

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
 Data File : BF090886.D
 Acq On : 28 Oct 2016 00:14
 Operator : UM/SJ
 Sample : H5423-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1COMP(0-16FEET)

Manual Integrations
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Quant Time: Oct 28 01:52:45 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	150537	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	595790	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	309246	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	431523	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	337859	20.00	ng	-0.02
86) Perylene-d12	15.35	264	310779	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1489526	173.00	ng	0.01
7) Phenol-d6	6.42	99	1492762	128.51	ng	0.00
23) Nitrobenzene-d5	7.34	82	1043444	114.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	419253	131.92	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1770073	100.51	ng	-0.01
78) Terphenyl-d14	12.89	244	1337474	99.73	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.54	163	616542	29.84	ng	Qvalue # 98
70) Phenanthrene	11.32	178	349482	15.90	ng	98
71) Anthracene	11.37	178	90605	3.92	ng	98
74) Fluoranthene	12.51	202	296734	12.33	ng	88
77) Pyrene	12.73	202	253682m	11.86	ng	
80) Benzo(a)anthracene	13.93	228	139454	7.78	ng	95
82) Chrysene	13.96	228	111978m	6.17	ng	
85) Indeno(1,2,3-cd)pyrene	16.69	276	38809m	2.41	ng	
87) Benzo(b)fluoranthene	14.95	252	133299m	6.38	ng	
88) Benzo(k)fluoranthene	14.96	252	58079m	3.52	ng	
89) Benzo(a)pyrene	15.29	252	97846	5.45	ng	# 87
91) Benzo(a,h,i)perylene	17.11	276	36316	2.54	ng	# 81

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

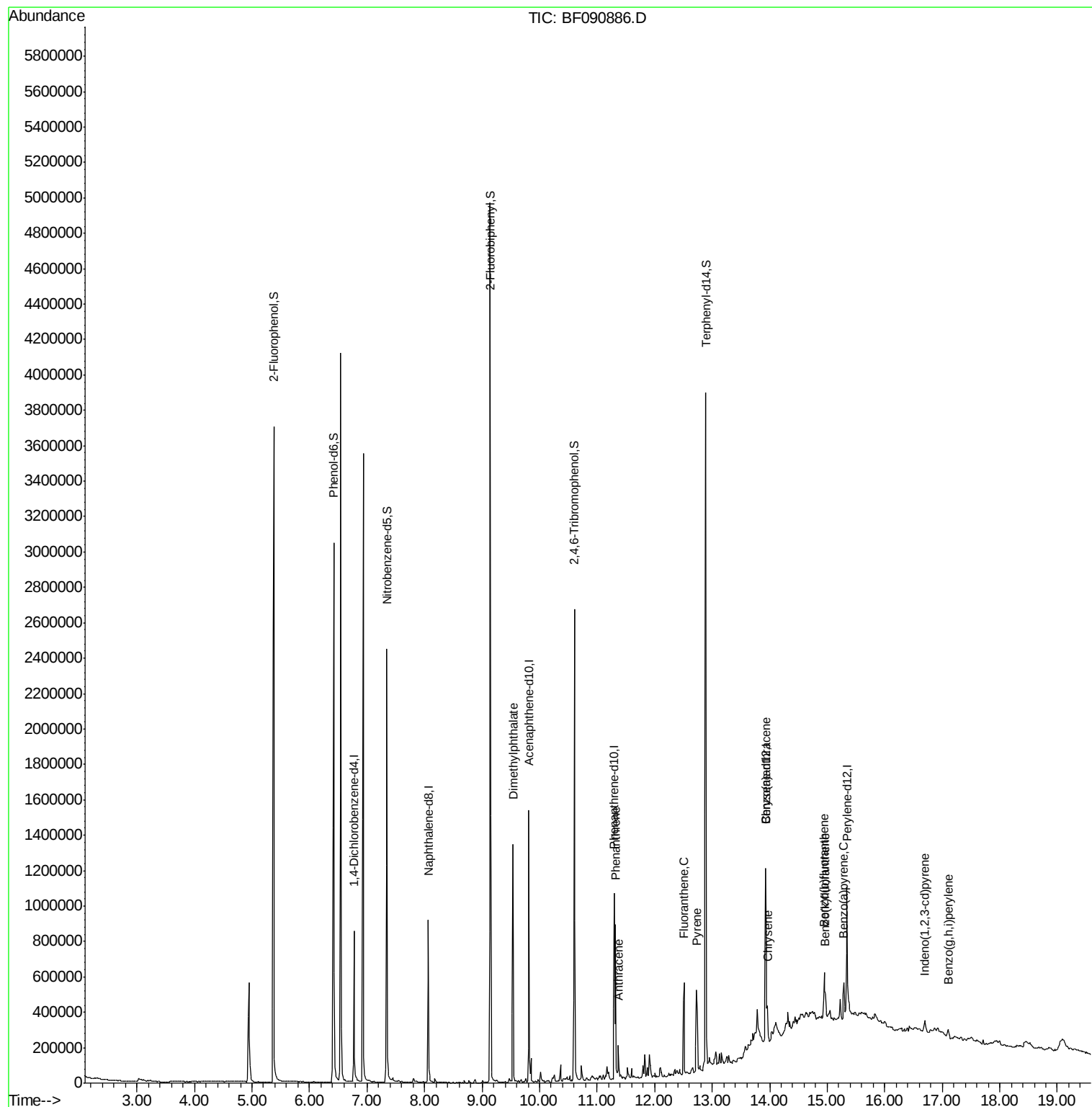
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
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#1

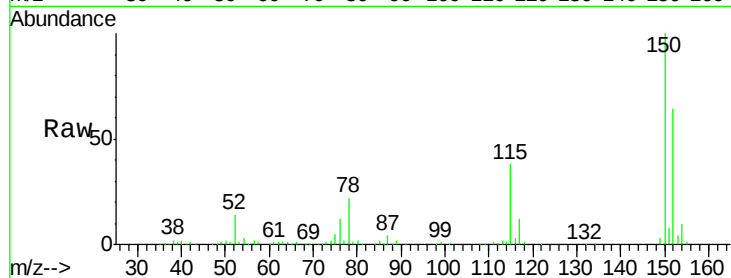
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.00 min
Lab File: BF090886.D
Acq: 28 Oct 2016 00:14

Instrument :
BNA_F
ClientSampleId :
SB-1COMP(0-16FEET)

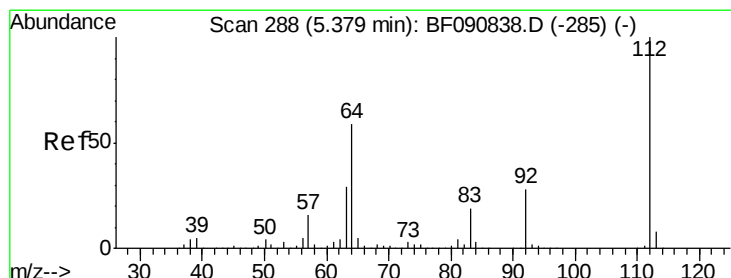
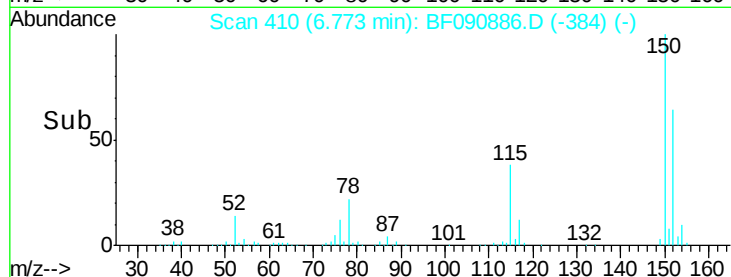
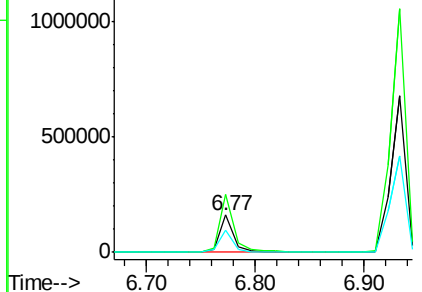
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.7	187.1
115	58.5	39.0	58.4

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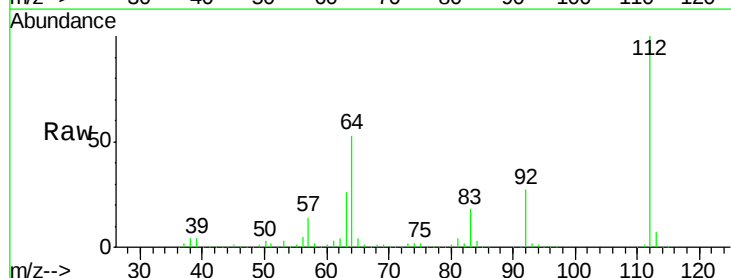
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



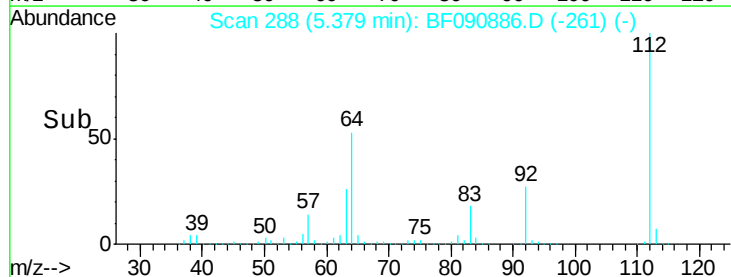
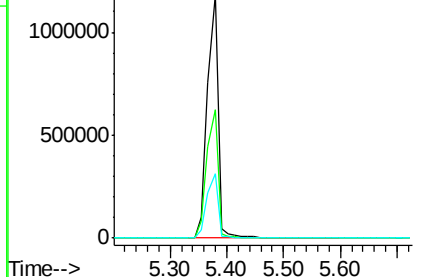
#5

2-Fluorophenol
Concen: 173.00 ng
RT: 5.38 min Scan# 288
Delta R.T. 0.01 min
Lab File: BF090886.D
Acq: 28 Oct 2016 00:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	39.7	59.5
63	26.3	17.4	26.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 128.51 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.00 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SB-1COMP(0-16FEET)

Tot Ion: 99 Resp: 1492762

Ion Ratio Lower Upper

99 100

42 14.2 13.7 20.5

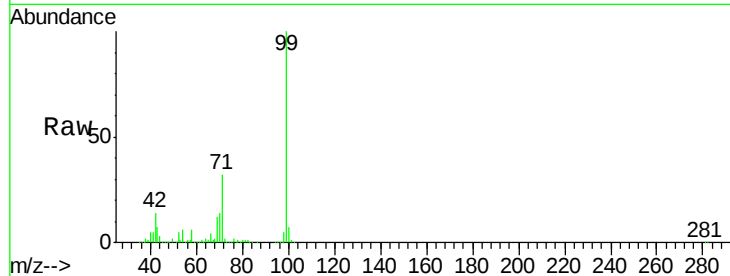
71 32.1 14.2 21.2#

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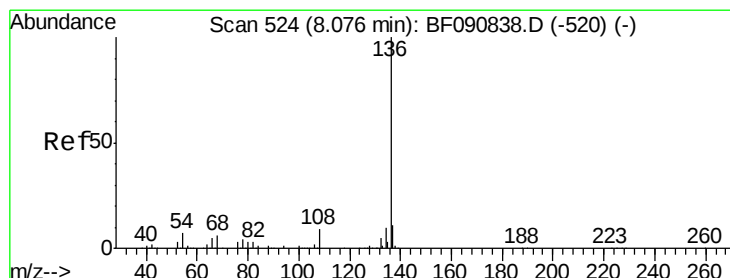
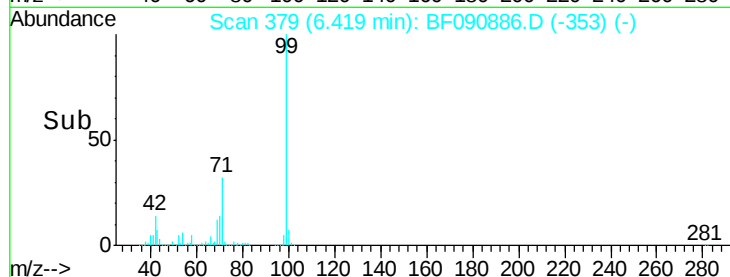
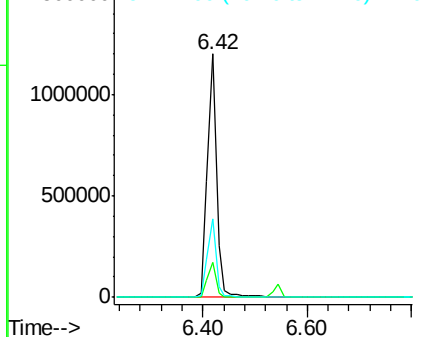
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Tgt Ion: 136 Resp: 595790

Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 4.5 8.2 12.2#

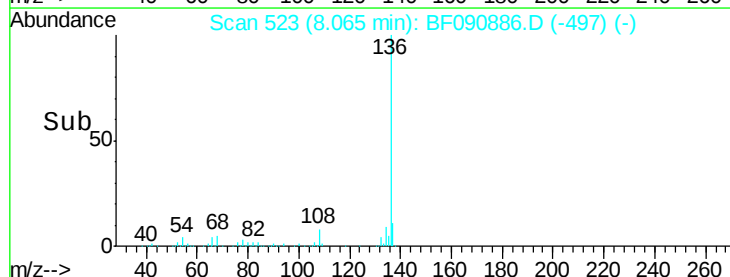
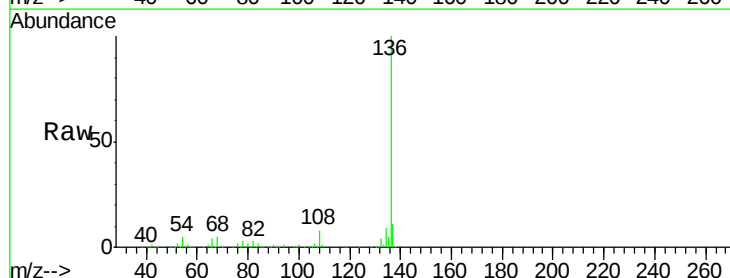
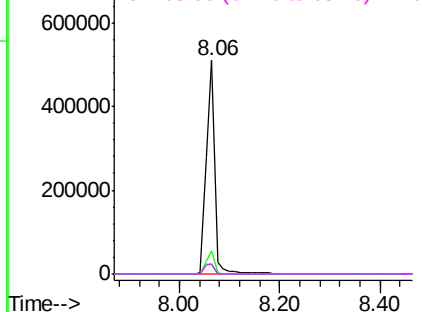
68 4.7 5.8 8.6#

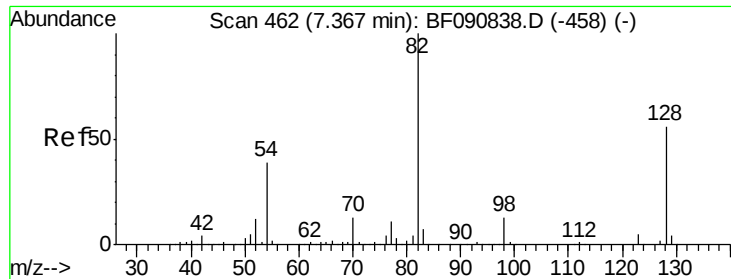
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





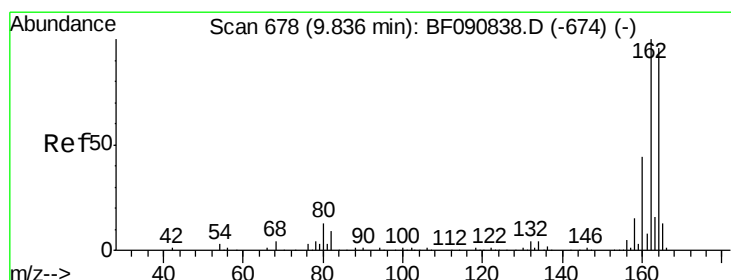
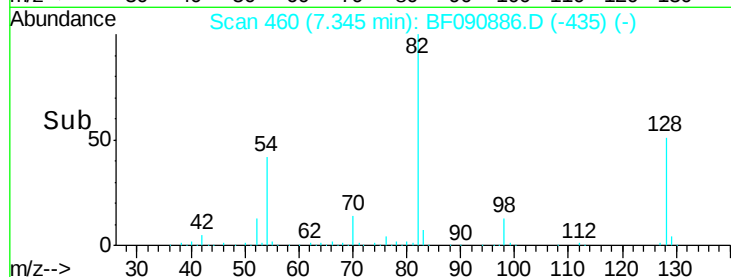
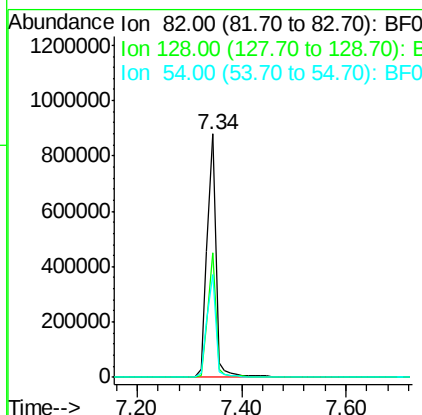
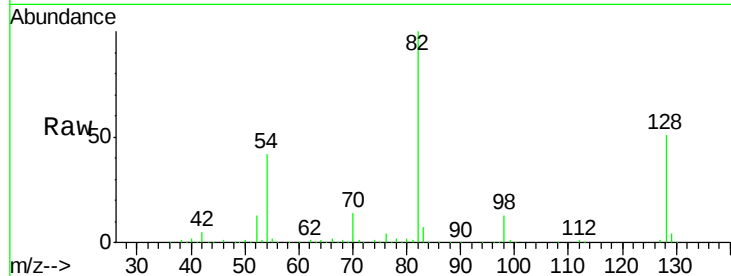
#23
 Nitrobenzene-d5
 Concen: 114.65 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF090886.D
 Acq: 28 Oct 2016 00:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-1COMP(0-16FEET)

Tot Ion: 82 Resp: 1043444
 Ion Ratio Lower Upper
 82 100
 128 51.4 51.0 76.6
 54 42.1 47.5 71.3#

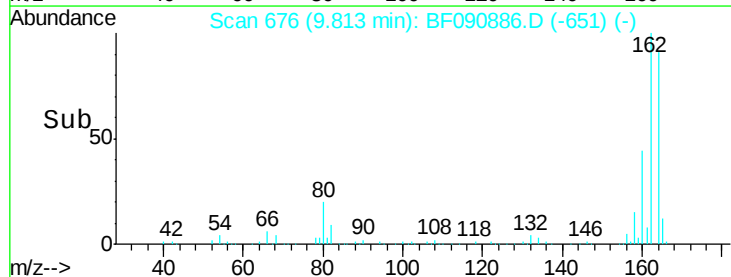
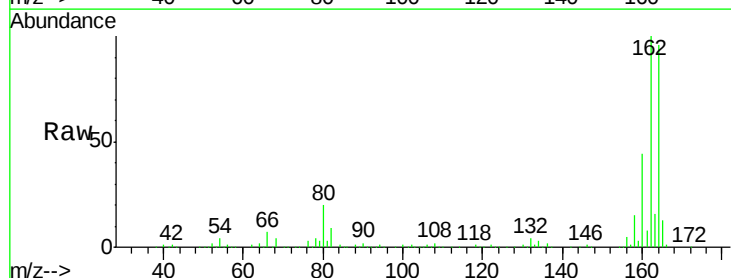
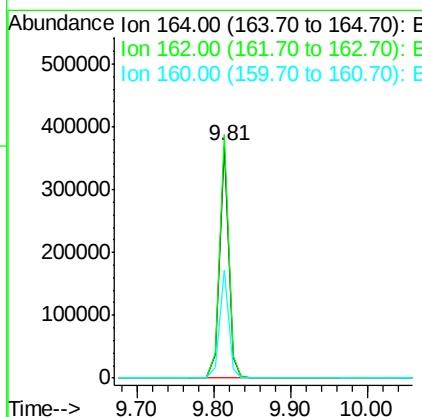
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF090886.D
 Acq: 28 Oct 2016 00:14

Tgt Ion:164 Resp: 309246
 Ion Ratio Lower Upper
 164 100
 162 104.7 75.2 112.8
 160 46.3 31.5 47.3





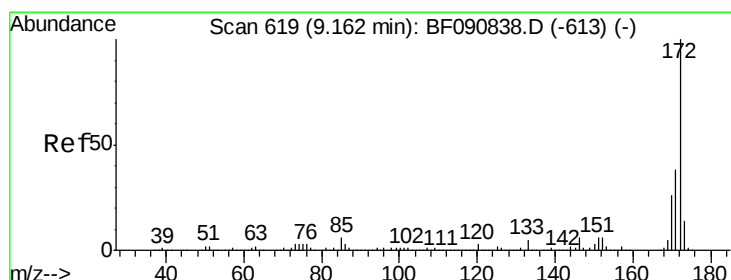
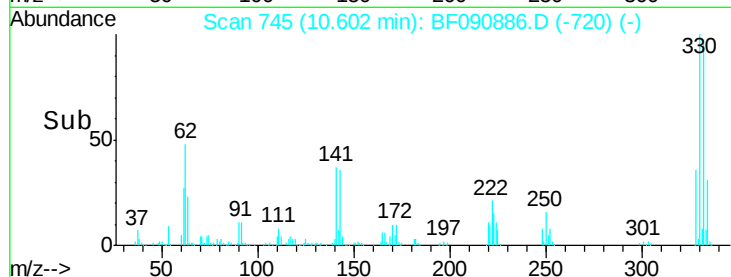
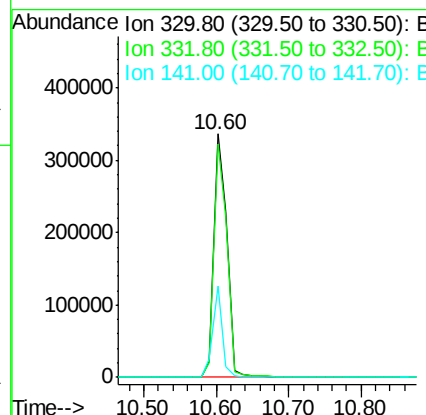
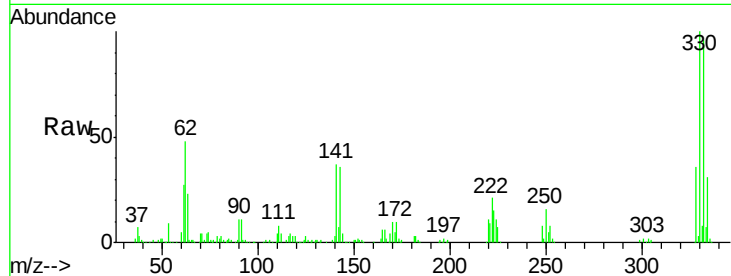
#41
 2,4,6-Tribromophenol
 Concen: 131.92 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF090886.D
 Acq: 28 Oct 2016 00:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-1COMP(0-16FEET)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	419253		
332	96.5	76.6	114.8	
141	28.5	29.7	44.5#	

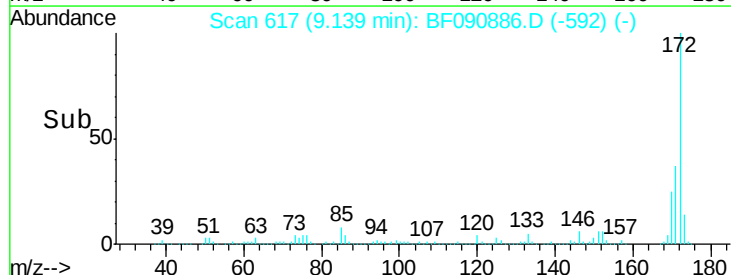
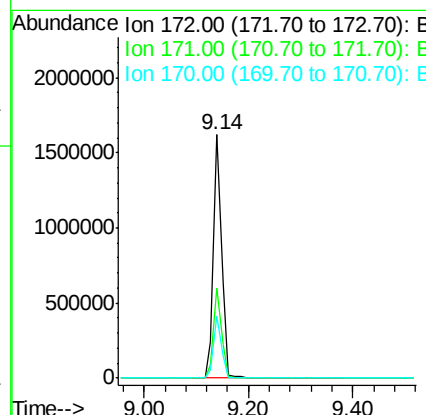
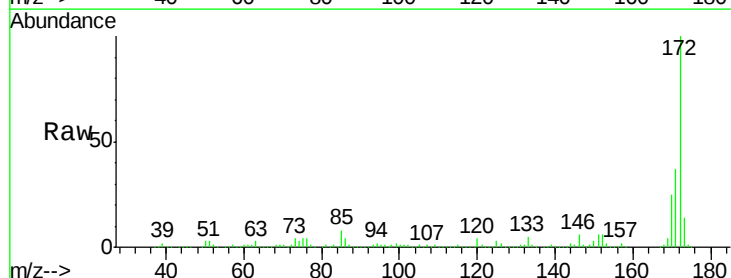
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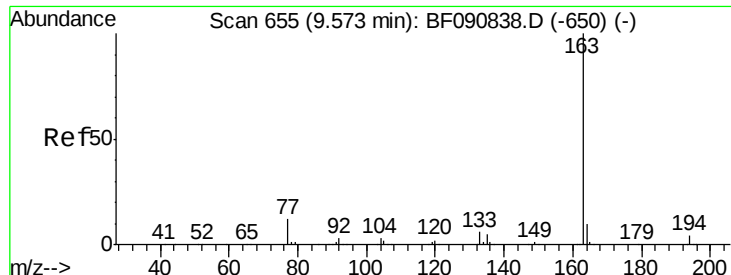
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#44
 2-Fluorobiphenyl
 Concen: 100.51 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF090886.D
 Acq: 28 Oct 2016 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1770073		
171	37.0	26.1	39.1	
170	25.4	17.4	26.2	





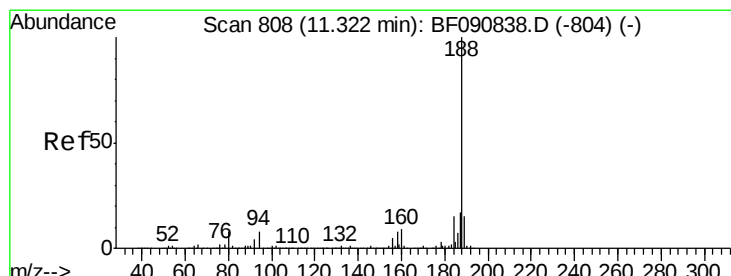
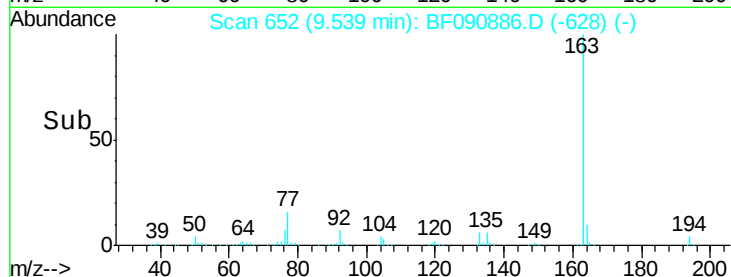
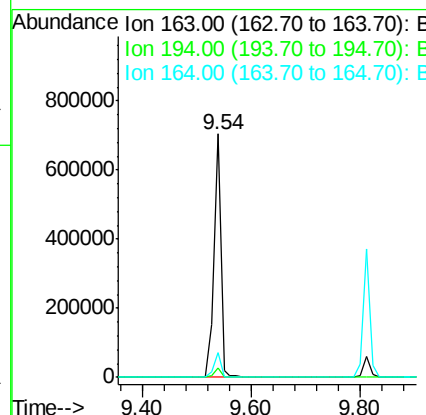
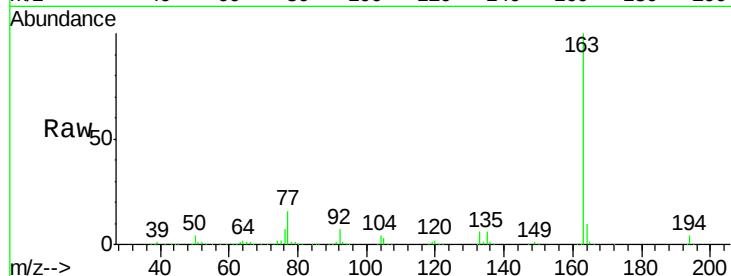
#49
Dimethylphthalate
Concen: 29.84 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF090886.D
Acq: 28 Oct 2016 00:14

Instrument :
BNA_F
ClientSampleId :
SB-1COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	4.4	6.6#
164	10.1	8.3	12.5

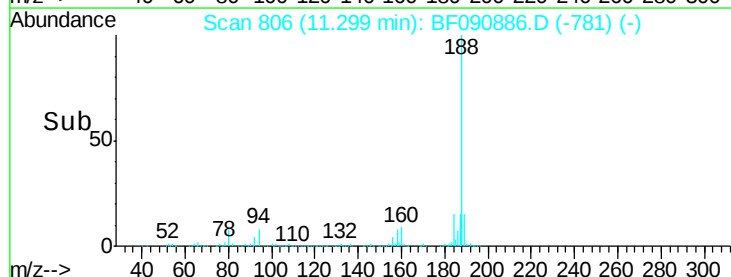
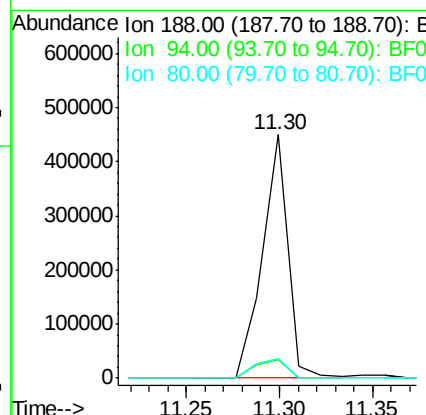
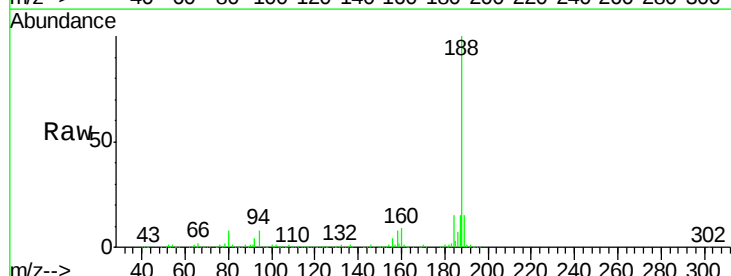
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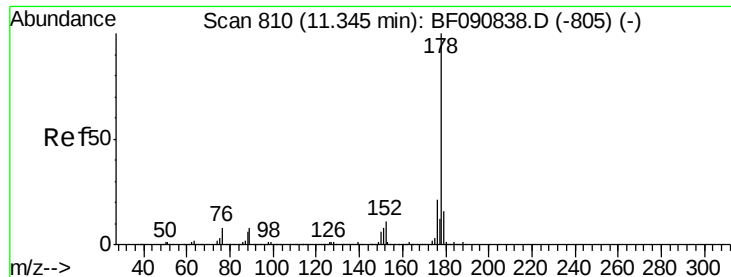
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF090886.D
Acq: 28 Oct 2016 00:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	11.1	16.7#
80	8.2	11.0	16.4#





#70

Phenanthrene

Concen: 15.90 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Instrument :

BNA_F

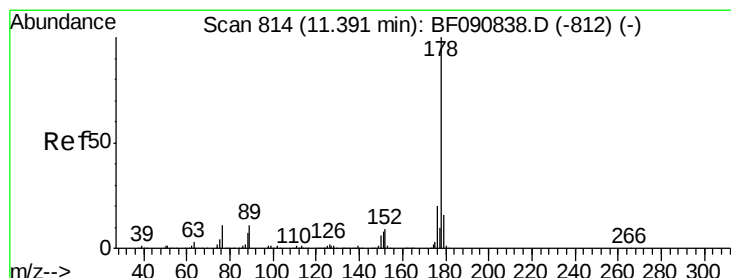
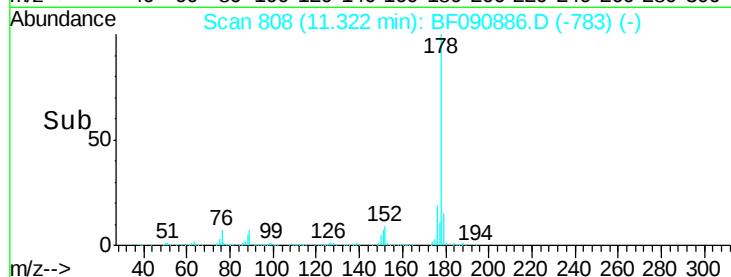
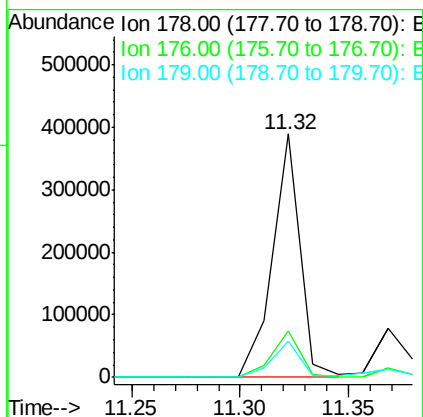
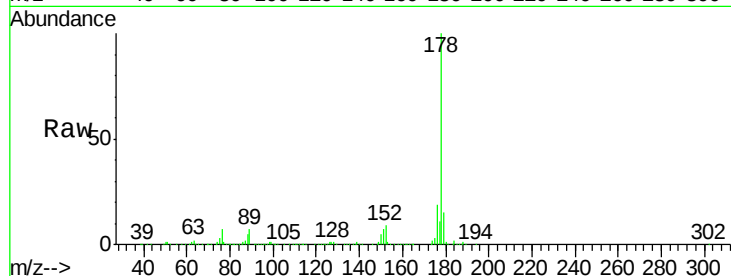
ClientSampleId :

SB-1COMP(0-16FEET)

Tot Ion:178	Resp:	349482
Ion Ratio	Lower	Upper
178	100	
176	19.2	13.8 20.8
179	15.0	12.2 18.2

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#71

Anthracene

Concen: 3.92 ng

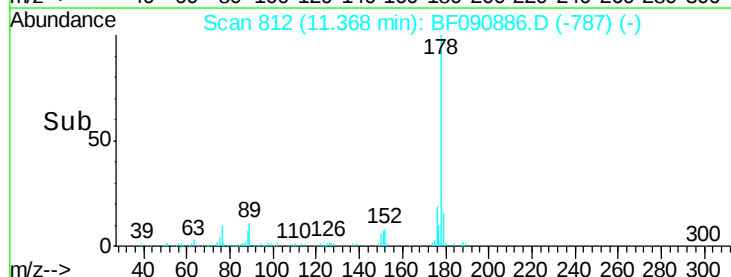
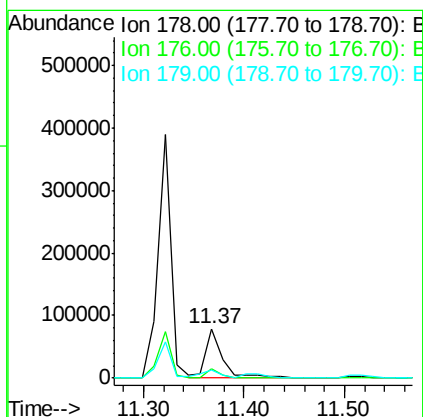
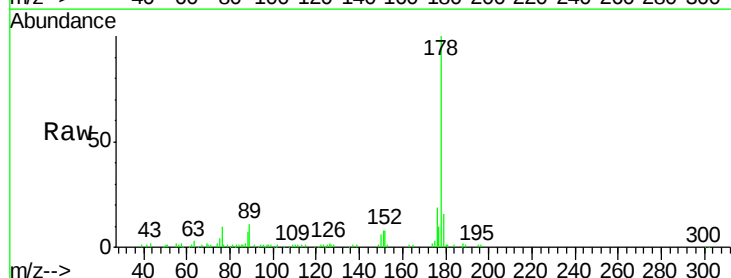
RT: 11.37 min Scan# 812

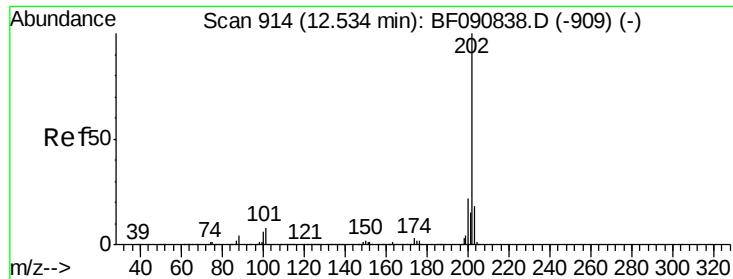
Delta R.T. -0.01 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Tgt Ion:178	Resp:	90605
Ion Ratio	Lower	Upper
178	100	
176	18.7	14.1 21.1
179	16.2	12.2 18.2





#74

Fluoranthene

Concen: 12.33 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Instrument :

BNA_F

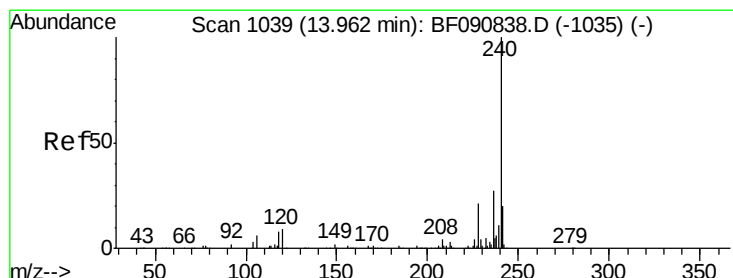
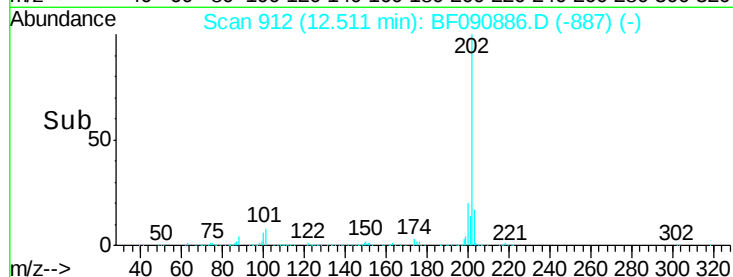
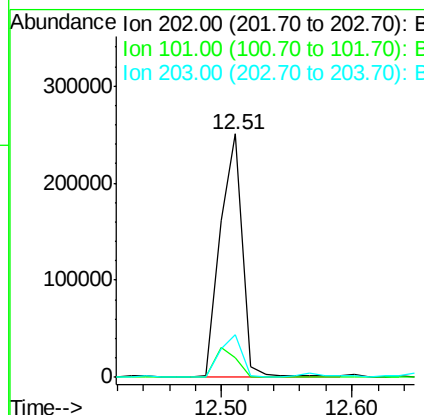
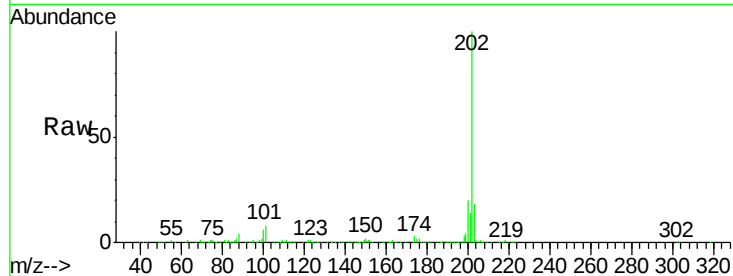
ClientSampleId :

SB-1COMP(0-16FEET)

Tot Ion:	202	Resp:	296734
Ion Ratio	Lower	Upper	
202	100		
101	7.9	0.0	38.3
203	17.6	0.0	37.3

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#75

Chrysene-d12

Concen: 20.00 ng

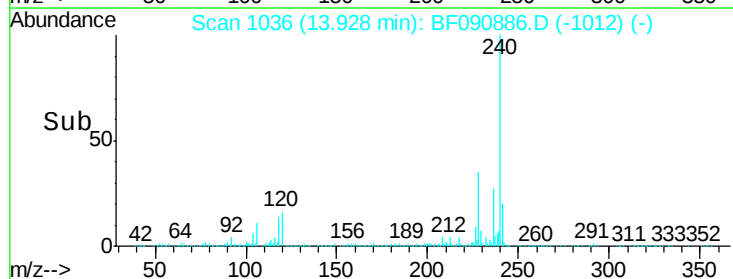
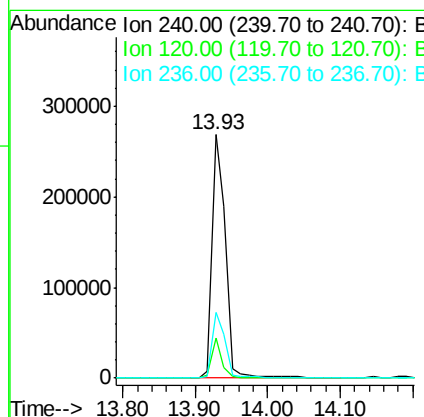
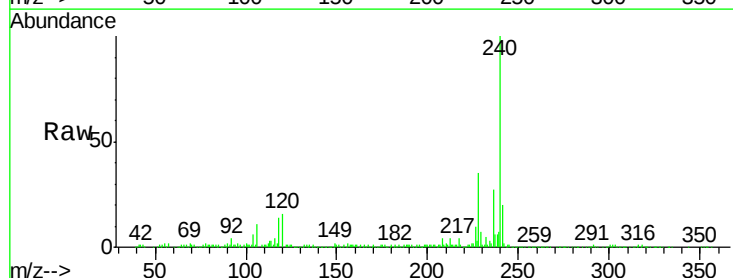
RT: 13.93 min Scan# 1036

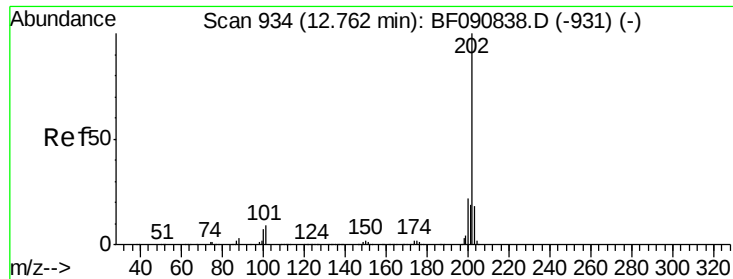
Delta R.T. -0.02 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Tgt Ion:	240	Resp:	337859
Ion Ratio	Lower	Upper	
240	100		
120	16.5	16.2	24.2
236	26.8	18.4	27.6





#77

Pvrene

Concen: 11.86 ng/mL

RT: 12.73 min Scan# 931

Delta R.T. -0.02 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Instrument :

BNA_F

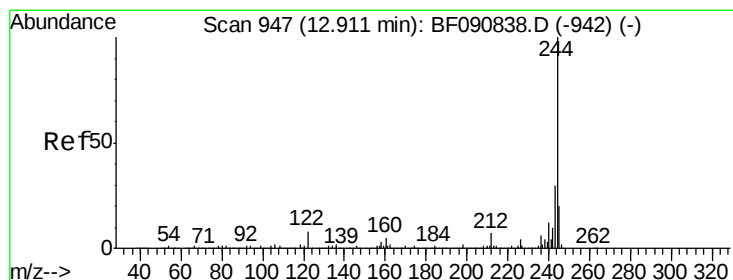
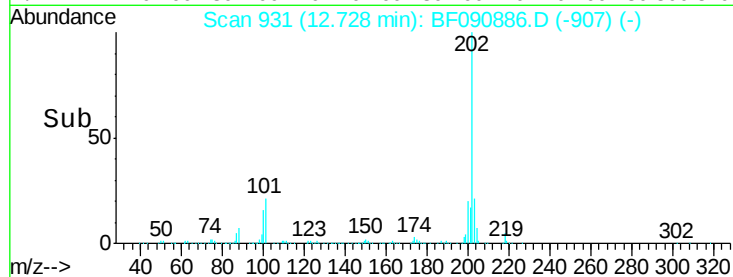
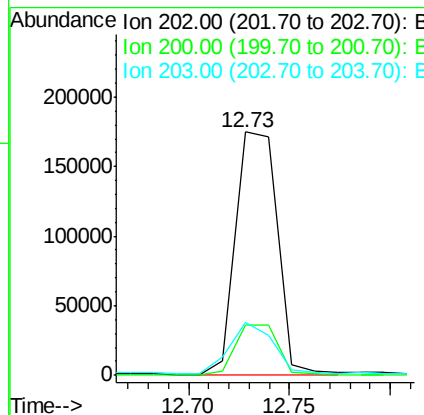
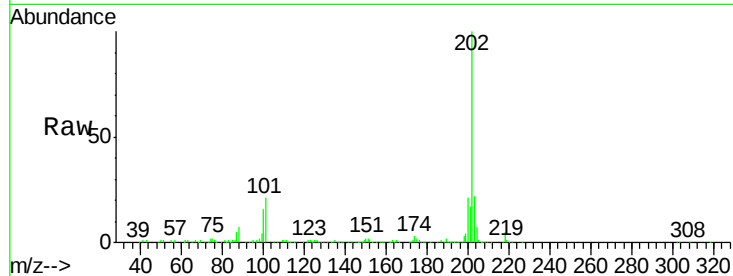
ClientSampleId :

SB-1COMP(0-16FEET)

Tot Ion:	202	Resp:	253682
Ion Ratio	Lower	Upper	
202	100		
200	20.6	15.0	22.4
203	21.9	14.1	21.1

Manual Integrations
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#78

Terphenyl-d14

Concen: 99.73 ng/mL

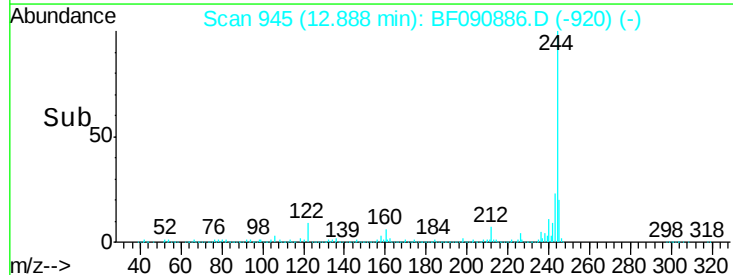
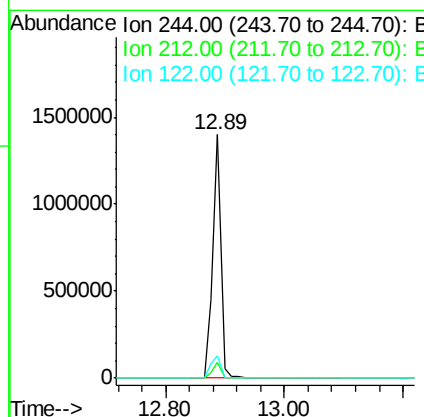
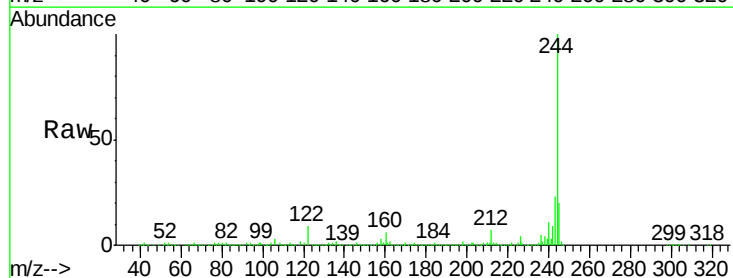
RT: 12.89 min Scan# 945

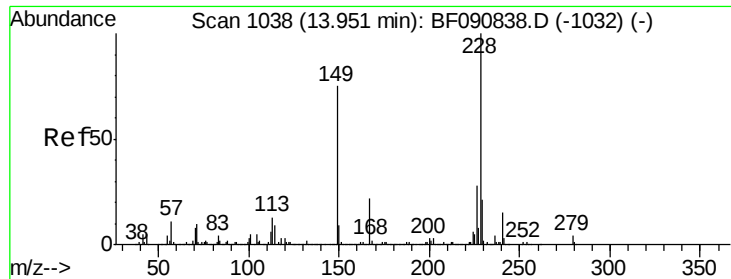
Delta R.T. -0.01 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Tgt Ion:	244	Resp:	1337474
Ion Ratio	Lower	Upper	
244	100		
212	6.5	4.3	6.5
122	9.2	17.4	26.2





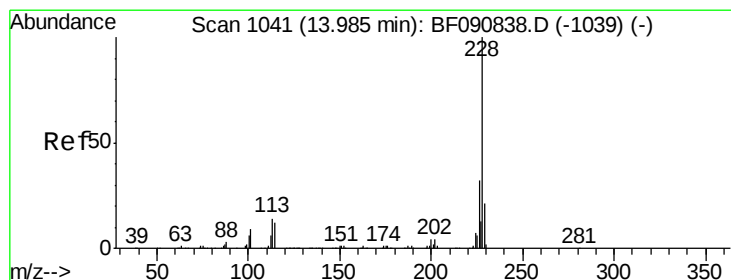
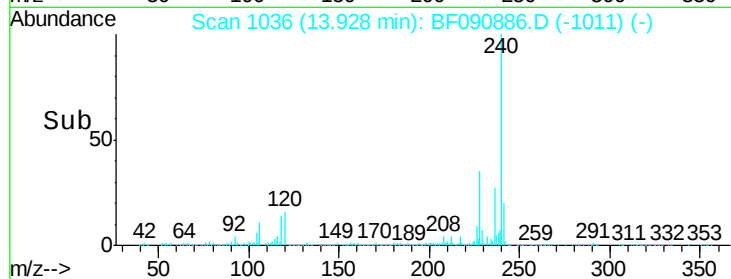
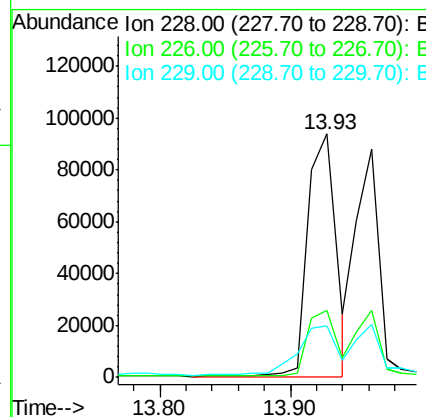
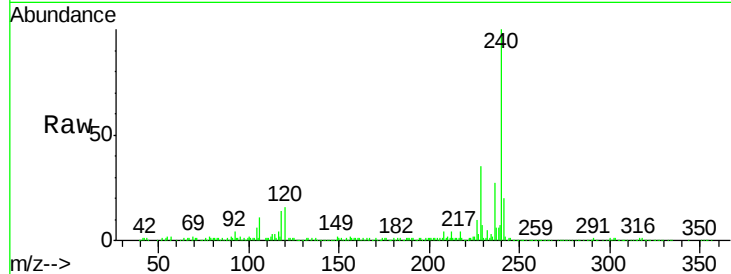
#80
Benzo(a)anthracene
Concen: 7.78 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF090886.D
Acq: 28 Oct 2016 00:14

Instrument :
BNA_F
ClientSampleId :
SB-1COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	20.0	30.0
229	21.4	15.4	23.2

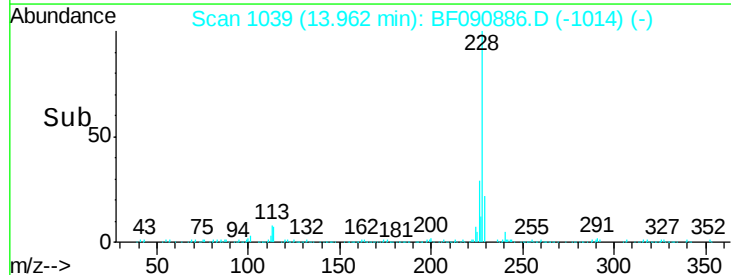
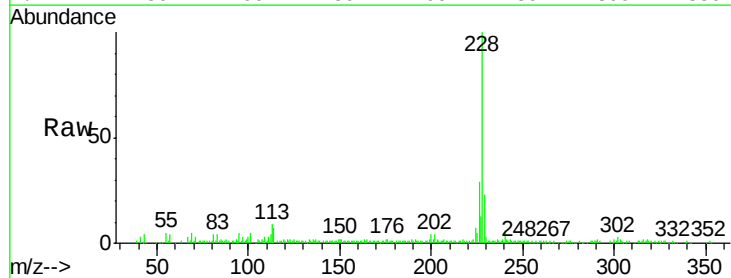
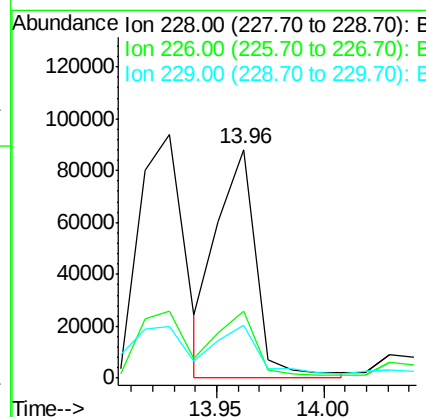
Manual Integrations
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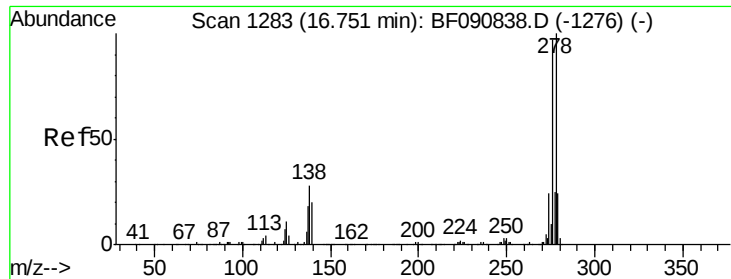
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#82
Chrysene
Concen: 6.17 ng m
RT: 13.96 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF090886.D
Acq: 28 Oct 2016 00:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	21.0	31.4
229	23.0	15.6	23.4





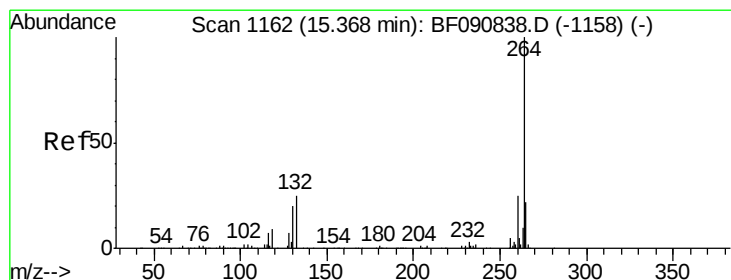
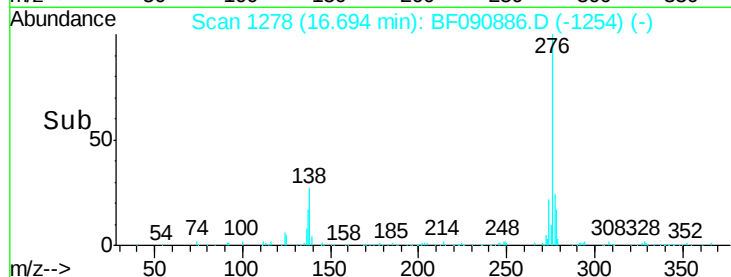
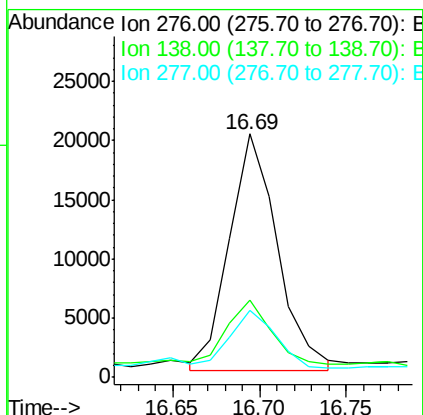
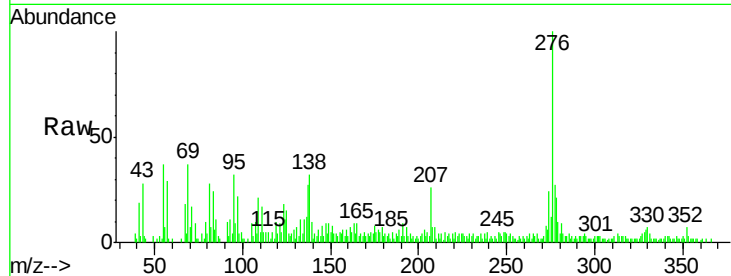
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.41 ng/ml
RT: 16.69 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF090886.D
Acq: 28 Oct 2016 00:14

Instrument :
BNA_F
ClientSampleId :
SB-1COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
276	100		
138	7.2	25.7	38.5#
277	4.5	15.6	23.4#

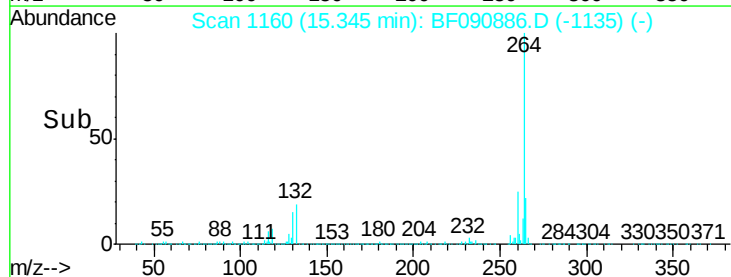
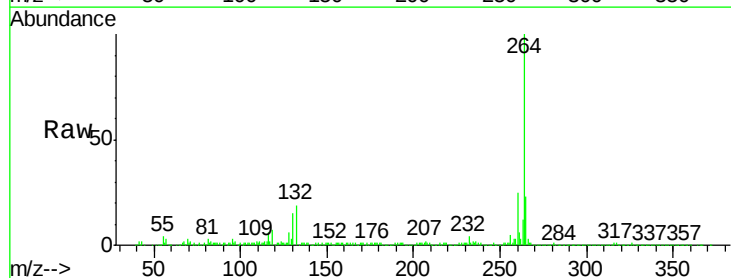
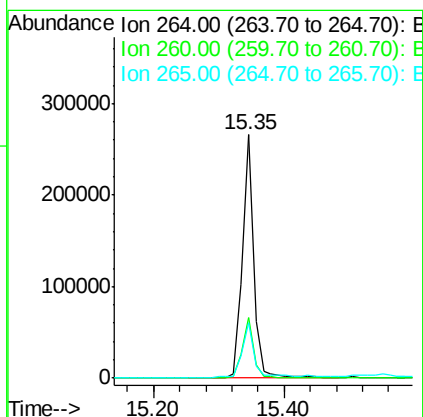
Manual Integrations
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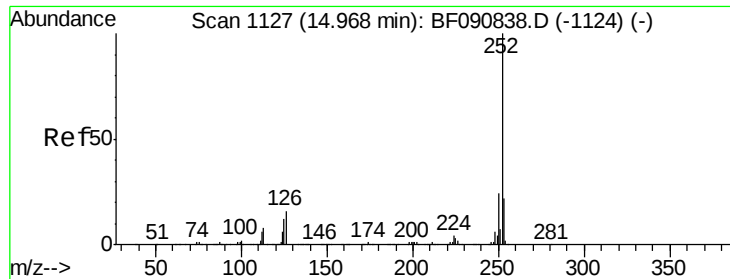
sohil
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF090886.D
Acq: 28 Oct 2016 00:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	16.7	25.1
265	22.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 6.38 ng m

RT: 14.95 min Scan# 1125

Delta R.T. -0.01 min

Lab File: BF090886.D

Acq: 28 Oct 2016 00:14

Instrument :

BNA_F

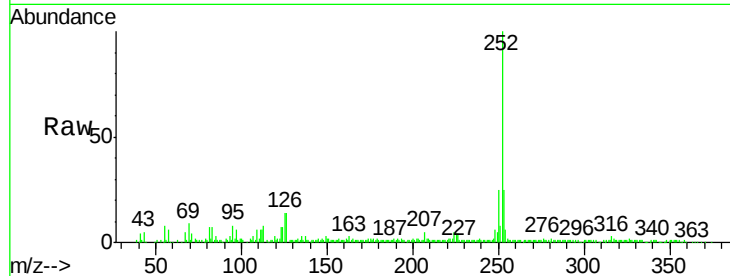
ClientSampleId :

SB-1COMP(0-16FEET)

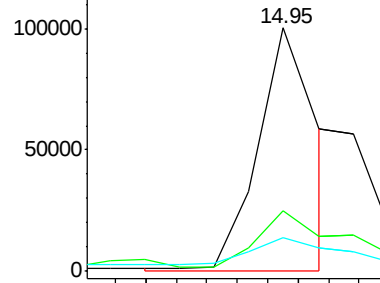
Tot Ion:	252	Resp:	133299
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.5	26.3
125	13.9	17.1	25.7

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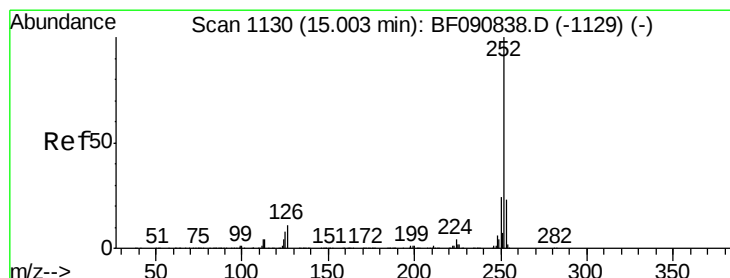
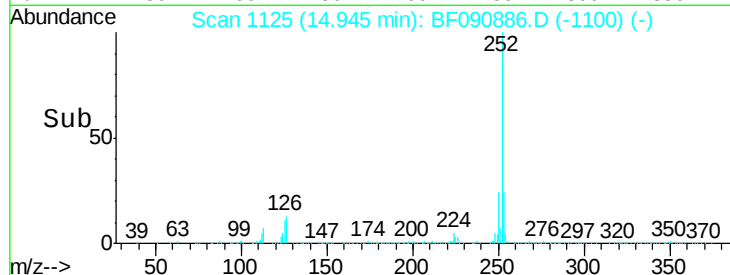
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->



#88

Benzo(k)fluoranthene

Concen: 3.52 ng m

RT: 14.96 min Scan# 1126

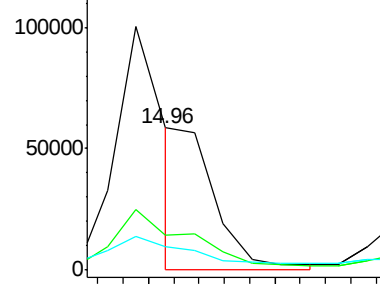
Delta R.T. -0.03 min

Lab File: BF090886.D

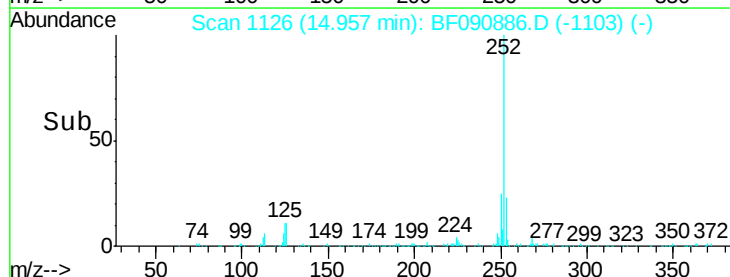
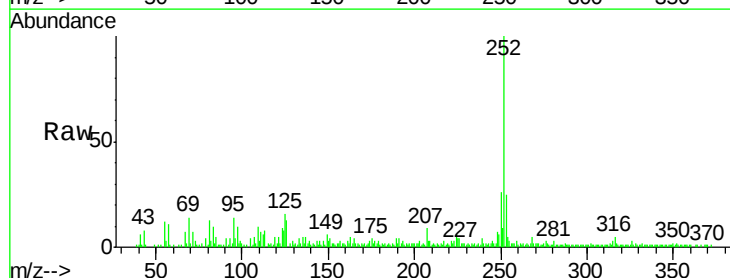
Acq: 28 Oct 2016 00:14

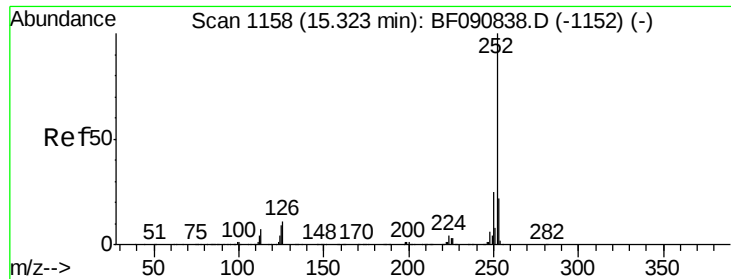
Tgt Ion:	252	Resp:	58079
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.0	25.4
125	16.3	16.0	24.0

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



Time-->





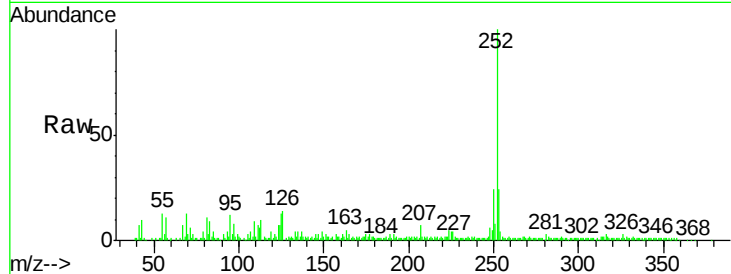
#89
Benzo(a)pyrene
Concen: 5.45 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF090886.D
Acq: 28 Oct 2016 00:14

Instrument :
BNA_F
ClientSampleId :
SB-1COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	13.0	18.0	27.0#

Manual Integrations
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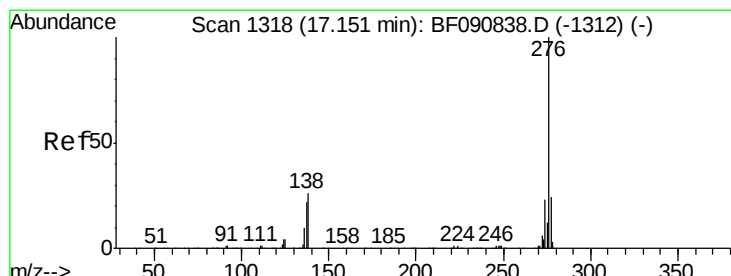
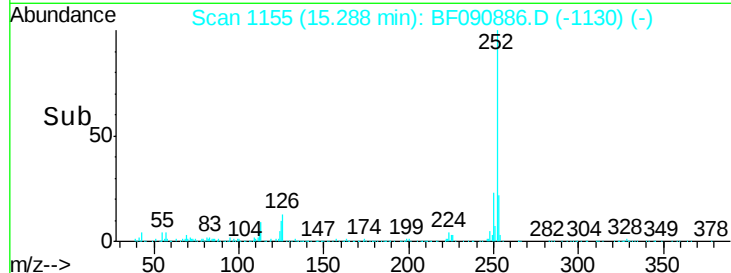
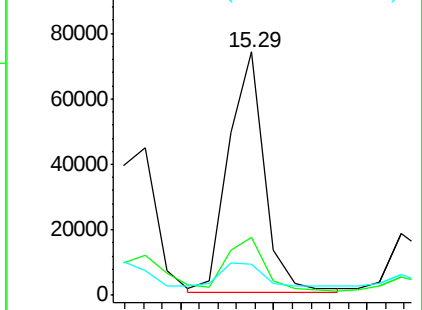


Abundance

Ion 252.00 (251.70 to 252.70): E

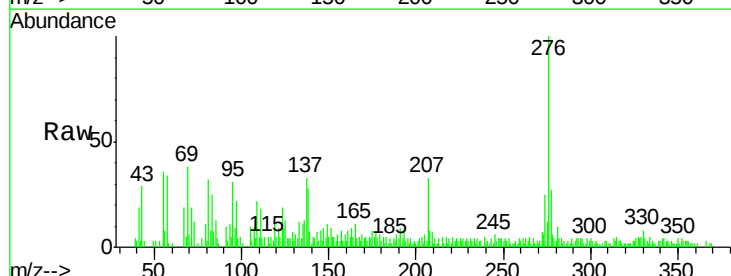
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.54 ng
RT: 17.11 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF090886.D
Acq: 28 Oct 2016 00:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	17.8	26.6#
138	27.8	34.6	51.8#



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

