

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086443.D
 Acq On : 28 Apr 2016 00:26
 Operator : UM/SJ
 Sample : H2713-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-B6B9B11B15B10-C

Manual Integrations
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Quant Time: Apr 28 02:23:12 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	130629	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	471595	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	174340	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	278842	20.00	ng	0.00
75) Chrysene-d12	13.96	240	306291	20.00	ng	0.00
86) Perylene-d12	15.37	264	239360	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	806270	106.46	ng	0.01
7) Phenol-d6	6.44	99	955654	90.41	ng	0.00
23) Nitrobenzene-d5	7.37	82	586100	66.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	164318	89.37	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	957678	99.64	ng	0.00
78) Terphenyl-d14	12.91	244	682203	49.07	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.56	163	138363	10.54	ng	Qvalue 100
70) Phenanthrene	11.34	178	50145	3.43	ng	97
74) Fluoranthene	12.53	202	132056	8.94	ng	96
77) Pyrene	12.76	202	130142	5.90	ng	98
80) Benzo(a)anthracene	13.95	228	94089	5.76	ng	95
82) Chrysene	13.99	228	54438m	3.07	ng	
85) Indeno(1,2,3-cd)pyrene	16.73	276	31195	2.37	ng	# 88
87) Benzo(b)fluoranthene	14.97	252	85973m	6.11	ng	
88) Benzo(k)fluoranthene	14.98	252	45417m	3.09	ng	
89) Benzo(a)pyrene	15.31	252	56161	4.22	ng	# 87
91) Benzo(g,h,i)perylene	17.13	276	29869	2.74	ng	98

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

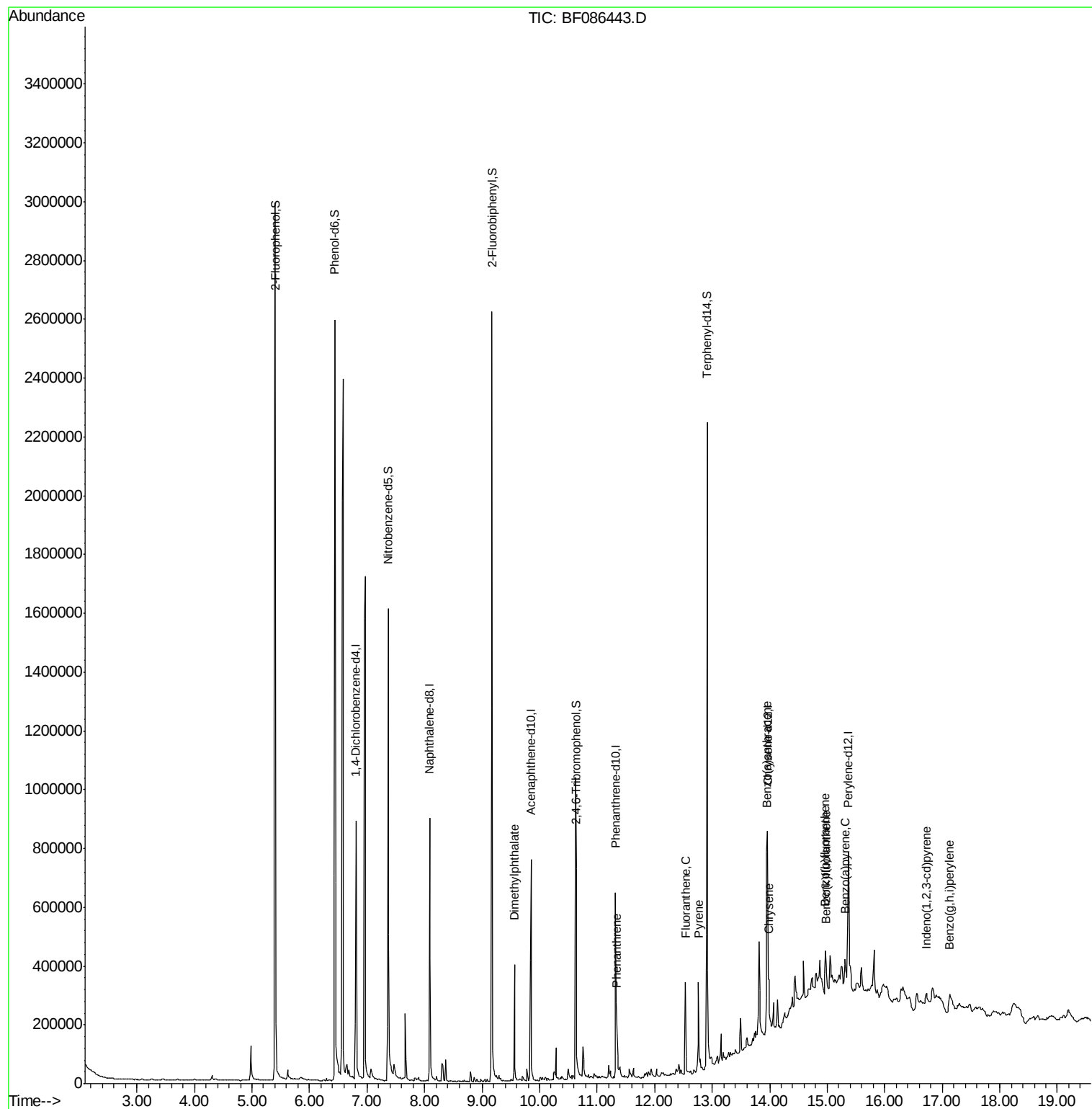
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
Data File : BF086443.D
Acq On : 28 Apr 2016 00:26
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Sample : H2713-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

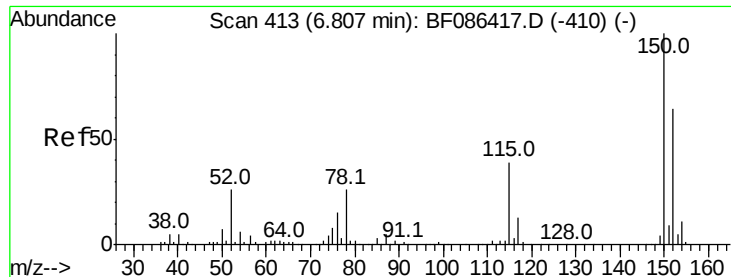
Instrument :
BNA_F
ClientSampleId :
EUT01-B6B9B11B15B10-C

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
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#1

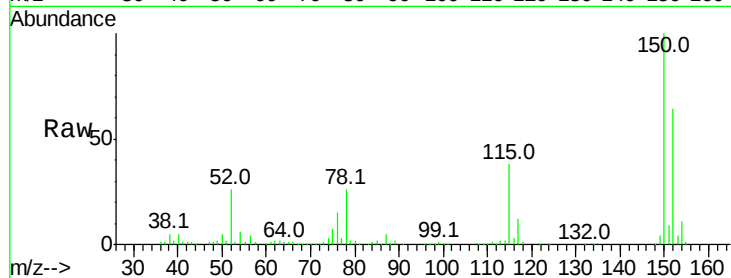
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Instrument :
BNA_F
ClientSampleId :
EUT01-B6B9B11B15B10-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	125.8	188.6
115	60.0	51.5	77.3

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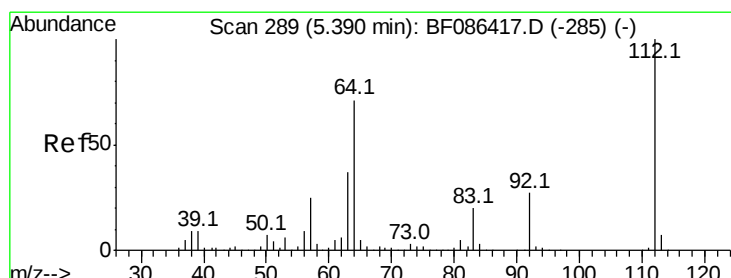
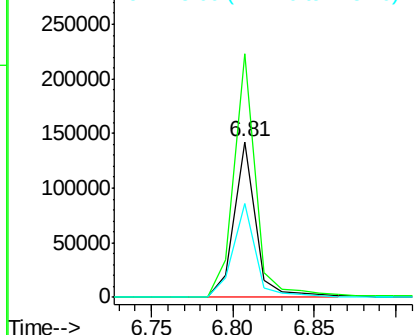
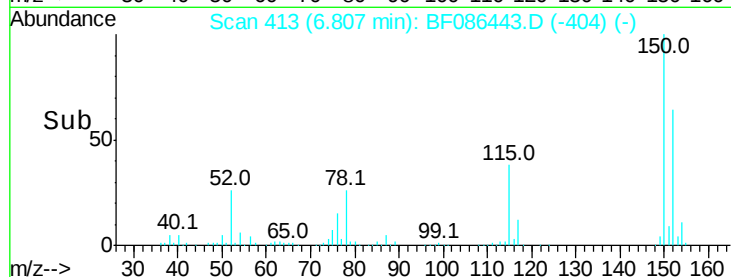


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

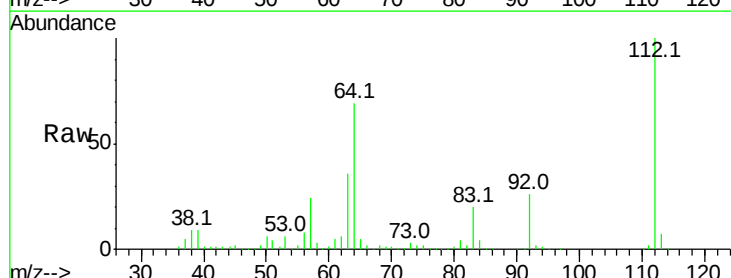
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 106.46 ng
RT: 5.40 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.7	52.1	78.1
63	36.0	25.7	38.5

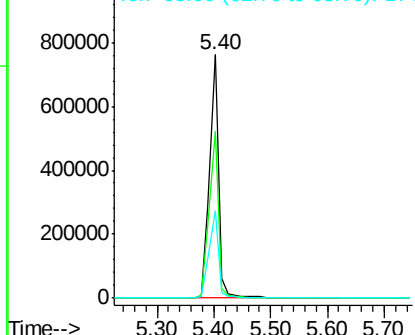
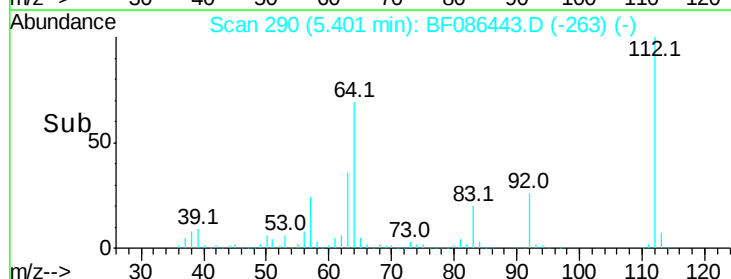


Abundance

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: 90.41 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Instrument :

BNA_F

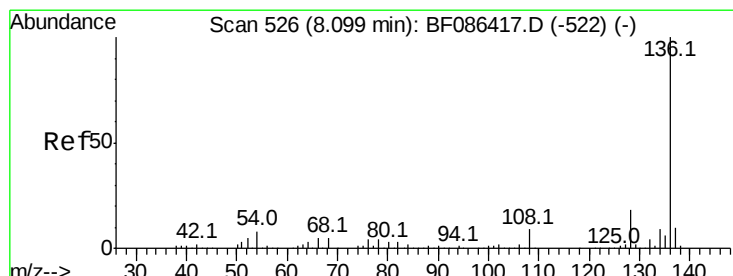
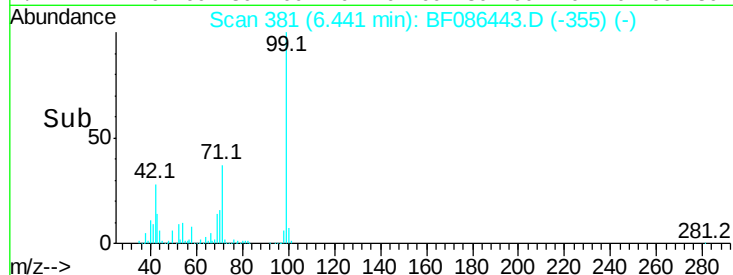
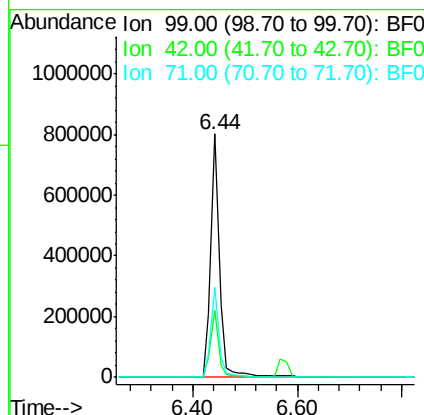
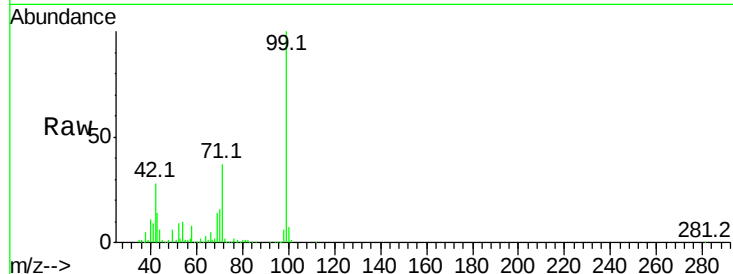
ClientSampleId :

EUT01-B6B9B11B15B10-C

Tot Ion	99	Resp	955654
Ion Ratio	Lower	Upper	
99	100		
42	27.8	13.6	20.4#
71	36.8	24.6	36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

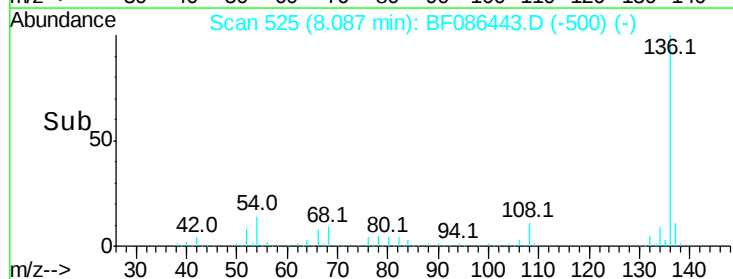
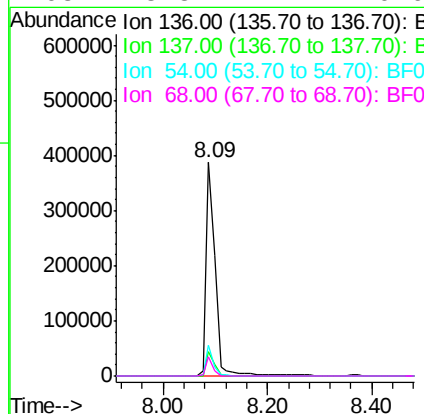
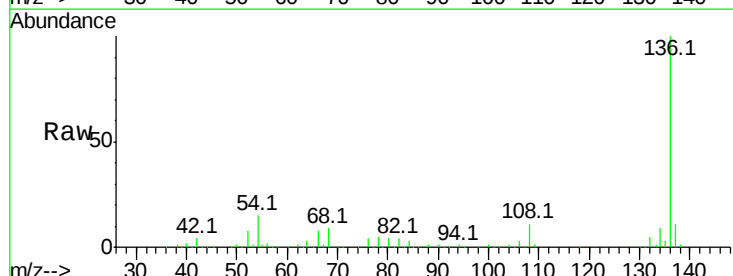
RT: 8.09 min Scan# 525

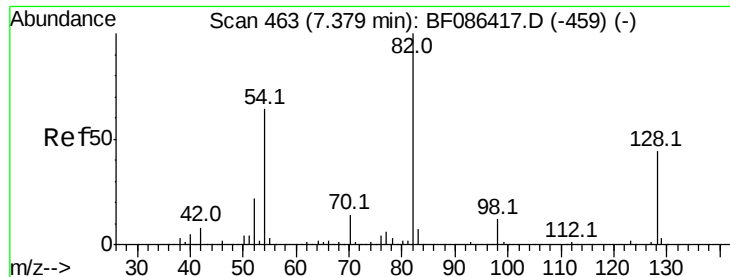
Delta R.T. -0.01 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Tgt Ion	136	Resp	471595
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	14.7	5.0	7.4#
68	8.8	4.4	6.6#





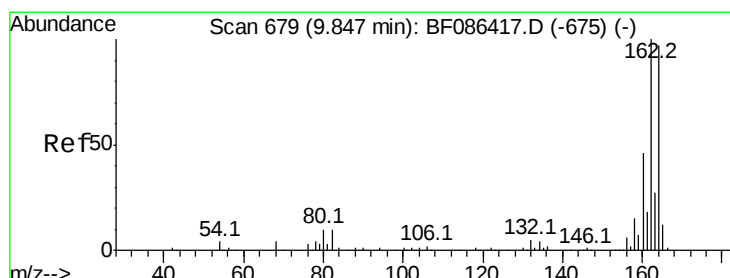
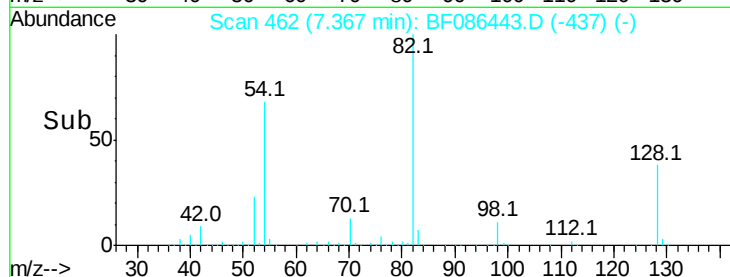
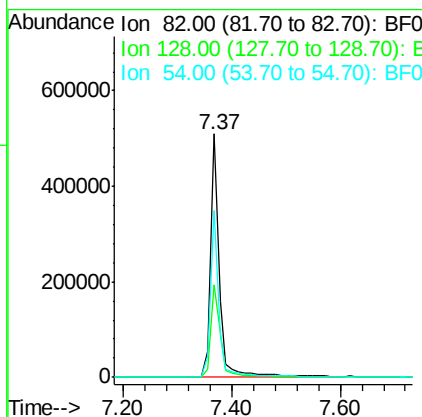
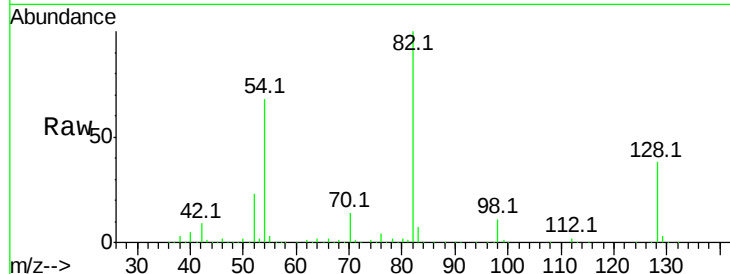
#23
 Nitrobenzene-d5
 Concen: 66.99 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF086443.D
 Acq: 28 Apr 2016 00:26

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-B6B9B11B15B10-C

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.8	40.6	61.0#	
54	68.5	38.1	57.1#	

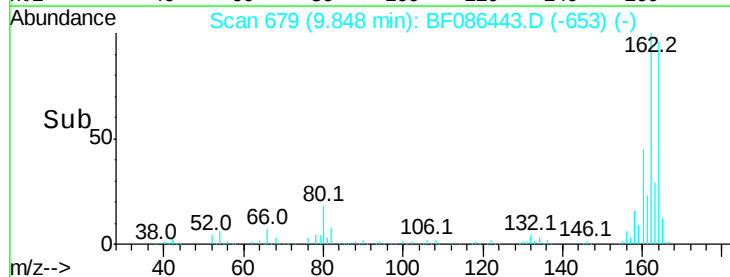
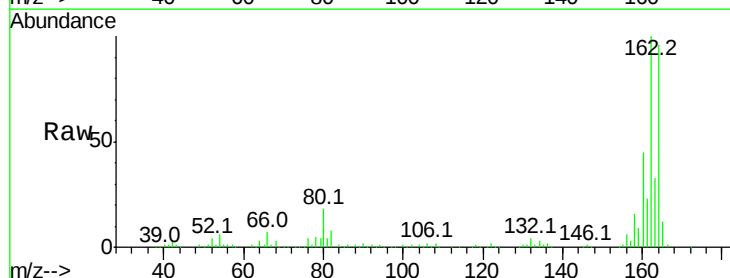
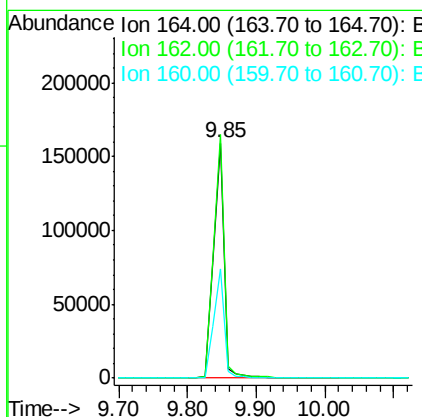
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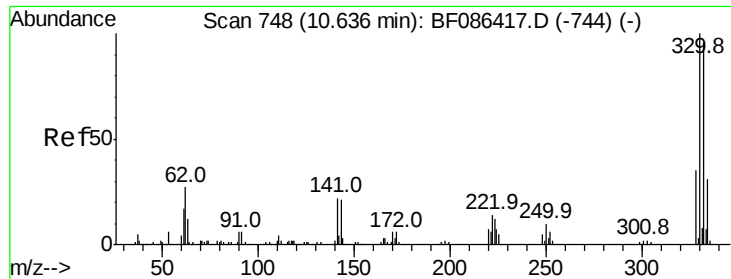
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: BF086443.D
 Acq: 28 Apr 2016 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.7	82.8	124.2	
160	46.7	36.9	55.3	





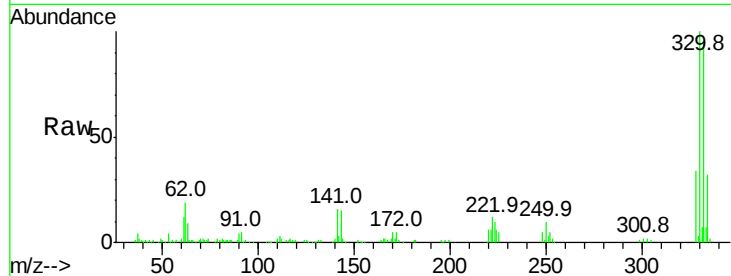
#41
 2,4,6-Tribromophenol
 Concen: 89.37 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF086443.D
 Acq: 28 Apr 2016 00:26

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-B6B9B11B15B10-C

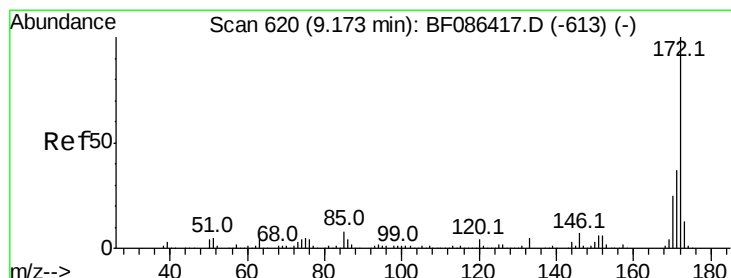
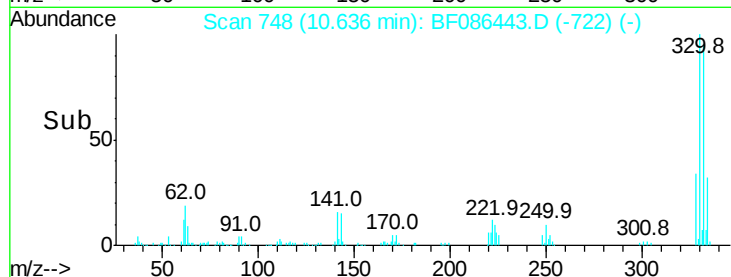
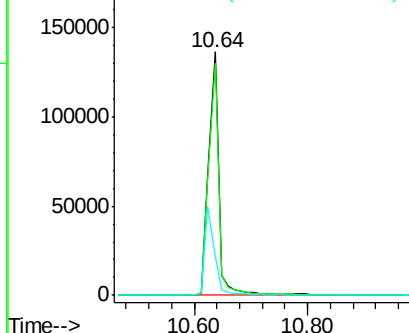
Tot Ion	Ratio	Resp	Lower	Upper
330	100	164318		
332	95.7	79.0	118.4	
141	34.6	31.2	46.8	

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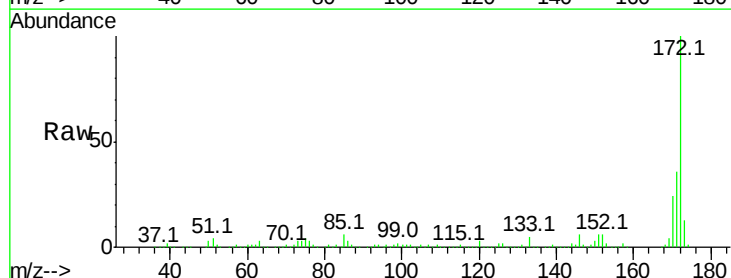


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

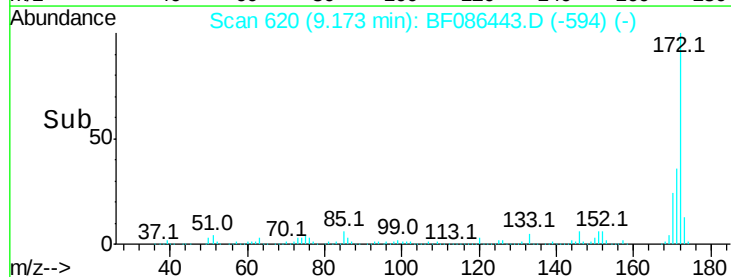
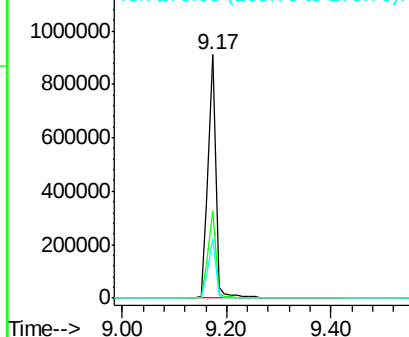


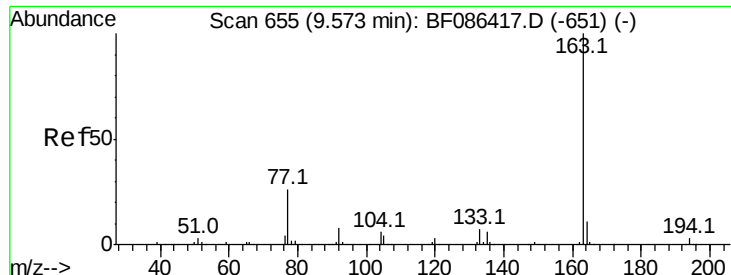
#44
 2-Fluorobiphenyl
 Concen: 99.64 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF086443.D
 Acq: 28 Apr 2016 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	957678		
171	35.7	29.0	43.6	
170	24.2	19.8	29.8	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





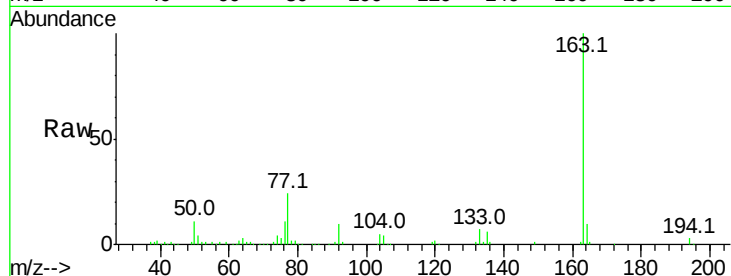
#49
Dimethylphthalate
Concen: 10.54 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Instrument :
BNA_F
ClientSampleId :
EUT01-B6B9B11B15B10-C

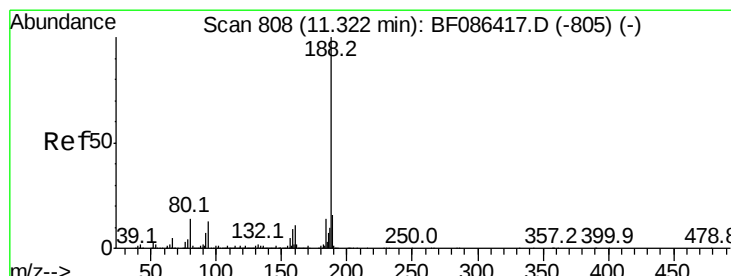
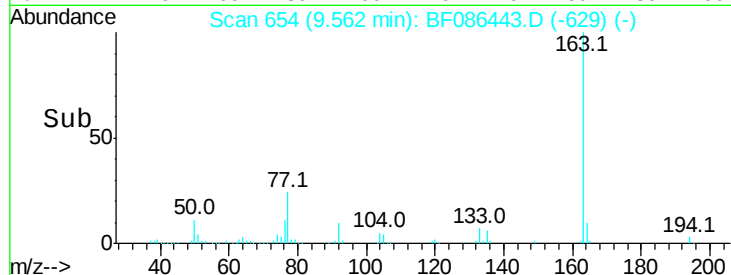
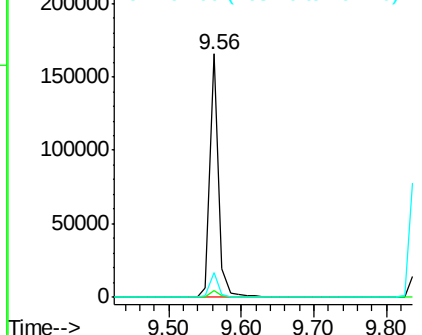
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.0	2.6	4.0	
164	10.2	8.2	12.4	

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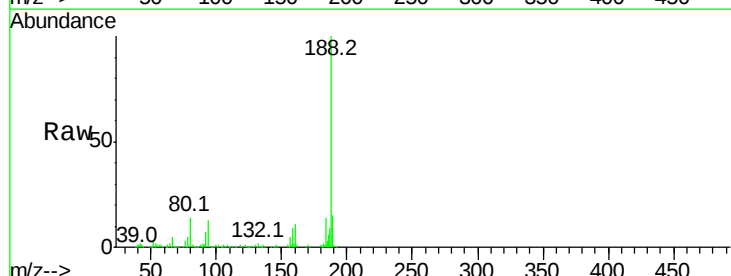


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

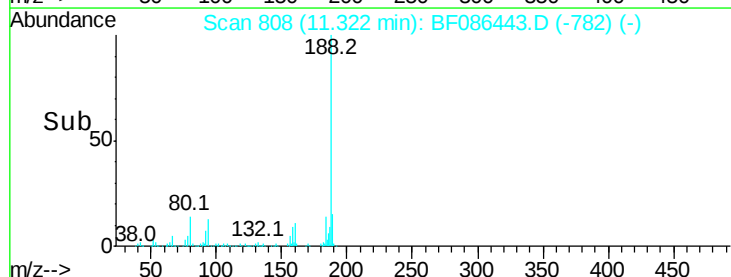
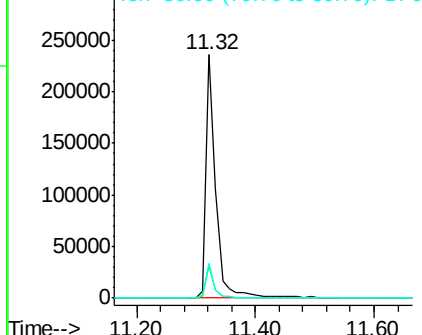


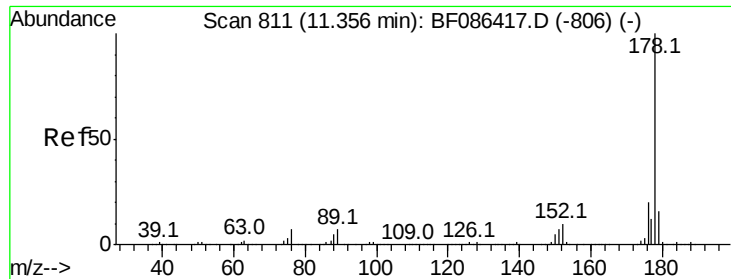
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	13.1	6.8	10.2#	
80	14.4	7.1	10.7#	



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





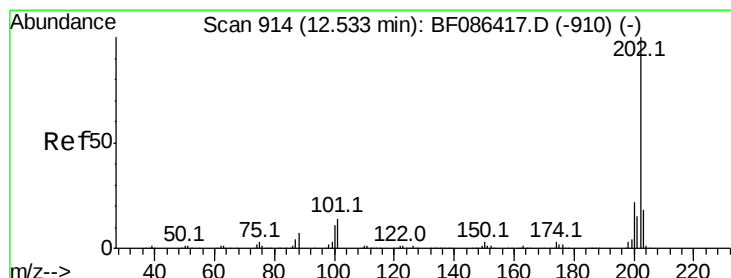
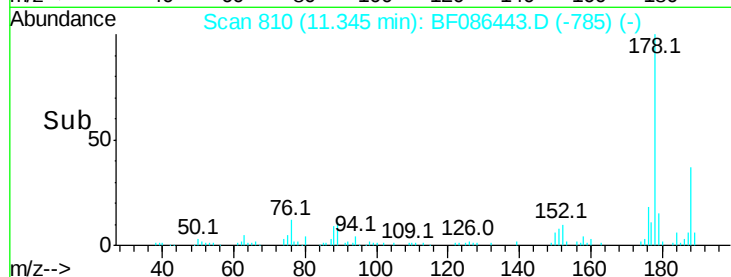
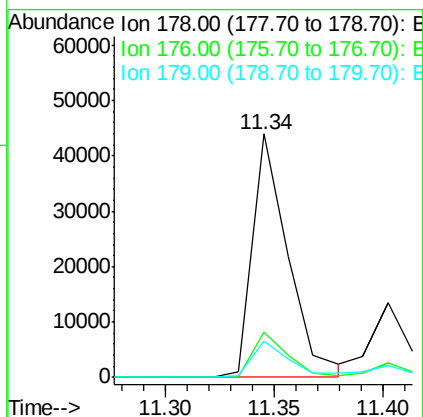
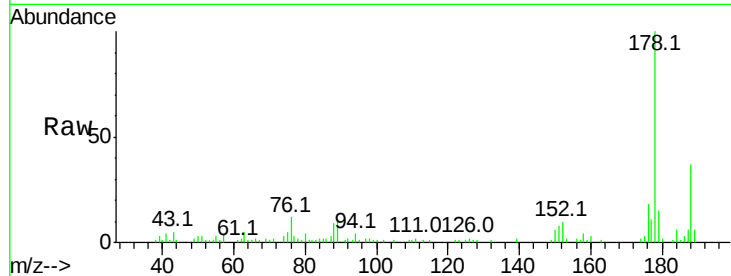
#70
Phenanthrene
Concen: 3.43 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Instrument :
BNA_F
ClientSampleId :
EUT01-B6B9B11B15B10-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.0	24.0
179	14.9	12.6	18.8

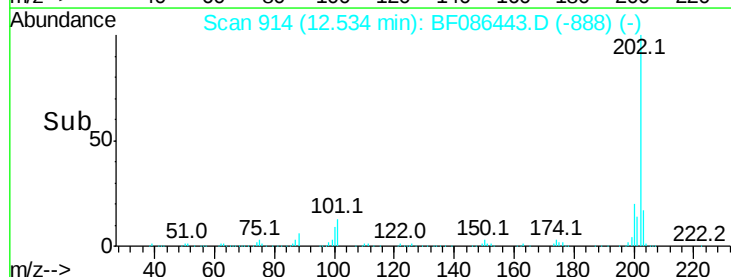
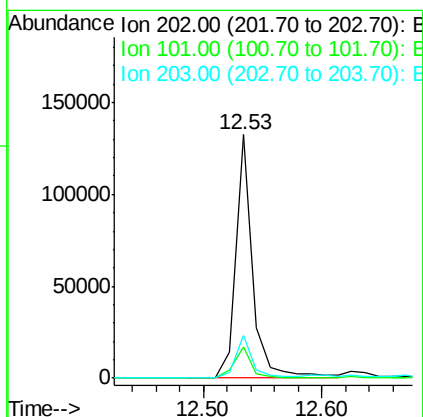
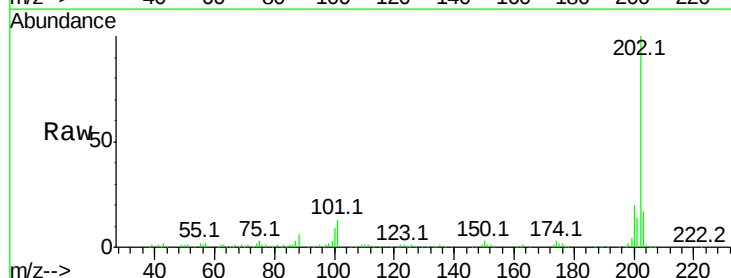
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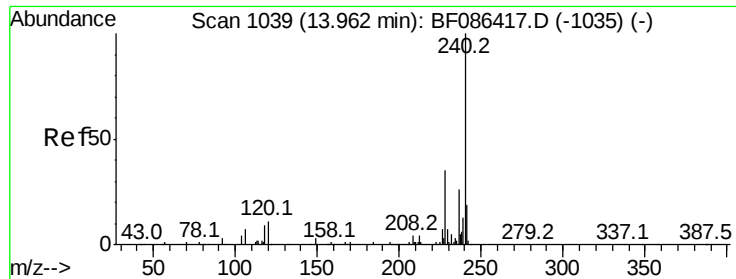
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#74
Fluoranthene
Concen: 8.94 ng
RT: 12.53 min Scan# 914
Delta R.T. 0.00 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	35.4
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Instrument :

BNA_F

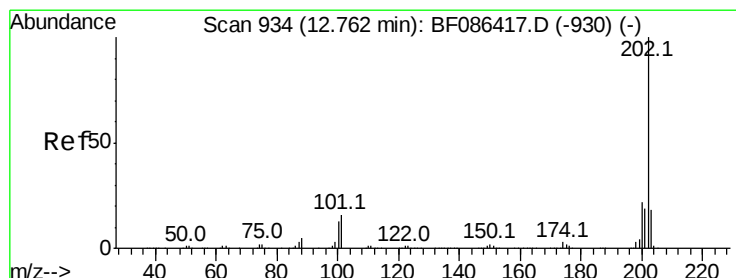
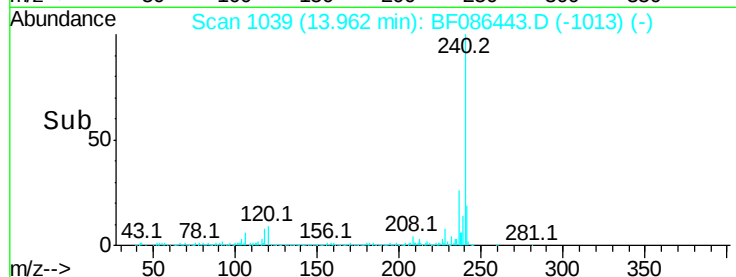
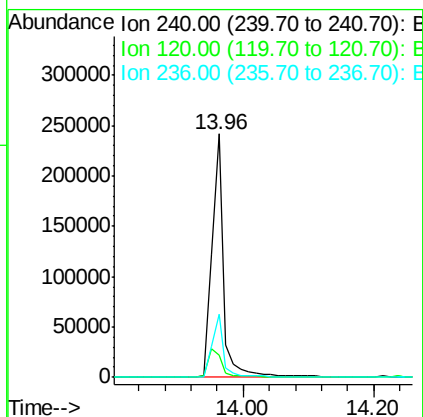
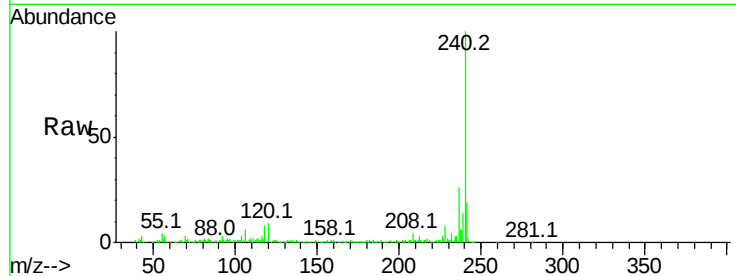
ClientSampleId :

EUT01-B6B9B11B15B10-C

Tot Ion:	240	Resp:	306291
Ion Ratio		Lower	Upper
240	100		
120	9.2	11.2	16.8#
236	26.0	21.2	31.8

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#77

Pyrene

Concen: 5.90 ng

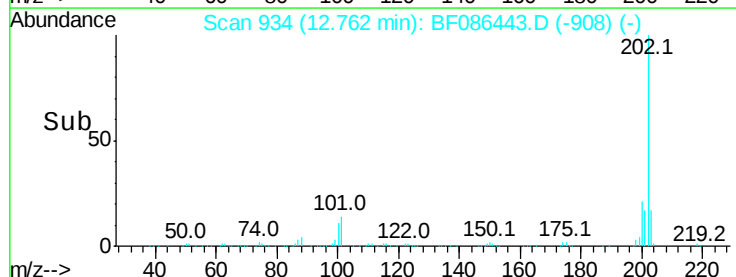
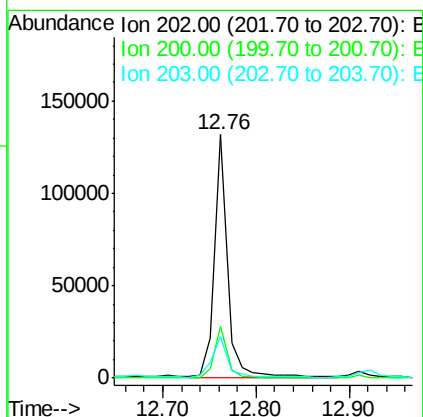
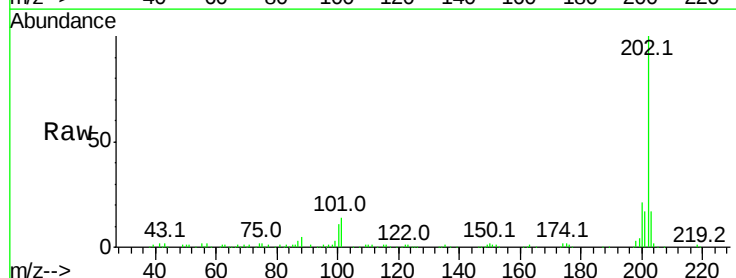
RT: 12.76 min Scan# 934

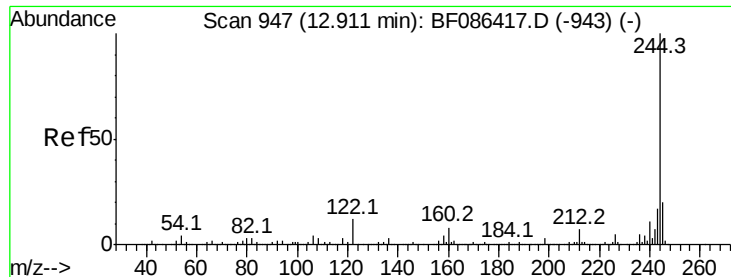
Delta R.T. 0.00 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Tgt Ion:	202	Resp:	130142
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.7	26.5
203	17.0	14.2	21.4





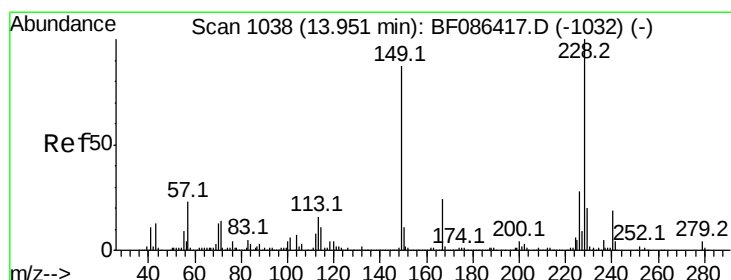
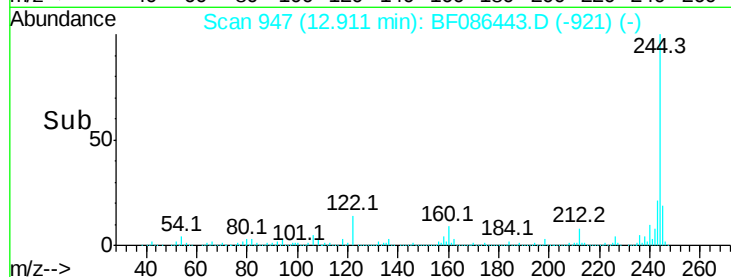
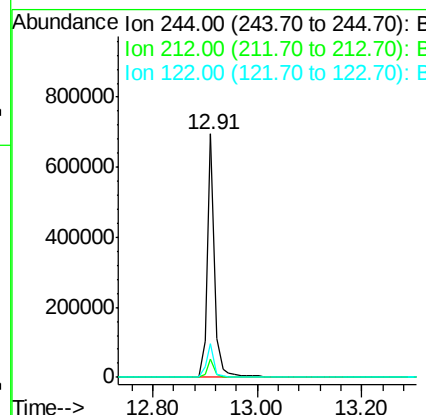
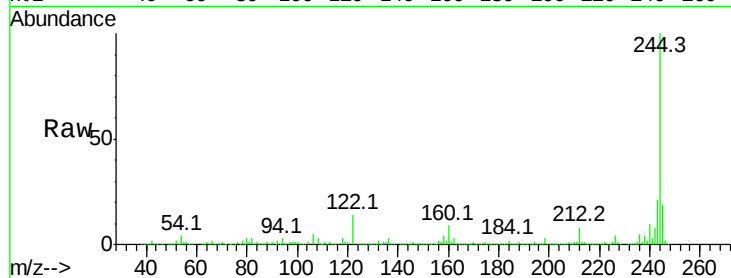
#78
 Terphenyl-d14
 Concen: 49.07 ng
 RT: 12.91 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF086443.D
 Acq: 28 Apr 2016 00:26

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-B6B9B11B15B10-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	13.9	12.0	18.0

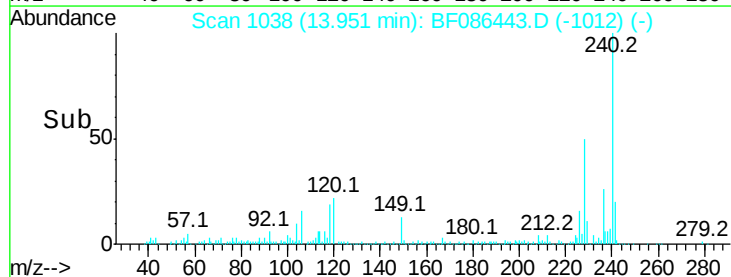
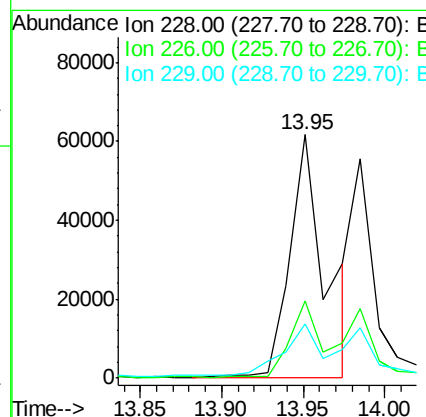
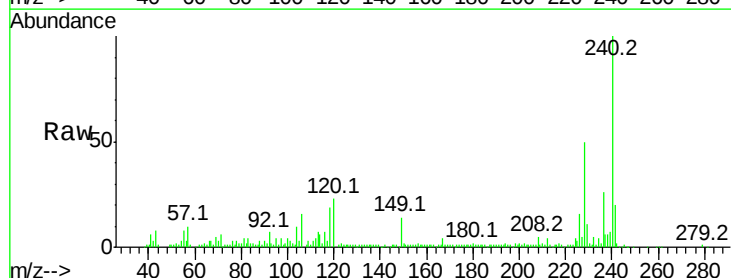
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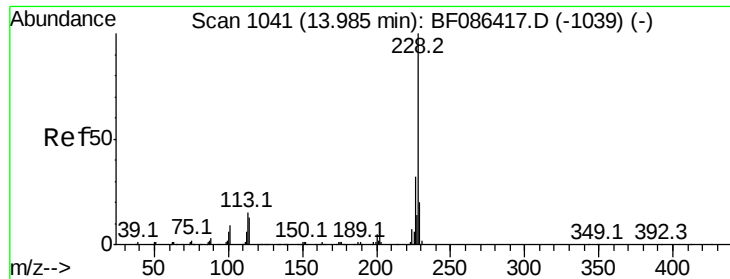
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#80
 Benzo(a)anthracene
 Concen: 5.76 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF086443.D
 Acq: 28 Apr 2016 00:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.5	33.7
229	22.2	16.6	25.0





#82

Chrysene

Concen: 3.07 ng/mL

RT: 13.99 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Instrument :

BNA_F

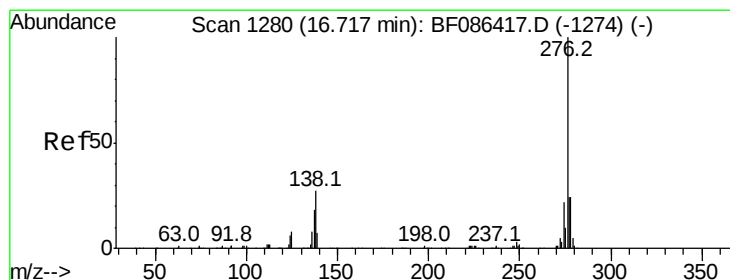
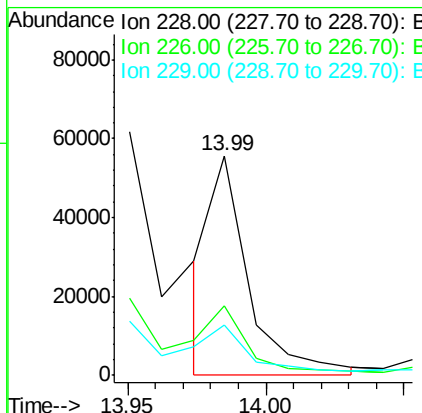
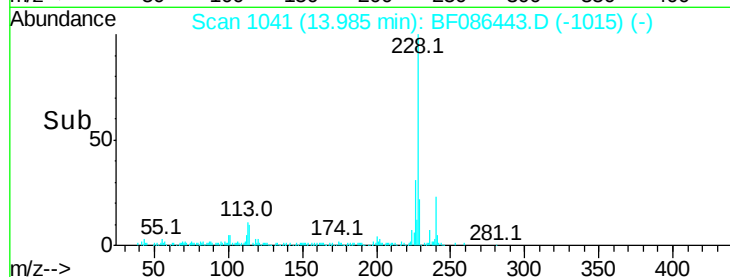
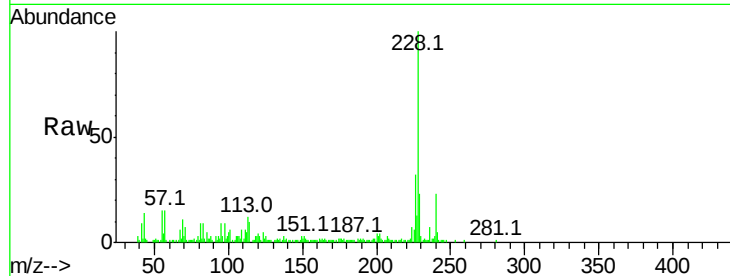
ClientSampleId :

EUT01-B6B9B11B15B10-C

Tot Ion:	228	Resp:	54438
Ion Ratio	Lower	Upper	
228	100		
226	31.9	24.4	36.6
229	22.9	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.37 ng/mL

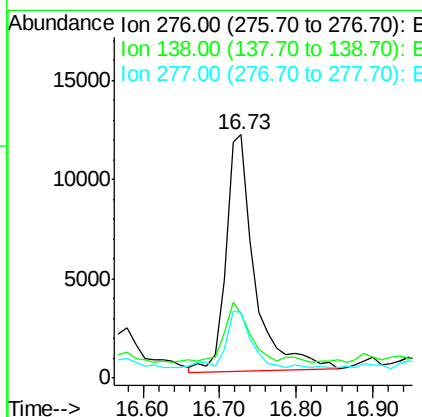
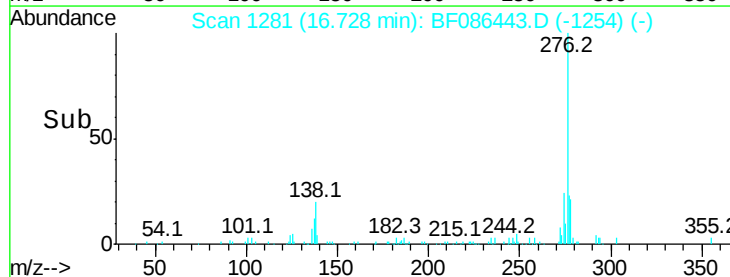
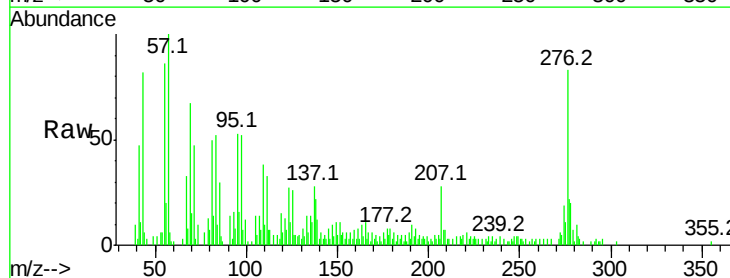
RT: 16.73 min Scan# 1281

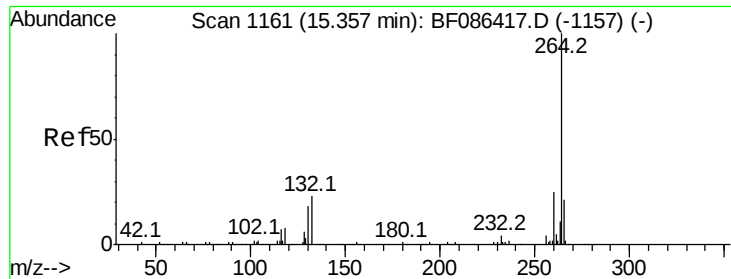
Delta R.T. 0.01 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Tgt Ion:	276	Resp:	31195
Ion Ratio	Lower	Upper	
276	100		
138	23.0	25.6	38.4#
277	21.9	20.5	30.7





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Instrument :

BNA_F

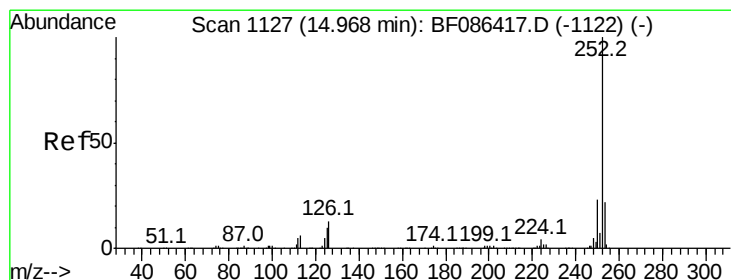
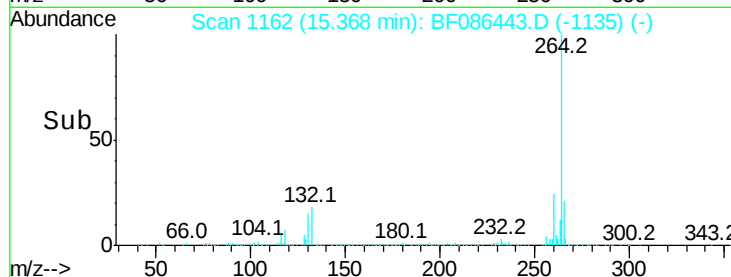
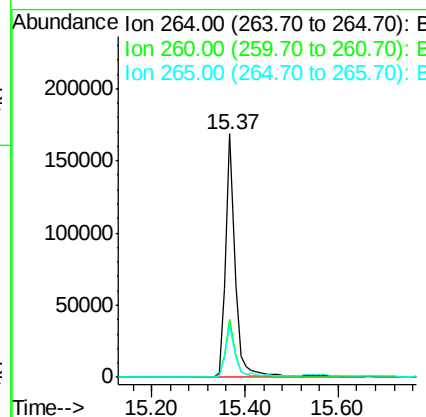
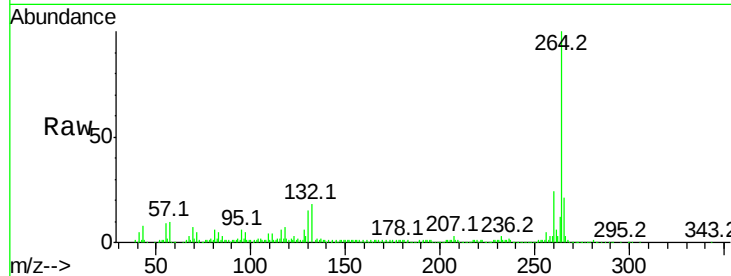
ClientSampleId :

EUT01-B6B9B11B15B10-C

Tot Ion:	264	Resp:	239360
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.5	29.3
265	21.3	17.3	25.9

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#87

Benzo(b)fluoranthene

Concen: 6.11 ng m

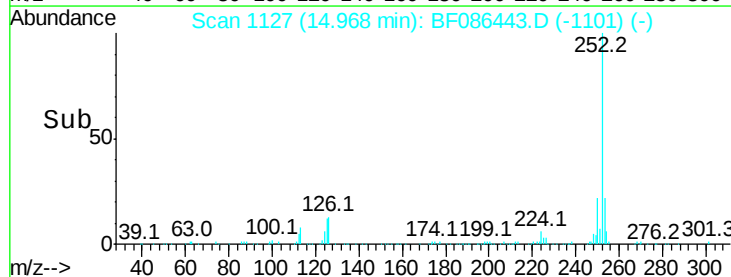
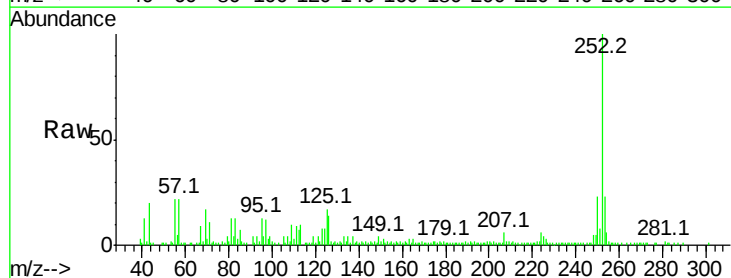
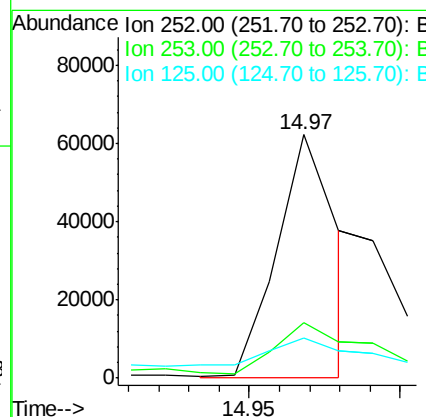
RT: 14.97 min Scan# 1127

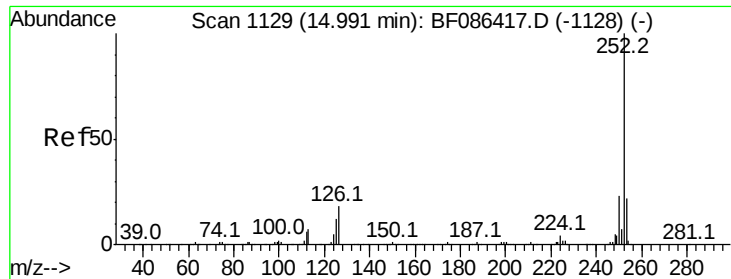
Delta R.T. 0.00 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Tgt Ion:	252	Resp:	85973
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.8	26.6
125	16.6	11.4	17.0





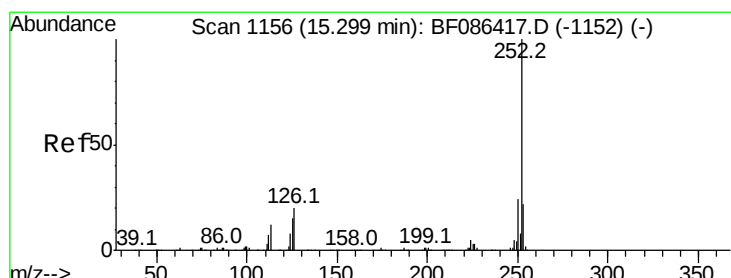
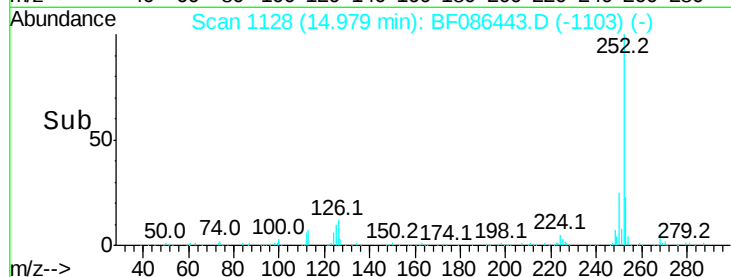
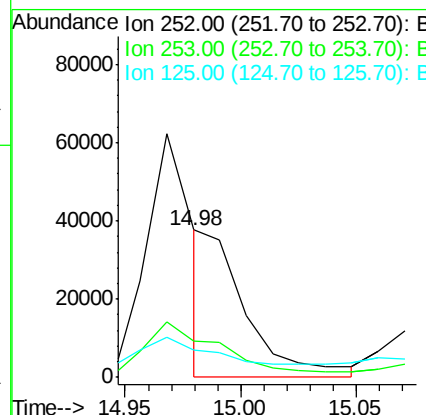
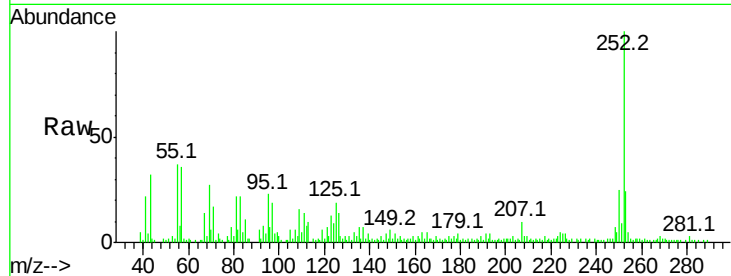
#88
Benzo(k)fluoranthene
Concen: 3.09 ng m
RT: 14.98 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Instrument :
BNA_F
ClientSampleId :
EUT01-B6B9B11B15B10-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.6
125	18.6	9.1	13.7

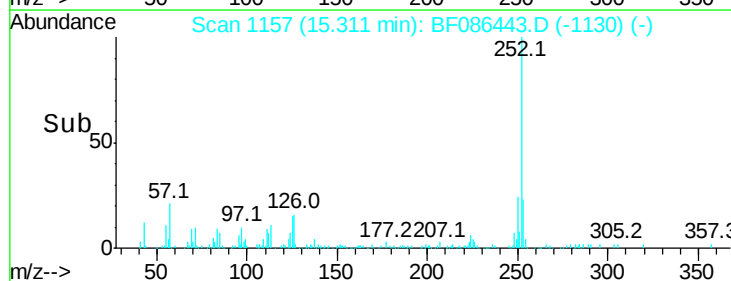
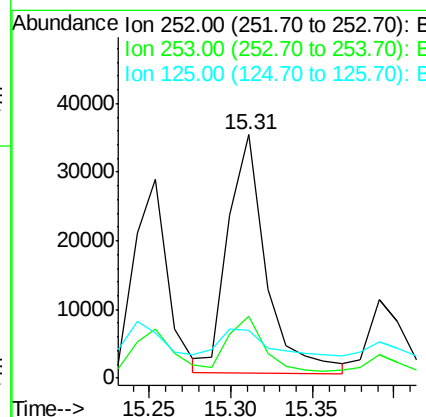
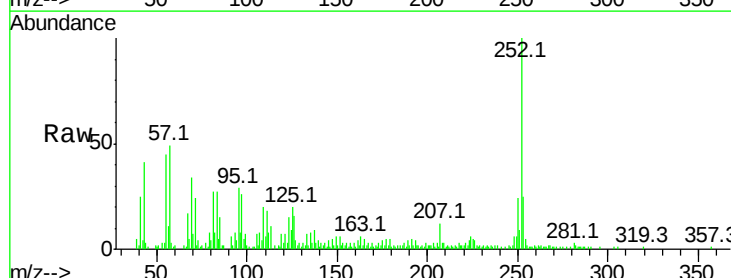
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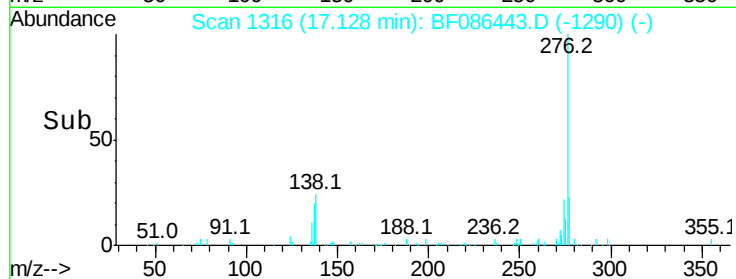
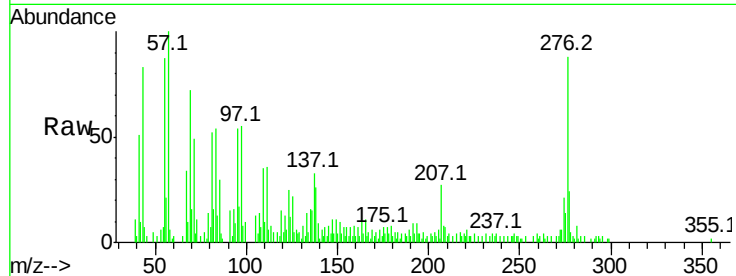
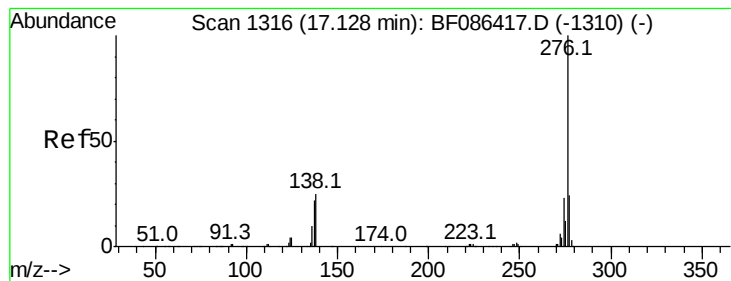
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#89
Benzo(a)pyrene
Concen: 4.22 ng
RT: 15.31 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.2	25.8
125	19.6	9.0	13.6





#91

Benzo(a,h,i)perylene

Concen: 2.74 ng

RT: 17.13 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Instrument :

BNA_F

ClientSampleId :

EUT01-B6B9B11B15B10-C

Tot Ion: 276 Resp: 29869

Ion Ratio Lower Upper

276 100

277 27.0 19.6 29.4

138 29.6 23.6 35.4

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