

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
 Data File : BF090900.D
 Acq On : 28 Oct 2016 10:44
 Operator : UM/SJ
 Sample : H5423-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Nov 01 14:14:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 28 13:32:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	161894	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	660026	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	360341	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	573942	20.00	ng	0.00
75) Chrysene-d12	13.93	240	400737	20.00	ng	0.00
86) Perylene-d12	15.33	264	294019	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1506854	162.74	ng	0.00
7) Phenol-d6	6.41	99	1786018	142.97	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1346894	133.59	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	488290	131.86	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1545237	75.30	ng	-0.01
78) Terphenyl-d14	12.88	244	1339651	84.22	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.18	107	142398	14.16	ng	87
31) Naphthalene	8.06	128	96113	3.12	ng	97
49) Dimethylphthalate	9.53	163	767265	31.87	ng	# 98
51) Acenaphthene	9.84	154	51266	2.49	ng	89
57) Fluorene	10.35	166	51748	2.38	ng	93
70) Phenanthrene	11.31	178	604101	20.67	ng	96
71) Anthracene	11.36	178	119695	3.89	ng	96
72) Carbazole	11.52	167	59626	2.19	ng	# 94
74) Fluoranthene	12.51	202	616420	19.26	ng	93
77) Pyrene	12.73	202	548778	21.64	ng	96
80) Benzo(a)anthracene	13.92	228	198014m	9.31	ng	
82) Chrysene	13.95	228	177664m	8.26	ng	
85) Indeno(1,2,3-cd)pyrene	16.67	276	83167	4.36	ng	# 87
87) Benzo(b)fluoranthene	14.93	252	171762m	8.69	ng	
88) Benzo(k)fluoranthene	14.95	252	63616m	4.07	ng	
89) Benzo(a)pyrene	15.27	252	132197	7.78	ng	95
91) Benzo(g,h,i)perylene	17.08	276	84426	6.23	ng	# 79

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

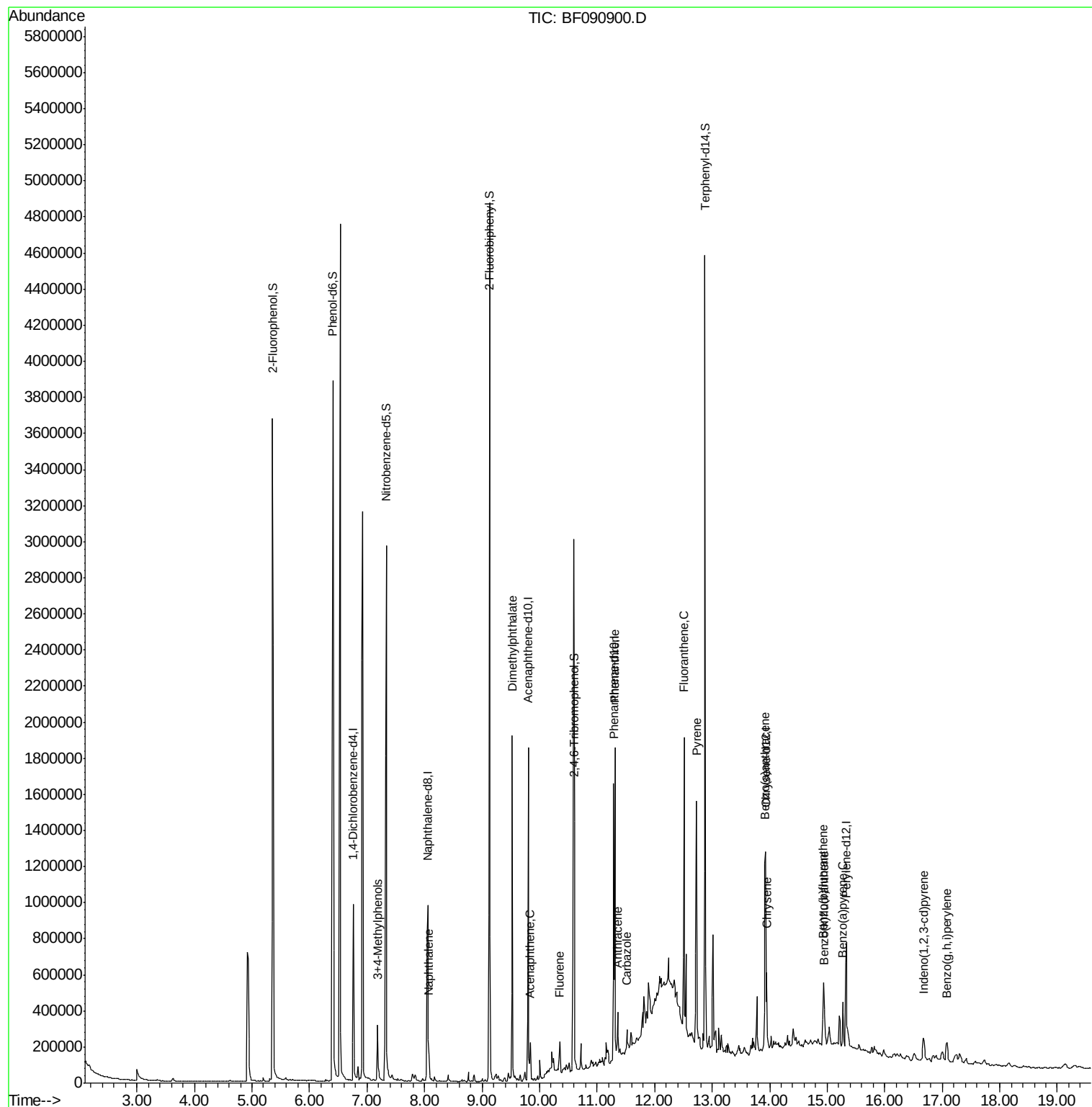
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090900.D
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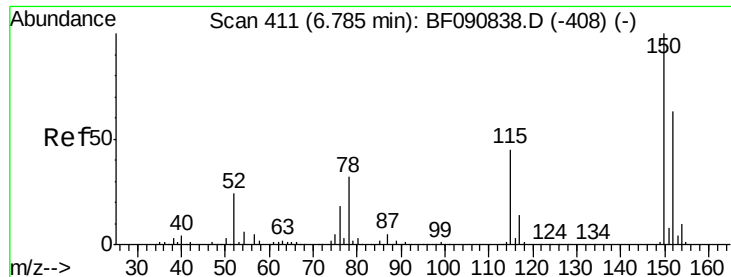
Instrument :
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SB-2COMP(0-16FEET)

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

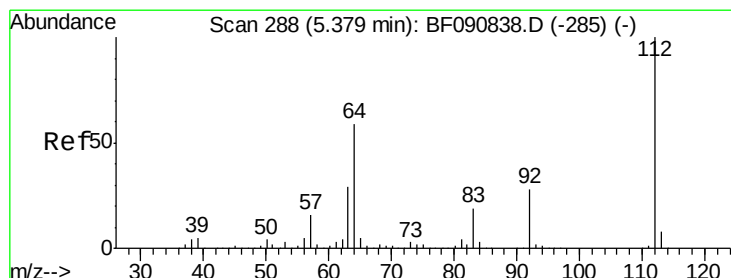
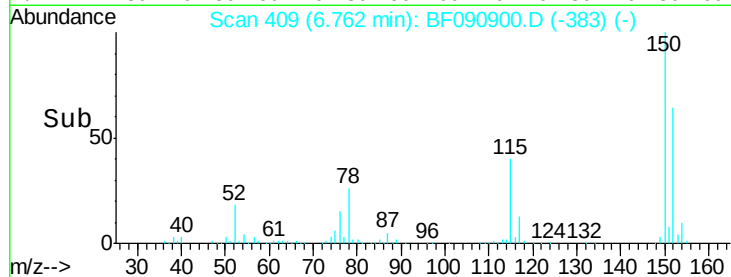
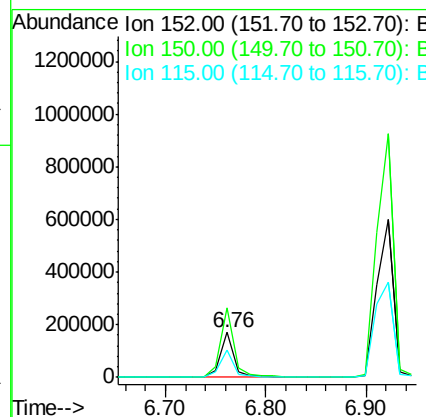
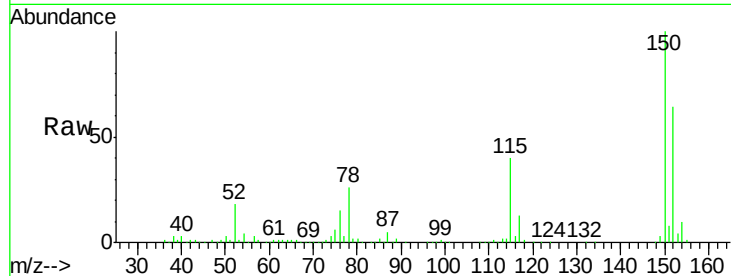
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. 0.00 min
Lab File: BF090900.D
Acq: 28 Oct 2016 10:44

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.7	187.1
115	61.9	39.0	58.4#

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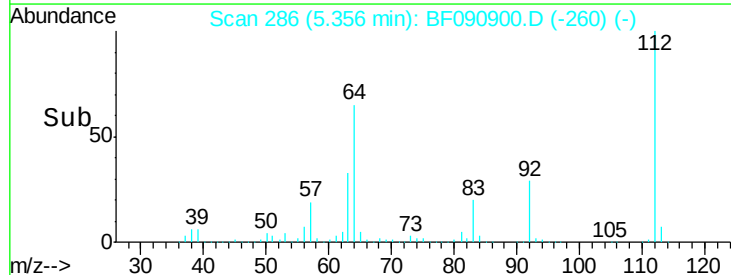
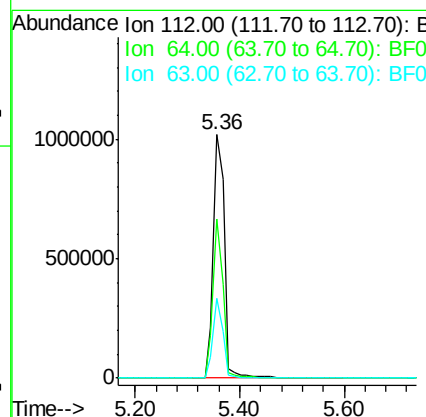
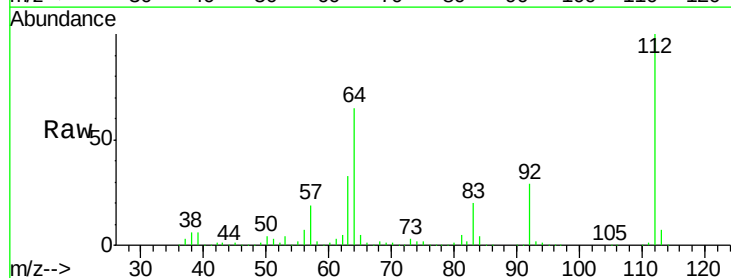
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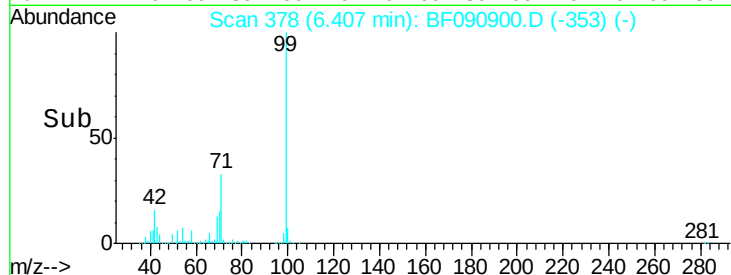
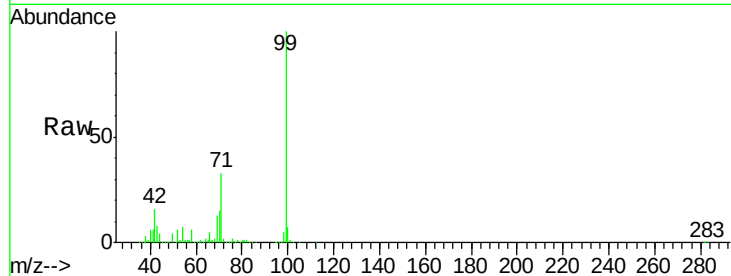
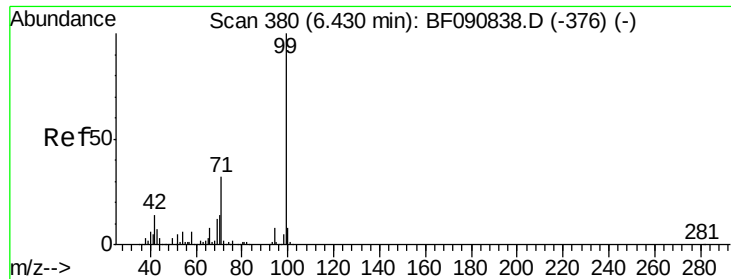


#5

2-Fluorophenol
Concen: 162.74 ng
RT: 5.36 min Scan# 286
Delta R.T. 0.00 min
Lab File: BF090900.D
Acq: 28 Oct 2016 10:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	39.7	59.5#
63	32.6	17.4	26.0#





#7

Phenol-d6

Concen: 142.97 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF090900.D

Acq: 28 Oct 2016 10:44

Tgt Ion:	99	Resp:	1786018
Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.7	20.5
71	33.2	14.2	21.2#

Instrument :

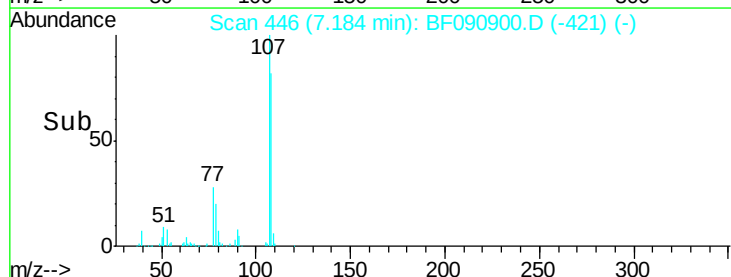
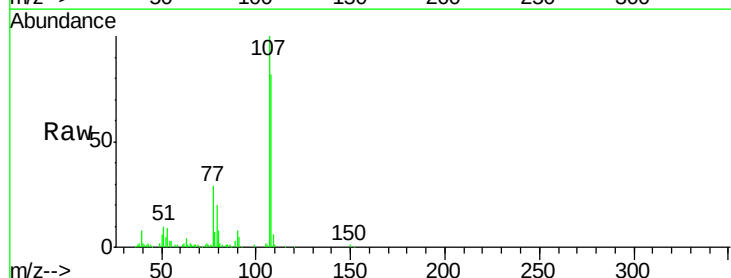
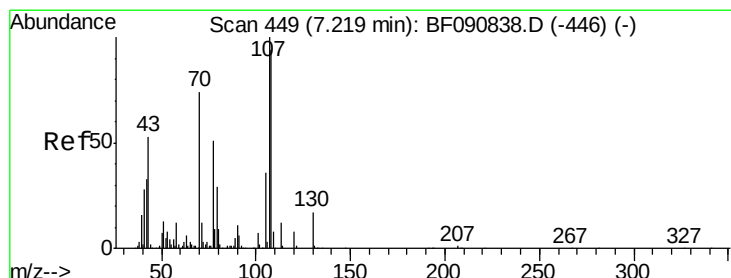
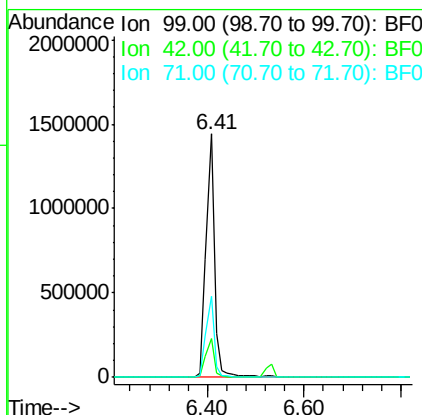
BNA_F

ClientSampleId :

SB-2COMP(0-16FEET)

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#20

3+4-Methylphenols

Concen: 14.16 ng

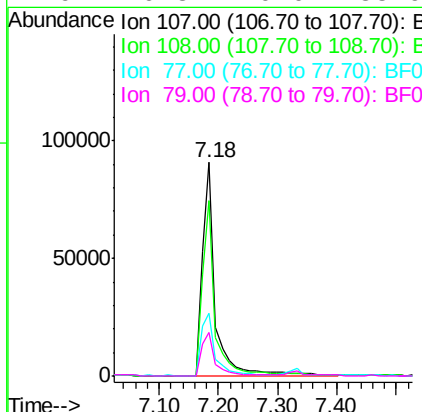
RT: 7.18 min Scan# 446

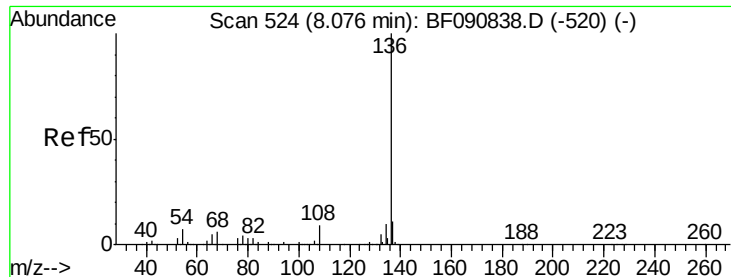
Delta R.T. -0.01 min

Lab File: BF090900.D

Acq: 28 Oct 2016 10:44

Tgt Ion:	107	Resp:	142398
Ion	Ratio	Lower	Upper
107	100		
108	81.9	74.6	114.6
77	29.2	0.7	40.7
79	20.3	0.0	38.9





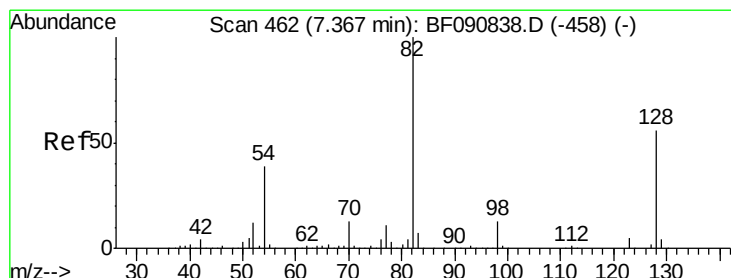
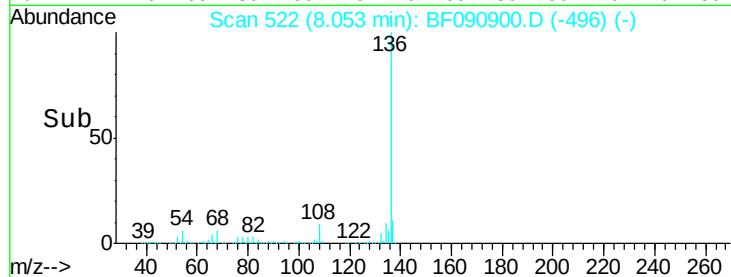
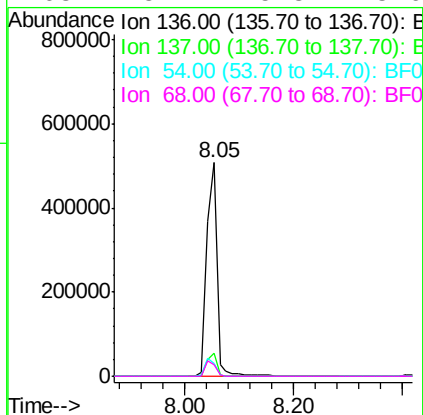
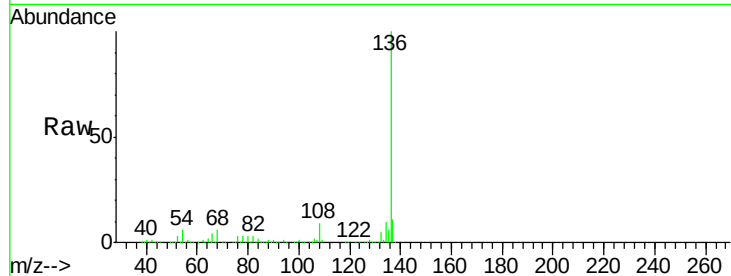
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. 0.00 min
Lab File: BF090900.D
Acq: 28 Oct 2016 10:44

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.8	9.0	13.6
54	6.0	8.2	12.2#
68	5.7	5.8	8.6#

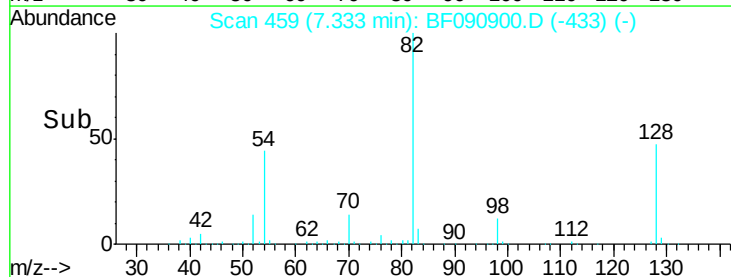
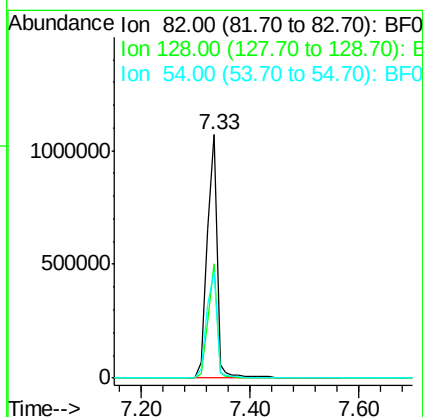
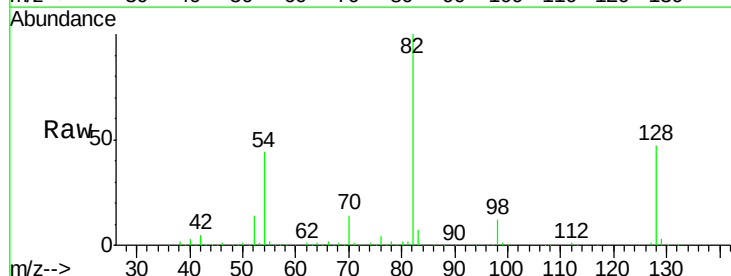
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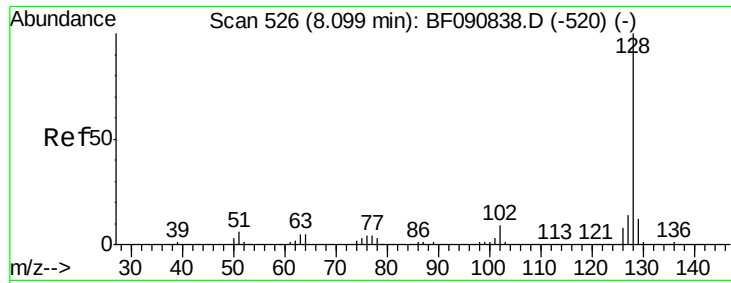
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#23
Nitrobenzene-d5
Concen: 133.59 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.00 min
Lab File: BF090900.D
Acq: 28 Oct 2016 10:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	47.2	51.0	76.6#
54	44.0	47.5	71.3#





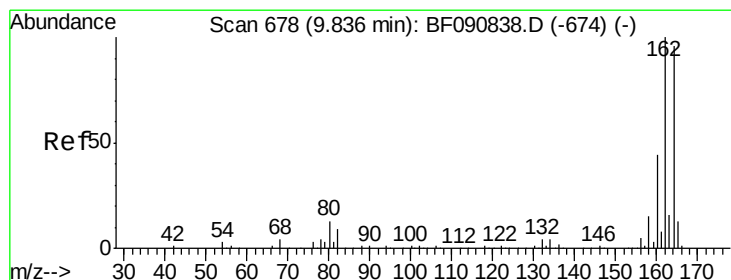
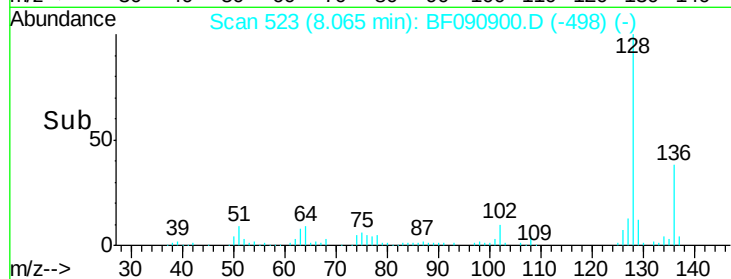
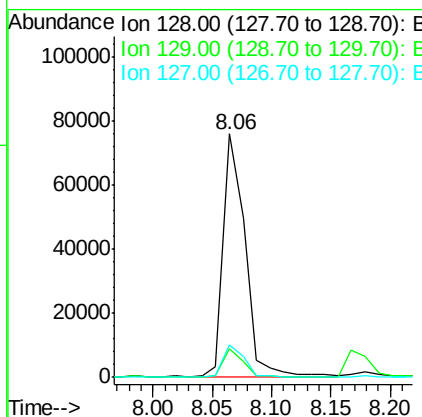
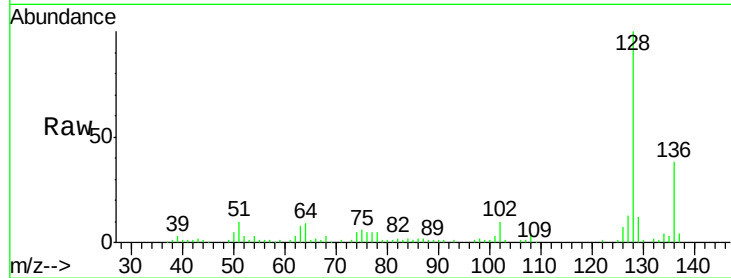
#31
Naphthalene
Concen: 3.12 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF090900.D
Acq: 28 Oct 2016 10:44

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.5	8.4	12.6
127	13.4	9.9	14.9

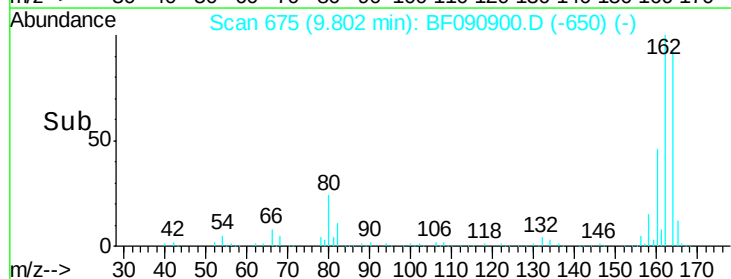
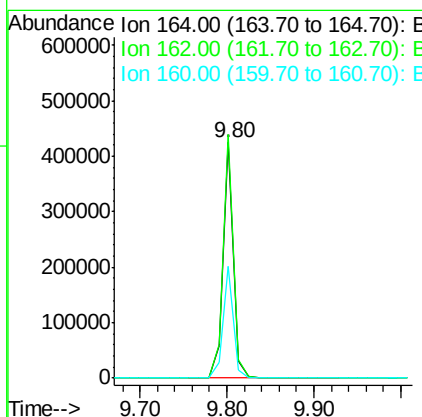
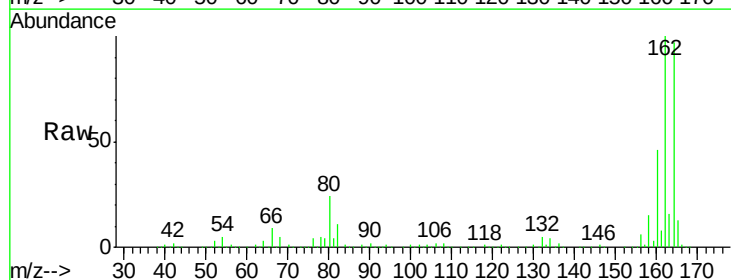
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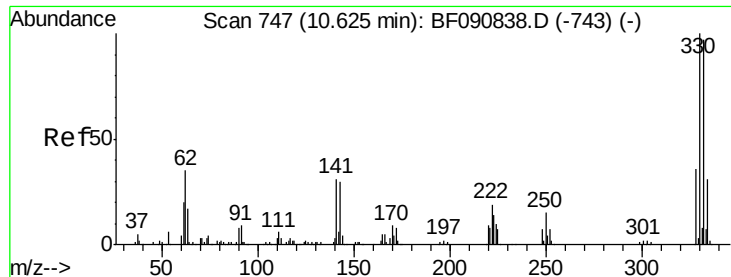
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF090900.D
Acq: 28 Oct 2016 10:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	103.3	75.2	112.8
160	47.3	31.5	47.3





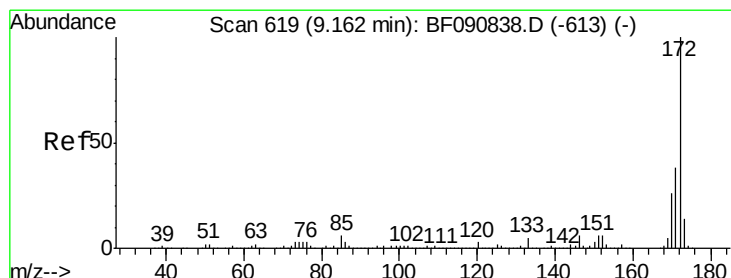
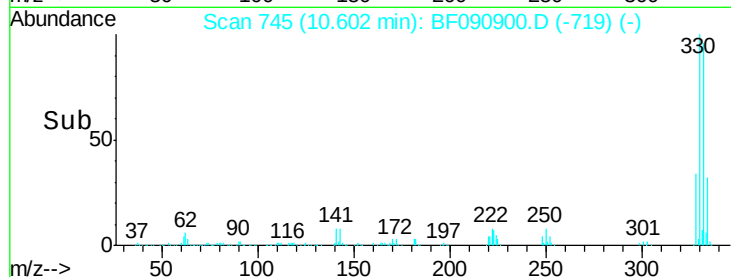
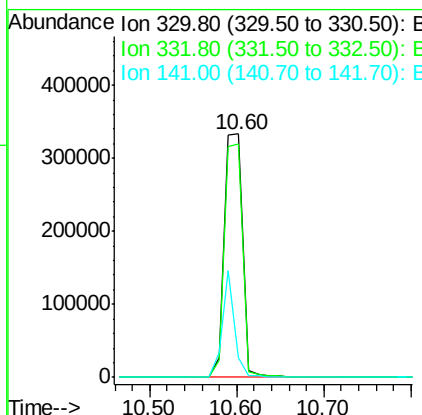
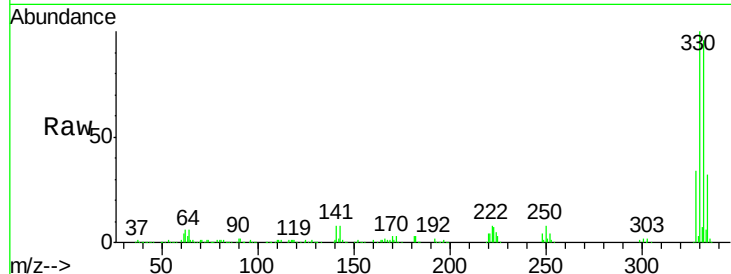
#41
 2,4,6-Tribromophenol
 Concen: 131.86 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF090900.D
 Acq: 28 Oct 2016 10:44

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

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	488290		
332	95.9	76.6	114.8	
141	30.5	29.7	44.5	

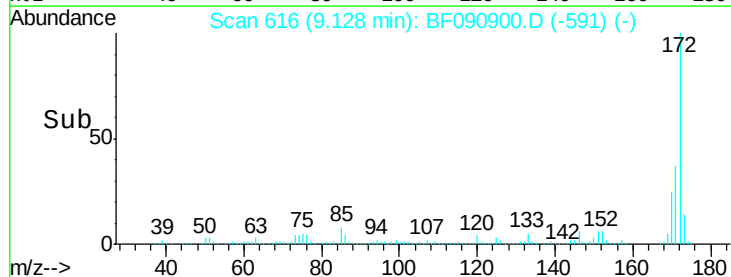
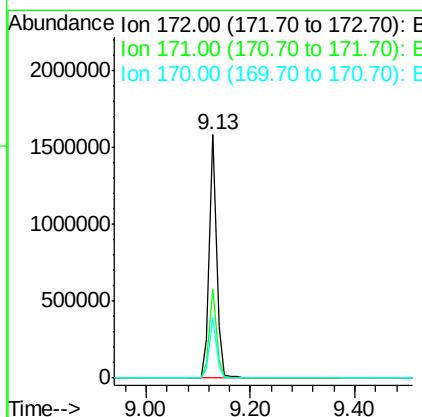
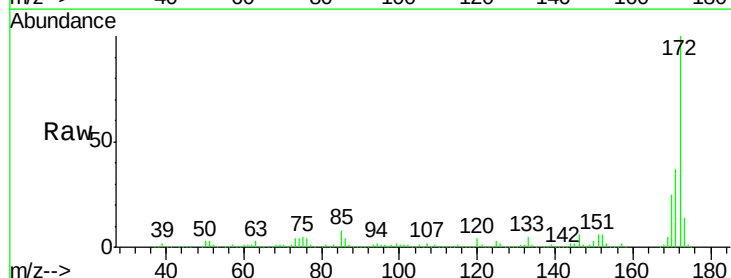
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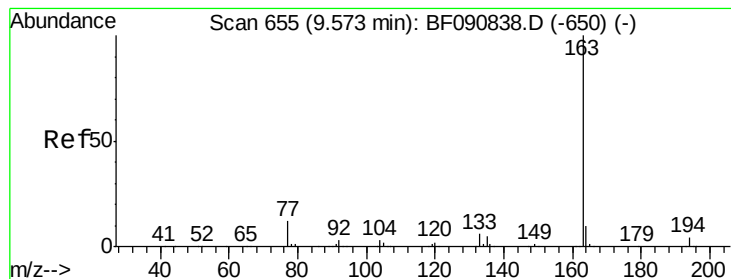
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#44
 2-Fluorobiphenyl
 Concen: 75.30 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF090900.D
 Acq: 28 Oct 2016 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1545237		
171	36.6	26.1	39.1	
170	25.1	17.4	26.2	





#49

Dimethylphthalate

Concen: 31.87 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.01 min

Lab File: BF090900.D

Acq: 28 Oct 2016 10:44

Instrument :

BNA_F

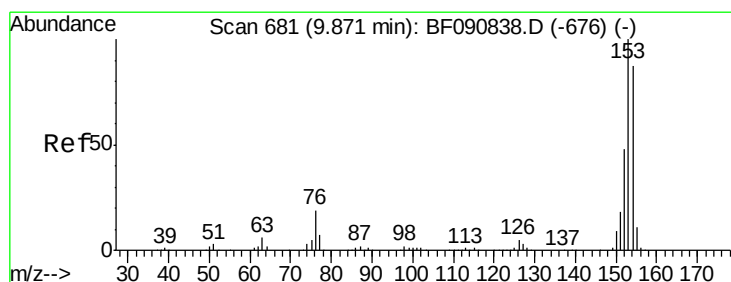
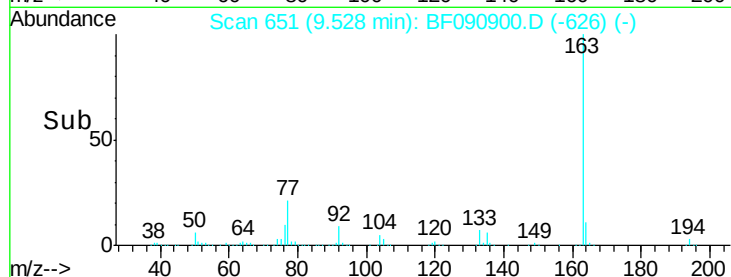
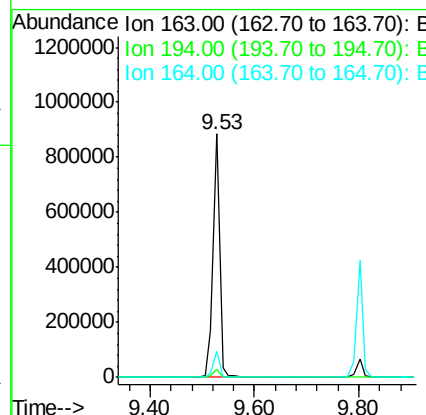
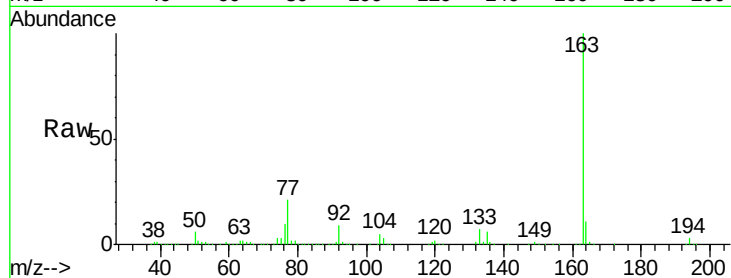
ClientSampleId :

SB-2COMP(0-16FEET)

Tgt Ion:	163	Resp:	767265
Ion Ratio	Lower	Upper	
163	100		
194	3.3	4.4	6.6#
164	10.5	8.3	12.5

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#51

Acenaphthene

Concen: 2.49 ng

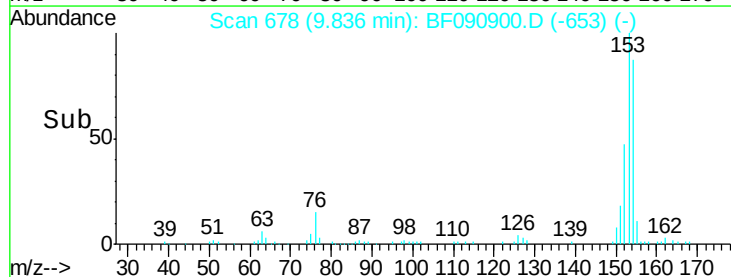
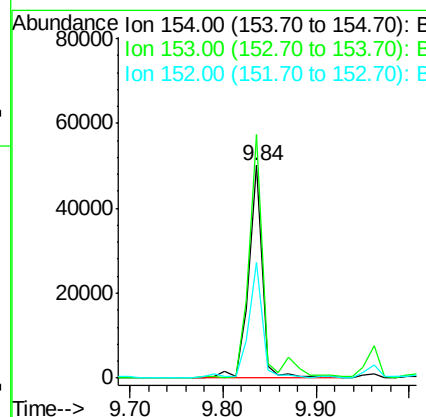
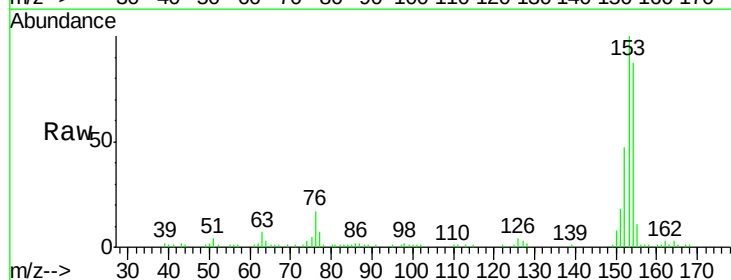
RT: 9.84 min Scan# 678

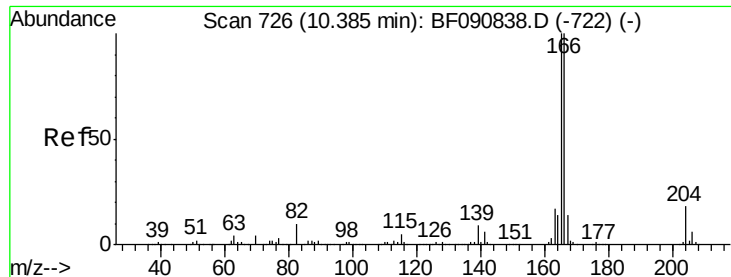
Delta R.T. -0.01 min

Lab File: BF090900.D

Acq: 28 Oct 2016 10:44

Tgt Ion:	154	Resp:	51266
Ion Ratio	Lower	Upper	
154	100		
153	114.5	82.1	123.1
152	54.4	37.9	56.9





#57

Fluorene

Concen: 2.38 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF090900.D

Acq: 28 Oct 2016 10:44

Instrument :

BNA_F

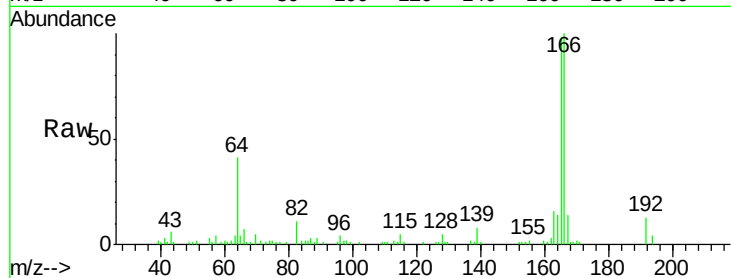
ClientSampleId :

SB-2COMP(0-16FEET)

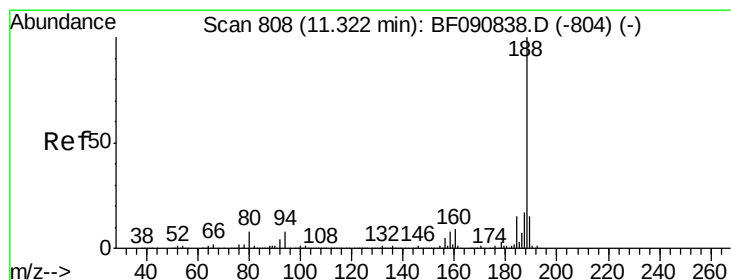
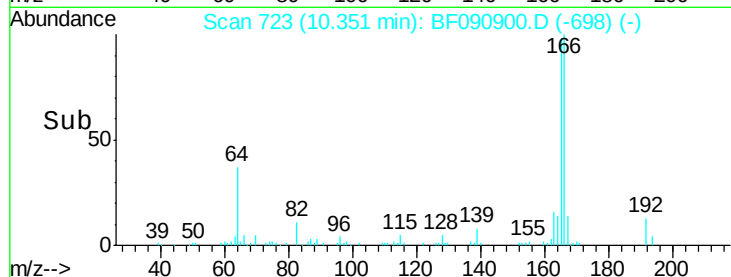
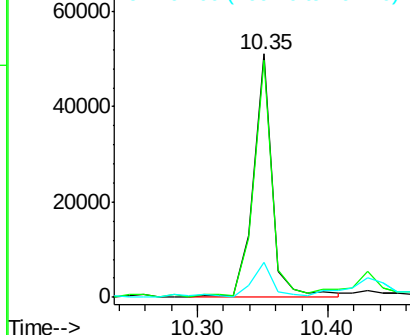
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	72.6	109.0
167	14.3	10.6	16.0

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

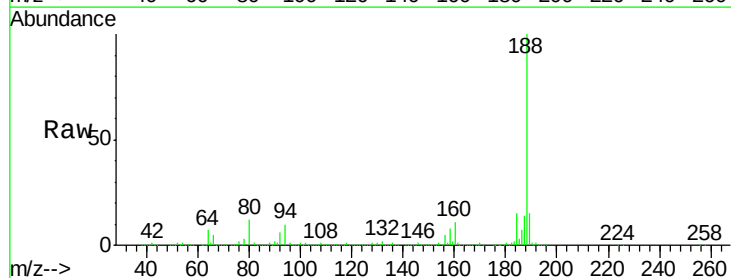
RT: 11.29 min Scan# 805

Delta R.T. 0.00 min

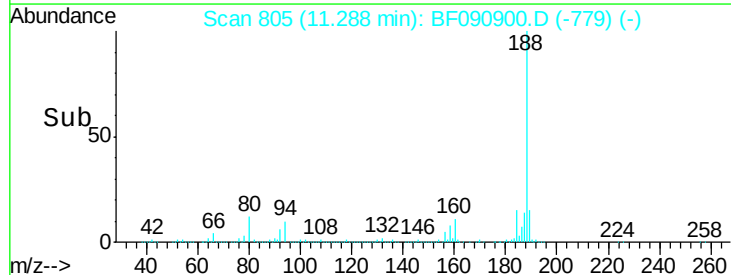
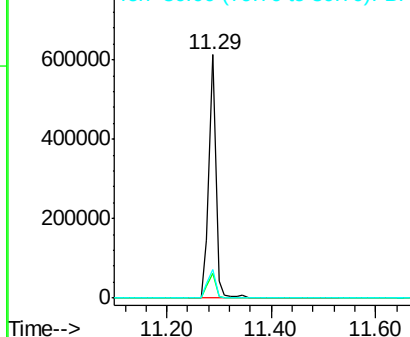
Lab File: BF090900.D

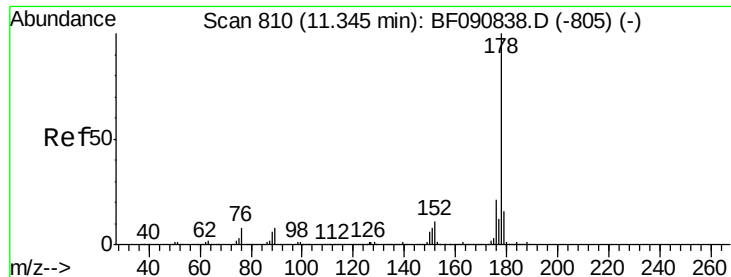
Acq: 28 Oct 2016 10:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	11.1	16.7#
80	11.5	11.0	16.4



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





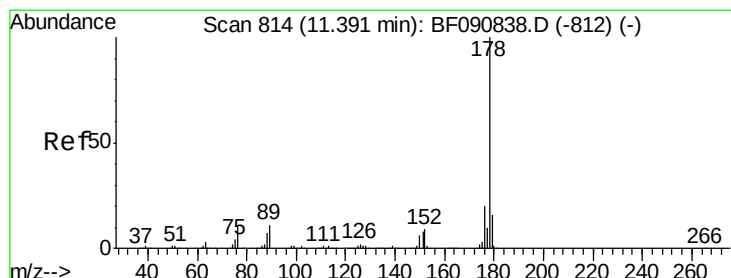
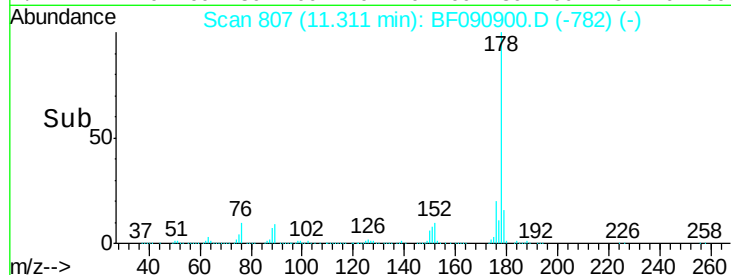
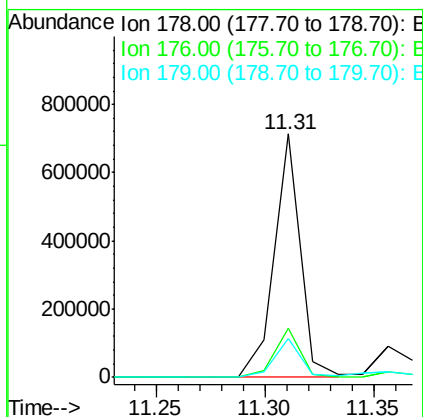
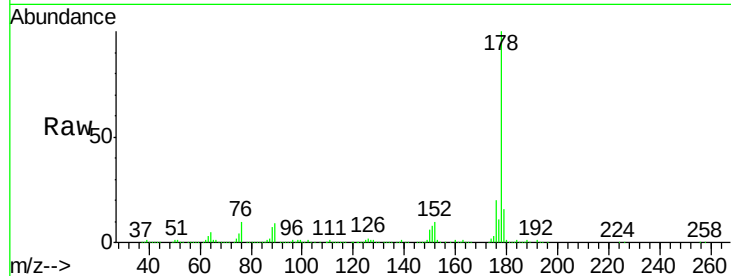
#70
Phenanthrene
Concen: 20.67 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF090900.D
Acq: 28 Oct 2016 10:44

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

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	13.8	20.8
179	16.0	12.2	18.2

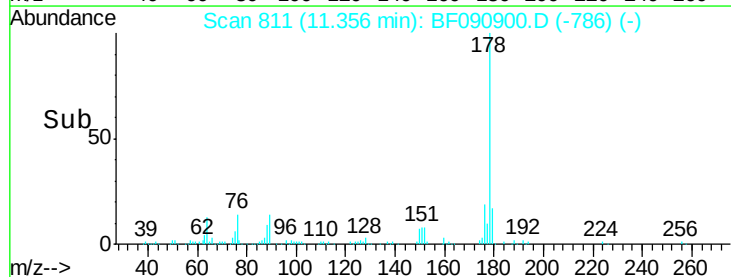
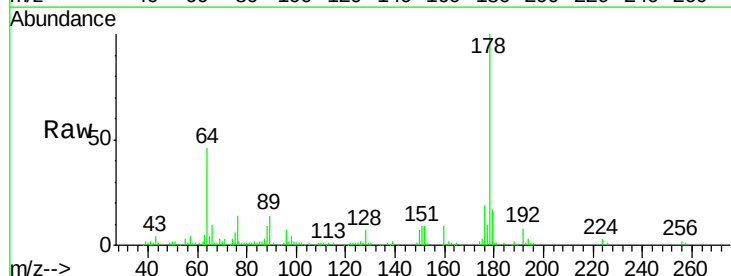
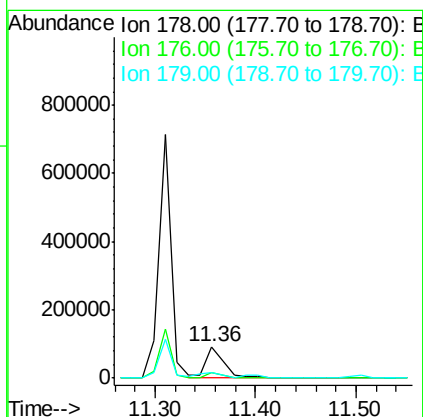
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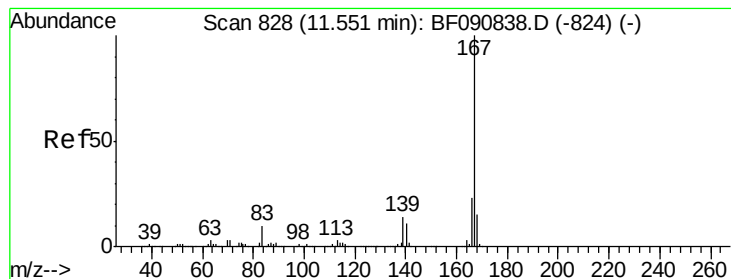
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#71
Anthracene
Concen: 3.89 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF090900.D
Acq: 28 Oct 2016 10:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.1	21.1
179	16.8	12.2	18.2





#72

Carbazole

Concen: 2.19 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF090900.D

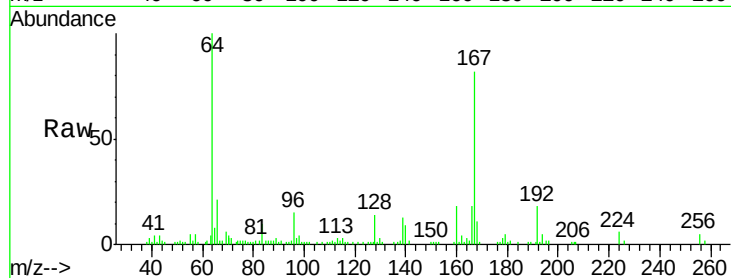
Acq: 28 Oct 2016 10:44

Instrument :

BNA_F

ClientSampleId :

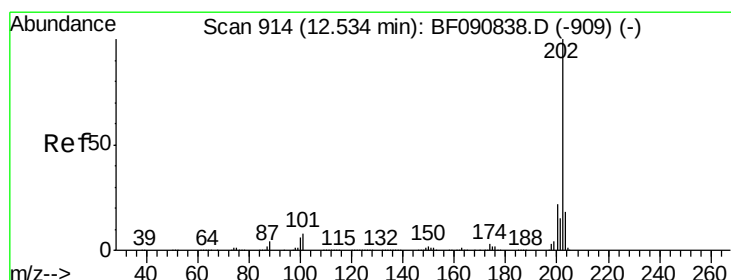
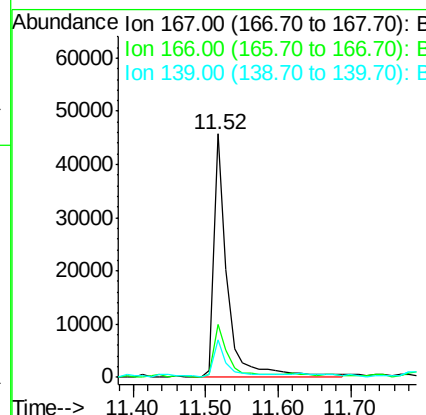
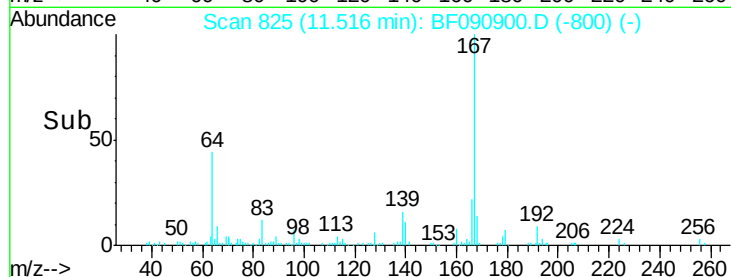
SB-2COMP(0-16FEET)



Tgt Ion:	167	Resp:	59626
Ion Ratio	Lower	Upper	
167	100		
166	21.5	15.7	23.5
139	15.5	9.5	14.3#

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#74

Fluoranthene

Concen: 19.26 ng

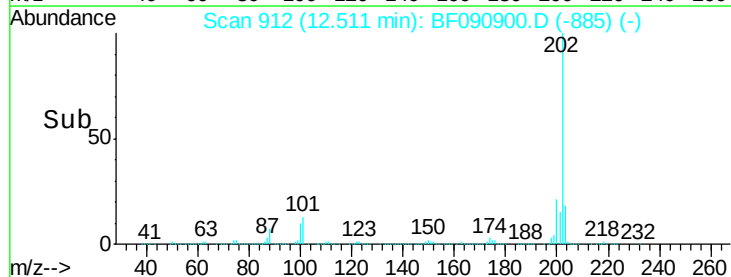
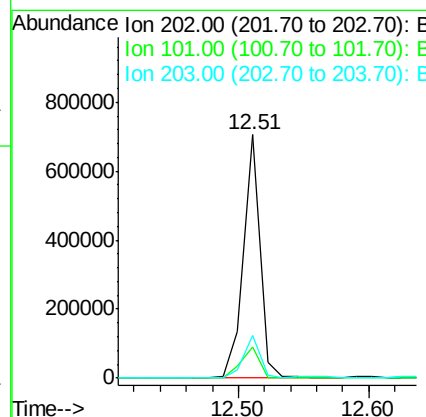
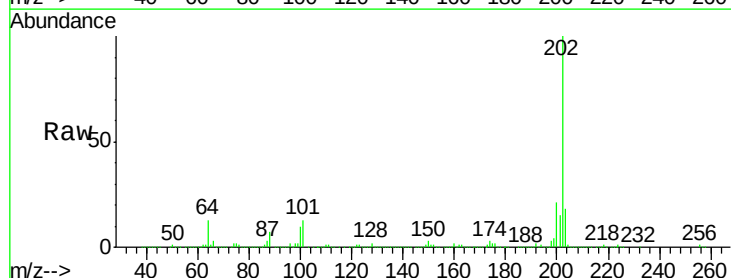
RT: 12.51 min Scan# 912

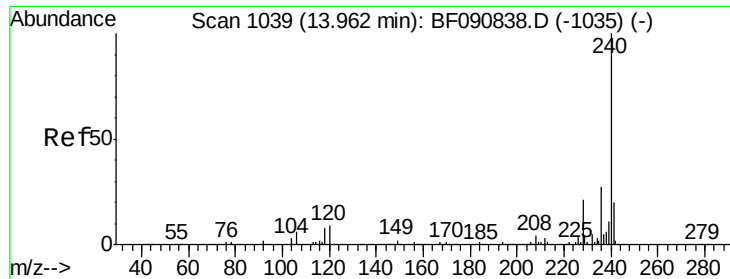
Delta R.T. 0.01 min

Lab File: BF090900.D

Acq: 28 Oct 2016 10:44

Tgt Ion:	202	Resp:	616420
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	38.3
203	17.5	0.0	37.3





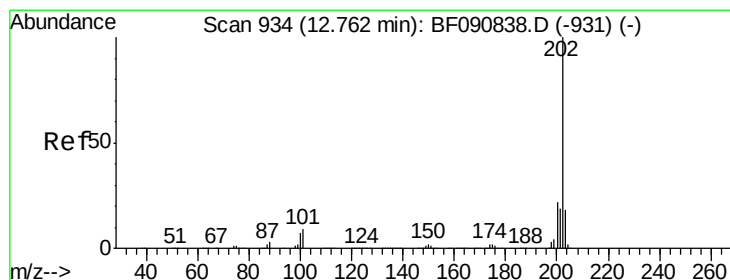
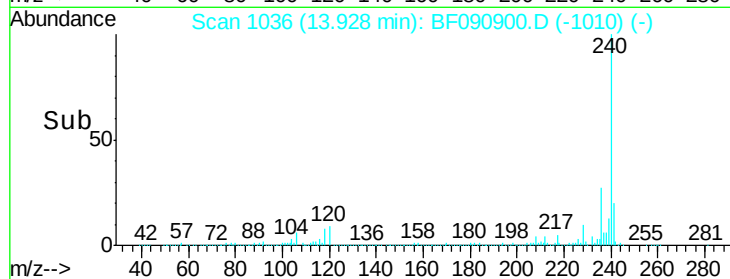
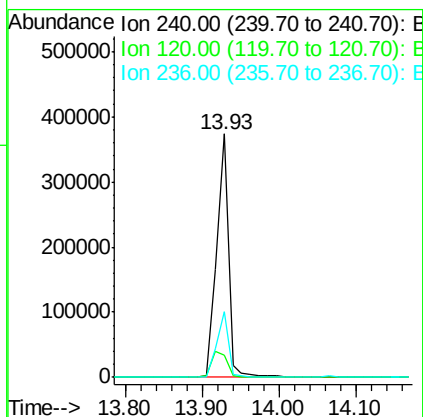
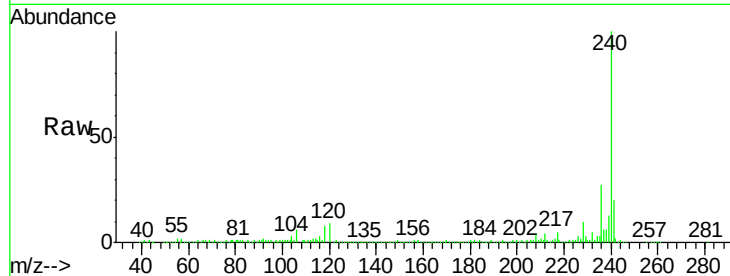
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF090900.D
Acq: 28 Oct 2016 10:44

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

Tgt Ion: 240 Resp: 400737
Ion Ratio Lower Upper
240 100
120 9.3 16.2 24.2#
236 26.9 18.4 27.6

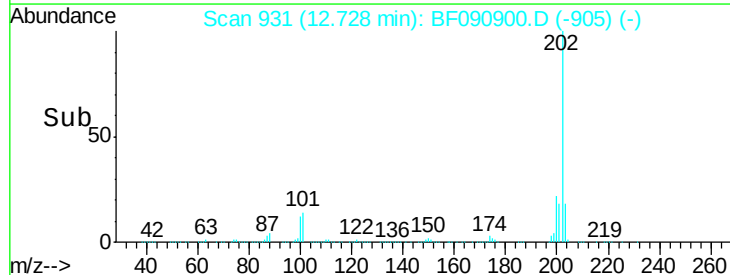
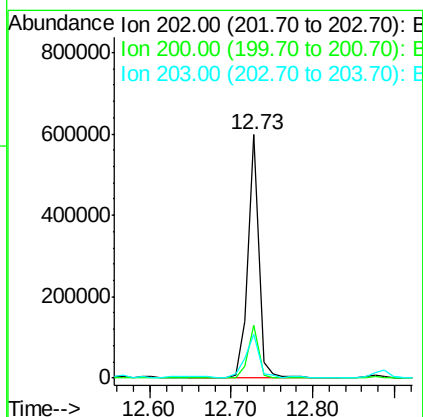
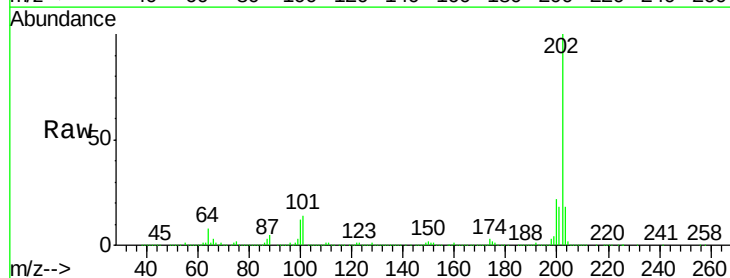
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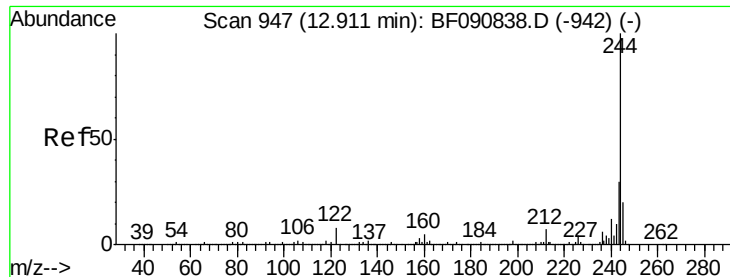
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#77
Pyrene
Concen: 21.64 ng
RT: 12.73 min Scan# 931
Delta R.T. 0.00 min
Lab File: BF090900.D
Acq: 28 Oct 2016 10:44

Tgt Ion: 202 Resp: 548778
Ion Ratio Lower Upper
202 100
200 21.9 15.0 22.4
203 18.0 14.1 21.1





#78

Terphenyl-d14

Concen: 84.22 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF090900.D

Acq: 28 Oct 2016 10:44

Instrument :

BNA_F

ClientSampleId :

SB-2COMP(0-16FEET)

Tgt Ion:244 Resp: 1339651

Ion Ratio Lower Upper

244 100

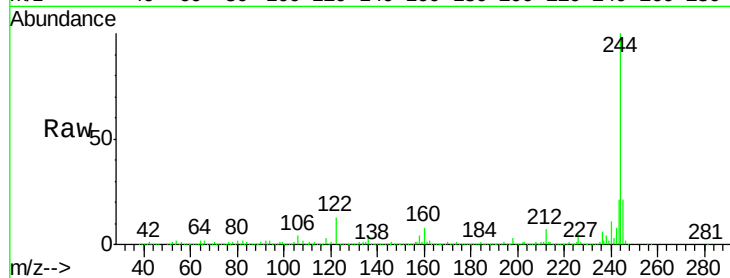
212 7.3 4.3 6.5#

122 12.8 17.4 26.2#

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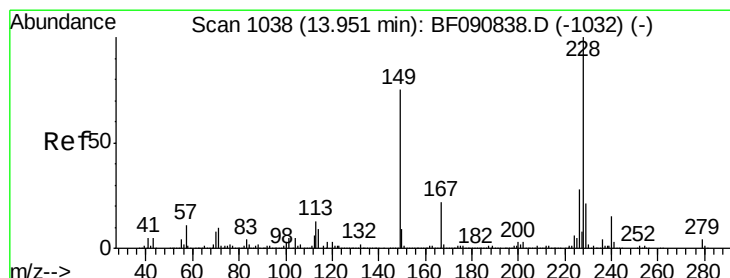
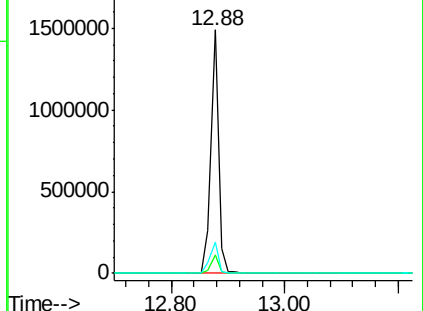
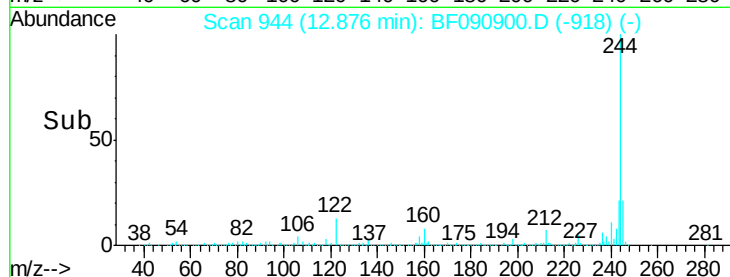
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 9.31 ng m

RT: 13.92 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF090900.D

Acq: 28 Oct 2016 10:44

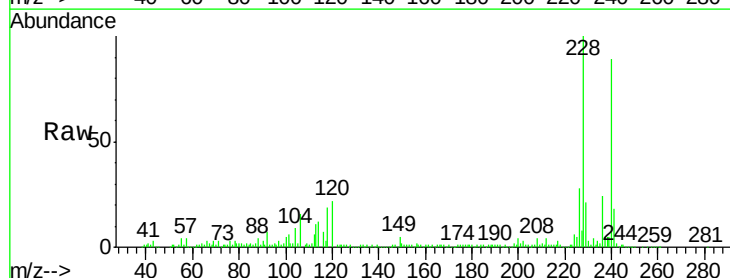
Tgt Ion:228 Resp: 198014

Ion Ratio Lower Upper

228 100

226 28.5 20.0 30.0

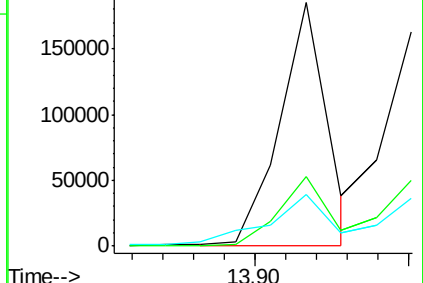
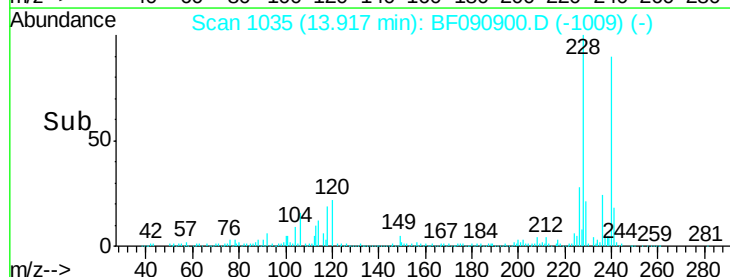
229 21.3 15.4 23.2

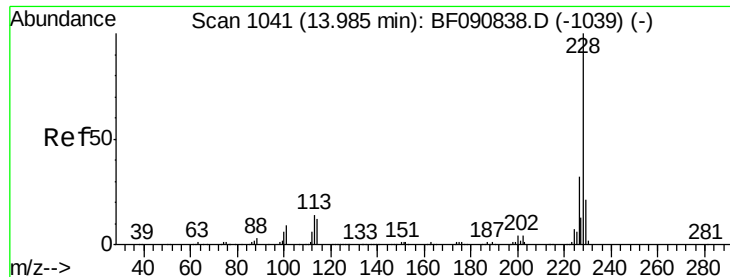


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.26 ng m

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF090900.D

Acq: 28 Oct 2016 10:44

Instrument :

BNA_F

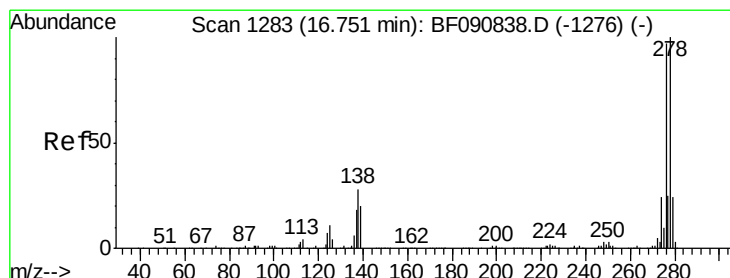
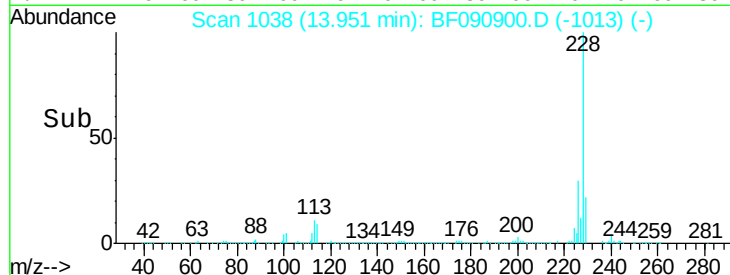
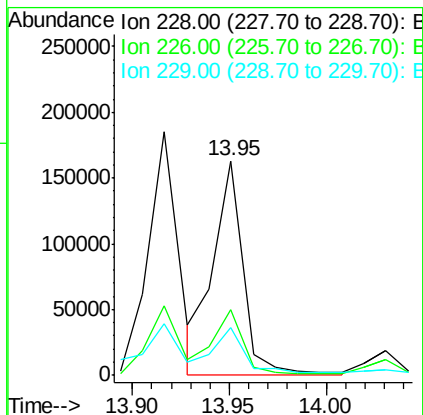
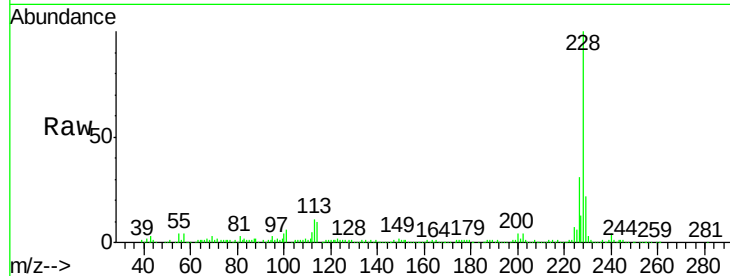
ClientSampleId :

SB-2COMP(0-16FEET)

Tgt Ion:	228	Resp:	177664
Ion Ratio	Lower	Upper	
228	100		
226	30.5	21.0	31.4
229	22.4	15.6	23.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.36 ng

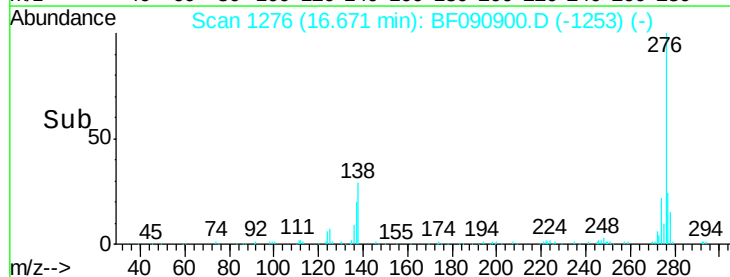
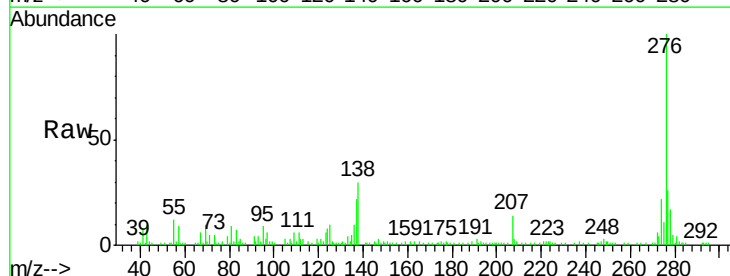
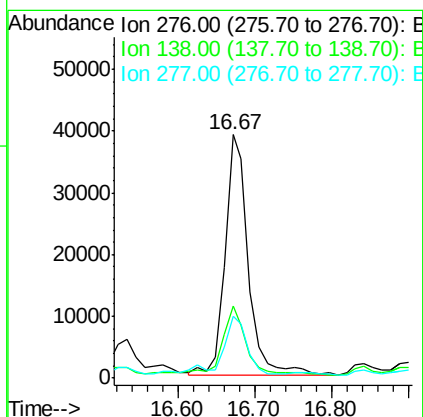
RT: 16.67 min Scan# 1276

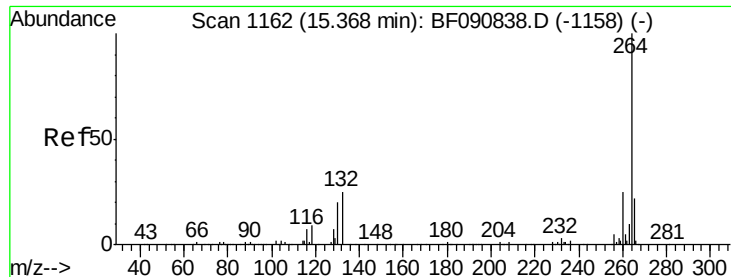
Delta R.T. -0.03 min

Lab File: BF090900.D

Acq: 28 Oct 2016 10:44

Tgt Ion:	276	Resp:	83167
Ion Ratio	Lower	Upper	
276	100		
138	26.5	25.7	38.5
277	27.8	15.6	23.4





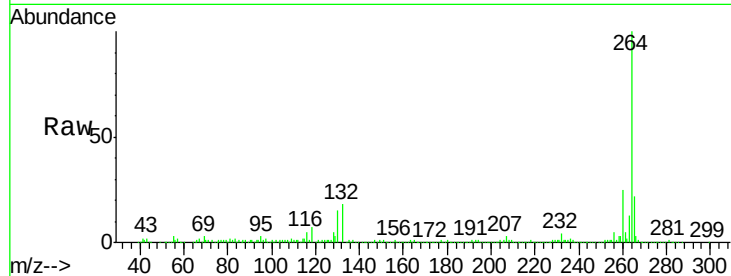
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF090900.D
Acq: 28 Oct 2016 10:44

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

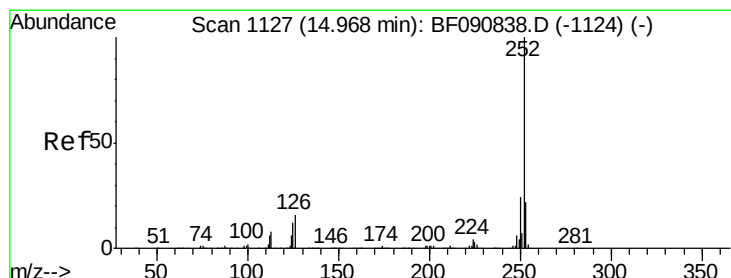
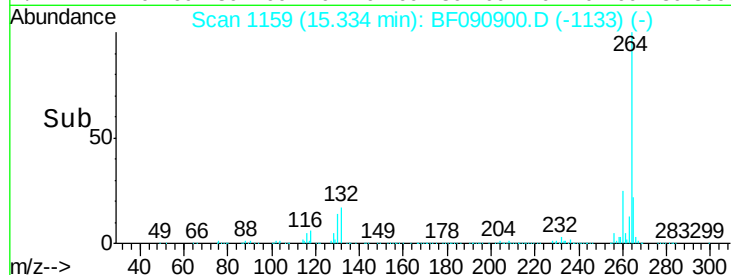
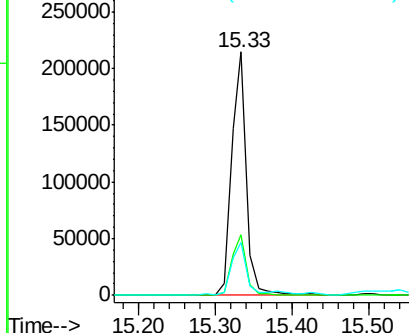
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	16.7	25.1
265	21.8	17.2	25.8

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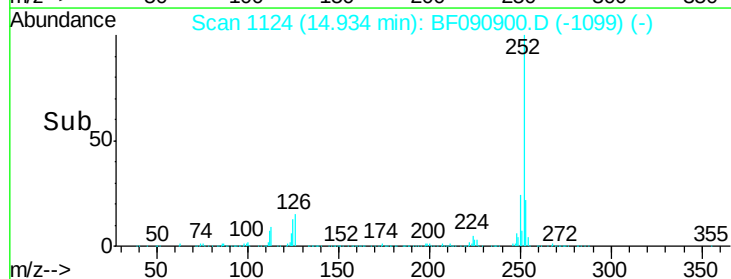
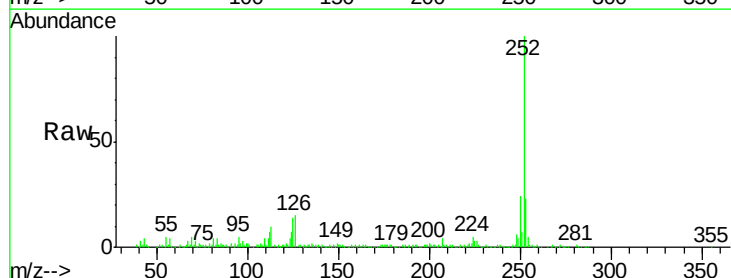
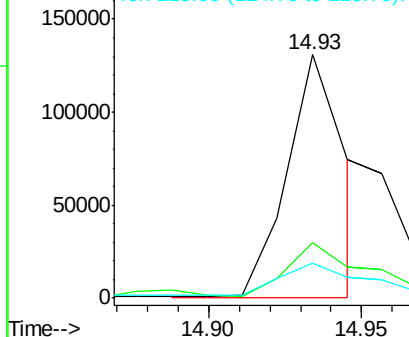
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

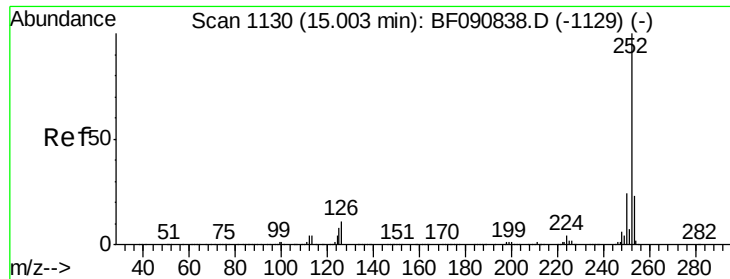


#87
Benzo(b)fluoranthene
Concen: 8.69 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF090900.D
Acq: 28 Oct 2016 10:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	14.4	17.1	25.7#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





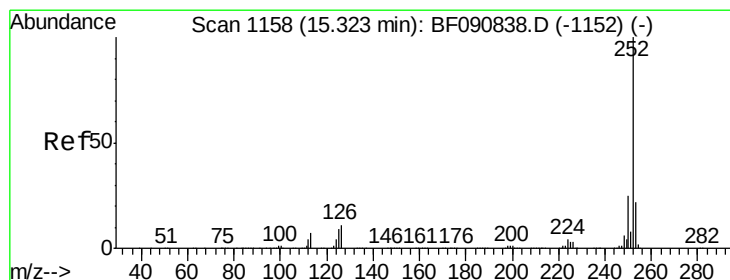
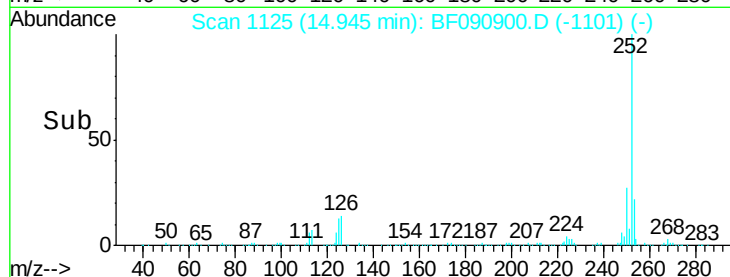
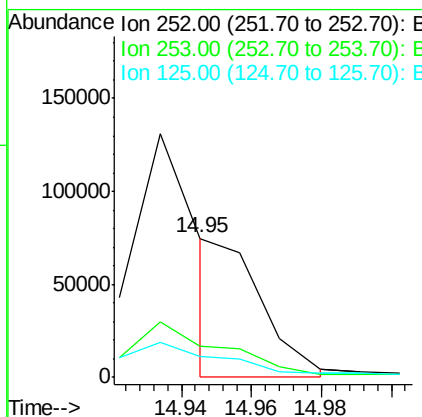
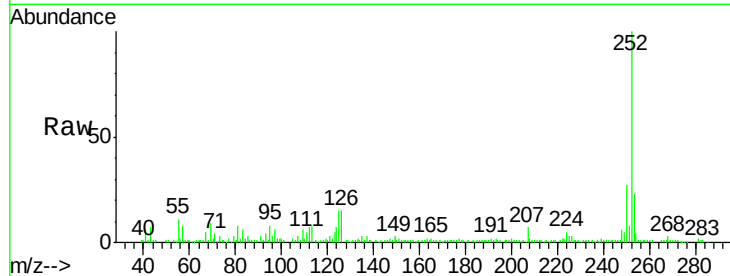
#88
Benzo(k)fluoranthene
Concen: 4.07 ng m
RT: 14.95 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF090900.D
Acq: 28 Oct 2016 10:44

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.4
125	14.8	16.0	24.0

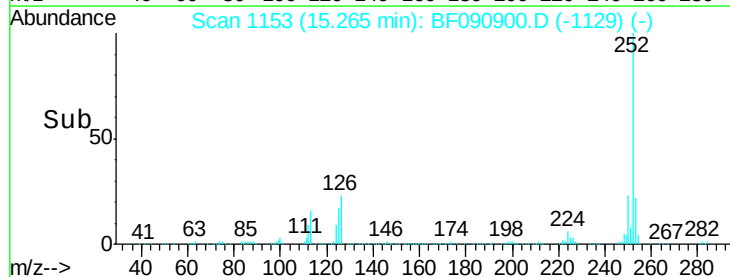
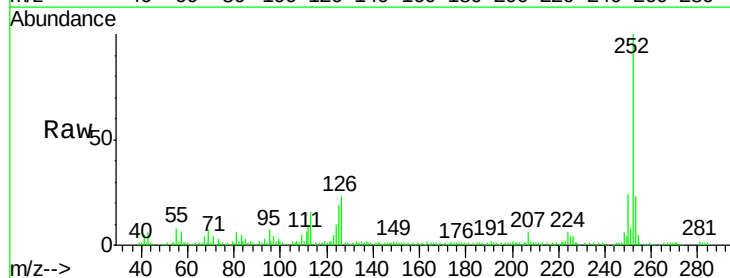
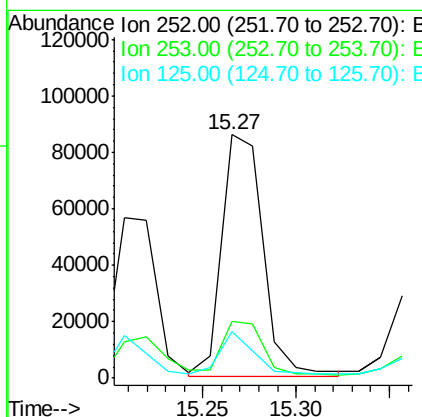
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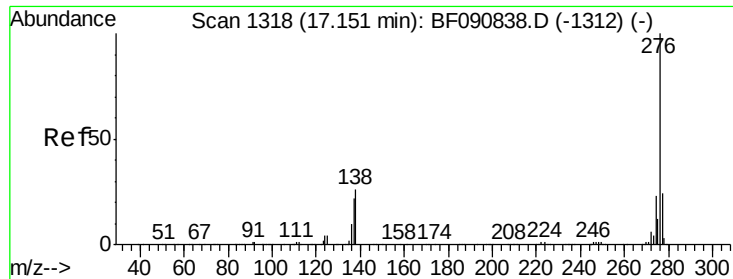
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#89
Benzo(a)pyrene
Concen: 7.78 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.02 min
Lab File: BF090900.D
Acq: 28 Oct 2016 10:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	19.1	18.0	27.0





#91
 Benzo(g,h,i)perylene
 Concen: 6.23 ng
 RT: 17.08 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: BF090900.D
 Acq: 28 Oct 2016 10:44

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

Tgt Ion:	276	Resp:	84426
Ion Ratio	Lower	Upper	
276	100		
277	25.5	17.8	26.6
138	25.5	34.6	51.8#

Manual Integrations
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