

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
 Data File : BF081195.D
 Acq On : 25 Aug 2015 5:15
 Operator : UM/IZ
 Sample : G3387-01 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01

Manual Integrations
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 8/25/2015 12:39:34 PM

Quant Time: Aug 25 11:02:28 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 13:58:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	64552	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	260554	20.00	ng	0.00
38) Acenaphthene-d10	9.57	164	112794	20.00	ng	-0.01
63) Phenanthrene-d10	11.04	188	215361	20.00	ng	0.00
75) Chrysene-d12	13.66	240	141511	20.00	ng	0.00
86) Perylene-d12	15.00	264	117787	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.10	112	24008	5.59	ng	0.00
7) Phenol-d6	6.18	99	33710	6.02	ng	-0.01
23) Nitrobenzene-d5	7.11	82	19446	3.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	4668	4.77	ng	0.00
44) 2-Fluorobiphenyl	8.90	172	35542	4.13	ng	0.00
78) Terphenyl-d14	12.62	244	23741	3.60	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	7.84	128	33557	2.31	ng	97
51) Acenaphthene	9.60	154	47797	5.59	ng	99
54) Dibenzofuran	9.77	168	47676	4.16	ng	99
57) Fluorene	10.12	166	67018	7.61	ng	99
70) Phenanthrene	11.07	178	517478	40.54	ng	98
71) Anthracene	11.11	178	164450	13.24	ng	98
72) Carbazole	11.27	167	72586	6.07	ng	100
74) Fluoranthene	12.24	202	745259	54.11	ng	92
77) Pyrene	12.47	202	727236	63.22	ng	99
80) Benzo(a)anthracene	13.65	228	367170	38.69	ng	97
82) Chrysene	13.68	228	219209m	25.63	ng	
85) Indeno(1,2,3-cd)pyrene	16.17	276	157788m	26.28	ng	
87) Benzo(b)fluoranthene	14.64	252	356572m	42.80	ng	
88) Benzo(k)fluoranthene	14.65	252	148167m	19.09	ng	
89) Benzo(a)pyrene	14.94	252	254343	35.04	ng	# 90
90) Dibenzo(a,h)anthracene	16.17	278	50897	9.00	ng	# 80
91) Benzo(g,h,i)perylene	16.53	276	140459	24.48	ng	# 92

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

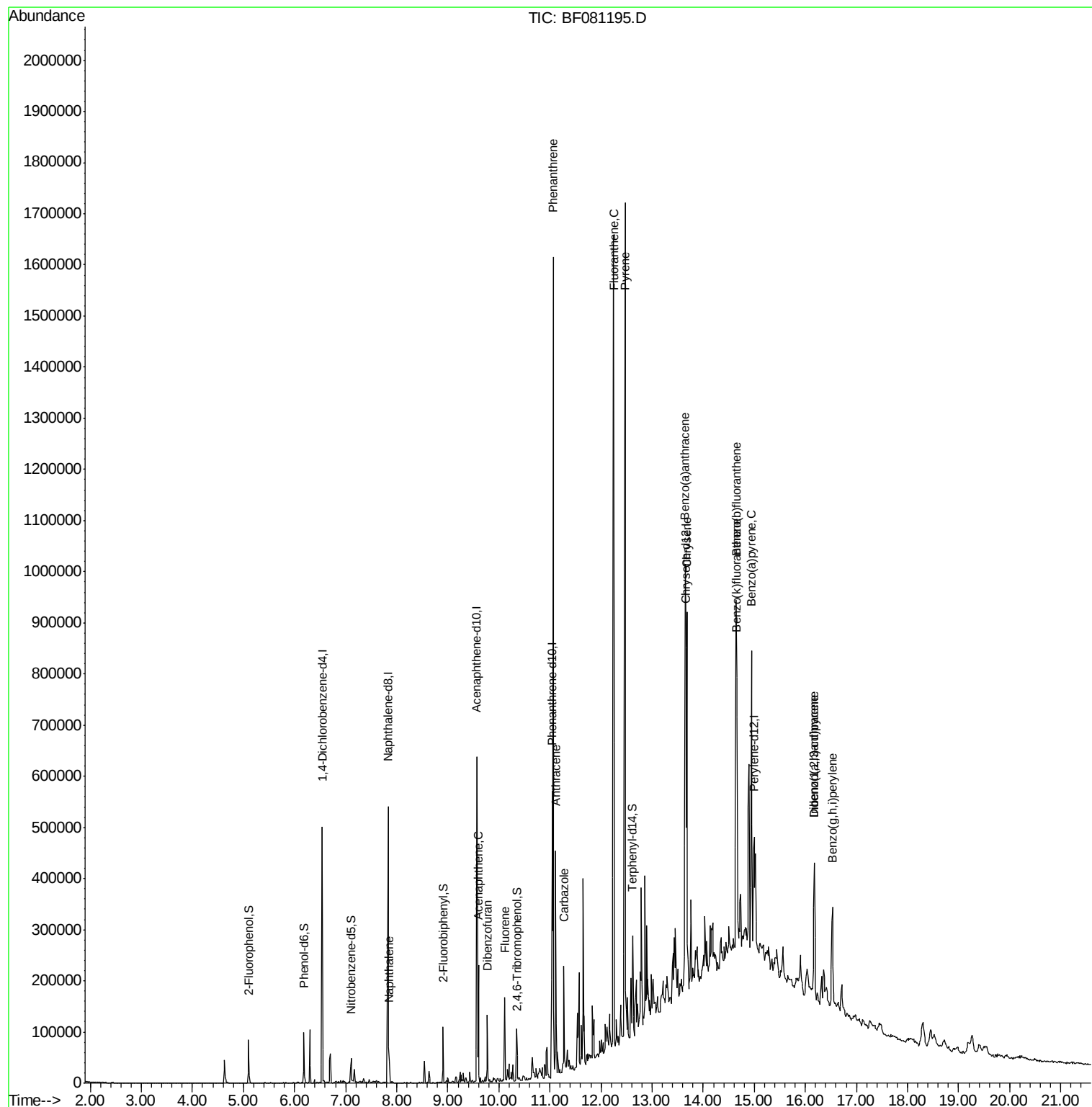
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081195.D
Acq On : 25 Aug 2015 5:15
Operator : UM/IZ
Sample : G3387-01 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

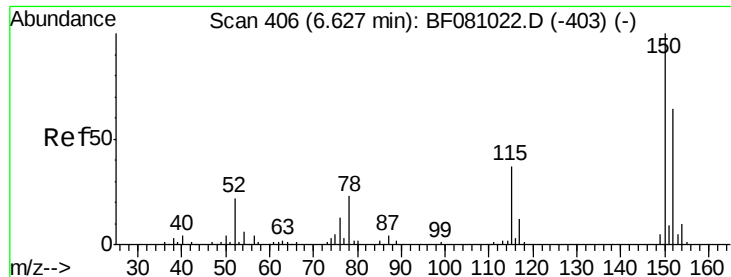
Instrument :
BNA_F
ClientSampleId :
SS-01

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

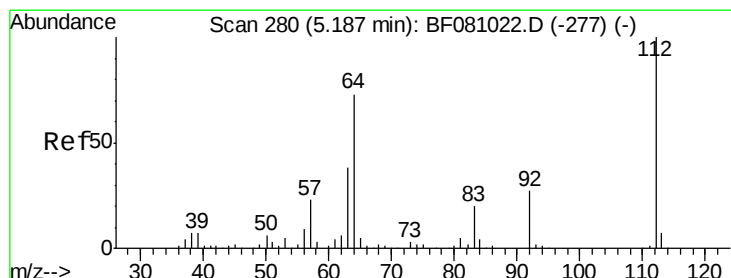
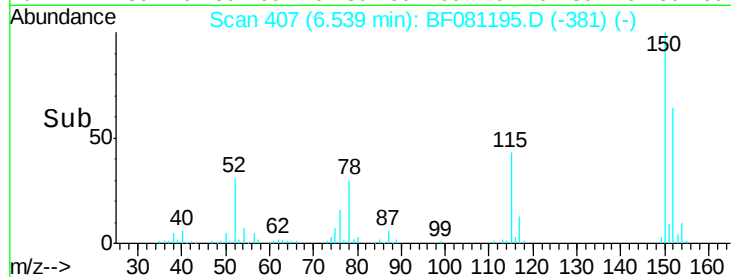
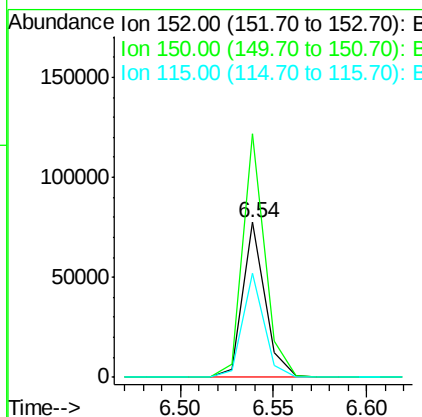
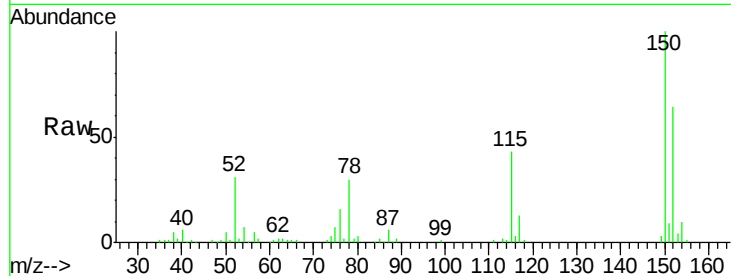
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.54 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Instrument :
BNA_F
ClientSampleId :
SS-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.3	123.8	185.6
115	67.1	52.1	78.1

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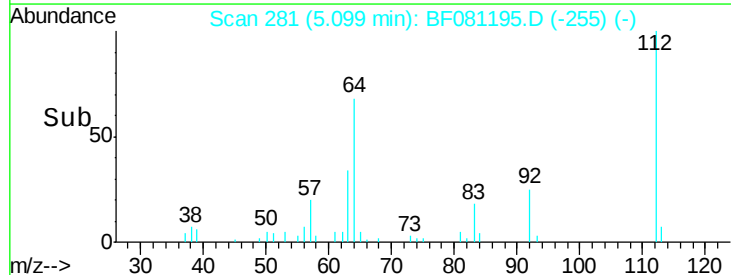
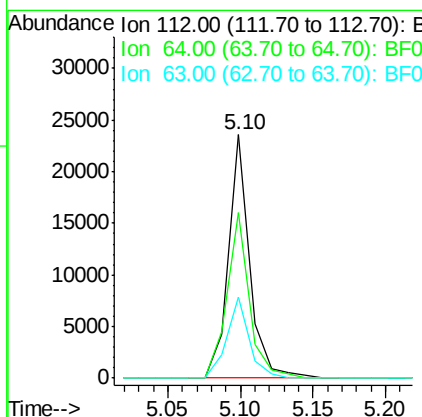
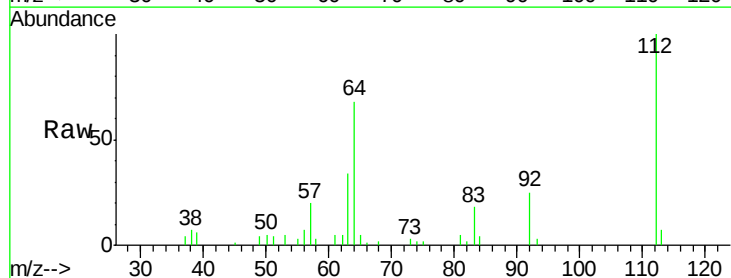
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#5

2-Fluorophenol
Concen: 5.59 ng
RT: 5.10 min Scan# 281
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.7	66.9	100.3
63	33.5	38.1	57.1#





#7

Phenol-d6

Concen: 6.02 ng

RT: 6.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF081195.D

Acq: 25 Aug 2015 5:15

Instrument :

BNA_F

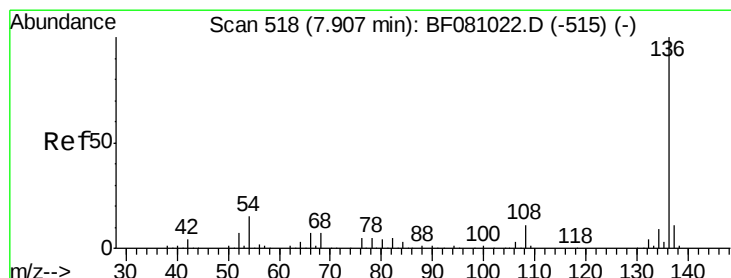
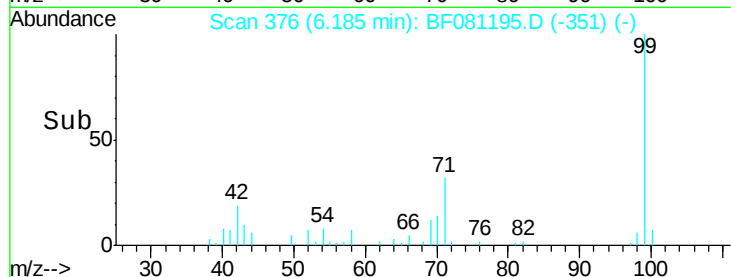
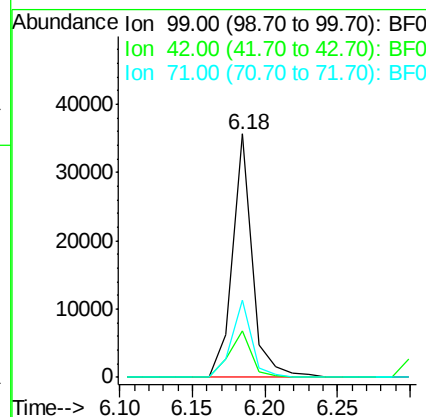
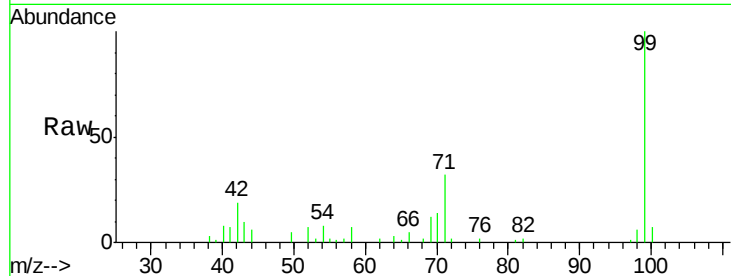
ClientSampleId :

SS-01

Tgt Ion:	99	Resp:	33710
Ion Ratio	Lower	Upper	
99	100		
42	19.3	19.6	29.4#
71	31.7	31.2	46.8

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#21

Naphthalene-d8

Concen: 20.00 ng

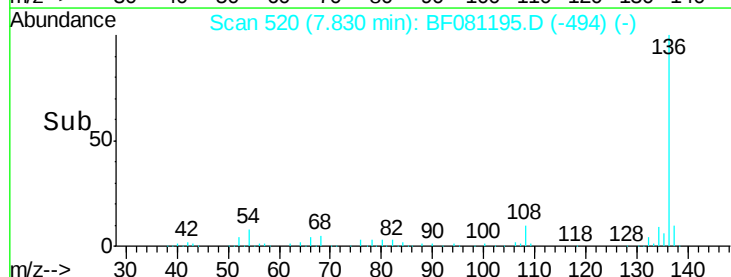
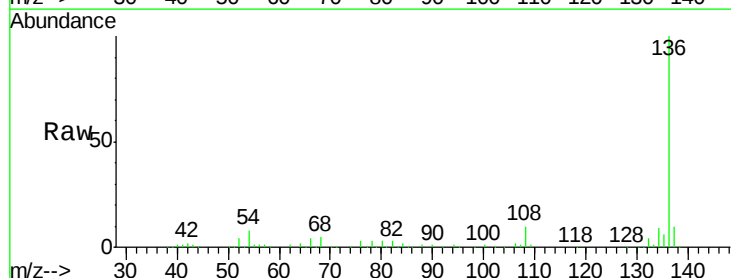
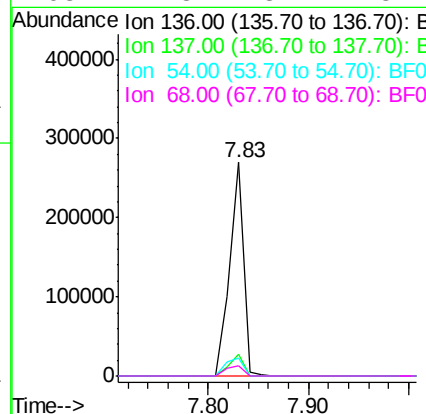
RT: 7.83 min Scan# 520

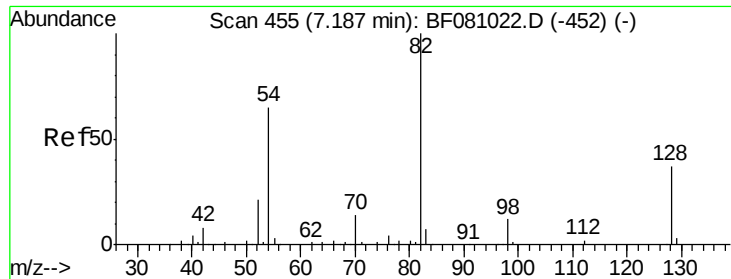
Delta R.T. 0.00 min

Lab File: BF081195.D

Acq: 25 Aug 2015 5:15

Tgt Ion:	136	Resp:	260554
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.2	12.2
54	8.2	7.7	11.5
68	4.8	3.4	5.2





#23

Nitrobenzene-d5

Concen: 3.41 ng

RT: 7.11 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF081195.D

Acq: 25 Aug 2015 5:15

Instrument :

BNA_F

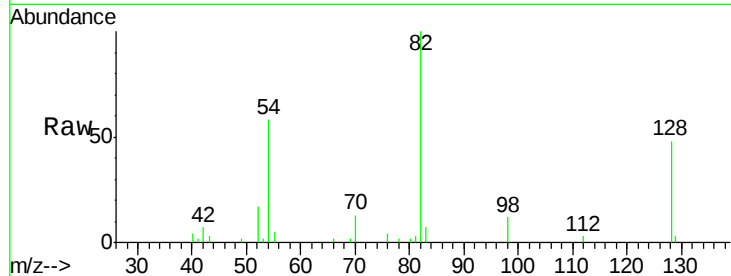
ClientSampleId :

SS-01

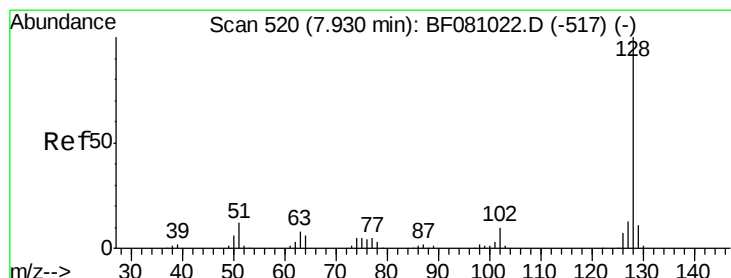
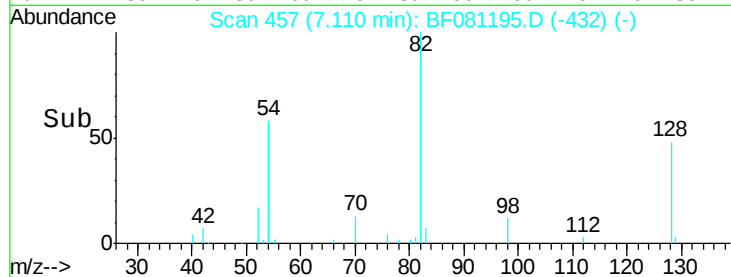
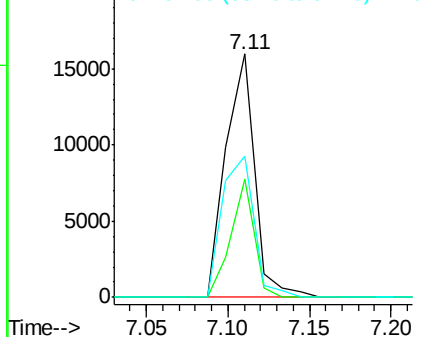
Tgt Ion:	82	Resp:	19446
Ion Ratio	Lower	Upper	
82	100		
128	48.5	28.6	42.8#
54	57.8	55.1	82.7

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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: 2.31 ng

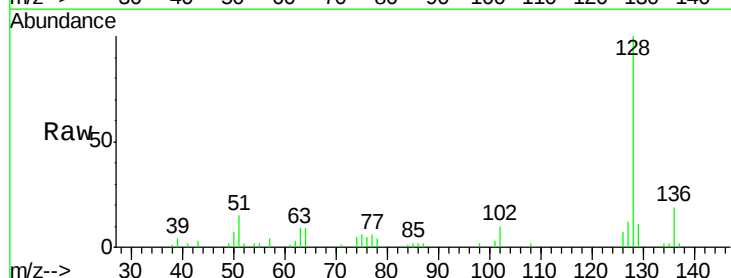
RT: 7.84 min Scan# 521

Delta R.T. -0.01 min

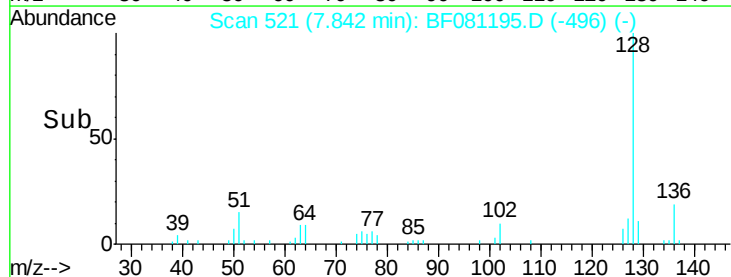
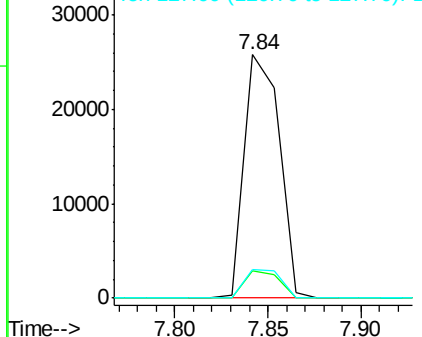
Lab File: BF081195.D

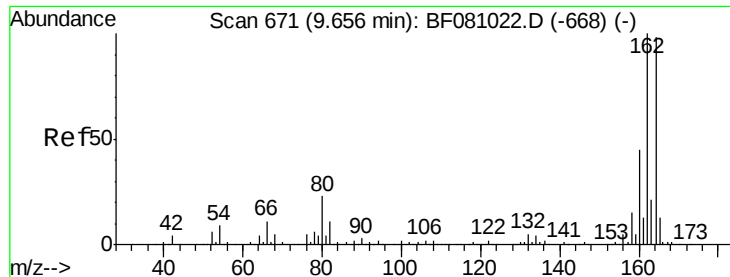
Acq: 25 Aug 2015 5:15

Tgt Ion:	128	Resp:	33557
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.4	12.6
127	11.8	10.6	16.0



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: 9.57 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF081195.D

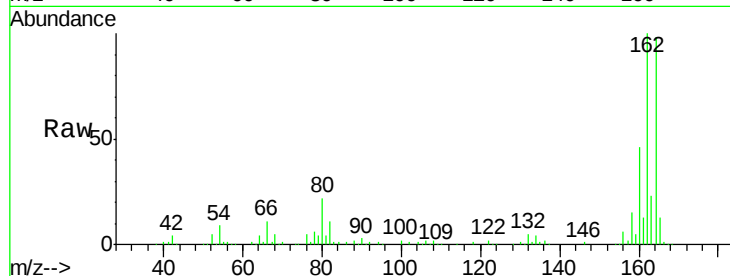
Acq: 25 Aug 2015 5:15

Instrument :

BNA_F

ClientSampleId :

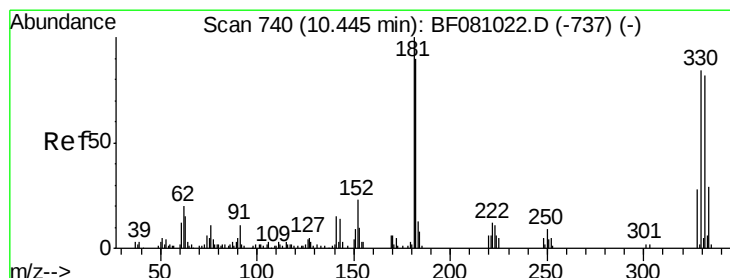
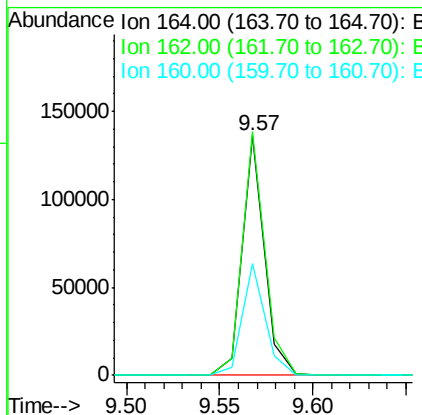
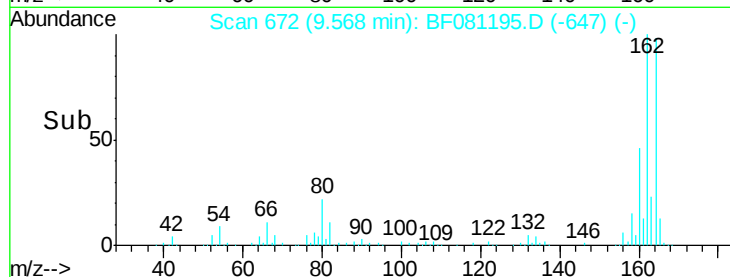
SS-01



Tgt Ion:	164	Resp:	112794
Ion Ratio	Lower	Upper	
164	100		
162	101.7	83.8	125.8
160	46.5	39.8	59.8

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#41

2,4,6-Tribromophenol

Concen: 4.77 ng

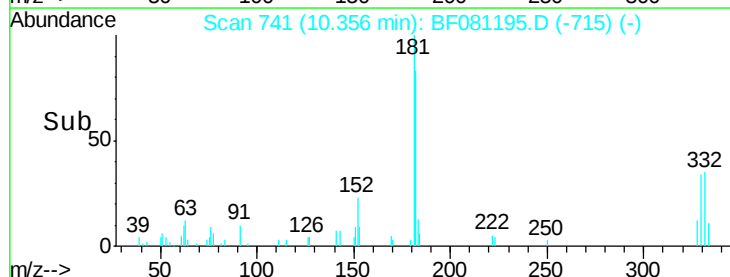
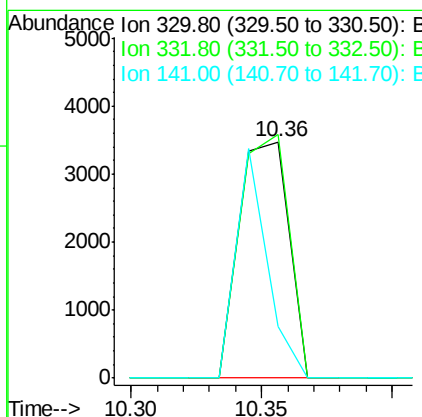
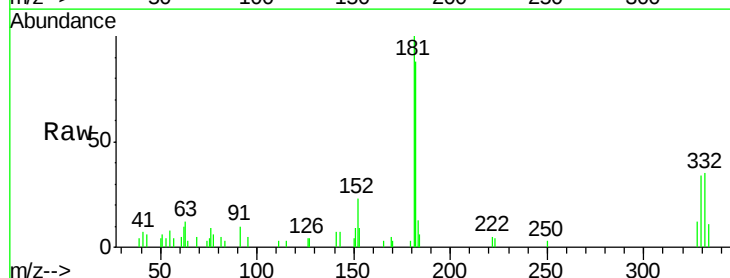
RT: 10.36 min Scan# 741

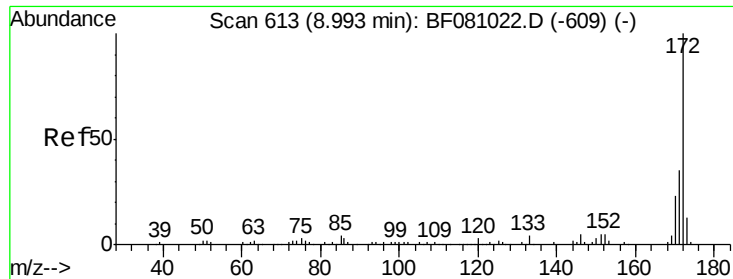
Delta R.T. 0.00 min

Lab File: BF081195.D

Acq: 25 Aug 2015 5:15

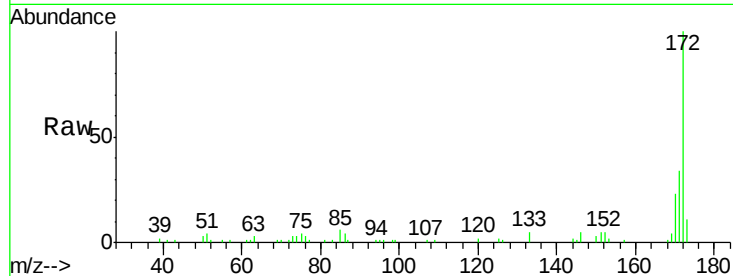
Tgt Ion:	330	Resp:	4668
Ion Ratio	Lower	Upper	
330	100		
332	101.1	77.3	115.9
141	60.8	44.9	67.3





#44
 2-Fluorobiphenyl
 Concen: 4.13 ng
 RT: 8.90 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF081195.D
 Acq: 25 Aug 2015 5:15

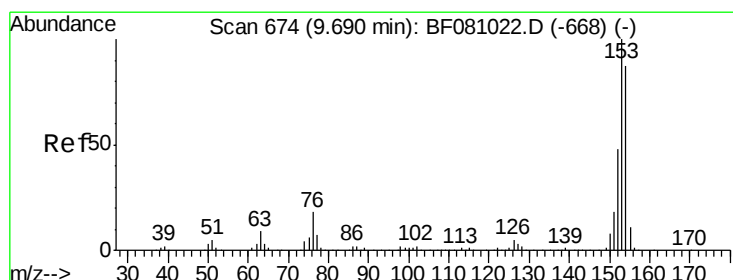
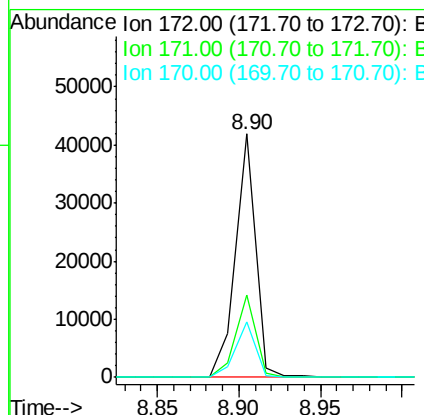
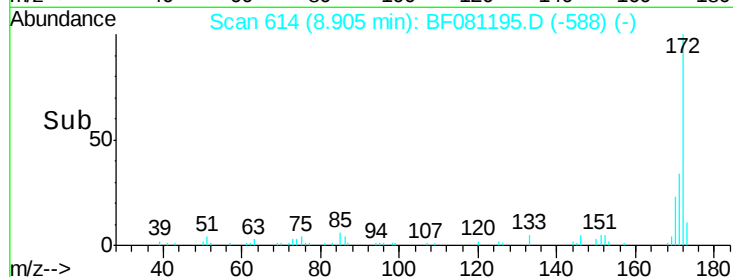
Instrument :
 BNA_F
 ClientSampled :
 SS-01



Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	28.9	43.3
170	22.6	19.4	29.2

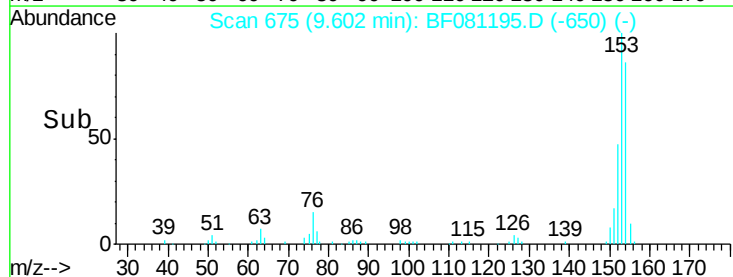
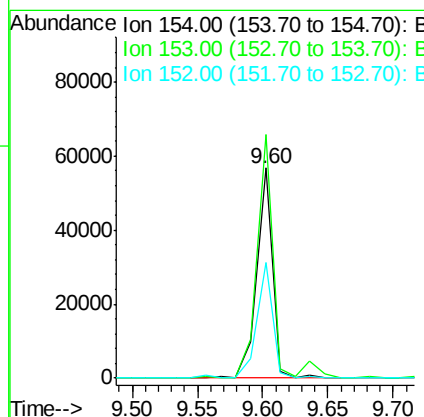
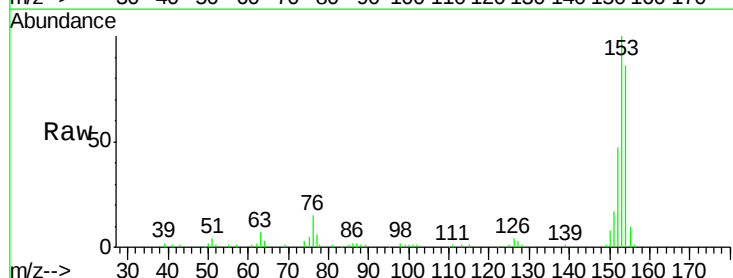
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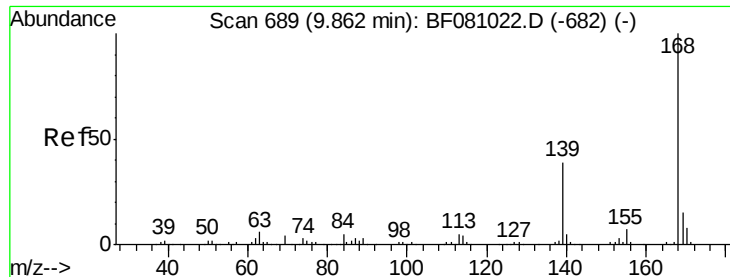
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#51
 Acenaphthene
 Concen: 5.59 ng
 RT: 9.60 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF081195.D
 Acq: 25 Aug 2015 5:15

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.1	91.4	137.2
152	54.9	43.7	65.5





#54

Dibenzofuran

Concen: 4.16 ng

RT: 9.77 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF081195.D

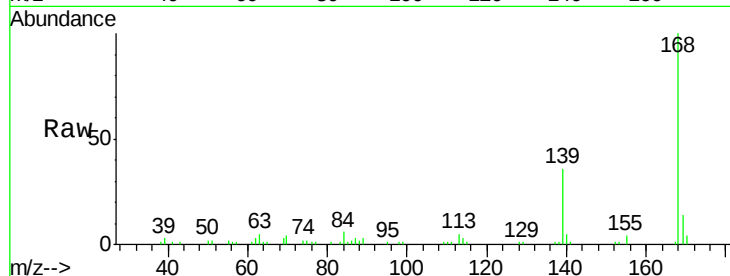
Acq: 25 Aug 2015 5:15

Instrument :

BNA_F

ClientSampleId :

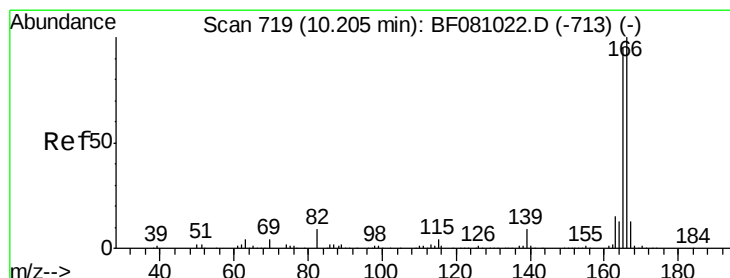
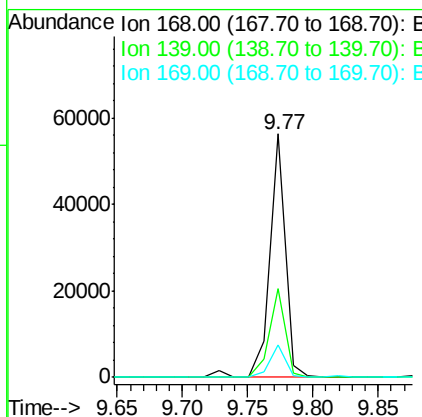
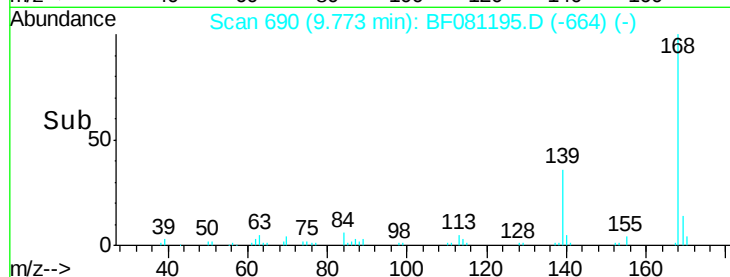
SS-01



Tgt Ion:	168	Resp:	47676
Ion Ratio	Lower	Upper	
168	100		
139	36.4	29.3	43.9
169	13.6	10.3	15.5

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#57

Fluorene

Concen: 7.61 ng

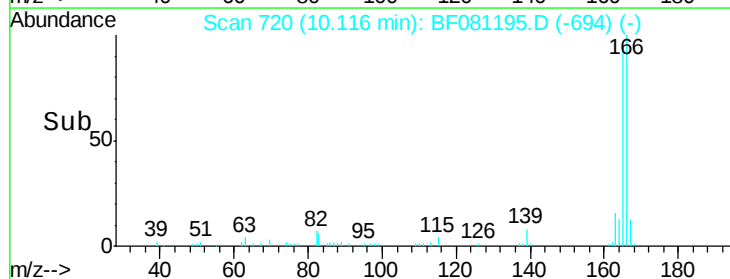
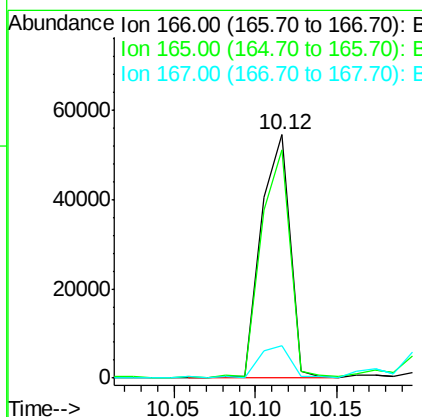
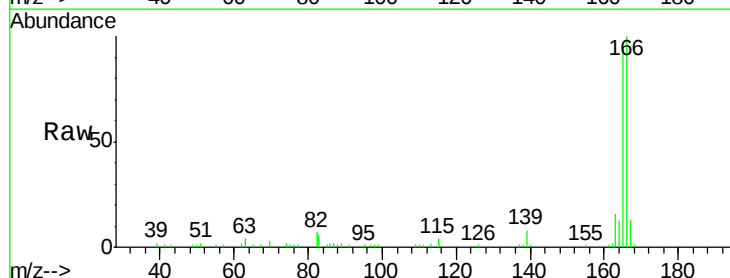
RT: 10.12 min Scan# 720

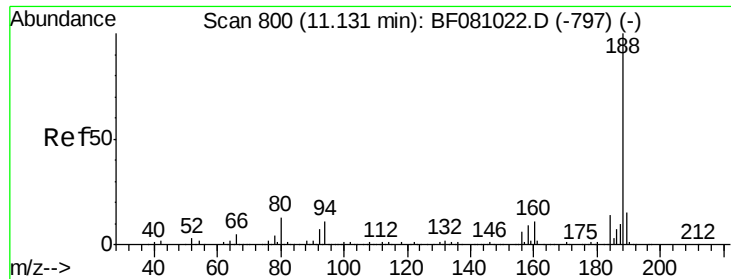
Delta R.T. 0.00 min

Lab File: BF081195.D

Acq: 25 Aug 2015 5:15

Tgt Ion:	166	Resp:	67018
Ion Ratio	Lower	Upper	
166	100		
165	93.5	75.8	113.8
167	13.3	11.3	16.9





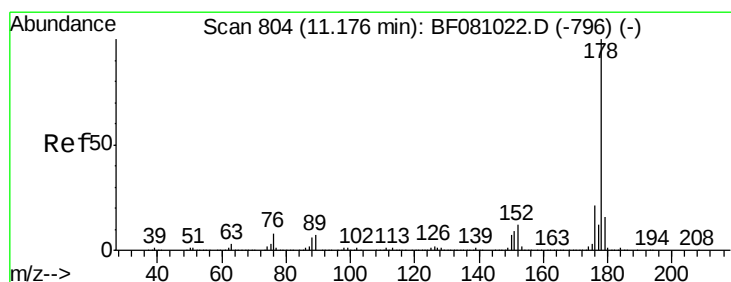
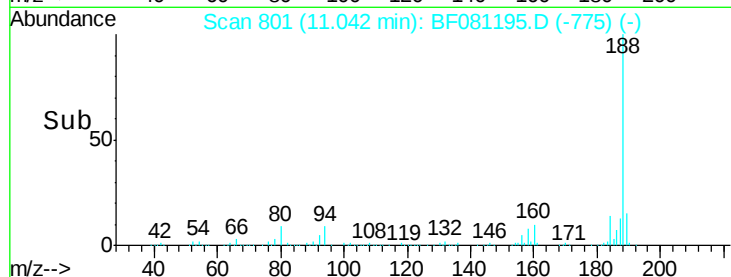
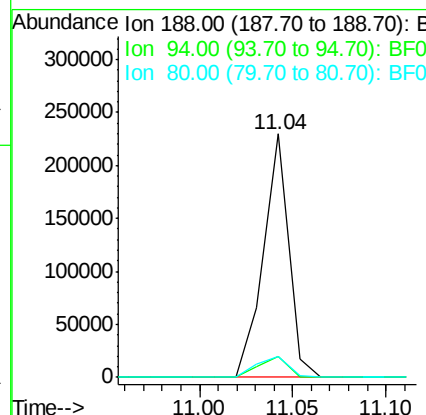
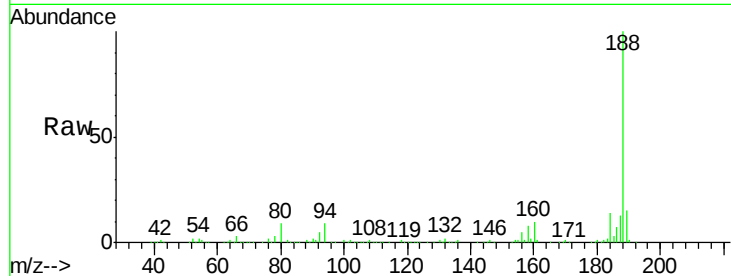
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.04 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Instrument :
BNA_F
ClientSampleId :
SS-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.6	8.2	12.2
80	8.7	9.5	14.3

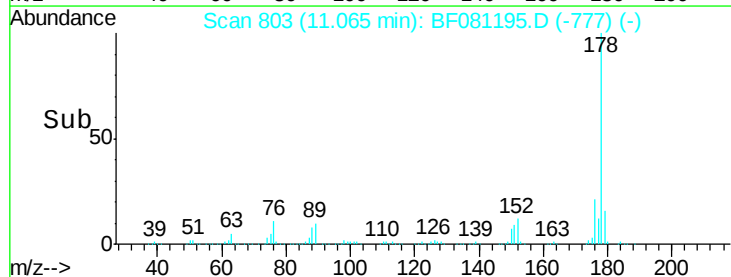
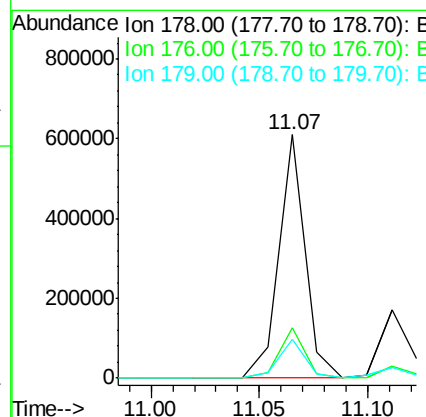
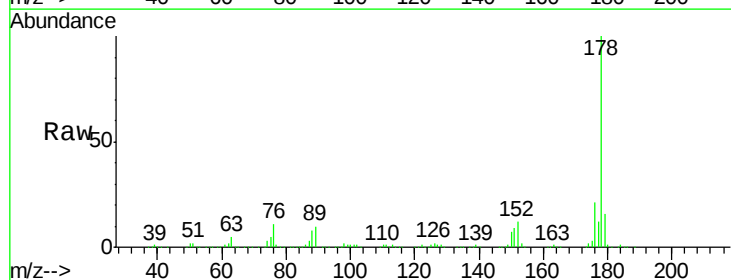
Manual Integrations
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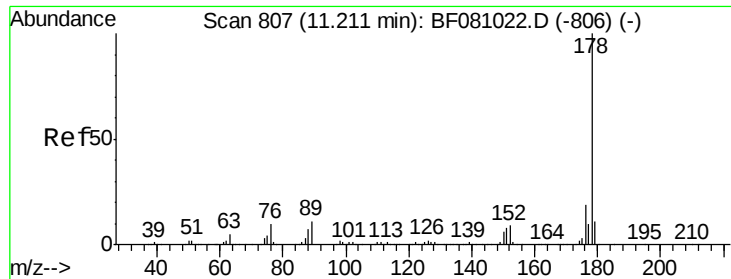
MMDadoda
8/25/2015 12:39:34 PM



#70
Phenanthrene
Concen: 40.54 ng
RT: 11.07 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.6	15.7	23.5
179	15.8	12.2	18.2





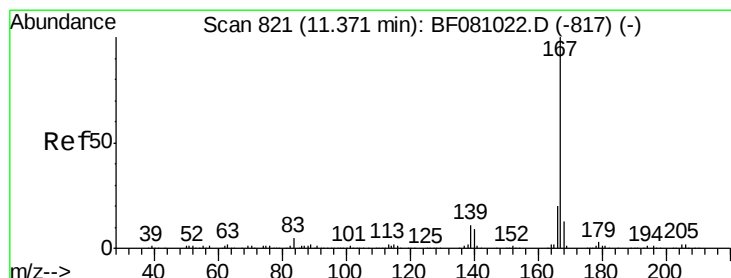
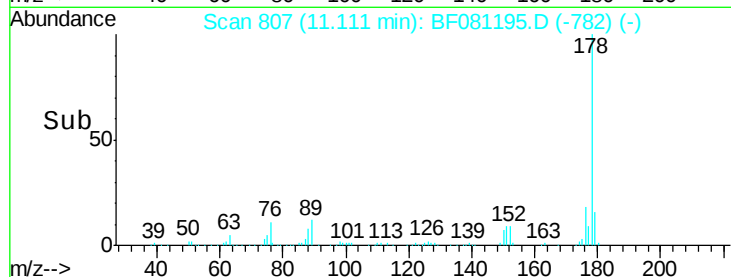
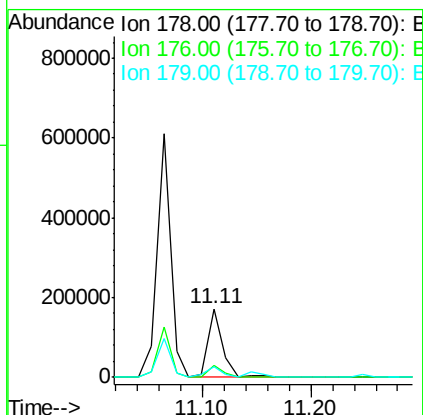
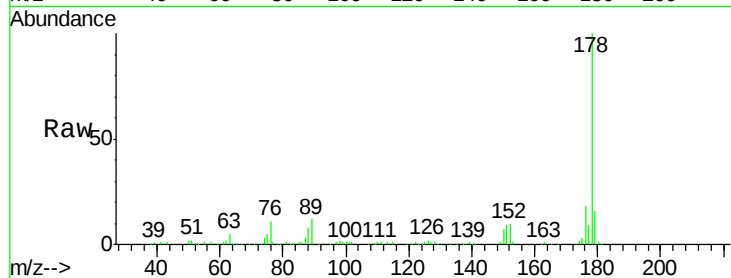
#71
 Anthracene
 Concen: 13.24 ng
 RT: 11.11 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF081195.D
 Acq: 25 Aug 2015 5:15

Instrument :
 BNA_F
 ClientSampled :
 SS-01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.7	23.5
179	16.0	12.7	19.1

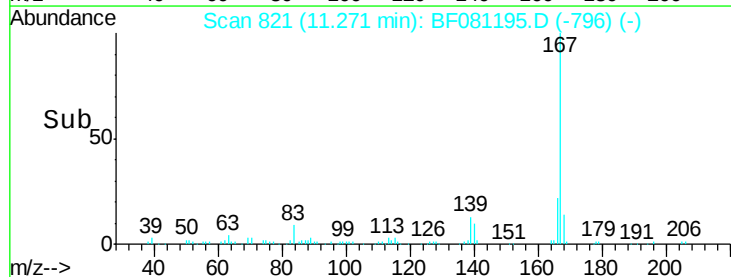
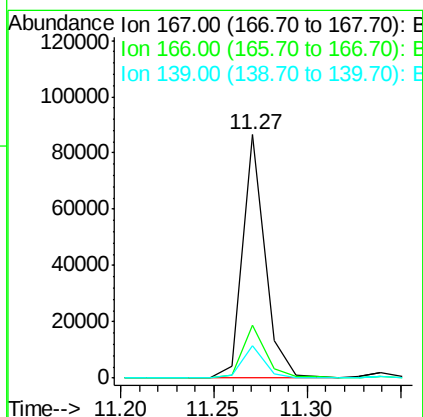
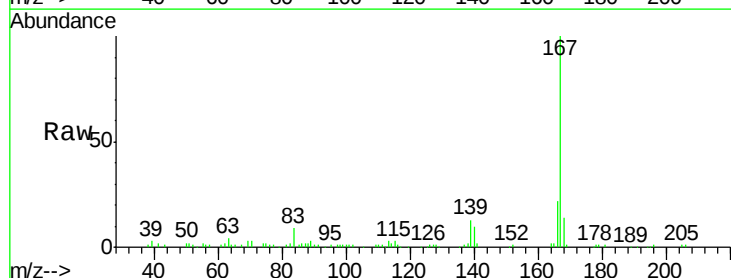
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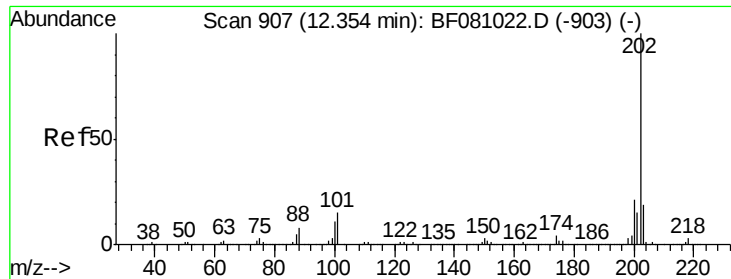
MMDadoda
 8/25/2015 12:39:34 PM



#72
 Carbazole
 Concen: 6.07 ng
 RT: 11.27 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF081195.D
 Acq: 25 Aug 2015 5:15

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.0
139	13.2	10.6	16.0





#74

Fluoranthene

Concen: 54.11 ng

RT: 12.24 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF081195.D

Acq: 25 Aug 2015 5:15

Instrument :

BNA_F

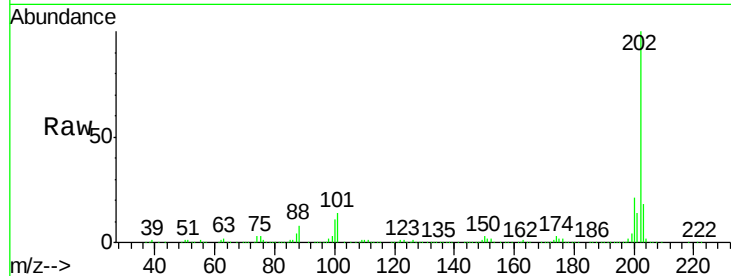
ClientSampleId :

SS-01

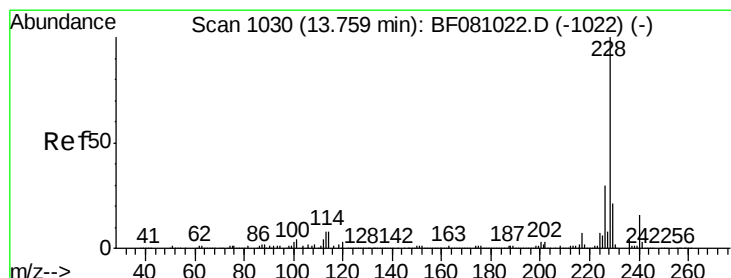
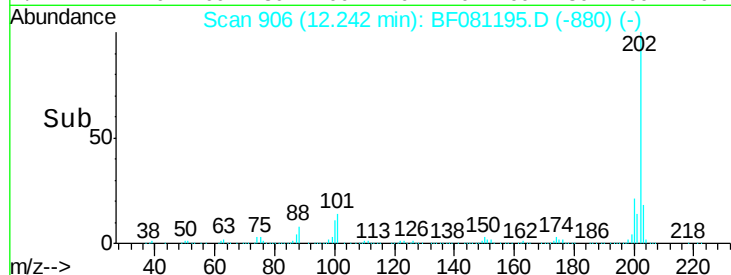
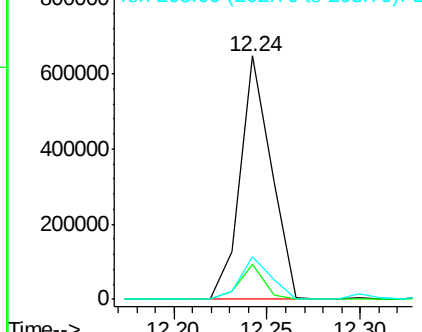
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		745259		
101	14.4	0.0	24.8		
203	17.8	0.0	36.9		

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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

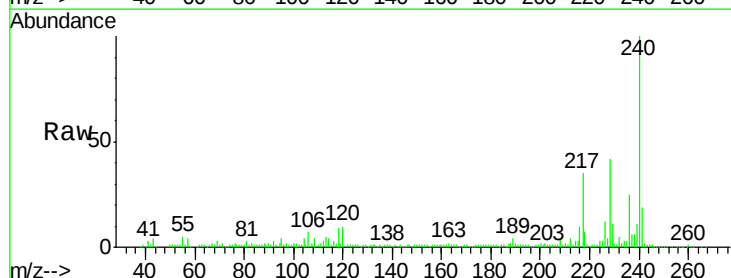
RT: 13.66 min Scan# 1030

Delta R.T. 0.00 min

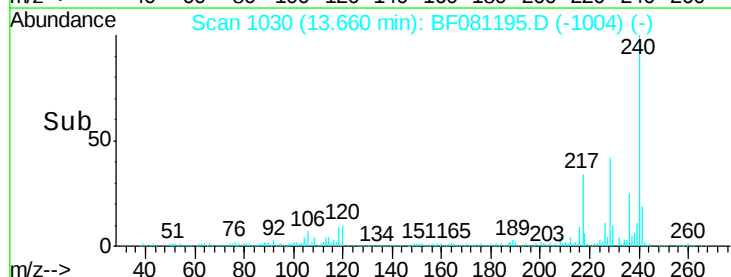
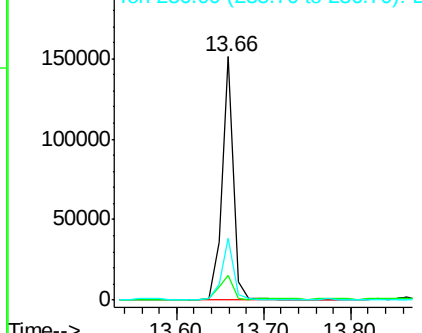
Lab File: BF081195.D

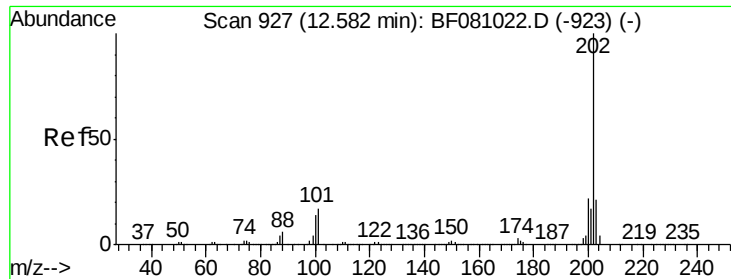
Acq: 25 Aug 2015 5:15

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		141511		
120	10.1	5.6	8.4#		
236	25.4	20.6	30.8		



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





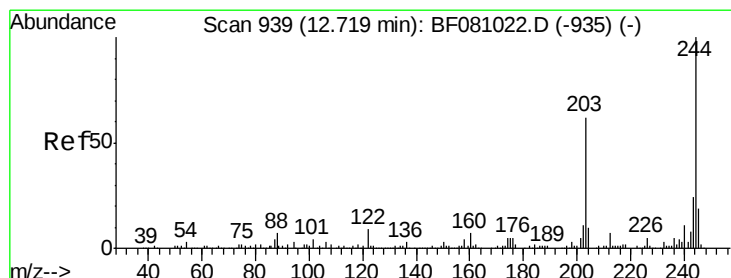
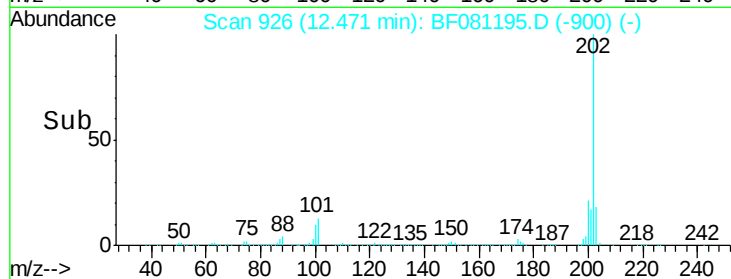
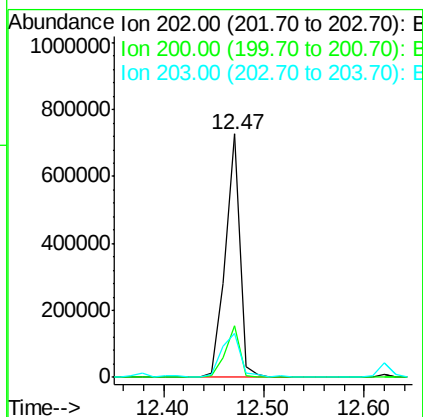
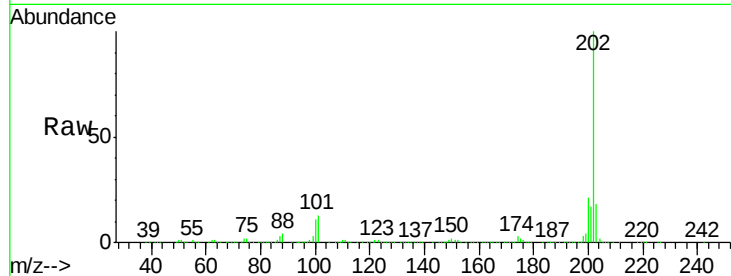
#77
 Pyrene
 Concen: 63.22 ng
 RT: 12.47 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: BF081195.D
 Acq: 25 Aug 2015 5:15

Instrument :
 BNA_F
 ClientSampled :
 SS-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.0	16.6	24.8
203	18.2	14.1	21.1

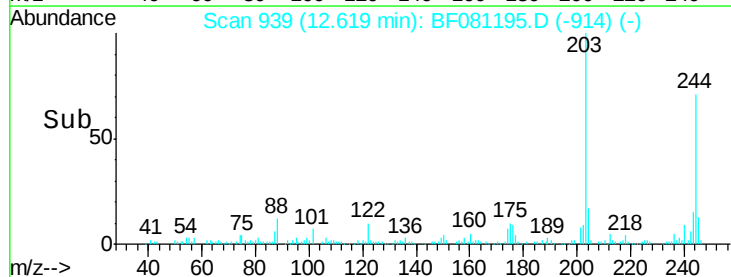
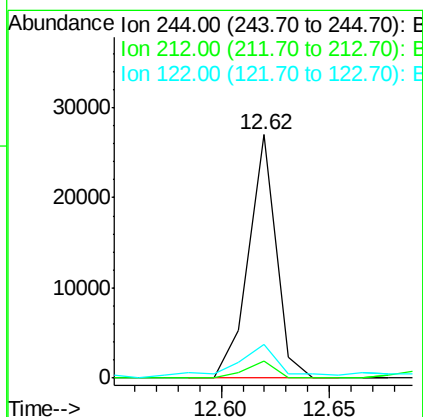
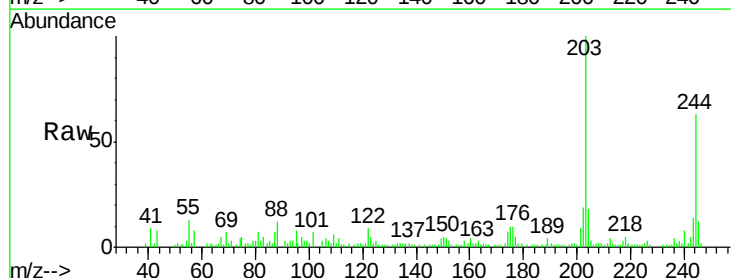
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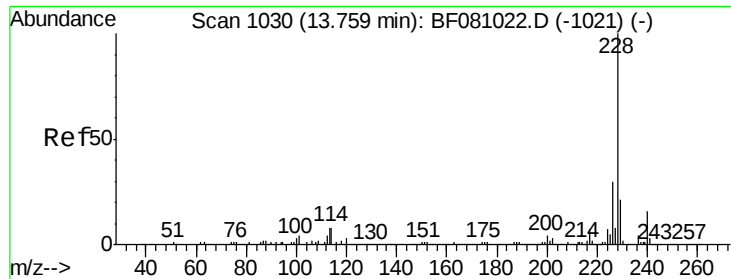
MMDadoda
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#78
 Terphenyl-d14
 Concen: 3.60 ng
 RT: 12.62 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: BF081195.D
 Acq: 25 Aug 2015 5:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.1	5.8	8.8
122	13.9	8.2	12.4#





#80

Benzo(a)anthracene

Concen: 38.69 ng

RT: 13.65 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF081195.D

Acq: 25 Aug 2015 5:15

Instrument :

BNA_F

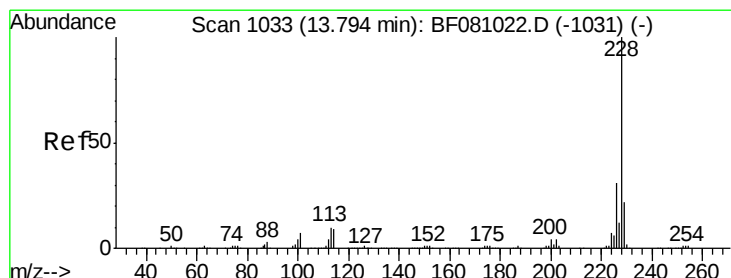
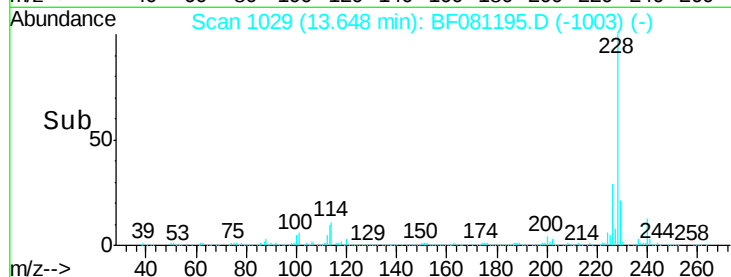
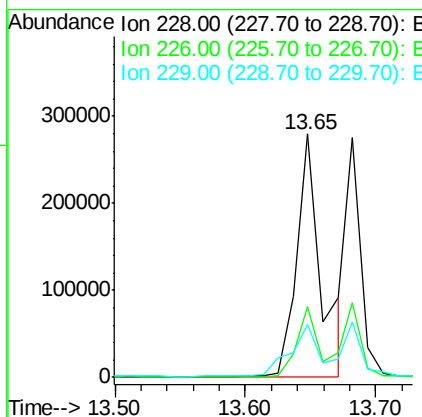
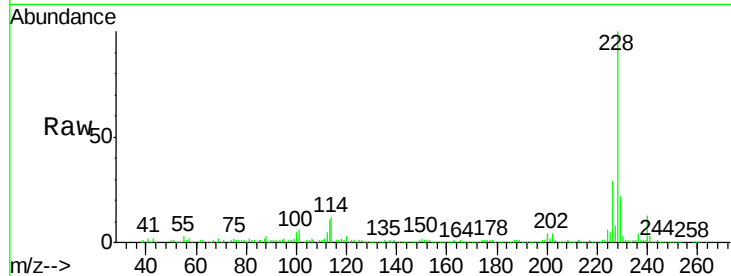
ClientSampleId :

SS-01

Tgt Ion:	228	Resp:	367170
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.3	33.5
229	21.6	15.9	23.9

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#82

Chrysene

Concen: 25.63 ng m

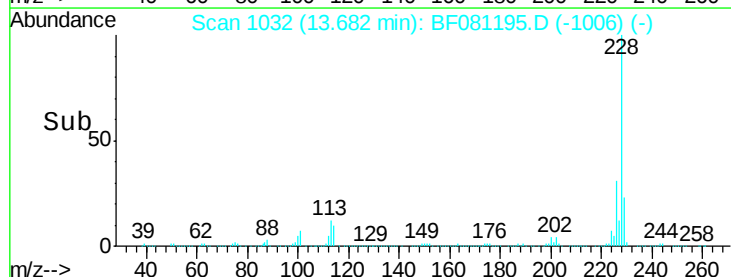
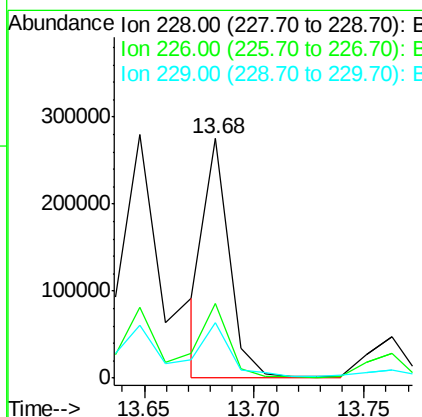
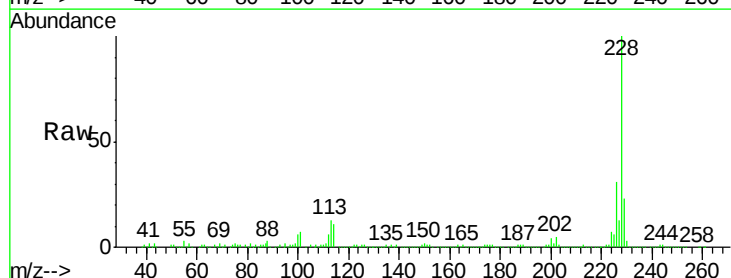
RT: 13.68 min Scan# 1032

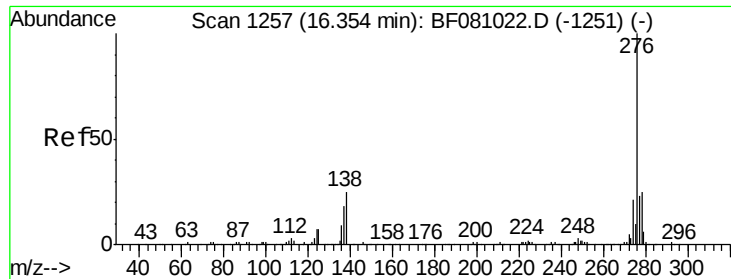
Delta R.T. 0.00 min

Lab File: BF081195.D

Acq: 25 Aug 2015 5:15

Tgt Ion:	228	Resp:	219209
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.4	36.6
229	23.2	16.0	24.0





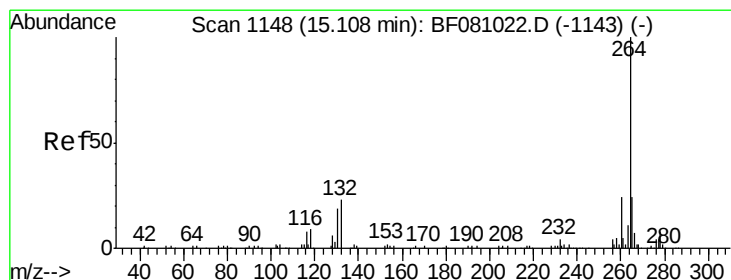
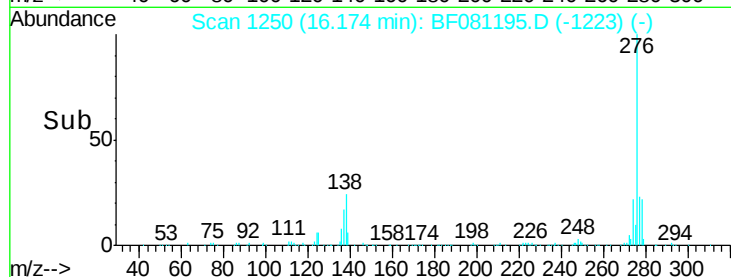
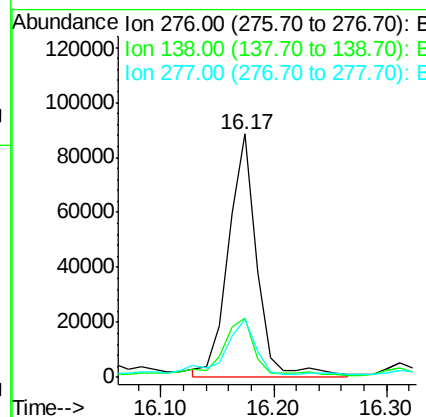
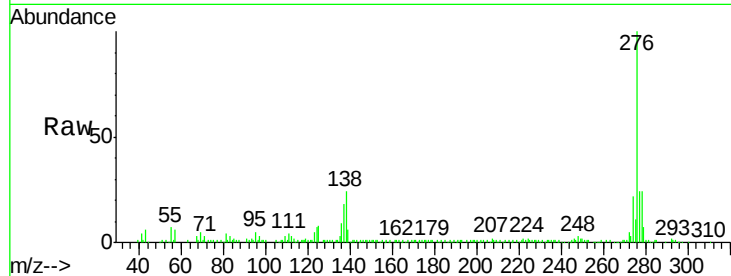
#85
Indeno(1,2,3-cd)pyrene
Concen: 26.28 ng m
RT: 16.17 min Scan# 1250
Delta R.T. 0.01 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Instrument :
BNA_F
ClientSampleId :
SS-01

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	5.3	18.6	28.0#
277	4.2	19.8	29.8#

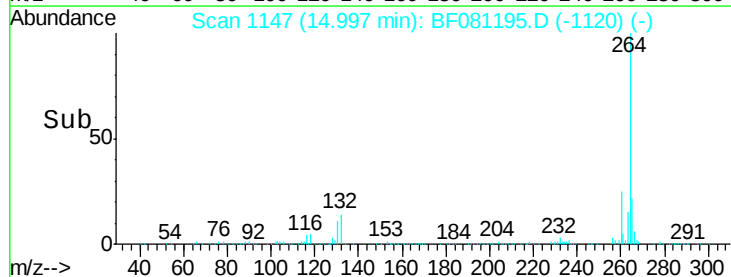
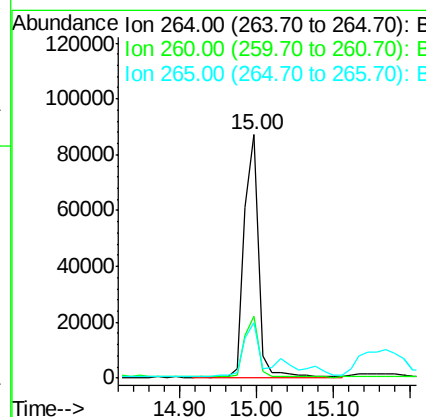
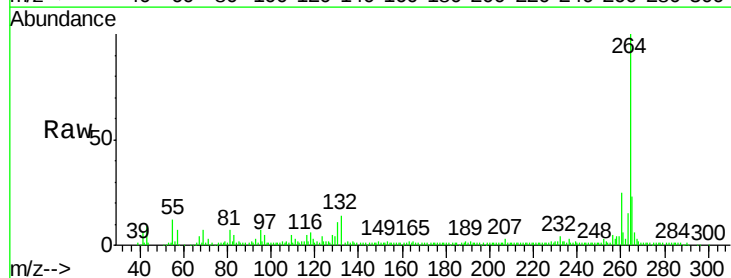
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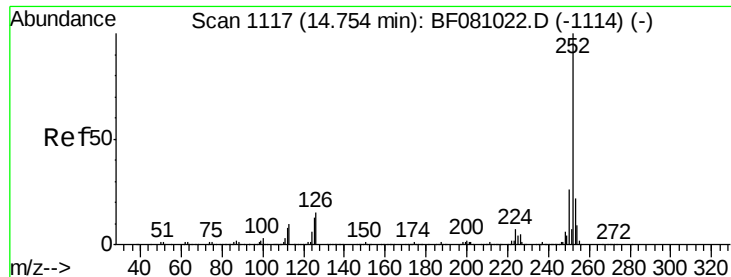
MMDadoda
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.00 min Scan# 1147
Delta R.T. 0.01 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	25.3	19.6	29.4
265	22.8	17.5	26.3





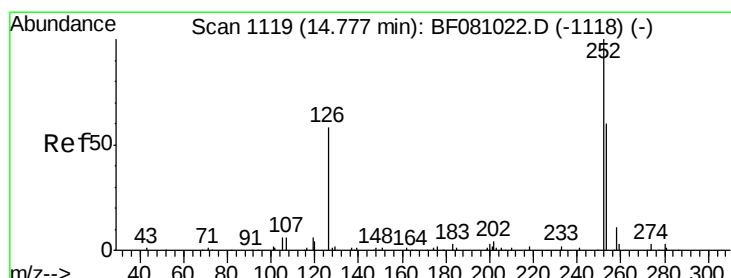
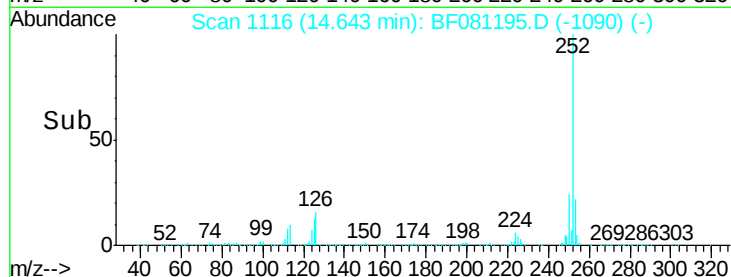
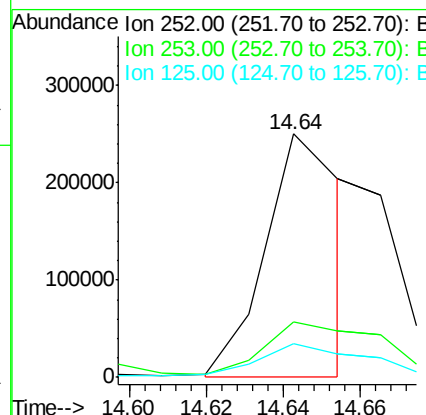
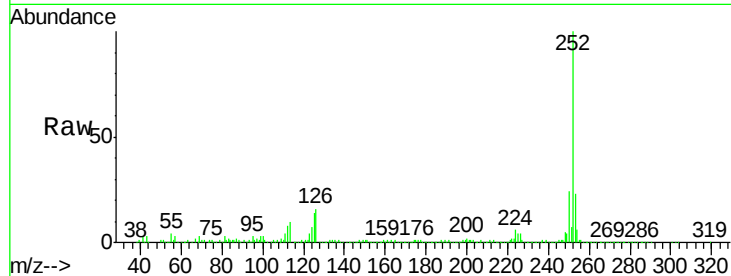
#87
Benzo(b)fluoranthene
Concen: 42.80 ng m
RT: 14.64 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Instrument :
BNA_F
ClientSampleId :
SS-01

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	17.1	25.7
125	13.9	8.0	12.0

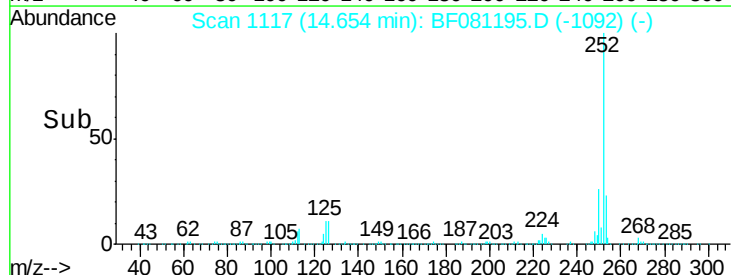
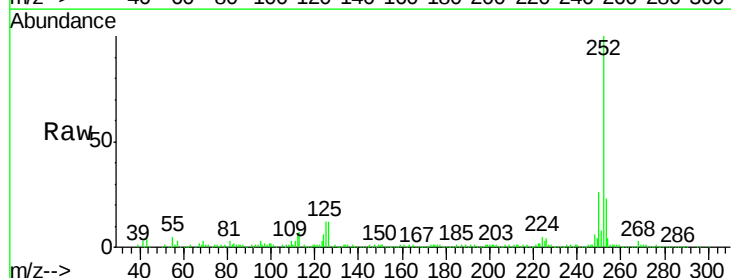
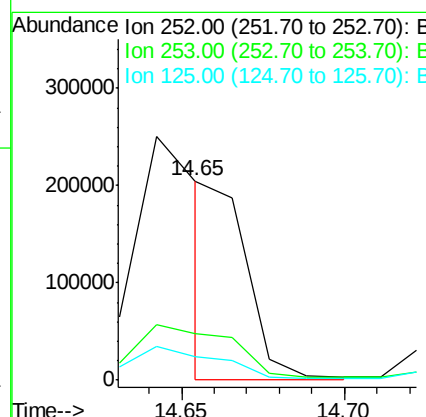
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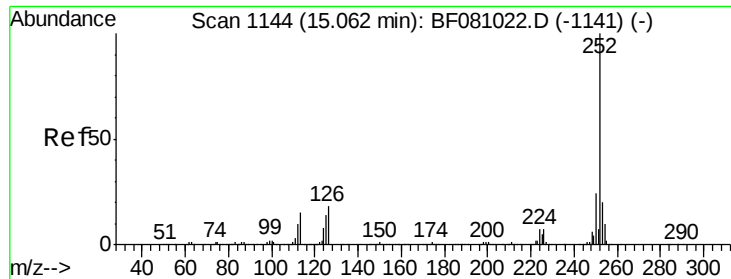
MMDadoda
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#88
Benzo(k)fluoranthene
Concen: 19.09 ng m
RT: 14.65 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	17.6	26.4
125	12.0	10.3	15.5





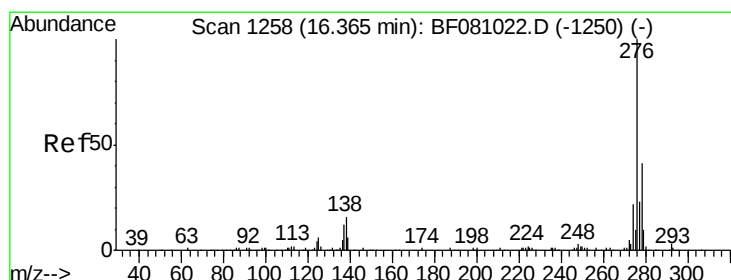
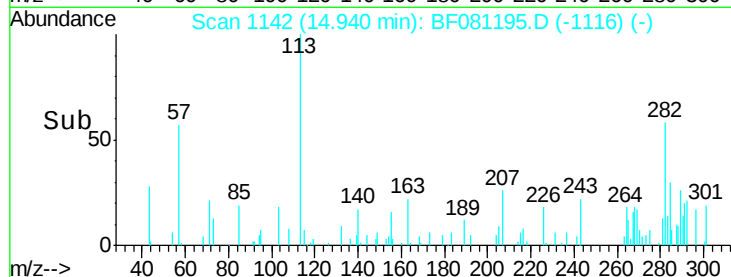
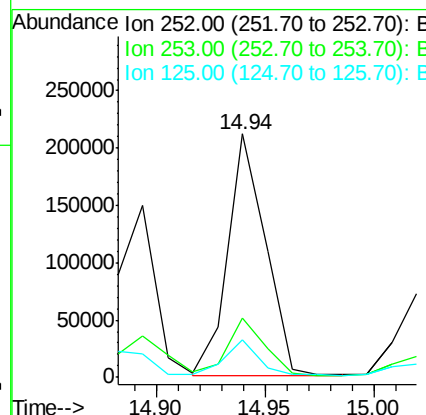
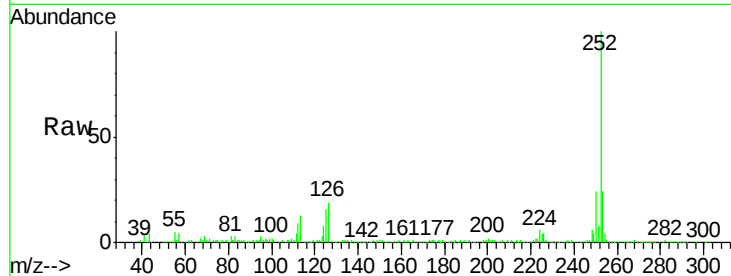
#89
Benzo(a)pyrene
Concen: 35.04 ng
RT: 14.94 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Instrument :
BNA_F
ClientSampled :
SS-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.1	16.6	25.0
125	15.6	7.8	11.8#

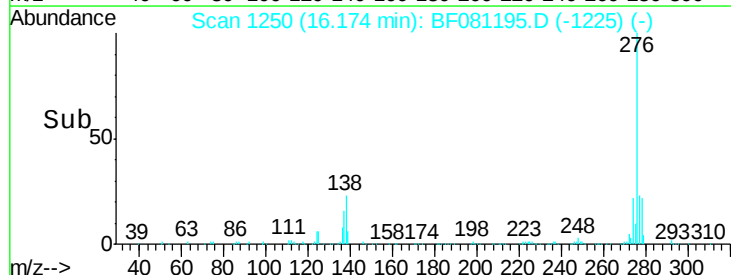
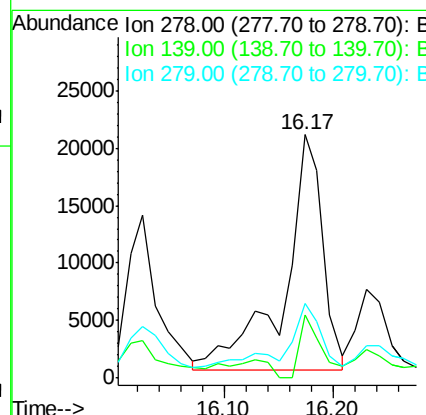
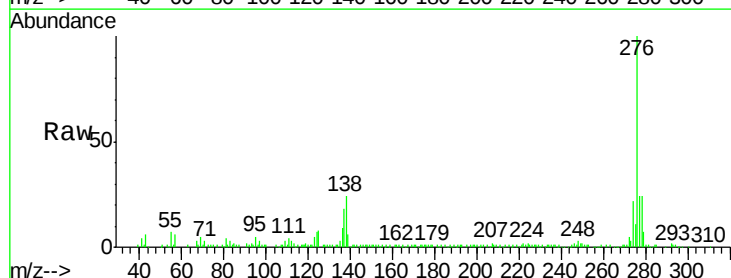
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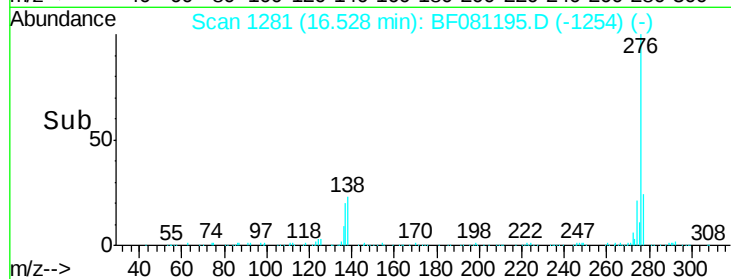
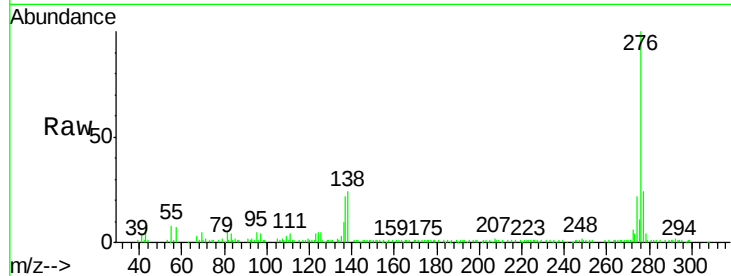
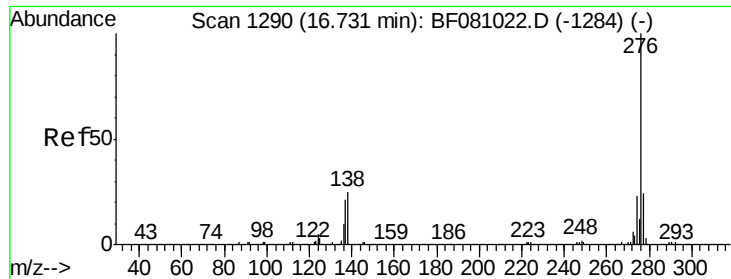
MMDadoda
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#90
Dibenzo(a,h)anthracene
Concen: 9.00 ng
RT: 16.17 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BF081195.D
Acq: 25 Aug 2015 5:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	25.7	10.8	16.2#
279	30.5	19.0	28.6#





#91
 Benzo(g,h,i)perylene
 Concen: 24.48 ng
 RT: 16.53 min Scan# 1281
 Delta R.T. 0.01 min
 Lab File: BF081195.D
 Acq: 25 Aug 2015 5:15

Instrument :
 BNA_F
 ClientSampleId :
 SS-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.2	18.2	27.2
138	23.8	13.7	20.5

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