

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
 Data File : BF086714.D
 Acq On : 5 May 2016 19:21
 Operator : UM/SJ
 Sample : H2829-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B12(0-8.5)-C

Manual Integrations
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Quant Time: May 06 01:54:28 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	187007	40.00	ng	-0.01
21) Naphthalene-d8	8.01	136	720069	40.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	331920	40.00	ng	-0.02
63) Phenanthrene-d10	11.24	188	598144	40.00	ng	-0.01
75) Chrysene-d12	13.87	240	367059	40.00	ng	-0.01
86) Perylene-d12	15.27	264	343212	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1284306	113.69	ng	0.00
7) Phenol-d6	6.37	99	1570654	103.22	ng	0.00
23) Nitrobenzene-d5	7.30	82	1120463	79.96	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	388302	119.59	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1530184	75.57	ng	-0.01
78) Terphenyl-d14	12.83	244	1155519	63.62	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.48	163	198424	8.02	ng	99
70) Phenanthrene	11.26	178	195654	6.09	ng	98
74) Fluoranthene	12.45	202	319865	9.93	ng	91
77) Pyrene	12.67	202	279216	9.54	ng	97
80) Benzo(a)anthracene	13.86	228	139448	6.72	ng	97
82) Chrysene	13.89	228	106329m	4.80	ng	
85) Indeno(1,2,3-cd)pyrene	16.57	276	72518	3.82	ng	# 88
87) Benzo(b)fluoranthene	14.88	252	156260m	7.58	ng	
88) Benzo(k)fluoranthene	14.89	252	56595m	2.91	ng	
89) Benzo(a)pyrene	15.20	252	111635	5.88	ng	# 94
91) Benzo(g,h,i)perylene	16.96	276	68225	3.56	ng	95

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

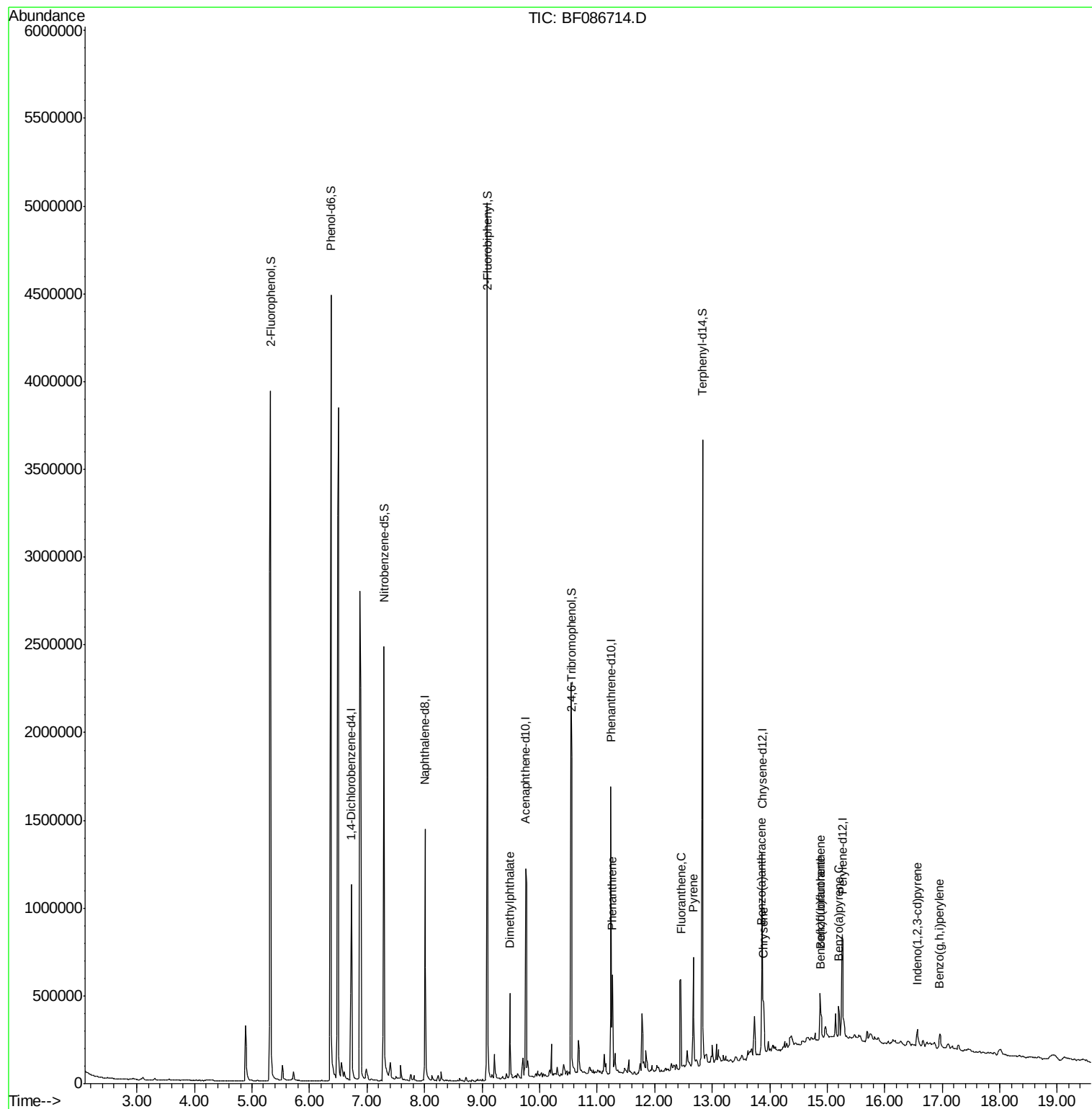
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

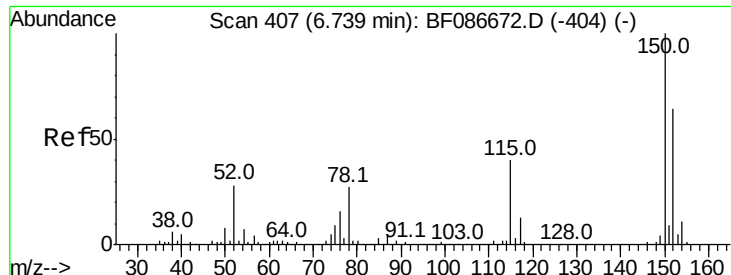
Instrument :
BNA_F
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EUT01-TD-B12(0-8.5)-C

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#1

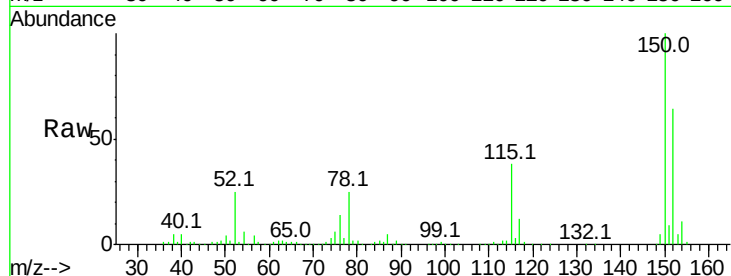
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B12(0-8.5)-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.8	188.6
115	58.6	51.5	77.3

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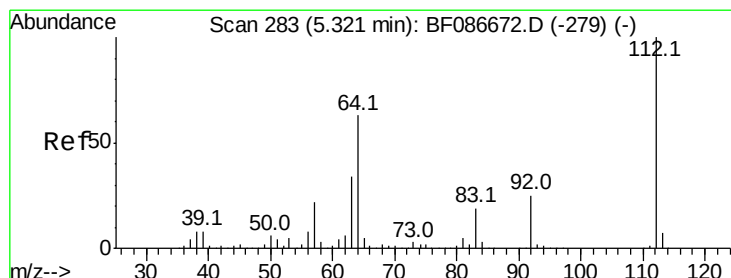
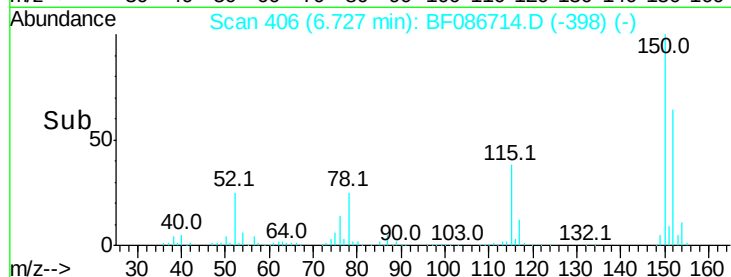
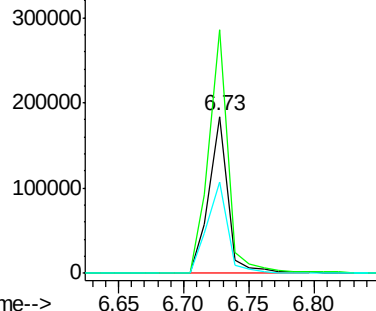


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

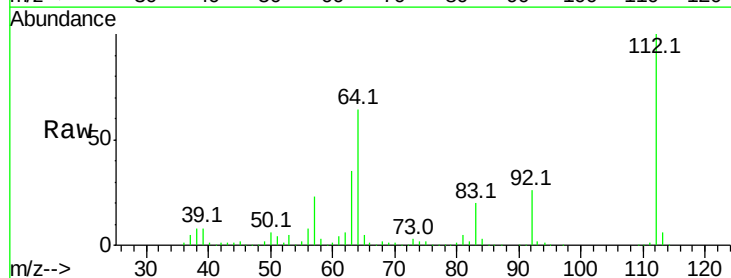
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 113.69 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.00 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	52.1	78.1
63	34.9	25.7	38.5

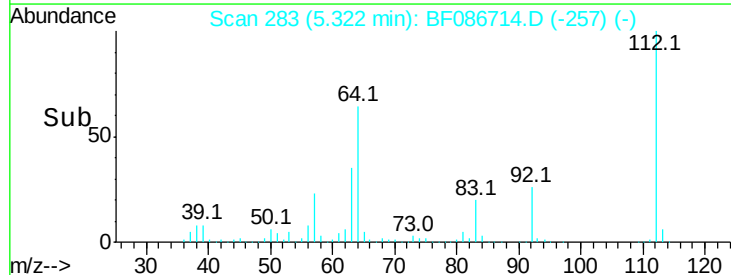
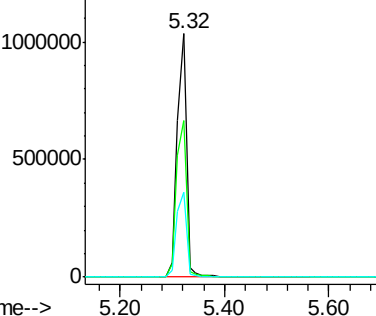


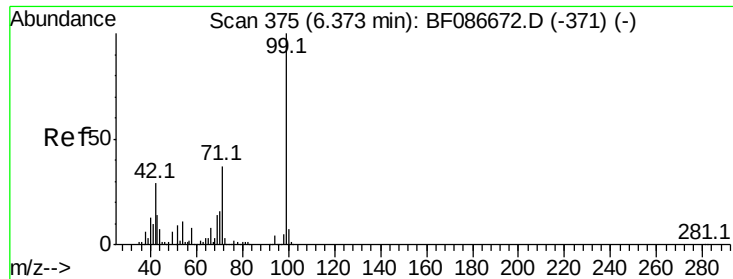
Abundance

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: 103.22 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Instrument :

BNA_F

ClientSampleId :

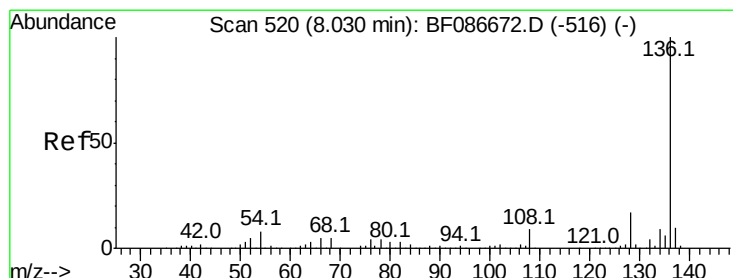
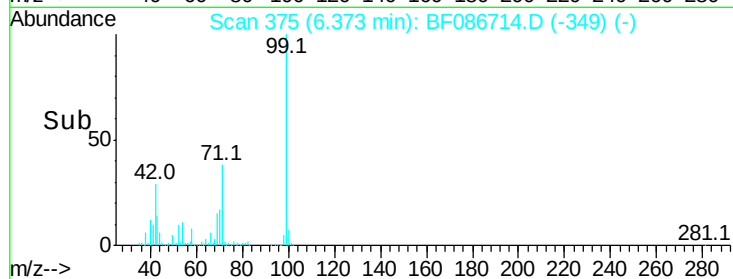
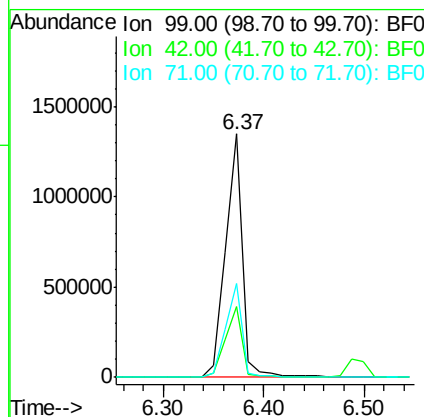
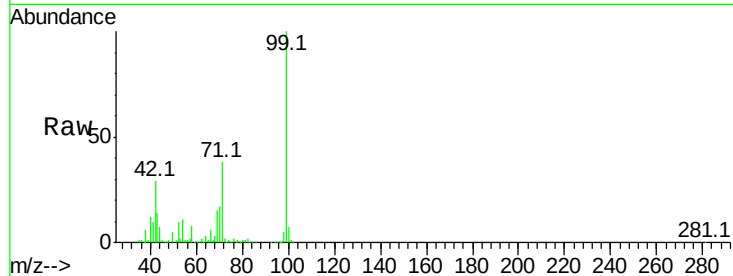
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Tot Ion	99	Resp	1570654
Ion	Ratio	Lower	Upper
99	100		
42	29.3	13.6	20.4#
71	38.5	24.6	36.8#



#21

Naphthalene-d8

Concen: 40.00 ng

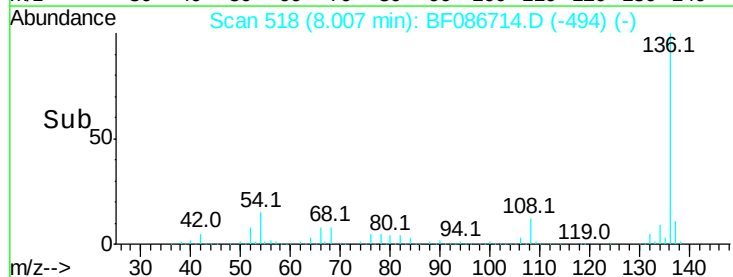
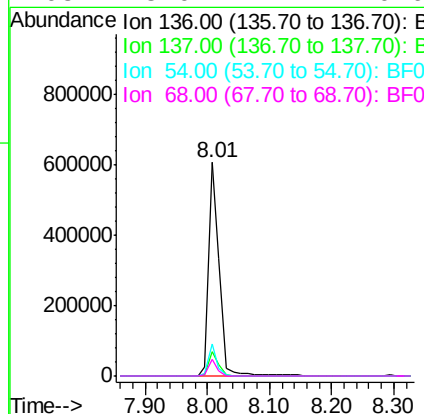
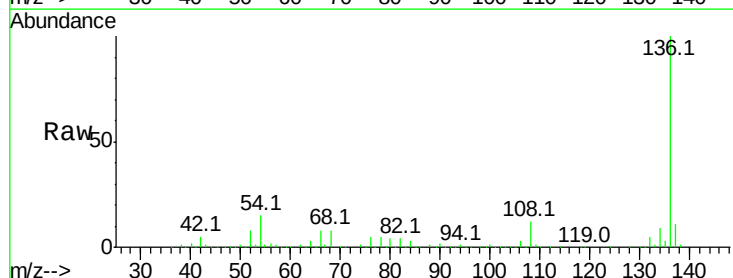
RT: 8.01 min Scan# 518

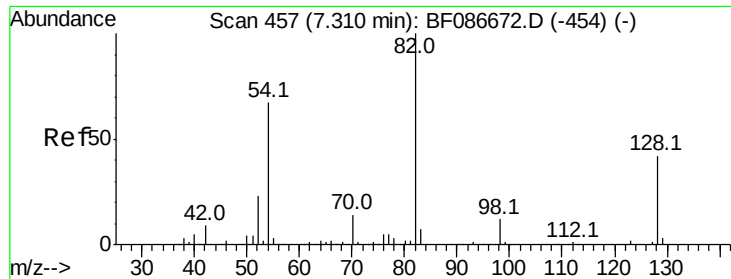
Delta R.T. -0.02 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Tgt Ion	136	Resp	720069
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	14.8	5.0	7.4#
68	8.0	4.4	6.6#





#23

Nitrobenzene-d5

Concen: 79.96 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B12(0-8.5)-C

Tot Ion: 82 Resp: 1120463

Ion Ratio Lower Upper

82 100

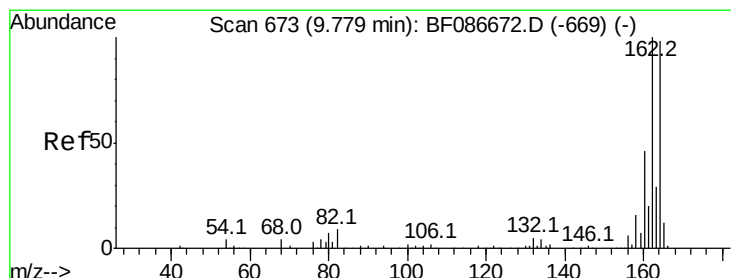
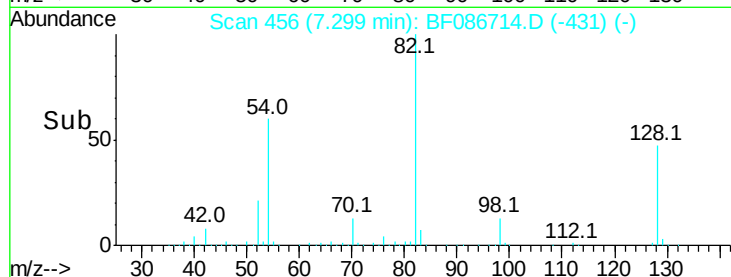
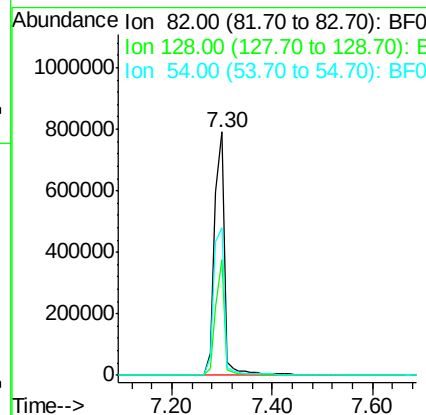
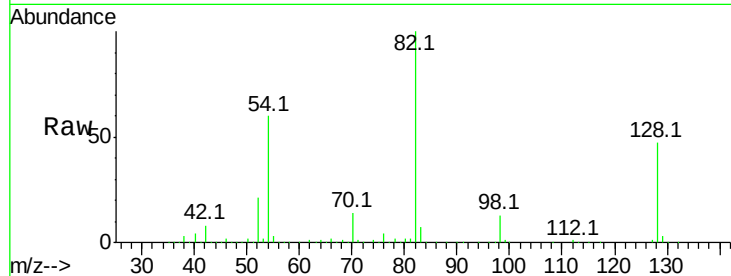
128 47.3 40.6 61.0

54 60.5 38.1 57.1#

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#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.02 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

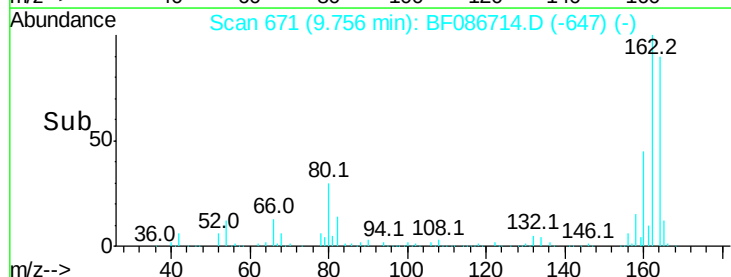
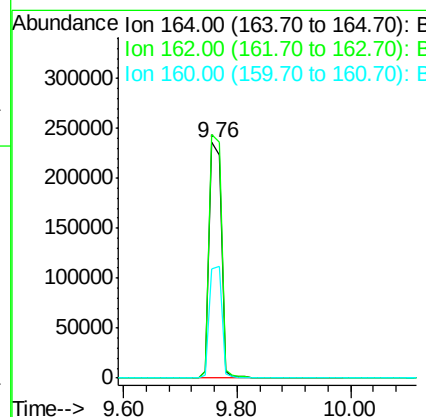
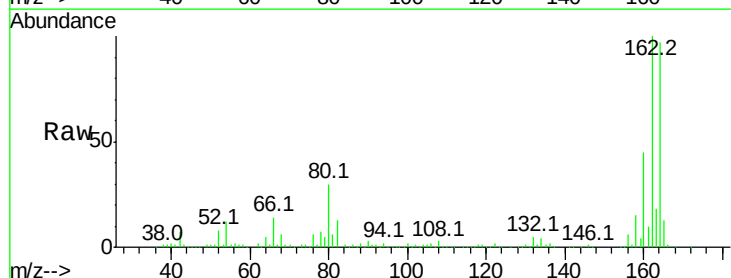
Tgt Ion:164 Resp: 331920

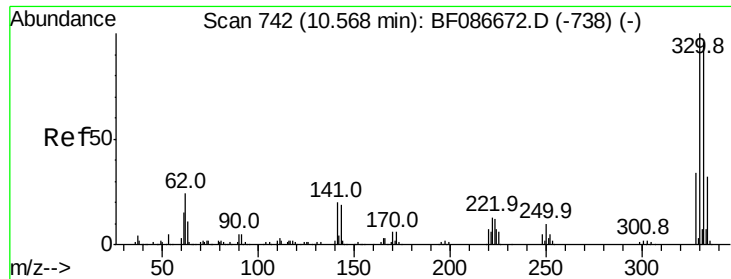
Ion Ratio Lower Upper

164 100

162 103.3 82.8 124.2

160 46.5 36.9 55.3





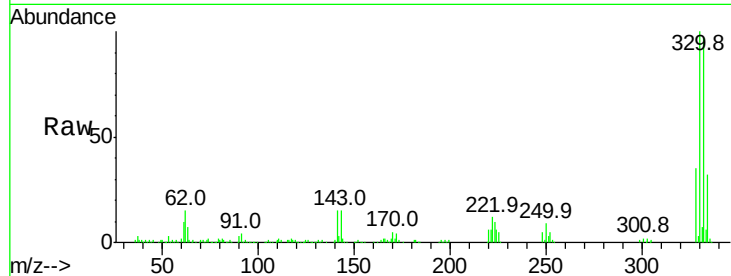
#41
 2,4,6-Tribromophenol
 Concen: 119.59 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF086714.D
 Acq: 5 May 2016 19:21

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B12(0-8.5)-C

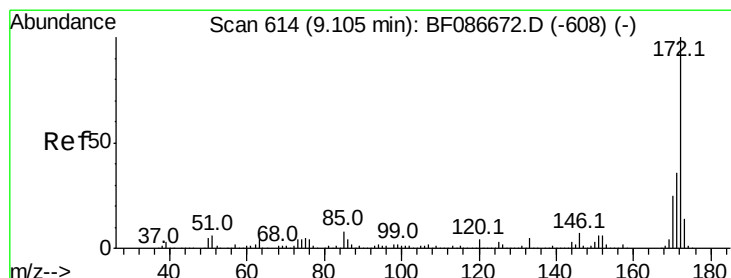
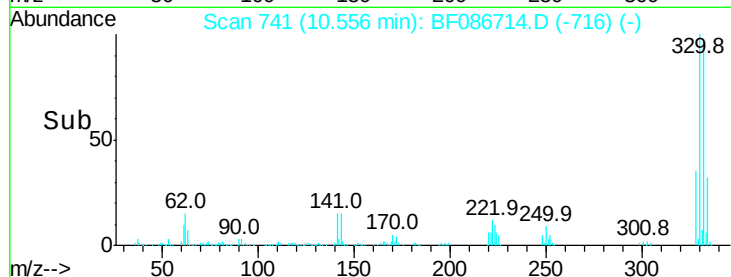
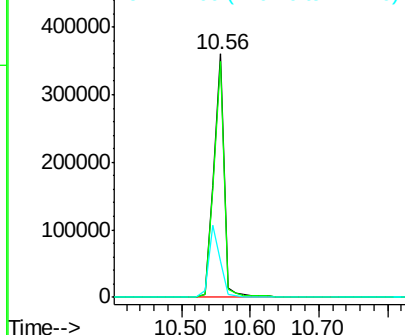
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	79.0	118.4	
141	32.0	31.2	46.8	

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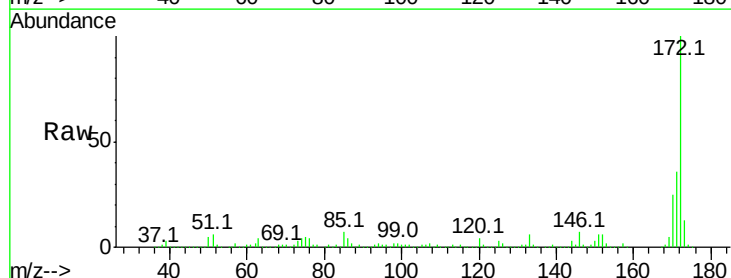


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

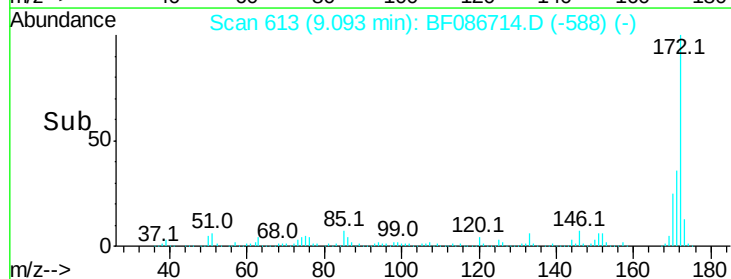
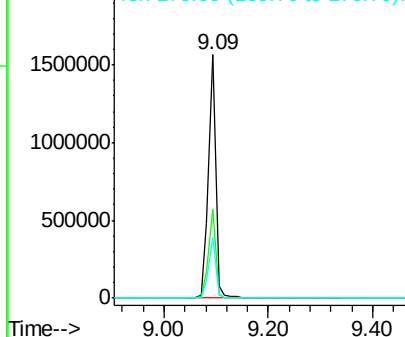


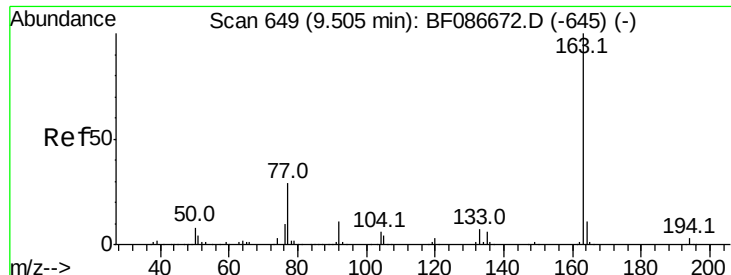
#44
 2-Fluorobiphenyl
 Concen: 75.57 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF086714.D
 Acq: 5 May 2016 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.0	43.6	
170	24.8	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





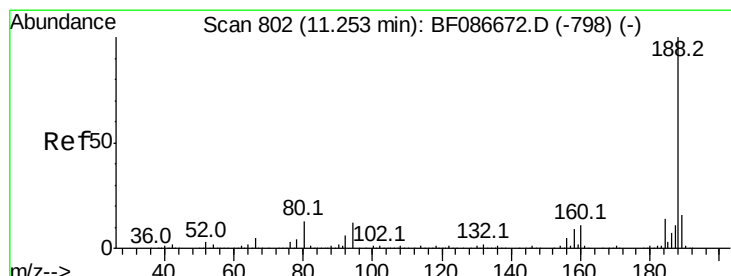
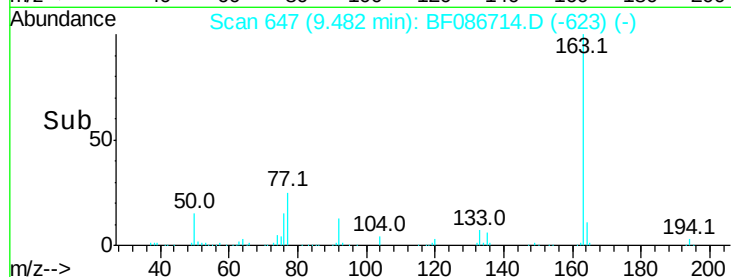
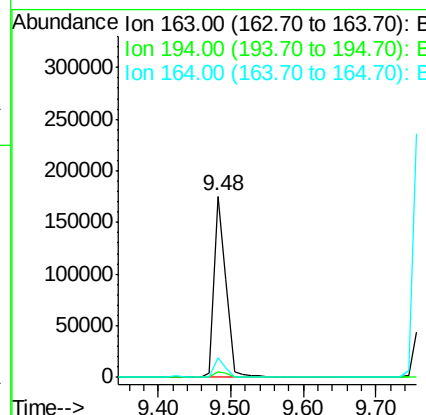
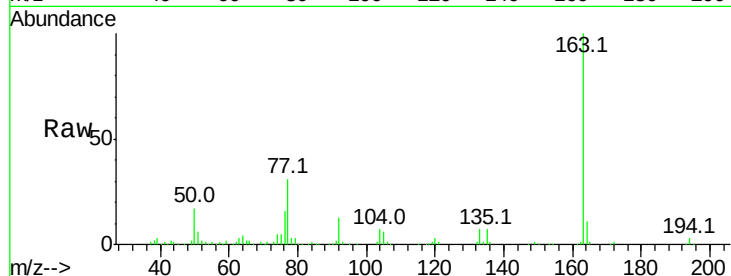
#49
Dimethylphthalate
Concen: 8.02 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B12(0-8.5)-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	198424		
194	3.1		2.6	4.0
164	10.6		8.2	12.4

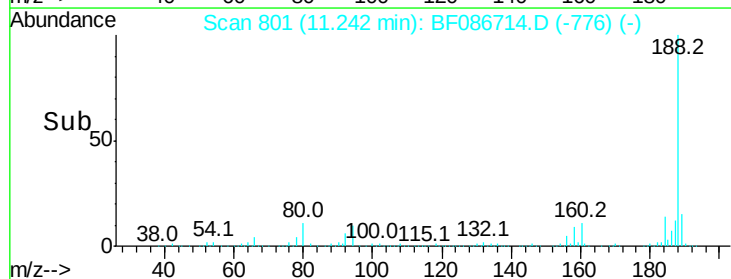
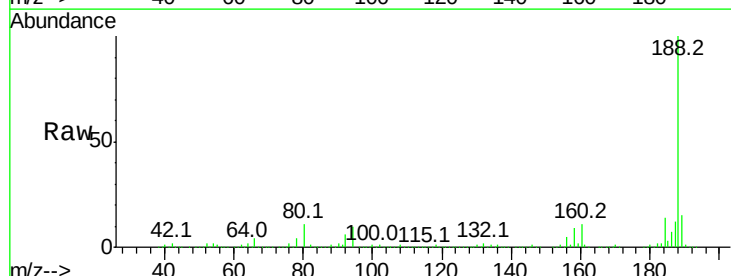
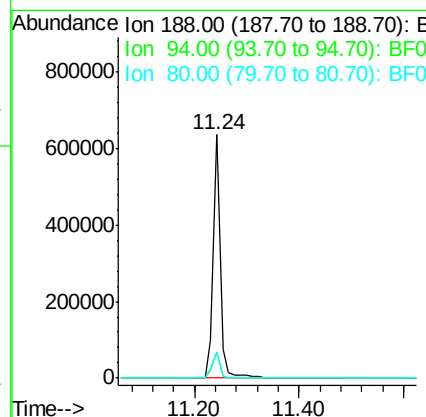
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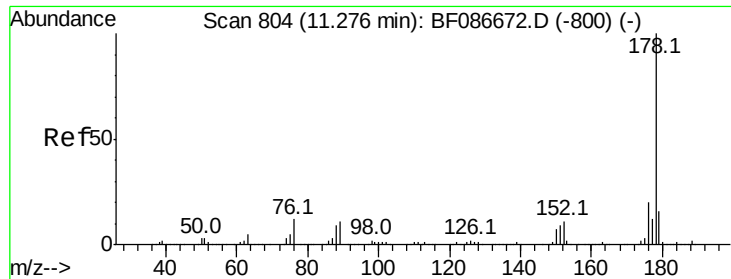
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#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	598144		
94	10.5		6.8	10.2#
80	10.8		7.1	10.7#





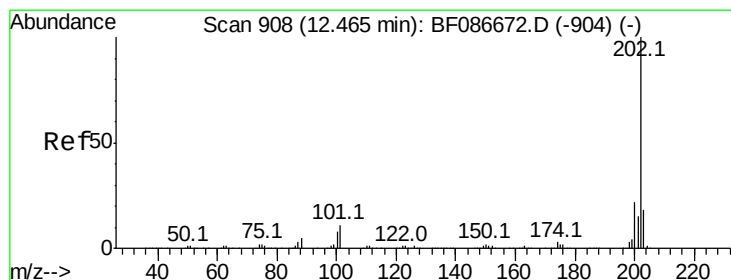
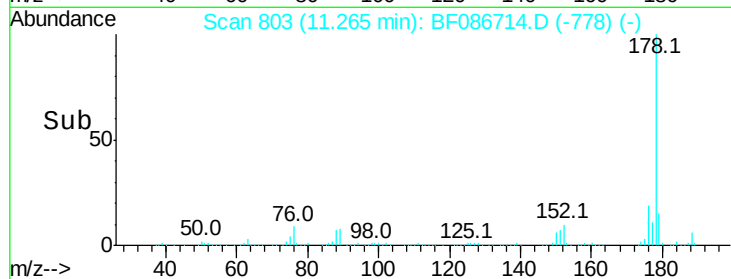
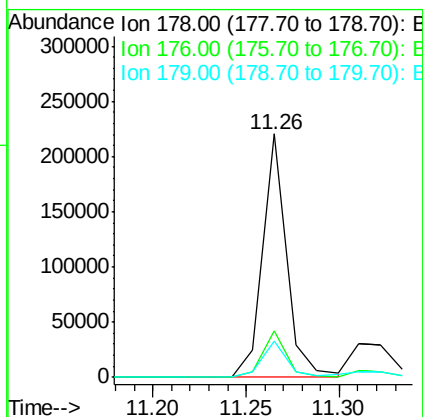
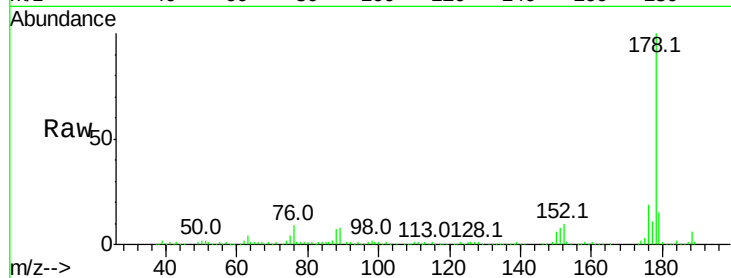
#70
Phenanthrene
Concen: 6.09 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B12(0-8.5)-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.0	24.0
179	15.0	12.6	18.8

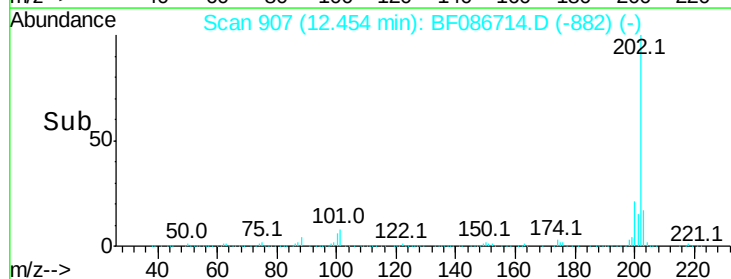
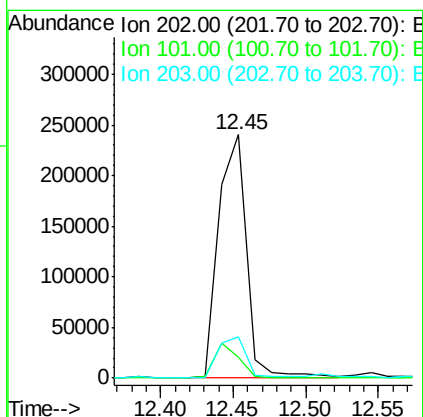
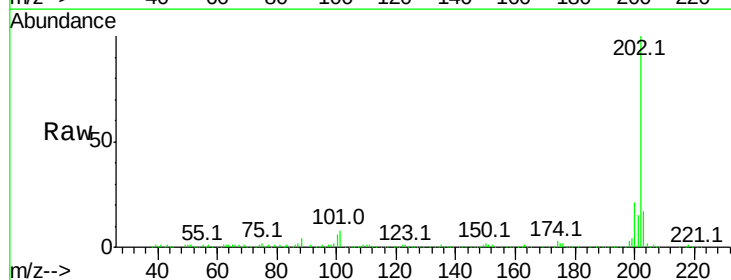
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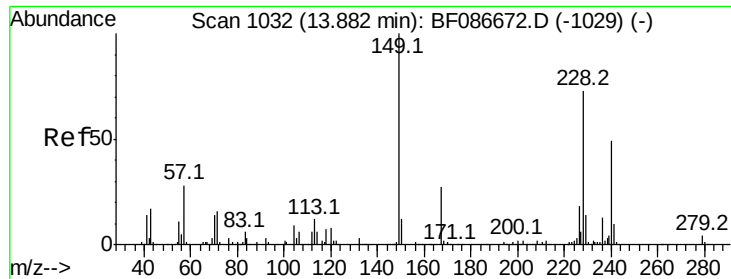
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#74
Fluoranthene
Concen: 9.93 ng
RT: 12.45 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	35.4
203	17.0	0.0	38.1





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Instrument :

BNA_F

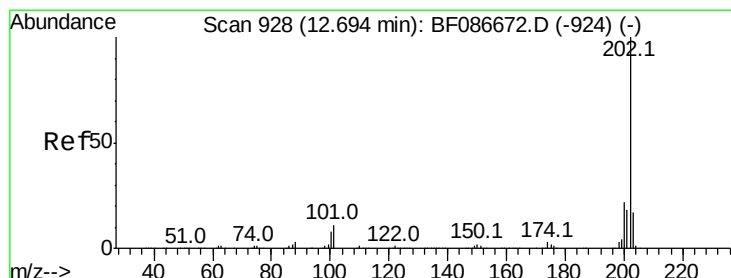
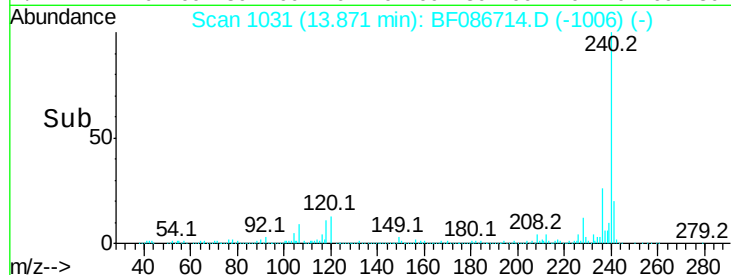
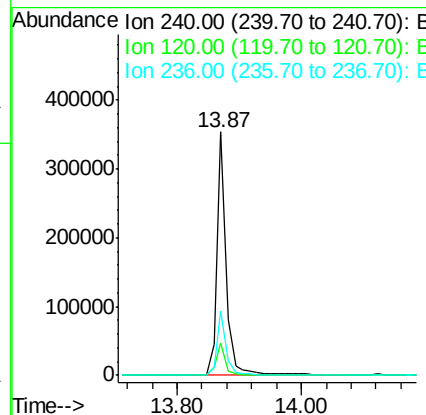
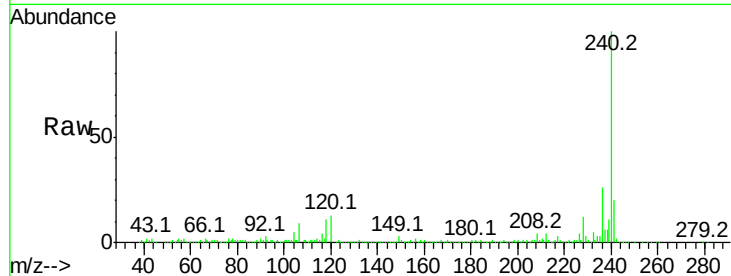
ClientSampleId :

EUT01-TD-B12(0-8.5)-C

Tot Ion:	240	Resp:	367059
Ion Ratio	Lower	Upper	
240	100		
120	13.2	11.2	16.8
236	26.4	21.2	31.8

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#77

Pyrene

Concen: 9.54 ng

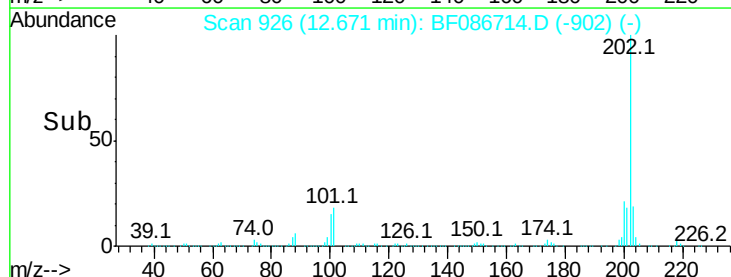
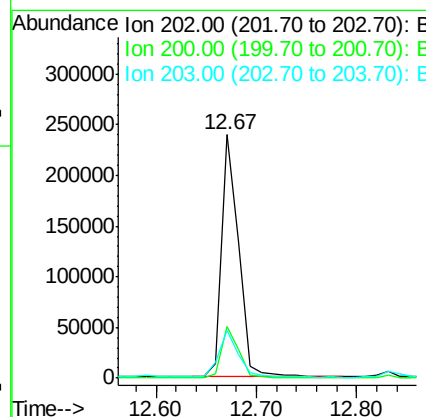
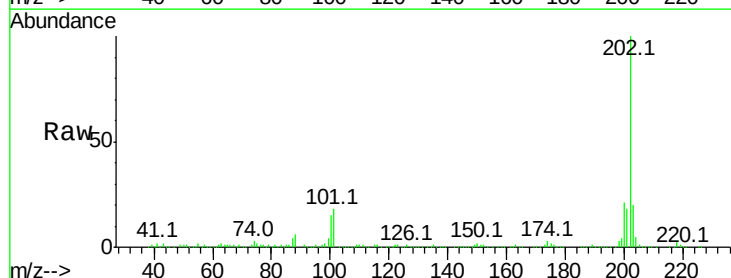
RT: 12.67 min Scan# 926

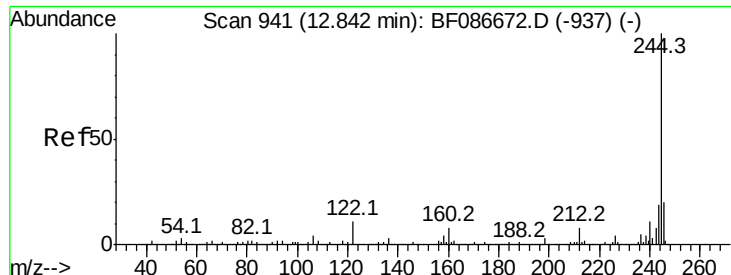
Delta R.T. -0.02 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Tgt Ion:	202	Resp:	279216
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	19.6	14.2	21.4





#78

Terphenyl-d14

Concen: 63.62 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF086714.D

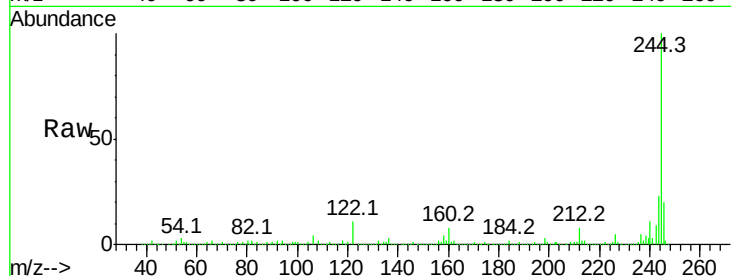
Acq: 5 May 2016 19:21

Instrument :

BNA_F

ClientSampleId :

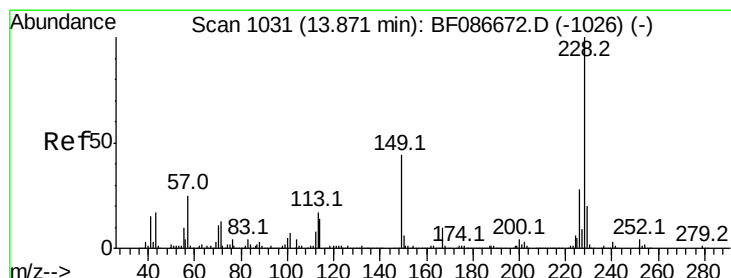
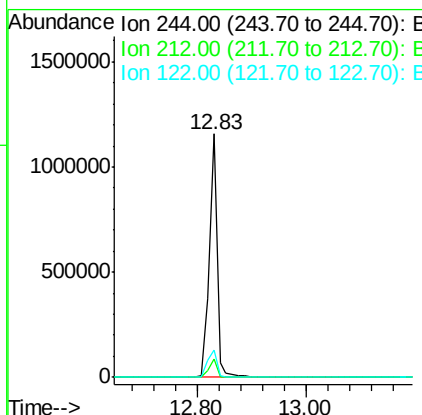
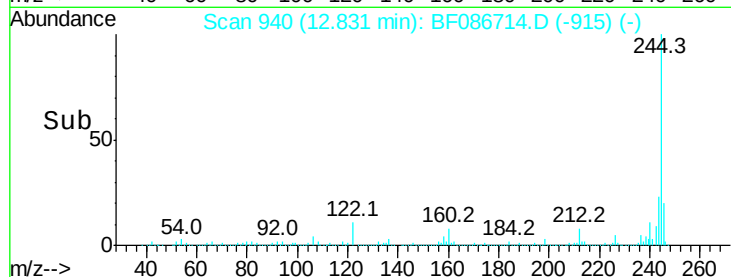
EUT01-TD-B12(0-8.5)-C



Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	11.1	12.0	18.0#

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#80

Benzo(a)anthracene

Concen: 6.72 ng

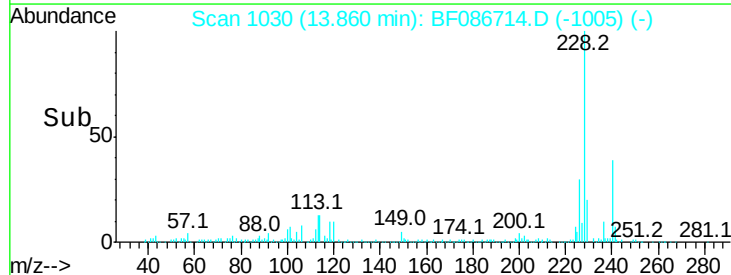
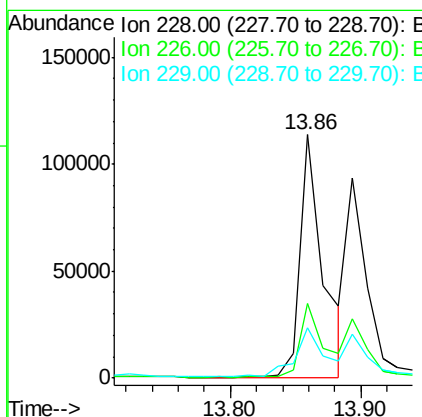
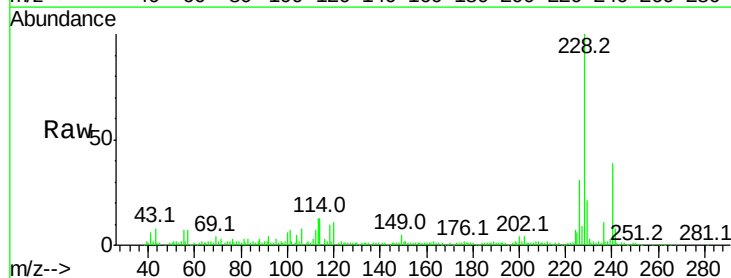
RT: 13.86 min Scan# 1030

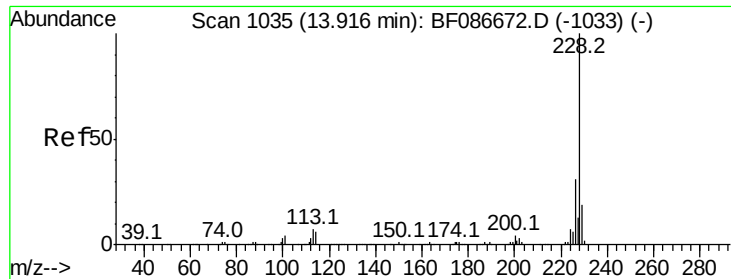
Delta R.T. -0.01 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.5	33.7
229	20.8	16.6	25.0





#82

Chrysene

Concen: 4.80 ng/mL

RT: 13.89 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Instrument :

BNA_F

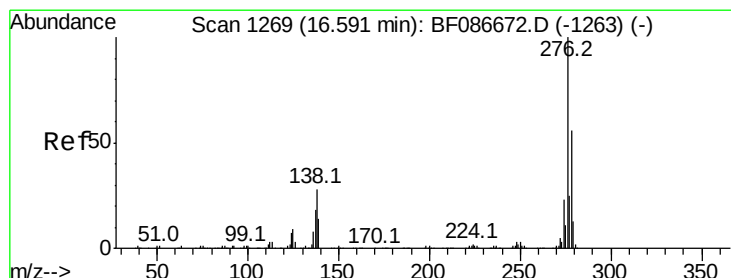
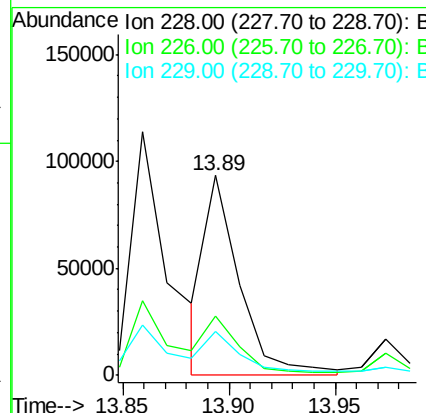
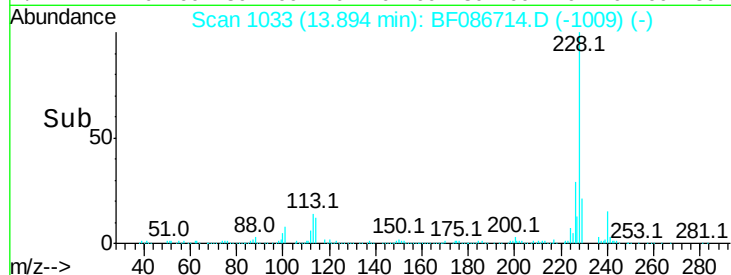
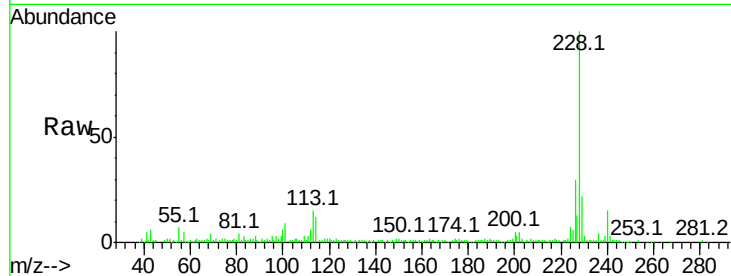
ClientSampleId :

EUT01-TD-B12(0-8.5)-C

Tot Ion:	228	Resp:	106329
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.4	36.6
229	22.0	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.82 ng/mL

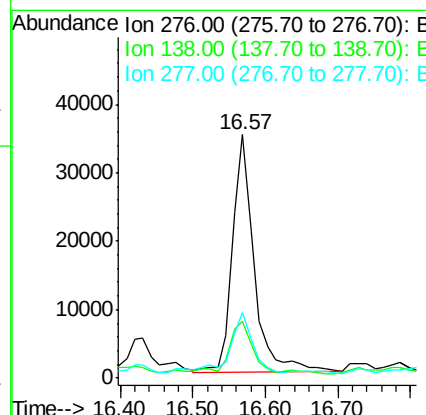
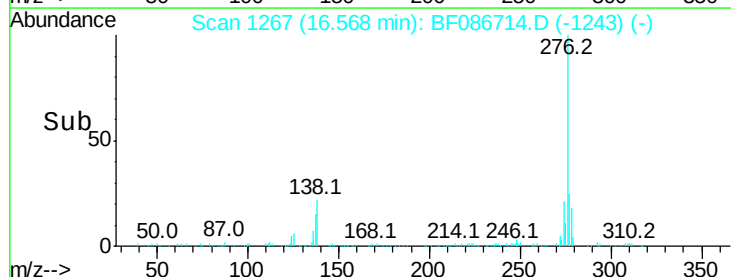
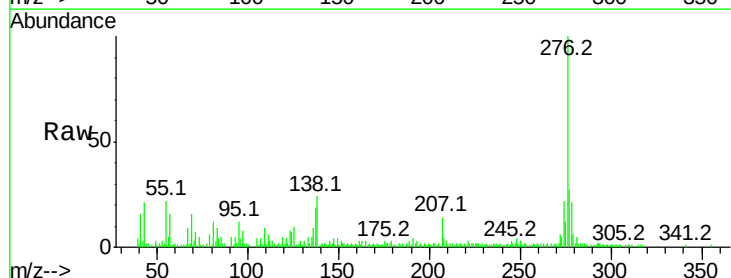
RT: 16.57 min Scan# 1267

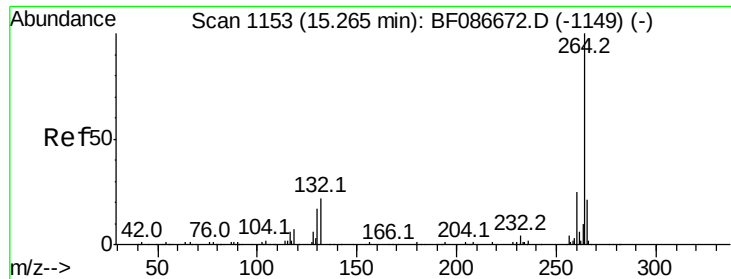
Delta R.T. -0.02 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Tgt Ion:	276	Resp:	72518
Ion Ratio	Lower	Upper	
276	100		
138	21.4	25.6	38.4#
277	26.8	20.5	30.7





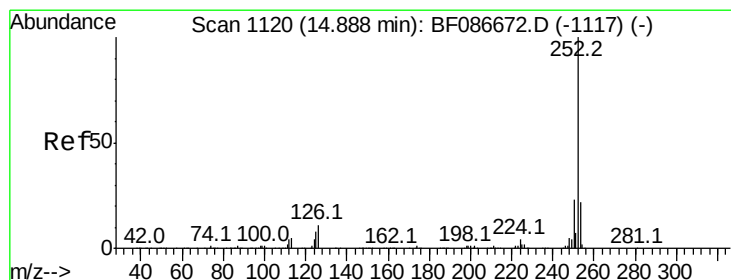
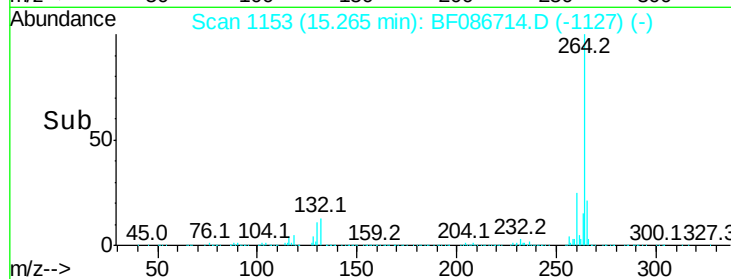
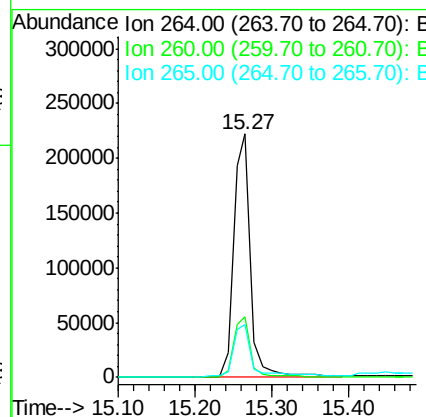
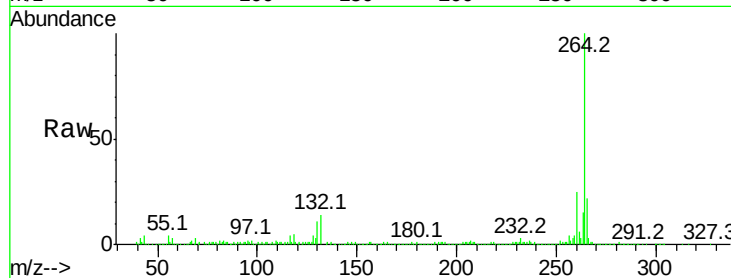
#86
Pervlene-d12
Concen: 40.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B12(0-8.5)-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	21.7	17.3	25.9

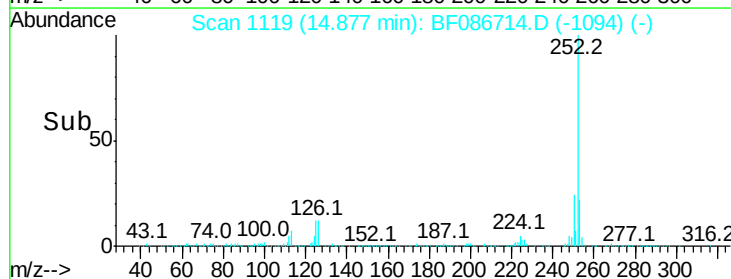
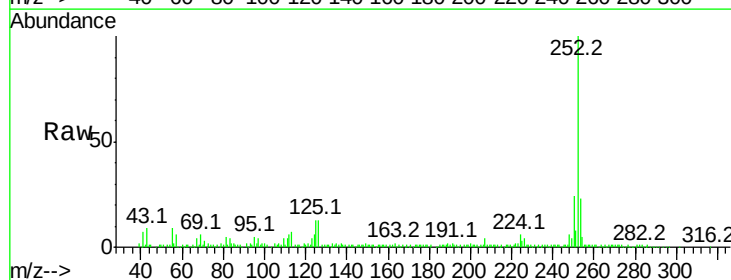
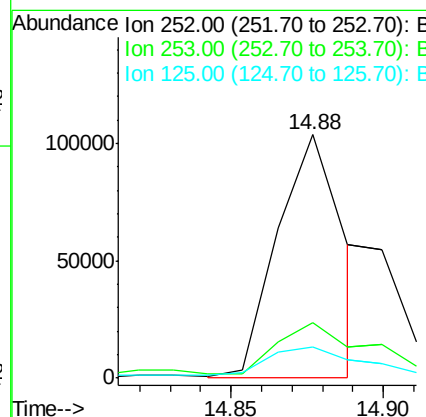
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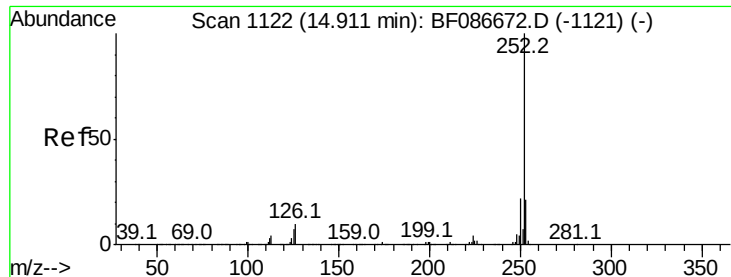
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#87
Benzo(b)fluoranthene
Concen: 7.58 ng m
RT: 14.88 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	13.0	11.4	17.0





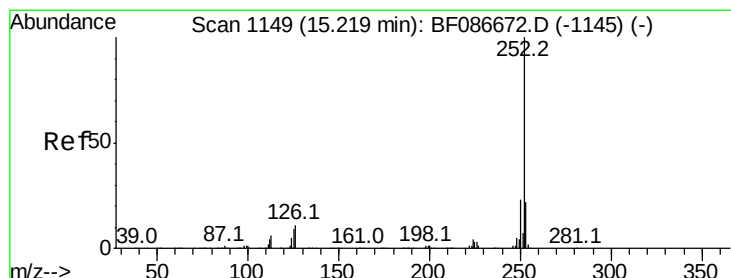
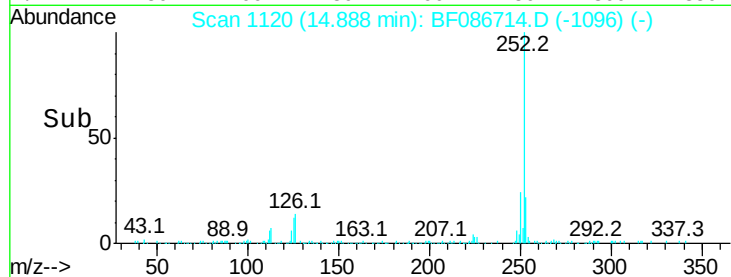
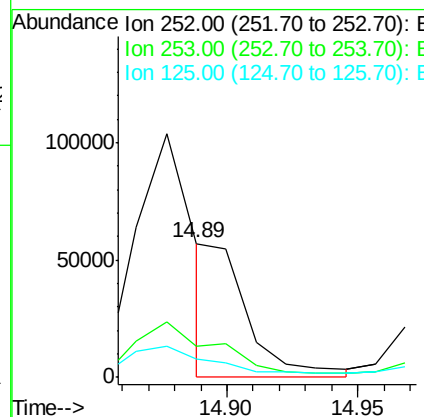
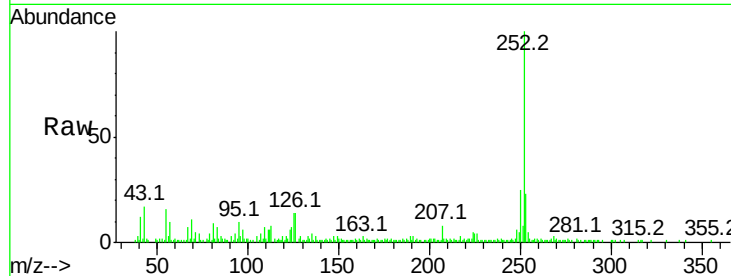
#88
Benzo(k)fluoranthene
Concen: 2.91 ng
RT: 14.89 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B12(0-8.5)-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	13.9	9.1	13.7

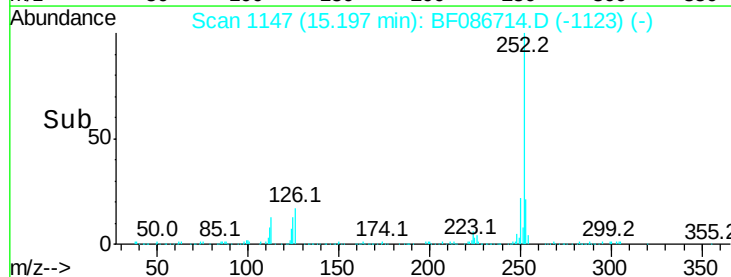
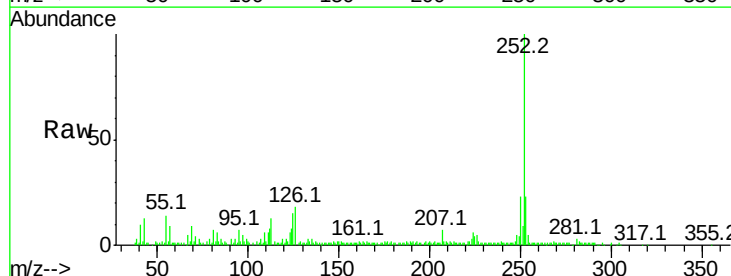
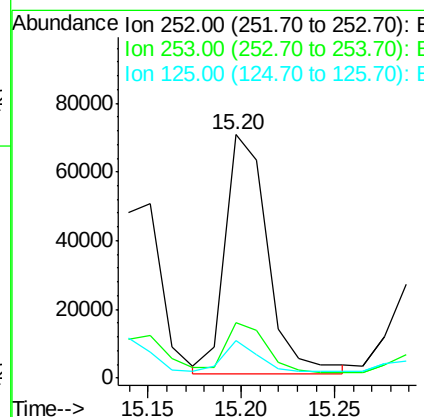
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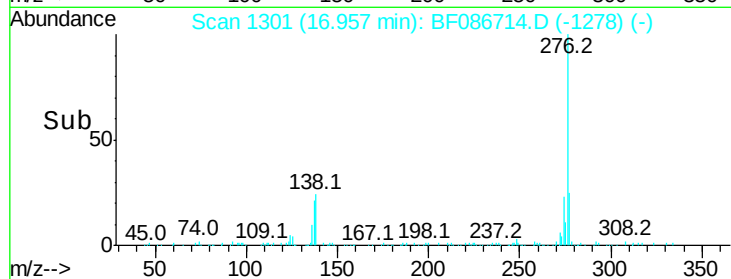
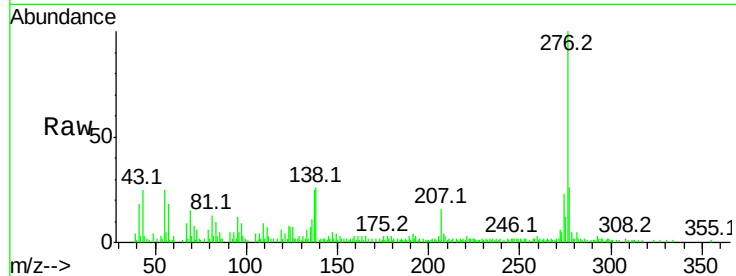
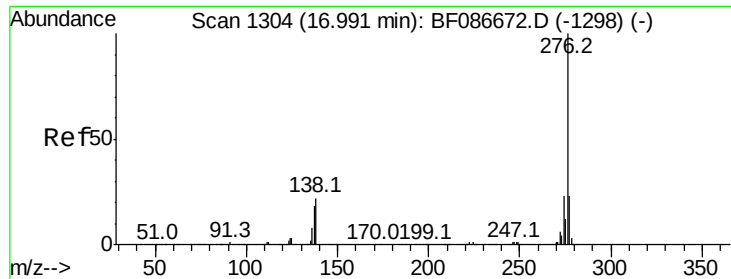
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#89
Benzo(a)pyrene
Concen: 5.88 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	15.2	9.0	13.6





#91

Benzo(a,h,i)perylene

Concen: 3.56 ng

RT: 16.96 min Scan# 1301

Delta R.T. -0.03 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B12(0-8.5)-C

Tot Ion:	276	Resp:	68225
Ion Ratio	Lower	Upper	
276	100		
277	26.2	19.6	29.4
138	25.7	23.6	35.4

Manual Integrations
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