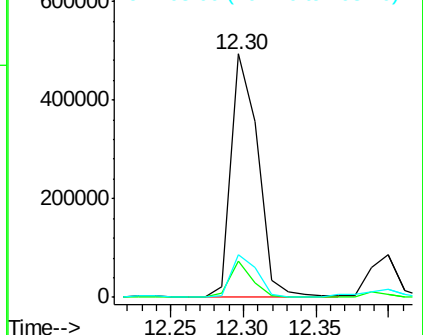
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		635898		
101	15.0	0.0	33.1		
203	17.7	0.0	38.1		

Manual Integrations
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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

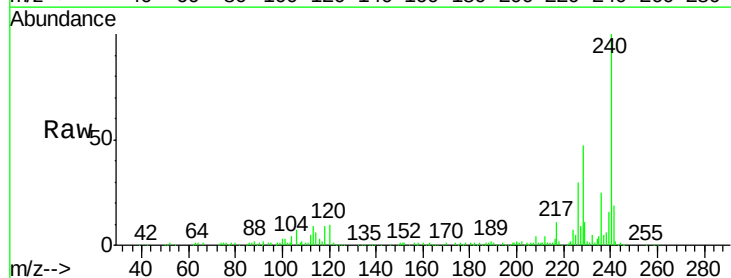
RT: 13.73 min Scan# 1062

Delta R.T. -0.02 min

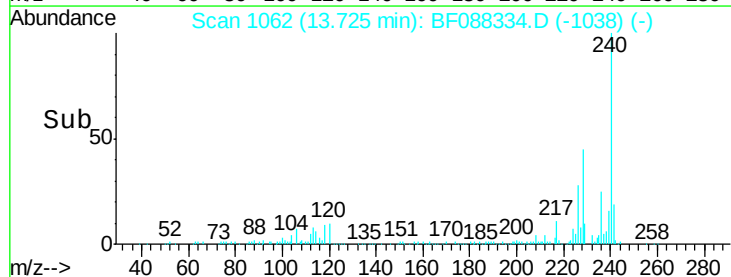
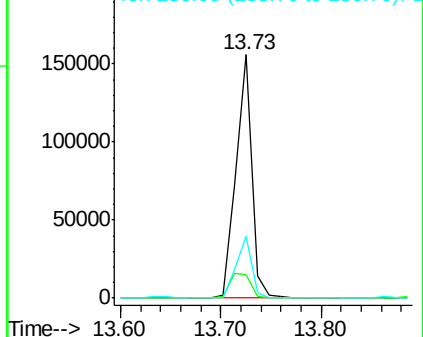
Lab File: BF088334.D

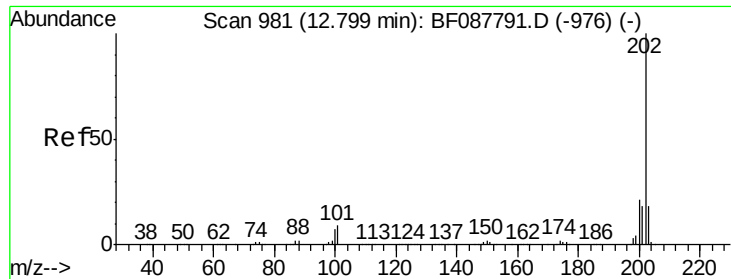
Acq: 24 Jun 2016 16:27

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		170353		
120	9.6	6.8	10.2		
236	25.4	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





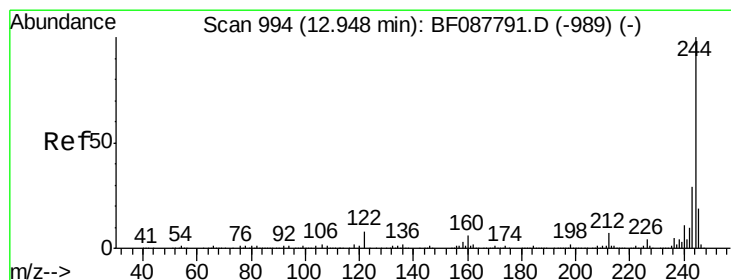
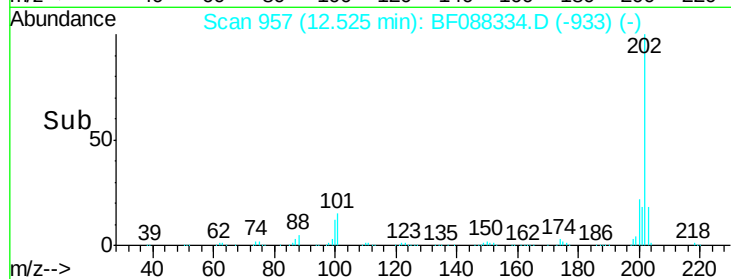
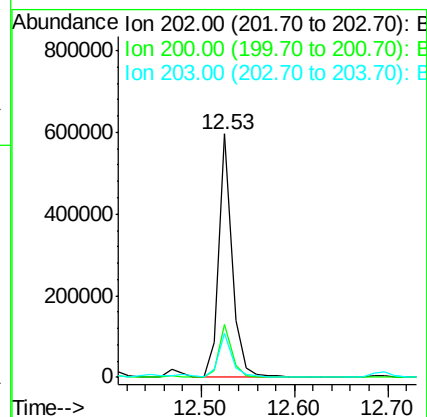
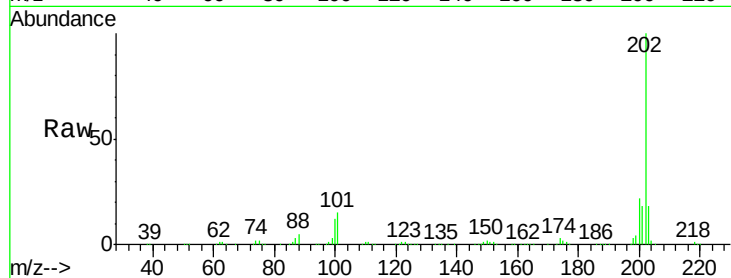
#77
 Pyrene
 Concen: 46.37 ng
 RT: 12.53 min Scan# 957
 Delta R.T. -0.02 min
 Lab File: BF088334.D
 Acq: 24 Jun 2016 16:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMPDL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	586228		
200	21.7	17.4	26.2	
203	17.9	14.5	21.7	

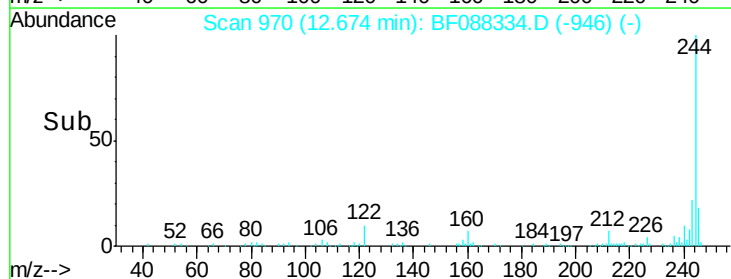
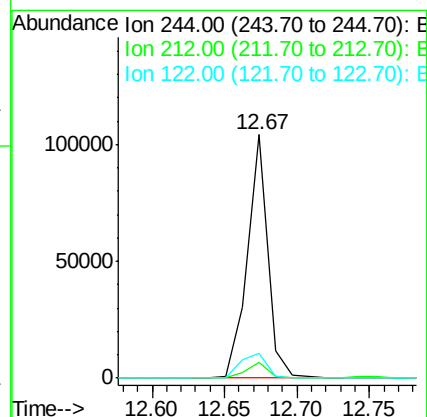
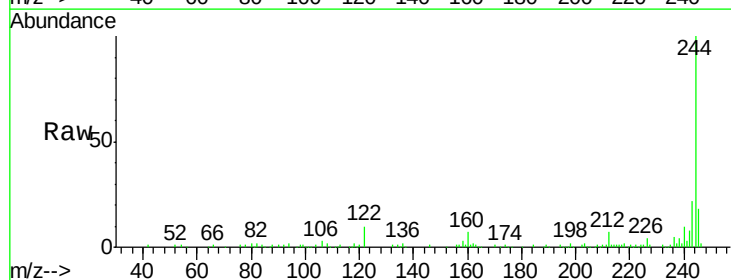
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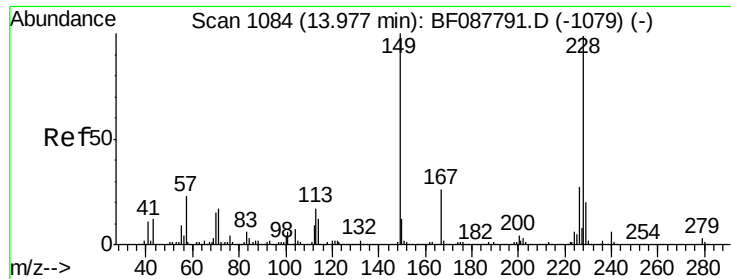
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#78
 Terphenyl-d14
 Concen: 13.67 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.02 min
 Lab File: BF088334.D
 Acq: 24 Jun 2016 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	102369		
212	6.6	6.0	9.0	
122	10.3	11.2	16.8#	





#80

Benzo(a)anthracene

Concen: 45.41 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.02 min

Lab File: BF088334.D

Acq: 24 Jun 2016 16:27

Instrument :

BNA_F

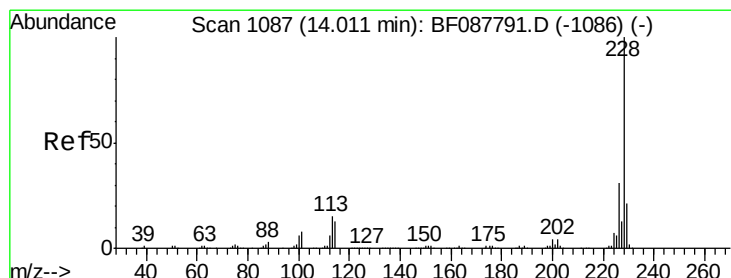
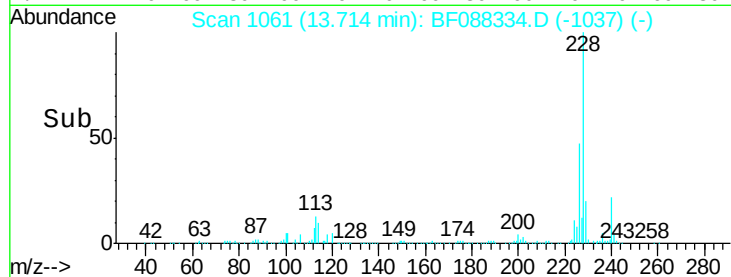
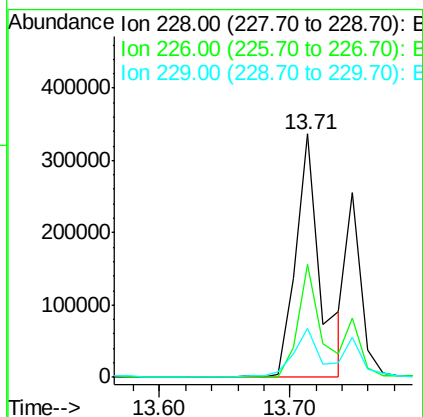
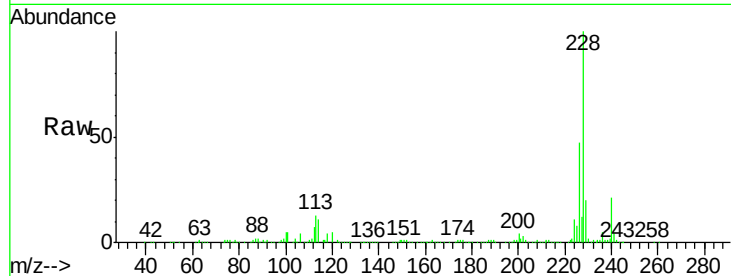
ClientSampleId :

SB-06-COMPDL

Tgt Ion:	228	Resp:	440791
Ion Ratio	Lower	Upper	
228	100		
226	46.6	22.3	33.5#
229	20.2	16.0	24.0

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#82

Chrysene

Concen: 22.93 ng m

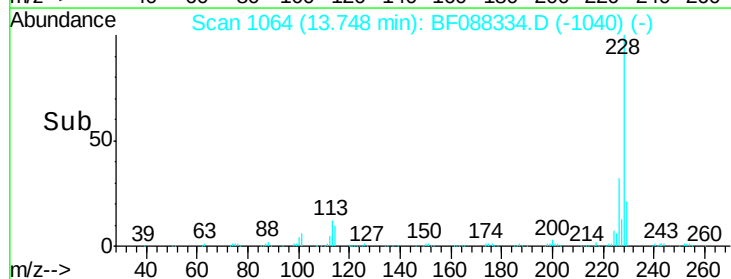
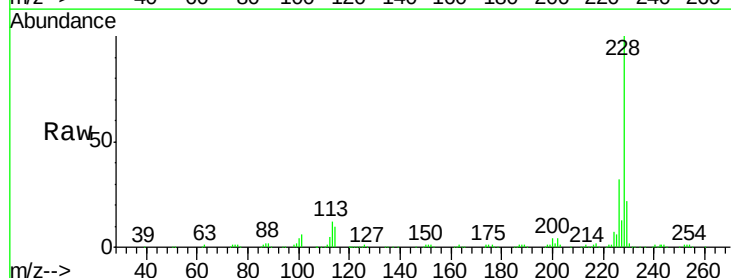
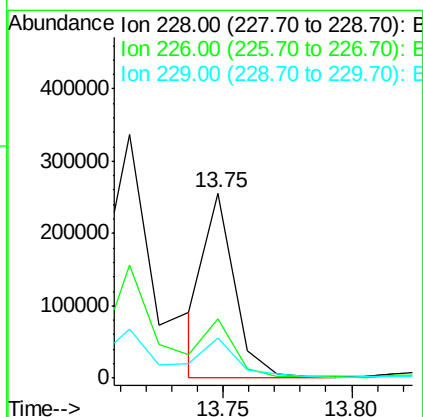
RT: 13.75 min Scan# 1064

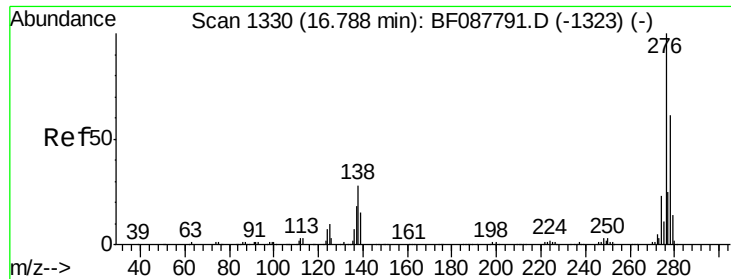
Delta R.T. -0.02 min

Lab File: BF088334.D

Acq: 24 Jun 2016 16:27

Tgt Ion:	228	Resp:	209448
Ion Ratio	Lower	Upper	
228	100		
226	31.8	25.4	38.2
229	22.0	16.3	24.5





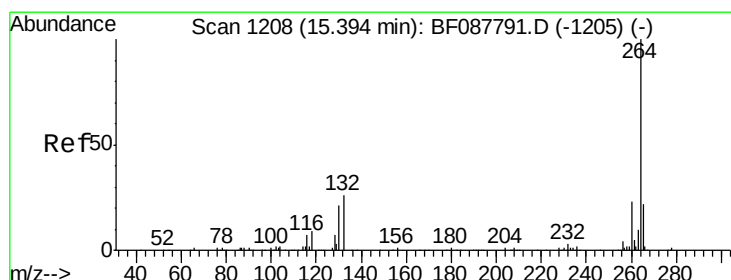
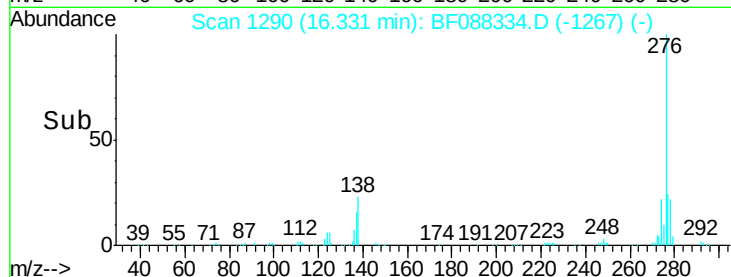
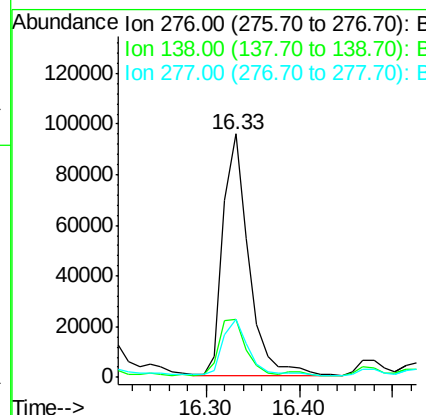
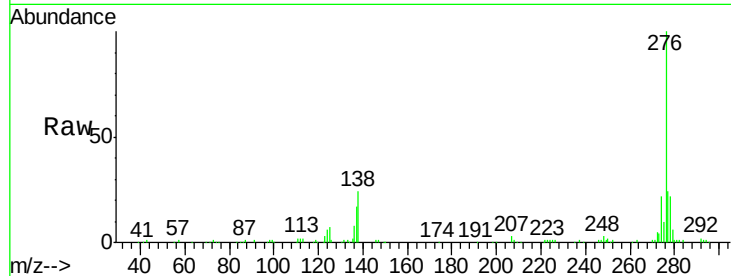
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 21.35 ng
 RT: 16.33 min Scan# 1290
 Delta R.T. -0.03 min
 Lab File: BF088334.D
 Acq: 24 Jun 2016 16:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMPDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	24.6	0.0	0.0#
277	23.5	0.0	0.0#

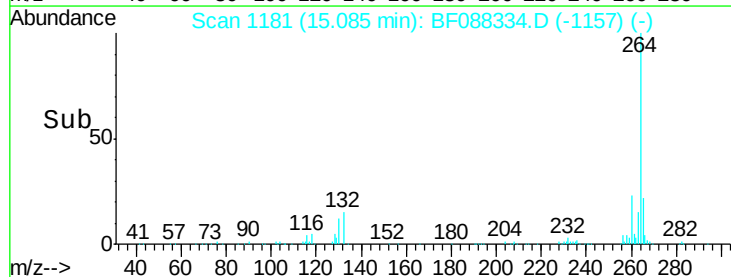
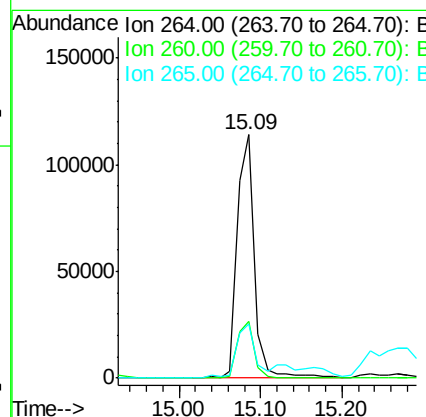
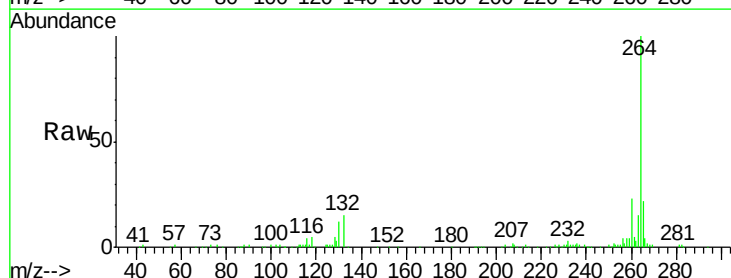
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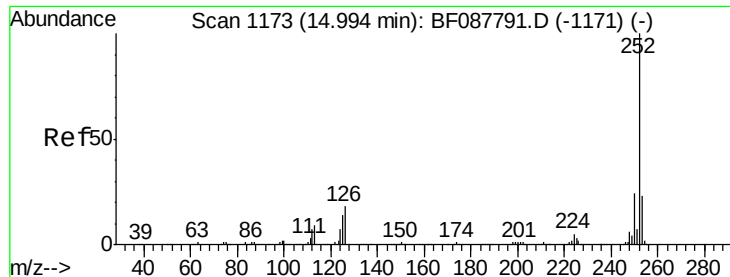
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF088334.D
 Acq: 24 Jun 2016 16:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.2	19.2	28.8
265	22.2	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 34.36 ng m

RT: 14.72 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BF088334.D

Acq: 24 Jun 2016 16:27

Instrument :

BNA_F

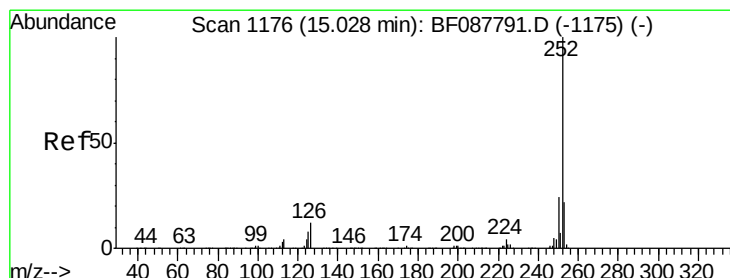
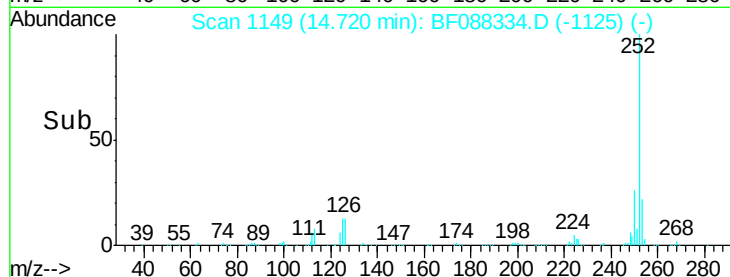
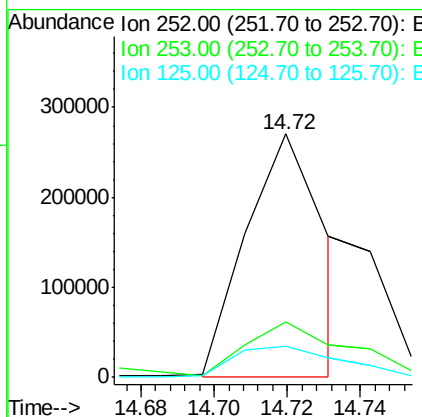
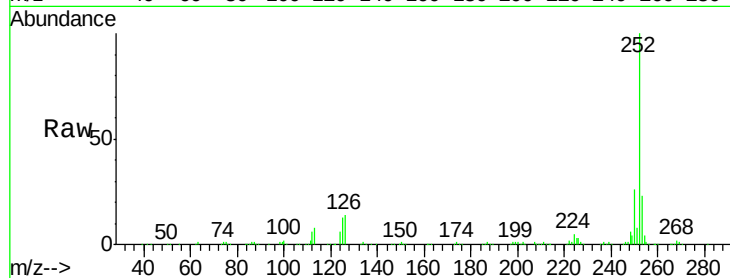
ClientSampleId :

SB-06-COMPDL

Tgt Ion:	252	Resp:	403346
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.2
125	13.0	7.1	10.7#

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#88

Benzo(k)fluoranthene

Concen: 13.13 ng m

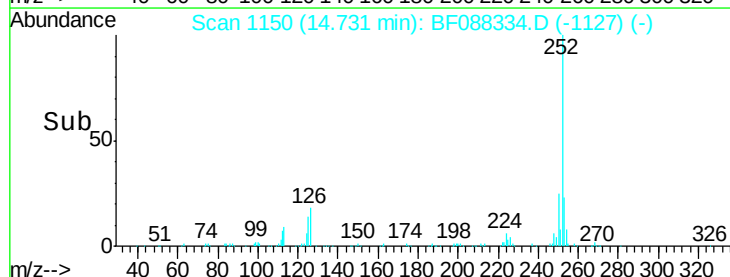
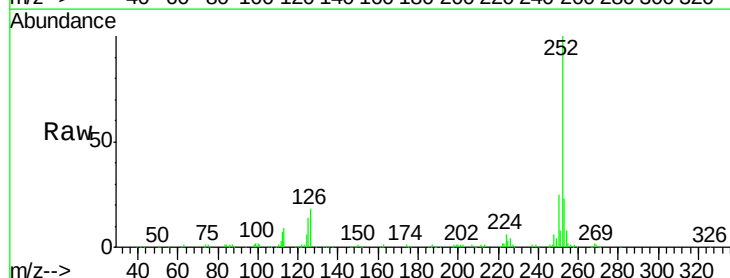
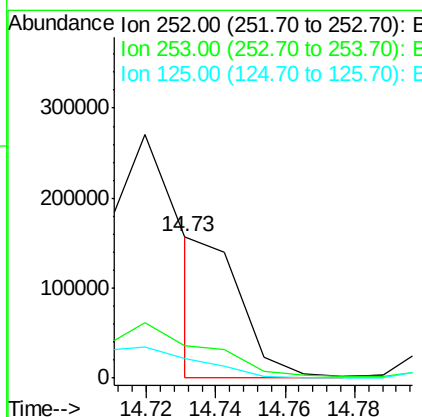
RT: 14.73 min Scan# 1150

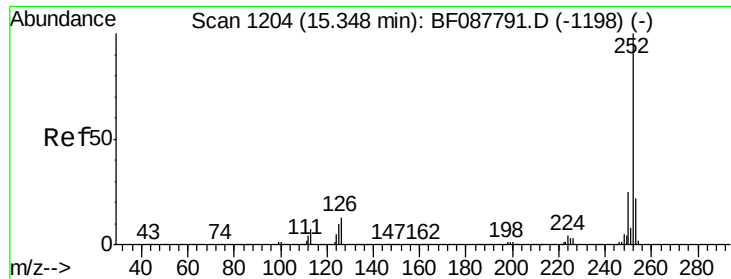
Delta R.T. -0.03 min

Lab File: BF088334.D

Acq: 24 Jun 2016 16:27

Tgt Ion:	252	Resp:	116236
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.0	27.0
125	13.9	11.2	16.8





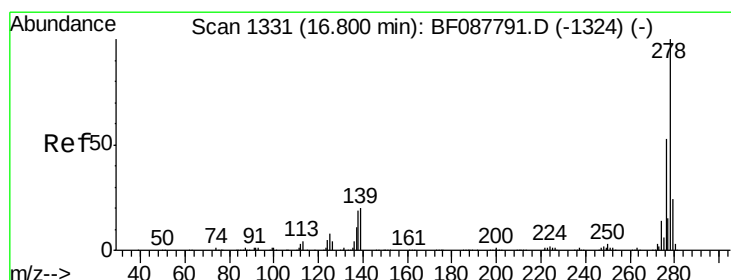
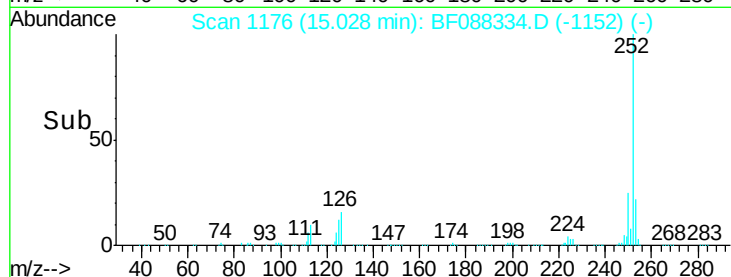
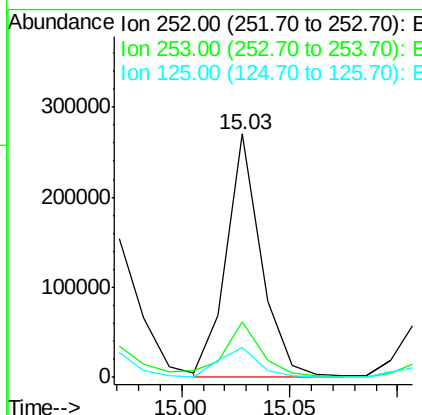
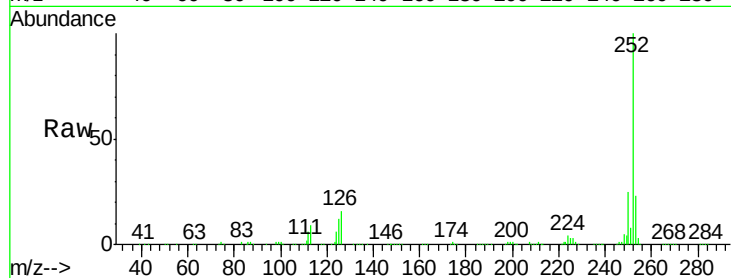
#89
Benzo(a)pyrene
Concen: 31.99 ng m
RT: 15.03 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF088334.D
Acq: 24 Jun 2016 16:27

Instrument :
BNA_F
ClientSampleId :
SB-06-COMPDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	12.0	12.5	18.7#

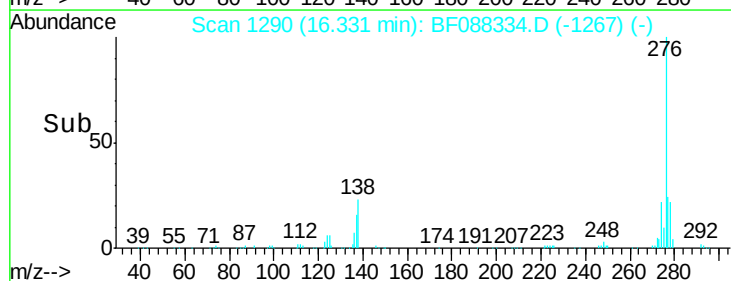
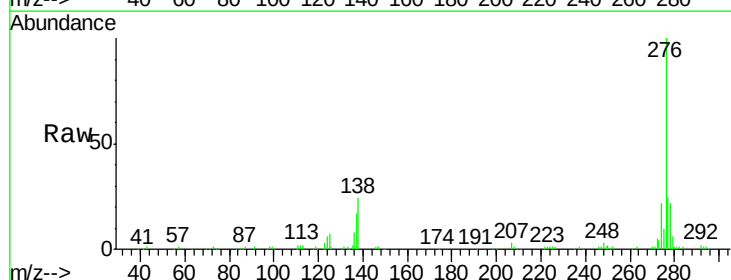
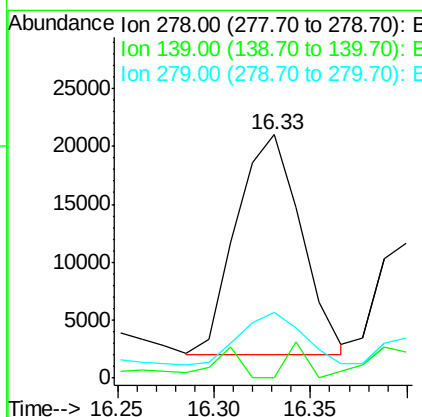
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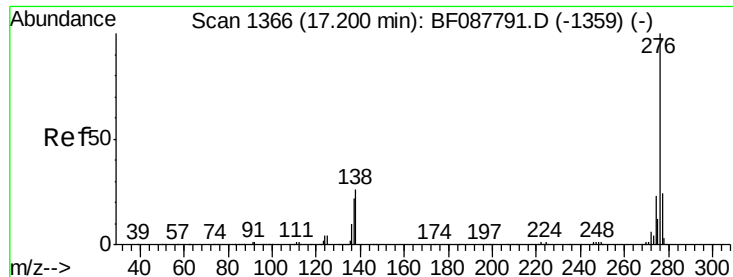
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#90
Dibenzo(a,h)anthracene
Concen: 5.04 ng m
RT: 16.33 min Scan# 1290
Delta R.T. -0.03 min
Lab File: BF088334.D
Acq: 24 Jun 2016 16:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	27.1	19.4	29.2





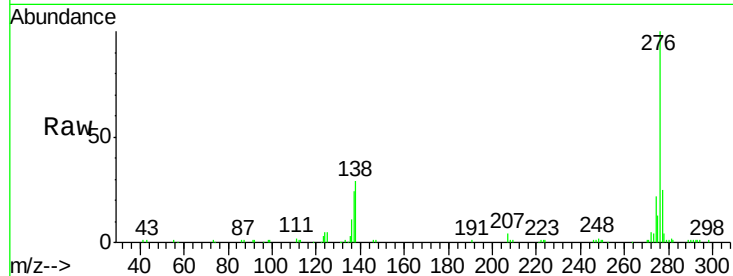
#91
 Benzo(g,h,i)perylene
 Concen: 16.70 ng
 RT: 16.70 min Scan# 1322
 Delta R.T. -0.05 min
 Lab File: BF088334.D
 Acq: 24 Jun 2016 16:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMPDL

Tgt Ion:	276	Resp:	151516
Ion Ratio		Lower	Upper
276	100		
277	24.6	18.9	28.3
138	28.6	21.4	32.2

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

