

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
 Data File : BF086716.D
 Acq On : 5 May 2016 20:19
 Operator : UM/SJ
 Sample : H2829-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: May 06 02:01:10 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	204042	40.00	ng	-0.01
21) Naphthalene-d8	8.01	136	752191	40.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	348977	40.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	570352	40.00	ng	-0.01
75) Chrysene-d12	13.87	240	364693	40.00	ng	-0.01
86) Perylene-d12	15.27	264	360563	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1019441	82.71	ng	0.00
7) Phenol-d6	6.37	99	1360600	81.95	ng	0.00
23) Nitrobenzene-d5	7.30	82	901021	61.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	277299	81.23	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1309443	61.51	ng	-0.01
78) Terphenyl-d14	12.83	244	846508	46.91	ng	-0.01
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	7.68	122	25025	2.11	ng	88
49) Dimethylphthalate	9.48	163	137886	5.30	ng	99
70) Phenanthrene	11.26	178	126567	4.13	ng	99
74) Fluoranthene	12.45	202	198187	6.46	ng	91
77) Pyrene	12.67	202	168600	5.80	ng	96
80) Benzo(a)anthracene	13.86	228	92694	4.49	ng	96
82) Chrysene	13.89	228	84714m	3.85	ng	
83) Bis(2-ethylhexyl)phthalate	13.87	149	48478	3.44	ng	96
85) Indeno(1,2,3-cd)pyrene	16.58	276	56086	2.97	ng	94
87) Benzo(b)fluoranthene	14.88	252	128169m	5.92	ng	
88) Benzo(k)fluoranthene	14.89	252	55786m	2.73	ng	
89) Benzo(a)pyrene	15.21	252	80623	4.04	ng	# 94
91) Benzo(a,h,i)perylene	16.97	276	57638	2.86	ng	97

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

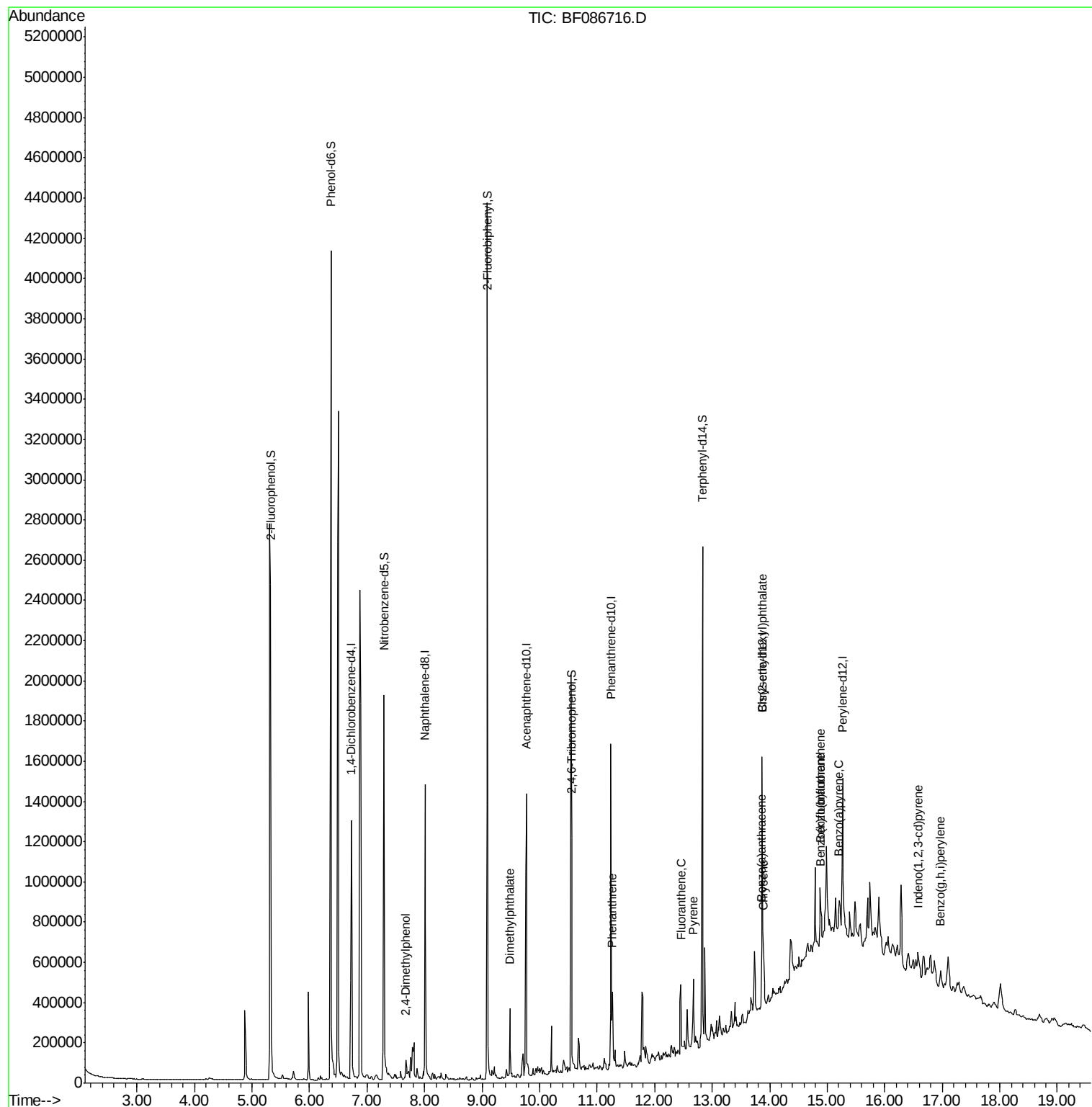
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
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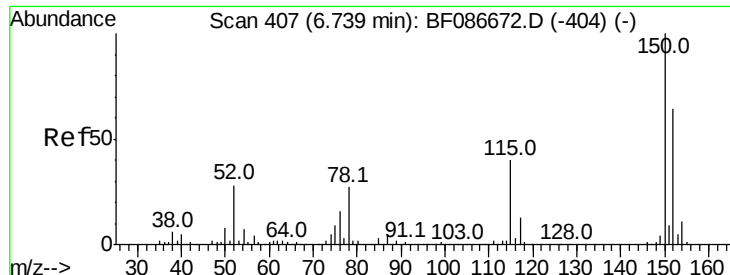
Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B3(0-5)-C

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
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#1

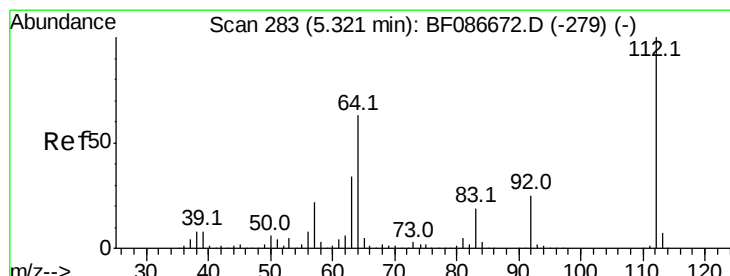
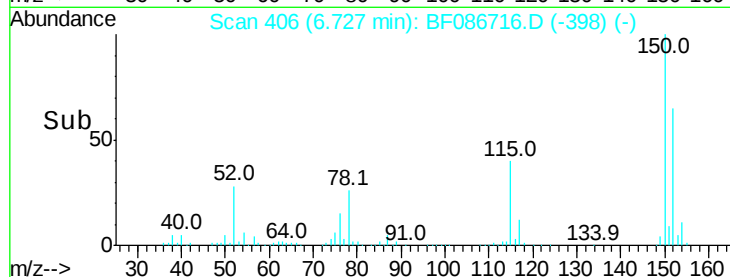
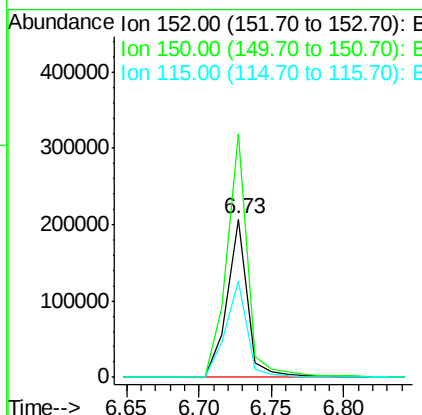
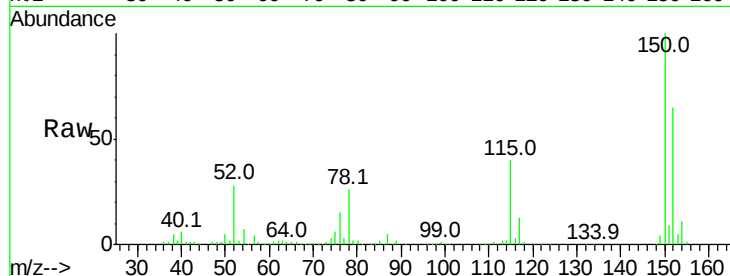
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF086716.D
Acq: 5 May 2016 20:19

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.8	188.6
115	60.9	51.5	77.3

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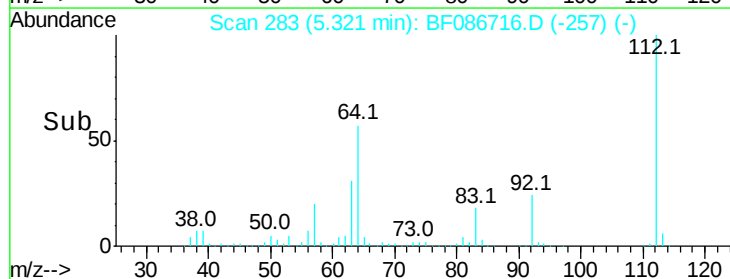
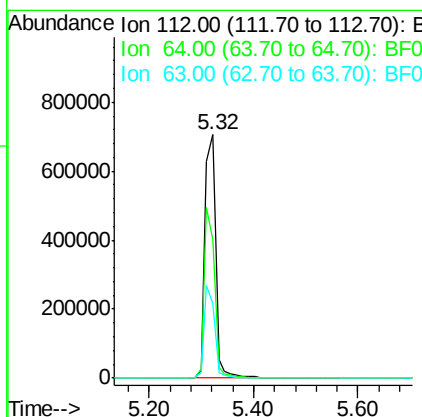
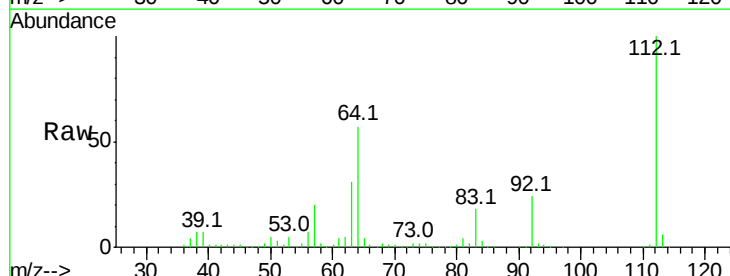
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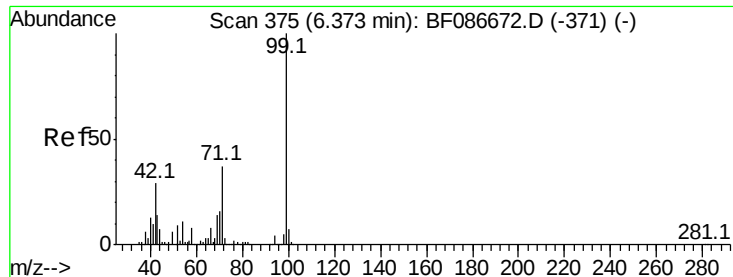


#5

2-Fluorophenol
Concen: 82.71 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.00 min
Lab File: BF086716.D
Acq: 5 May 2016 20:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	52.1	78.1
63	30.5	25.7	38.5





#7

Phenol-d6

Concen: 81.95 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086716.D

Acq: 5 May 2016 20:19

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion: 99 Resp: 1360600

Ion Ratio Lower Upper

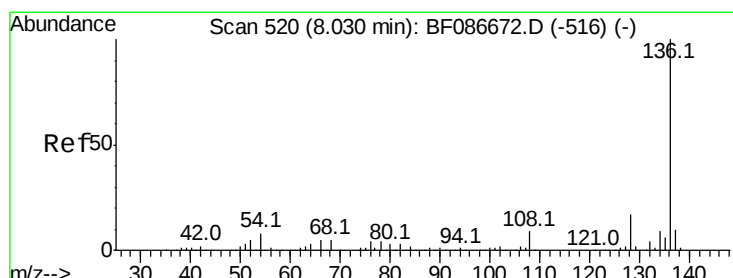
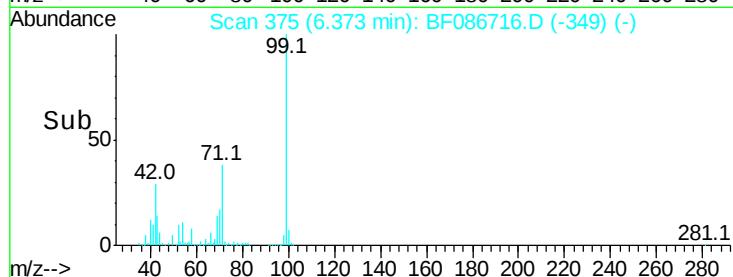
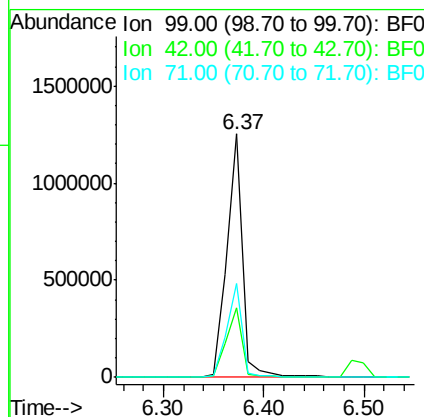
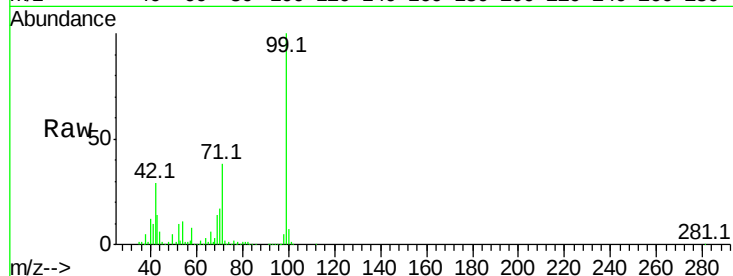
99 100

42 28.7 13.6 20.4#

71 38.5 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: BF086716.D

Acq: 5 May 2016 20:19

Tgt Ion: 136 Resp: 752191

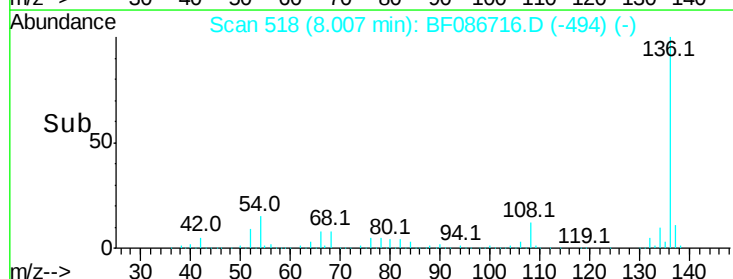
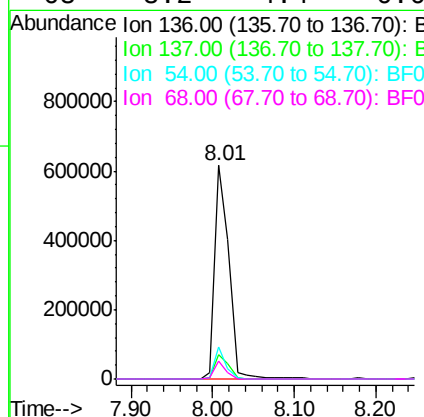
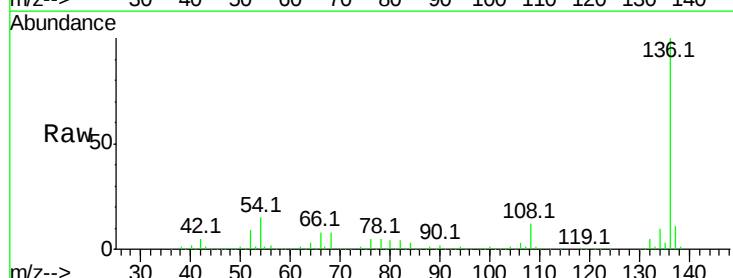
Ion Ratio Lower Upper

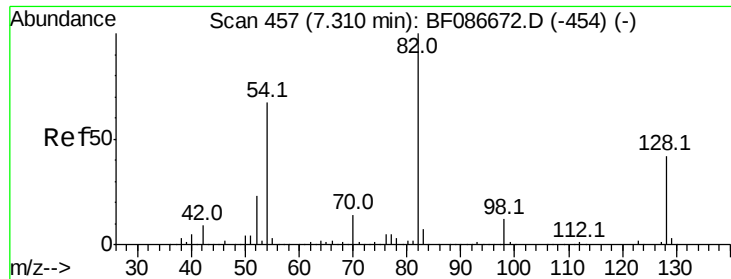
136 100

137 11.5 8.8 13.2

54 14.9 5.0 7.4#

68 8.2 4.4 6.6#





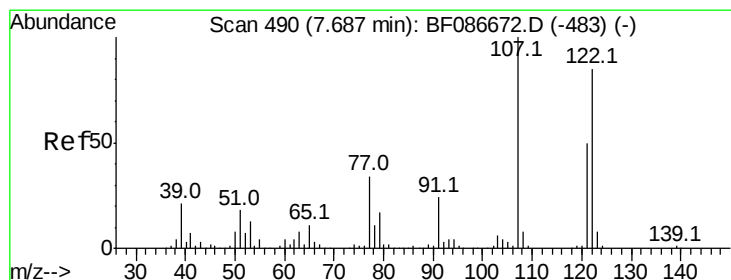
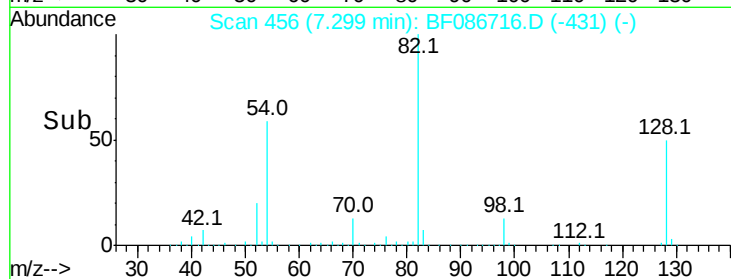
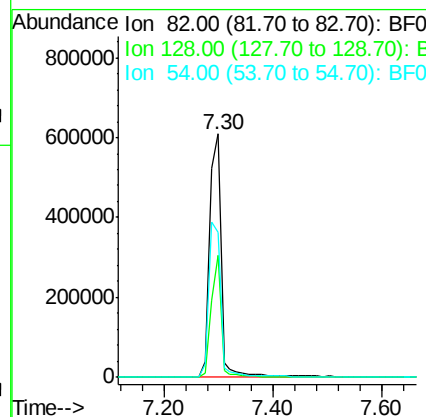
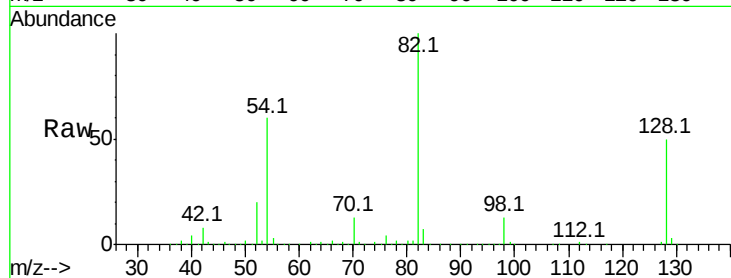
#23
 Nitrobenzene-d5
 Concen: 61.56 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF086716.D
 Acq: 5 May 2016 20:19

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	50.1	40.6	61.0	
54	59.5	38.1	57.1	

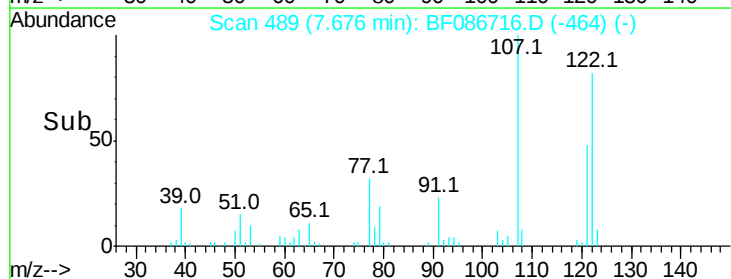
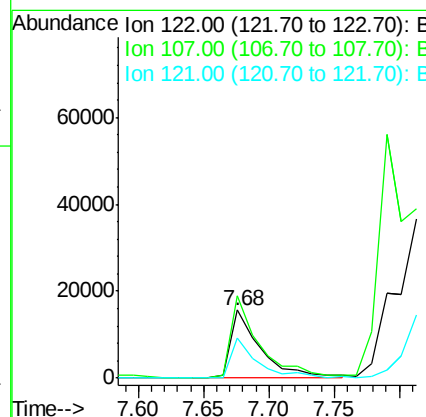
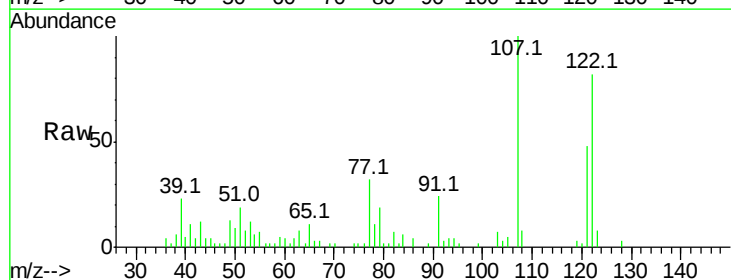
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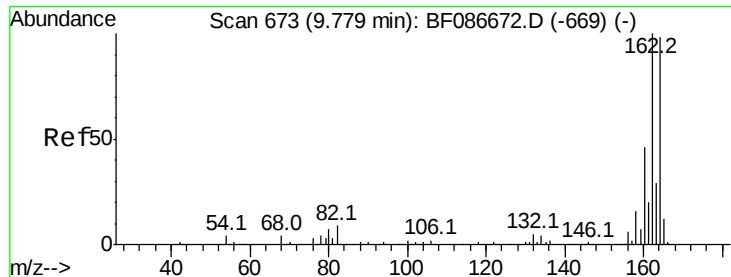
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#27
 2,4-Dimethylphenol
 Concen: 2.11 ng
 RT: 7.68 min Scan# 489
 Delta R.T. -0.01 min
 Lab File: BF086716.D
 Acq: 5 May 2016 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
107	121.8	82.0	123.0	
121	58.2	46.1	69.1	





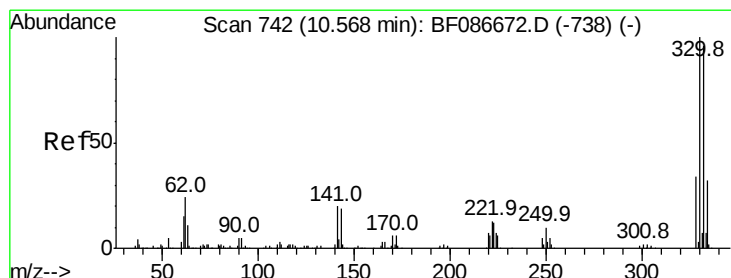
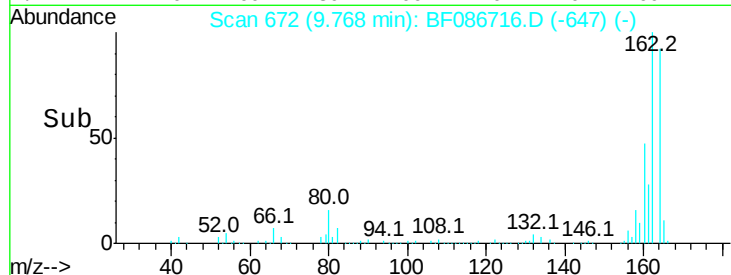
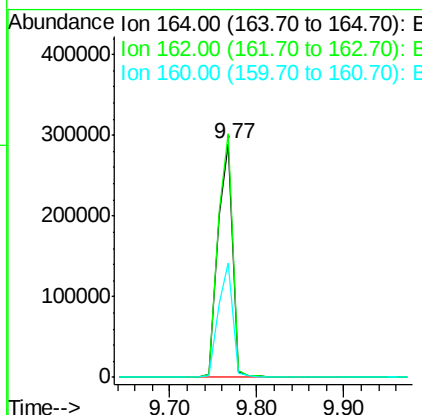
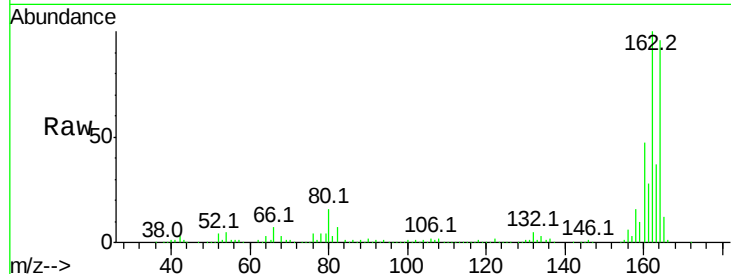
#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF086716.D
 Acq: 5 May 2016 20:19

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

Tot Ion:	164	Resp:	348977
Ion Ratio	Lower	Upper	
164	100		
162	104.1	82.8	124.2
160	48.9	36.9	55.3

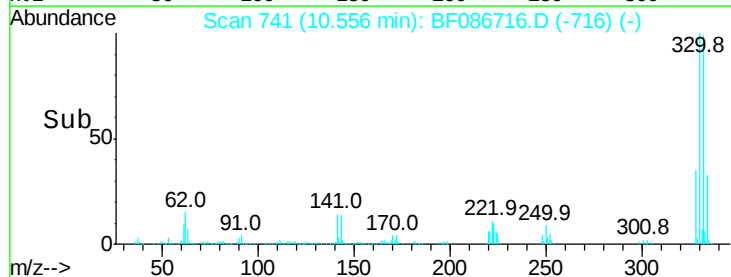
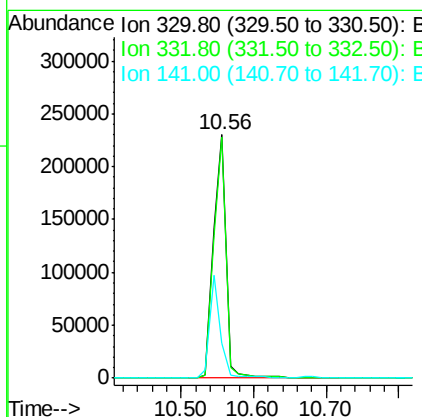
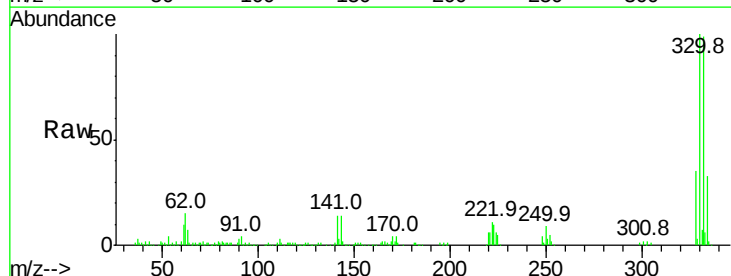
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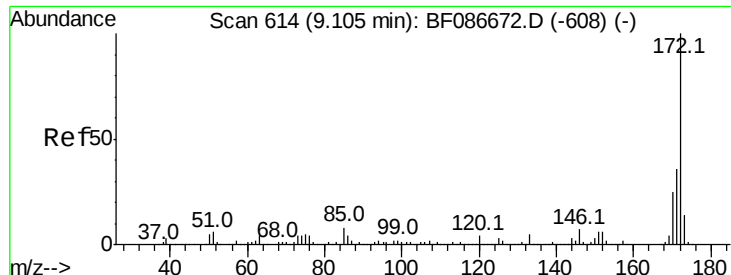
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#41
 2,4,6-Tribromophenol
 Concen: 81.23 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF086716.D
 Acq: 5 May 2016 20:19

Tgt Ion:	330	Resp:	277299
Ion Ratio	Lower	Upper	
330	100		
332	97.7	79.0	118.4
141	35.8	31.2	46.8





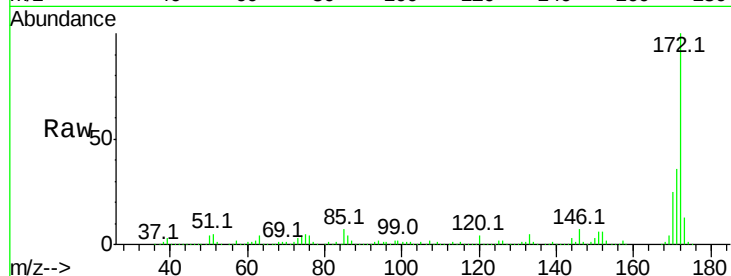
#44
2-Fluorobiphenyl
Concen: 61.51 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.01 min
Lab File: BF086716.D
Acq: 5 May 2016 20:19

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

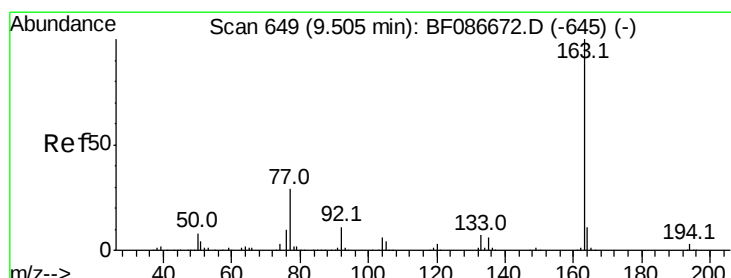
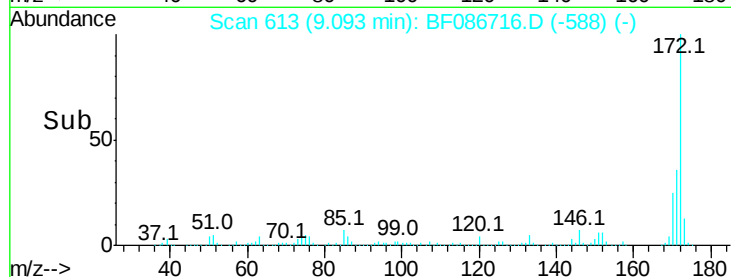
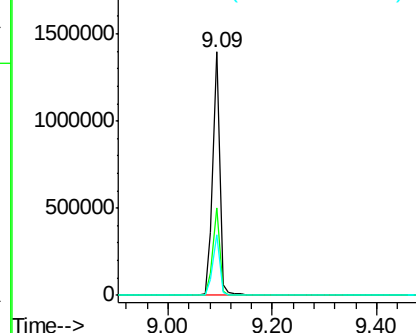
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.6
170	24.7	19.8	29.8

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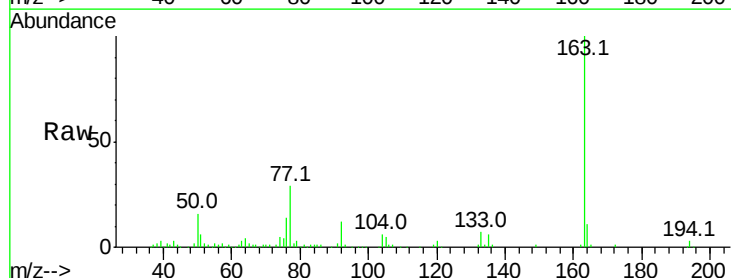


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

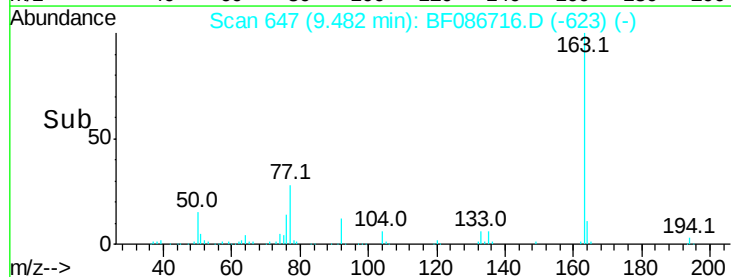
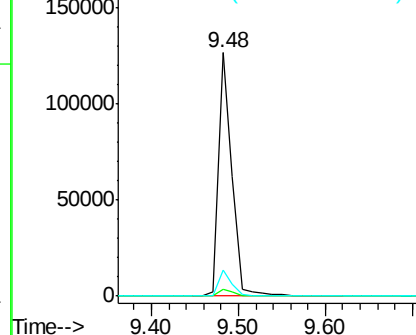


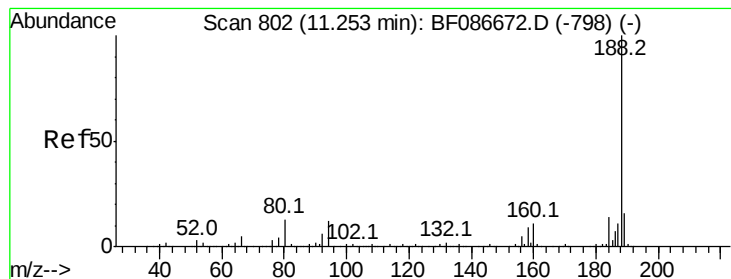
#49
Dimethylphthalate
Concen: 5.30 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF086716.D
Acq: 5 May 2016 20:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.7	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: BF086716.D

Acq: 5 May 2016 20:19

Instrument :

BNA_F

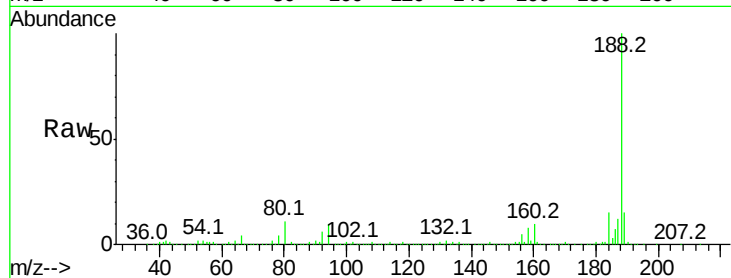
ClientSampleId :

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

Tot Ion:	188	Resp:	570352
Ion Ratio	Lower	Upper	
188	100		
94	10.3	6.8	10.2#
80	11.0	7.1	10.7#

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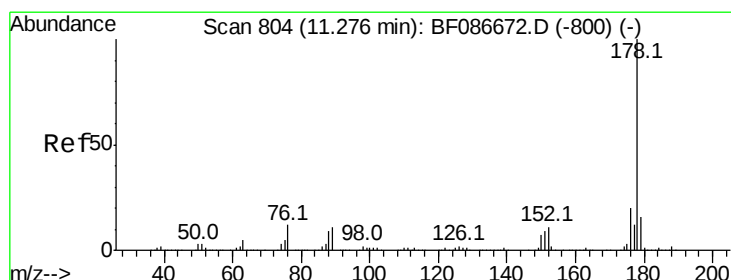
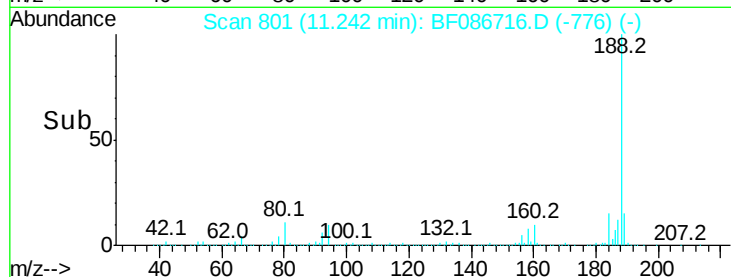
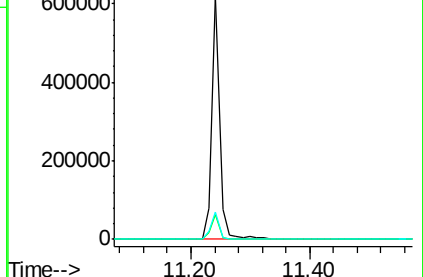
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 4.13 ng

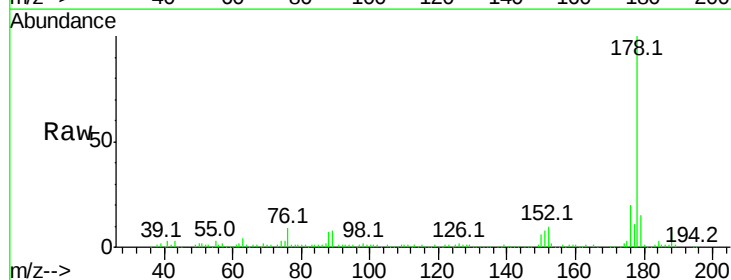
RT: 11.26 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF086716.D

Acq: 5 May 2016 20:19

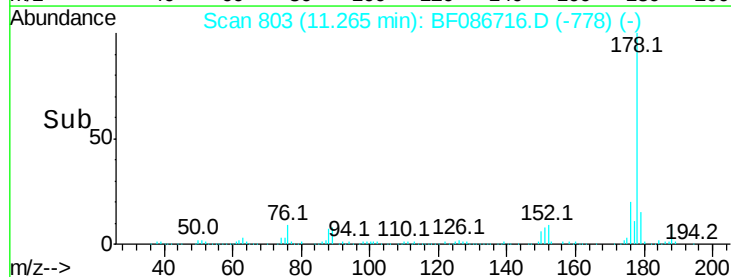
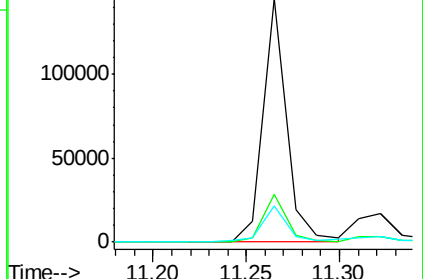
Tgt Ion:	178	Resp:	126567
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.0	24.0
179	14.8	12.6	18.8

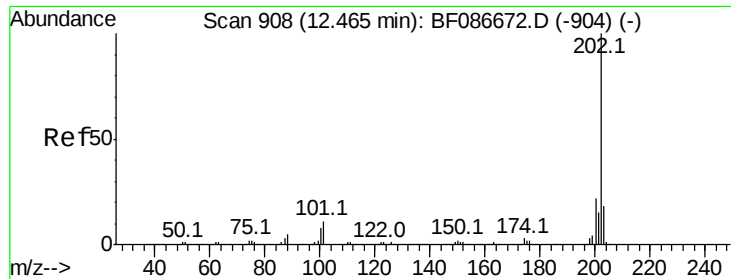


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.46 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF086716.D

Acq: 5 May 2016 20:19

Instrument :

BNA_F

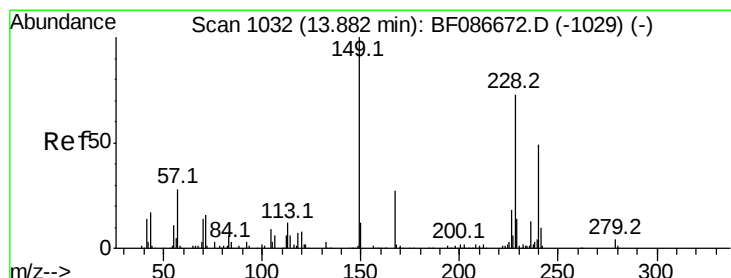
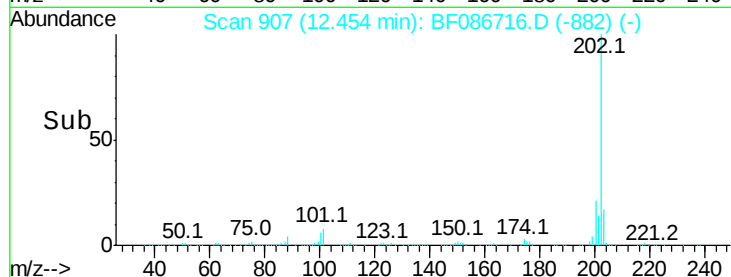
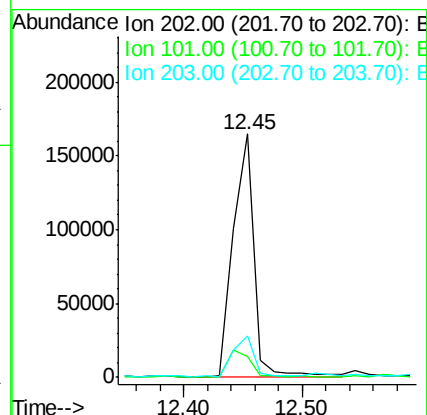
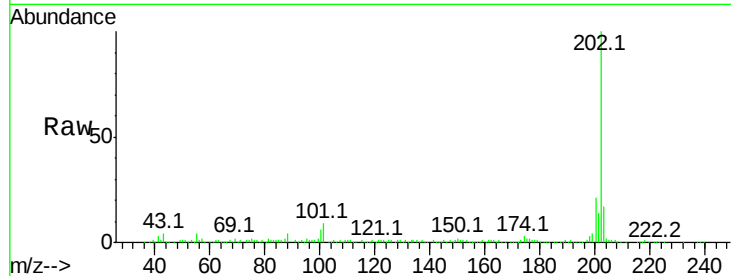
ClientSampleId :

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.6	0.0	35.4
203	17.1	0.0	38.1

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#75

Chrysene-d12

Concen: 40.00 ng

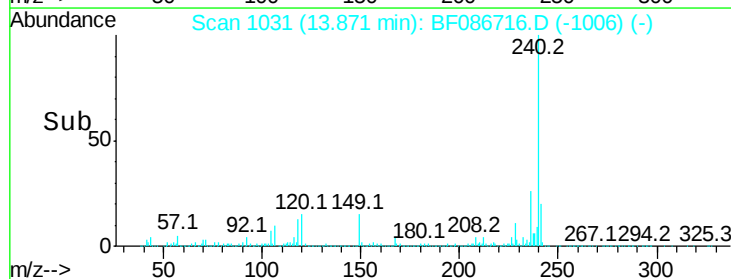
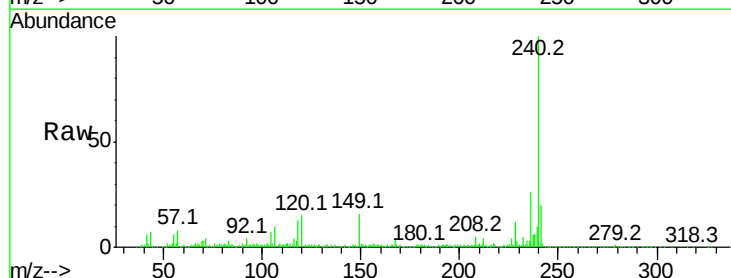
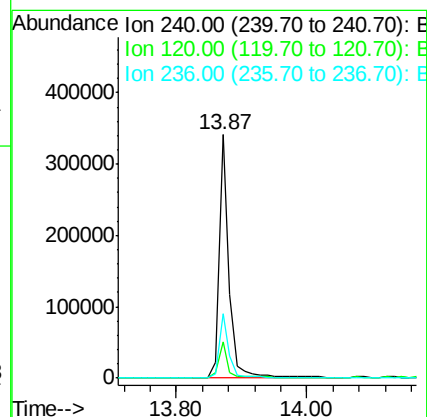
RT: 13.87 min Scan# 1031

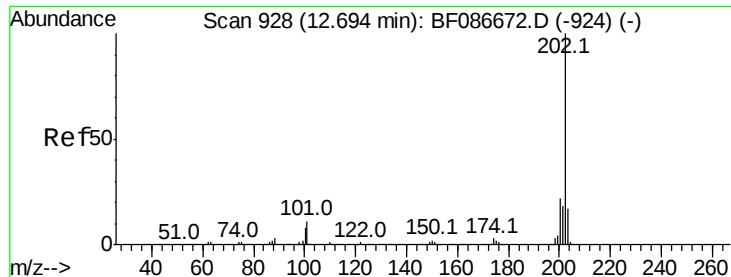
Delta R.T. -0.01 min

Lab File: BF086716.D

Acq: 5 May 2016 20:19

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.1	11.2	16.8
236	26.2	21.2	31.8





#77

Pvrene

Concen: 5.80 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF086716.D

Acq: 5 May 2016 20:19

Instrument :

BNA_F

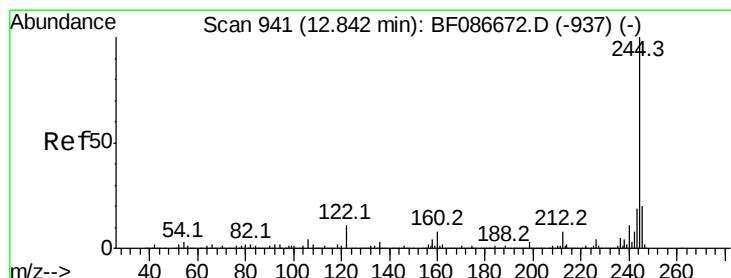
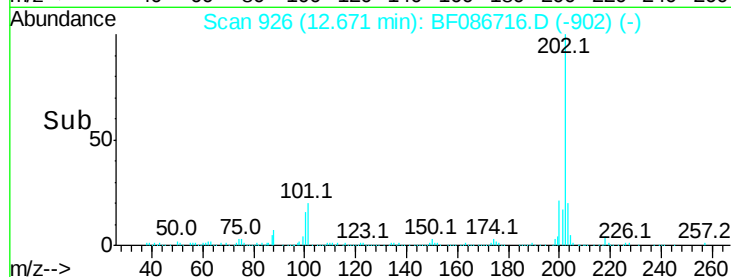
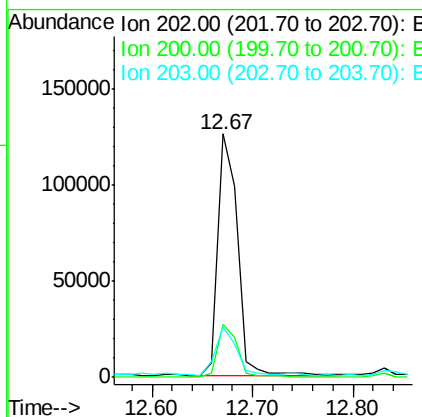
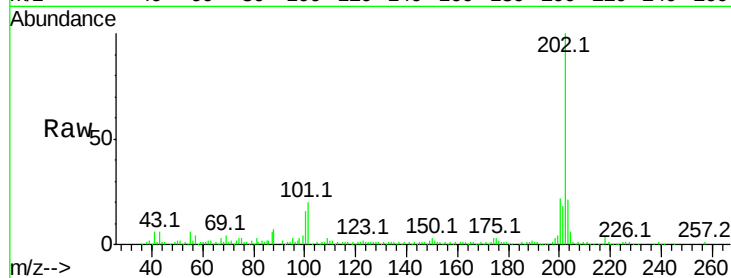
ClientSampleId :

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

Tot Ion:	202	Resp:	168600
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.7	26.5
203	20.8	14.2	21.4

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#78

Terphenyl-d14

Concen: 46.91 ng

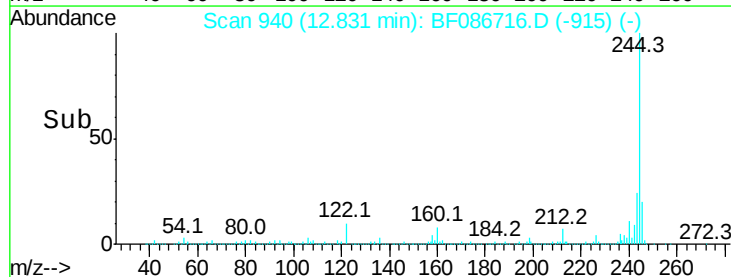
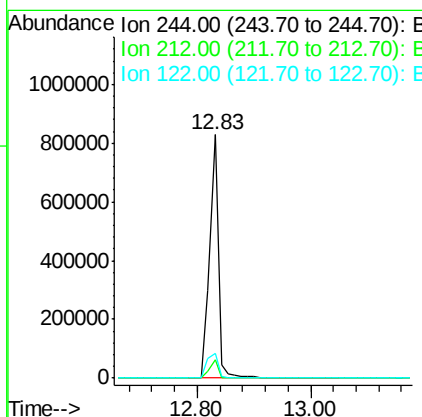
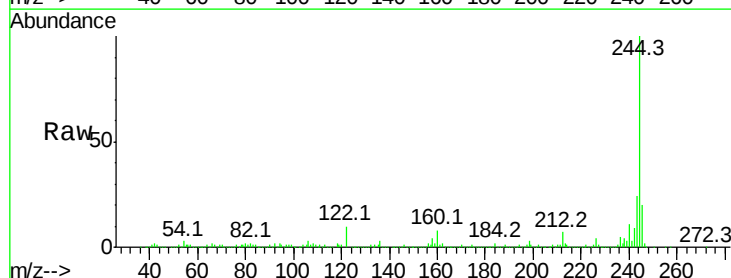
RT: 12.83 min Scan# 940

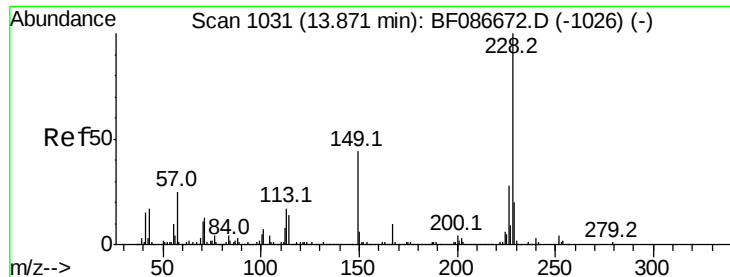
Delta R.T. -0.01 min

Lab File: BF086716.D

Acq: 5 May 2016 20:19

Tgt Ion:	244	Resp:	846508
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.2	9.2
122	10.1	12.0	18.0#





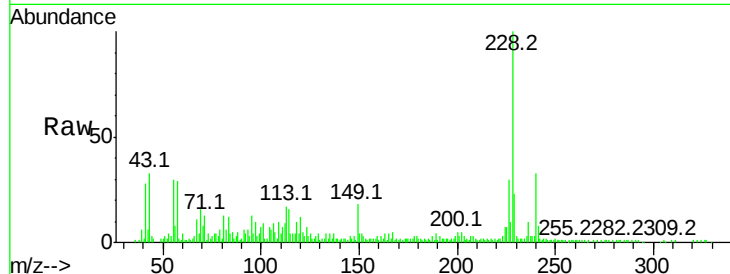
#80
Benzo(a)anthracene
Concen: 4.49 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF086716.D
Acq: 5 May 2016 20:19

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

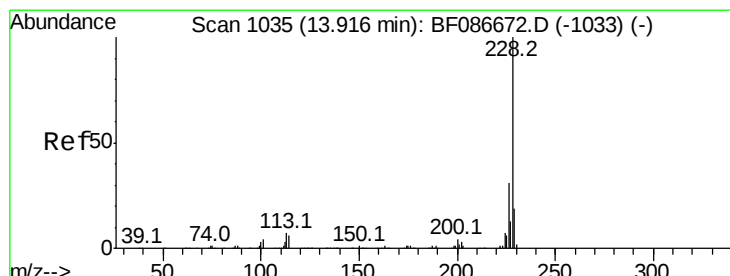
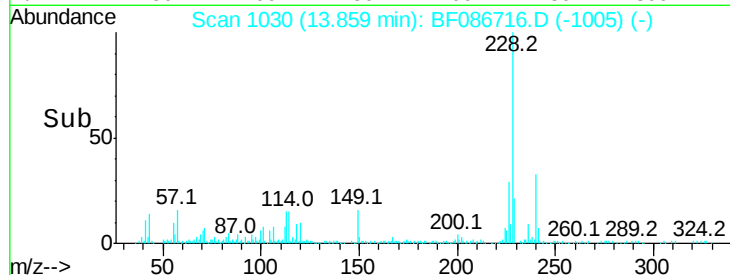
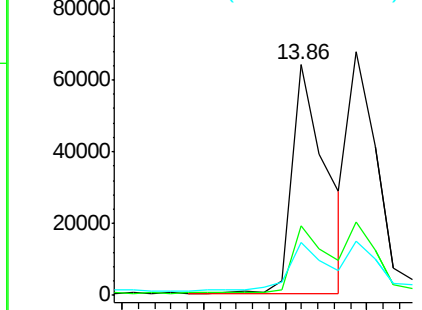
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.5	33.7
229	22.8	16.6	25.0

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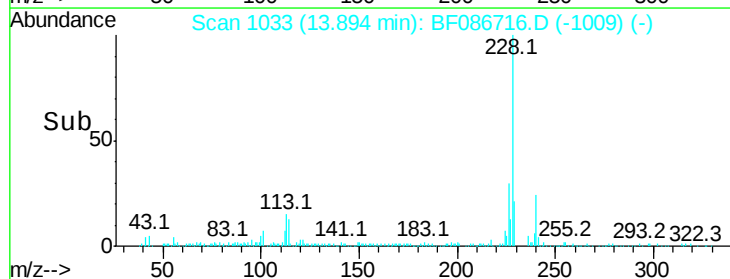
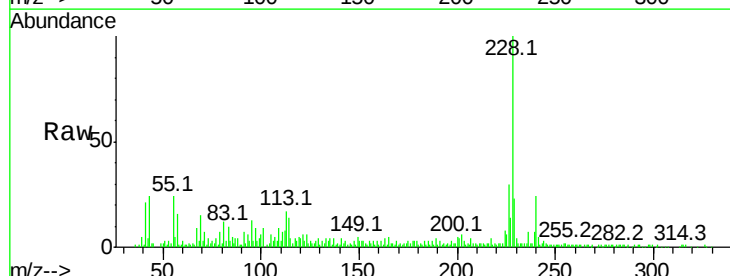
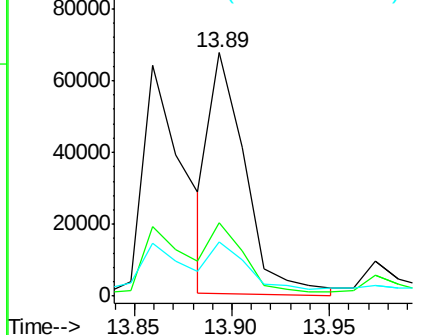
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

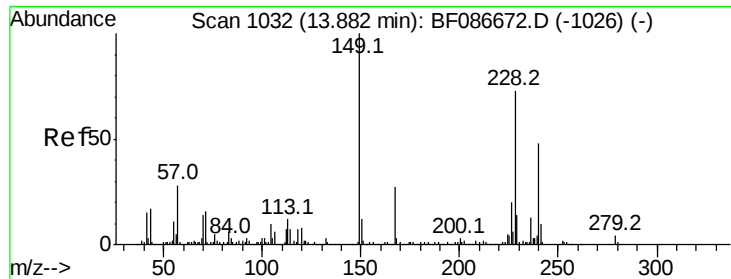


#82
Chrysene
Concen: 3.85 ng m
RT: 13.89 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF086716.D
Acq: 5 May 2016 20:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6
229	22.5	15.8	23.8

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





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.44 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF086716.D

Acq: 5 May 2016 20:19

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion:149 Resp: 48478

Ion Ratio Lower Upper

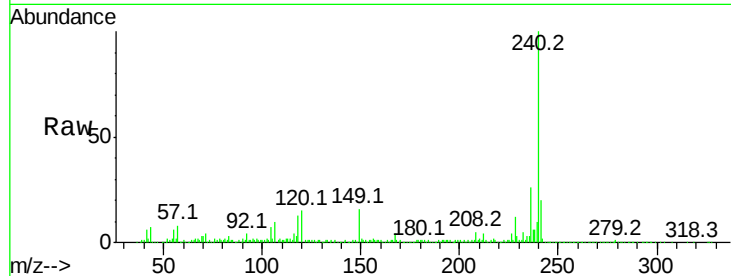
149 100

167 25.1 21.8 32.6

279 3.6 2.6 4.0

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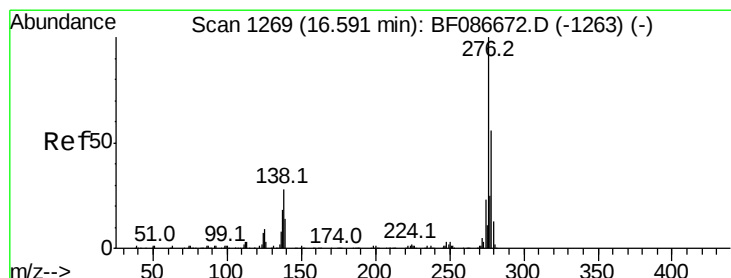
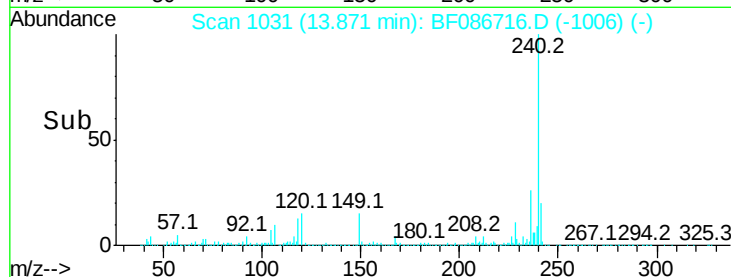
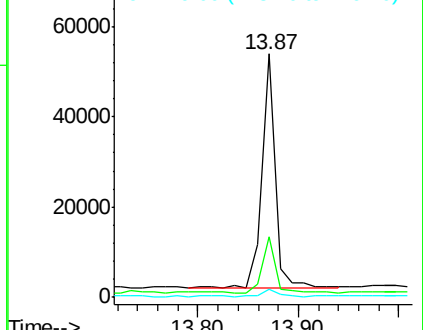
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.97 ng

RT: 16.58 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF086716.D

Acq: 5 May 2016 20:19

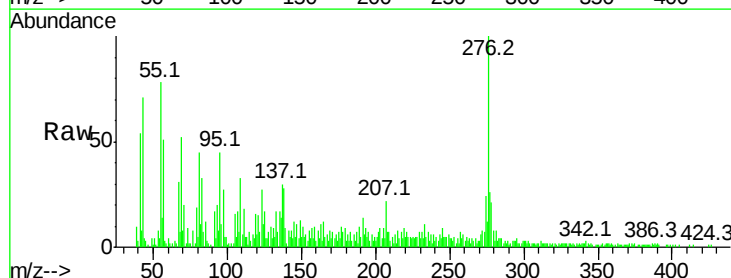
Tgt Ion:276 Resp: 56086

Ion Ratio Lower Upper

276 100

138 25.8 25.6 38.4

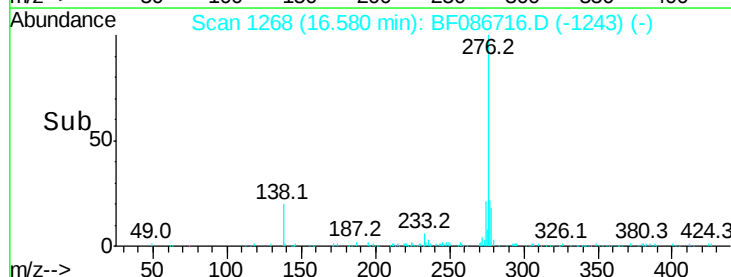
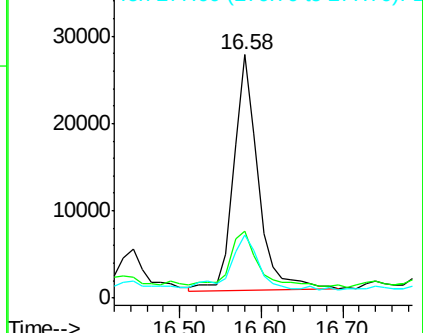
277 25.4 20.5 30.7

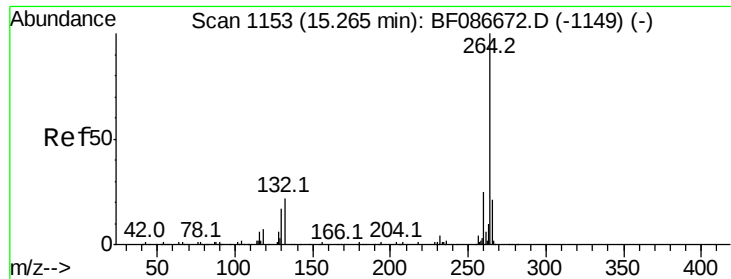


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





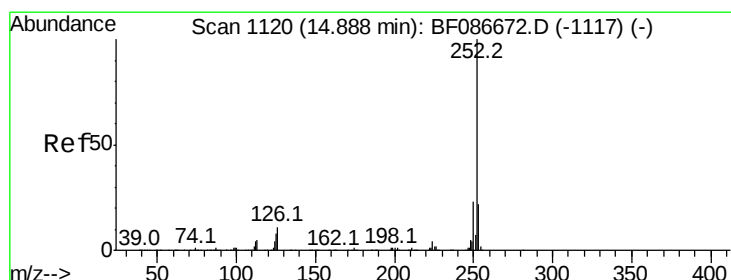
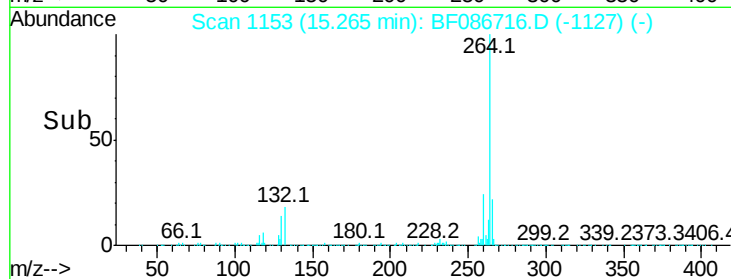
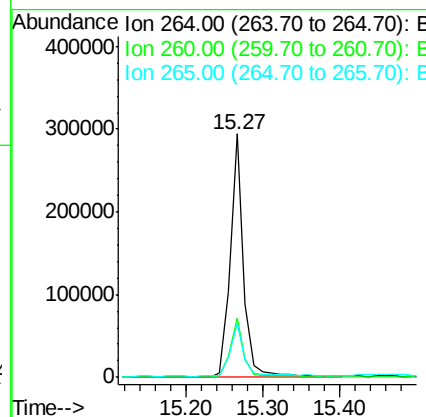
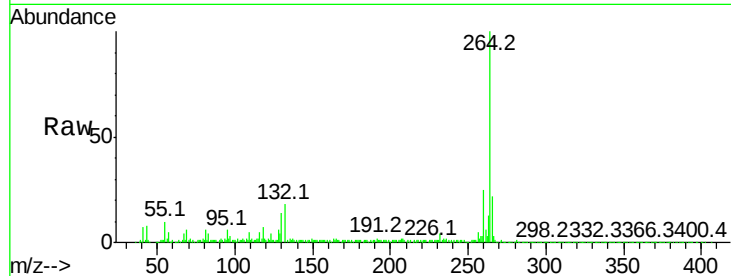
#86
Pervlene-d12
Concen: 40.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF086716.D
Acq: 5 May 2016 20:19

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

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.6	19.5	29.3	
265	22.2	17.3	25.9	

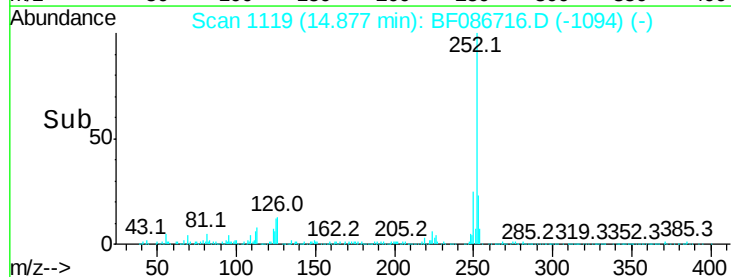
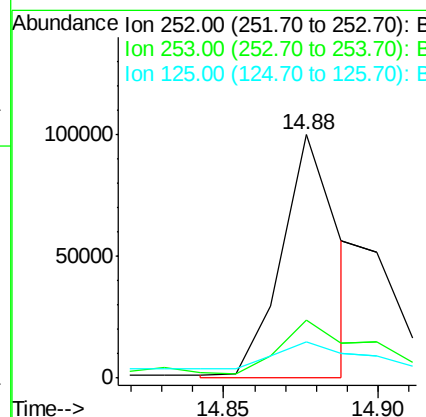
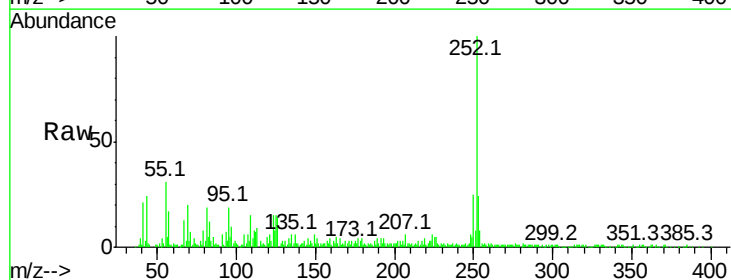
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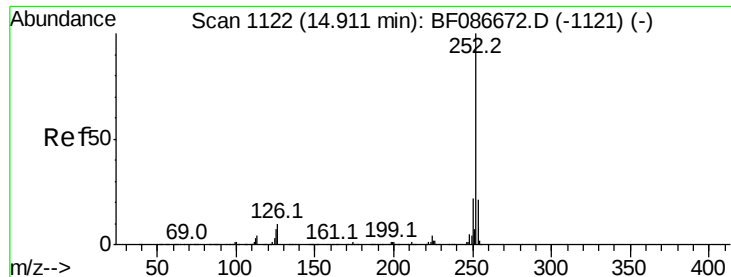
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#87
Benzo(b)fluoranthene
Concen: 5.92 ng m
RT: 14.88 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF086716.D
Acq: 5 May 2016 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.9	17.8	26.6	
125	15.0	11.4	17.0	





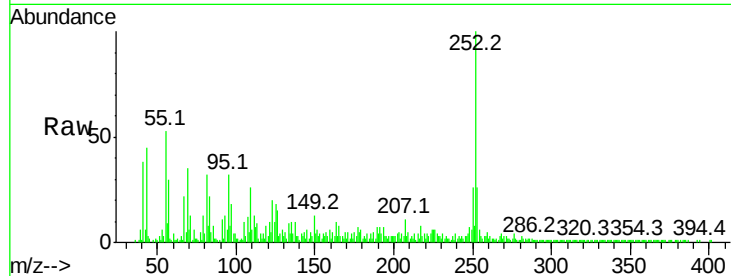
#88
Benzo(k)fluoranthene
Concen: 2.73 ng/ml
RT: 14.89 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF086716.D
Acq: 5 May 2016 20:19

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

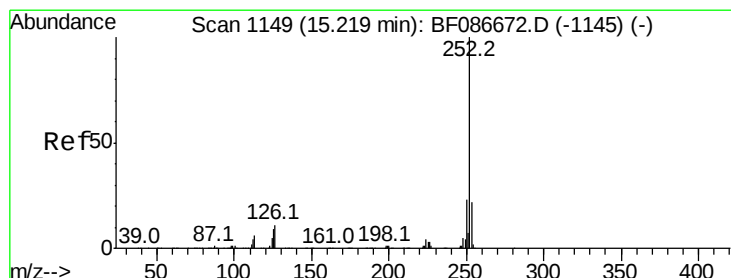
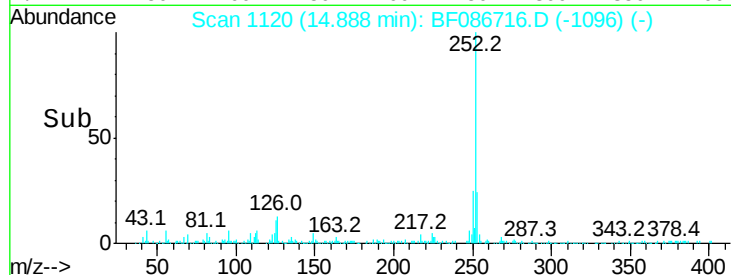
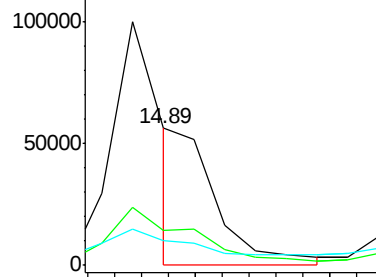
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.8	26.6
125	18.2	9.1	13.7

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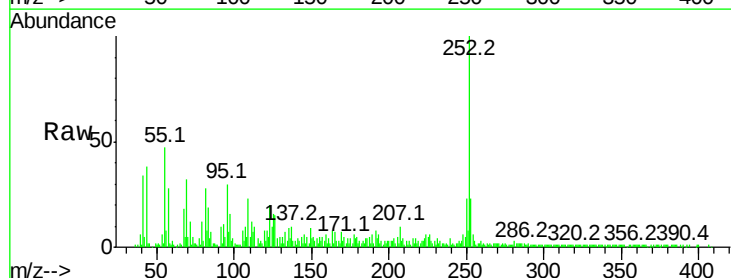


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

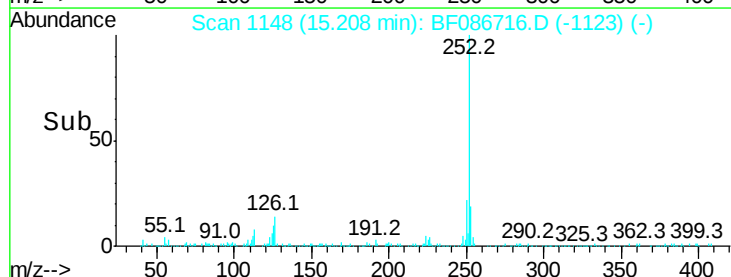
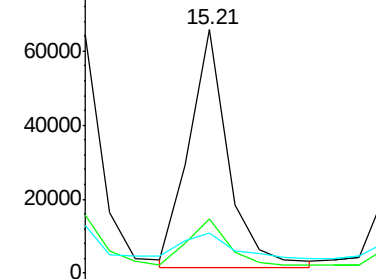


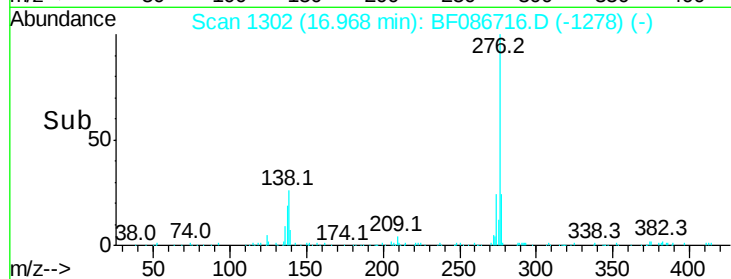
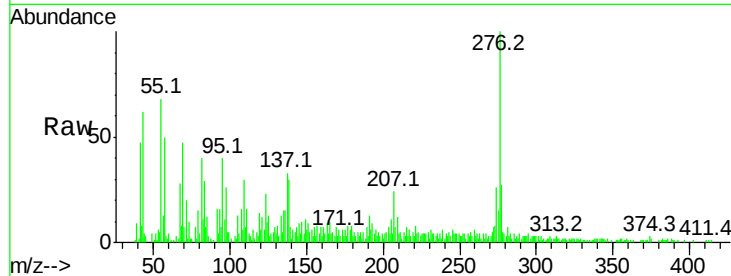
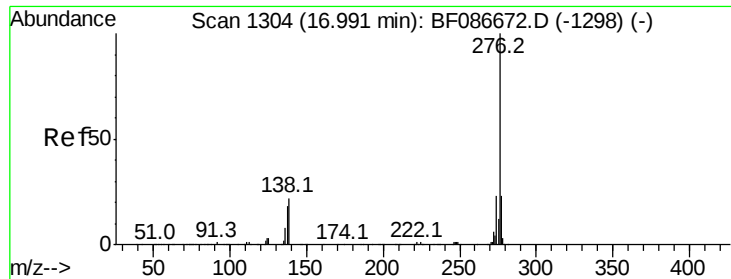
#89
Benzo(a)pyrene
Concen: 4.04 ng/ml
RT: 15.21 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF086716.D
Acq: 5 May 2016 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	16.2	9.0	13.6



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





#91

Benzo(a,h,i)perylene

Concen: 2.86 ng

RT: 16.97 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF086716.D

Acq: 5 May 2016 20:19

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion:276 Resp: 57638

Ion Ratio Lower Upper

276 100

277 26.5 19.6 29.4

138 30.1 23.6 35.4

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