

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
 Data File : BF086717.D
 Acq On : 5 May 2016 20:48
 Operator : UM/SJ
 Sample : H2829-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B3(5-9)-C

Manual Integrations
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Quant Time: May 06 11:28:00 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	172525	40.00	ng	-0.01
21) Naphthalene-d8	8.01	136	657332	40.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	313118	40.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	500743	40.00	ng	-0.01
75) Chrysene-d12	13.88	240	299255	40.00	ng	0.00
86) Perylene-d12	15.27	264	334415	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1162672	111.57	ng	0.00
7) Phenol-d6	6.37	99	1338353	95.34	ng	0.00
23) Nitrobenzene-d5	7.30	82	1027326	80.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	337595	110.22	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1385998	72.56	ng	-0.01
78) Terphenyl-d14	12.83	244	951304	64.25	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.62	152	165539	5.64	ng	99
49) Dimethylphthalate	9.48	163	151904	6.51	ng	99
70) Phenanthrene	11.26	178	495112	18.41	ng	99
71) Anthracene	11.32	178	192378	6.83	ng	96
72) Carbazole	11.48	167	55320	2.26	ng	99
74) Fluoranthene	12.45	202	1452944	53.90	ng	100
77) Pyrene	12.68	202	1533501	64.28	ng	98
80) Benzo(a)anthracene	13.87	228	771348	45.57	ng	95
82) Chrysene	13.91	228	698739m	38.70	ng	
85) Indeno(1,2,3-cd)pyrene	16.58	276	455488m	29.40	ng	
87) Benzo(b)fluoranthene	14.89	252	1029884m	51.25	ng	
88) Benzo(k)fluoranthene	14.90	252	261530m	13.81	ng	
89) Benzo(a)pyrene	15.22	252	714708m	38.61	ng	
90) Dibenzo(a,h)anthracene	16.59	278	116785	6.57	ng	96
91) Benzo(a,h,i)perylene	16.98	276	437321	23.43	ng	93

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

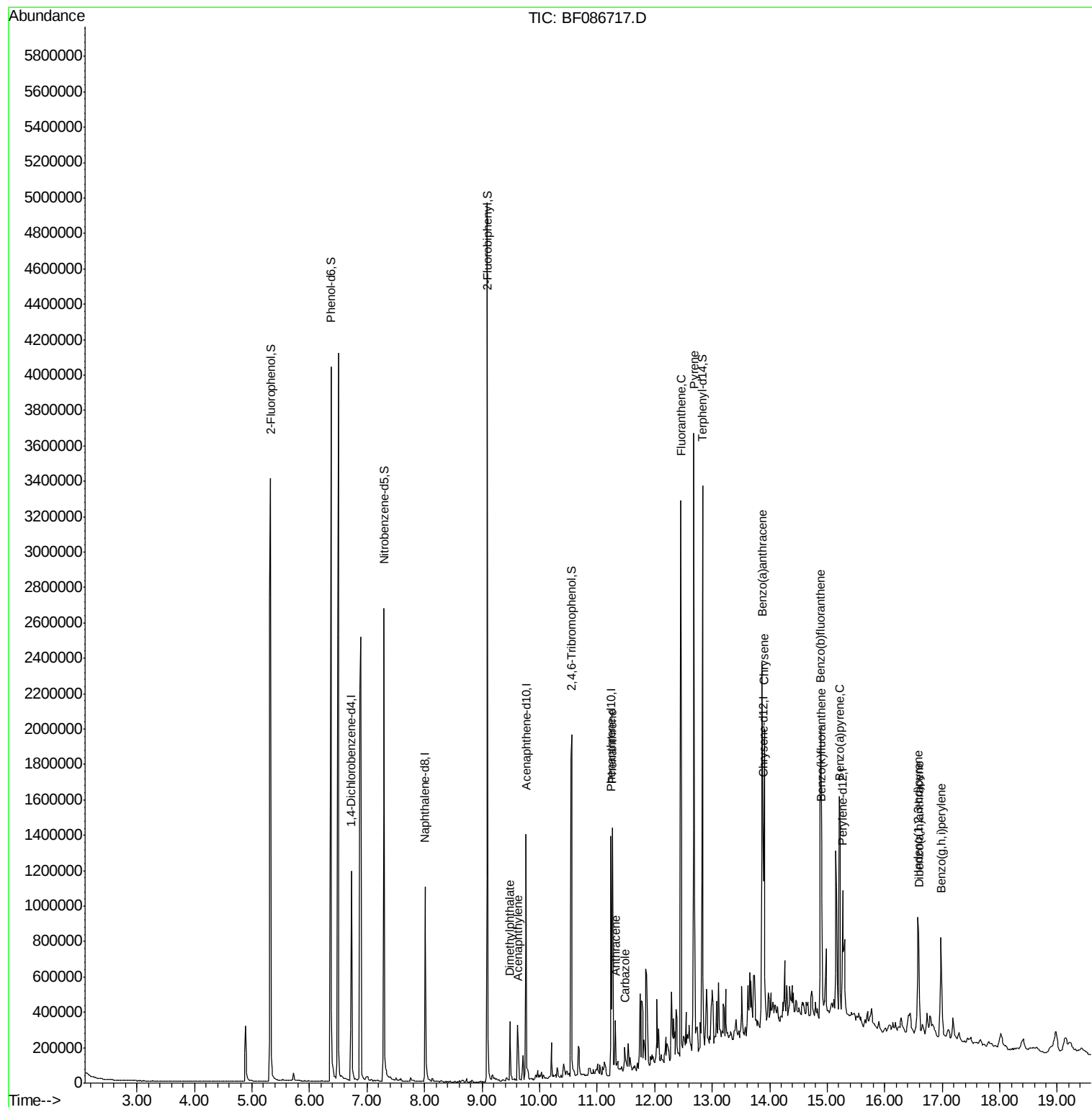
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
Data File : BF086717.D
Acq On : 5 May 2016 20:48
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ALS Vial : 15 Sample Multiplier: 1

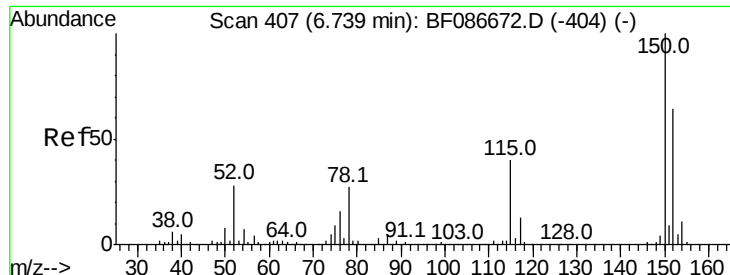
Instrument :
BNA_F
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EUT01-TD-B3(5-9)-C

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Quant Time: May 06 11:28:00 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

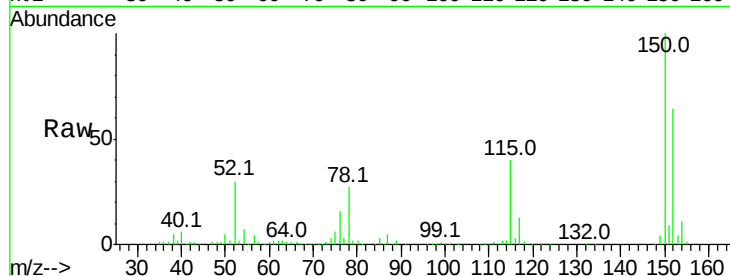
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF086717.D
Acq: 5 May 2016 20:48

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B3(5-9)-C

Tot Ion	Ratio	Resp	Lower	Upper
152	100	172525		
150	156.7	125.8	188.6	
115	62.0	51.5	77.3	

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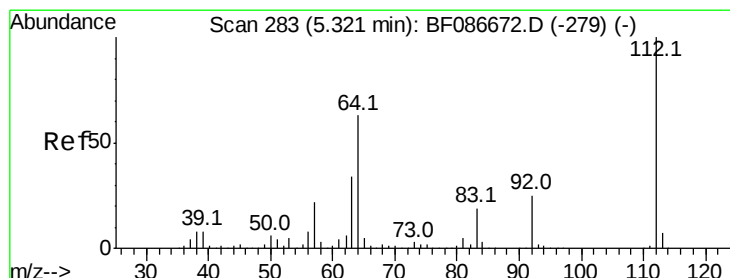
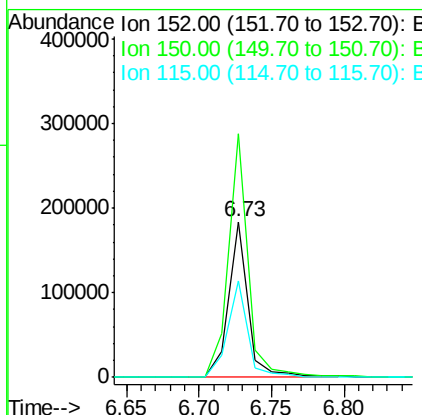
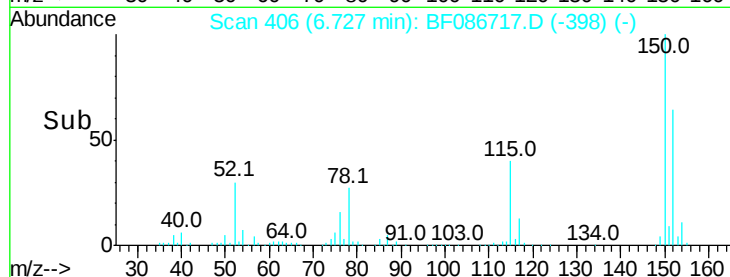


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

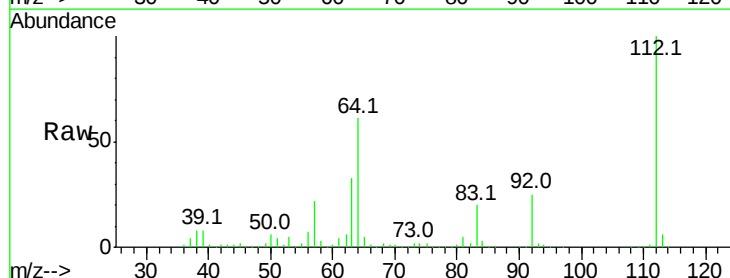
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 111.57 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.00 min
Lab File: BF086717.D
Acq: 5 May 2016 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1162672		
64	61.2	52.1	78.1	
63	33.2	25.7	38.5	

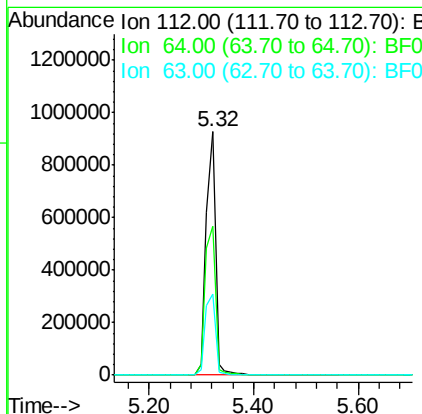
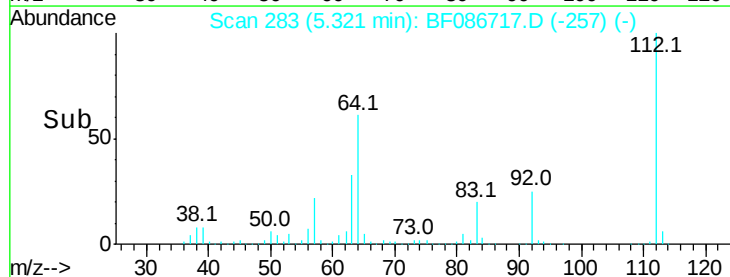


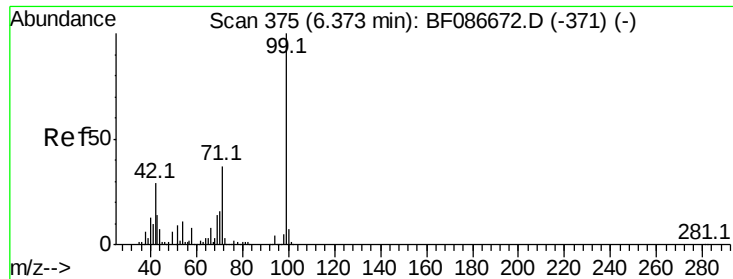
Abundance

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: 95.34 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086717.D

Acq: 5 May 2016 20:48

Instrument :

BNA_F

ClientSampleId :

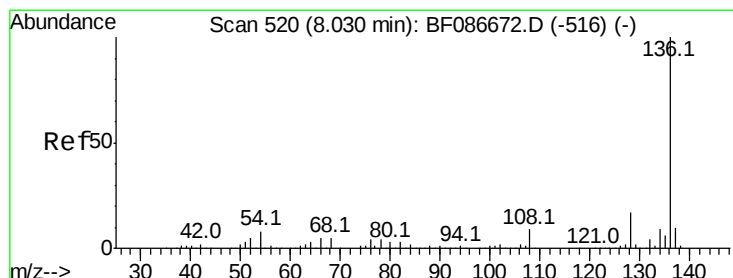
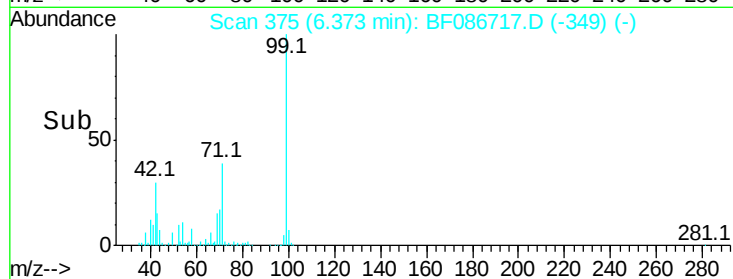
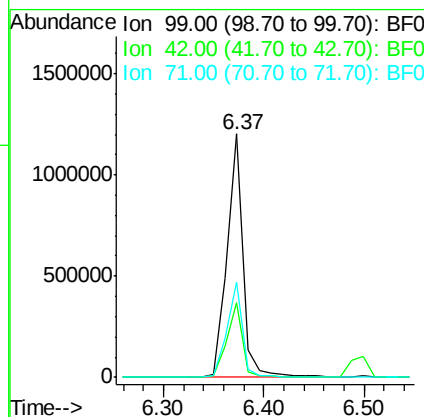
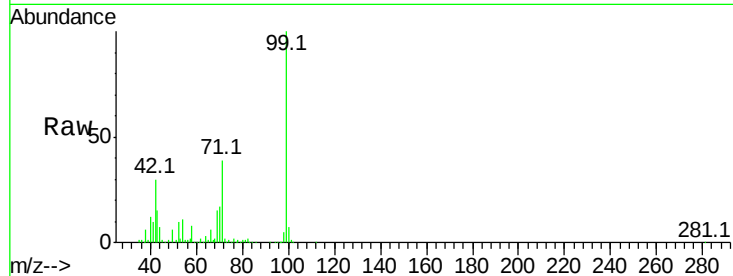
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Tot Ion: 99 Resp: 1338353

Ion	Ratio	Lower	Upper
99	100		
42	30.4	13.6	20.4#
71	39.1	24.6	36.8#

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#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.01 min Scan# 518

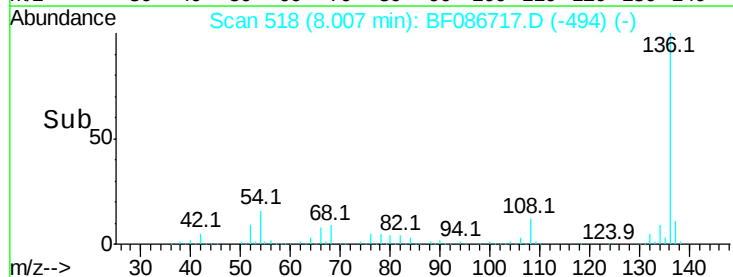
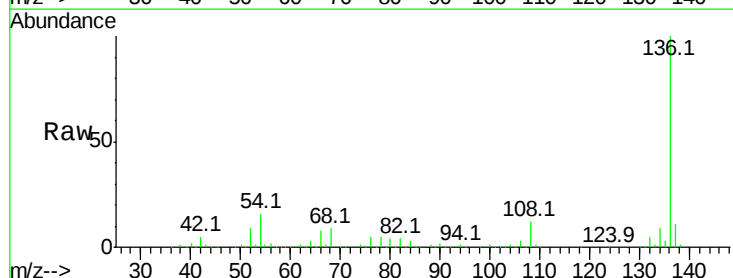
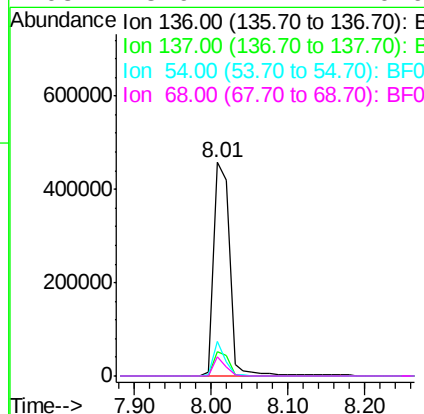
Delta R.T. -0.02 min

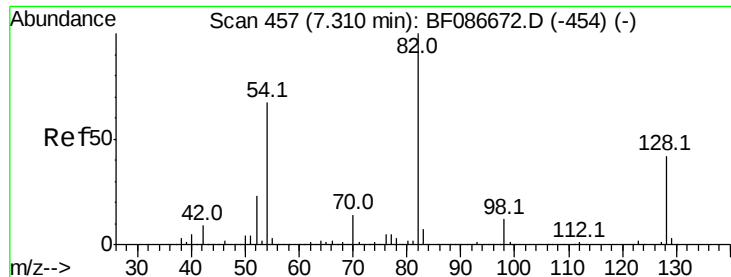
Lab File: BF086717.D

Acq: 5 May 2016 20:48

Tgt Ion: 136 Resp: 657332

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	16.0	5.0	7.4#
68	8.9	4.4	6.6#





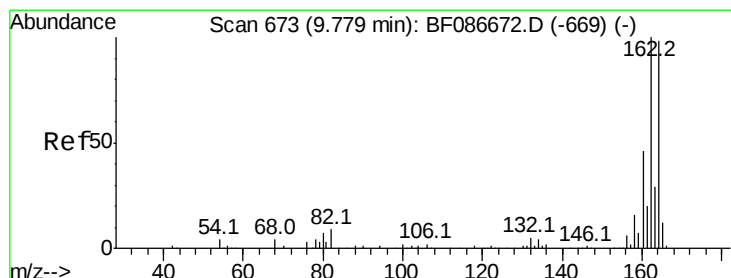
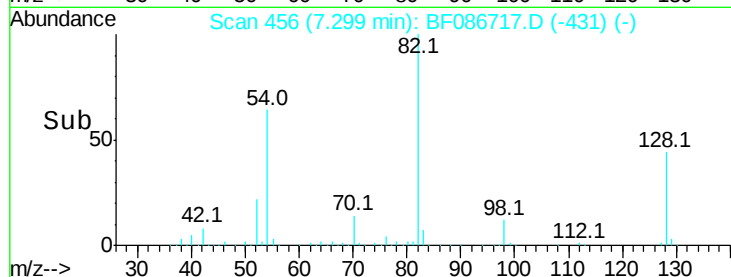
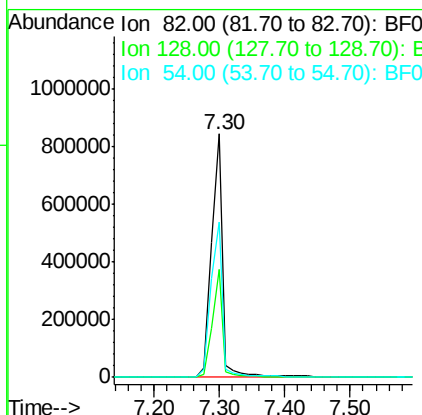
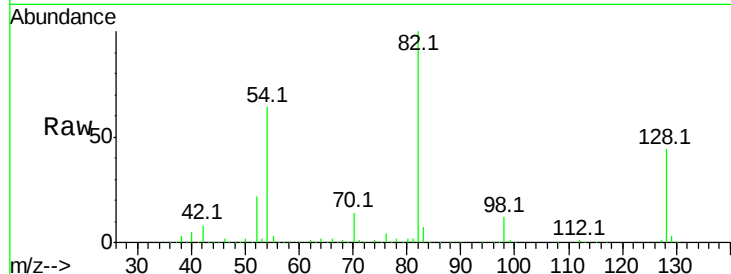
#23
 Nitrobenzene-d5
 Concen: 80.31 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF086717.D
 Acq: 5 May 2016 20:48

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B3(5-9)-C

Tot Ion: 82 Resp: 1027326
 Ion Ratio Lower Upper
 82 100
 128 44.3 40.6 61.0
 54 63.8 38.1 57.1#

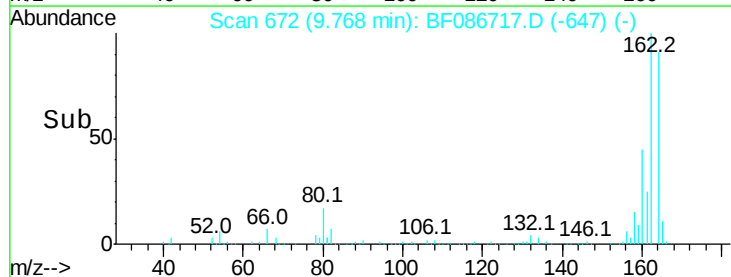
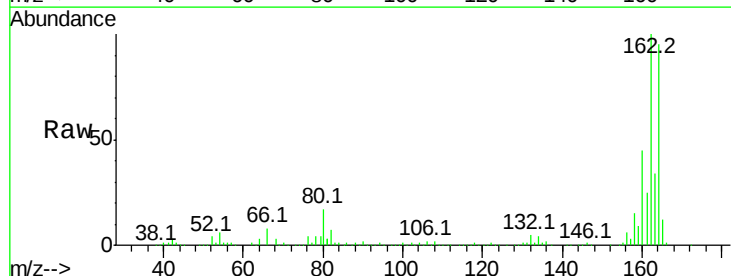
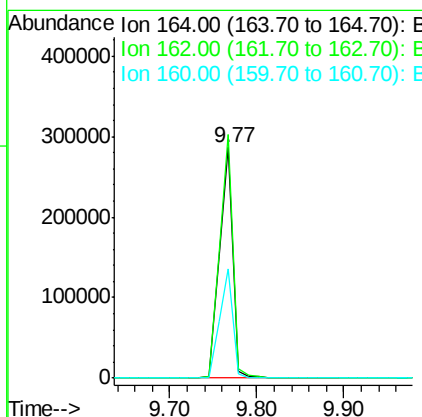
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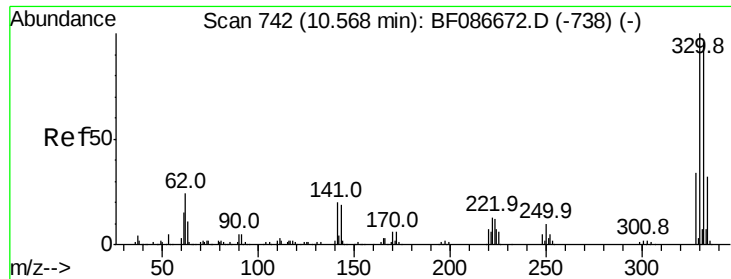
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#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF086717.D
 Acq: 5 May 2016 20:48

Tgt Ion: 164 Resp: 313118
 Ion Ratio Lower Upper
 164 100
 162 105.7 82.8 124.2
 160 47.6 36.9 55.3





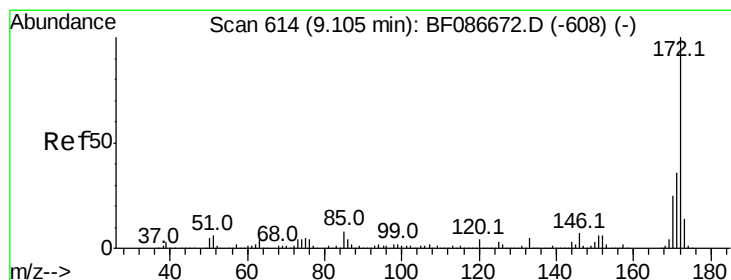
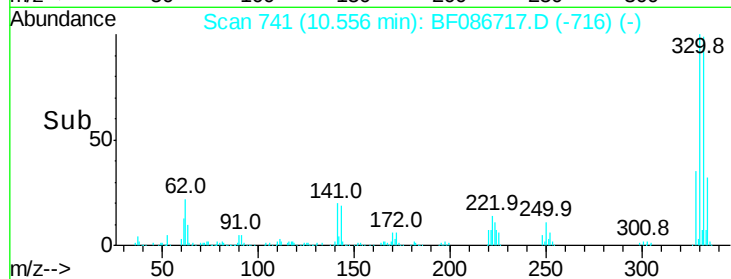
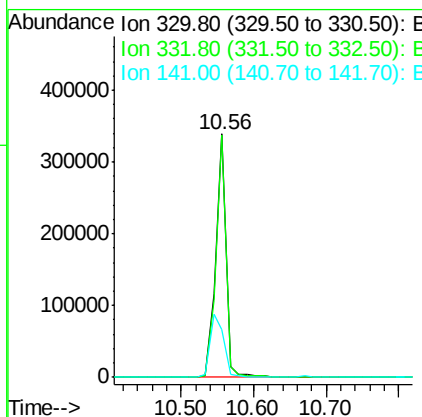
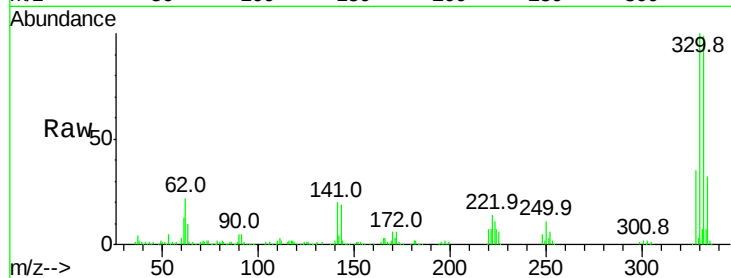
#41
 2,4,6-Tribromophenol
 Concen: 110.22 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF086717.D
 Acq: 5 May 2016 20:48

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B3(5-9)-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.4	79.0	118.4	
141	34.0	31.2	46.8	

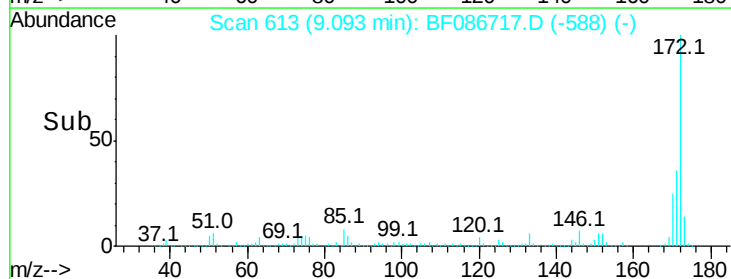
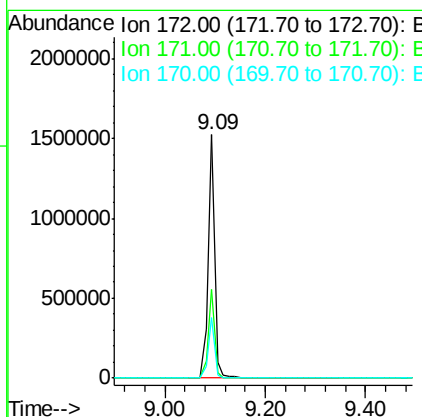
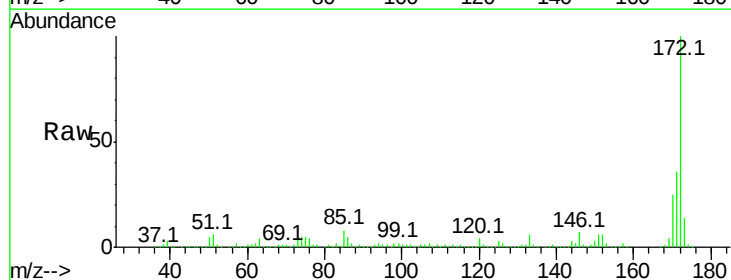
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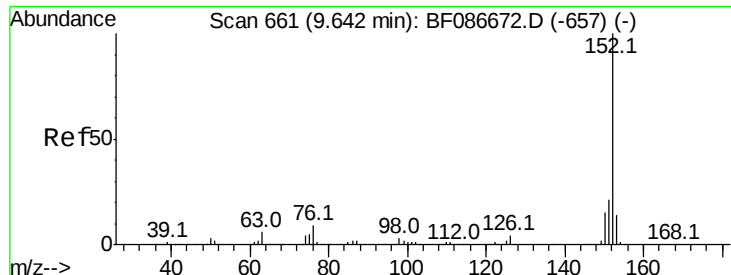
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#44
 2-Fluorobiphenyl
 Concen: 72.56 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF086717.D
 Acq: 5 May 2016 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.4	29.0	43.6	
170	25.0	19.8	29.8	





#48

Acenaphthylene

Concen: 5.64 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.02 min

Lab File: BF086717.D

Acq: 5 May 2016 20:48

Instrument :

BNA_F

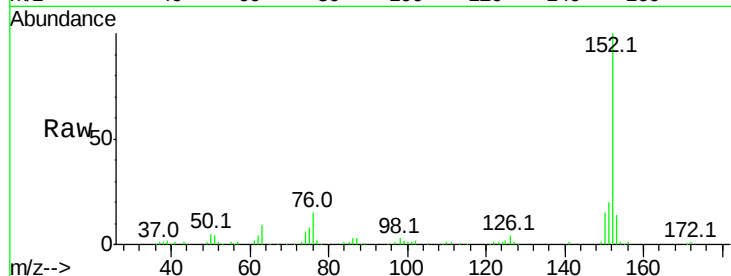
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EUT01-TD-B3(5-9)-C

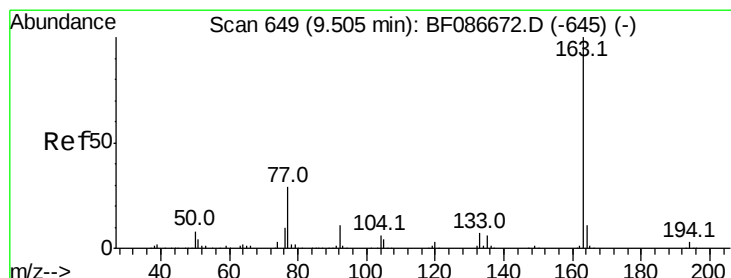
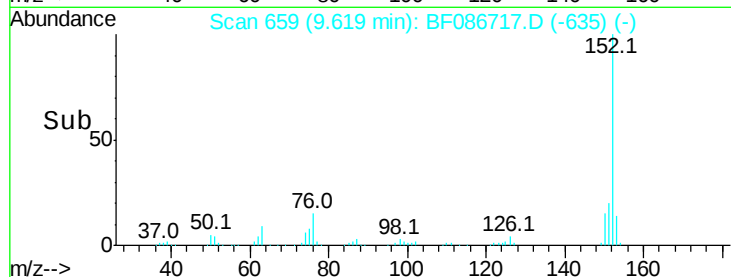
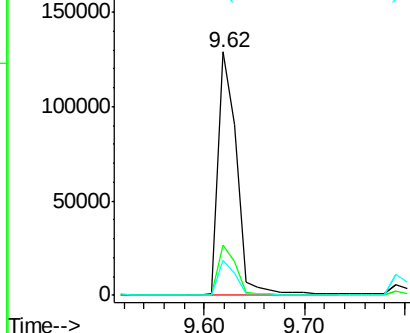
Tot Ion:	152	Resp:	165539
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.8	25.2
153	14.3	10.9	16.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 6.51 ng

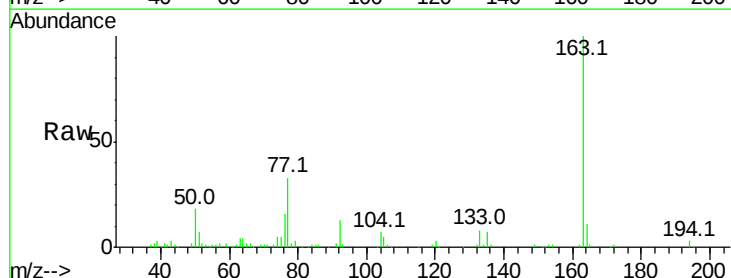
RT: 9.48 min Scan# 647

Delta R.T. -0.02 min

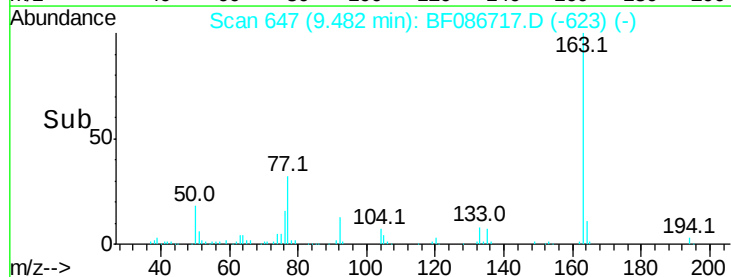
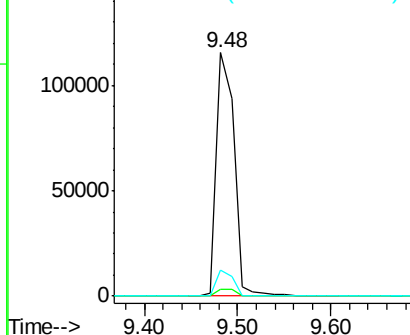
Lab File: BF086717.D

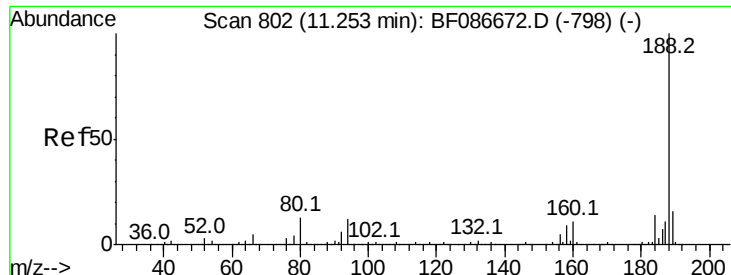
Acq: 5 May 2016 20:48

Tgt Ion:	163	Resp:	151904
Ion Ratio	Lower	Upper	
163	100		
194	2.8	2.6	4.0
164	10.5	8.2	12.4



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





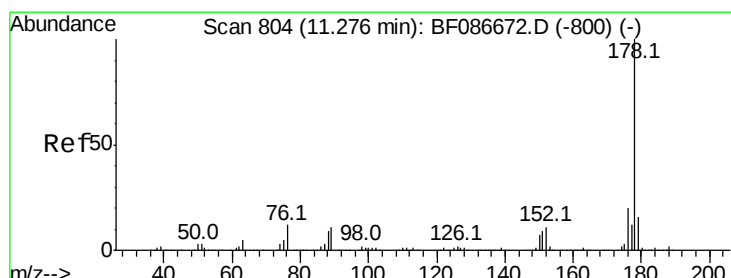
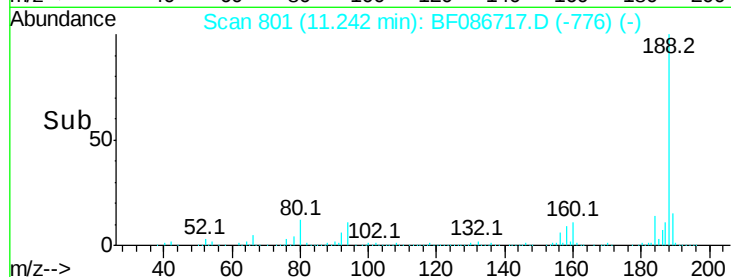
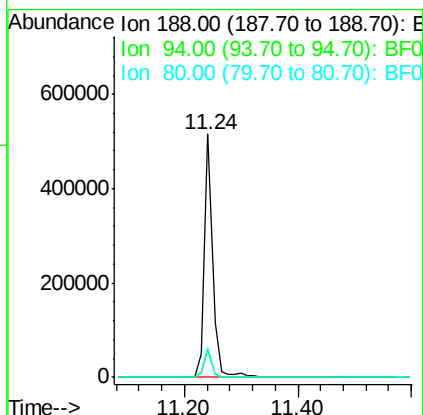
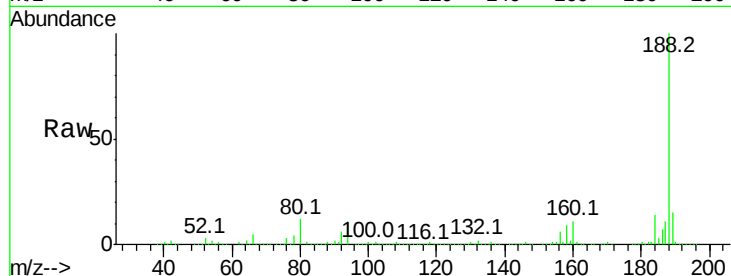
#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF086717.D
 Acq: 5 May 2016 20:48

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B3(5-9)-C

Tot Ion	Ratio	Resp	Lower	Upper
188	100	500743		
94	11.1	6.8	10.2#	
80	12.3	7.1	10.7#	

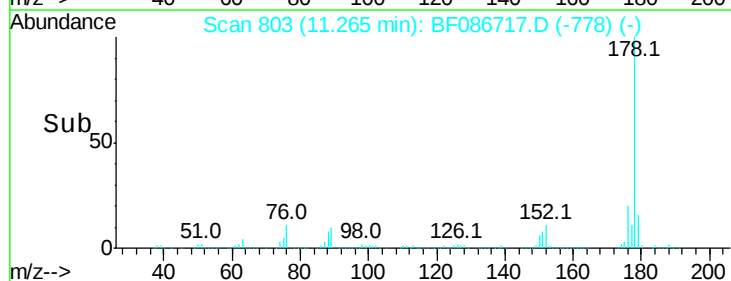
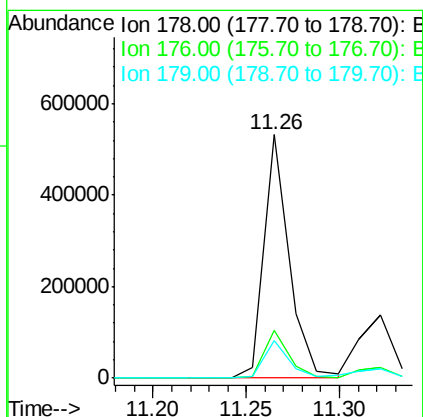
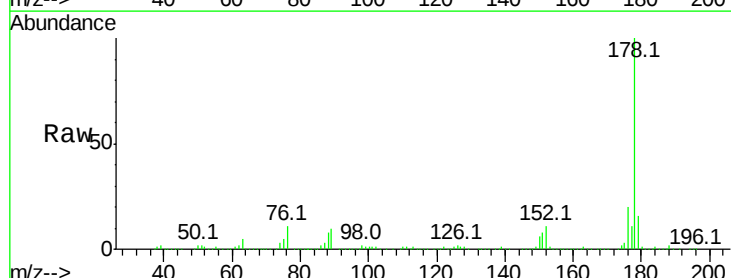
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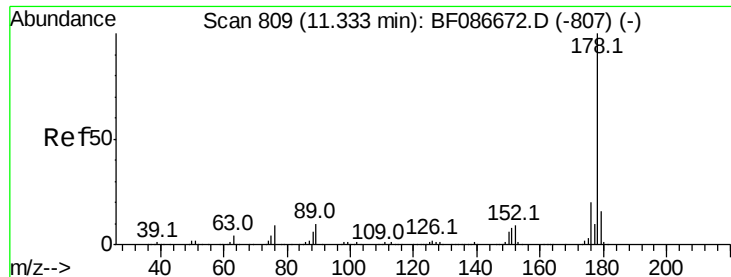
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#70
 Phenanthrene
 Concen: 18.41 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF086717.D
 Acq: 5 May 2016 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	495112		
176	19.6	16.0	24.0	
179	15.6	12.6	18.8	





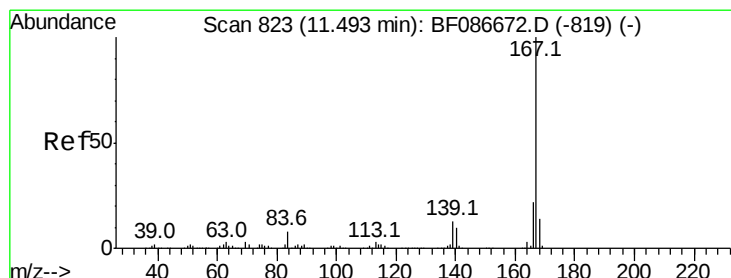
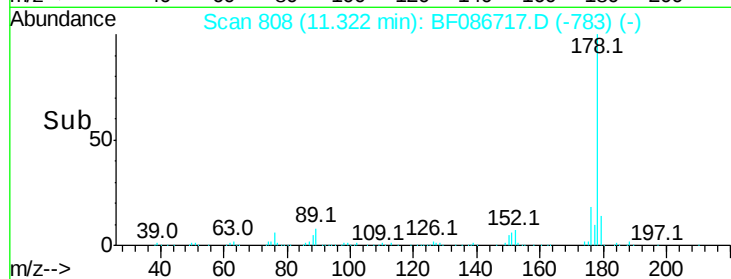
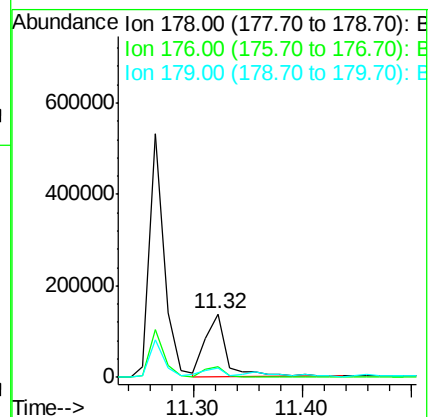
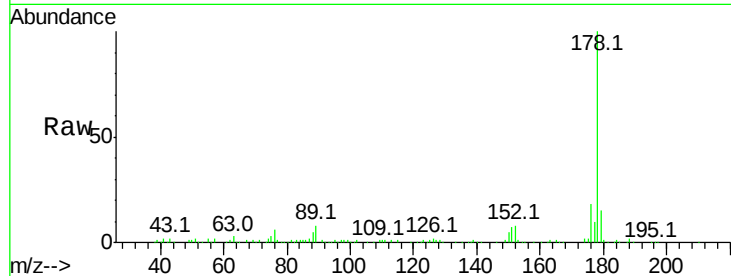
#71
 Anthracene
 Concen: 6.83 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF086717.D
 Acq: 5 May 2016 20:48

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B3(5-9)-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.6	23.4
179	14.5	12.7	19.1

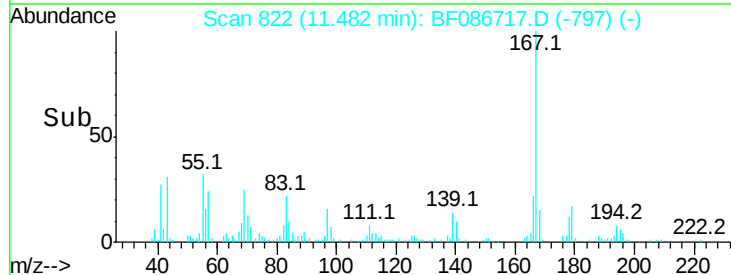
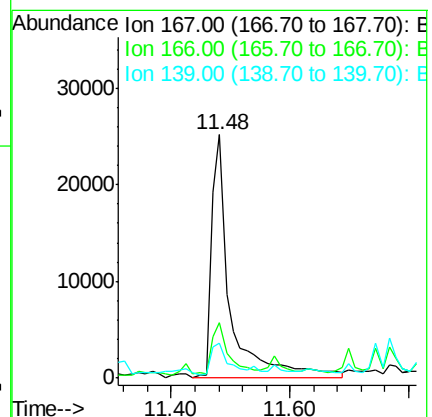
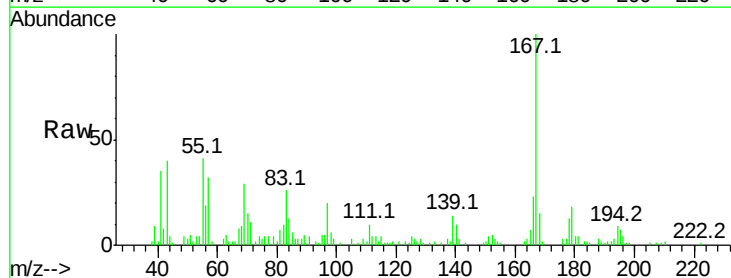
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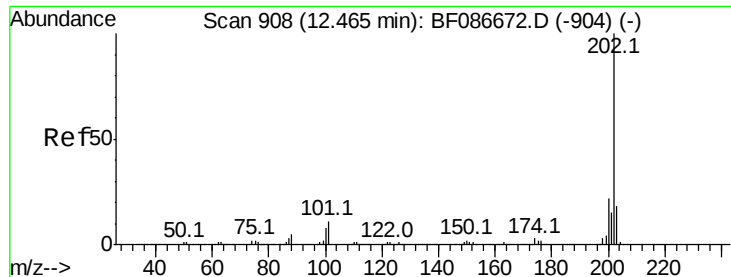
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#72
 Carbazole
 Concen: 2.26 ng
 RT: 11.48 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BF086717.D
 Acq: 5 May 2016 20:48

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.7	26.5
139	14.2	10.8	16.2





#74

Fluoranthene

Concen: 53.90 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF086717.D

Acq: 5 May 2016 20:48

Instrument :

BNA_F

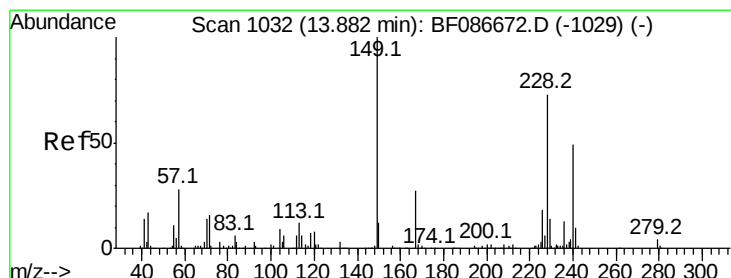
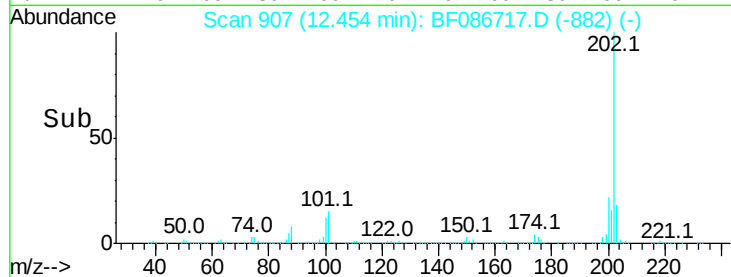
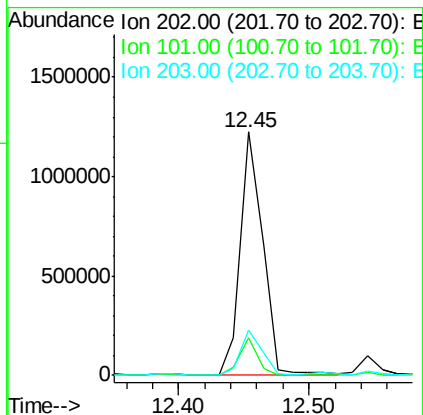
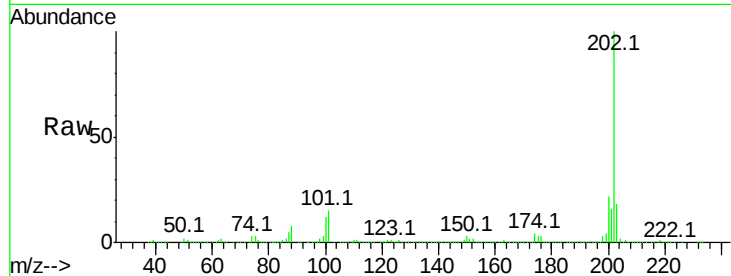
ClientSampleId :

EUT01-TD-B3(5-9)-C

Tot Ion:	202	Resp:	1452944
Ion Ratio	Lower	Upper	
202	100		
101	15.2	0.0	35.4
203	18.3	0.0	38.1

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#75

Chrysene-d12

Concen: 40.00 ng

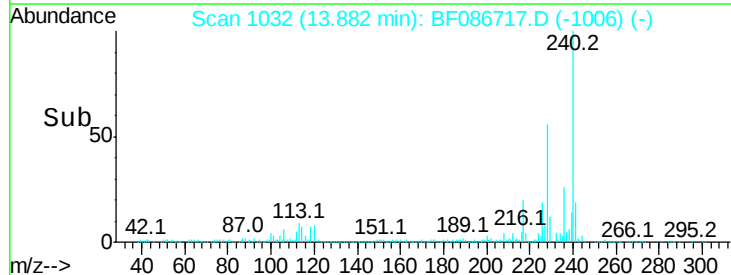
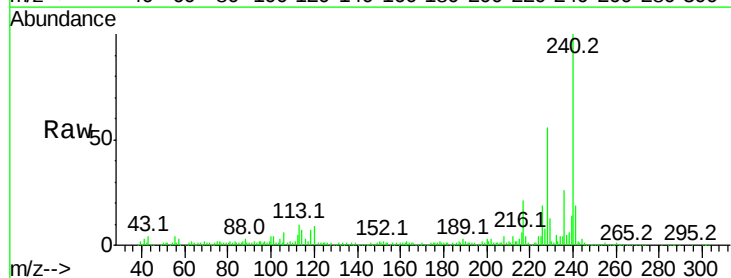
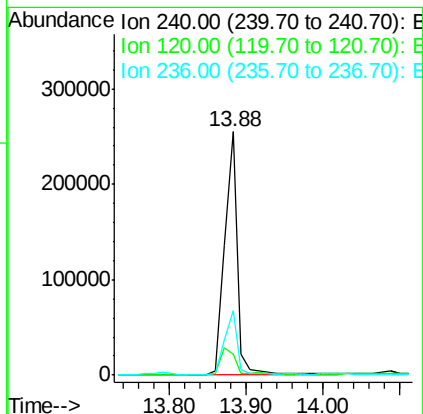
RT: 13.88 min Scan# 1032

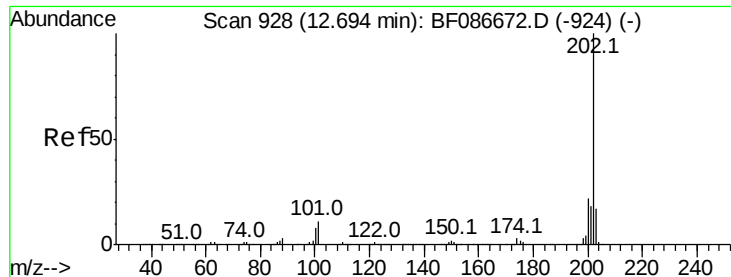
Delta R.T. 0.00 min

Lab File: BF086717.D

Acq: 5 May 2016 20:48

Tgt Ion:	240	Resp:	299255
Ion Ratio	Lower	Upper	
240	100		
120	8.7	11.2	16.8#
236	26.4	21.2	31.8





#77

Pvrene

Concen: 64.28 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF086717.D

Acq: 5 May 2016 20:48

Instrument :

BNA_F

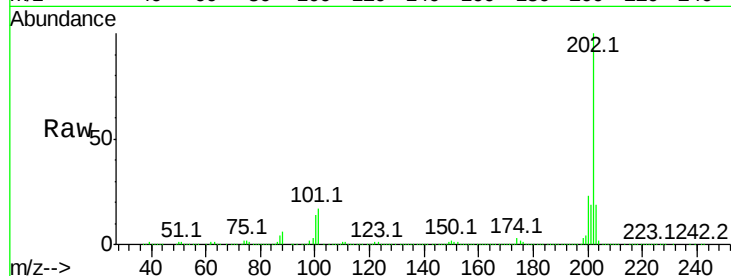
ClientSampleId :

EUT01-TD-B3(5-9)-C

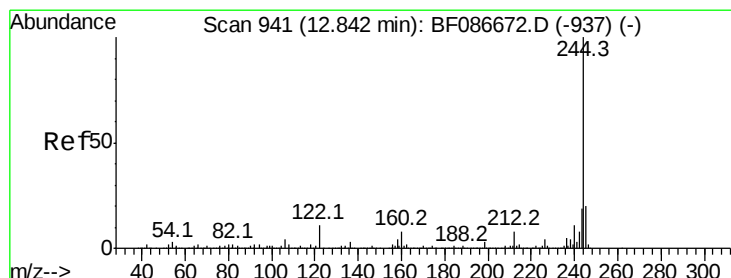
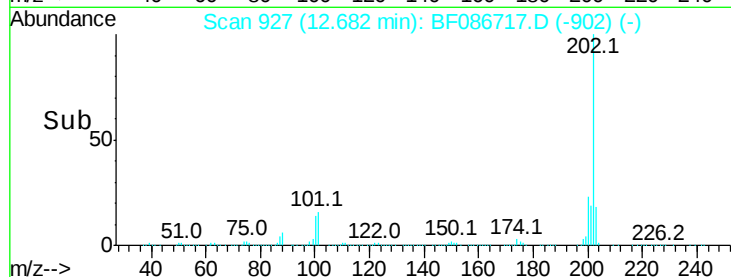
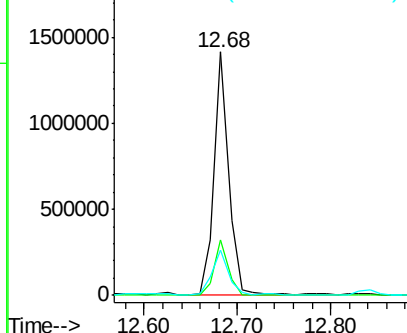
Tot Ion:	202	Resp:	1533501
Ion Ratio	Lower	Upper	
202	100		
200	22.6	17.7	26.5
203	18.8	14.2	21.4

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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: 64.25 ng

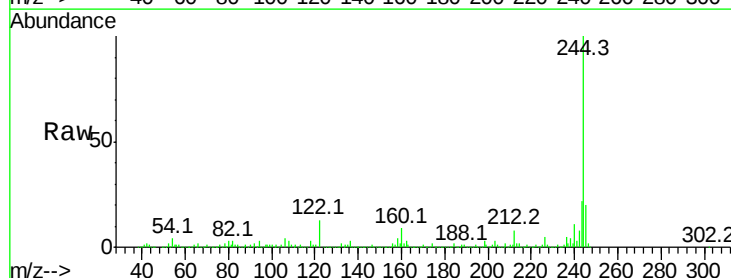
RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

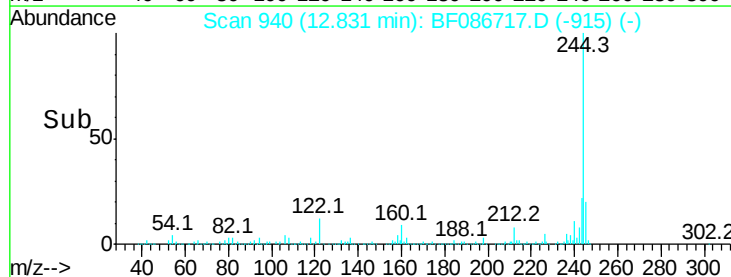
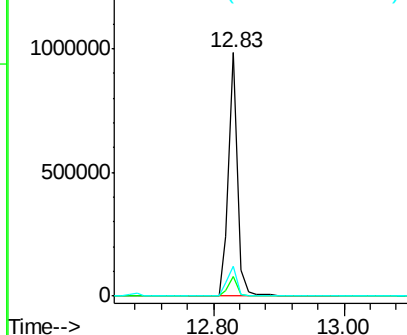
Lab File: BF086717.D

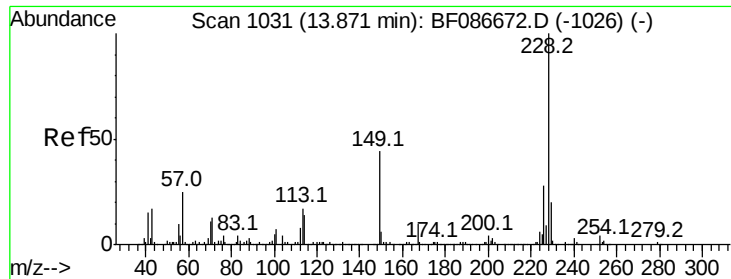
Acq: 5 May 2016 20:48

Tgt Ion:	244	Resp:	951304
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.2	9.2
122	12.5	12.0	18.0



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





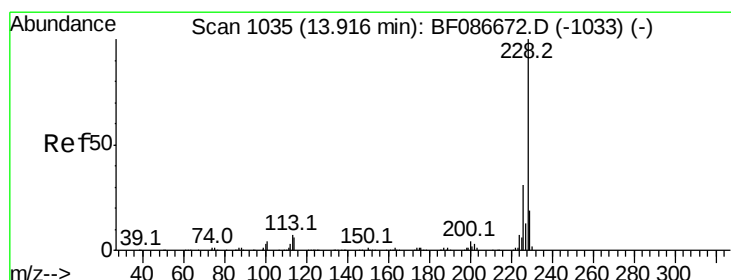
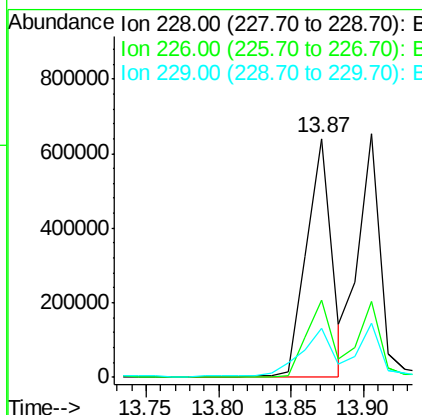
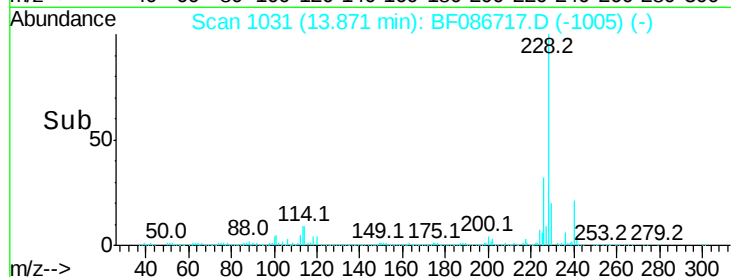
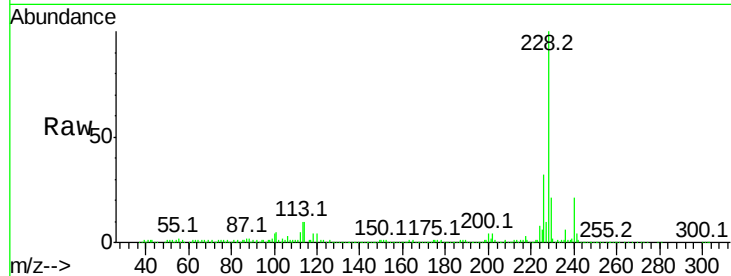
#80
Benzo(a)anthracene
Concen: 45.57 ng
RT: 13.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF086717.D
Acq: 5 May 2016 20:48

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B3(5-9)-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.5	33.7
229	20.6	16.6	25.0

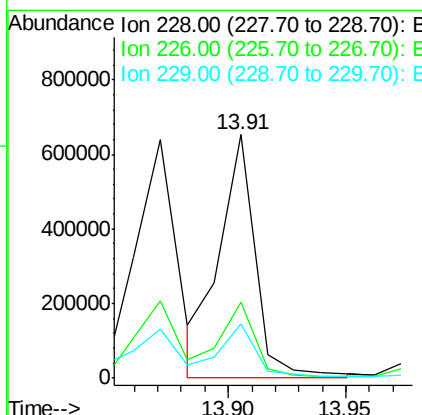
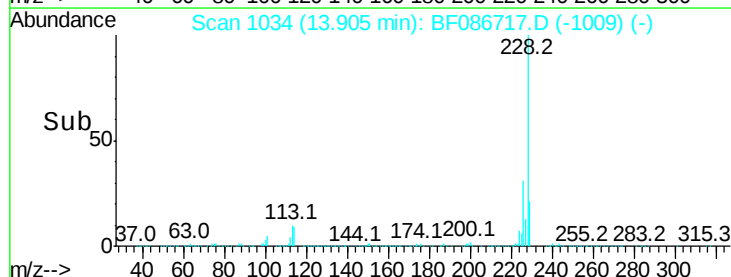
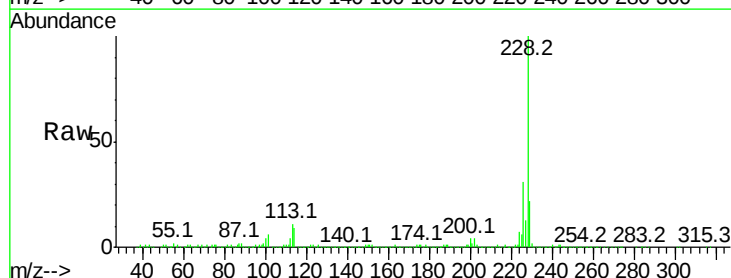
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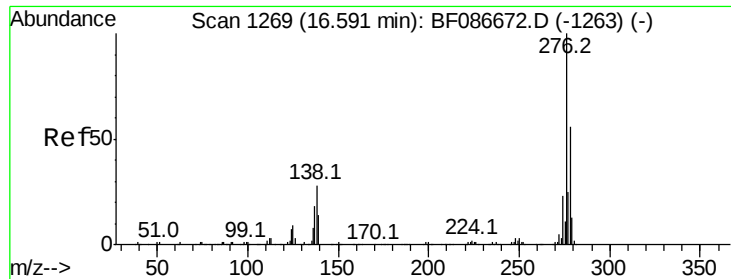
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#82
Chrysene
Concen: 38.70 ng m
RT: 13.91 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF086717.D
Acq: 5 May 2016 20:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	22.1	15.8	23.8





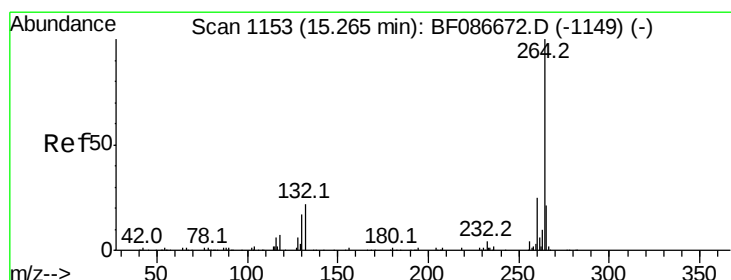
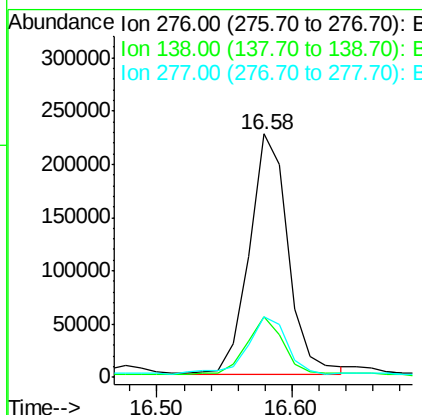
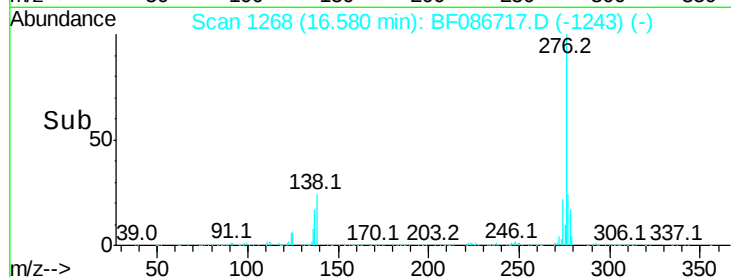
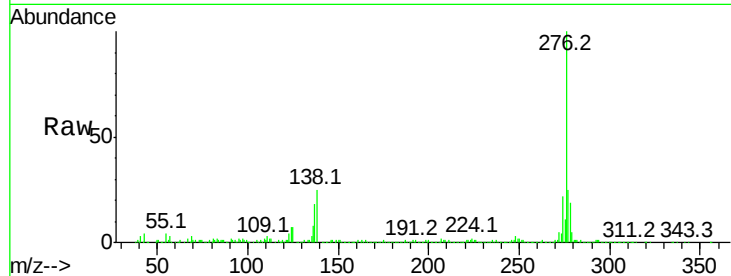
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 29.40 ng/mL
 RT: 16.58 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BF086717.D
 Acq: 5 May 2016 20:48

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B3(5-9)-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.7	25.6	38.4#
277	4.3	20.5	30.7#

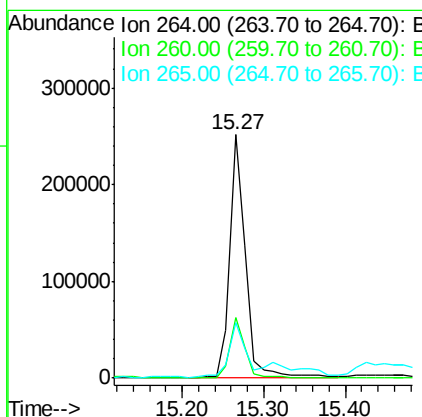
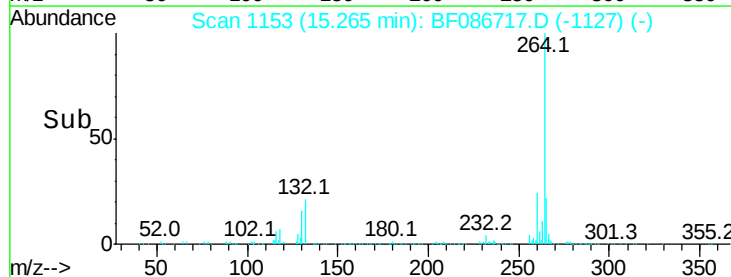
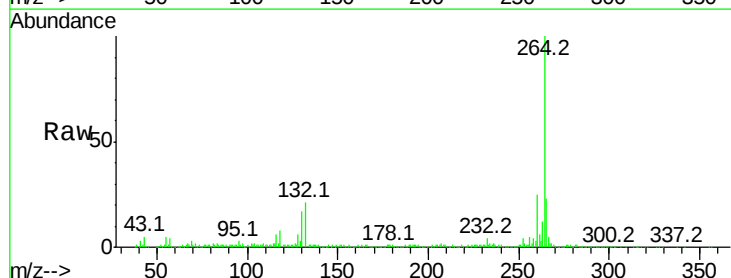
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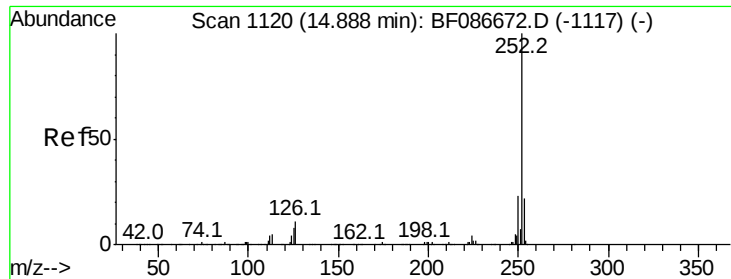
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#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.27 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BF086717.D
 Acq: 5 May 2016 20:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.9	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 51.25 ng/mL

RT: 14.89 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BF086717.D

Acq: 5 May 2016 20:48

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B3(5-9)-C

Tot Ion:252 Resp: 1029884

Ion Ratio Lower Upper

252 100

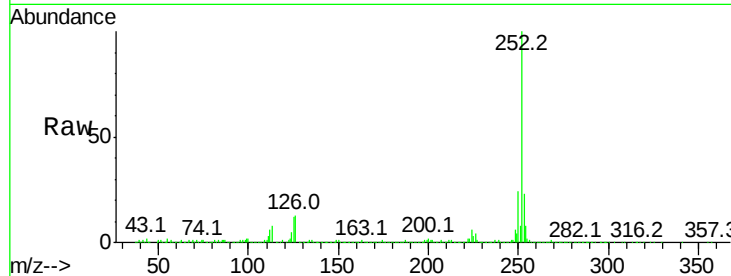
253 22.7 17.8 26.6

125 11.9 11.4 17.0

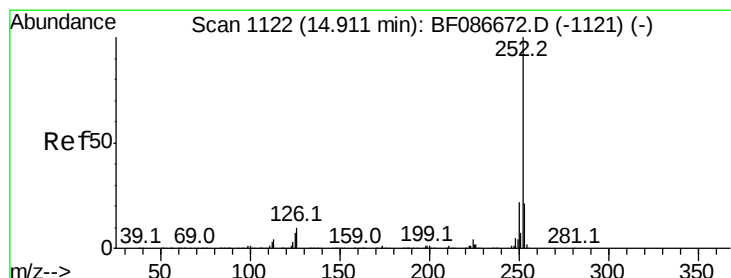
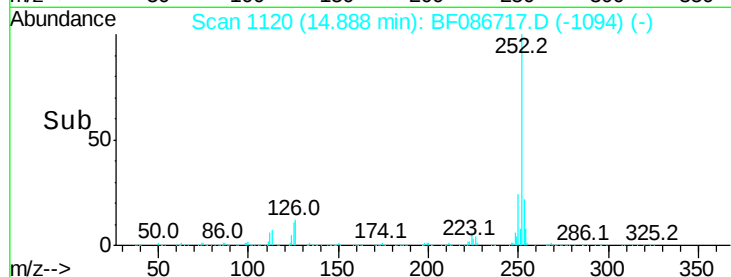
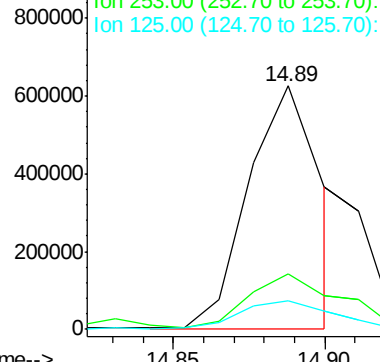
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 13.81 ng/mL

RT: 14.90 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BF086717.D

Acq: 5 May 2016 20:48

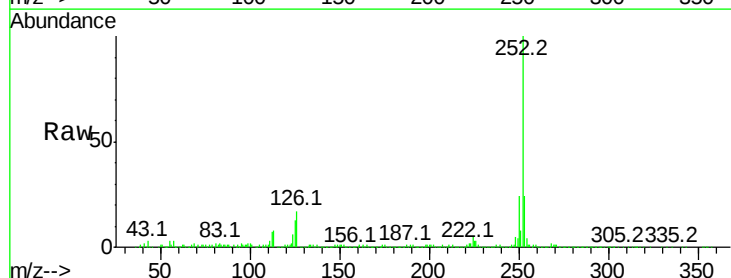
Tgt Ion:252 Resp: 261530

Ion Ratio Lower Upper

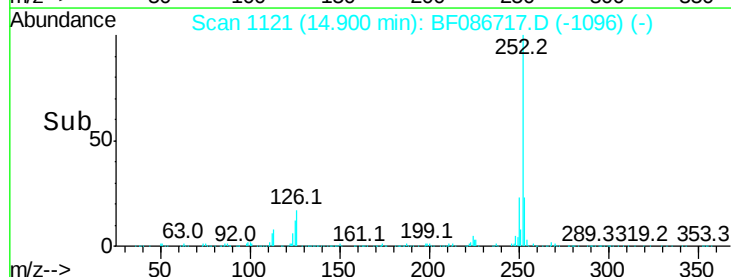
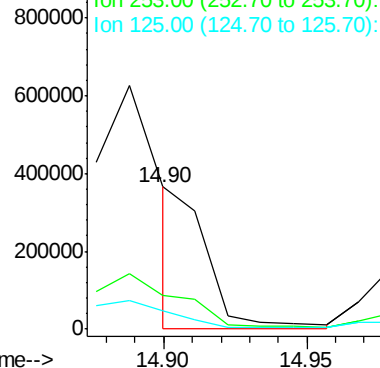
252 100

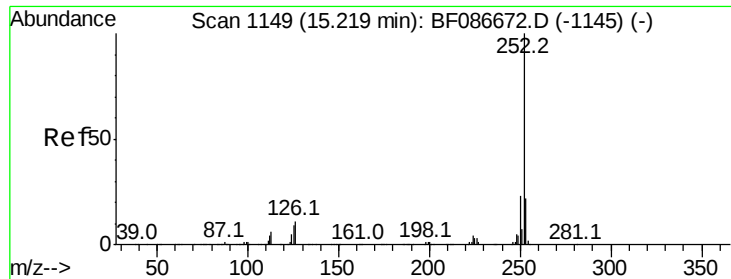
253 23.8 17.8 26.6

125 12.9 9.1 13.7



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





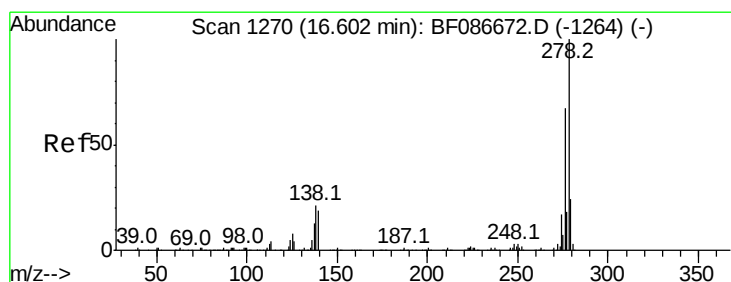
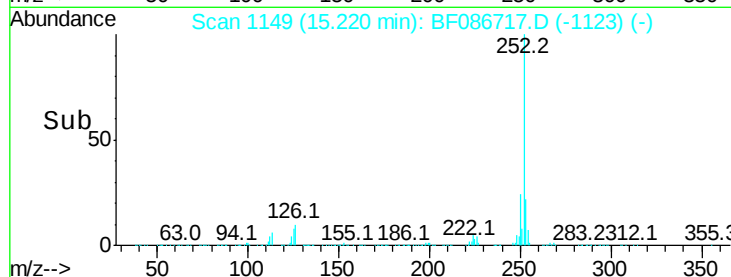
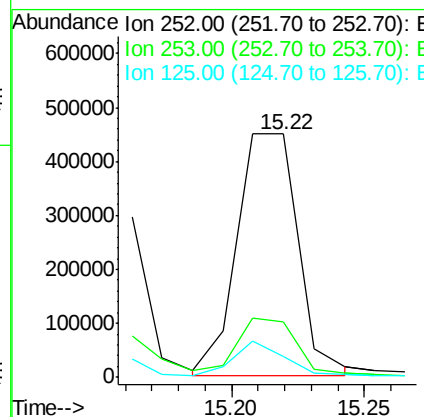
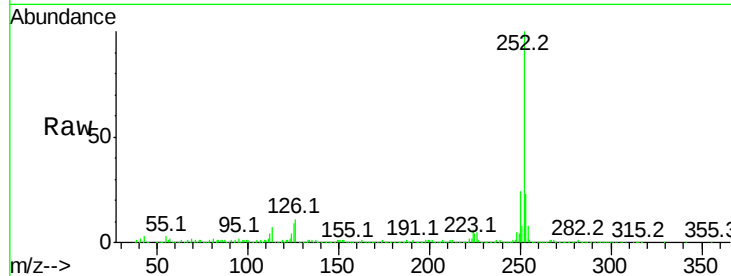
#89
Benzo(a)pyrene
Concen: 38.61 ng/ml
RT: 15.22 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF086717.D
Acq: 5 May 2016 20:48

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B3(5-9)-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	8.7	9.0	13.6

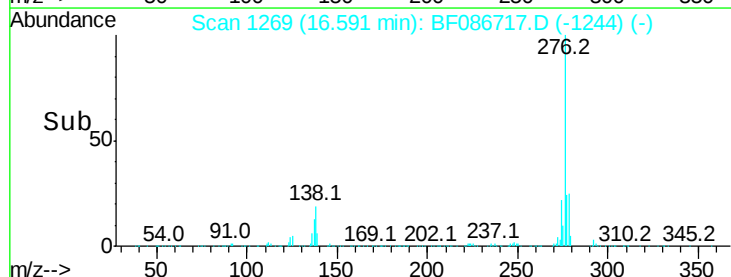
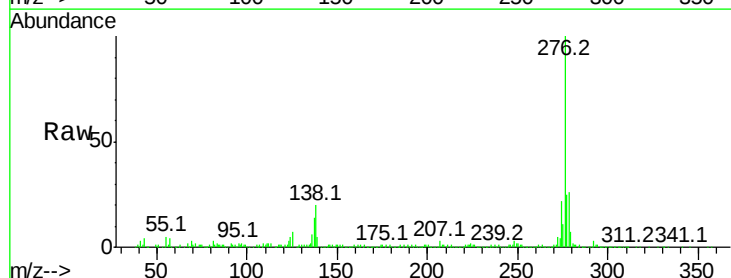
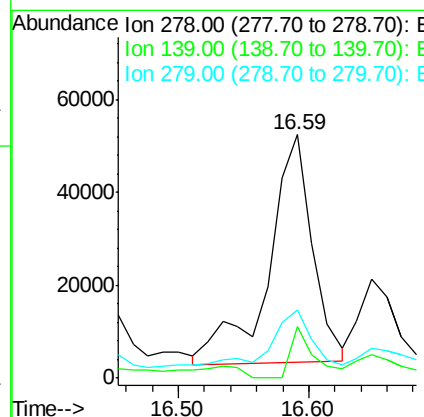
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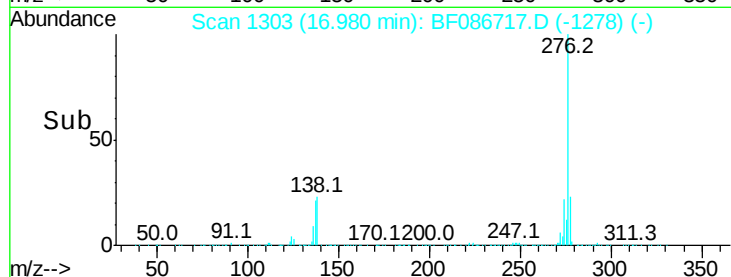
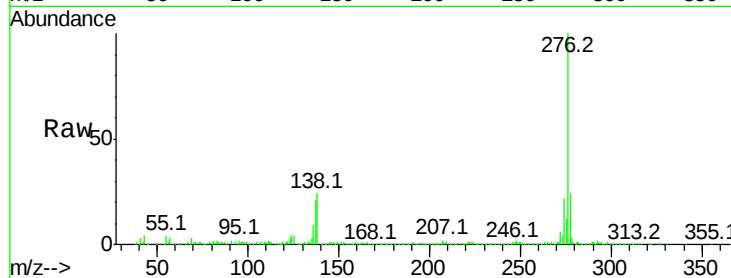
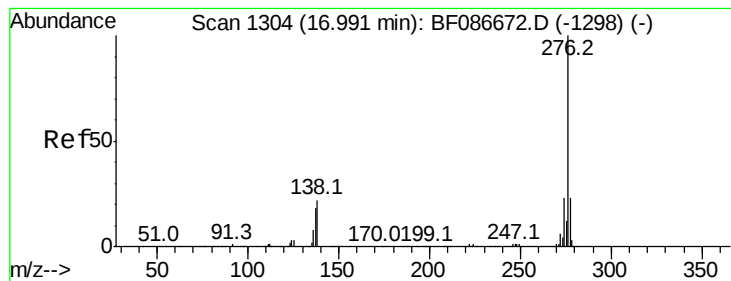
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#90
Dibenzo(a,h)anthracene
Concen: 6.57 ng/ml
RT: 16.59 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF086717.D
Acq: 5 May 2016 20:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.0	16.6	24.8
279	28.1	19.6	29.4





#91

Benzo(a,h,i)perylene

Concen: 23.43 ng

RT: 16.98 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF086717.D

Acq: 5 May 2016 20:48

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B3(5-9)-C

Tot Ion	Ratio	Resp	Lower	Upper
276	100	437321		
277	23.7		19.6	29.4
138	23.8		23.6	35.4

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