

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
 Data File : BF090887.D
 Acq On : 28 Oct 2016 00:41
 Operator : UM/SJ
 Sample : H5423-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2COMP(0-16FEET)

Manual Integrations
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Quant Time: Oct 28 01:55:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 27 18:46:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	139796	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	536219	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	256978	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	329432	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	330985	20.00	ng	-0.01
86) Perylene-d12	15.35	264	335294	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1228771	153.68	ng	0.01
7) Phenol-d6	6.42	99	1403851	130.14	ng	0.00
23) Nitrobenzene-d5	7.34	82	914839	111.69	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	291146	110.25	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1205058	82.34	ng	-0.01
78) Terphenyl-d14	12.89	244	880309	67.01	ng	-0.01
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.20	107	109287	12.58	ng	88
31) Naphthalene	8.09	128	74481	2.97	ng	99
49) Dimethylphthalate	9.54	163	572065	33.32	ng	# 98
51) Acenaphthene	9.85	154	36352	2.48	ng	90
57) Fluorene	10.36	166	33512	2.16	ng	90
70) Phenanthrene	11.32	178	334400	19.93	ng	97
71) Anthracene	11.37	178	71633	4.06	ng	98
72) Carbazole	11.53	167	33220	2.13	ng	# 93
74) Fluoranthene	12.51	202	324568	17.67	ng	96
77) Pyrene	12.74	202	311611	14.88	ng	97
80) Benzo(a)anthracene	13.93	228	170298	9.69	ng	93
82) Chrysene	13.96	228	142609m	8.03	ng	
85) Indeno(1,2,3-cd)pyrene	16.69	276	76166	4.84	ng	# 85
87) Benzo(b)fluoranthene	14.95	252	197331m	8.75	ng	
88) Benzo(k)fluoranthene	14.96	252	80250m	4.50	ng	
89) Benzo(a)pyrene	15.29	252	151428	7.82	ng	# 86
91) Benzo(a,h,i)perylene	17.11	276	71095	4.60	ng	# 77

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

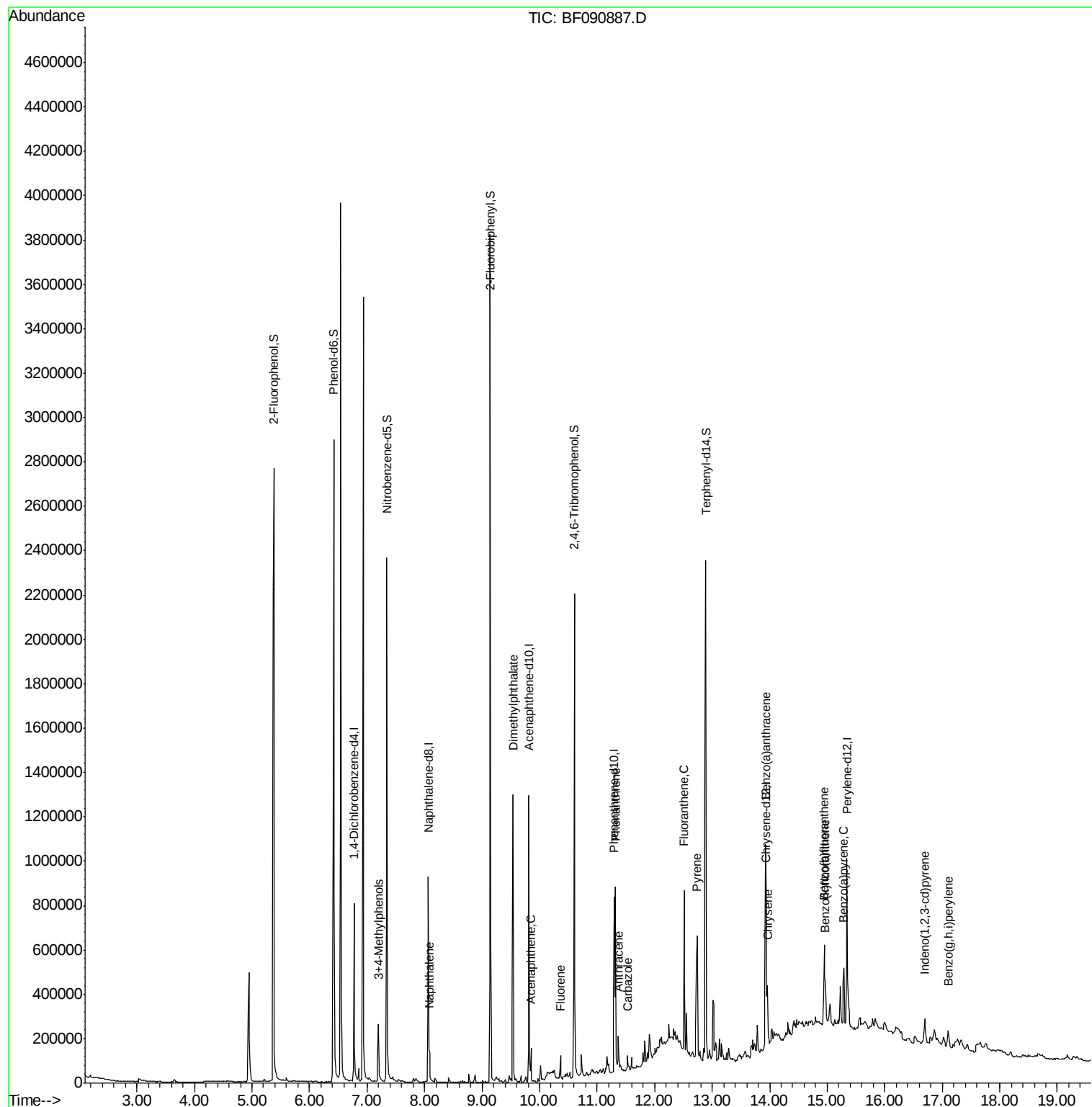
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
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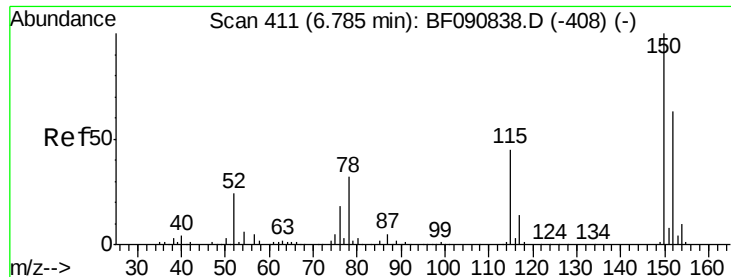
Instrument :
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SB-2COMP(0-16FEET)

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Quant Time: Oct 28 01:55:36 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
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#1

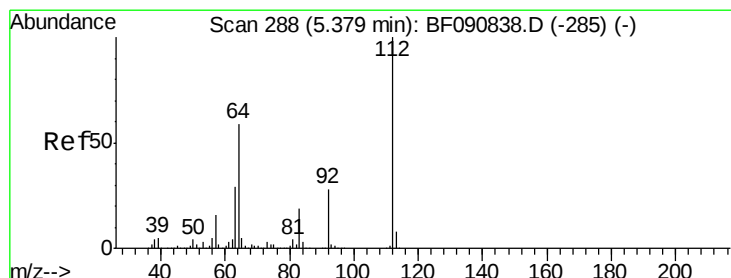
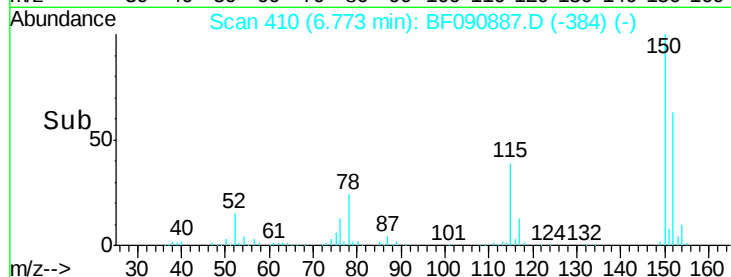
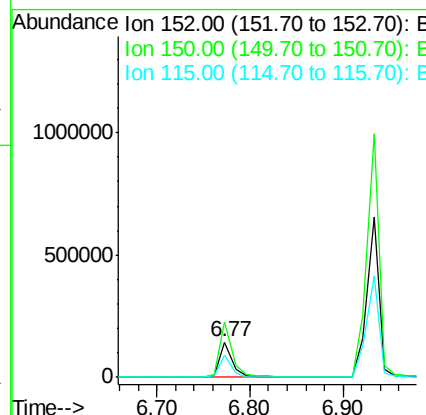
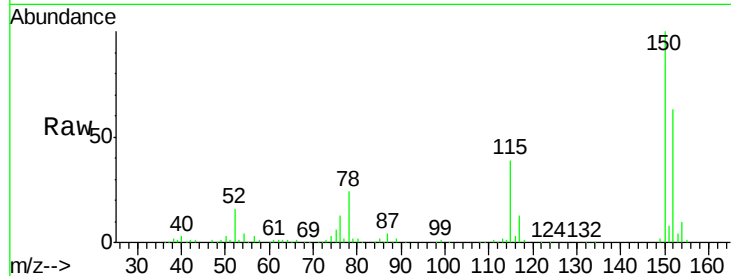
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.00 min
Lab File: BF090887.D
Acq: 28 Oct 2016 00:41

Instrument :
BNA_F
ClientSampleId :
SB-2COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.7	187.1
115	61.7	39.0	58.4

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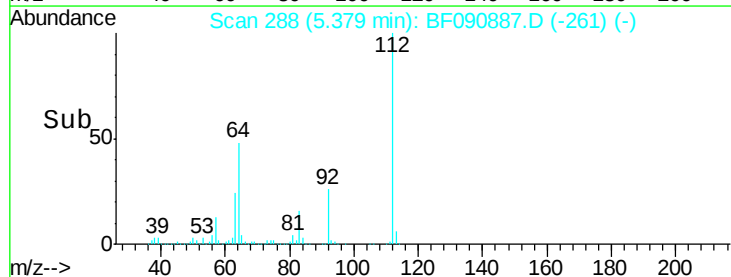
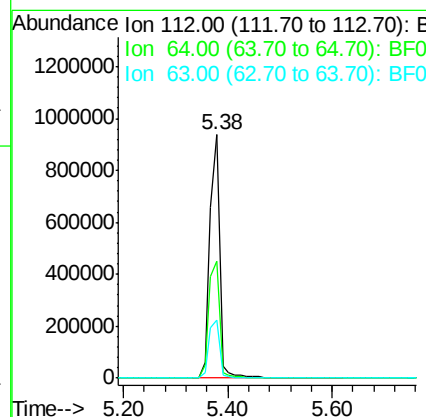
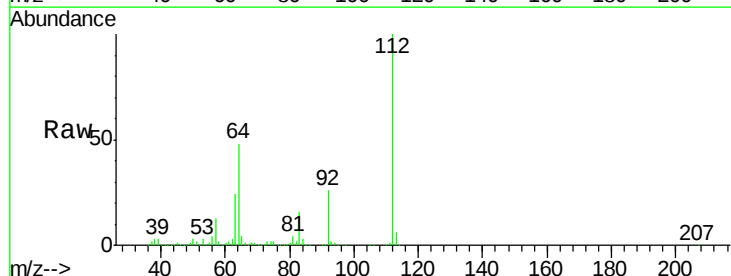
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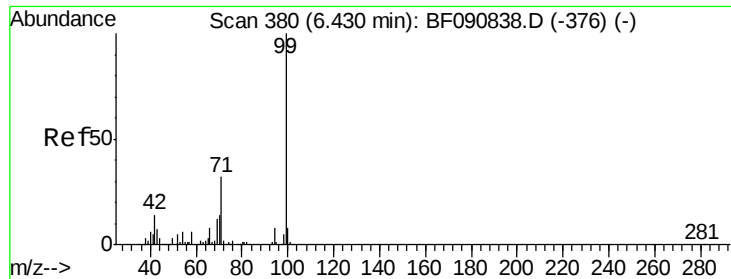


#5

2-Fluorophenol
Concen: 153.68 ng
RT: 5.38 min Scan# 288
Delta R.T. 0.01 min
Lab File: BF090887.D
Acq: 28 Oct 2016 00:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.0	39.7	59.5
63	23.7	17.4	26.0





#7

Phenol-d6

Concen: 130.14 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.00 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Instrument :

BNA_F

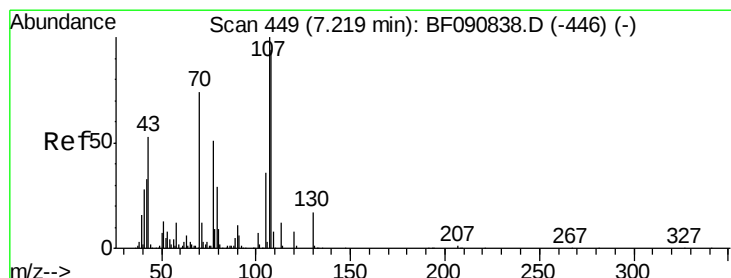
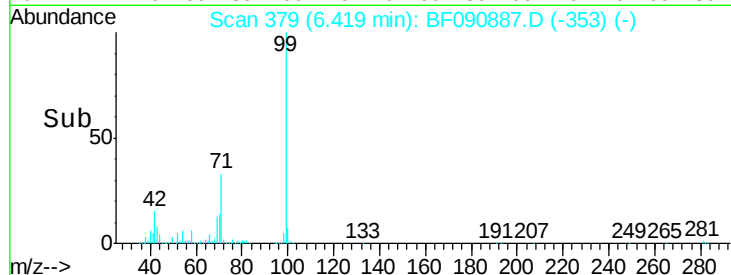
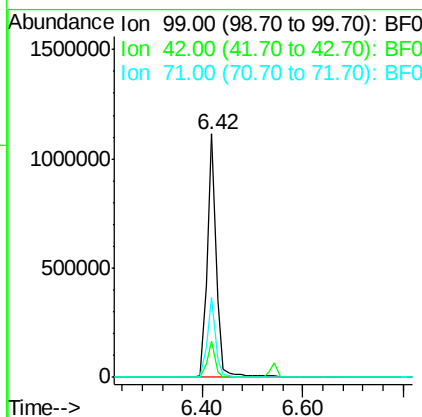
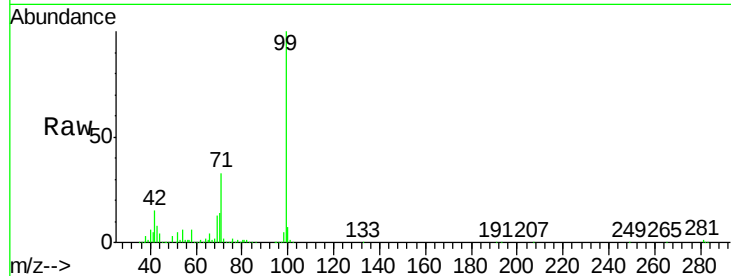
ClientSampleId :

SB-2COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
99	100		
42	14.9	13.7	20.5
71	32.8	14.2	21.2

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#20

3+4-Methylphenols

Concen: 12.58 ng

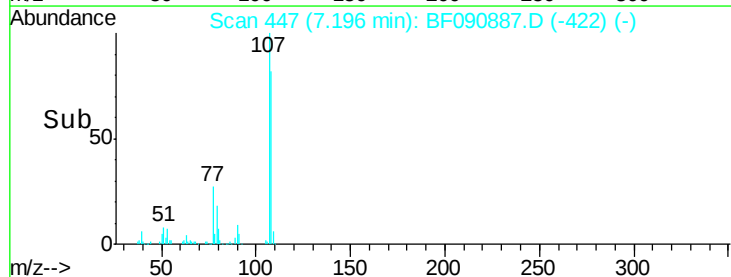
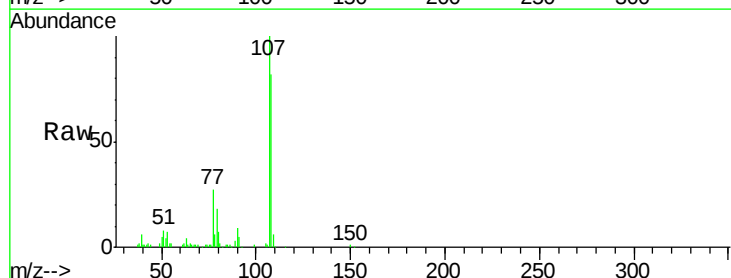
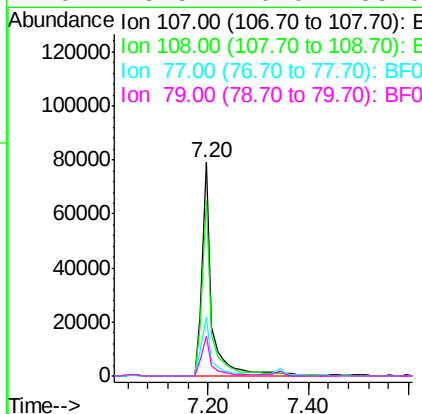
RT: 7.20 min Scan# 447

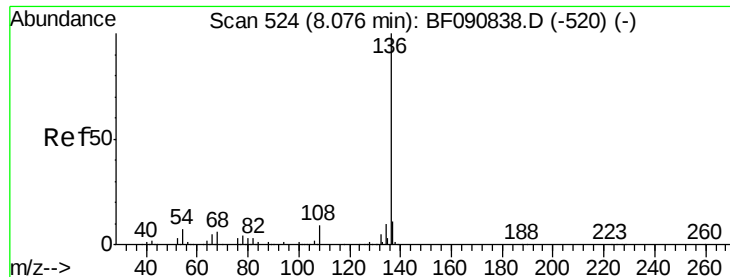
Delta R.T. -0.01 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Tgt Ion	Ratio	Lower	Upper
107	100		
108	82.0	74.6	114.6
77	27.5	0.7	40.7
79	18.5	0.0	38.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Instrument :

BNA_F

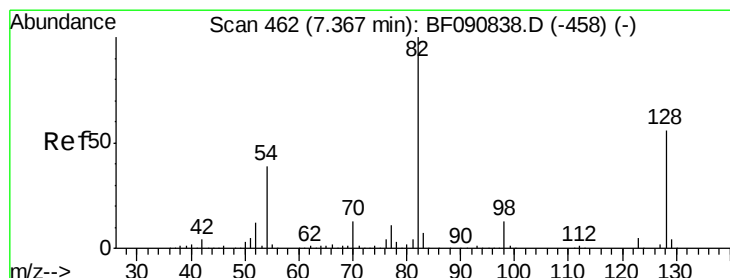
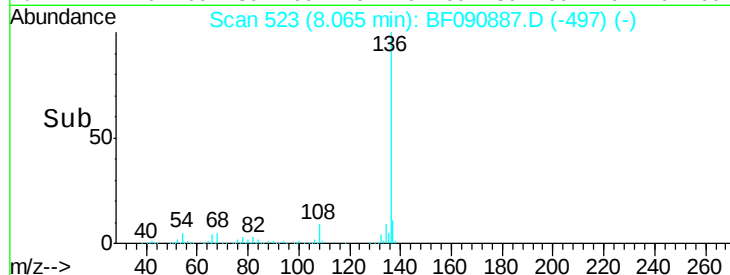
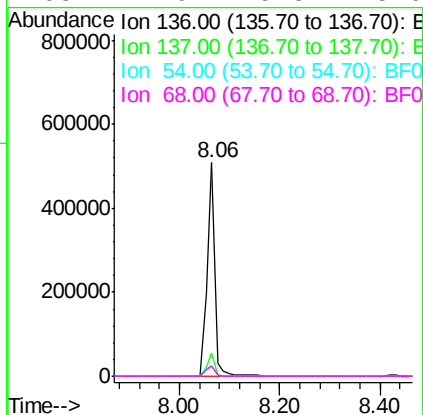
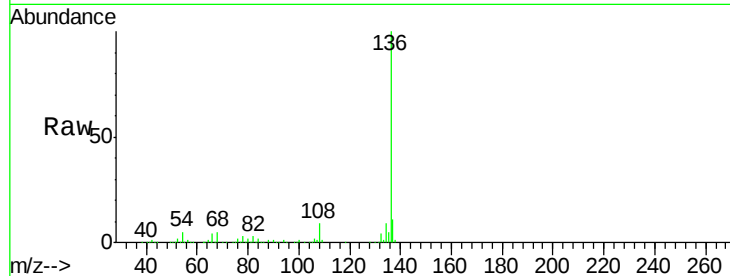
ClientSampleId :

SB-2COMP(0-16FEET)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.7		9.0	13.6	
54	4.7		8.2	12.2#	
68	4.9		5.8	8.6#	

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#23

Nitrobenzene-d5

Concen: 111.69 ng

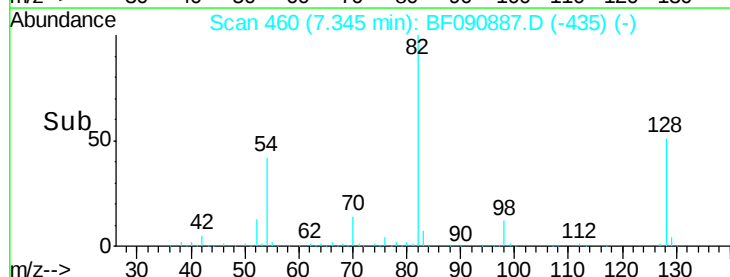
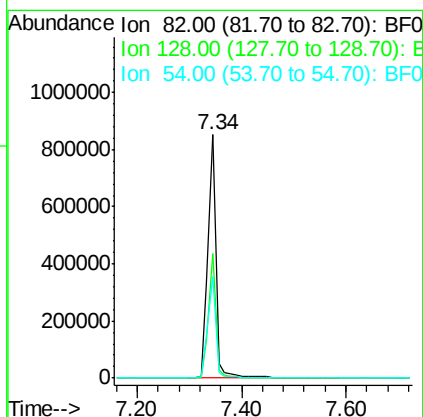
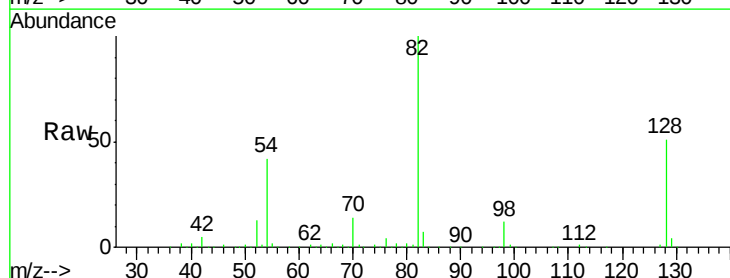
RT: 7.34 min Scan# 460

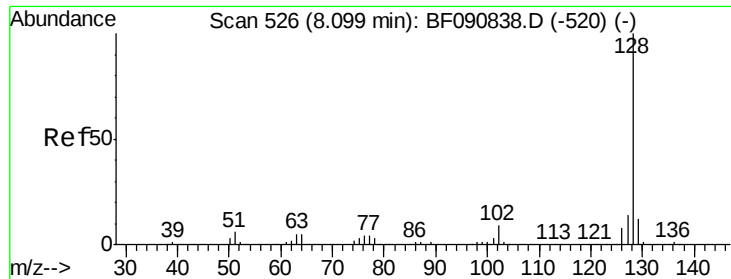
Delta R.T. -0.01 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	50.9		51.0	76.6#	
54	41.8		47.5	71.3#	





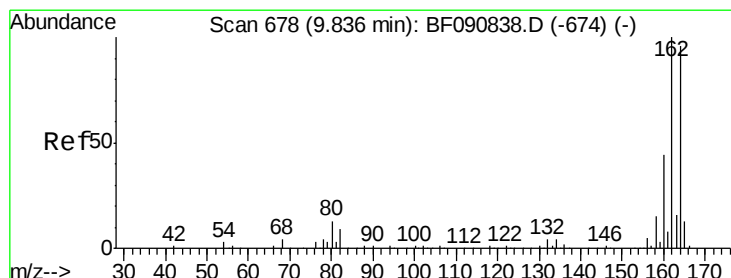
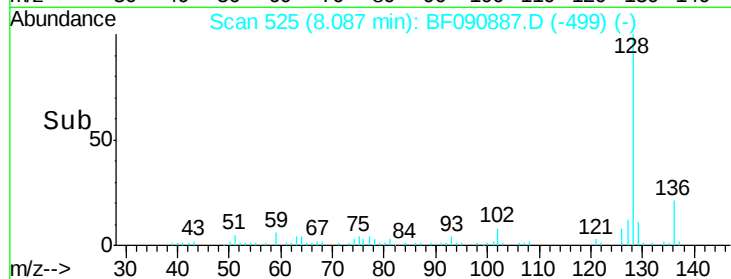
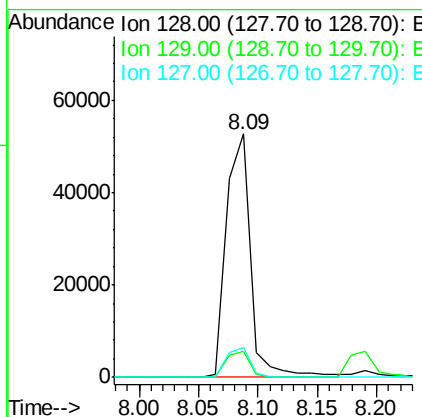
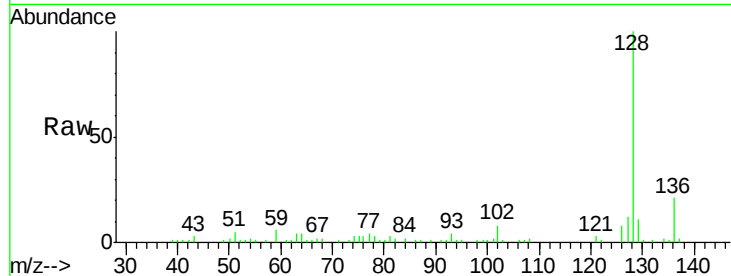
#31
Naphthalene
Concen: 2.97 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF090887.D
Acq: 28 Oct 2016 00:41

Instrument :
BNA_F
ClientSampleId :
SB-2COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.4	12.6
127	12.3	9.9	14.9

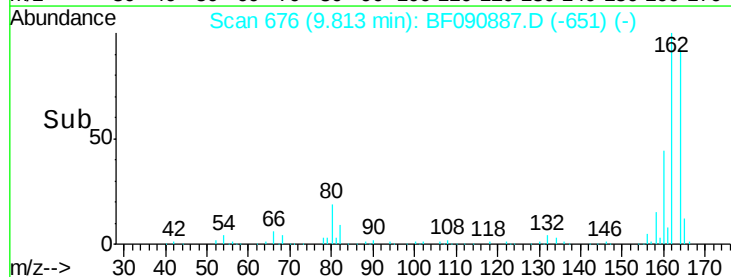
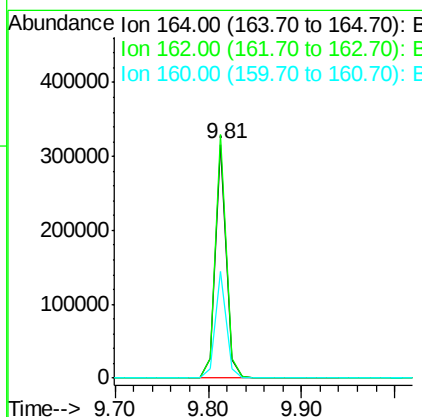
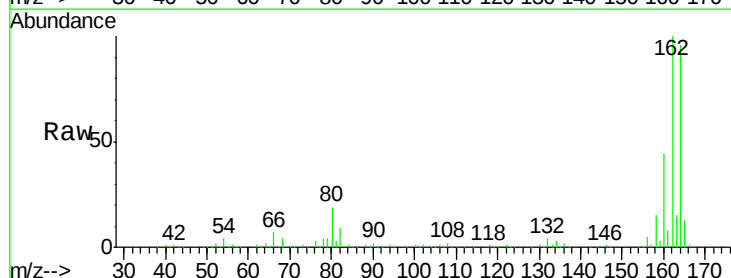
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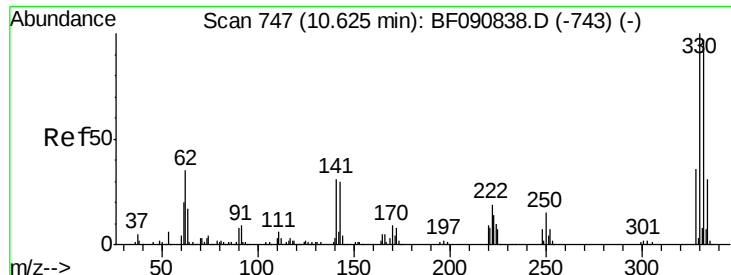
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF090887.D
Acq: 28 Oct 2016 00:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	75.2	112.8
160	45.5	31.5	47.3





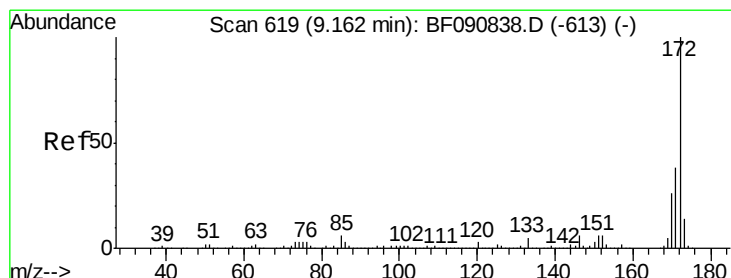
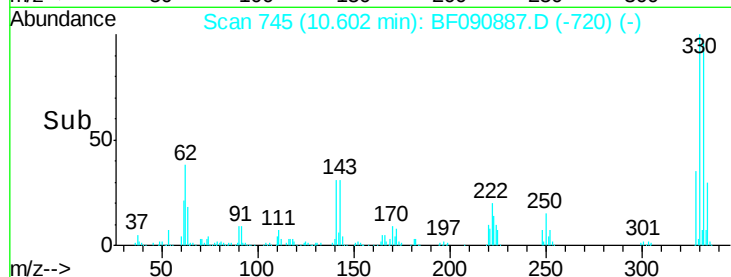
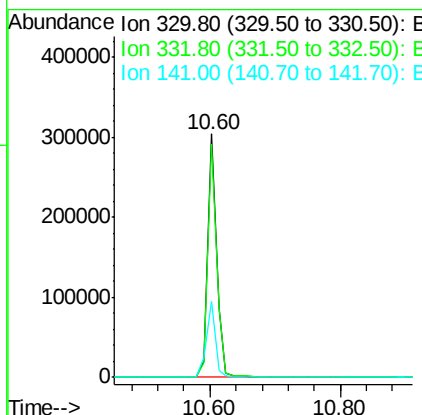
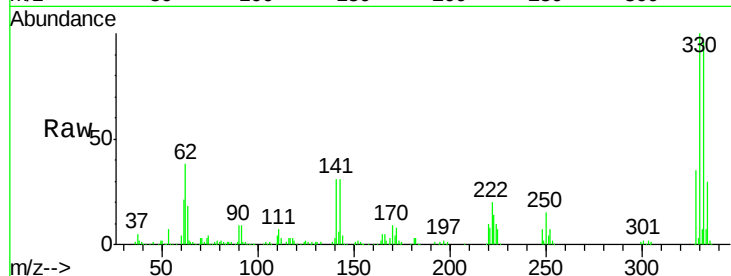
#41
 2,4,6-Tribromophenol
 Concen: 110.25 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF090887.D
 Acq: 28 Oct 2016 00:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-2COMP(0-16FEET)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	291146		
332	96.6	76.6	114.8	
141	31.5	29.7	44.5	

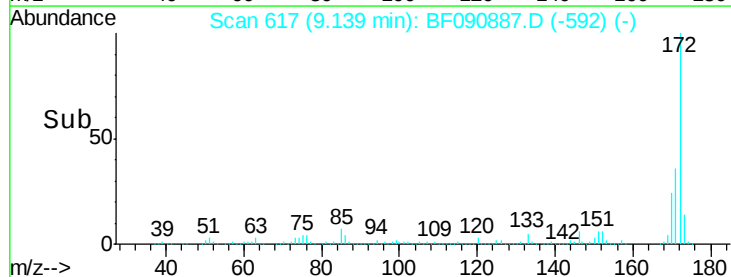
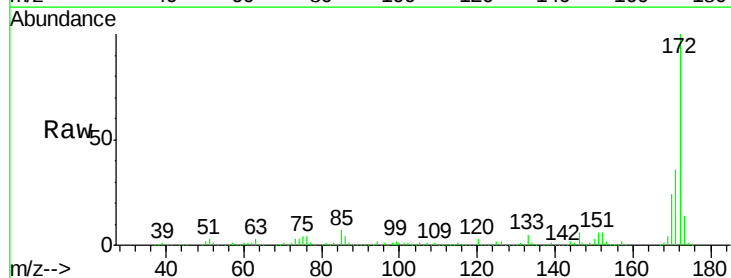
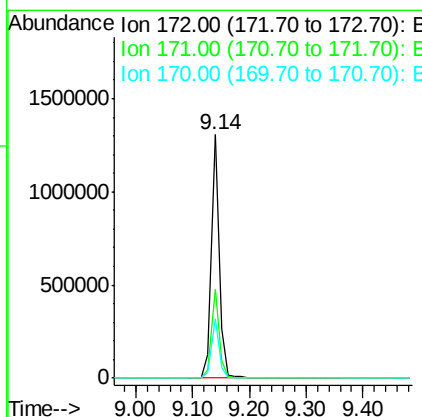
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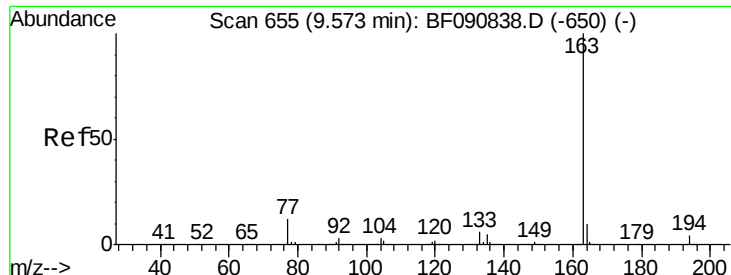
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#44
 2-Fluorobiphenyl
 Concen: 82.34 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF090887.D
 Acq: 28 Oct 2016 00:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1205058		
171	36.4	26.1	39.1	
170	24.5	17.4	26.2	





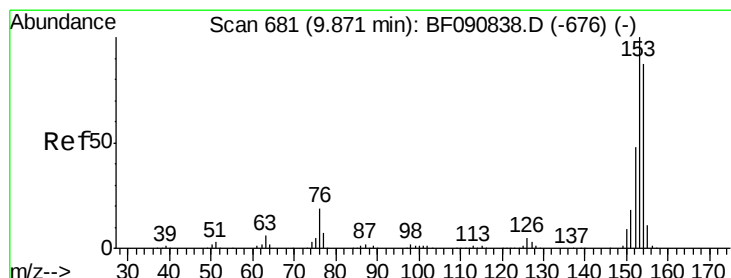
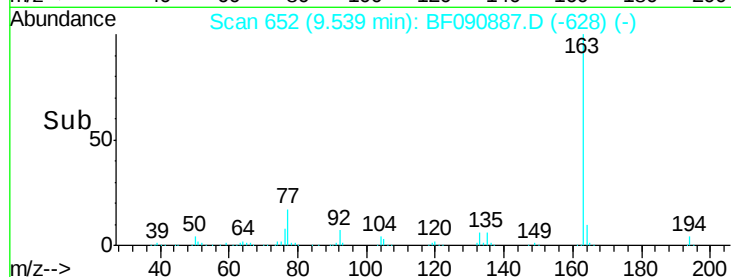
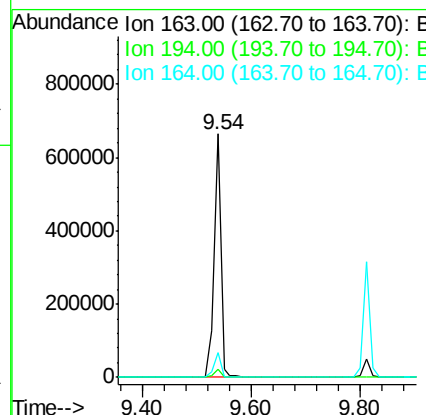
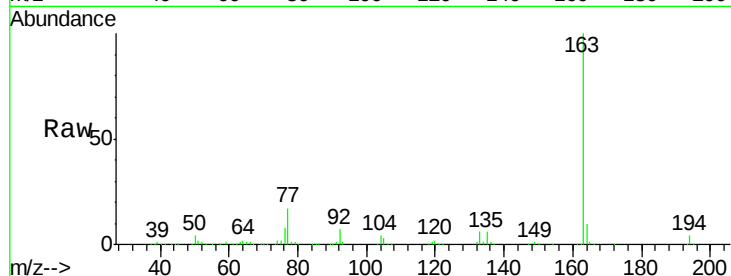
#49
Dimethylphthalate
Concen: 33.32 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF090887.D
Acq: 28 Oct 2016 00:41

Instrument :
BNA_F
ClientSampleId :
SB-2COMP(0-16FEET)

Tot Ion:163 Resp: 572065
Ion Ratio Lower Upper
163 100
194 3.5 4.4 6.6#
164 10.2 8.3 12.5

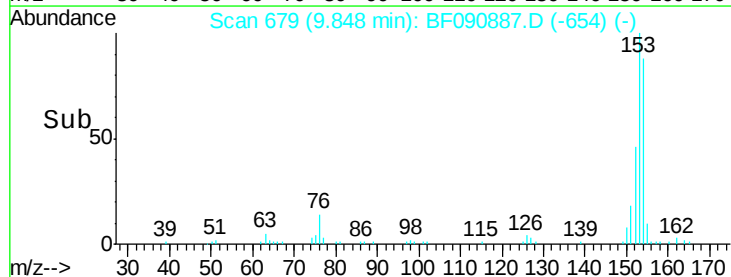
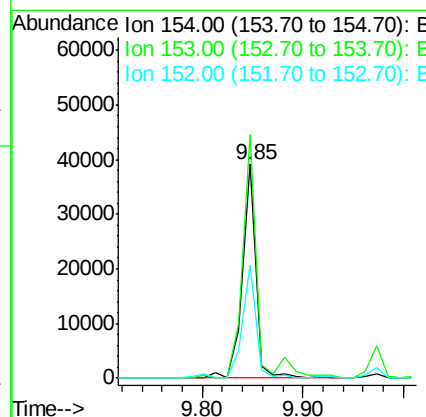
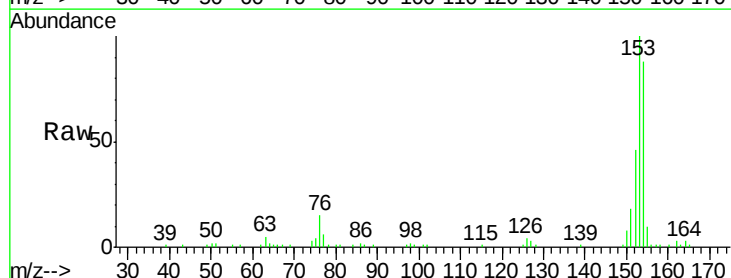
Manual Integrations
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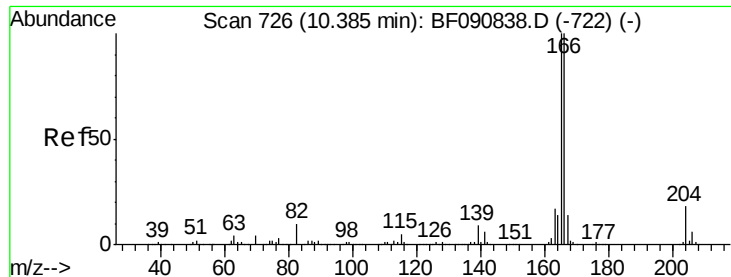
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#51
Acenaphthene
Concen: 2.48 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF090887.D
Acq: 28 Oct 2016 00:41

Tgt Ion:154 Resp: 36352
Ion Ratio Lower Upper
154 100
153 113.9 82.1 123.1
152 52.7 37.9 56.9





#57

Fluorene

Concen: 2.16 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Instrument :

BNA_F

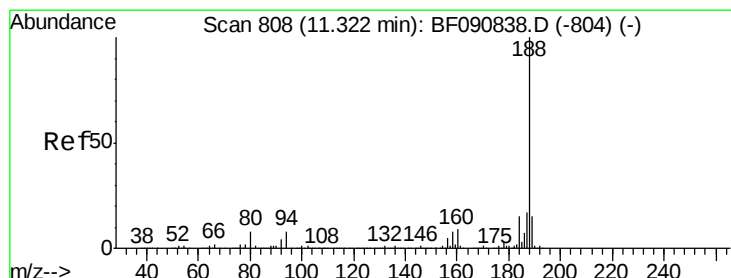
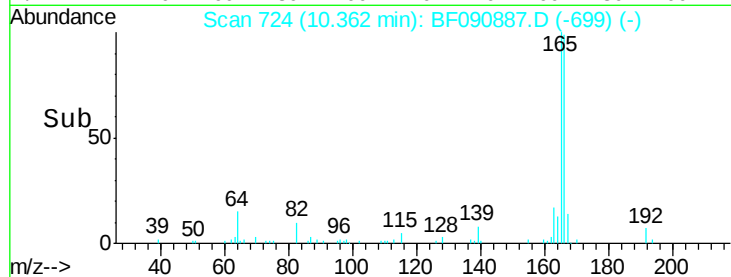
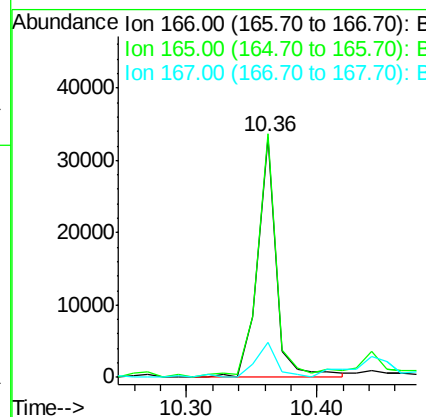
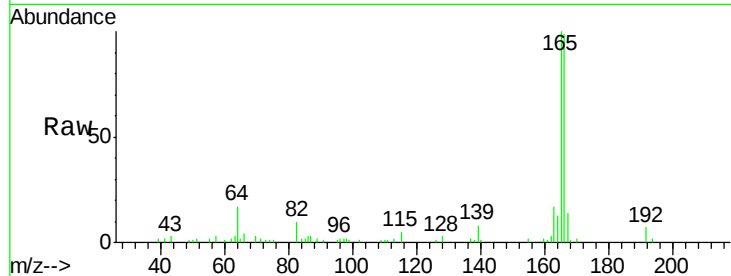
ClientSampleId :

SB-2COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.5	72.6	109.0
167	14.4	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.00 ng

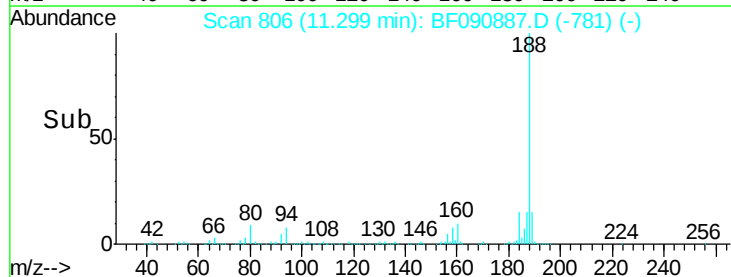
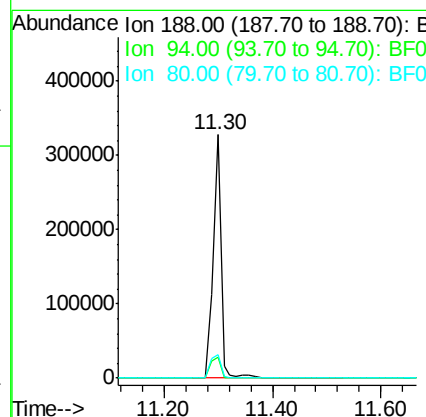
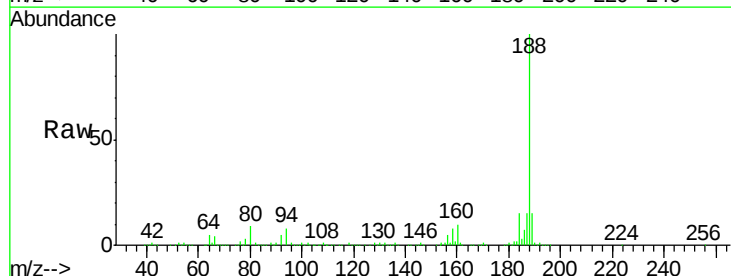
RT: 11.30 min Scan# 806

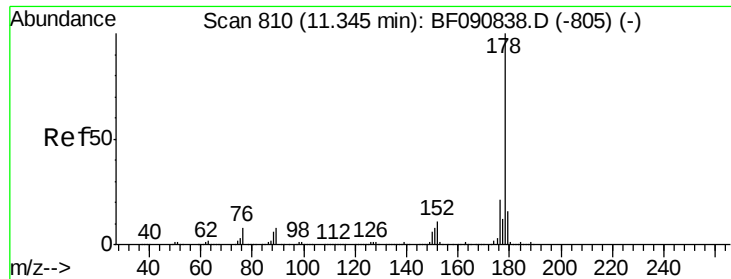
Delta R.T. -0.01 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	11.1	16.7#
80	9.5	11.0	16.4#





#70

Phenanthrene

Concen: 19.93 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Instrument :

BNA_F

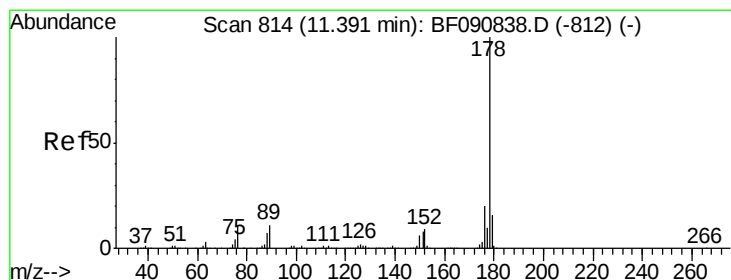
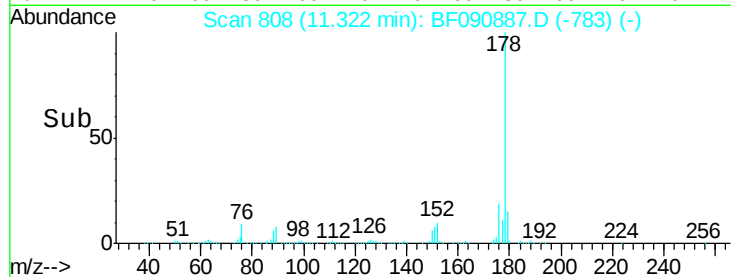
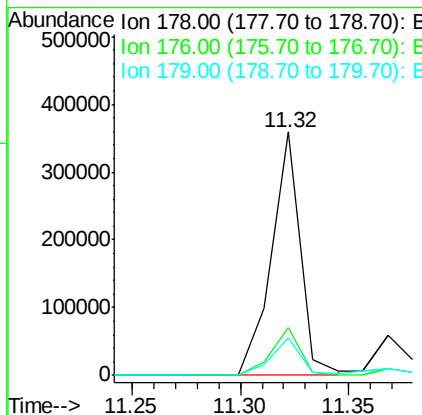
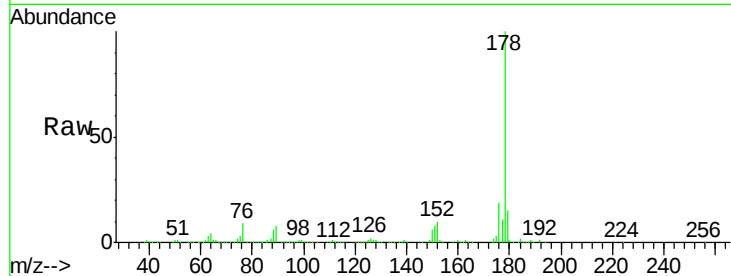
ClientSampleId :

SB-2COMP(0-16FEET)

Tot Ion:	178	Resp:	334400
Ion Ratio	Lower	Upper	
178	100		
176	19.5	13.8	20.8
179	15.4	12.2	18.2

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#71

Anthracene

Concen: 4.06 ng

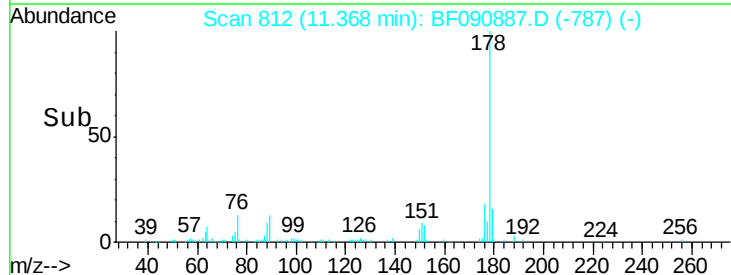
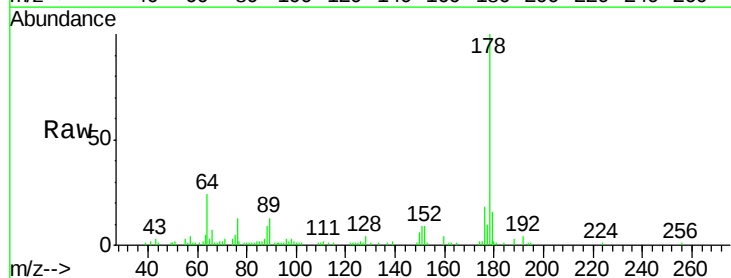
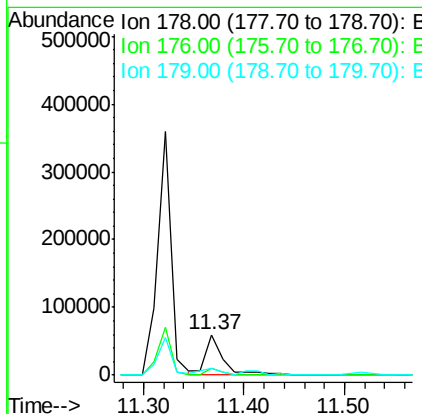
RT: 11.37 min Scan# 812

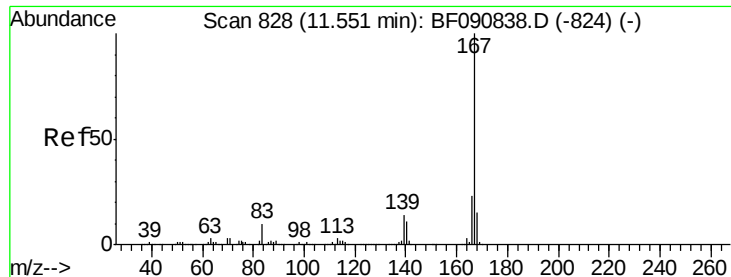
Delta R.T. -0.01 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Tgt Ion:	178	Resp:	71633
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.1	21.1
179	16.4	12.2	18.2





#72

Carbazole

Concen: 2.13 ng

RT: 11.53 min Scan# 826

Delta R.T. -0.01 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Instrument :

BNA_F

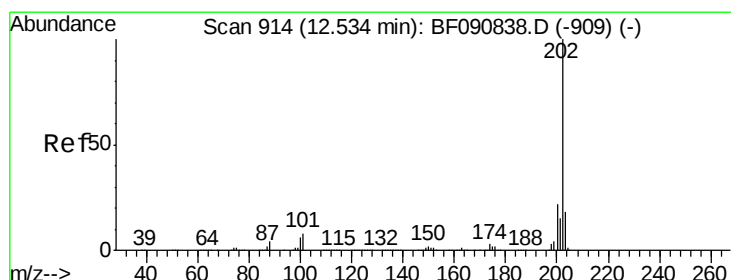
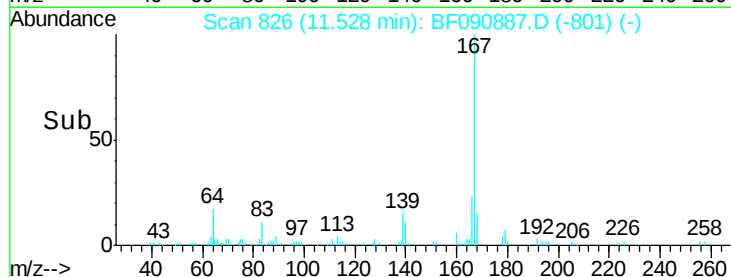
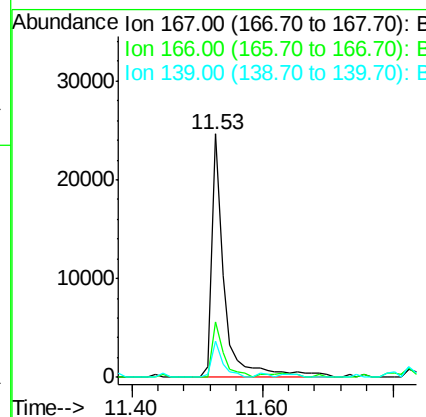
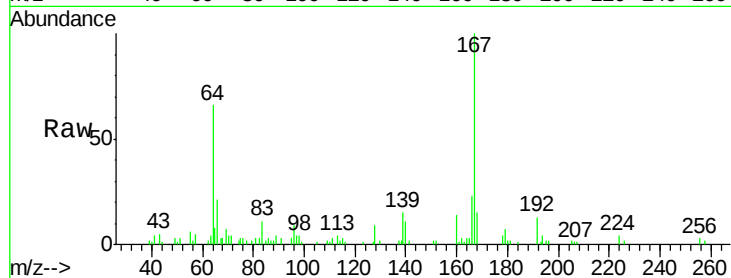
ClientSampleId :

SB-2COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.0	15.7	23.5
139	14.8	9.5	14.3

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#74

Fluoranthene

Concen: 17.67 ng

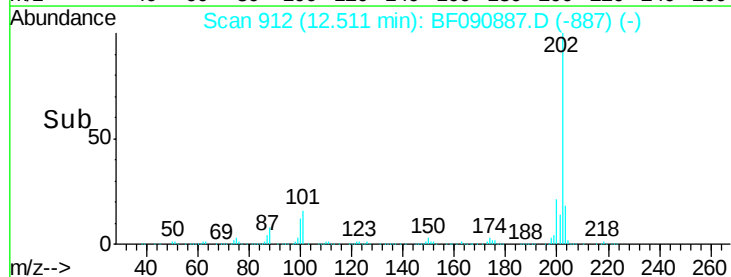
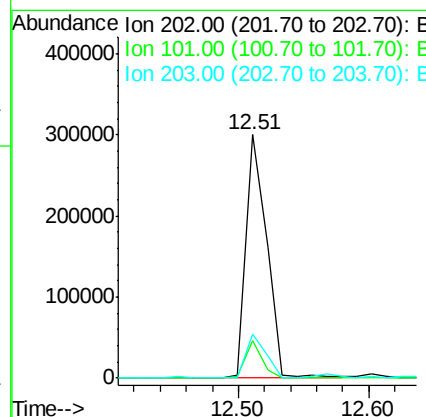
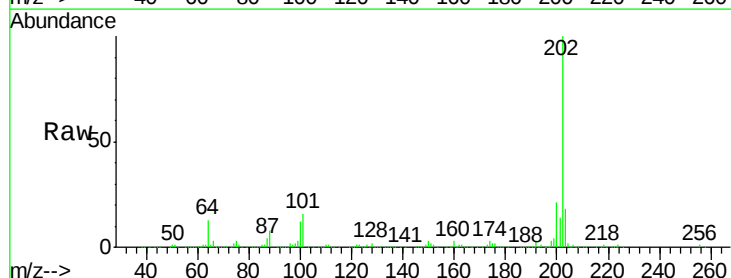
RT: 12.51 min Scan# 912

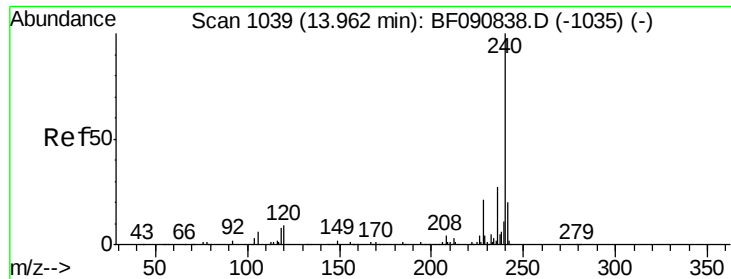
Delta R.T. -0.01 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	38.3
203	18.0	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Instrument :

BNA_F

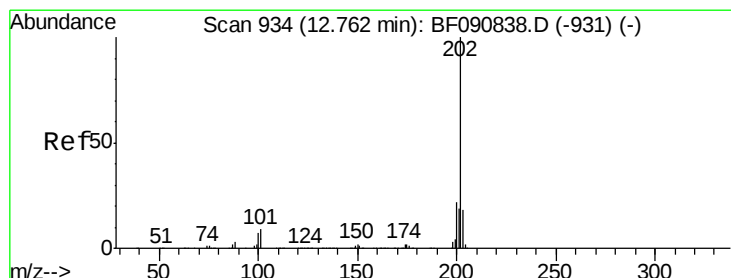
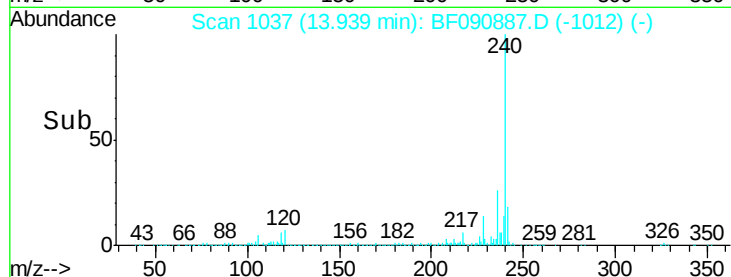
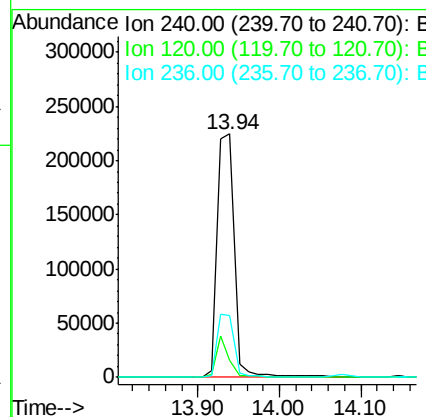
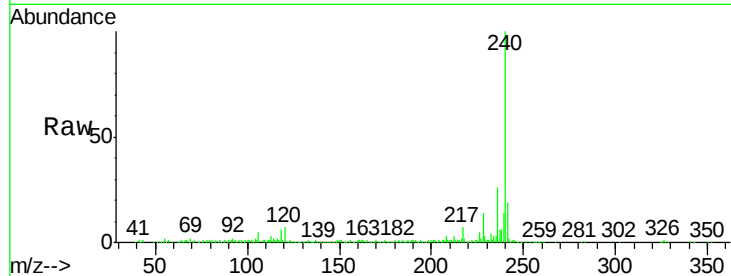
ClientSampleId :

SB-2COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.9	16.2	24.2#
236	25.5	18.4	27.6

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#77

Pyrene

Concen: 14.88 ng

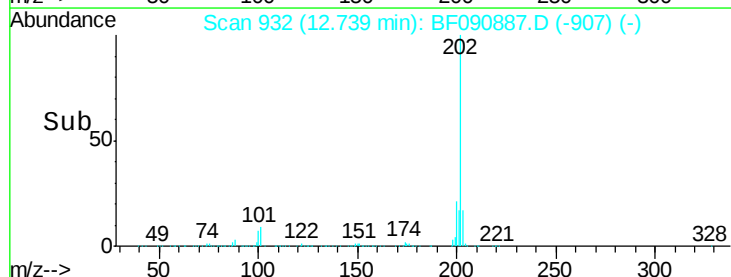
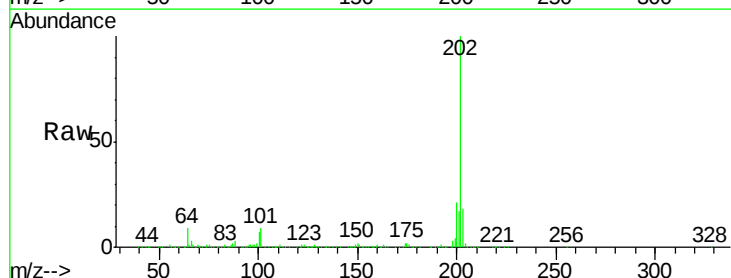
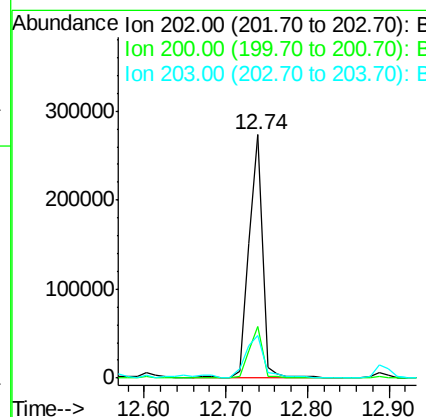
RT: 12.74 min Scan# 932

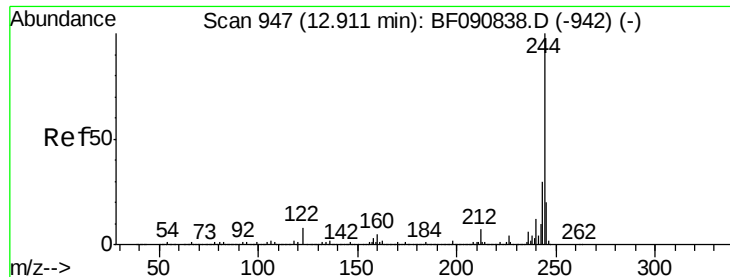
Delta R.T. -0.01 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	15.0	22.4
203	17.6	14.1	21.1





#78

Terphenyl-d14

Concen: 67.01 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Instrument :

BNA_F

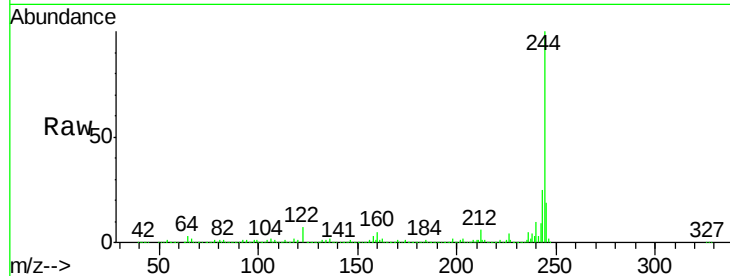
ClientSampleId :

SB-2COMP(0-16FEET)

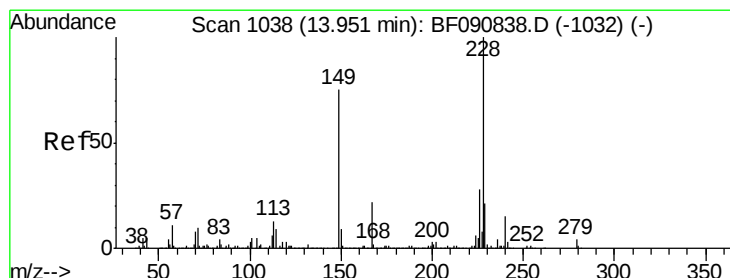
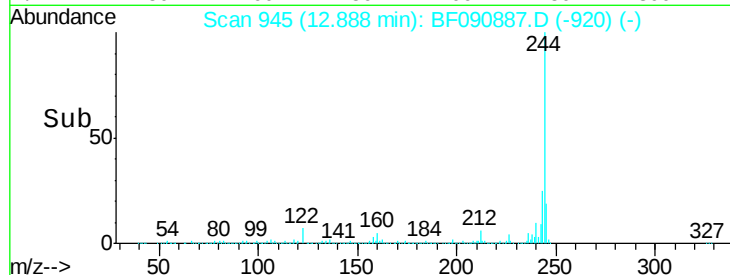
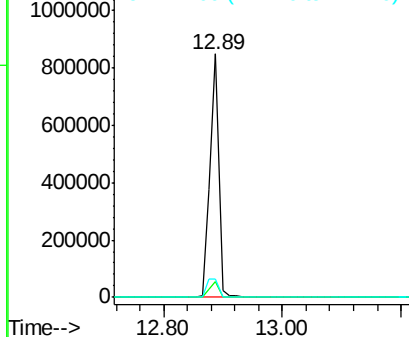
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.2	4.3	6.5
122	7.5	17.4	26.2

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 9.69 ng

RT: 13.93 min Scan# 1036

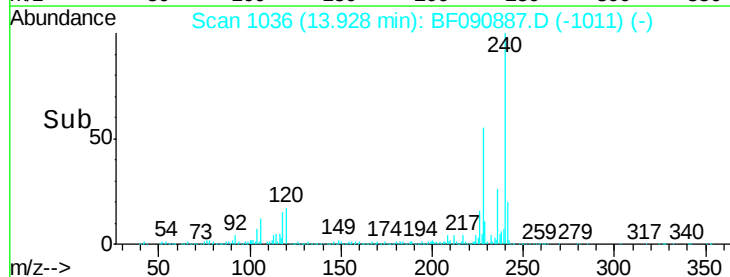
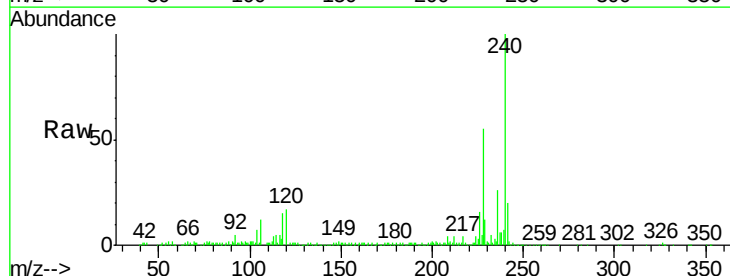
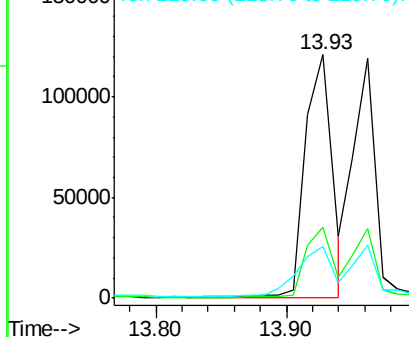
Delta R.T. -0.01 min

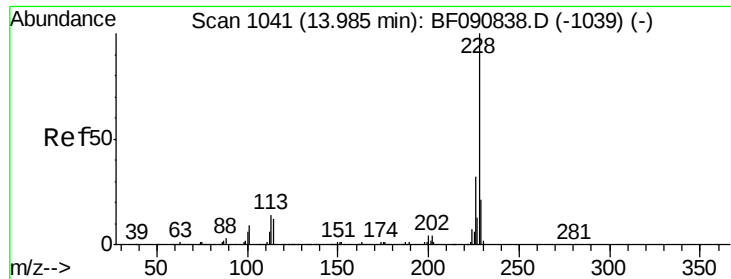
Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	20.0	30.0
229	21.5	15.4	23.2

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.03 ng/mL

RT: 13.96 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Instrument:

BNA_F

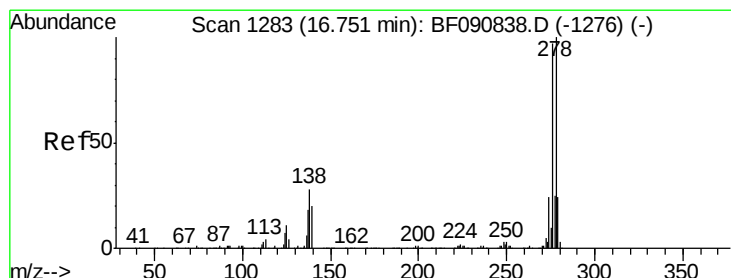
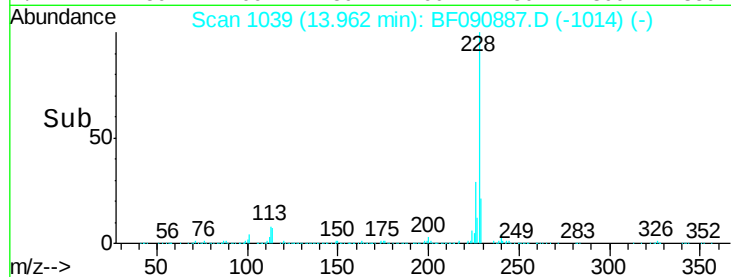
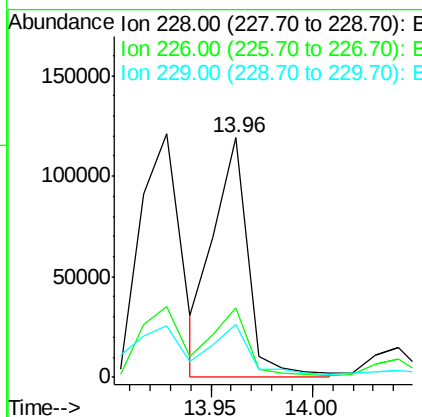
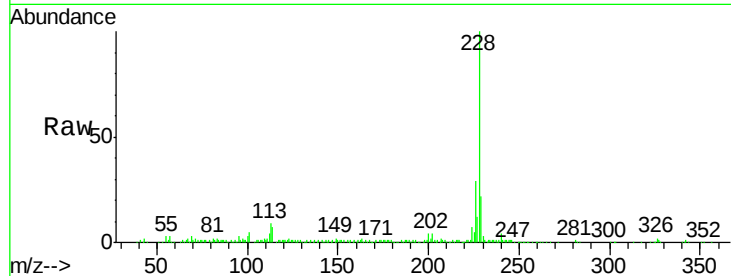
ClientSampleId:

SB-2COMP(0-16FEET)

Tot Ion:	228	Resp:	142609
Ion Ratio		Lower	Upper
228	100		
226	29.1	21.0	31.4
229	22.1	15.6	23.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.84 ng/mL

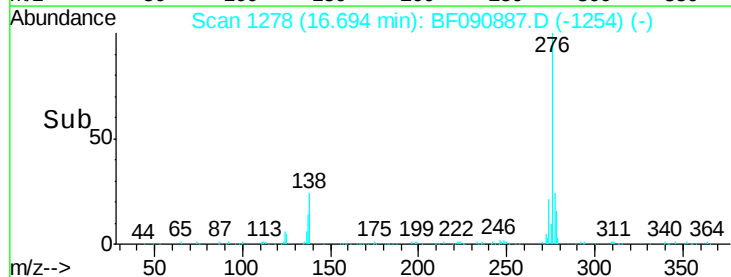
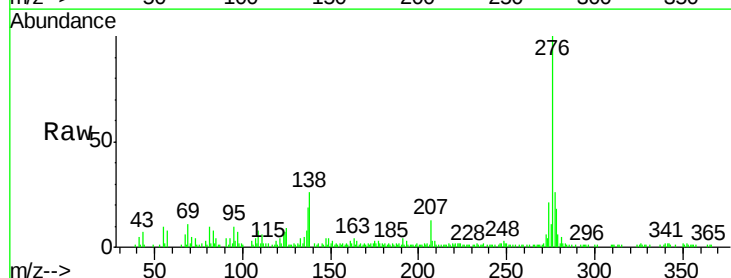
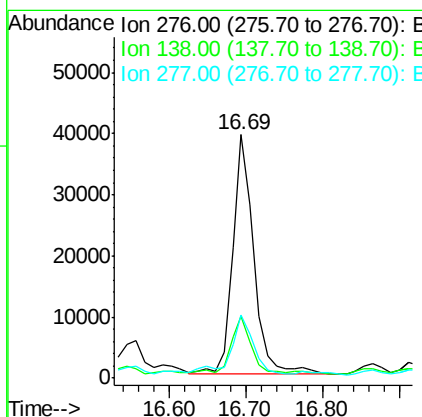
RT: 16.69 min Scan# 1278

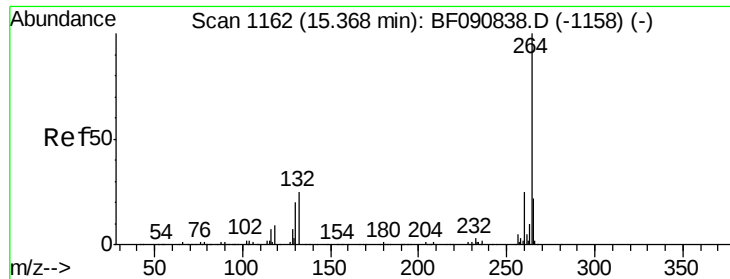
Delta R.T. -0.02 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Tgt Ion:	276	Resp:	76166
Ion Ratio		Lower	Upper
276	100		
138	23.3	25.7	38.5#
277	26.1	15.6	23.4#





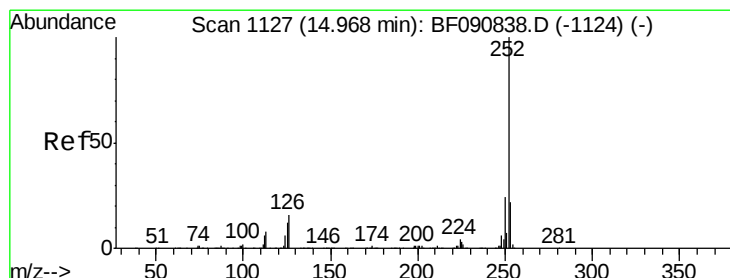
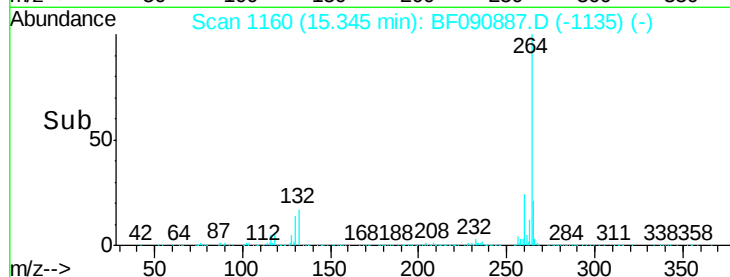
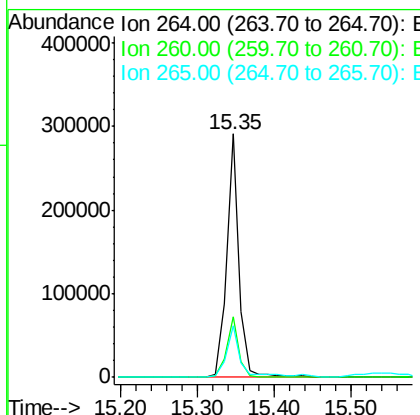
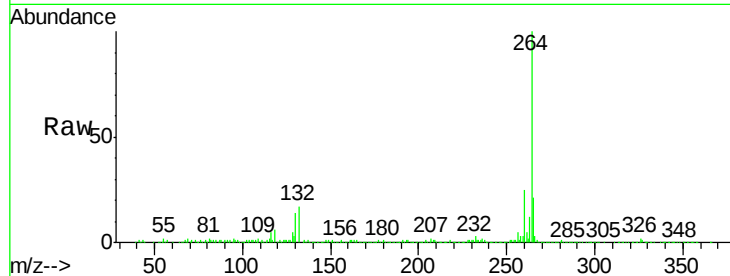
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF090887.D
Acq: 28 Oct 2016 00:41

Instrument :
BNA_F
ClientSampleId :
SB-2COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	16.7	25.1
265	21.5	17.2	25.8

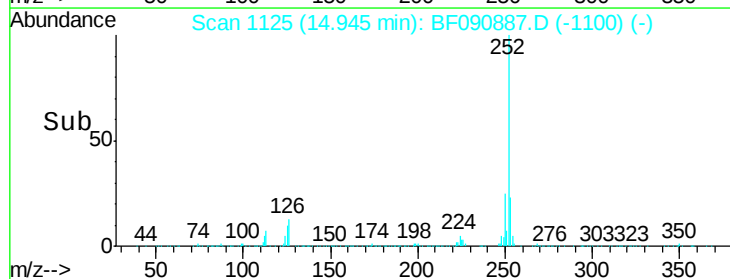
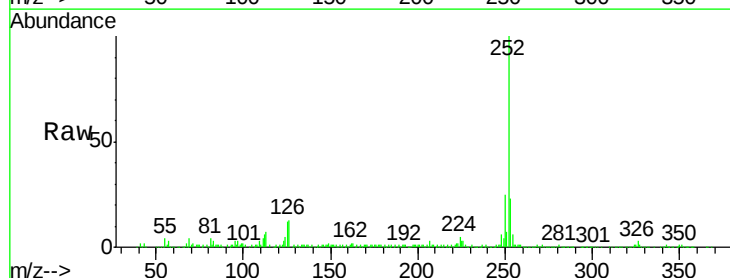
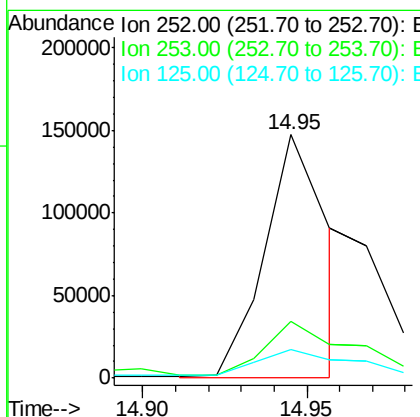
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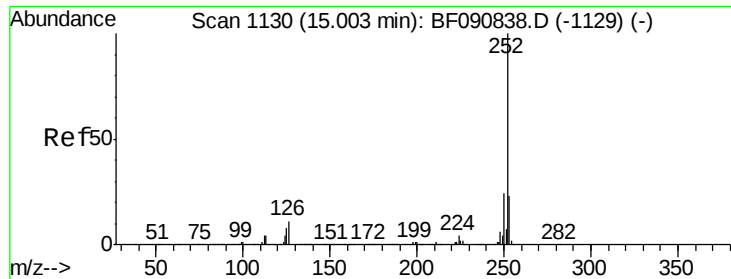
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#87
Benzo(b)fluoranthene
Concen: 8.75 ng m
RT: 14.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF090887.D
Acq: 28 Oct 2016 00:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	11.6	17.1	25.7#





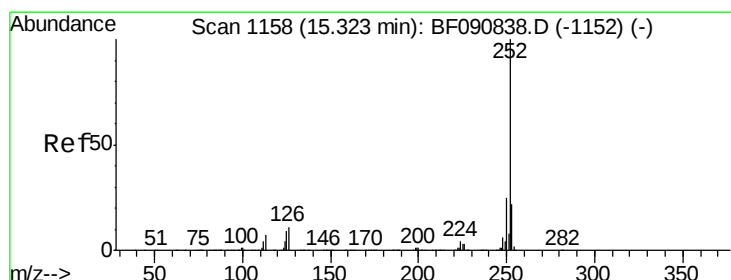
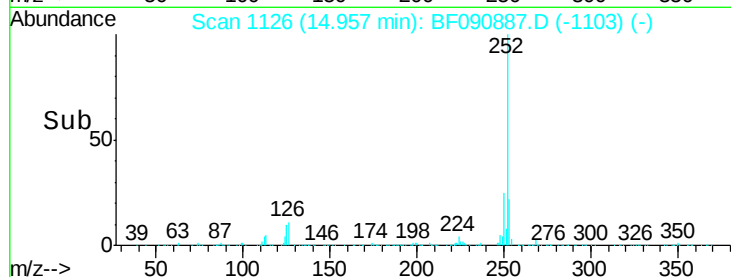
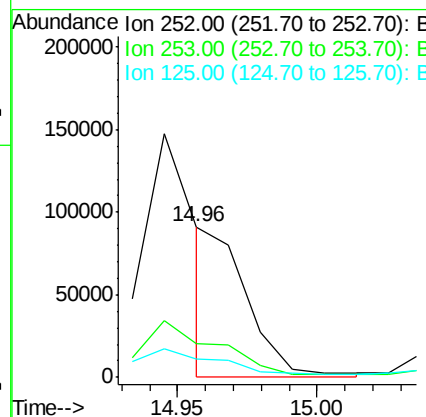
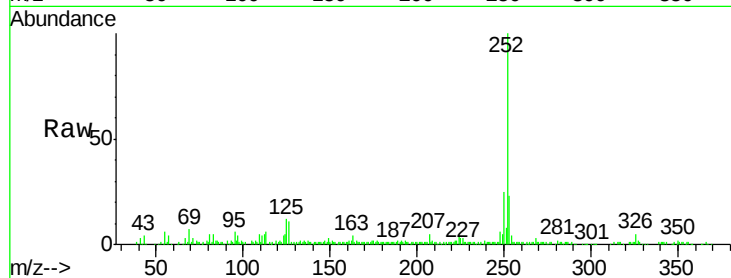
#88
Benzo(k)fluoranthene
Concen: 4.50 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.03 min
Lab File: BF090887.D
Acq: 28 Oct 2016 00:41

Instrument :
BNA_F
ClientSampleId :
SB-2COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.4
125	11.8	16.0	24.0

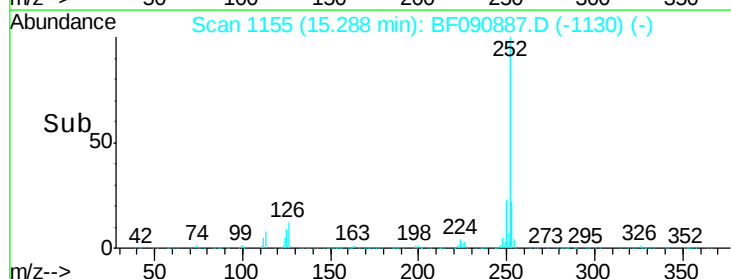
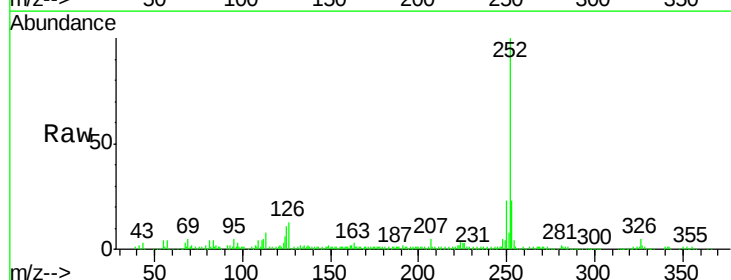
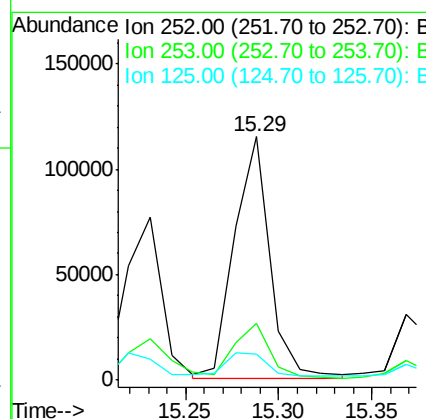
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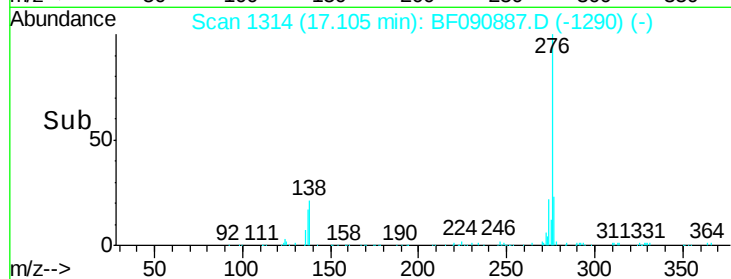
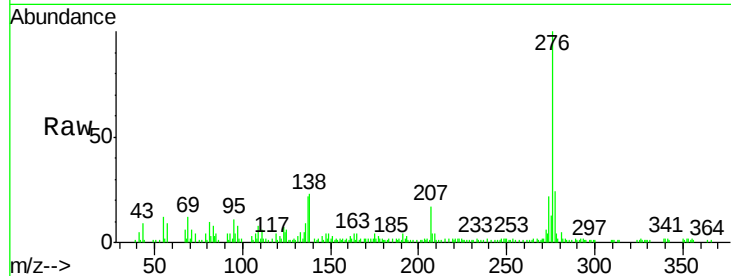
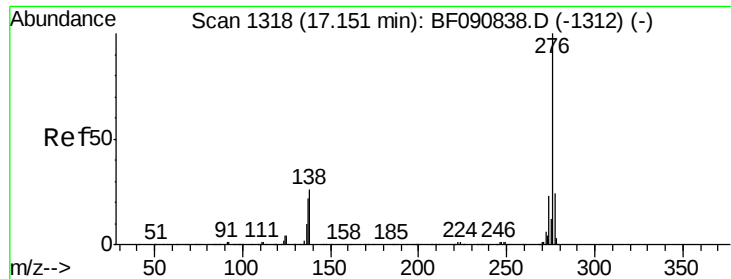
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#89
Benzo(a)pyrene
Concen: 7.82 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF090887.D
Acq: 28 Oct 2016 00:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	10.8	18.0	27.0





#91

Benzo(a,h,i)perylene

Concen: 4.60 ng

RT: 17.11 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF090887.D

Acq: 28 Oct 2016 00:41

Instrument :

BNA_F

ClientSampleId :

SB-2COMP(0-16FEET)

Tot Ion:	276	Resp:	71095
Ion Ratio	Lower	Upper	
276	100		
277	24.2	17.8	26.6
138	22.6	34.6	51.8#

Manual Integrations
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