

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
 Data File : BF090926.D
 Acq On : 31 Oct 2016 14:22
 Operator : UM/SJ
 Sample : H5423-03RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Nov 01 14:49:22 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	164370	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	680049	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	330041	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	526343	20.00	ng	0.00
75) Chrysene-d12	13.91	240	319030	20.00	ng	0.00
86) Perylene-d12	15.30	264	343010	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	1589099	169.03	ng	0.01
7) Phenol-d6	6.40	99	1892679	149.23	ng	0.00
23) Nitrobenzene-d5	7.32	82	1387194	133.54	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	542700	160.01	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1829162	97.32	ng	0.00
78) Terphenyl-d14	12.85	244	1125273	88.86	ng	0.00

Target Compounds

						Qvalue
20) 3+4-Methylphenols	7.17	107	151858	14.87	ng	89
31) Naphthalene	8.05	128	107587	3.38	ng	99
49) Dimethylphthalate	9.50	163	694296	31.49	ng	# 96
51) Acenaphthene	9.81	154	53153	2.82	ng	87
57) Fluorene	10.33	166	48660	2.44	ng	89
70) Phenanthrene	11.29	178	530041	19.77	ng	96
71) Anthracene	11.34	178	103819	3.68	ng	98
72) Carbazole	11.50	167	51733	2.08	ng	97
74) Fluoranthene	12.49	202	533285	18.17	ng	90
77) Pyrene	12.71	202	441852	21.89	ng	96
80) Benzo(a)anthracene	13.89	228	166505m	9.83	ng	
82) Chrysene	13.93	228	146843m	8.57	ng	
85) Indeno(1,2,3-cd)pyrene	16.63	276	116074	7.65	ng	# 87
87) Benzo(b)fluoranthene	14.91	252	214734m	9.31	ng	
88) Benzo(k)fluoranthene	14.92	252	57887m	3.18	ng	
89) Benzo(a)pyrene	15.24	252	153568	7.75	ng	# 88
91) Benzo(g,h,i)perylene	17.03	276	121713	7.70	ng	# 77

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

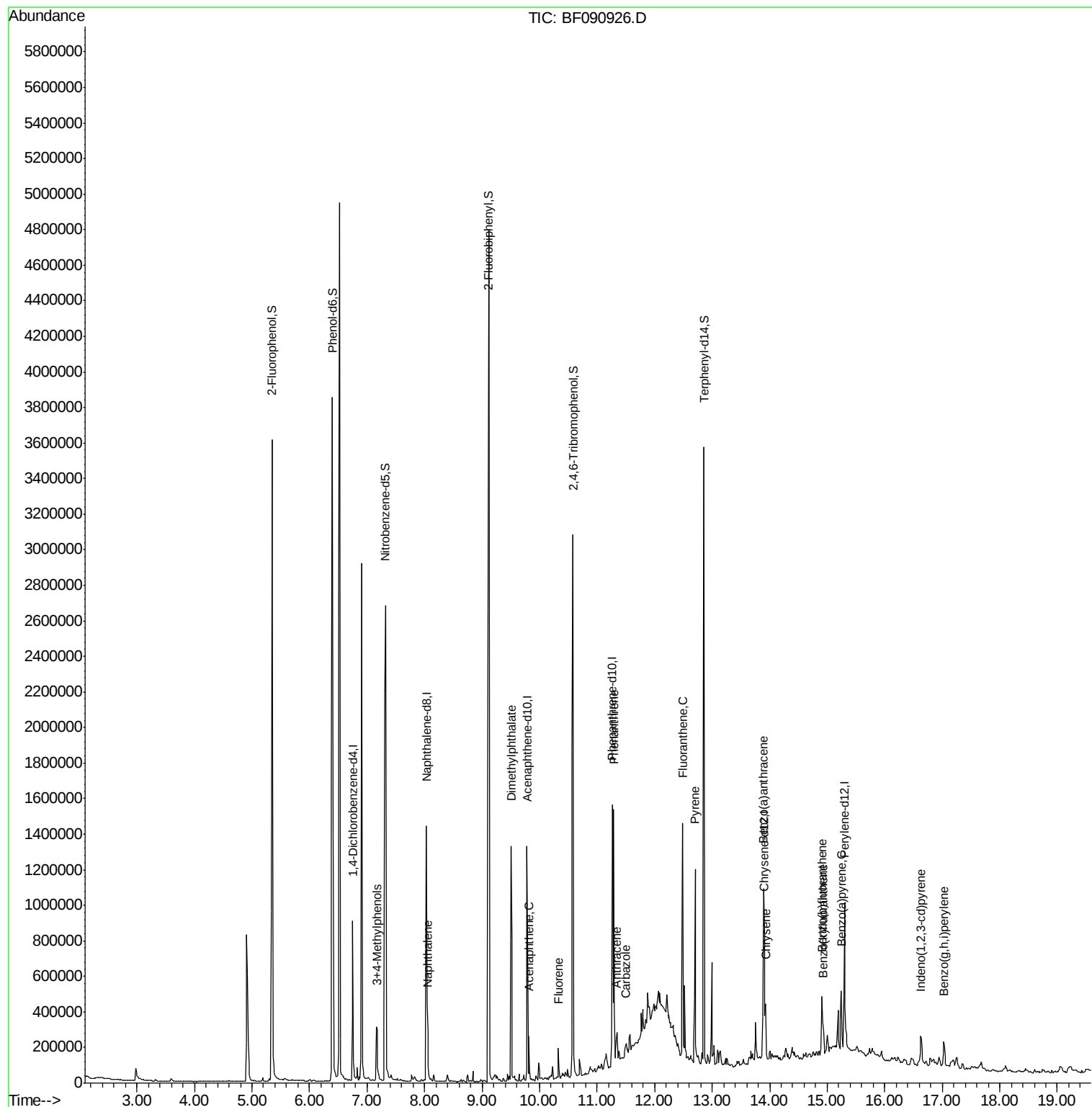
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
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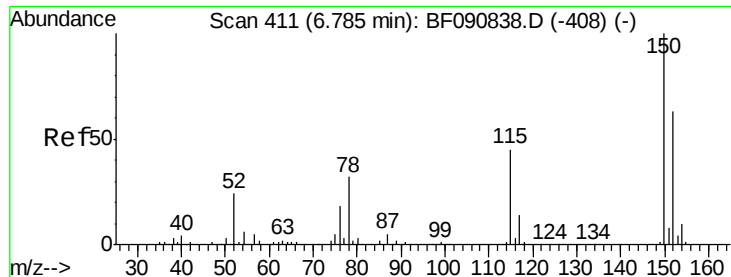
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 01 11:53:50 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF090926.D

Acq: 31 Oct 2016 14:22

Instrument :

BNA_F

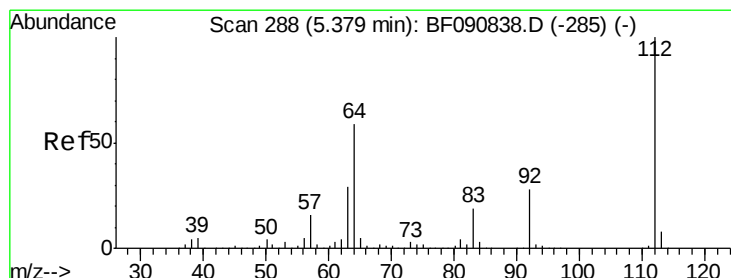
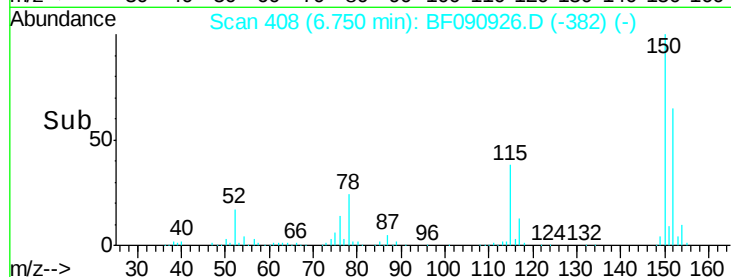
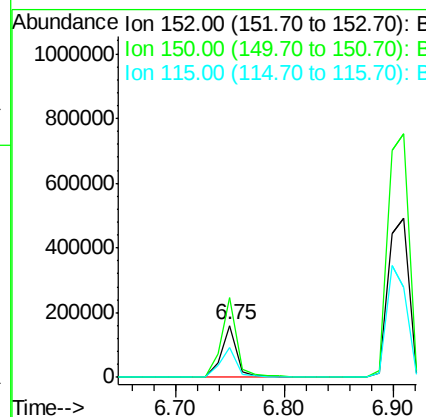
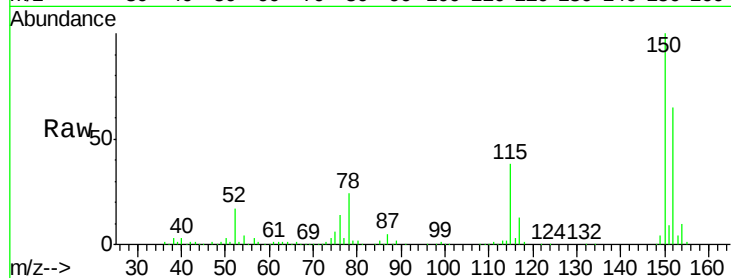
ClientSampleId :

SB-2COMP(0-16FEET)RE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.7	187.1
115	58.3	39.0	58.4

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#5

2-Fluorophenol

Concen: 169.03 ng

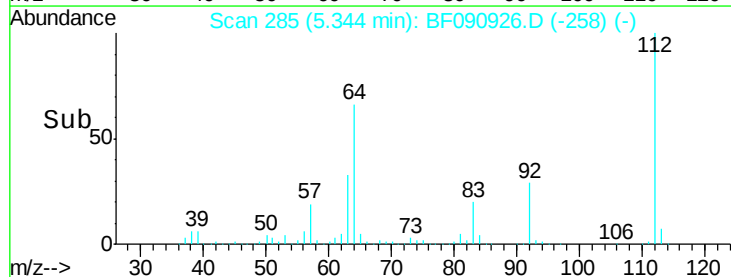
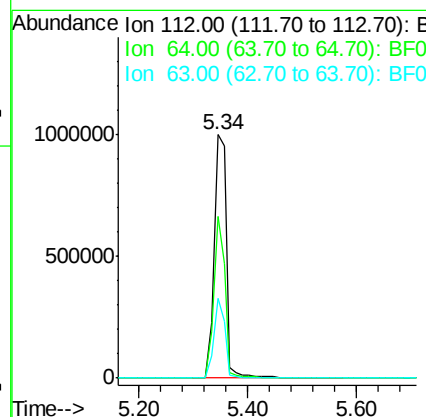
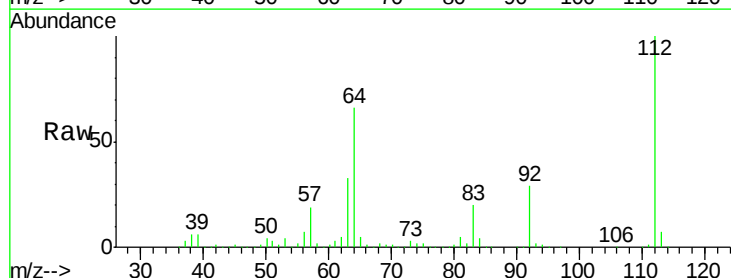
RT: 5.34 min Scan# 285

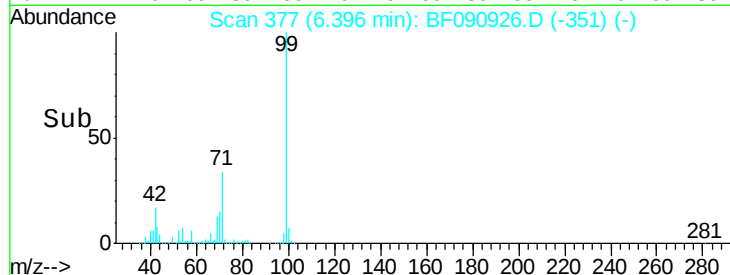
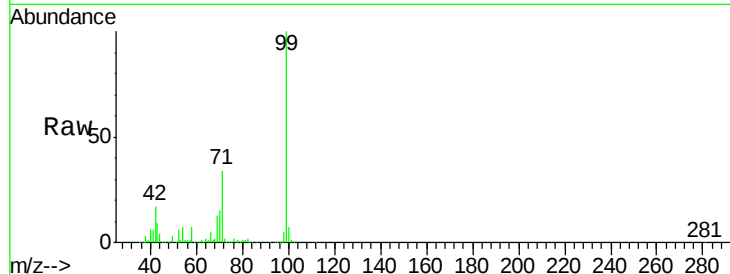
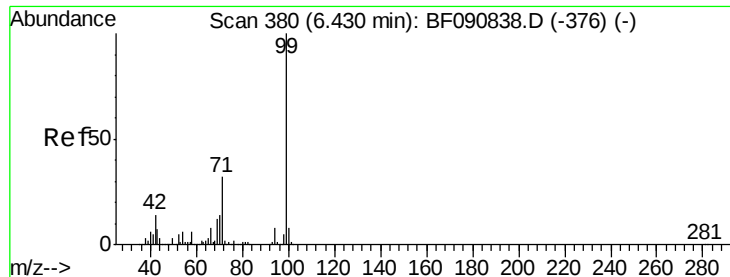
Delta R.T. 0.01 min

Lab File: BF090926.D

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Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	39.7	59.5#
63	32.6	17.4	26.0#





#7

Phenol-d6

Concen: 149.23 ng

RT: 6.40 min Scan# 377

Delta R.T. 0.00 min

Lab File: BF090926.D

Acq: 31 Oct 2016 14:22

Tgt Ion: 99 Resp: 1892679

Ion Ratio Lower Upper

99 100

42 16.8 13.7 20.5

71 34.4 14.2 21.2#

Instrument :

BNA_F

ClientSampleId :

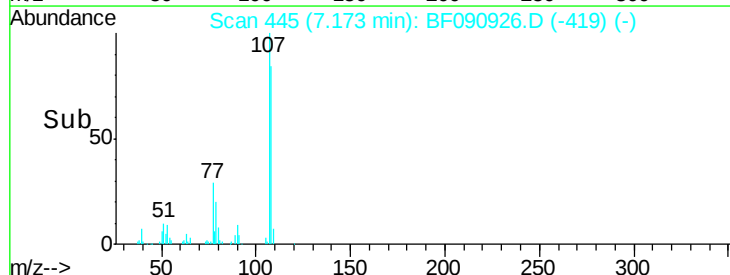
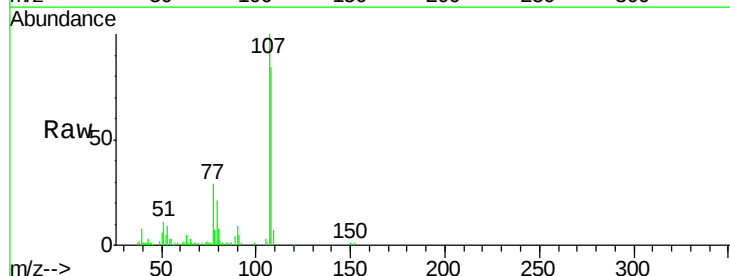
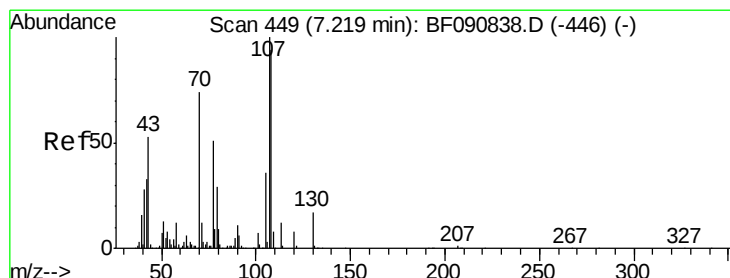
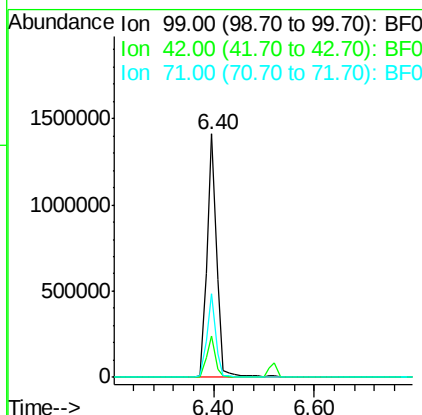
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#20

3+4-Methylphenols

Concen: 14.87 ng

RT: 7.17 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF090926.D

Acq: 31 Oct 2016 14:22

Tgt Ion: 107 Resp: 151858

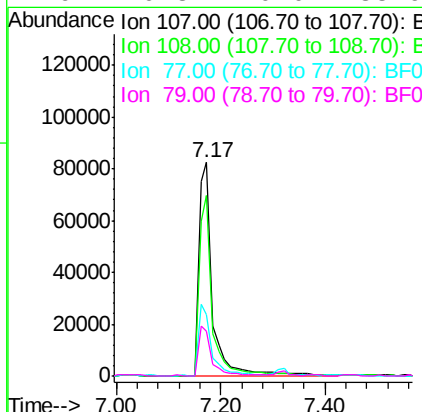
Ion Ratio Lower Upper

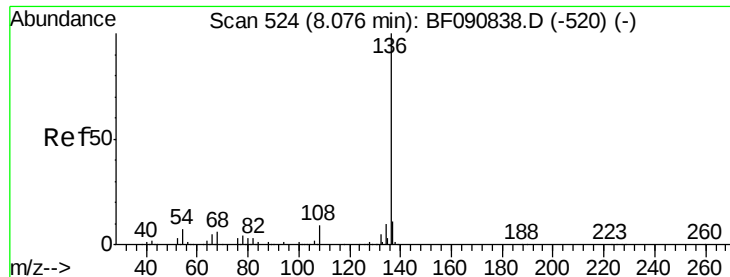
107 100

108 84.5 74.6 114.6

77 29.1 0.7 40.7

79 20.8 0.0 38.9





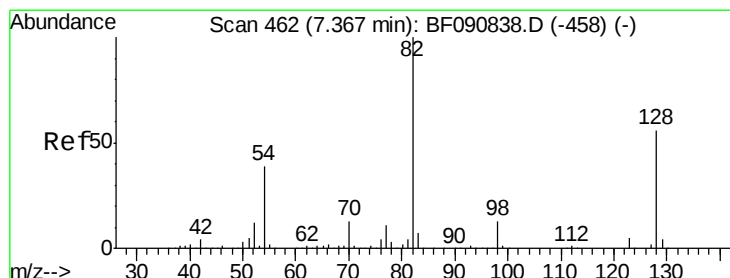
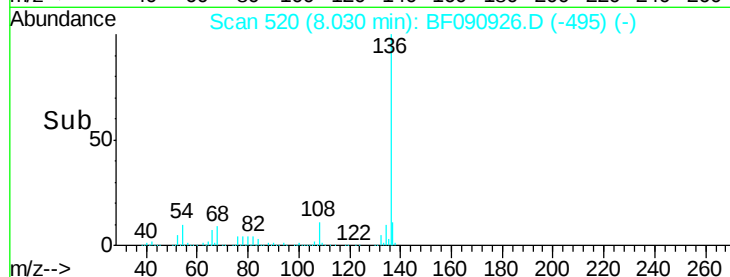
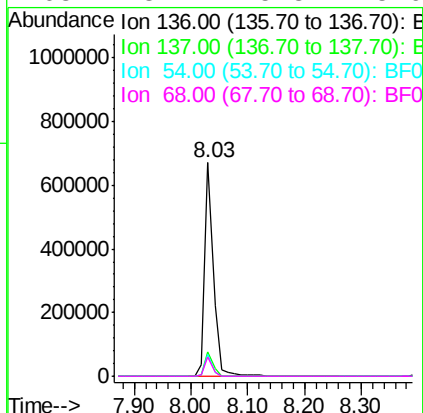
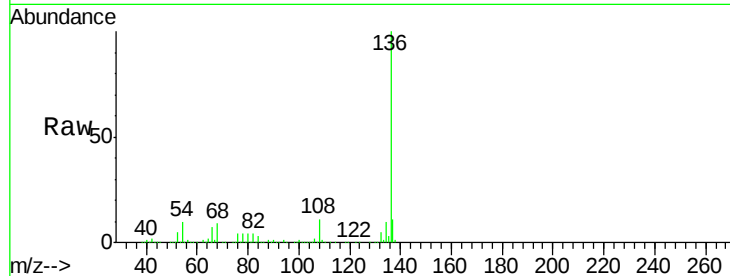
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF090926.D
Acq: 31 Oct 2016 14:22

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

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	680049		
137	11.4	9.0	13.6	
54	10.0	8.2	12.2	
68	8.7	5.8	8.6#	

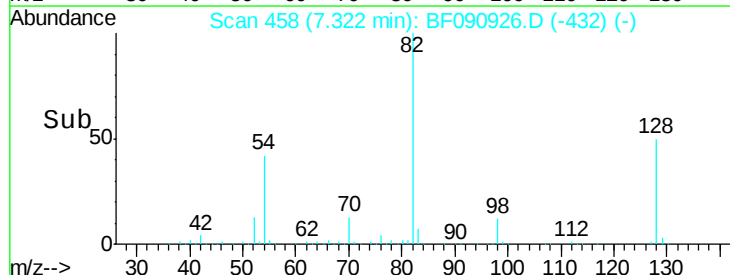
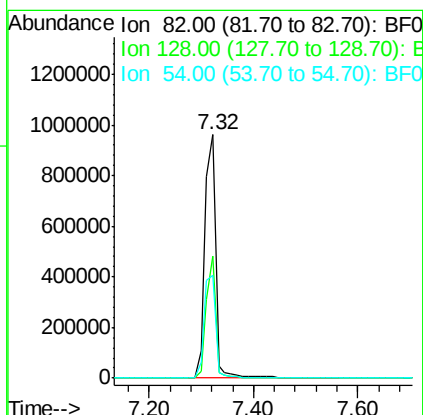
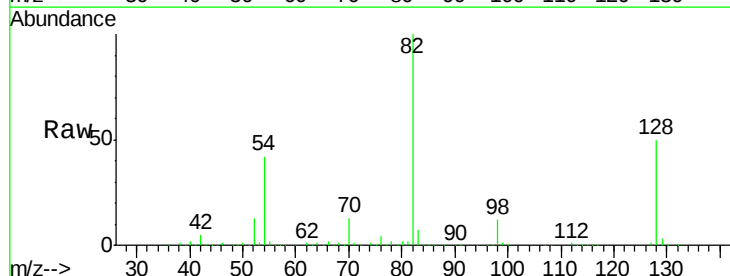
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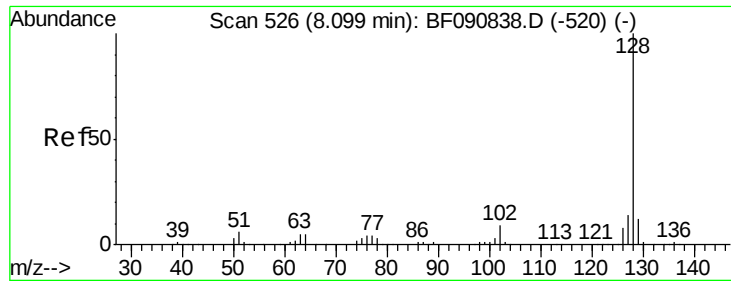
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#23
Nitrobenzene-d5
Concen: 133.54 ng
RT: 7.32 min Scan# 458
Delta R.T. 0.00 min
Lab File: BF090926.D
Acq: 31 Oct 2016 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1387194		
128	50.3	51.0	76.6#	
54	42.0	47.5	71.3#	





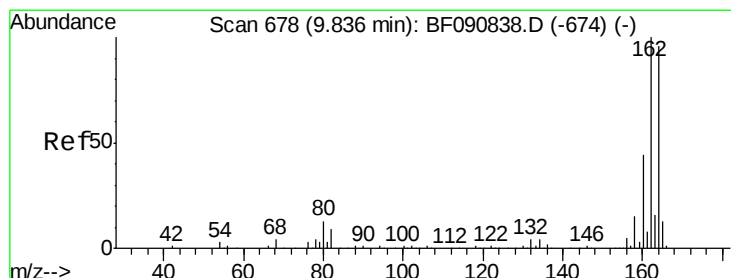
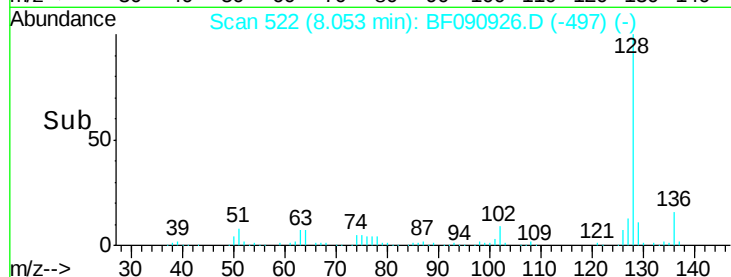
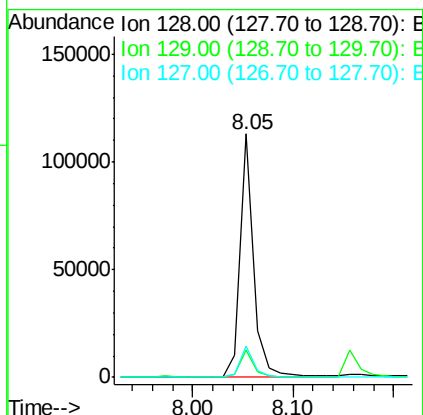
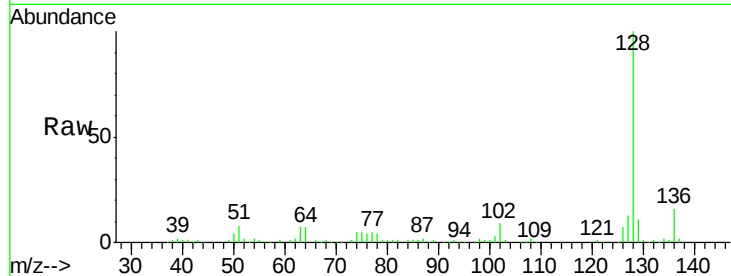
#31
Naphthalene
Concen: 3.38 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF090926.D
Acq: 31 Oct 2016 14:22

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.1	8.4	12.6
127	12.8	9.9	14.9

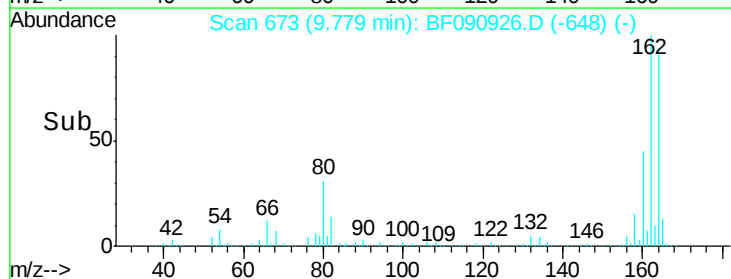
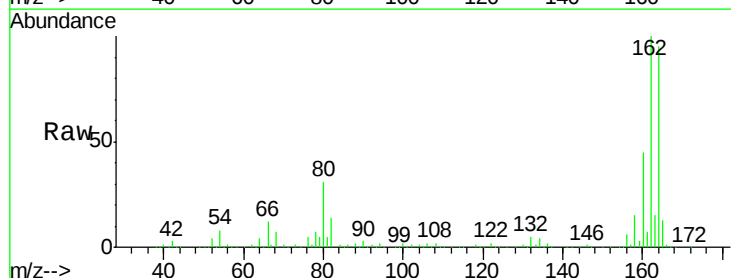
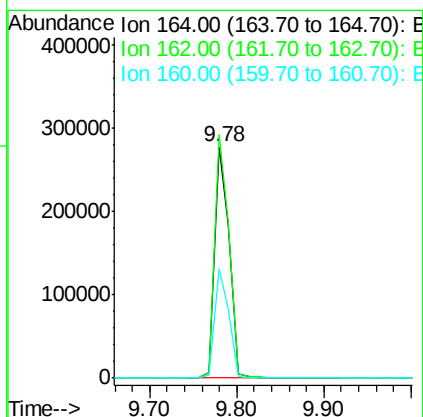
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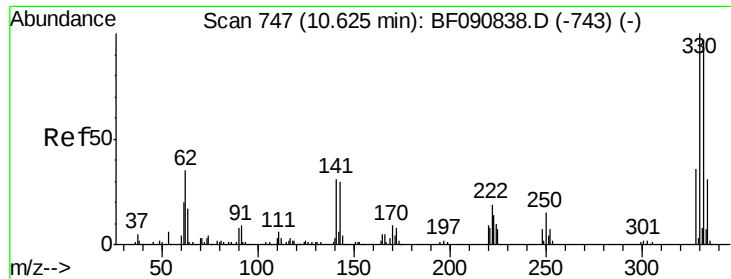
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF090926.D
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Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	105.4	75.2	112.8
160	47.2	31.5	47.3





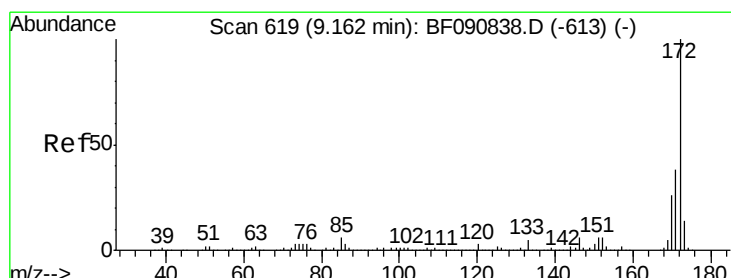
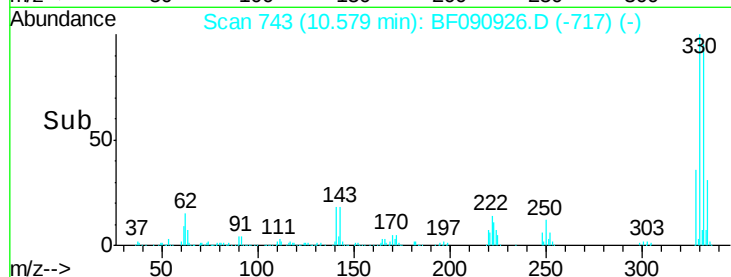
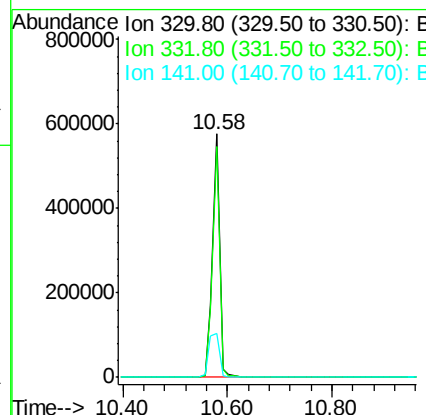
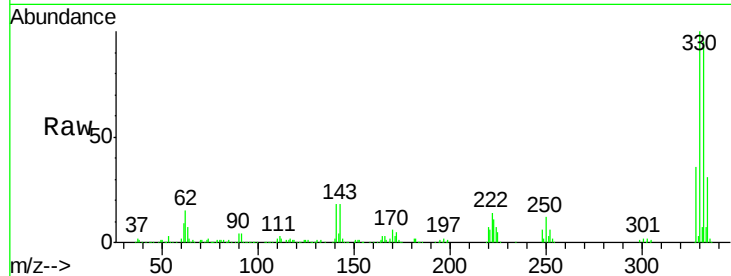
#41
 2,4,6-Tribromophenol
 Concen: 160.01 ng
 RT: 10.58 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: BF090926.D
 Acq: 31 Oct 2016 14:22

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 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	542700		
332	94.9	76.6	114.8	
141	27.5	29.7	44.5#	

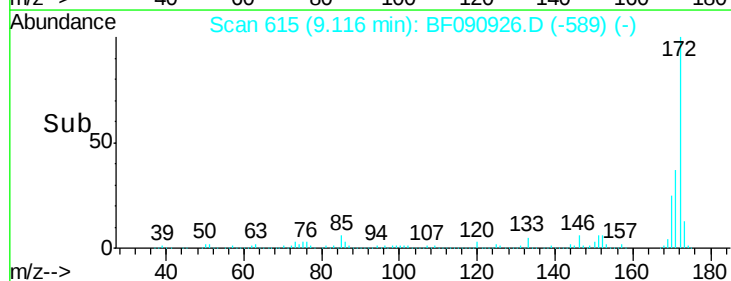
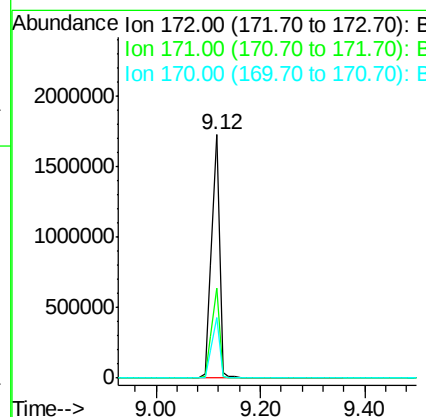
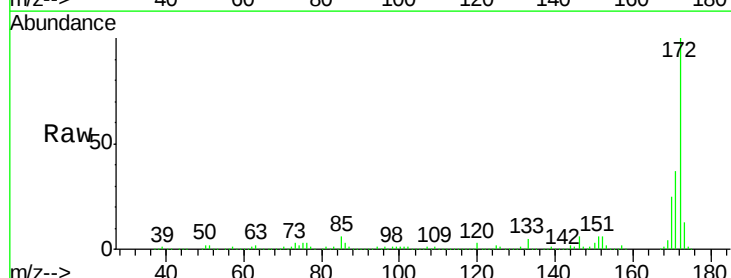
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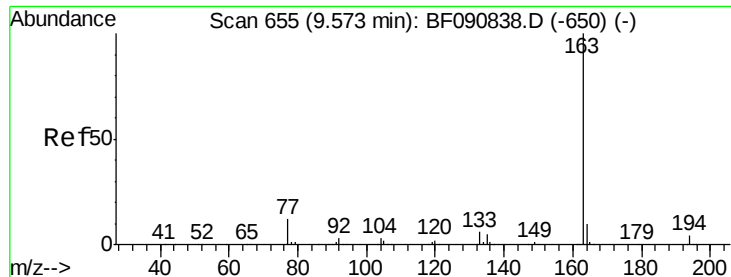
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#44
 2-Fluorobiphenyl
 Concen: 97.32 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF090926.D
 Acq: 31 Oct 2016 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1829162		
171	36.9	26.1	39.1	
170	25.0	17.4	26.2	





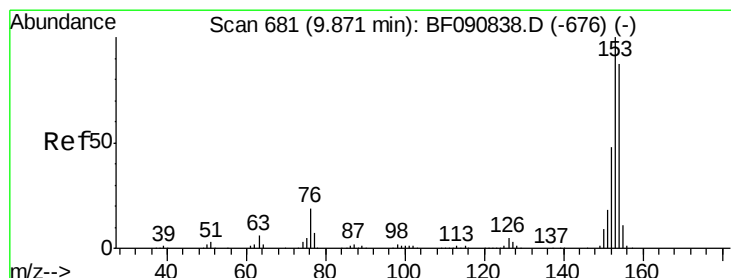
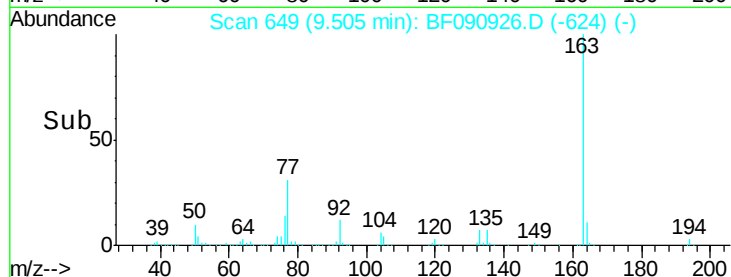
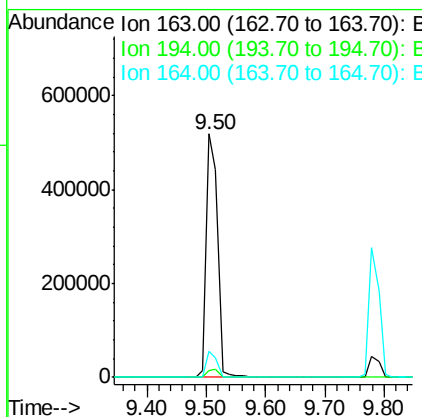
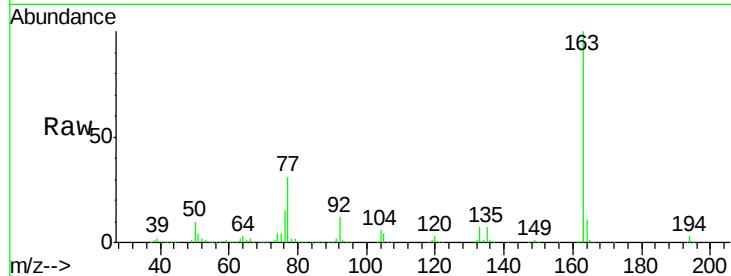
#49
Dimethylphthalate
Concen: 31.49 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF090926.D
Acq: 31 Oct 2016 14:22

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ClientSampleId :
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Tgt Ion:163 Resp: 694296
Ion Ratio Lower Upper
163 100
194 2.9 4.4 6.6#
164 10.9 8.3 12.5

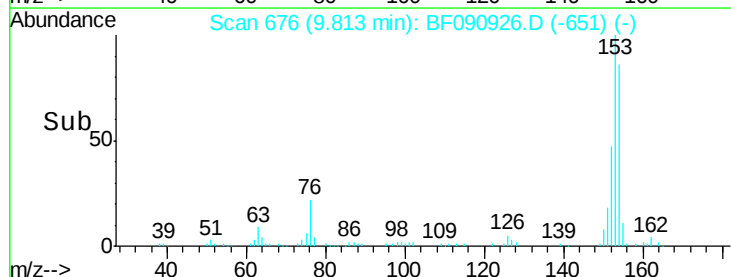
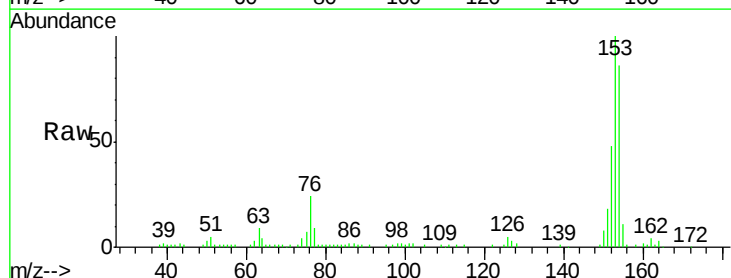
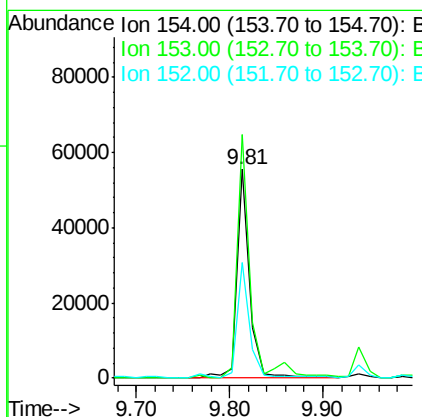
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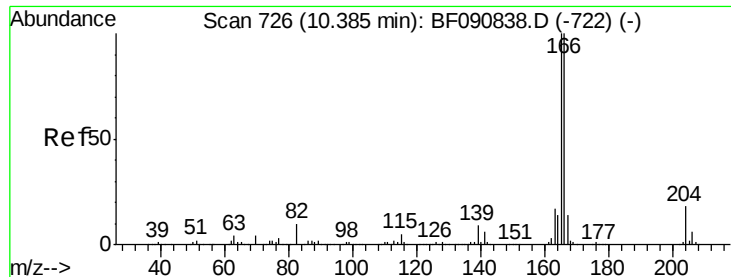
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#51
Acenaphthene
Concen: 2.82 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF090926.D
Acq: 31 Oct 2016 14:22

Tgt Ion:154 Resp: 53153
Ion Ratio Lower Upper
154 100
153 116.8 82.1 123.1
152 55.6 37.9 56.9





#57

Fluorene

Concen: 2.44 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF090926.D

Acq: 31 Oct 2016 14:22

Instrument :

BNA_F

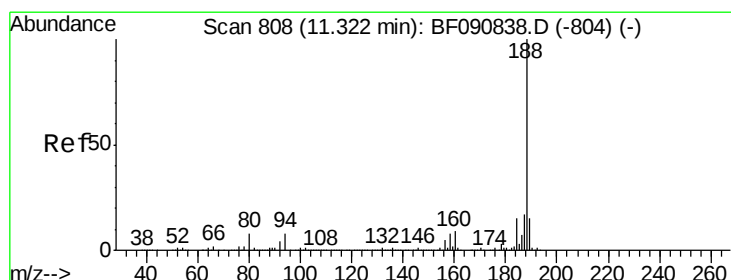
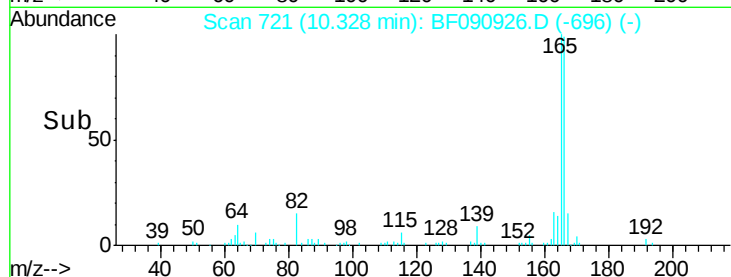
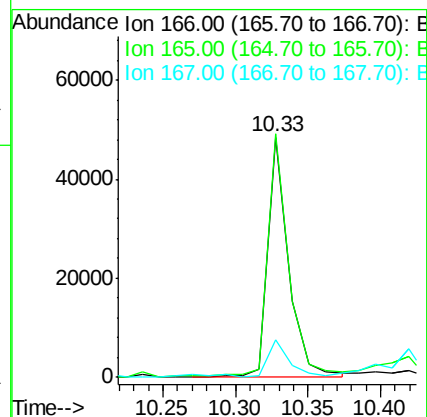
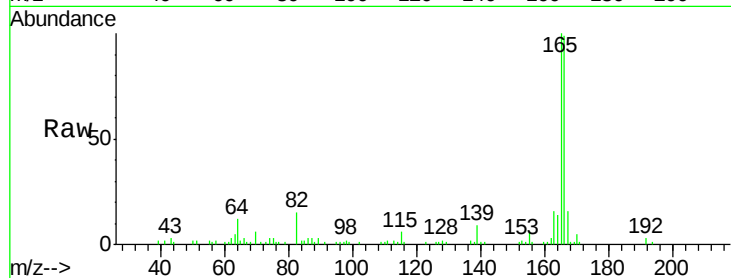
ClientSampleId :

SB-2COMP(0-16FEET)RE

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	48660		
165	101.5	72.6	109.0	
167	15.8	10.6	16.0	

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#63

Phenanthrene-d10

Concen: 20.00 ng

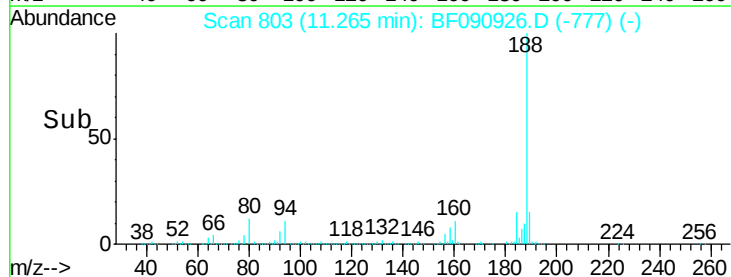
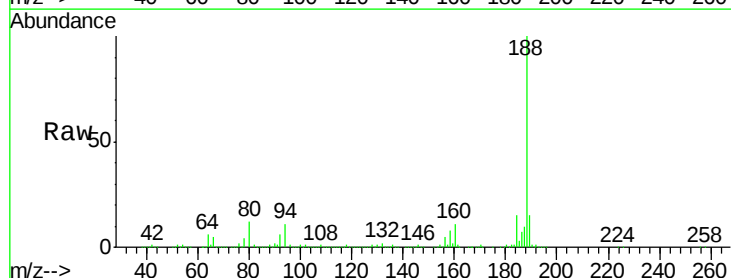
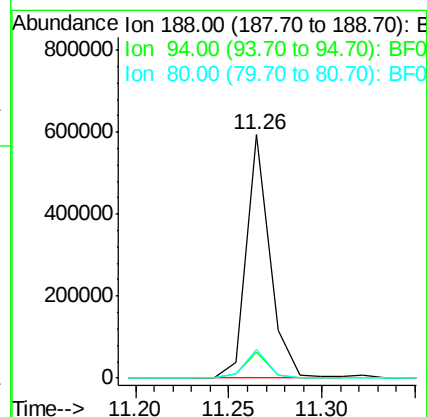
RT: 11.26 min Scan# 803

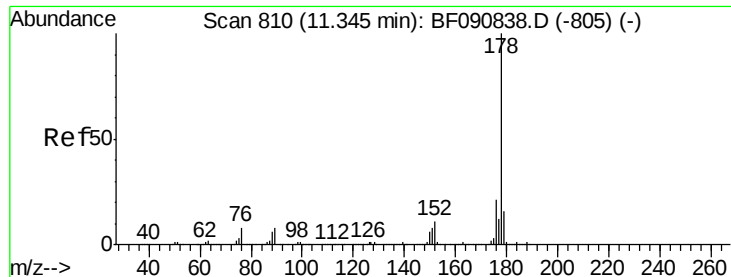
Delta R.T. 0.00 min

Lab File: BF090926.D

Acq: 31 Oct 2016 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	526343		
94	10.9	11.1	16.7#	
80	11.9	11.0	16.4	





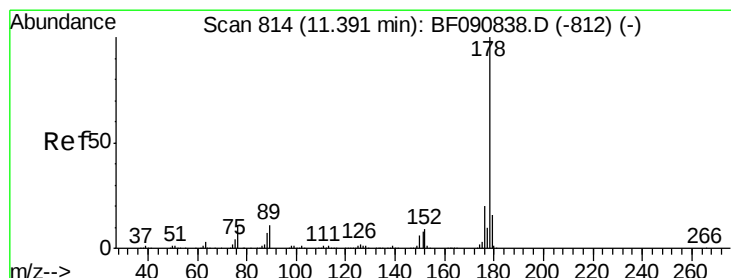
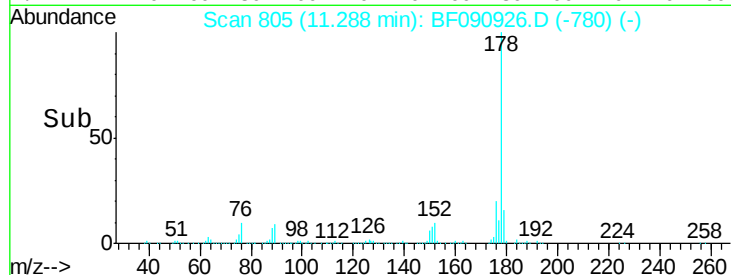
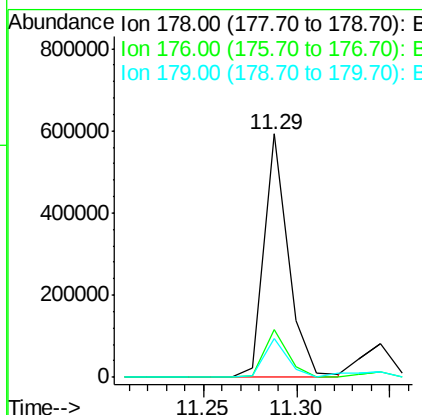
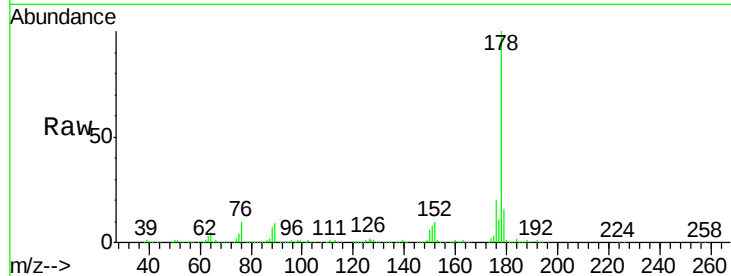
#70
Phenanthrene
Concen: 19.77 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF090926.D
Acq: 31 Oct 2016 14:22

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

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	13.8	20.8
179	15.7	12.2	18.2

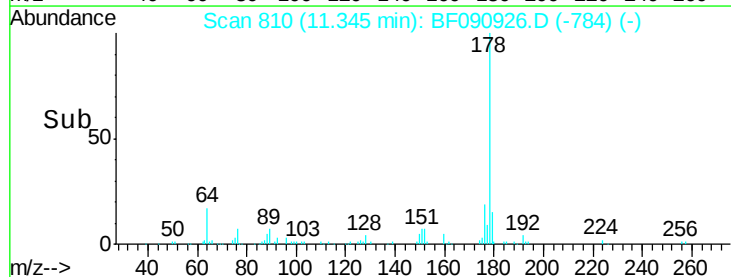
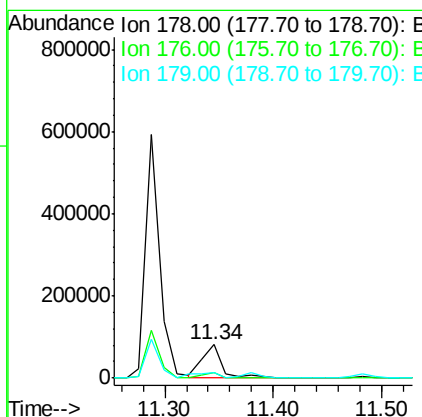
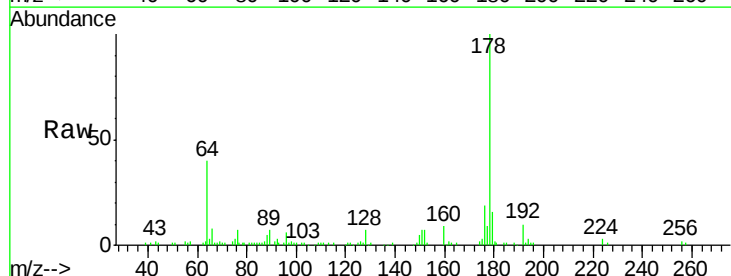
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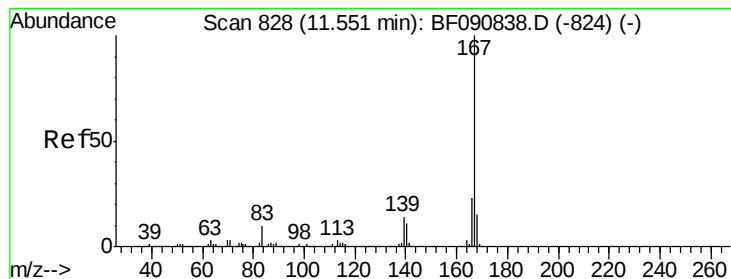
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#71
Anthracene
Concen: 3.68 ng
RT: 11.34 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF090926.D
Acq: 31 Oct 2016 14:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.1	21.1
179	15.7	12.2	18.2





#72

Carbazole

Concen: 2.08 ng

RT: 11.50 min Scan# 824

Delta R.T. 0.00 min

Lab File: BF090926.D

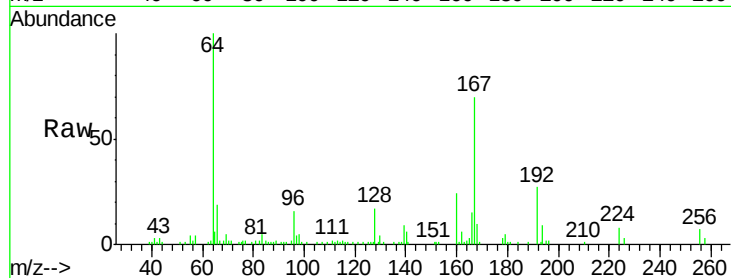
Acq: 31 Oct 2016 14:22

Instrument :

BNA_F

ClientSampleId :

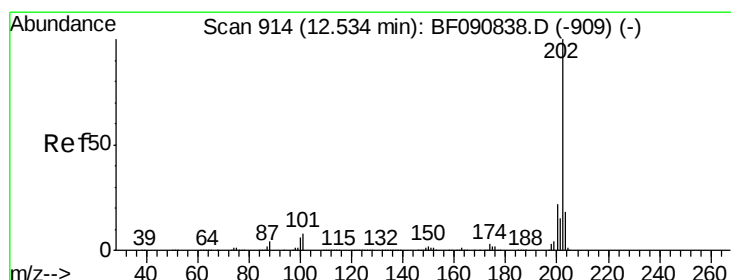
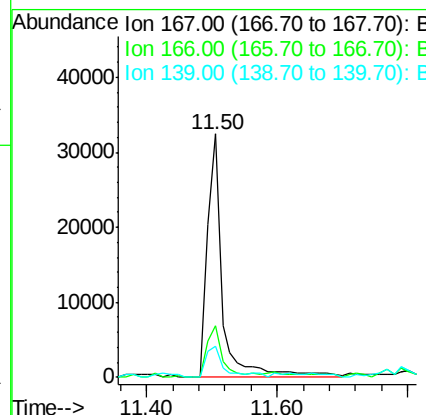
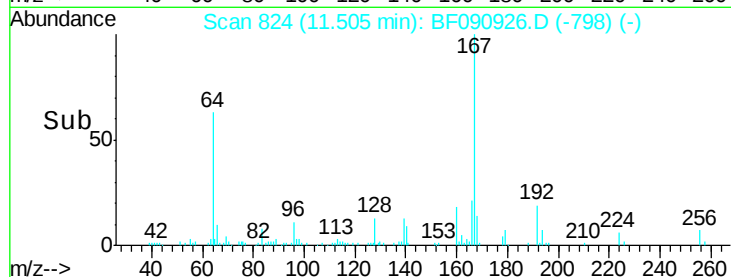
SB-2COMP(0-16FEET)RE



Tgt Ion:	167	Resp:	51733
Ion Ratio	Lower	Upper	
167	100		
166	21.0	15.7	23.5
139	12.9	9.5	14.3

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#74

Fluoranthene

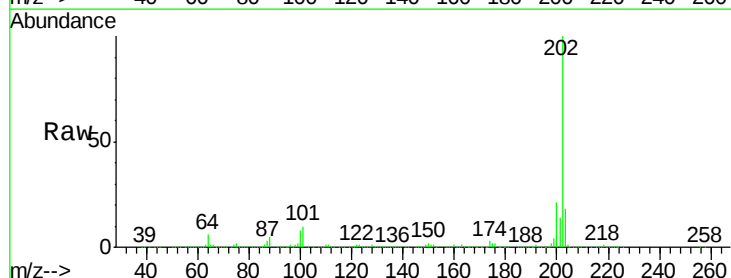
Concen: 18.17 ng

RT: 12.49 min Scan# 910

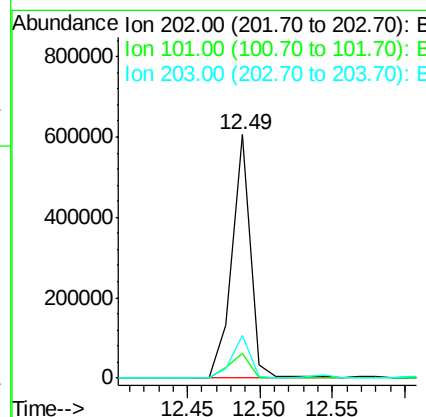
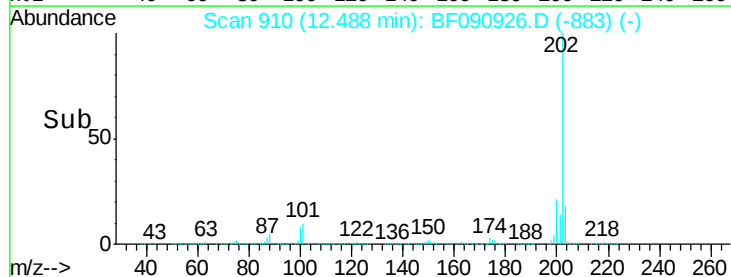
Delta R.T. 0.01 min

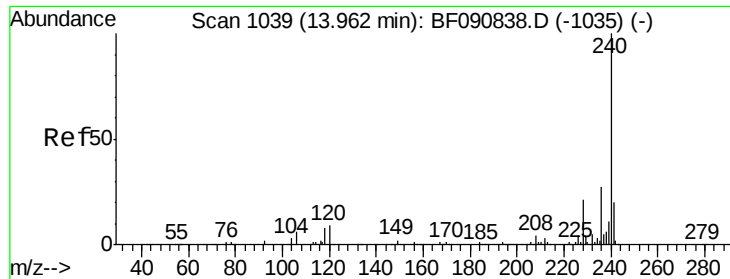
Lab File: BF090926.D

Acq: 31 Oct 2016 14:22



Tgt Ion:	202	Resp:	533285
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	38.3
203	17.7	0.0	37.3





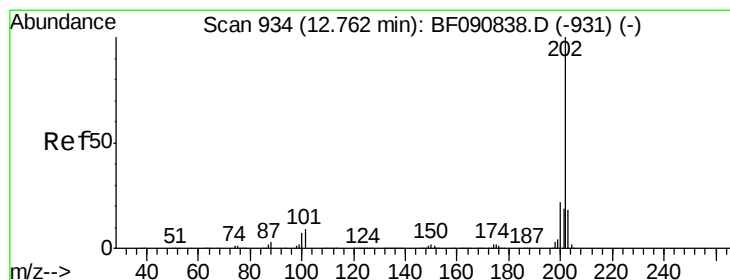
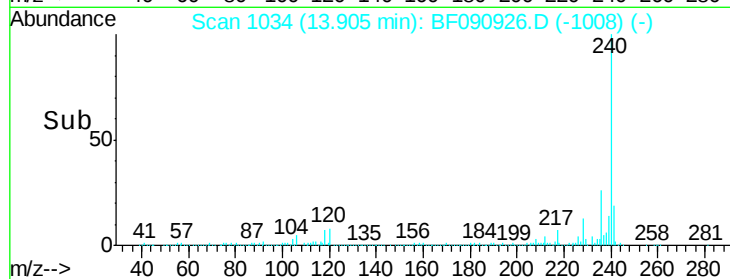
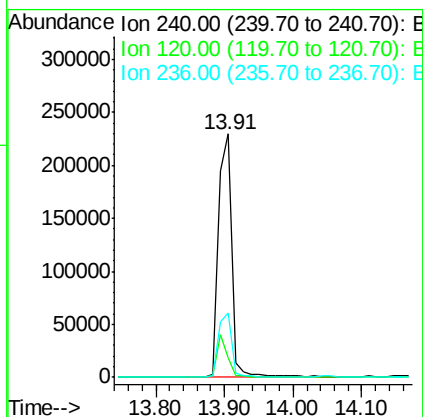
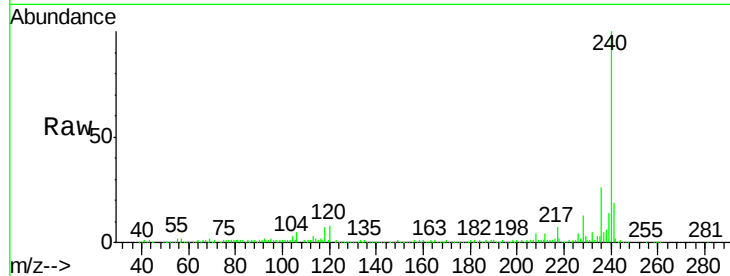
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.91 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF090926.D
Acq: 31 Oct 2016 14:22

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

Tgt Ion:240 Resp: 319030
Ion Ratio Lower Upper
240 100
120 8.1 16.2 24.2#
236 26.3 18.4 27.6

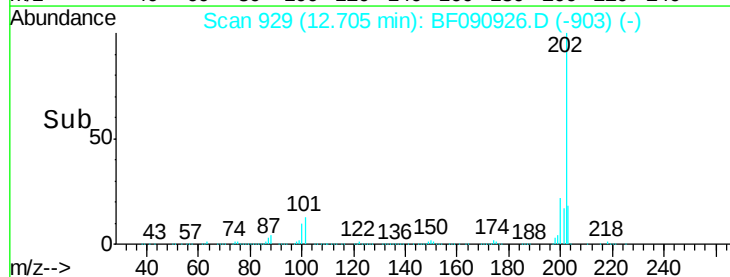
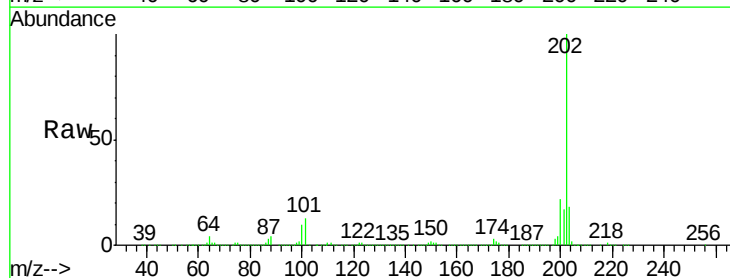
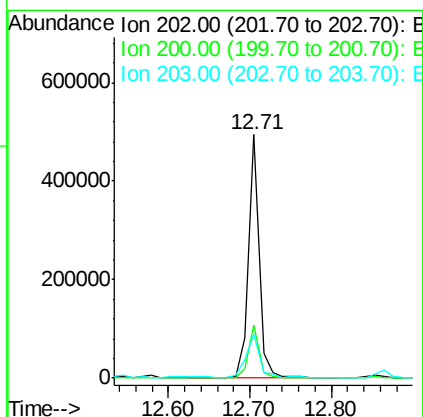
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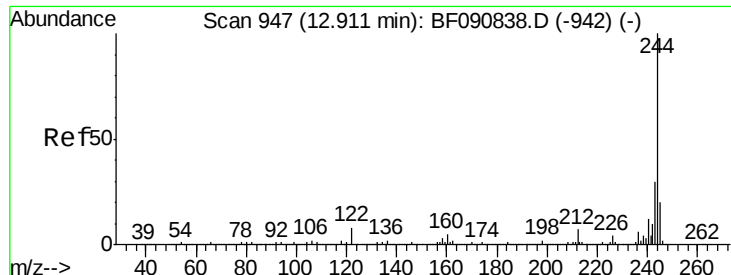
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#77
Pyrene
Concen: 21.89 ng
RT: 12.71 min Scan# 929
Delta R.T. 0.00 min
Lab File: BF090926.D
Acq: 31 Oct 2016 14:22

Tgt Ion:202 Resp: 441852
Ion Ratio Lower Upper
202 100
200 21.6 15.0 22.4
203 17.9 14.1 21.1





#78

Terphenyl-d14

Concen: 88.86 ng

RT: 12.85 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF090926.D

Acq: 31 Oct 2016 14:22

Instrument :

BNA_F

ClientSampleId :

SB-2COMP(0-16FEET)RE

Tgt Ion:244 Resp: 1125273

Ion Ratio Lower Upper

244 100

212 6.8 4.3 6.5#

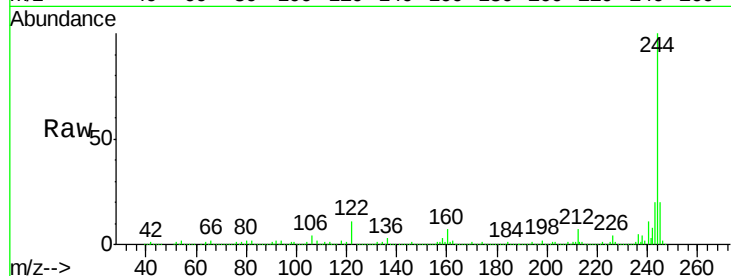
122 10.8 17.4 26.2#

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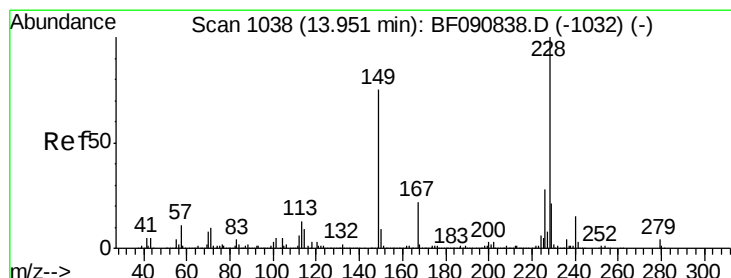
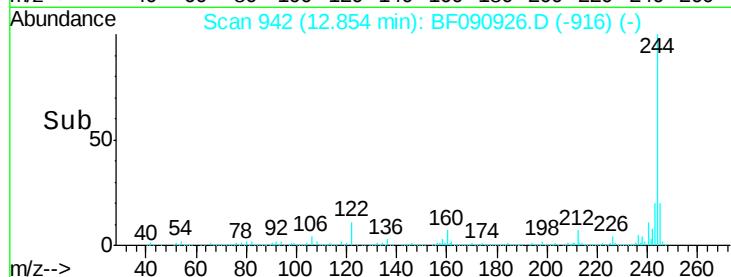
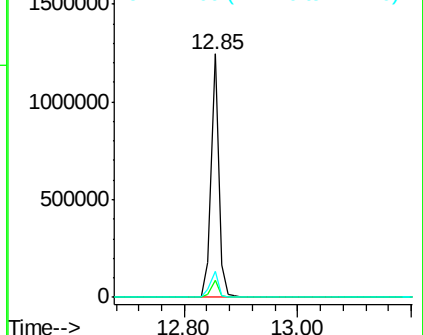
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 9.83 ng m

RT: 13.89 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF090926.D

Acq: 31 Oct 2016 14:22

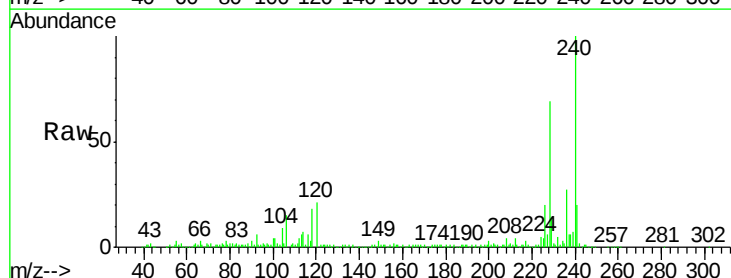
Tgt Ion:228 Resp: 166505

Ion Ratio Lower Upper

228 100

226 29.4 20.0 30.0

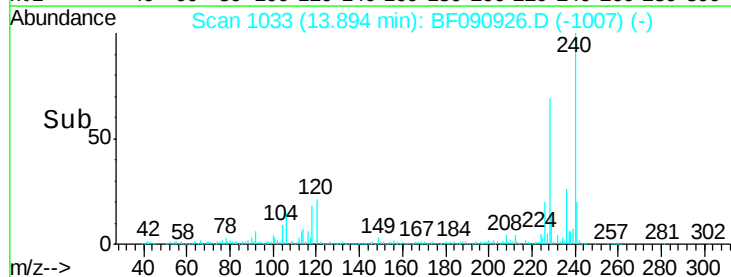
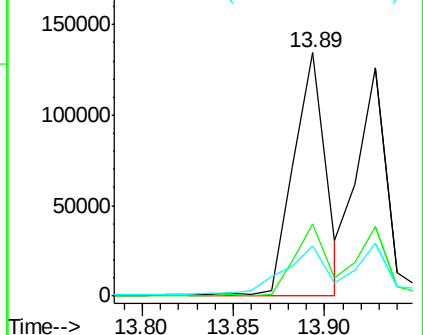
229 20.8 15.4 23.2

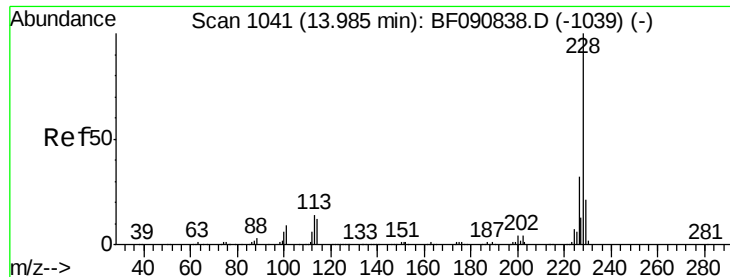


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.57 ng m

RT: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF090926.D

Acq: 31 Oct 2016 14:22

Instrument :

BNA_F

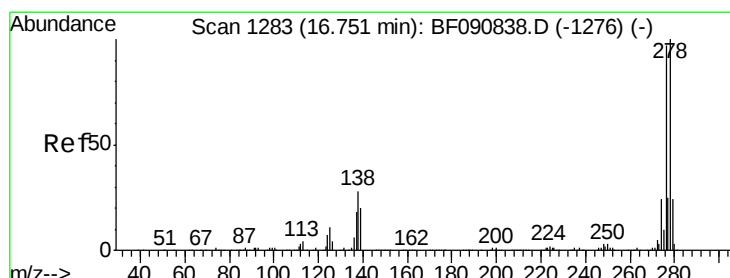
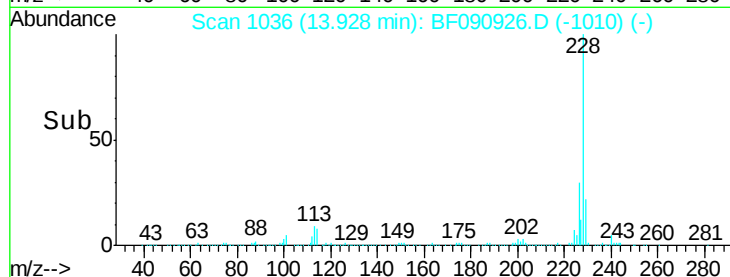
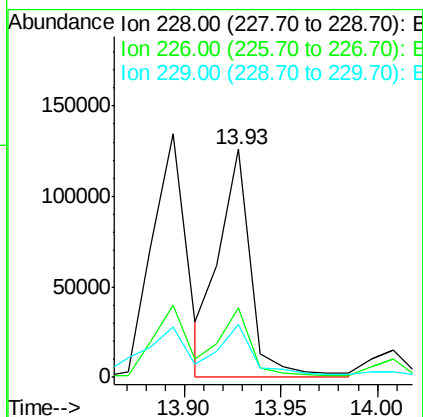
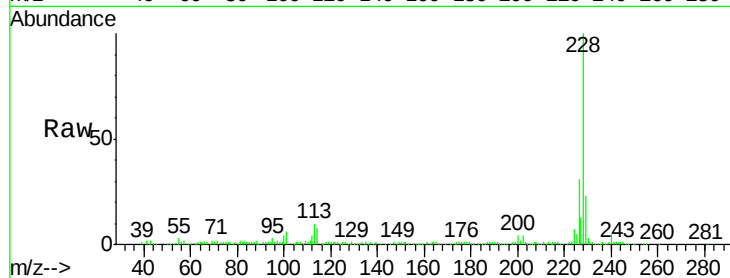
ClientSampleId :

SB-2COMP(0-16FEET)RE

Tgt Ion:	228	Resp:	146843
Ion Ratio	Lower	Upper	
228	100		
226	30.6	21.0	31.4
229	23.0	15.6	23.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.65 ng

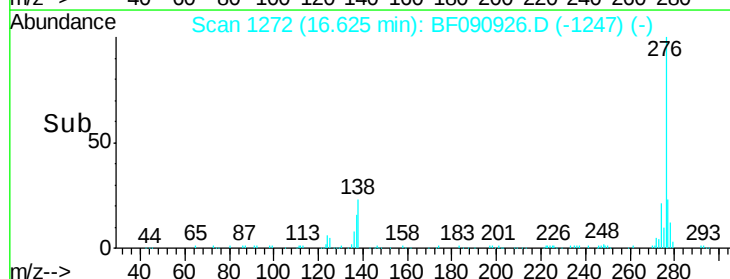
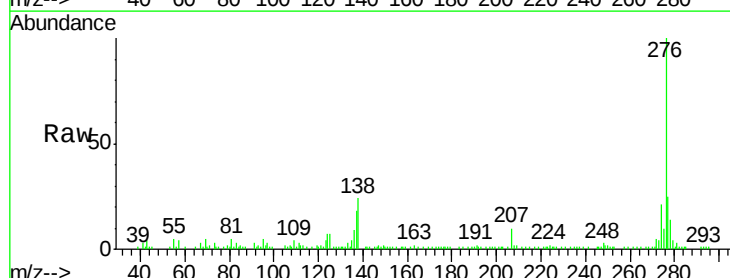
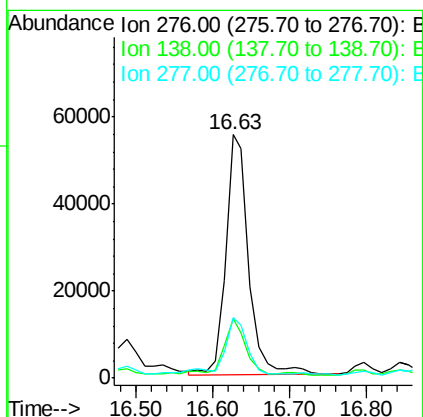
RT: 16.63 min Scan# 1272

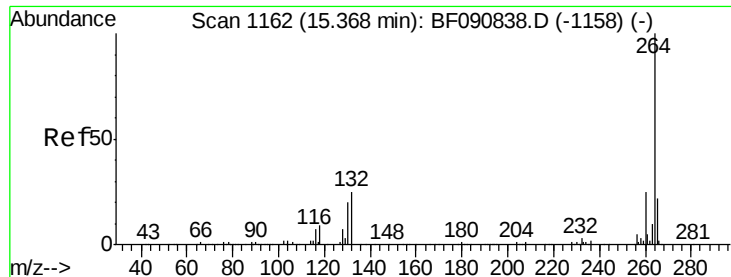
Delta R.T. -0.01 min

Lab File: BF090926.D

Acq: 31 Oct 2016 14:22

Tgt Ion:	276	Resp:	116074
Ion Ratio	Lower	Upper	
276	100		
138	23.7	25.7	38.5#
277	23.6	15.6	23.4#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.30 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF090926.D

Acq: 31 Oct 2016 14:22

Instrument :

BNA_F

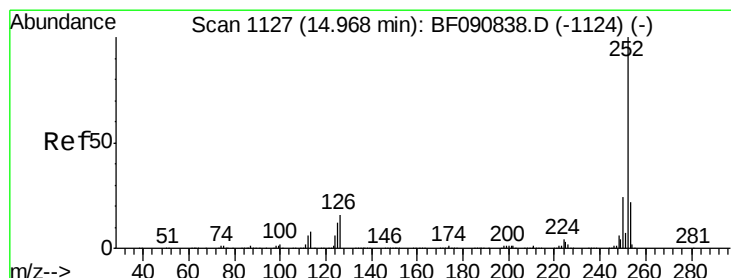
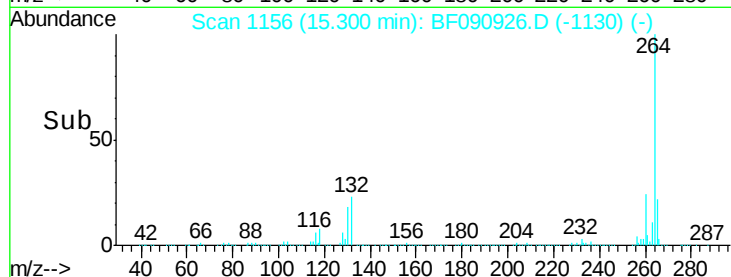
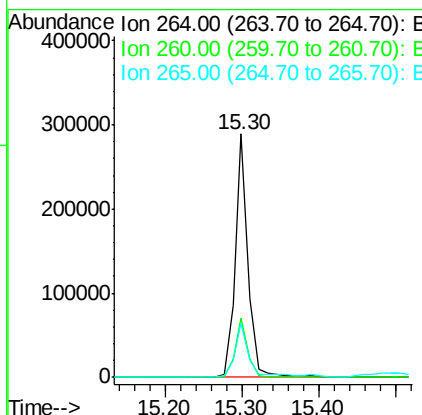
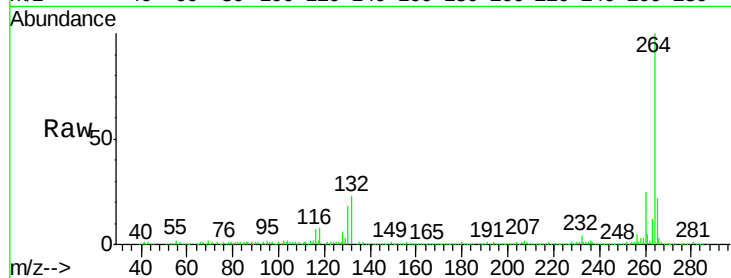
ClientSampleId :

SB-2COMP(0-16FEET)RE

Tgt Ion:	264	Resp:	343010
Ion Ratio		Lower	Upper
264	100		
260	24.6	16.7	25.1
265	22.1	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 9.31 ng m

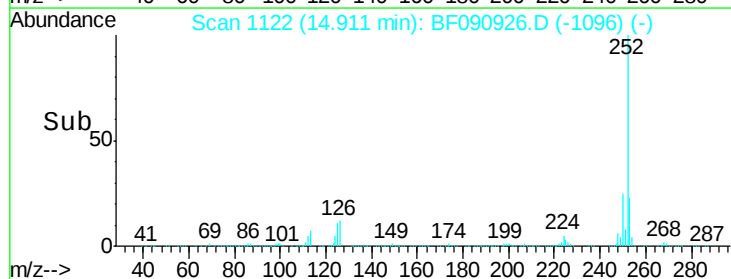
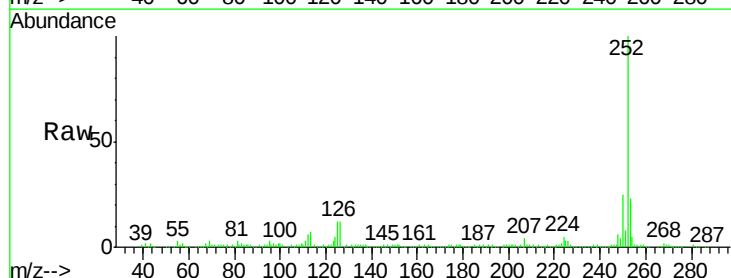
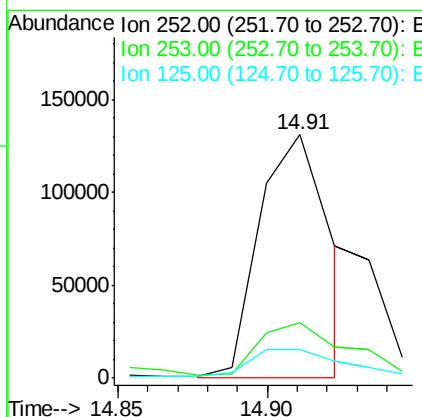
RT: 14.91 min Scan# 1122

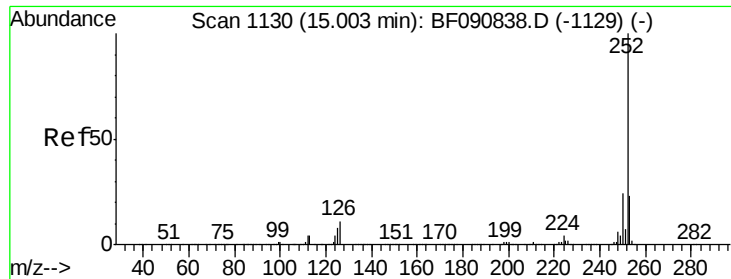
Delta R.T. 0.00 min

Lab File: BF090926.D

Acq: 31 Oct 2016 14:22

Tgt Ion:	252	Resp:	214734
Ion Ratio		Lower	Upper
252	100		
253	23.0	17.5	26.3
125	11.5	17.1	25.7#





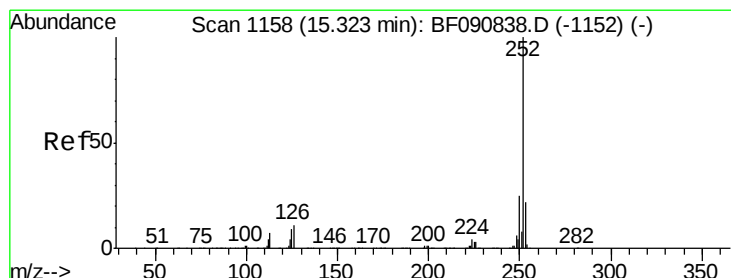
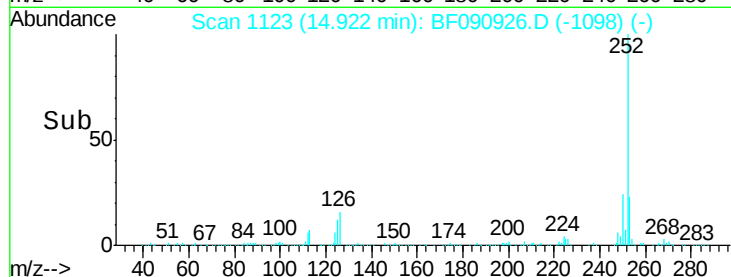
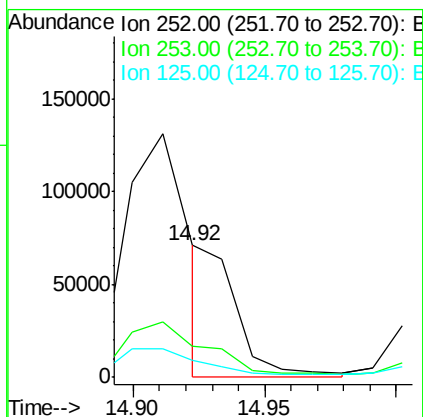
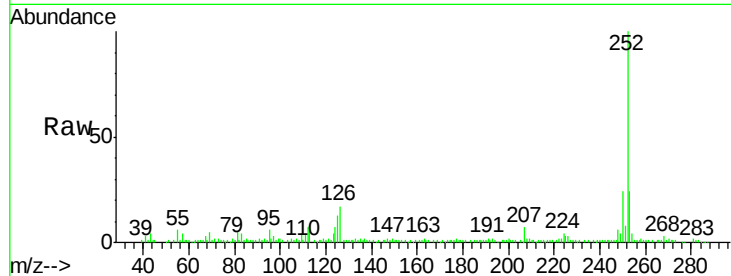
#88
Benzo(k)fluoranthene
Concen: 3.18 ng m
RT: 14.92 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF090926.D
Acq: 31 Oct 2016 14:22

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.4
125	13.3	16.0	24.0

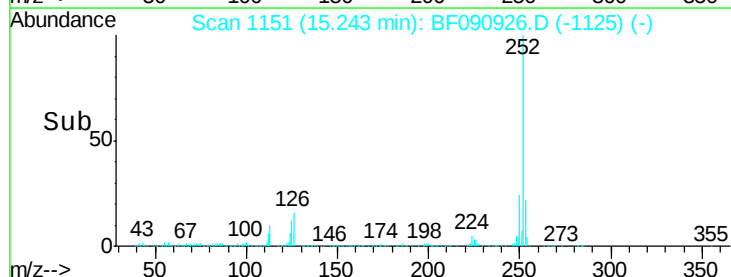
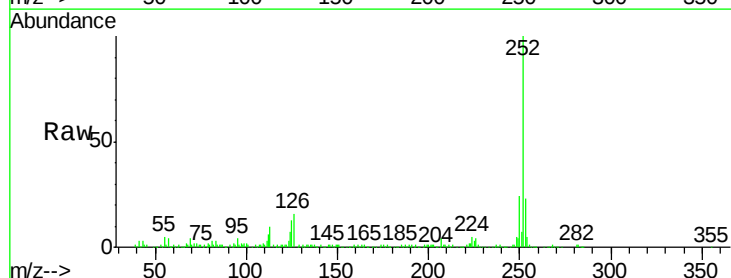
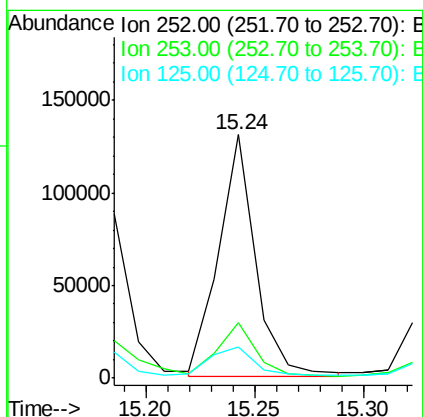
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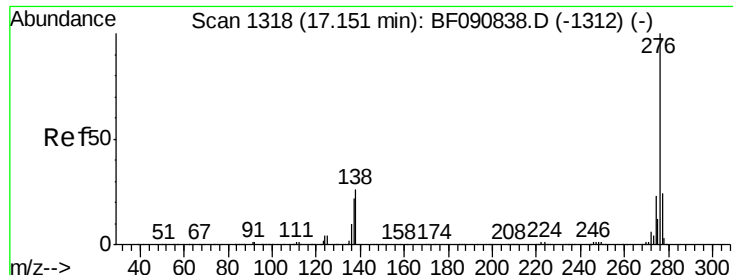
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#89
Benzo(a)pyrene
Concen: 7.75 ng
RT: 15.24 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF090926.D
Acq: 31 Oct 2016 14:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	12.8	18.0	27.0





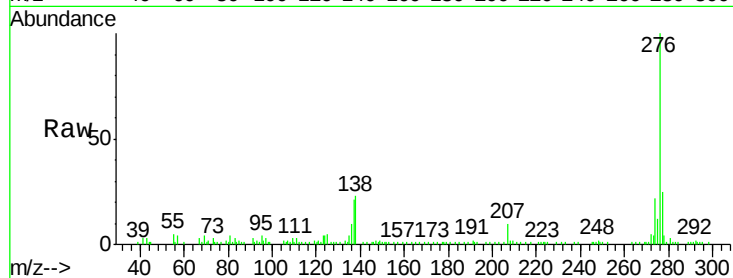
#91
 Benzo(g,h,i)perylene
 Concen: 7.70 ng
 RT: 17.03 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF090926.D
 Acq: 31 Oct 2016 14:22

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.6	17.8	26.6
138	22.8	34.6	51.8

Manual Integrations
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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

