

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
 Data File : BF086705.D
 Acq On : 5 May 2016 4:44
 Operator : UM/SJ
 Sample : H2829-13
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B3(0-5)-C

Manual Integrations
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Quant Time: May 05 07:10:02 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	6.74	152	165581	40.00	ng	0.00
21) Naphthalene-d8	8.03	136	592364	40.00	ng	0.00
38) Acenaphthene-d10	9.78	164	235545	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	353658m	40.00	ng	0.00
75) Chrysene-d12	13.89	240	337119	40.00	ng	0.01
86) Perylene-d12	15.29	264	250544	40.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	874993	87.48	ng	0.01
7) Phenol-d6	6.38	99	1044966	77.56	ng	0.01
23) Nitrobenzene-d5	7.31	82	676394	58.68	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	182590	79.24	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	952808	66.31	ng	0.00
78) Terphenyl-d14	12.84	244	695546	41.70	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.50	163	89850	5.12	ng	98
70) Phenanthrene	11.28	178	76834	4.04	ng	99
74) Fluoranthene	12.47	202	172547	9.06	ng	95
77) Pyrene	12.69	202	157088	5.84	ng	99
80) Benzo(a)anthracene	13.88	228	74554	3.91	ng	95
82) Chrysene	13.92	228	84688m	4.16	ng	
83) Bis(2-ethylhexyl)phthalate	13.88	149	43030	3.30	ng	98
85) Indeno(1,2,3-cd)pyrene	16.60	276	36979	2.12	ng	# 89
87) Benzo(b)fluoranthene	14.90	252	105291m	6.99	ng	
88) Benzo(k)fluoranthene	14.91	252	30296m	2.14	ng	
89) Benzo(a)pyrene	15.23	252	56122	4.05	ng	# 86
91) Benzo(a,h,i)perylene	17.00	276	38819	2.78	ng	96

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

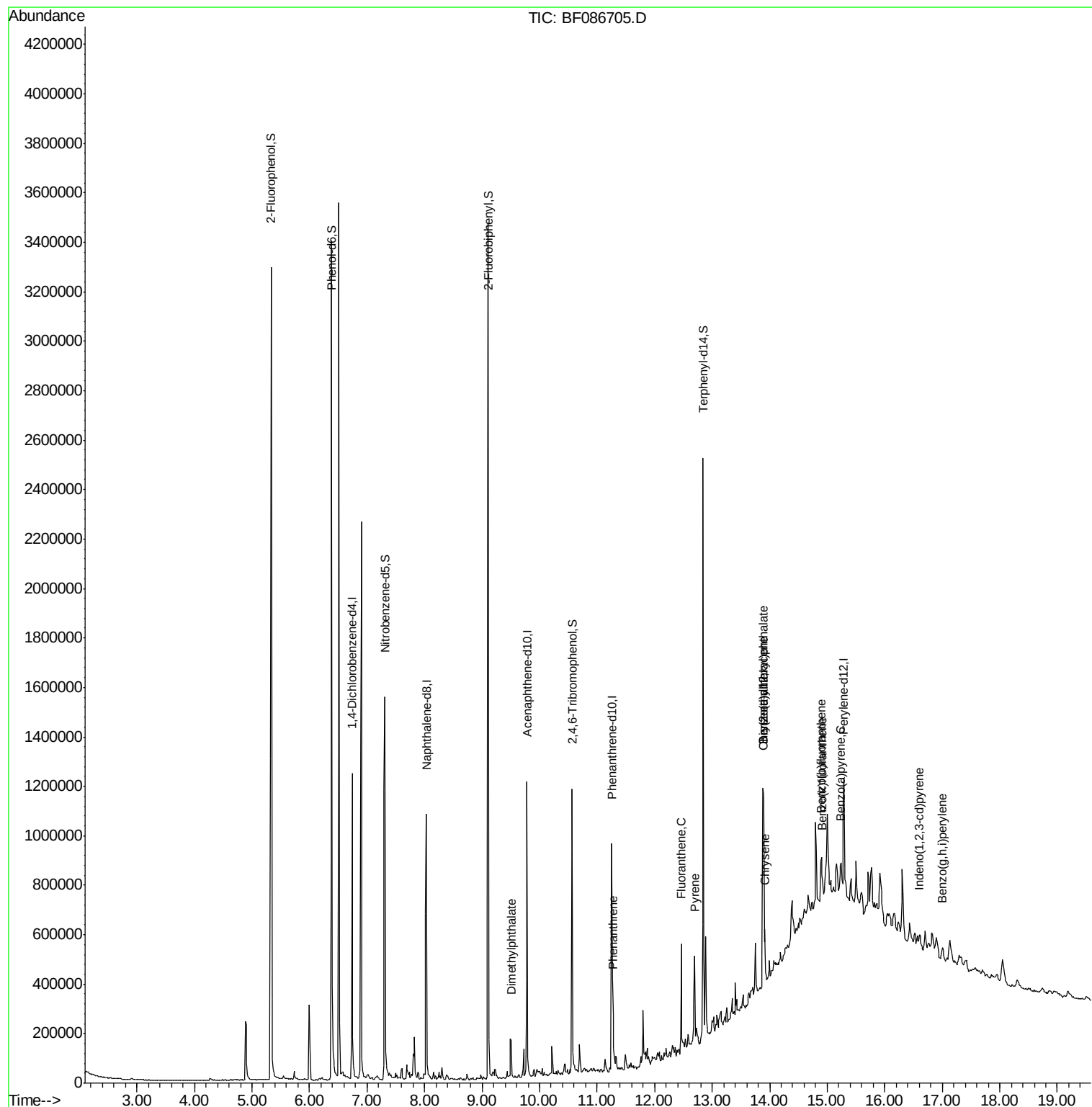
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
Data File : BF086705.D
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ALS Vial : 27 Sample Multiplier: 1

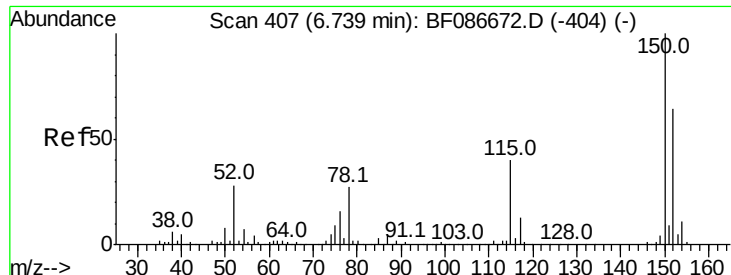
Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B3(0-5)-C

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Quant Time: May 05 07:10:02 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





#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.74 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Instrument :

BNA_F

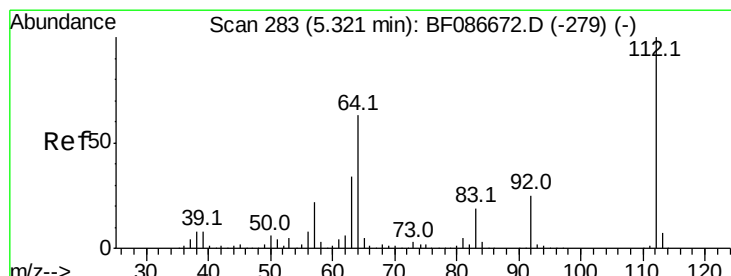
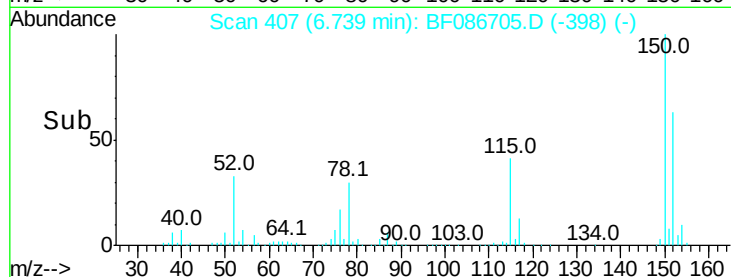
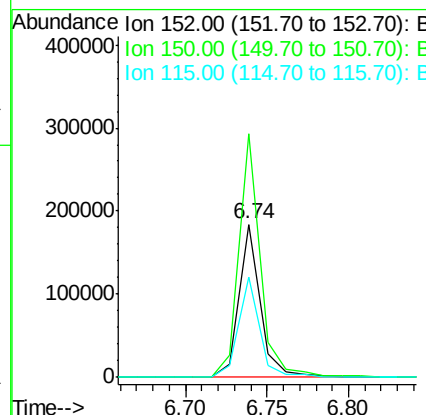
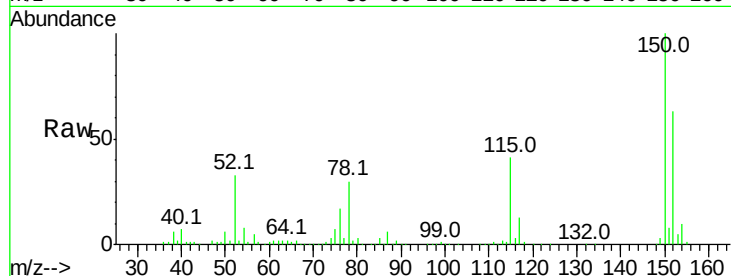
ClientSampleId :

EUT01-TD-B3(0-5)-C

Tot Ion:	152	Resp:	165581
Ion Ratio	Lower	Upper	
152	100		
150	159.0	125.8	188.6
115	65.9	51.5	77.3

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#5

2-Fluorophenol

Concen: 87.48 ng

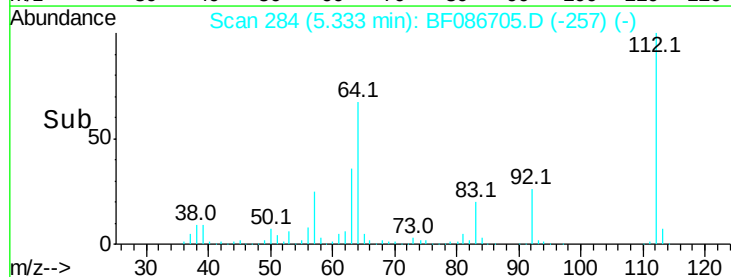
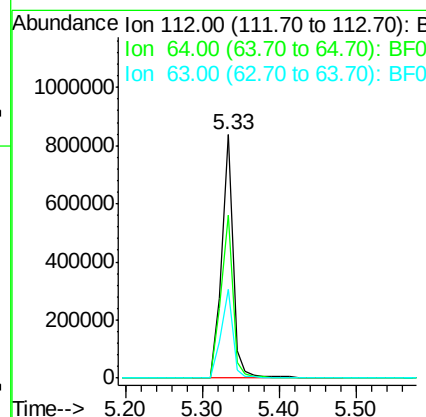
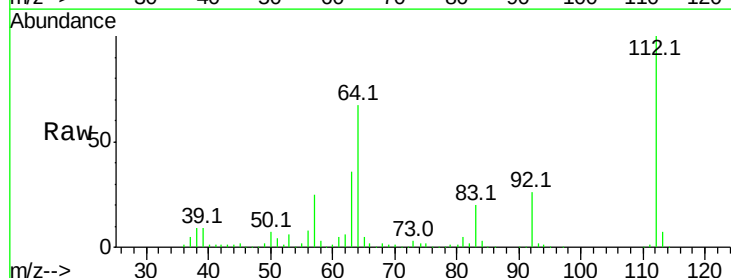
RT: 5.33 min Scan# 284

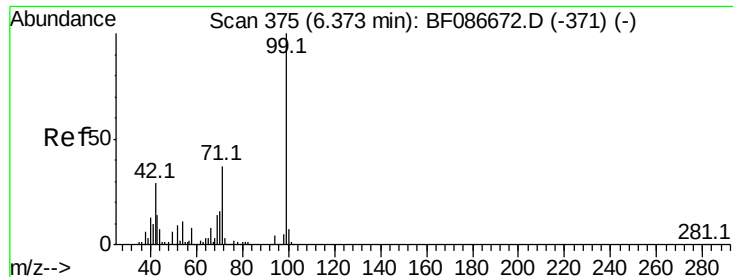
Delta R.T. 0.01 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Tgt Ion:	112	Resp:	874993
Ion Ratio	Lower	Upper	
112	100		
64	67.1	52.1	78.1
63	36.3	25.7	38.5





#7

Phenol-d6

Concen: 77.56 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B3(0-5)-C

Tot Ion: 99 Resp: 1044966

Ion Ratio Lower Upper

99 100

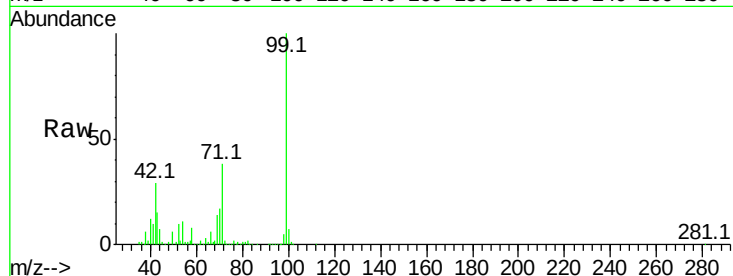
42 29.3 13.6 20.4#

71 37.6 24.6 36.8#

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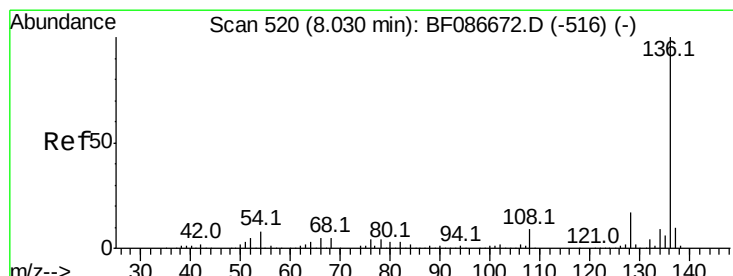
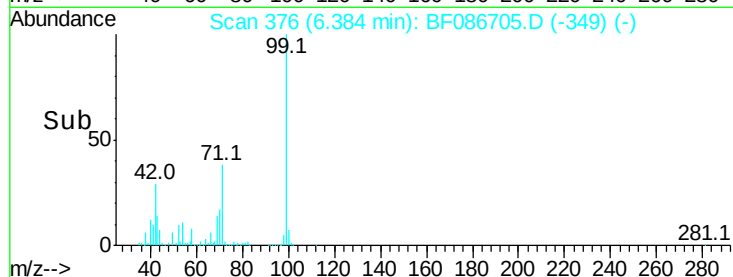
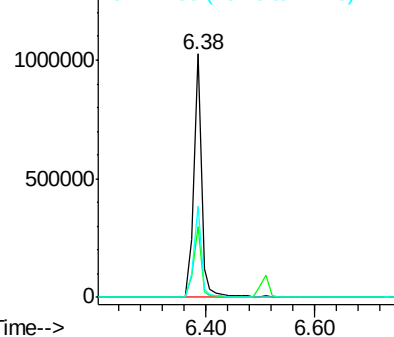
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.03 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Tgt Ion: 136 Resp: 592364

Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 8.4 5.0 7.4#

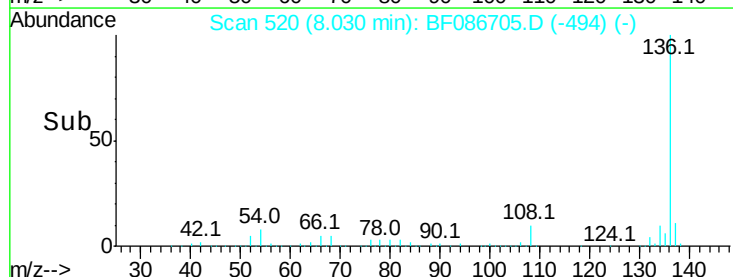
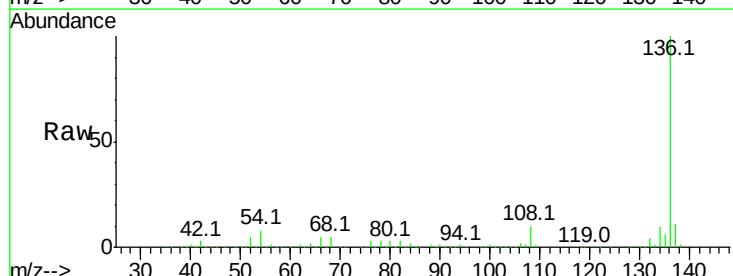
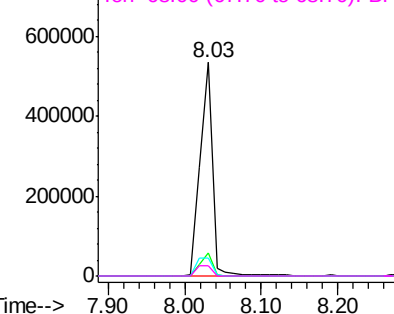
68 5.1 4.4 6.6

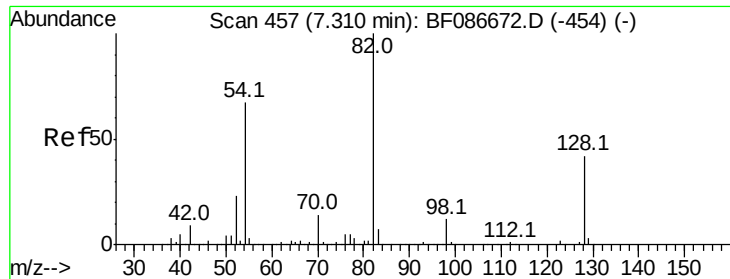
Abundance Ion 136.00 (135.70 to 136.70): E

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





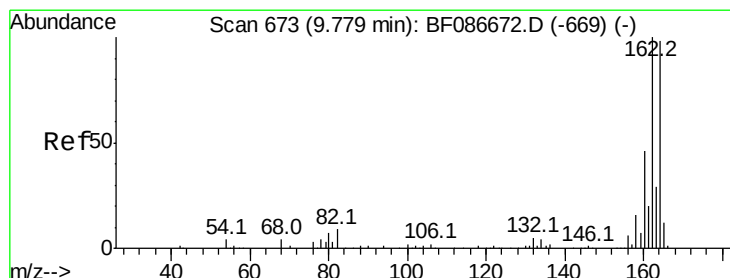
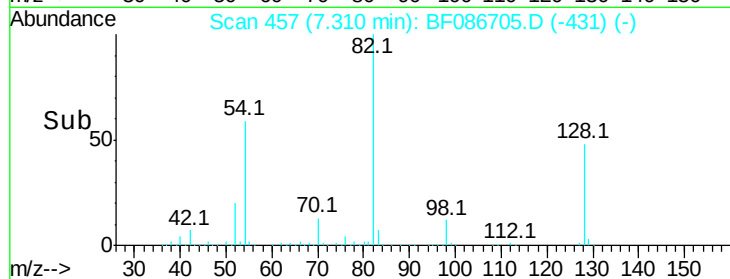
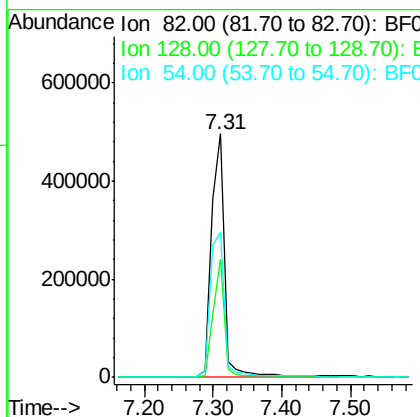
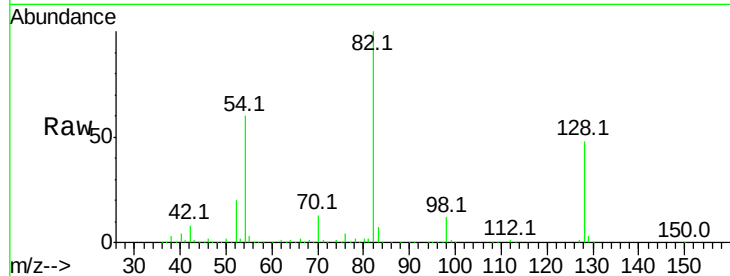
#23
 Nitrobenzene-d5
 Concen: 58.68 ng
 RT: 7.31 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: BF086705.D
 Acq: 5 May 2016 4:44

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B3(0-5)-C

Tot Ion	Ratio	Resp	Lower	Upper
82	100	676394		
128	48.4	40.6	61.0	
54	59.5	38.1	57.1#	

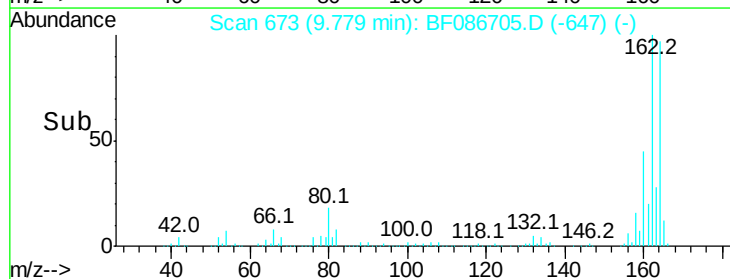
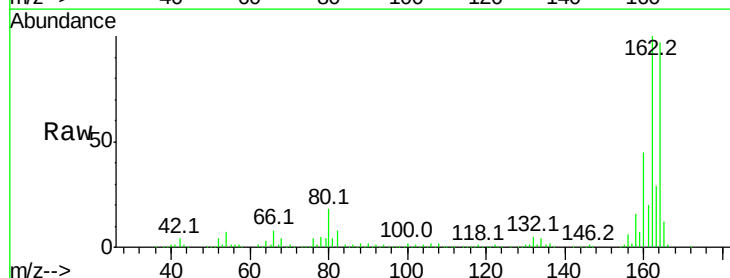
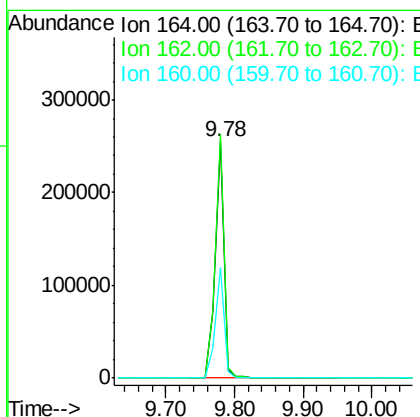
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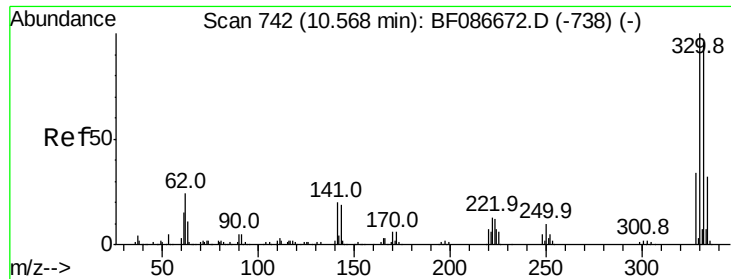
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#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: BF086705.D
 Acq: 5 May 2016 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	235545		
162	103.0	82.8	124.2	
160	46.5	36.9	55.3	





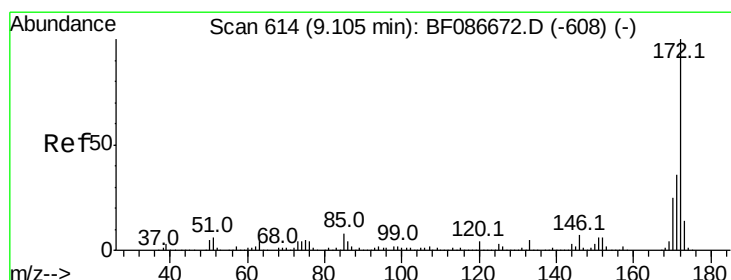
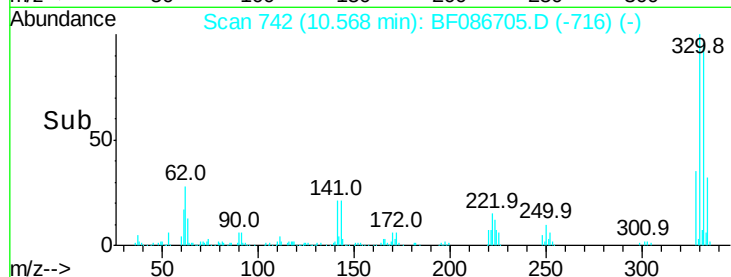
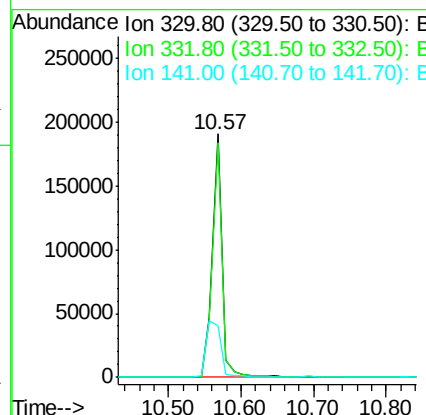
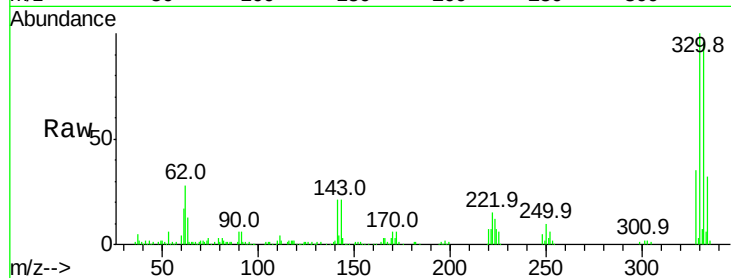
#41
 2,4,6-Tribromophenol
 Concen: 79.24 ng
 RT: 10.57 min Scan# 742
 Delta R.T. 0.00 min
 Lab File: BF086705.D
 Acq: 5 May 2016 4:44

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B3(0-5)-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	182590		
332	95.6	79.0	118.4	
141	34.3	31.2	46.8	

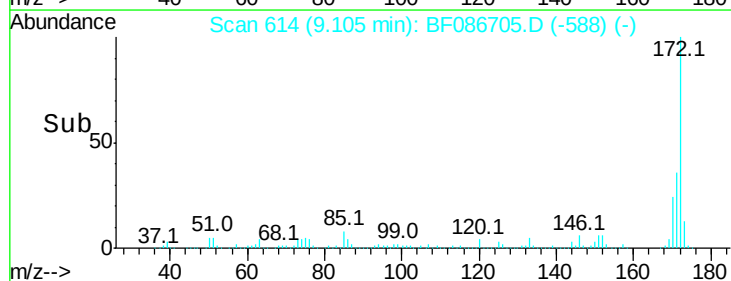
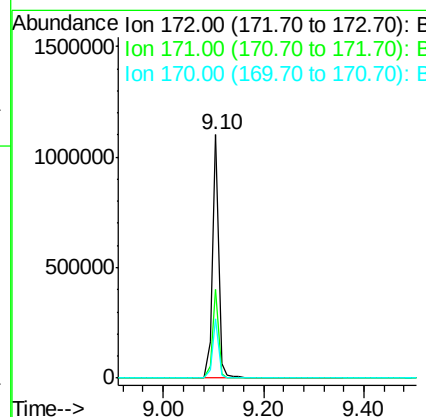
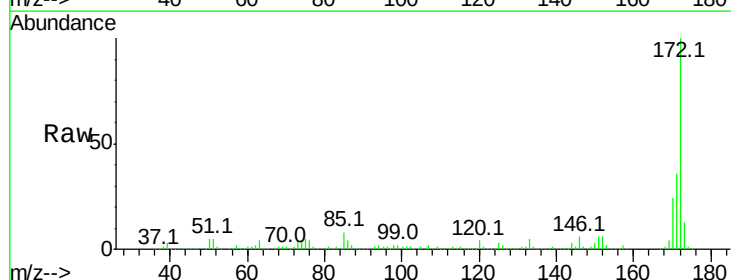
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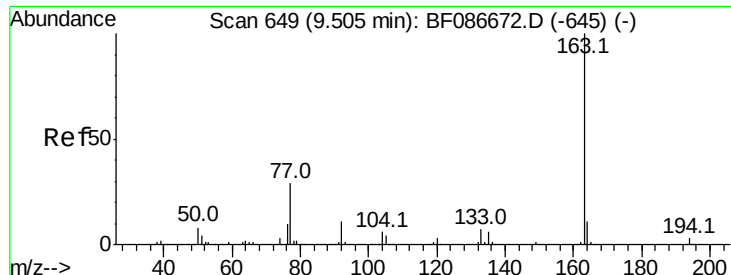
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#44
 2-Fluorobiphenyl
 Concen: 66.31 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF086705.D
 Acq: 5 May 2016 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	952808		
171	36.3	29.0	43.6	
170	24.4	19.8	29.8	





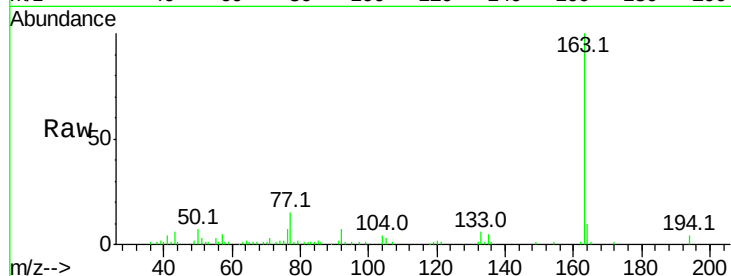
#49
Dimethylphthalate
Concen: 5.12 ng
RT: 9.50 min Scan# 649
Delta R.T. 0.00 min
Lab File: BF086705.D
Acq: 5 May 2016 4:44

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B3(0-5)-C

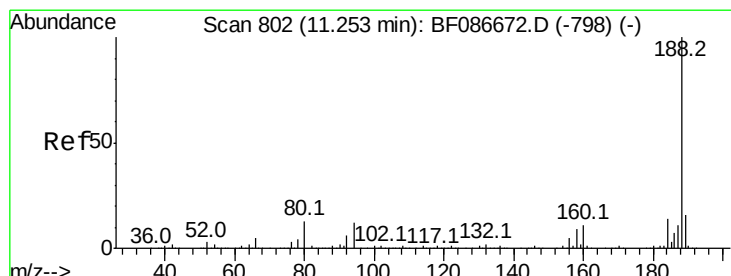
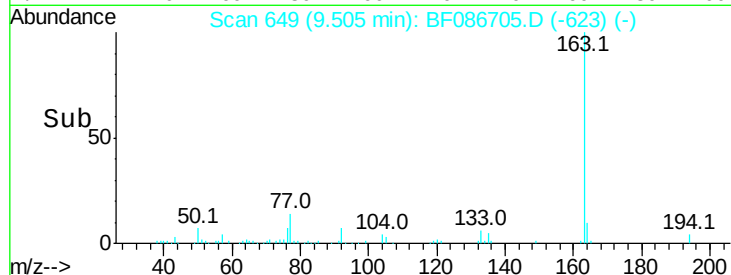
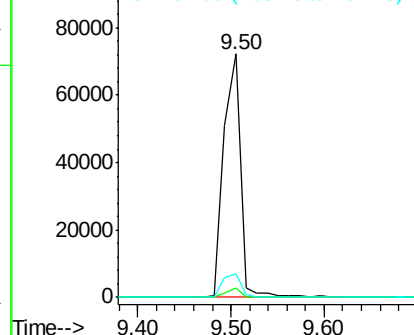
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.7	2.6	4.0	
164	9.7	8.2	12.4	

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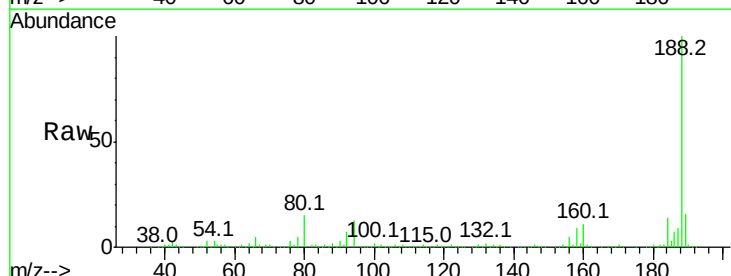


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

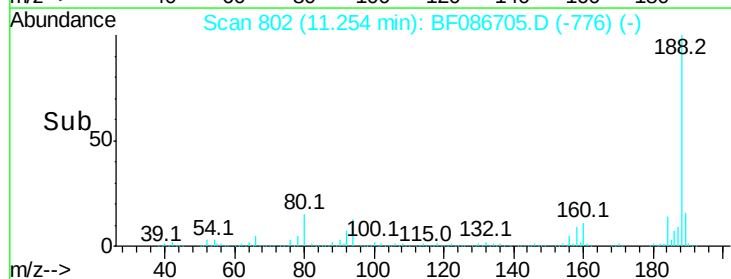
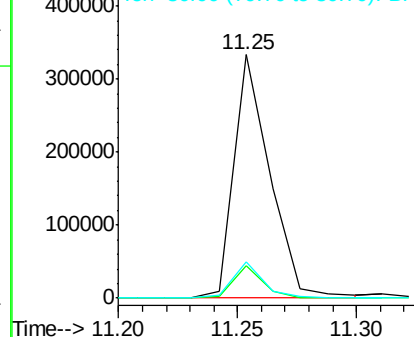


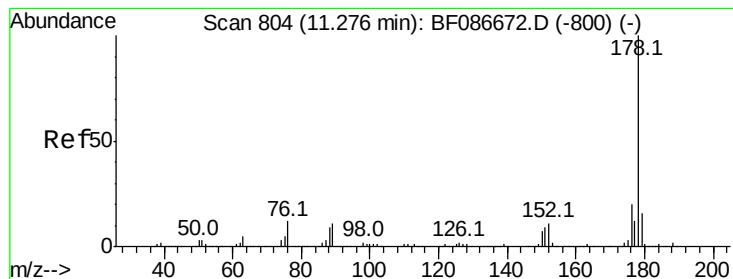
#63
Phenanthrene-d10
Concen: 40.00 ng m
RT: 11.25 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF086705.D
Acq: 5 May 2016 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	13.1	6.8	10.2#	
80	14.7	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: 4.04 ng

RT: 11.28 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Instrument :

BNA_F

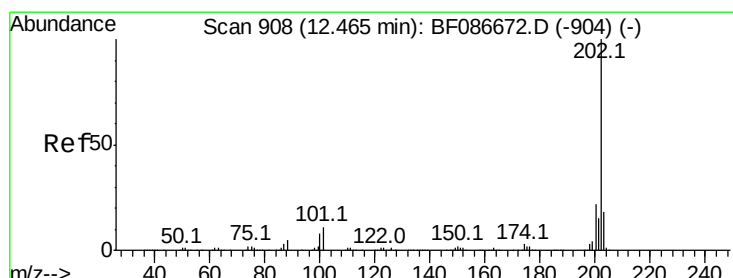
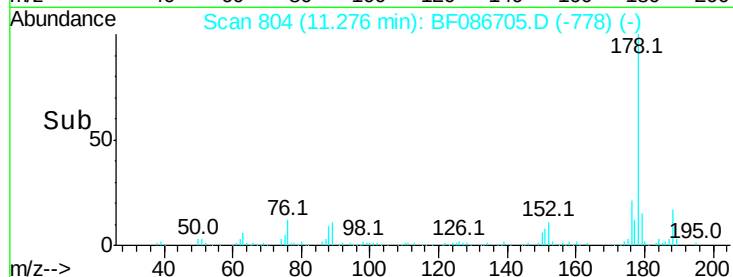
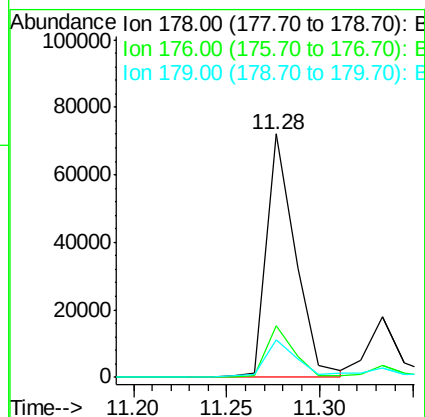
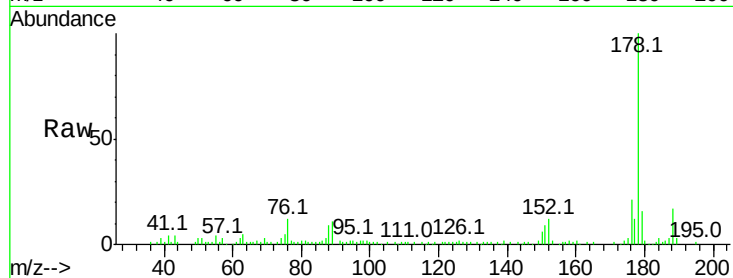
ClientSampleId :

EUT01-TD-B3(0-5)-C

Tot Ion:	178	Resp:	76834
Ion Ratio	Lower	Upper	
178	100		
176	21.0	16.0	24.0
179	15.5	12.6	18.8

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#74

Fluoranthene

Concen: 9.06 ng

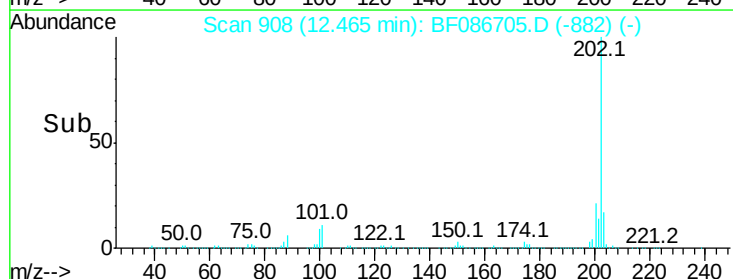
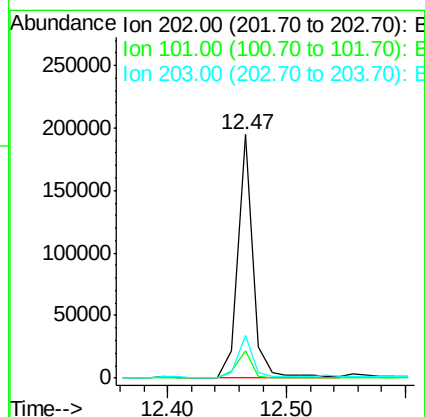
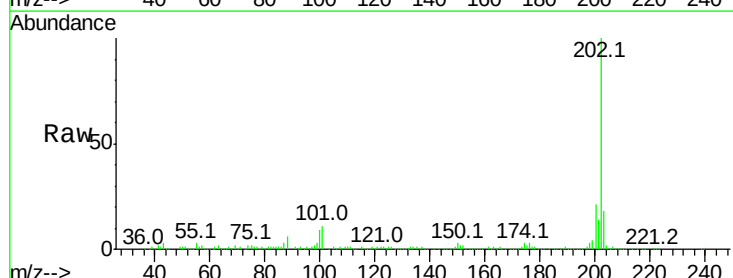
RT: 12.47 min Scan# 908

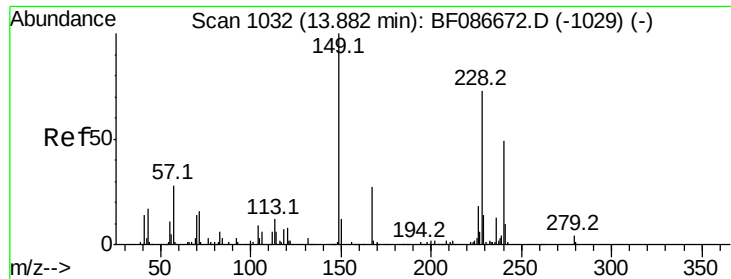
Delta R.T. 0.00 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Tgt Ion:	202	Resp:	172547
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	35.4
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Instrument :

BNA_F

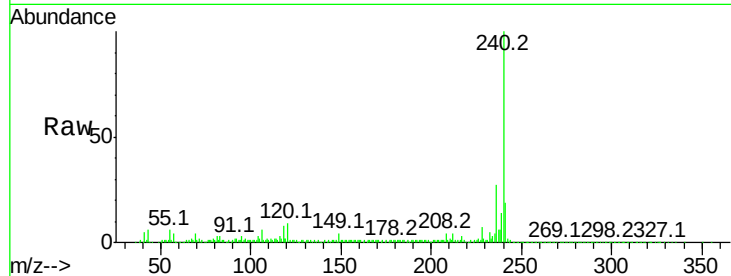
ClientSampleId :

EUT01-TD-B3(0-5)-C

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.1	11.2	16.8#
236	26.8	21.2	31.8

Manual Integrations
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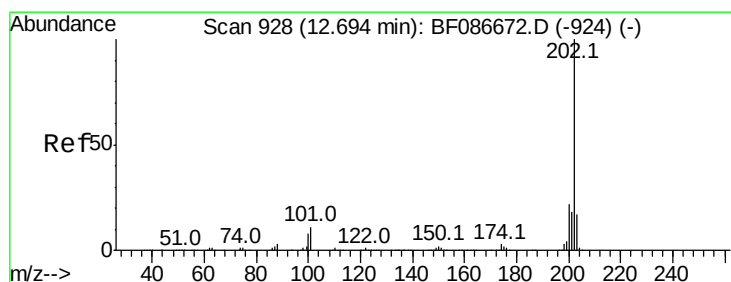
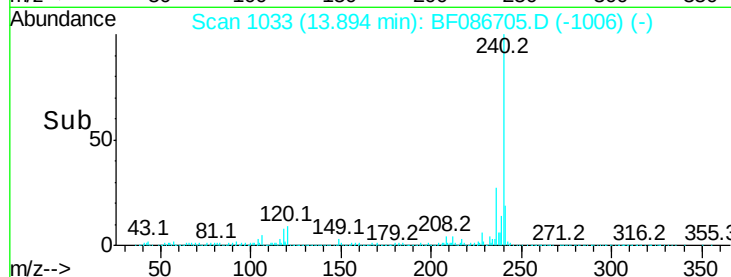
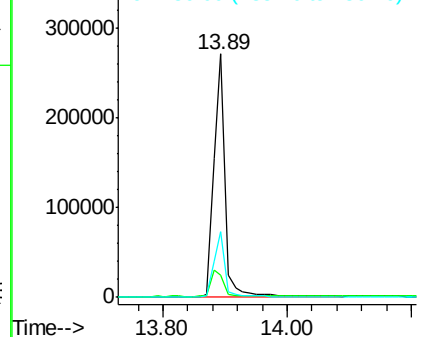
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.84 ng

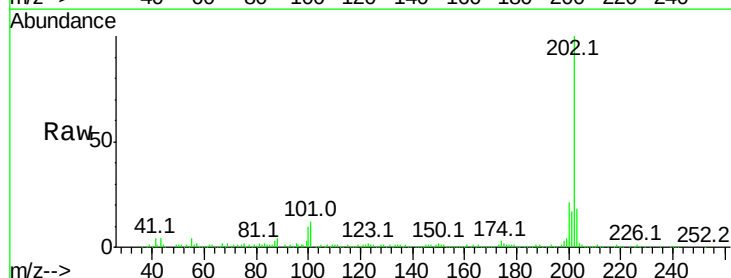
RT: 12.69 min Scan# 928

Delta R.T. 0.00 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

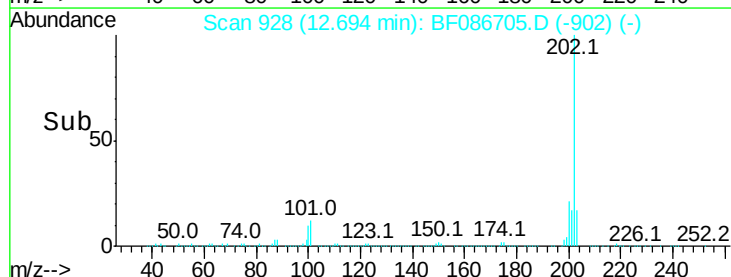
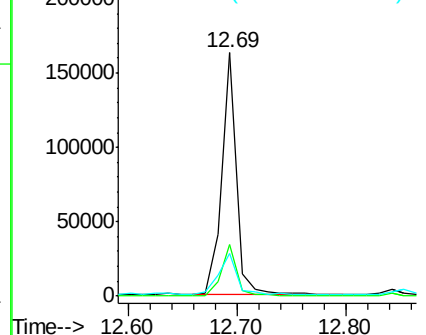
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	17.7	14.2	21.4

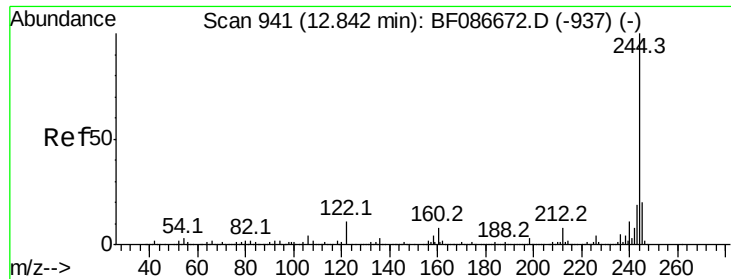


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 41.70 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Instrument :

BNA_F

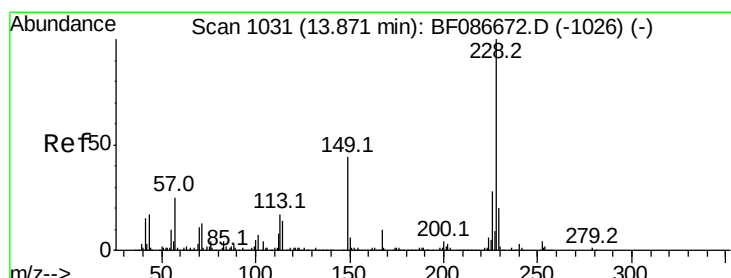
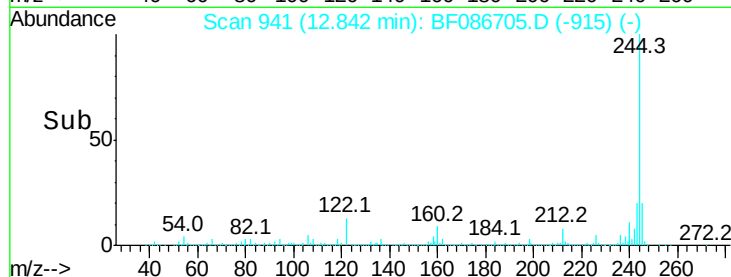
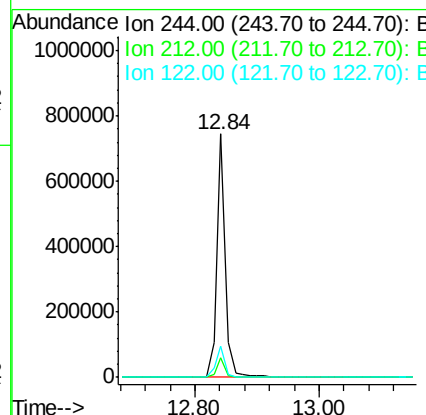
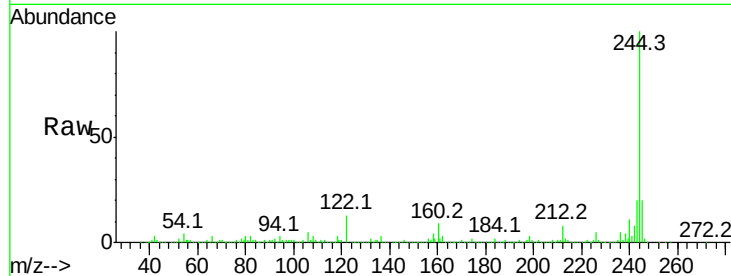
ClientSampleId :

EUT01-TD-B3(0-5)-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	13.0	12.0	18.0

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#80

Benzo(a)anthracene

Concen: 3.91 ng

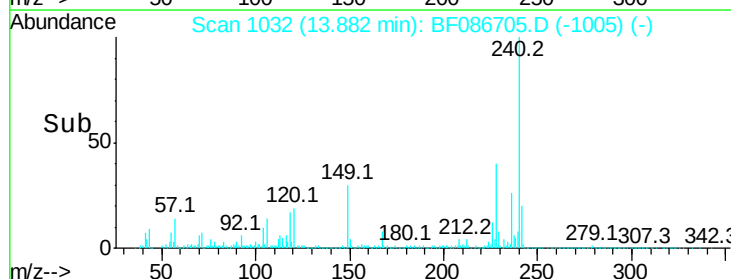
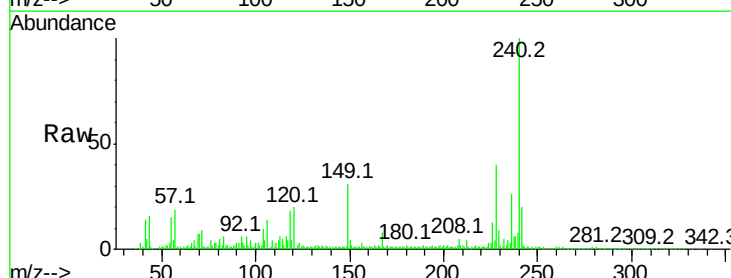
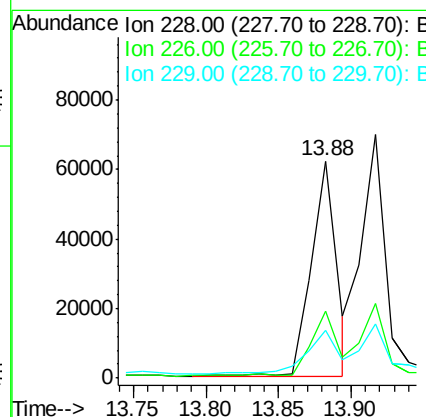
RT: 13.88 min Scan# 1032

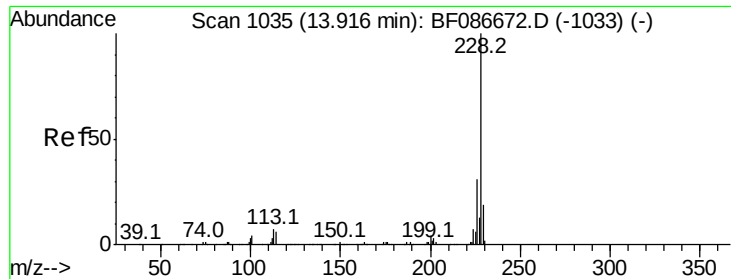
Delta R.T. 0.01 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.5	33.7
229	22.3	16.6	25.0





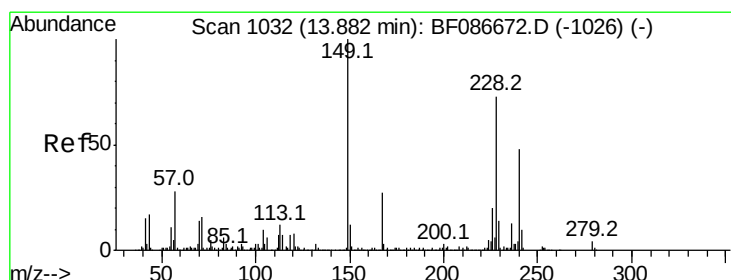
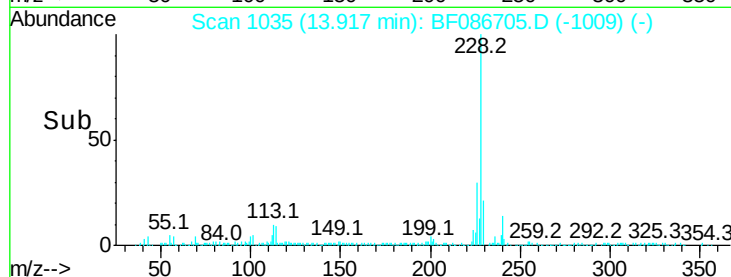
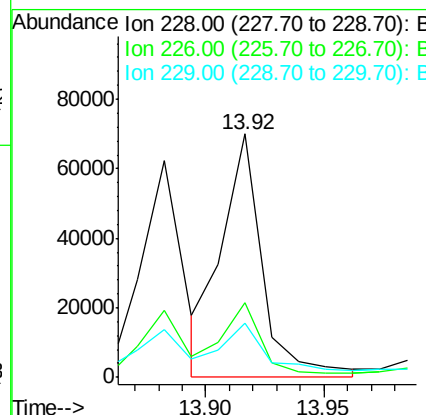
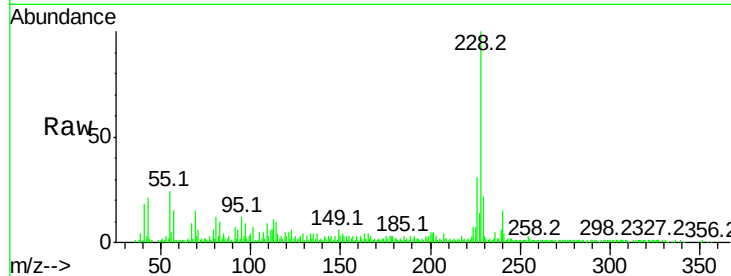
#82
 Chrysene
 Concen: 4.16 ng m
 RT: 13.92 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF086705.D
 Acq: 5 May 2016 4:44

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B3(0-5)-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	22.4	15.8	23.8

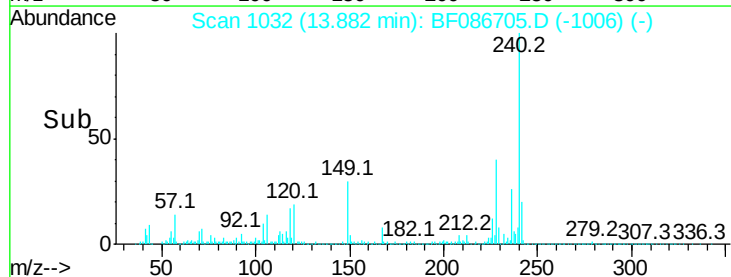
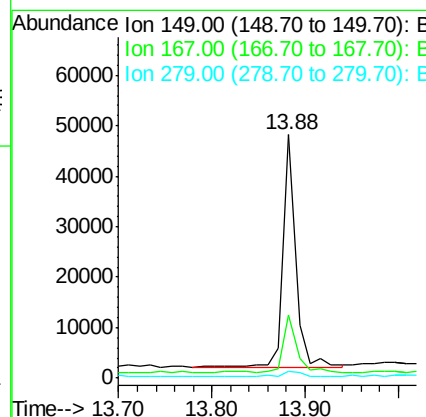
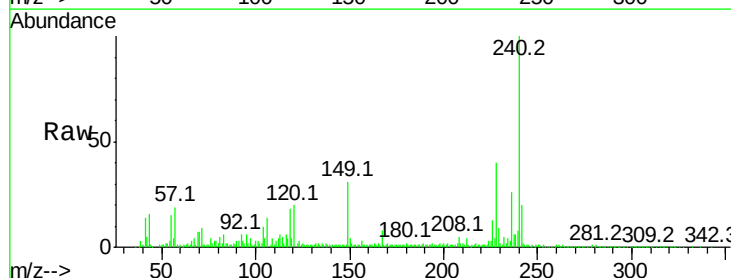
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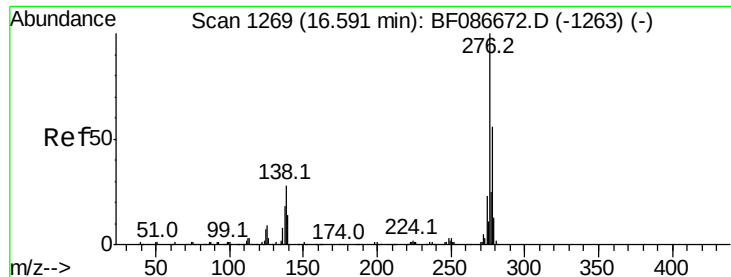
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.30 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF086705.D
 Acq: 5 May 2016 4:44

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.8	32.6
279	3.0	2.6	4.0





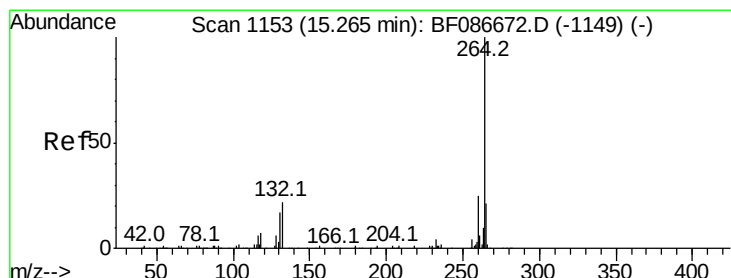
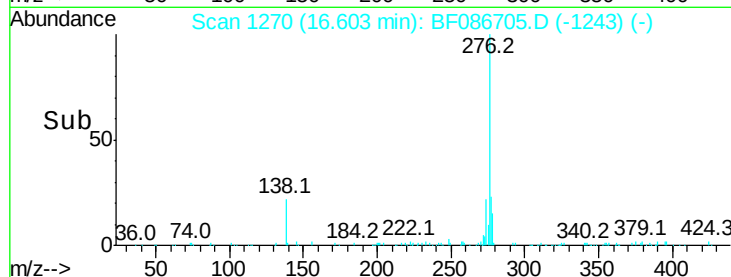
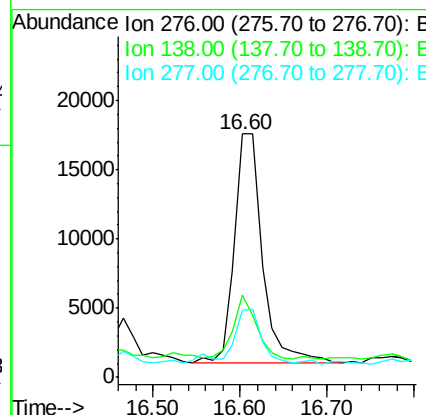
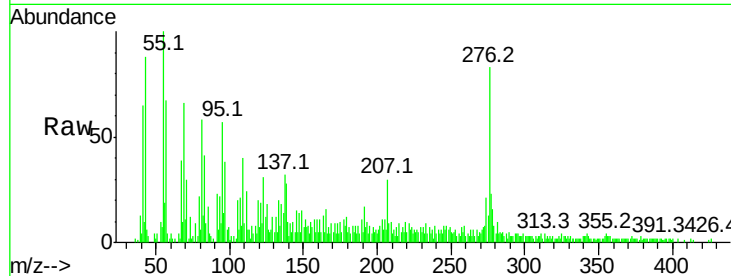
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.12 ng
RT: 16.60 min Scan# 1270
Delta R.T. 0.01 min
Lab File: BF086705.D
Acq: 5 May 2016 4:44

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B3(0-5)-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	25.6	38.4#
277	28.0	20.5	30.7

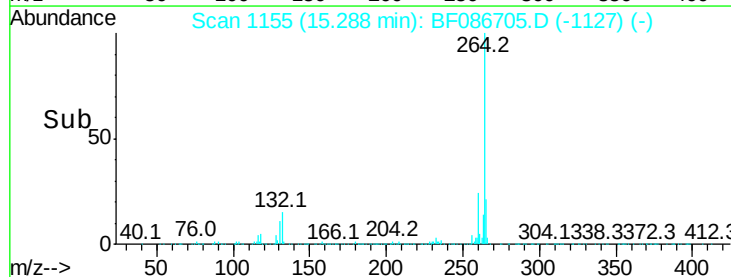
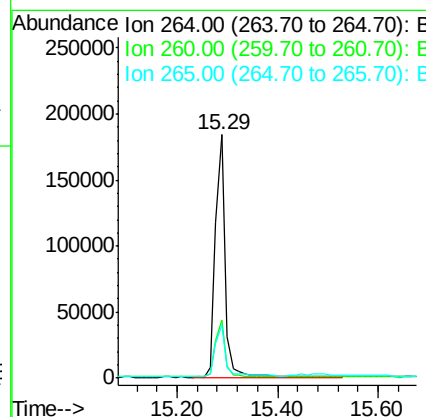
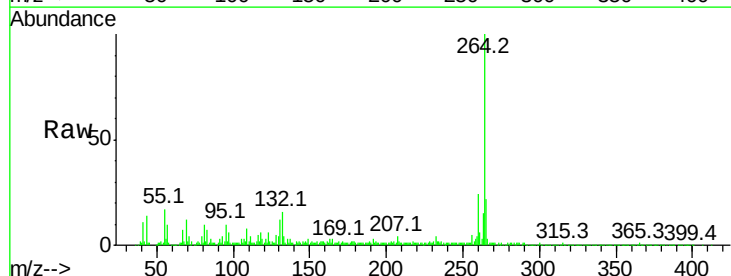
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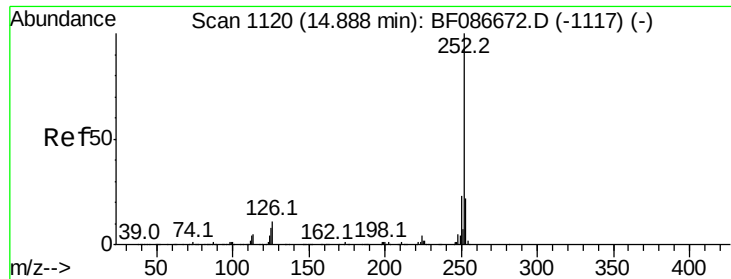
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#86
Perylene-d12
Concen: 40.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. 0.02 min
Lab File: BF086705.D
Acq: 5 May 2016 4:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.9	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 6.99 ng m

RT: 14.90 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Instrument :

BNA_F

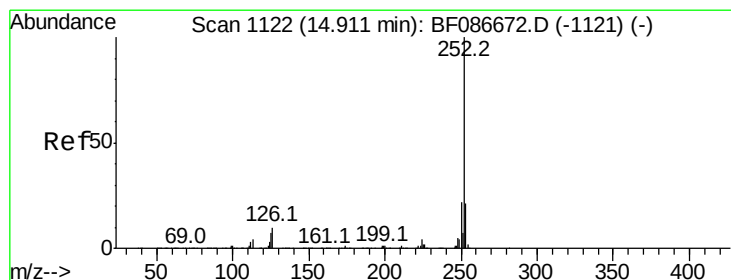
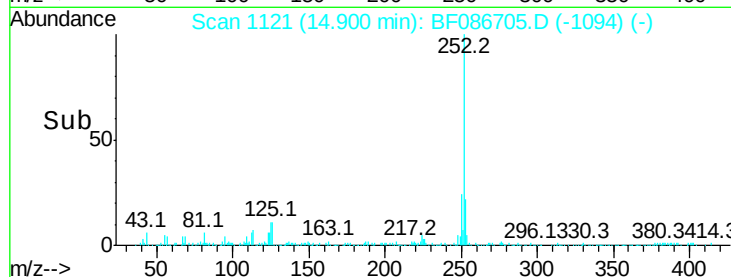
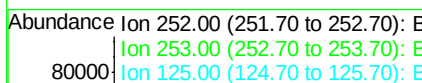
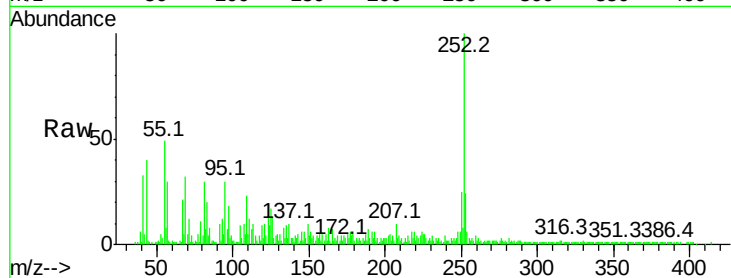
ClientSampleId :

EUT01-TD-B3(0-5)-C

Tot Ion:	252	Resp:	105291
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.8	26.6
125	17.2	11.4	17.0#

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#88

Benzo(k)fluoranthene

Concen: 2.14 ng m

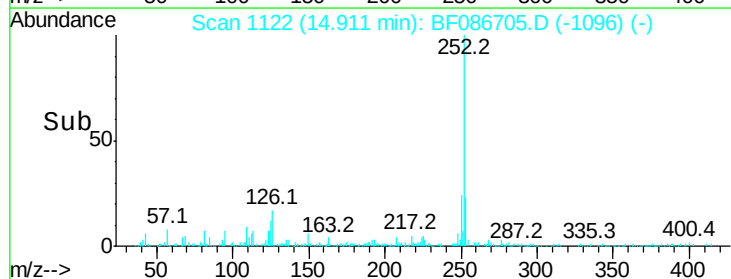
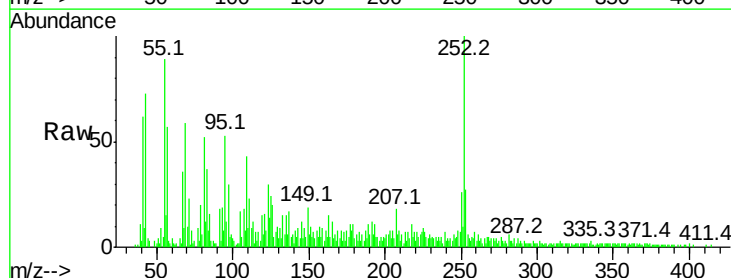
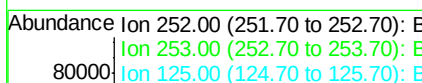
RT: 14.91 min Scan# 1122

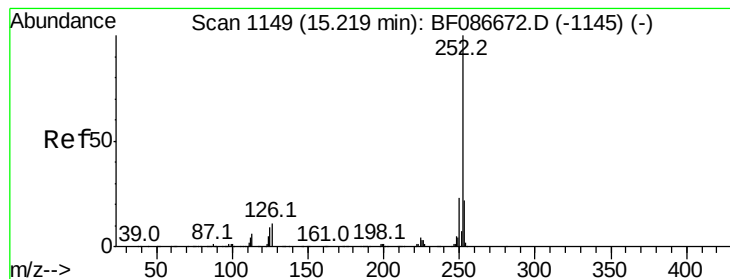
Delta R.T. 0.00 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Tgt Ion:	252	Resp:	30296
Ion Ratio	Lower	Upper	
252	100		
253	27.4	17.8	26.6#
125	24.1	9.1	13.7#





#89

Benzo(a)pyrene

Concen: 4.05 ng

RT: 15.23 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Instrument :

BNA_F

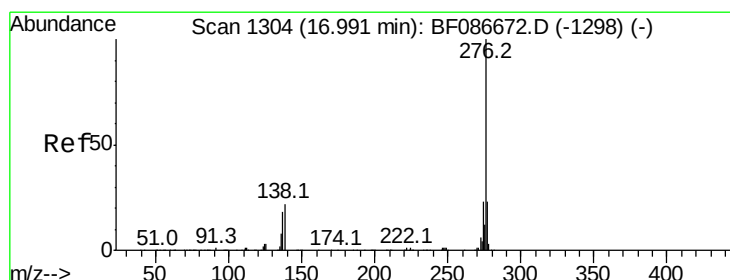
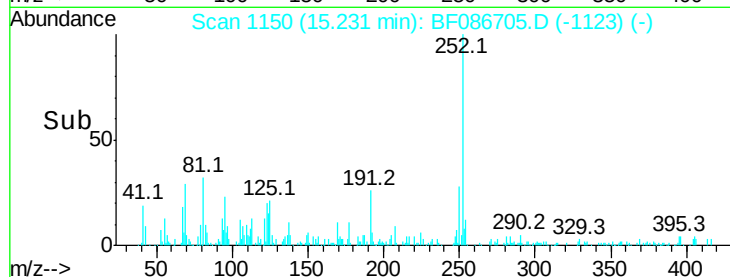
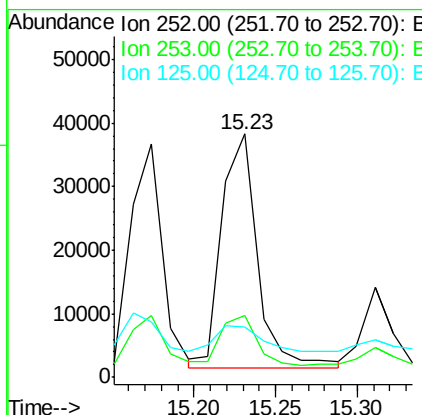
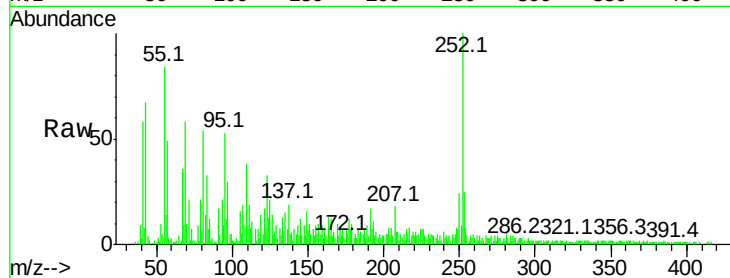
ClientSampleId :

EUT01-TD-B3(0-5)-C

Tot Ion:	252	Resp:	56122
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.2	25.8
125	20.8	9.0	13.6#

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#91

Benzo(g,h,i)perylene

Concen: 2.78 ng

RT: 17.00 min Scan# 1305

Delta R.T. 0.01 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Tgt Ion:	276	Resp:	38819
Ion Ratio	Lower	Upper	
276	100		
277	28.0	19.6	29.4
138	30.0	23.6	35.4

