

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
 Data File : BF086704.D
 Acq On : 5 May 2016 4:16
 Operator : UM/SJ
 Sample : H2829-11
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B4(5-12)-C

Manual Integrations
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Quant Time: May 05 13:07:57 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	157109	40.00	ng	0.00
21) Naphthalene-d8	8.03	136	545721	40.00	ng	0.00
38) Acenaphthene-d10	9.78	164	226164	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	345680m	40.00	ng	0.00
75) Chrysene-d12	13.89	240	312643	40.00	ng	0.01
86) Perylene-d12	15.28	264	213642	40.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1056725	111.35	ng	0.01
7) Phenol-d6	6.38	99	1257441	98.36	ng	0.01
23) Nitrobenzene-d5	7.31	82	848335	79.88	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	224796	101.61	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1129574	81.87	ng	0.00
78) Terphenyl-d14	12.84	244	829786	53.64	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.49	163	57161	3.39	ng	98
70) Phenanthrene	11.28	178	79513	4.28	ng	99
74) Fluoranthene	12.47	202	124007	6.66	ng	94
77) Pyrene	12.69	202	128404	5.15	ng	98
80) Benzo(a)anthracene	13.88	228	51300	2.90	ng	94
82) Chrysene	13.92	228	48571m	2.57	ng	
87) Benzo(b)fluoranthene	14.89	252	54352m	4.23	ng	
89) Benzo(a)pyrene	15.22	252	34270	2.90	ng	# 79
91) Benzo(g,h,i)perylene	17.00	276	25824	2.17	ng	96

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

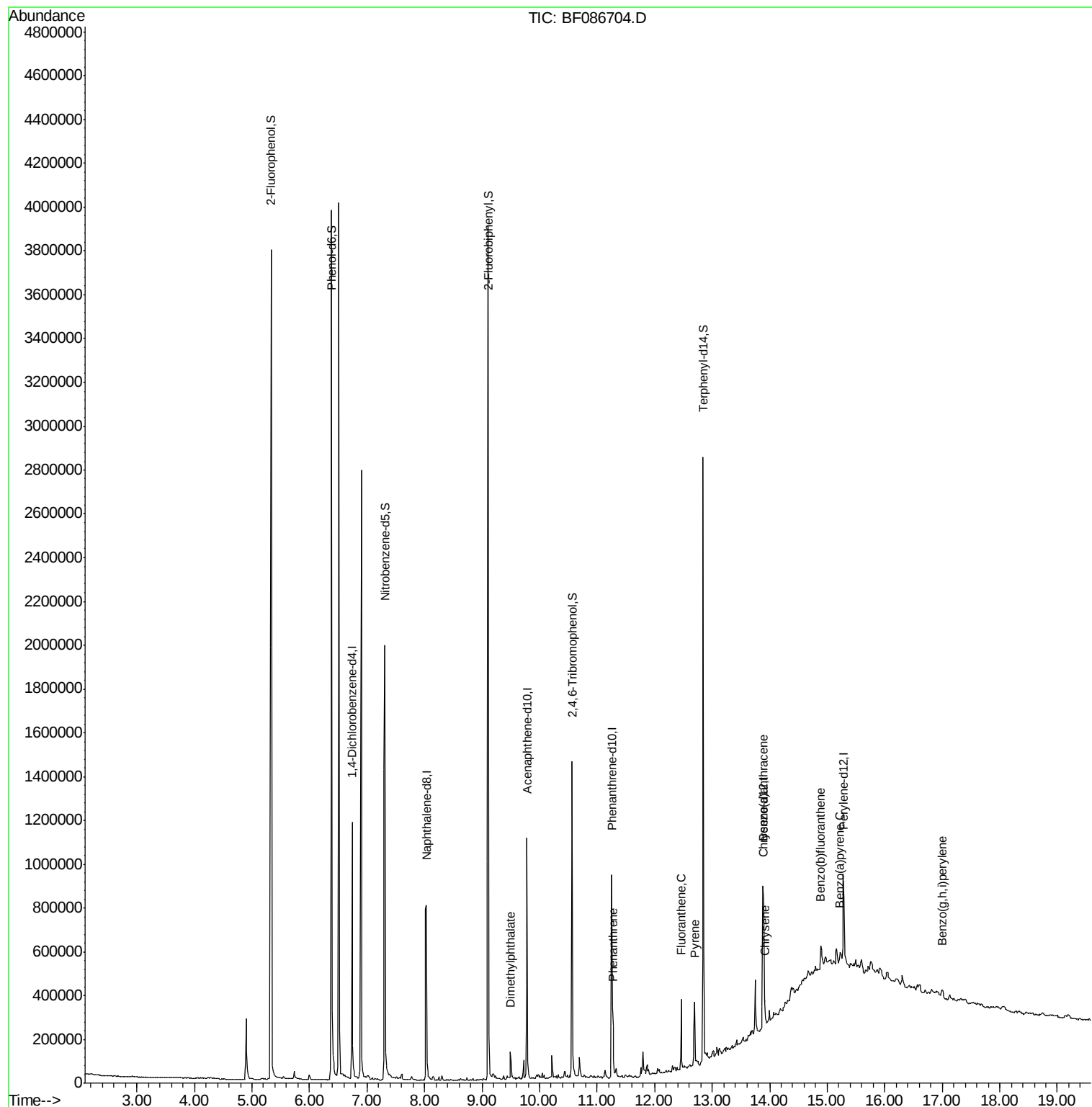
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
Data File : BF086704.D
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Sample : H2829-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

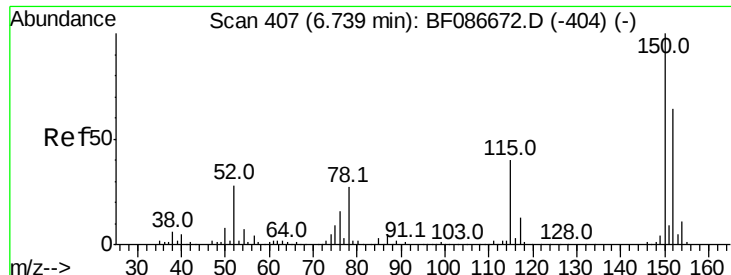
Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B4(5-12)-C

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Quant Time: May 05 13:07:57 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: BF086704.D

Acq: 5 May 2016 4:16

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B4(5-12)-C

Tot Ion:152 Resp: 157109

Ion Ratio Lower Upper

152 100

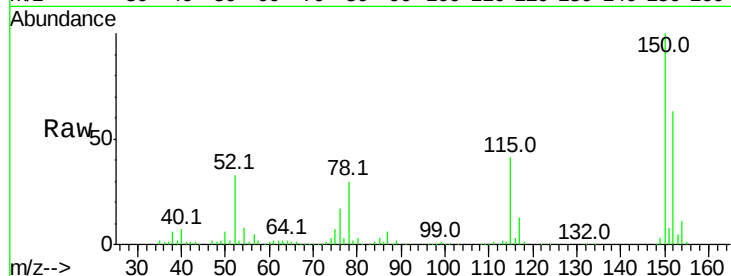
150 157.6 125.8 188.6

115 64.8 51.5 77.3

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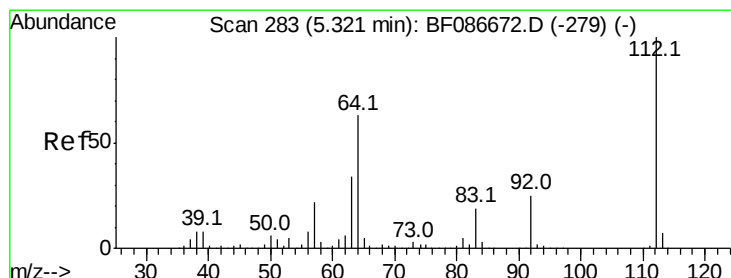
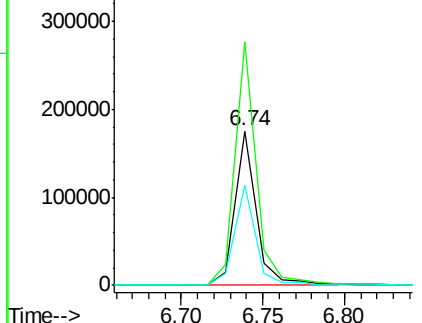
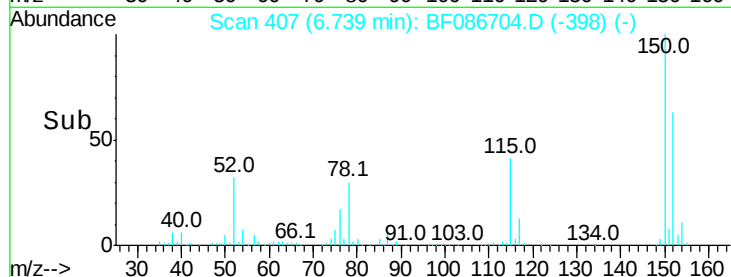
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 111.35 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: BF086704.D

Acq: 5 May 2016 4:16

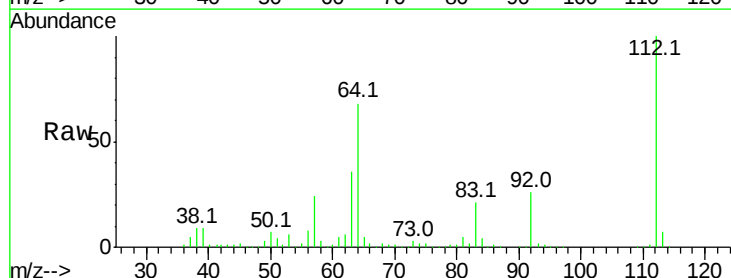
Tgt Ion:112 Resp: 1056725

Ion Ratio Lower Upper

112 100

64 67.6 52.1 78.1

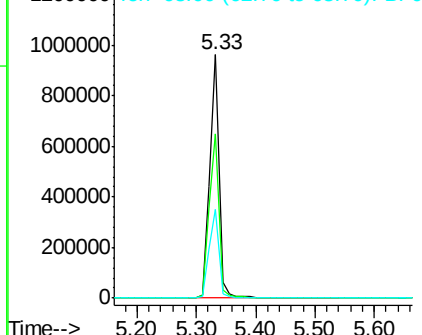
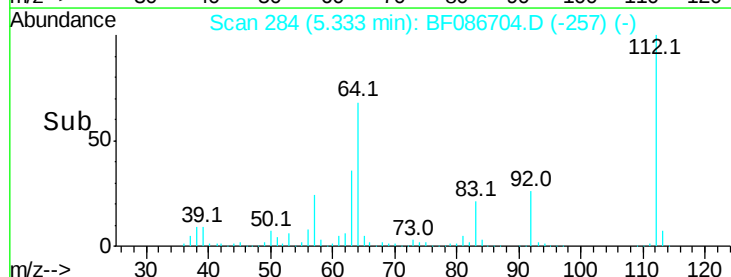
63 36.3 25.7 38.5

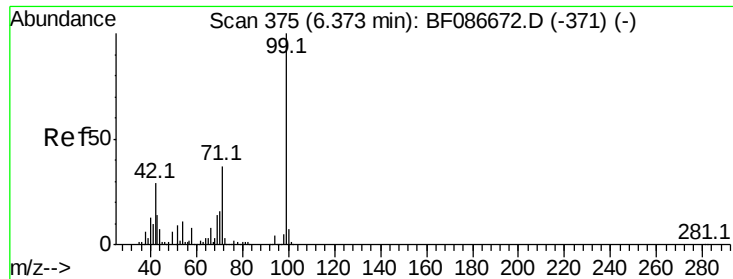


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.36 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086704.D

Acq: 5 May 2016 4:16

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B4(5-12)-C

Tot Ion: 99 Resp: 1257441

Ion Ratio Lower Upper

99 100

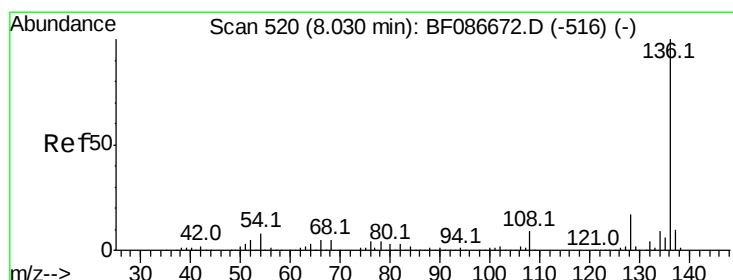
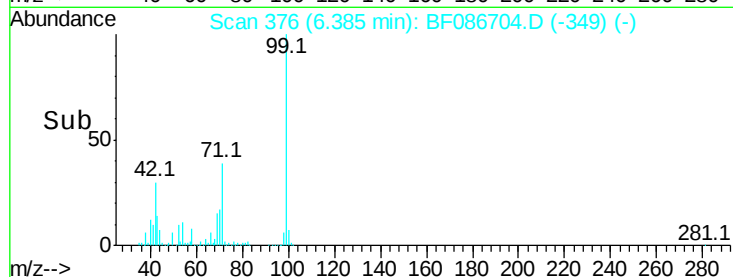
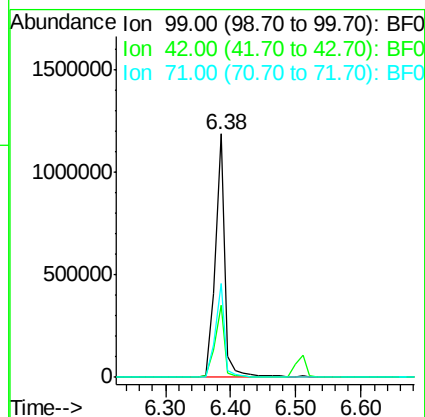
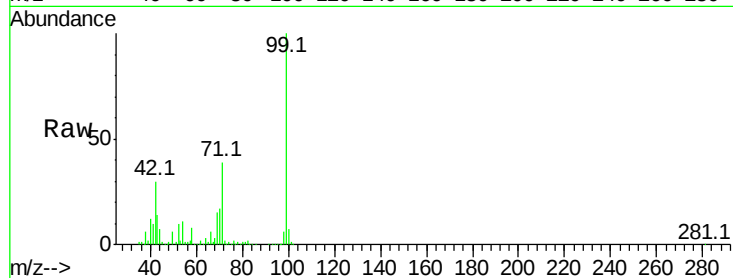
42 29.6 13.6 20.4#

71 38.6 24.6 36.8#

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#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.03 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF086704.D

Acq: 5 May 2016 4:16

Tgt Ion: 136 Resp: 545721

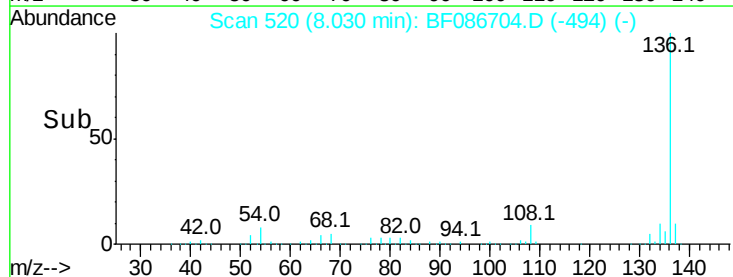
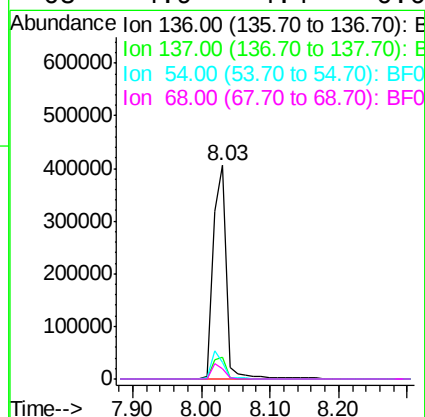
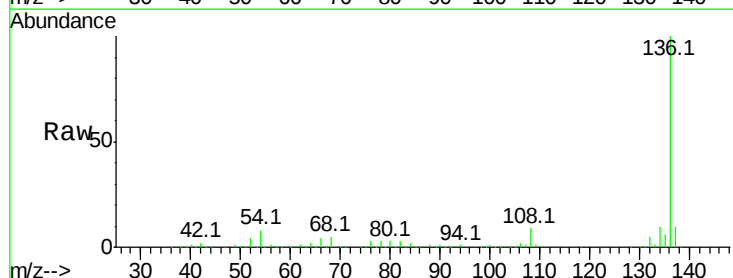
Ion Ratio Lower Upper

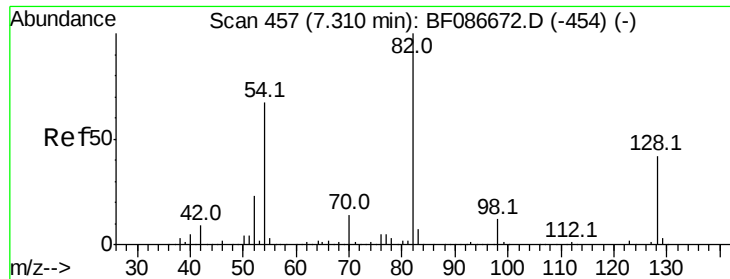
136 100

137 10.4 8.8 13.2

54 8.0 5.0 7.4#

68 4.9 4.4 6.6





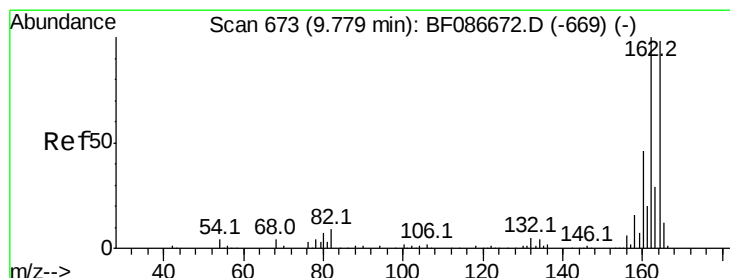
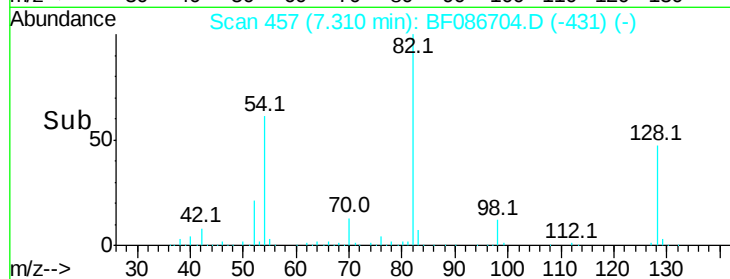
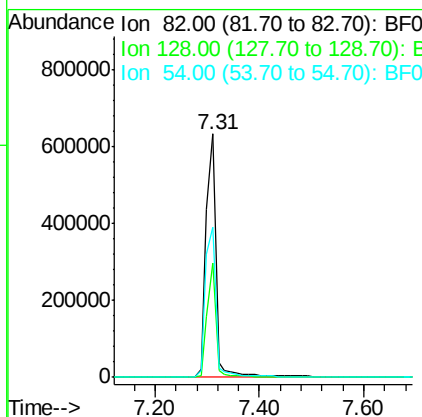
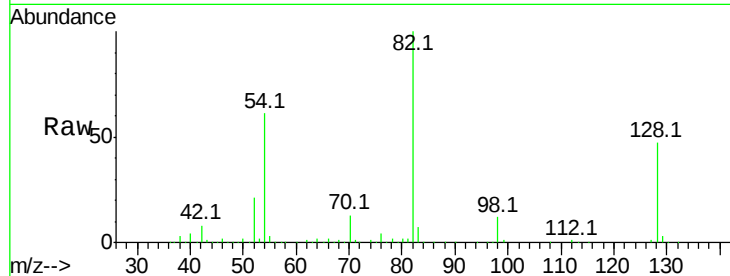
#23
Nitrobenzene-d5
Concen: 79.88 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF086704.D
Acq: 5 May 2016 4:16

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B4(5-12)-C

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.0	40.6	61.0	
54	61.5	38.1	57.1	

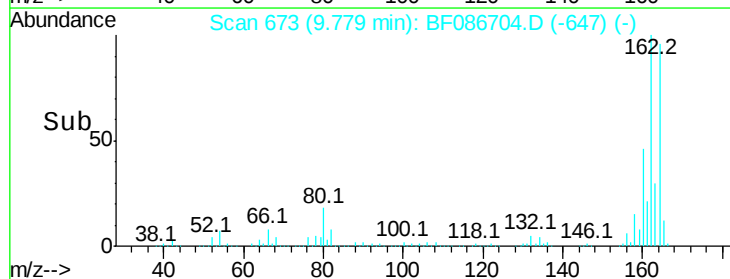
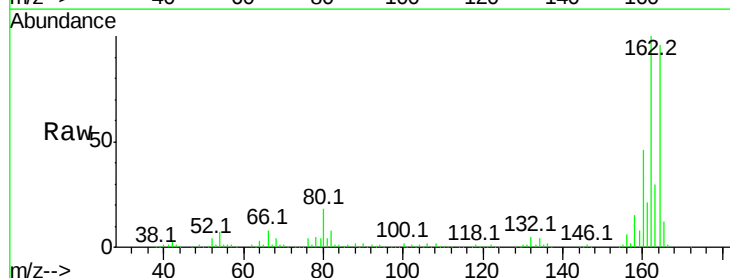
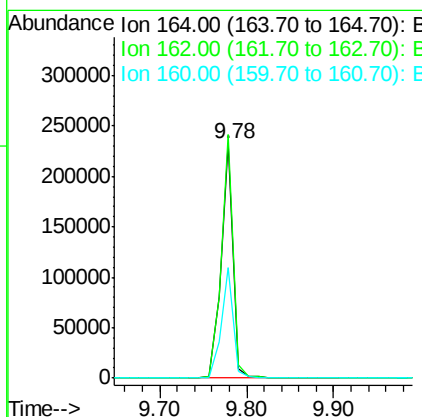
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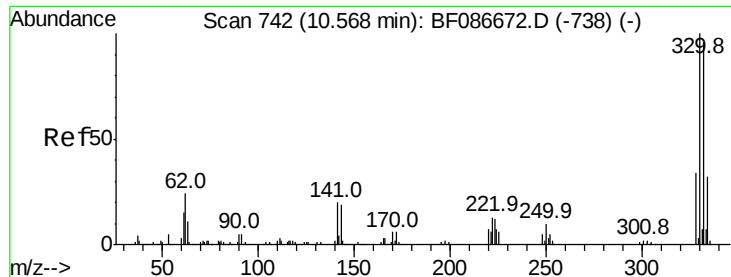
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#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.78 min Scan# 673
Delta R.T. 0.00 min
Lab File: BF086704.D
Acq: 5 May 2016 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.0	82.8	124.2	
160	47.4	36.9	55.3	





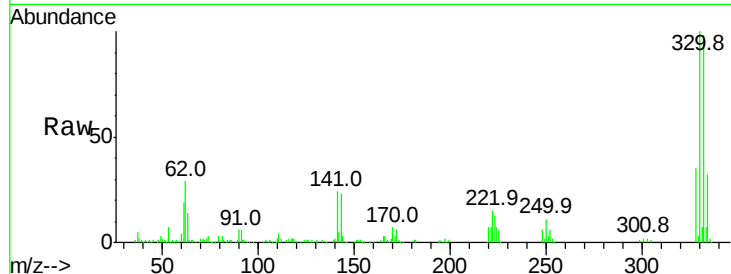
#41
 2,4,6-Tribromophenol
 Concen: 101.61 ng
 RT: 10.57 min Scan# 742
 Delta R.T. 0.00 min
 Lab File: BF086704.D
 Acq: 5 May 2016 4:16

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B4(5-12)-C

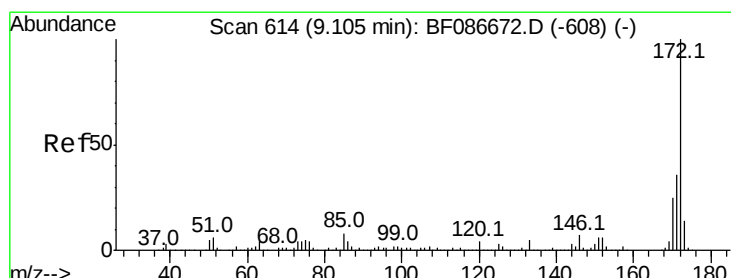
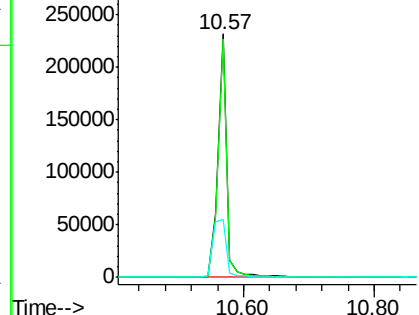
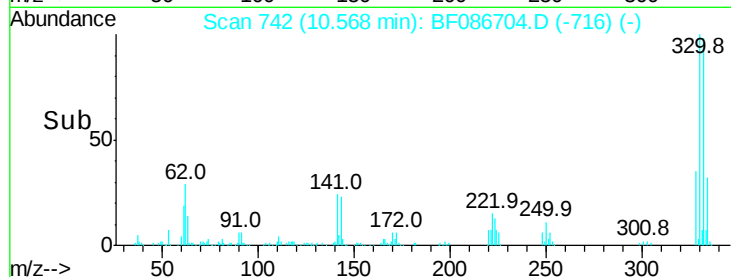
Tot Ion	Ratio	Resp	Lower	Upper
330	100	224796		
332	97.6	79.0	118.4	
141	36.5	31.2	46.8	

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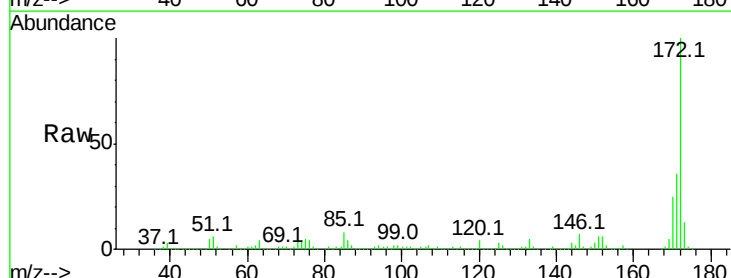


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

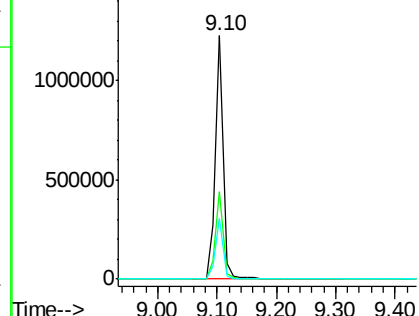
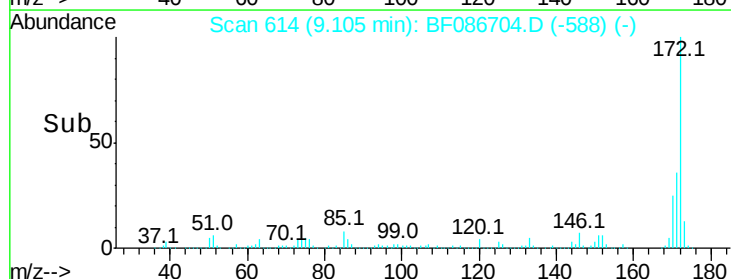


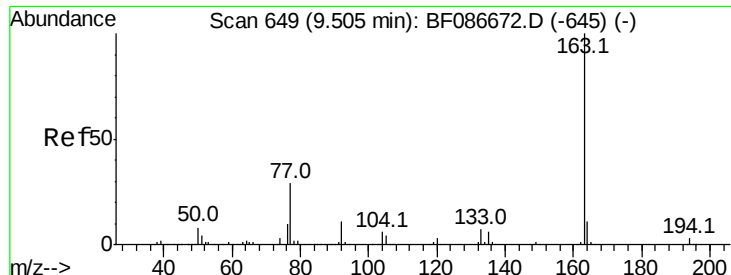
#44
 2-Fluorobiphenyl
 Concen: 81.87 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF086704.D
 Acq: 5 May 2016 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1129574		
171	36.1	29.0	43.6	
170	24.7	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





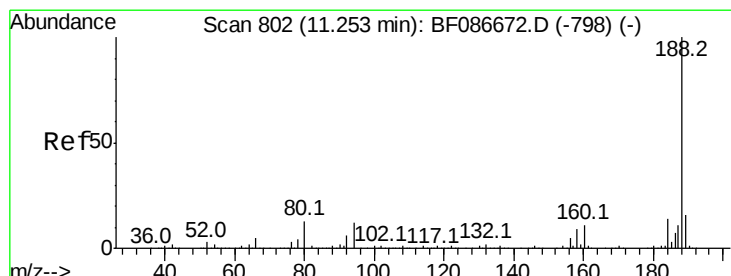
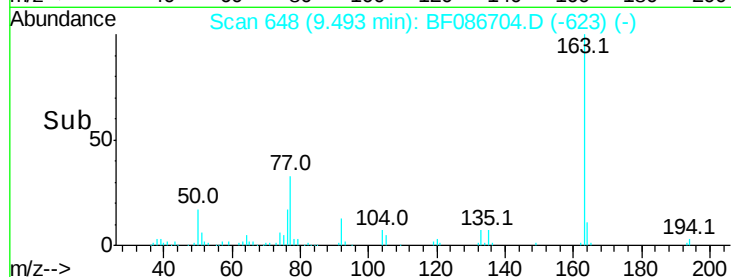
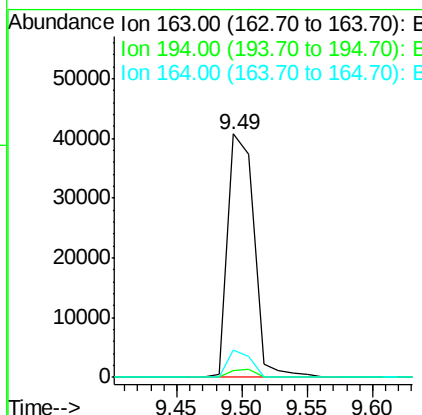
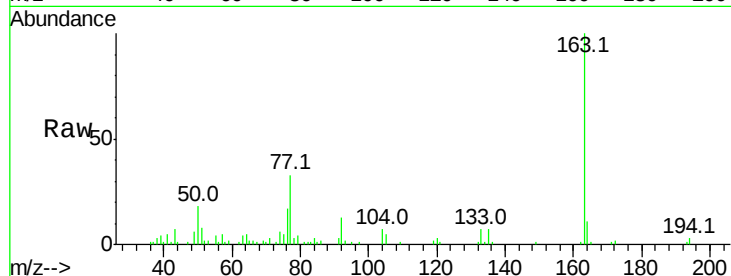
#49
Dimethylphthalate
Concen: 3.39 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF086704.D
Acq: 5 May 2016 4:16

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B4(5-12)-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	57161		
194	3.1		2.6	4.0
164	11.3		8.2	12.4

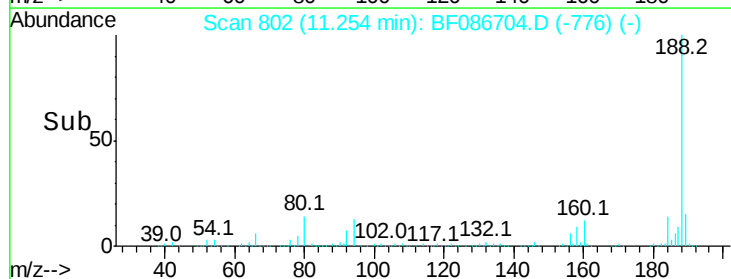
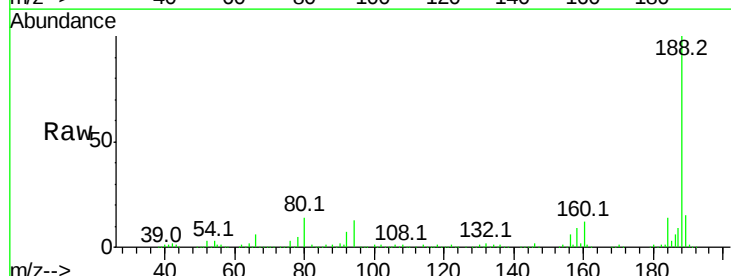
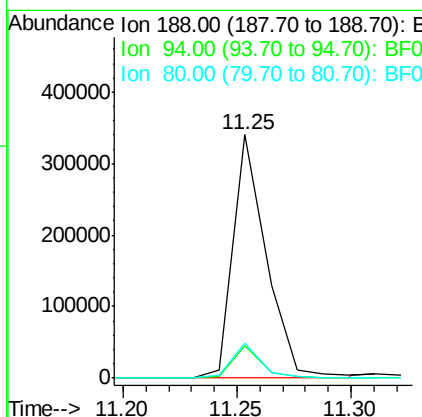
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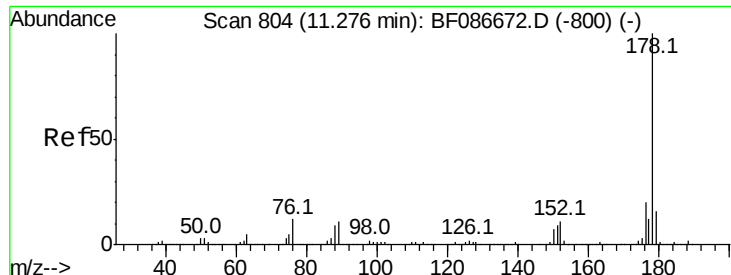
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#63
Phenanthrene-d10
Concen: 40.00 ng m
RT: 11.25 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF086704.D
Acq: 5 May 2016 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	345680		
94	13.2		6.8	10.2#
80	14.2		7.1	10.7#





#70

Phenanthrene

Concen: 4.28 ng

RT: 11.28 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF086704.D

Acq: 5 May 2016 4:16

Instrument :

BNA_F

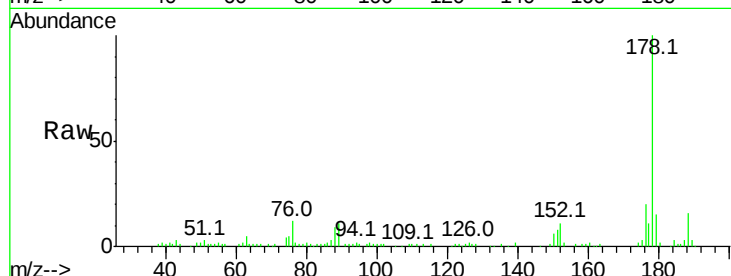
ClientSampleId :

EUT01-TD-B4(5-12)-C

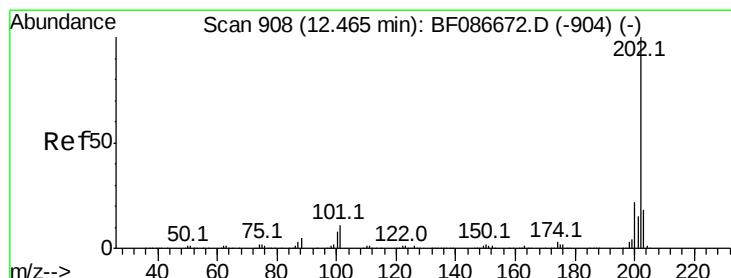
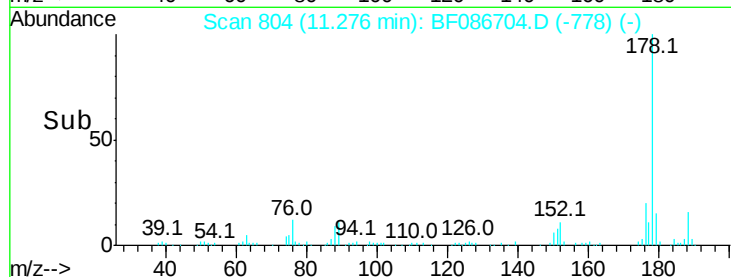
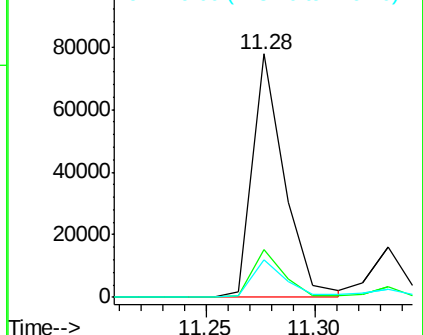
Tot Ion:	178	Resp:	79513
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.0	24.0
179	15.2	12.6	18.8

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.66 ng

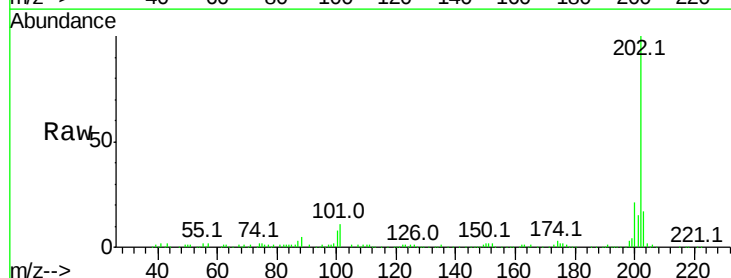
RT: 12.47 min Scan# 908

Delta R.T. 0.00 min

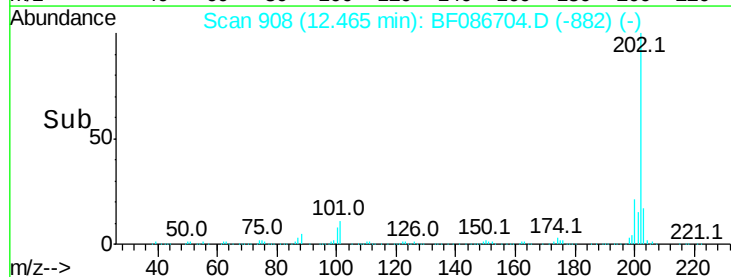
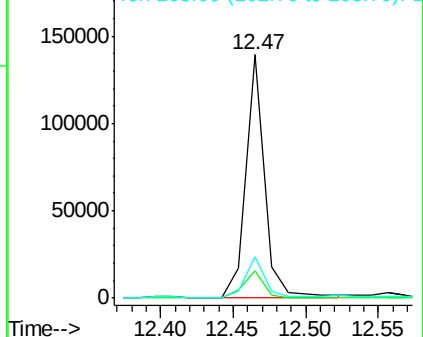
Lab File: BF086704.D

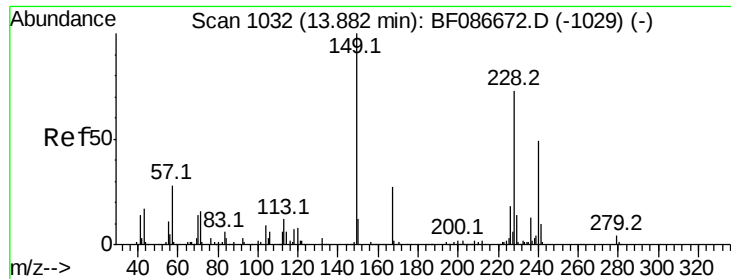
Acq: 5 May 2016 4:16

Tgt Ion:	202	Resp:	124007
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	35.4
203	16.8	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF086704.D

Acq: 5 May 2016 4:16

Instrument :

BNA_F

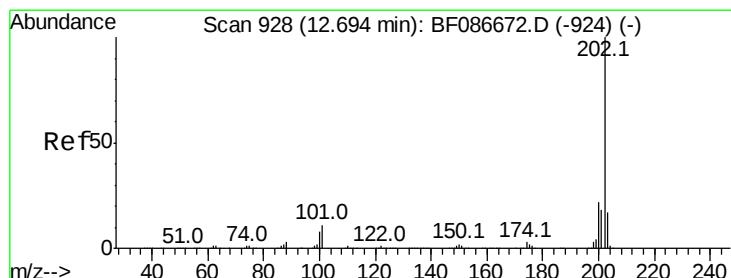
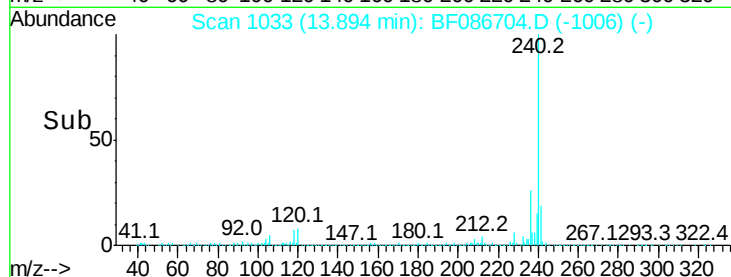
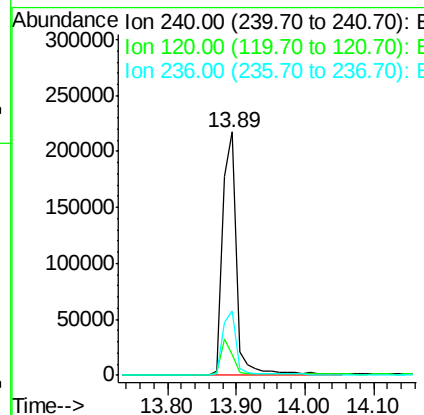
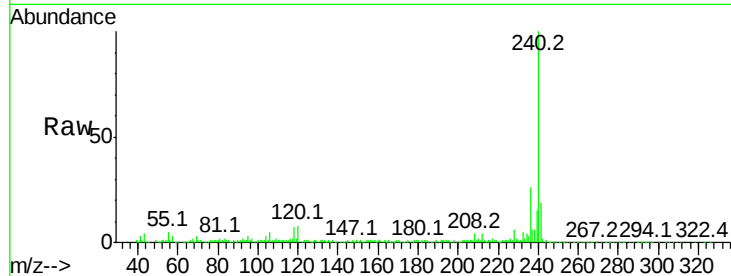
ClientSampleId :

EUT01-TD-B4(5-12)-C

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	8.4	11.2	16.8	
236	26.4	21.2	31.8	

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#77

Pyrene

Concen: 5.15 ng

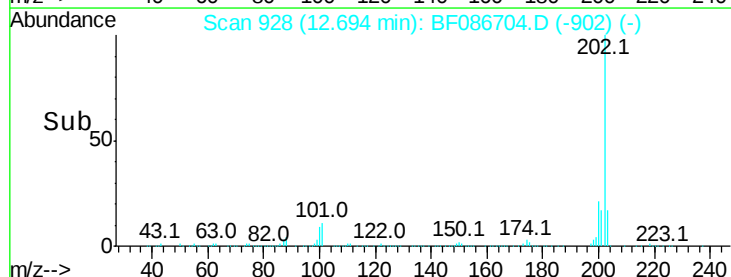
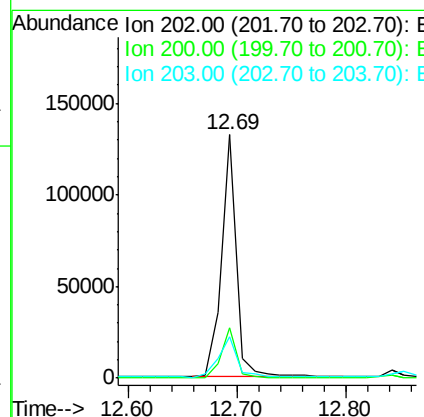
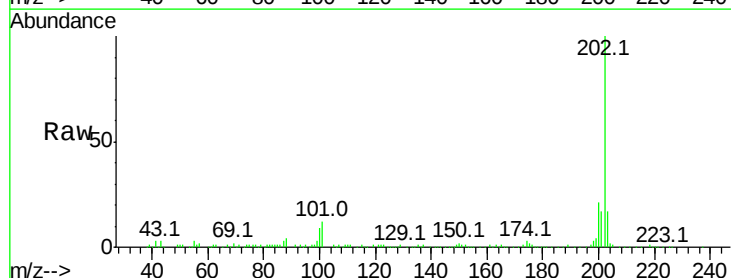
RT: 12.69 min Scan# 928

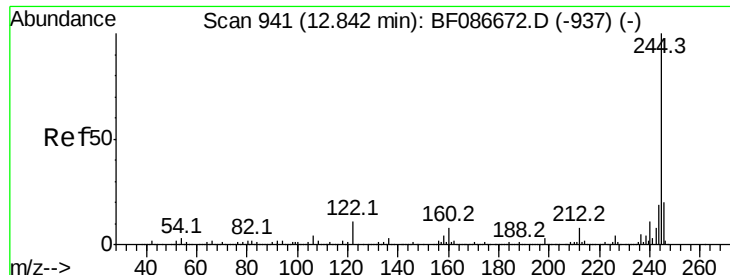
Delta R.T. 0.00 min

Lab File: BF086704.D

Acq: 5 May 2016 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.8	17.7	26.5	
203	17.1	14.2	21.4	





#78

Terphenyl-d14

Concen: 53.64 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF086704.D

Acq: 5 May 2016 4:16

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B4(5-12)-C

Tot Ion:244 Resp: 829786

Ion Ratio Lower Upper

244 100

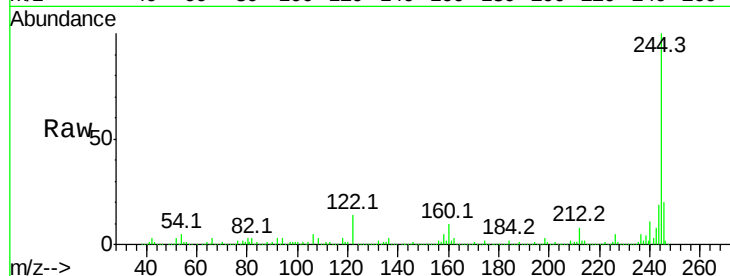
212 8.1 6.2 9.2

122 14.5 12.0 18.0

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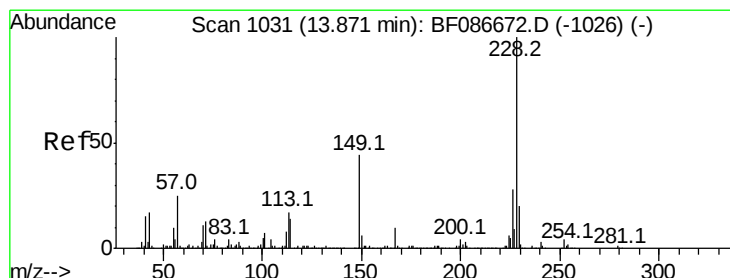
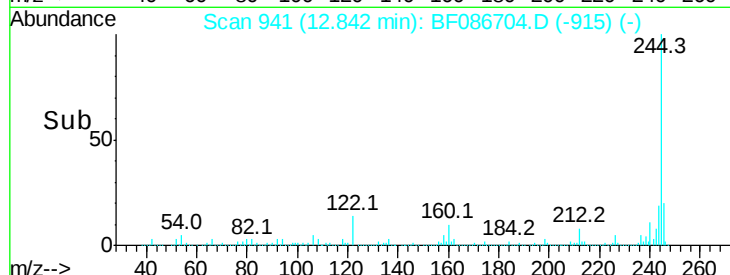
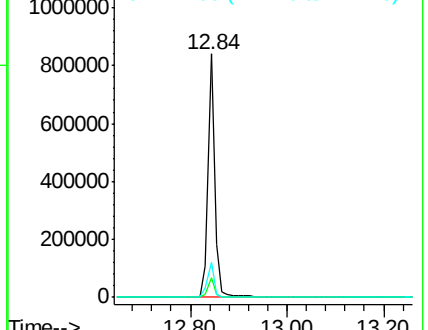
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.90 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BF086704.D

Acq: 5 May 2016 4:16

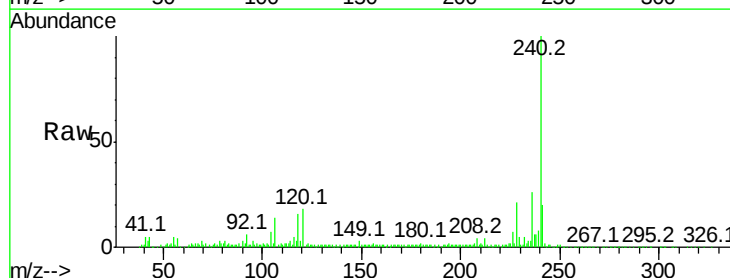
Tgt Ion:228 Resp: 51300

Ion Ratio Lower Upper

228 100

226 31.5 22.5 33.7

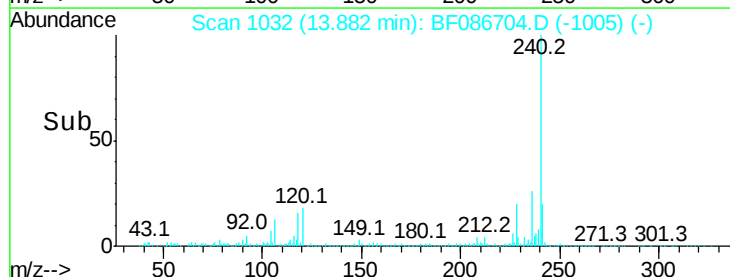
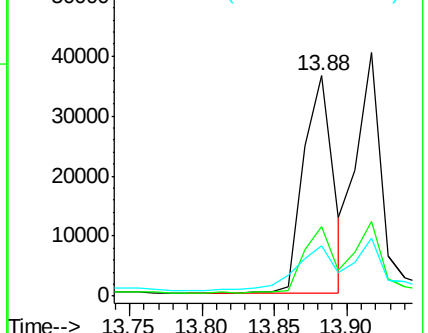
229 23.0 16.6 25.0

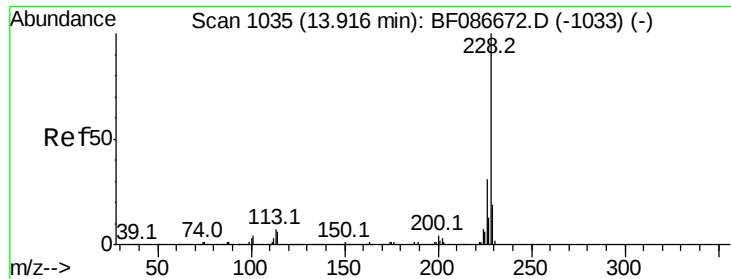


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.57 ng/mL

RT: 13.92 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF086704.D

Acq: 5 May 2016 4:16

Instrument :

BNA_F

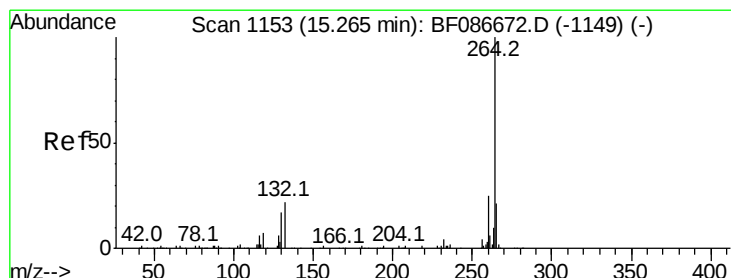
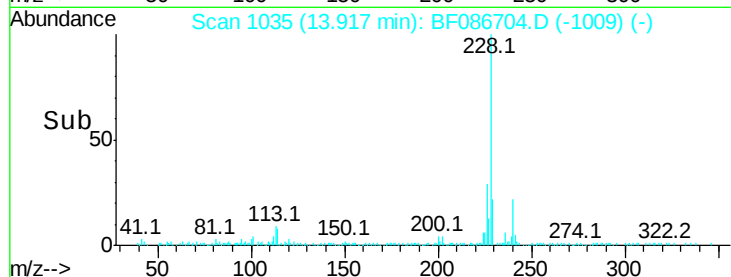
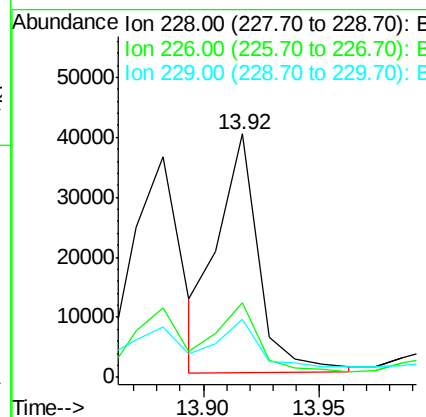
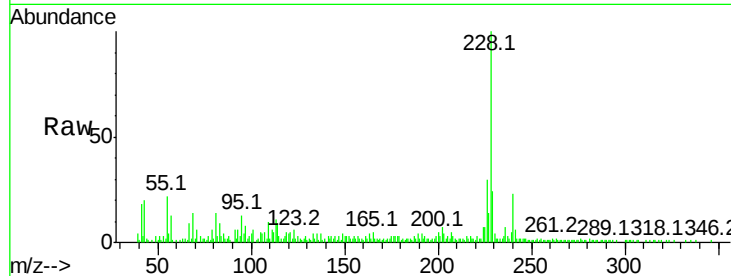
ClientSampleId :

EUT01-TD-B4(5-12)-C

Tot Ion:	228	Resp:	48571
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.4	36.6
229	24.1	15.8	23.8

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#86

Perylene-d12

Concen: 40.00 ng

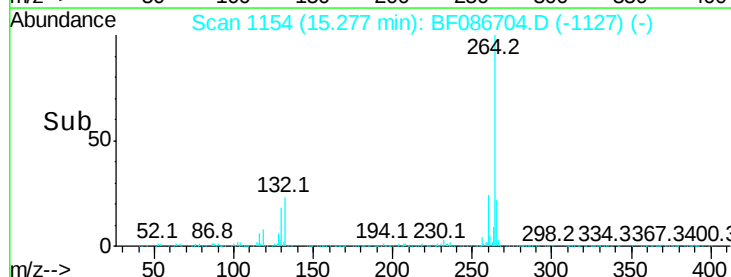
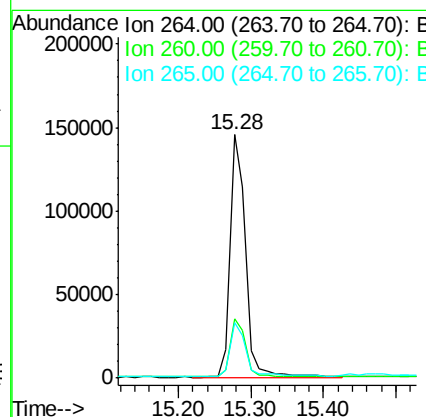
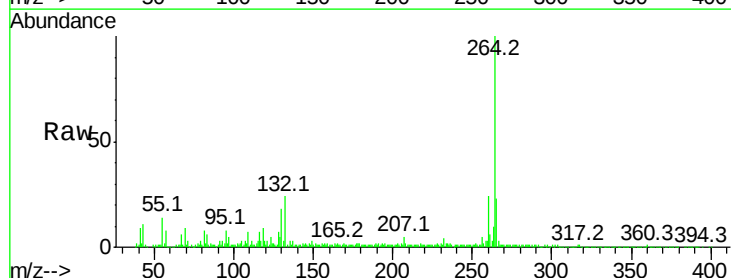
RT: 15.28 min Scan# 1154

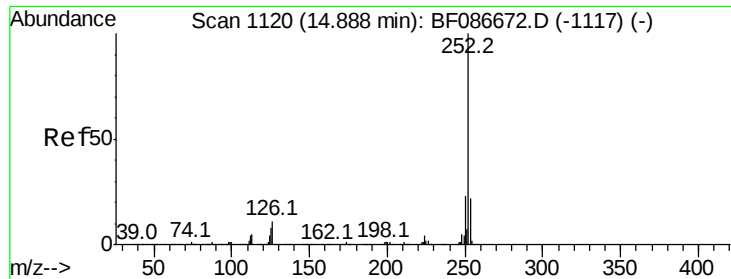
Delta R.T. 0.01 min

Lab File: BF086704.D

Acq: 5 May 2016 4:16

Tgt Ion:	264	Resp:	213642
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	22.7	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 4.23 ng

RT: 14.89 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BF086704.D

Acq: 5 May 2016 4:16

Instrument :

BNA_F

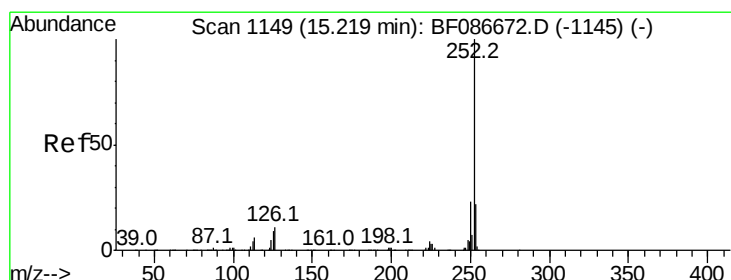
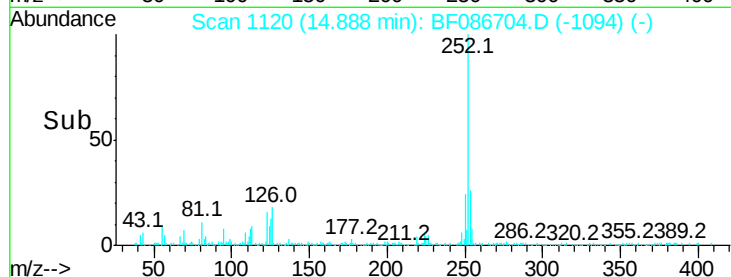
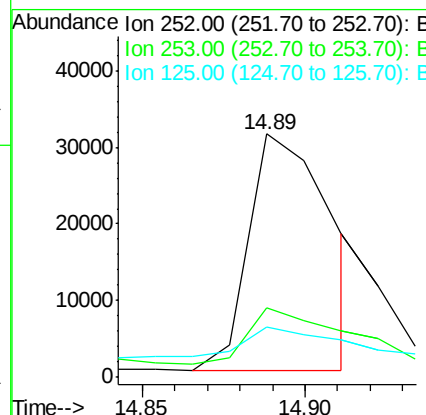
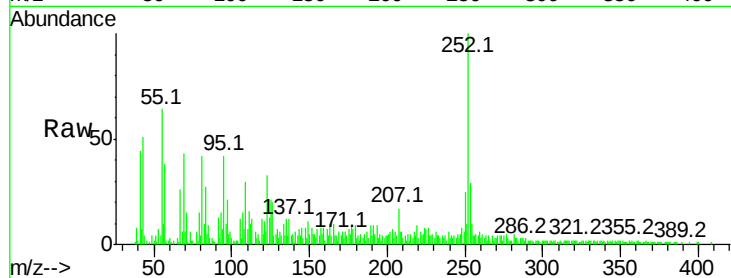
ClientSampleId :

EUT01-TD-B4(5-12)-C

Tot Ion:	252	Resp:	54352
Ion Ratio	Lower	Upper	
252	100		
253	28.7	17.8	26.6#
125	20.8	11.4	17.0#

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#89

Benzo(a)pyrene

Concen: 2.90 ng

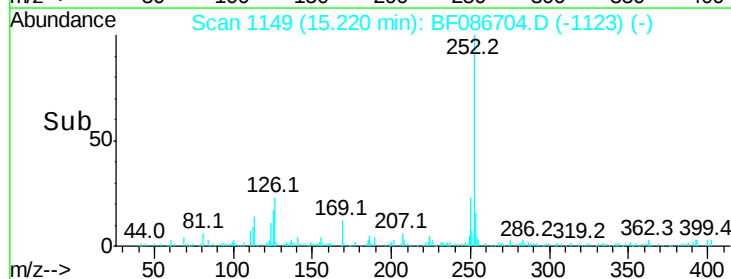
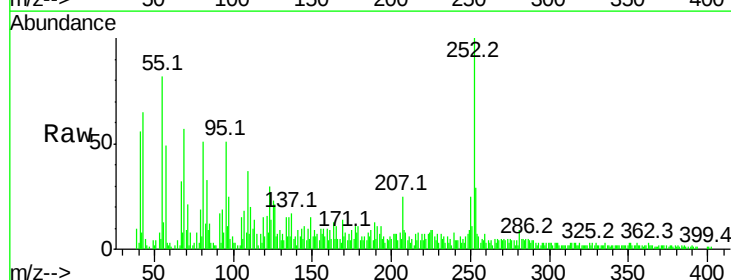
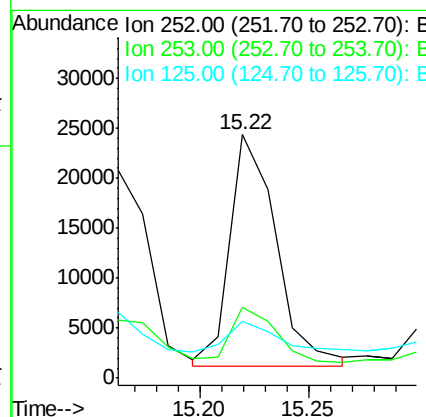
RT: 15.22 min Scan# 1149

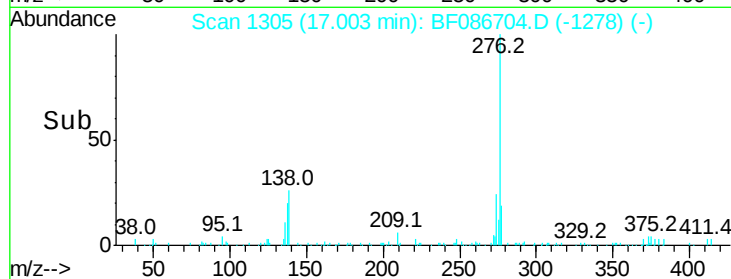
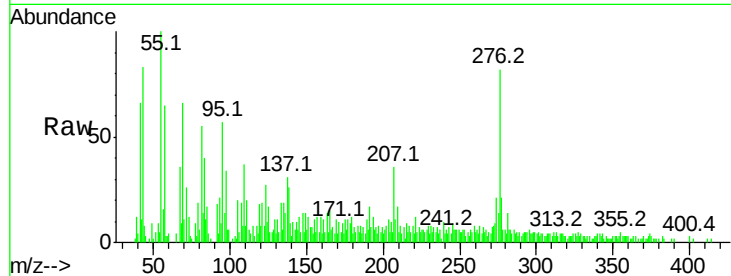
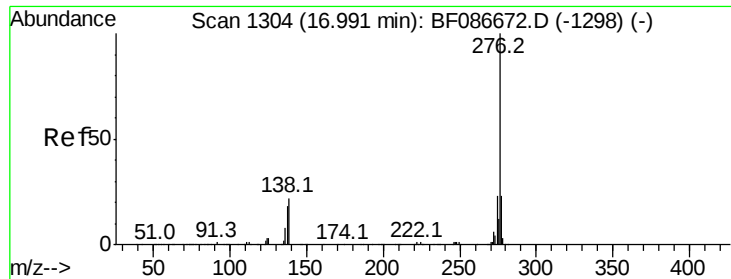
Delta R.T. 0.00 min

Lab File: BF086704.D

Acq: 5 May 2016 4:16

Tgt Ion:	252	Resp:	34270
Ion Ratio	Lower	Upper	
252	100		
253	28.9	17.2	25.8#
125	23.2	9.0	13.6#





#91

Benzo(a,h,i)perylene

Concen: 2.17 ng

RT: 17.00 min Scan# 1305

Delta R.T. 0.01 min

Lab File: BF086704.D

Acq: 5 May 2016 4:16

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B4(5-12)-C

Tot Ion:	276	Resp:	25824
Ion Ratio	Lower	Upper	
276	100		
277	26.2	19.6	29.4
138	31.6	23.6	35.4

Manual Integrations
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