

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086429.D
 Acq On : 27 Apr 2016 17:39
 Operator : UM/SJ
 Sample : H2640-23DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B17(0-6)-CDL

Manual Integrations
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Quant Time: Apr 27 18:30:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	115605	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	513359	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	229375	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	387817	20.00	ng	0.00
75) Chrysene-d12	13.95	240	257826	20.00	ng	-0.01
86) Perylene-d12	15.37	264	271366	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	267348	39.89	ng	0.00
7) Phenol-d6	6.43	99	383476	41.00	ng	-0.01
23) Nitrobenzene-d5	7.37	82	221262	23.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	77054	31.85	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	390759	22.32	ng	-0.01
78) Terphenyl-d14	12.91	244	270867	23.15	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	42877	2.48	ng	99
51) Acenaphthene	9.87	154	59991	4.10	ng	98
54) Dibenzofuran	10.04	168	61087	3.34	ng	# 95
57) Fluorene	10.38	166	97103	6.11	ng	99
70) Phenanthrene	11.34	178	744804	36.60	ng	99
71) Anthracene	11.40	178	238282	10.97	ng	98
72) Carbazole	11.55	167	64532	3.35	ng	95
74) Fluoranthene	12.53	202	603375	29.37	ng	99
77) Pyrene	12.76	202	577769	31.10	ng	99
80) Benzo(a)anthracene	13.94	228	217836	15.85	ng	99
82) Chrysene	13.97	228	192066m	12.85	ng	
85) Indeno(1,2,3-cd)pyrene	16.72	276	85012	7.68	ng	95
87) Benzo(b)fluoranthene	14.97	252	213906m	13.40	ng	
88) Benzo(k)fluoranthene	14.98	252	82452m	4.95	ng	
89) Benzo(a)pyrene	15.30	252	172803	11.47	ng	# 94
91) Benzo(g,h,i)perylene	17.12	276	78904	6.38	ng	98

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

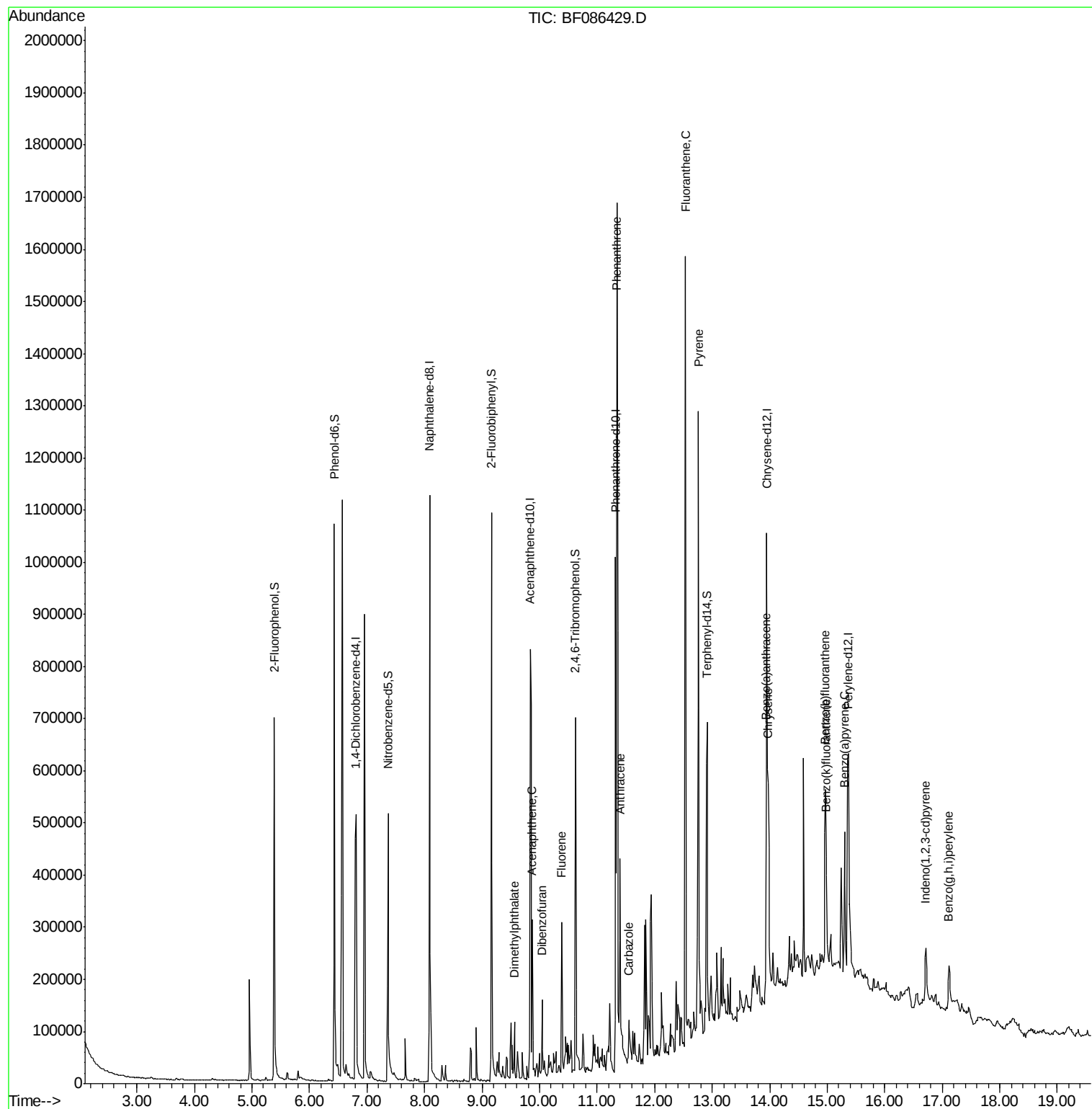
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
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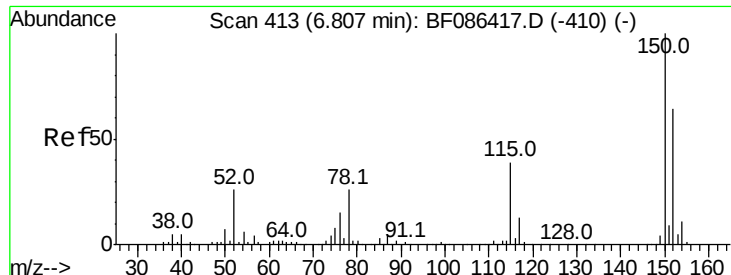
Instrument :
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WPG-B17(0-6)-CDL

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Quant Time: Apr 27 18:30:43 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

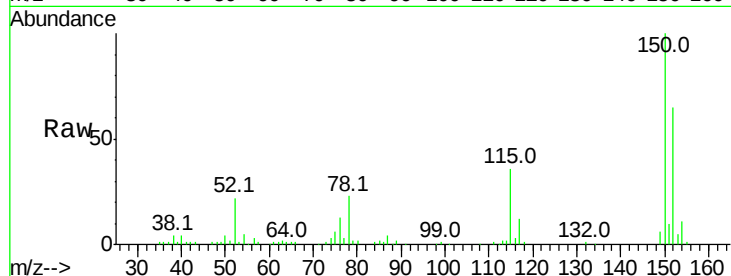
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF086429.D
Acq: 27 Apr 2016 17:39

Instrument :
BNA_F
ClientSampleId :
WPG-B17(0-6)-CDL

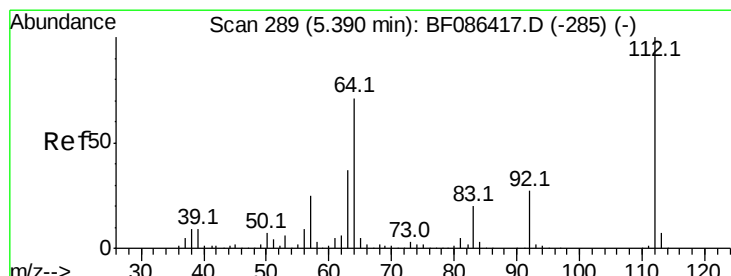
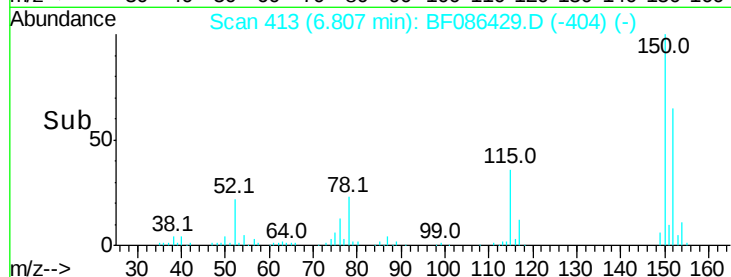
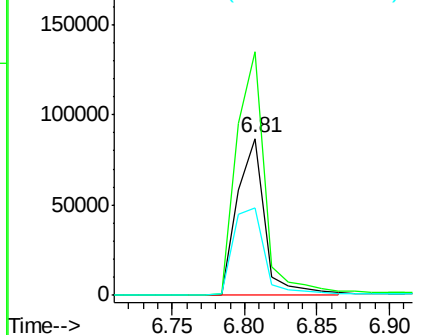
Tot Ion	Ratio	Resp	Lower	Upper
152	100	115605		
150	154.9	125.8	188.6	
115	56.0	51.5	77.3	

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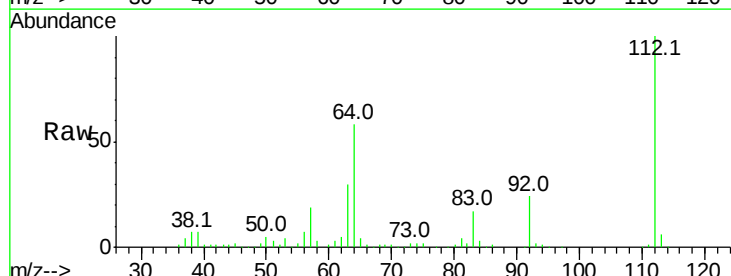
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



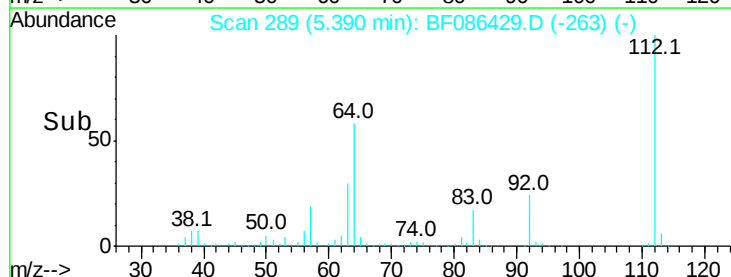
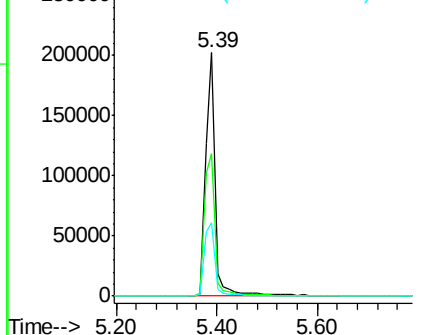
#5

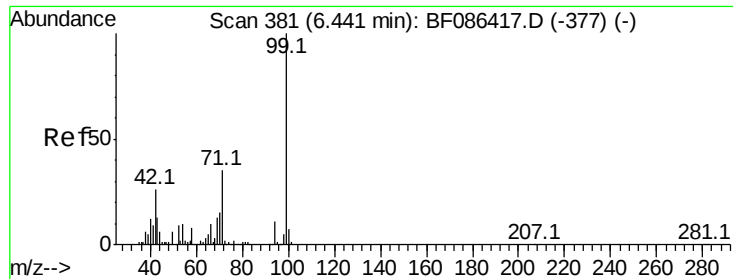
2-Fluorophenol
Concen: 39.89 ng
RT: 5.39 min Scan# 289
Delta R.T. 0.00 min
Lab File: BF086429.D
Acq: 27 Apr 2016 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	267348		
64	58.4	52.1	78.1	
63	30.1	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: 41.00 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086429.D

Acq: 27 Apr 2016 17:39

Instrument :

BNA_F

ClientSampleId :

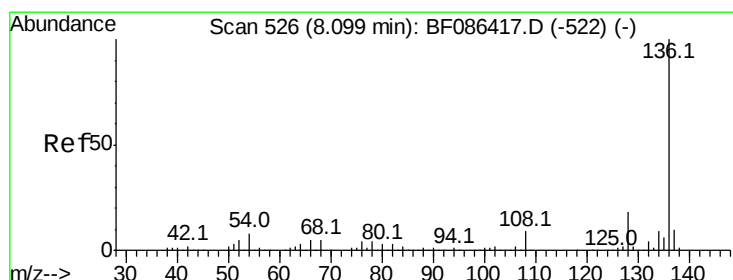
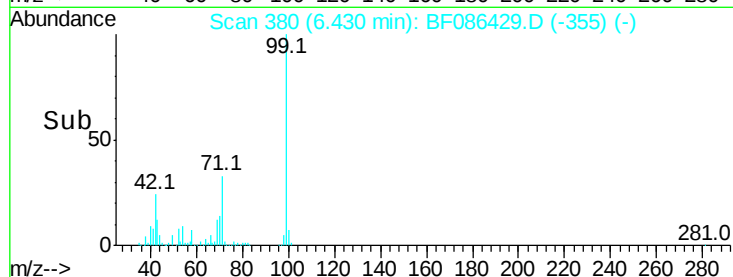
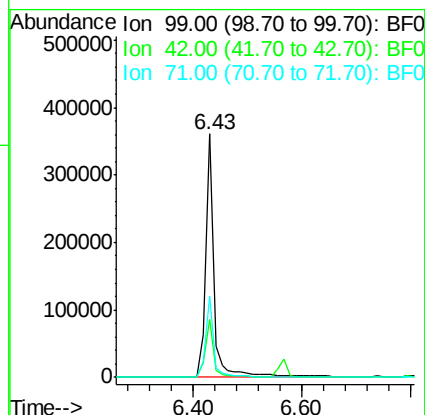
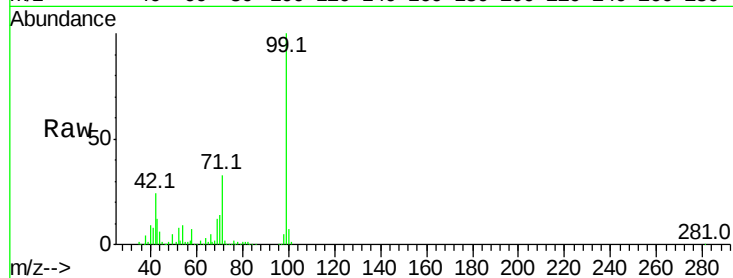
WPG-B17(0-6)-CDL

Tot Ion: 99 Resp: 383476

Ion	Ratio	Lower	Upper
99	100		
42	23.7	13.6	20.4#
71	33.1	24.6	36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

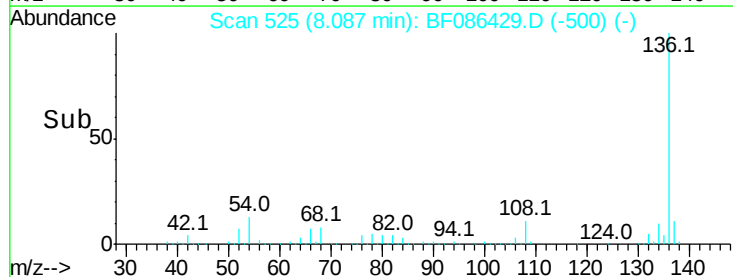
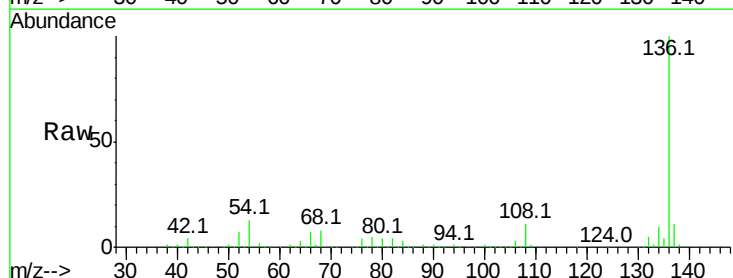
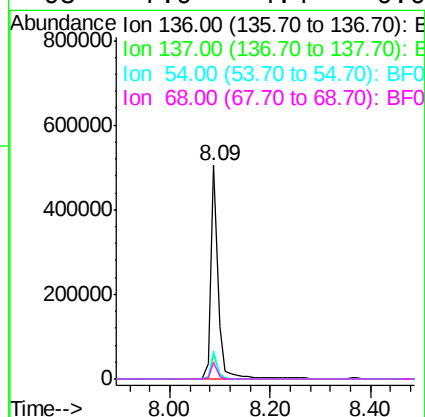
Delta R.T. -0.01 min

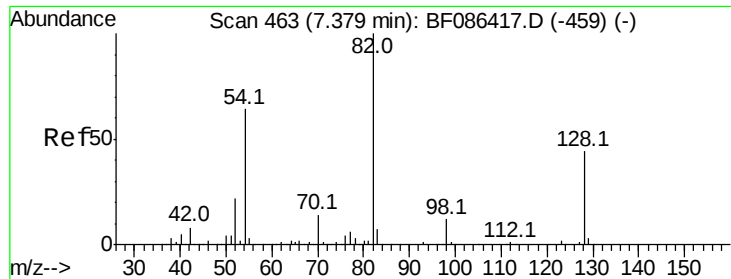
Lab File: BF086429.D

Acq: 27 Apr 2016 17:39

Tgt Ion: 136 Resp: 513359

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	13.1	5.0	7.4#
68	7.9	4.4	6.6#





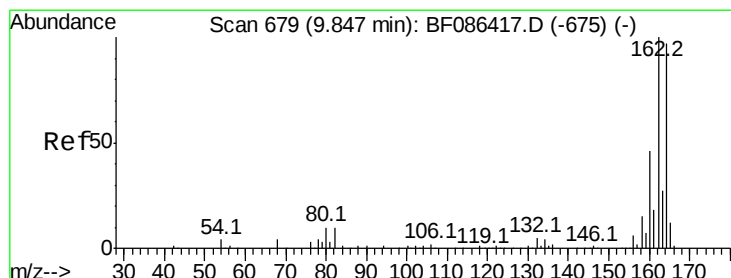
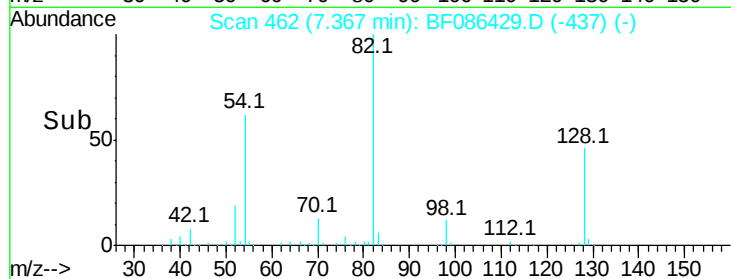
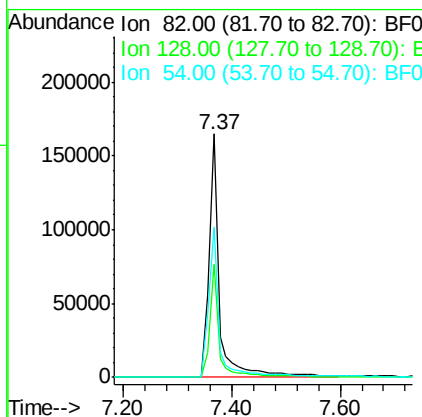
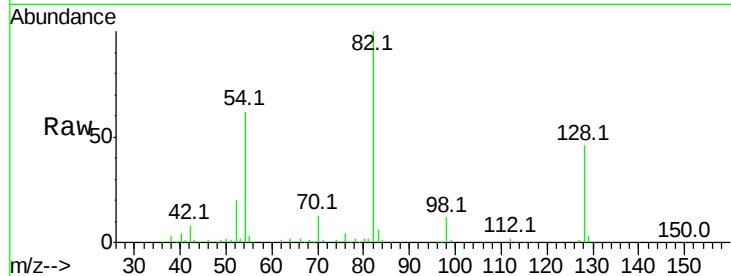
#23
 Nitrobenzene-d5
 Concen: 23.23 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF086429.D
 Acq: 27 Apr 2016 17:39

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B17(0-6)-CDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	40.6	61.0
54	61.6	38.1	57.1#

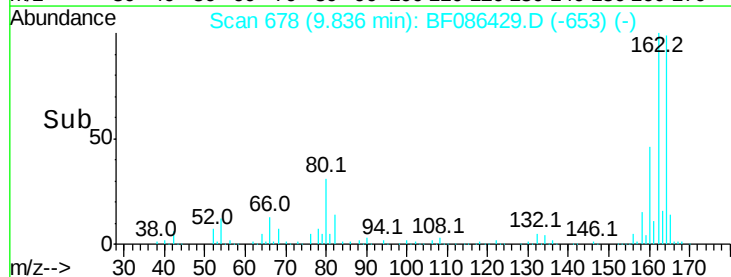
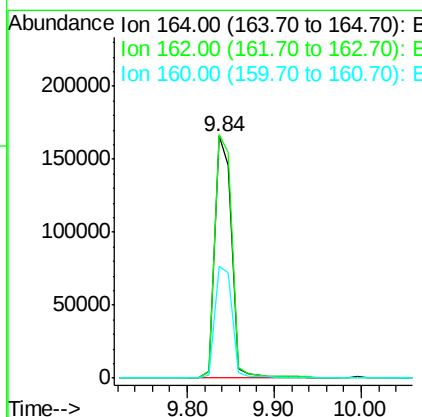
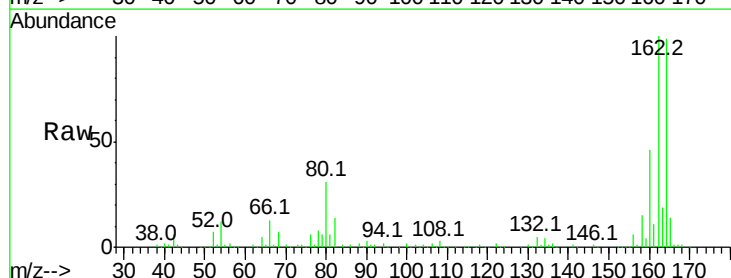
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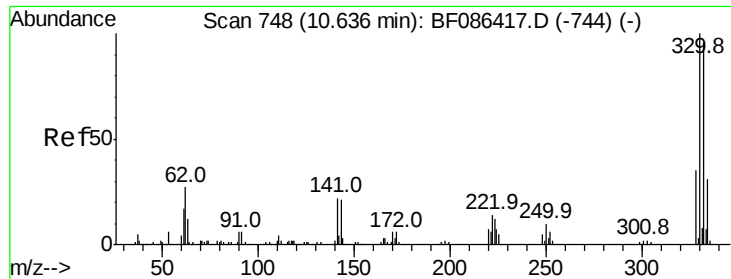
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: BF086429.D
 Acq: 27 Apr 2016 17:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.8	124.2
160	46.1	36.9	55.3





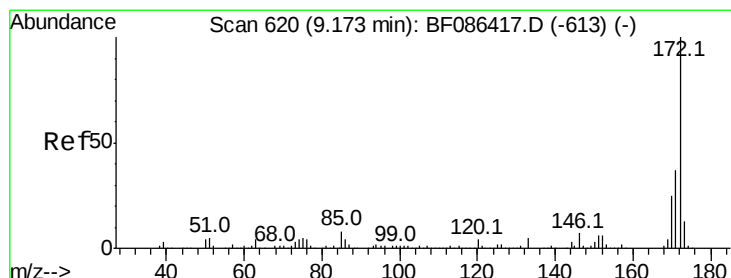
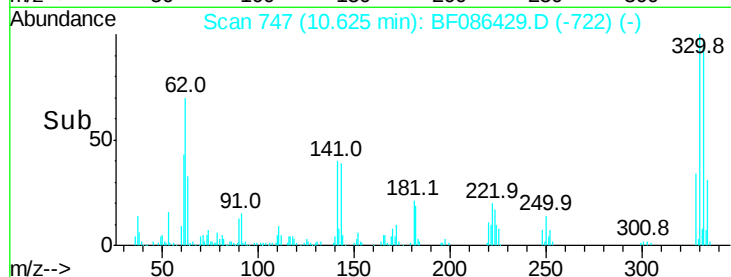
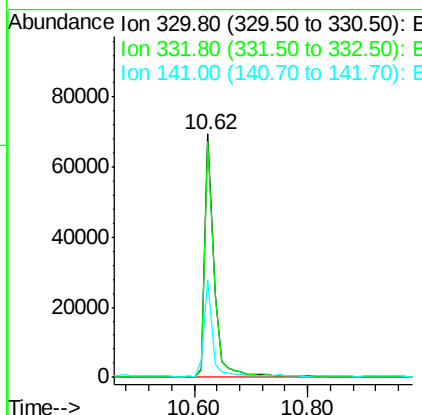
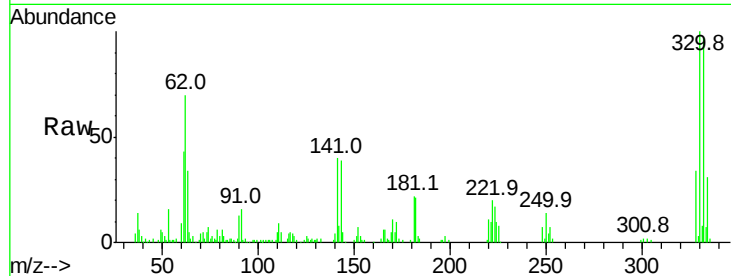
#41
 2,4,6-Tribromophenol
 Concen: 31.85 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF086429.D
 Acq: 27 Apr 2016 17:39

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B17(0-6)-CDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.0	118.4
141	38.4	31.2	46.8

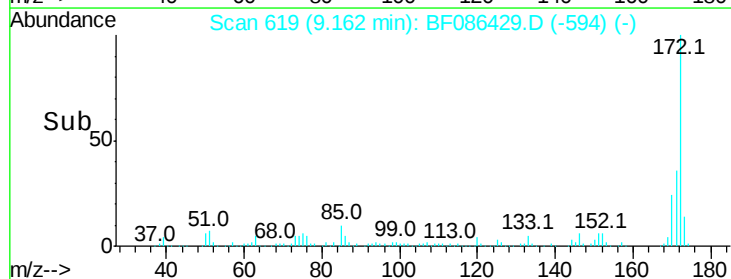
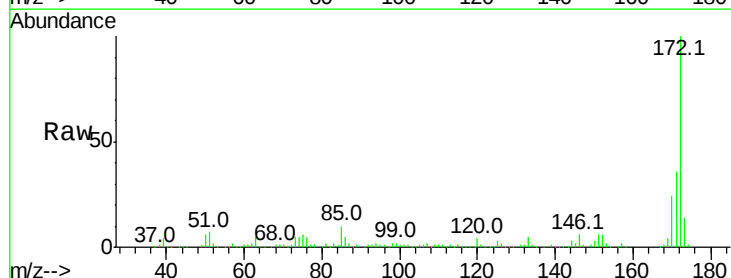
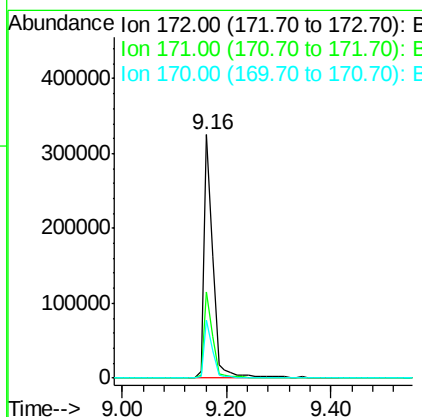
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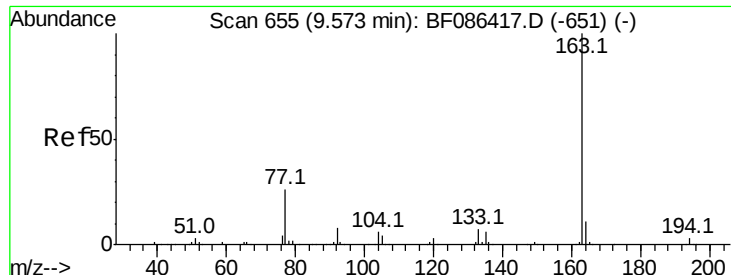
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#44
 2-Fluorobiphenyl
 Concen: 22.32 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF086429.D
 Acq: 27 Apr 2016 17:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.6
170	24.0	19.8	29.8





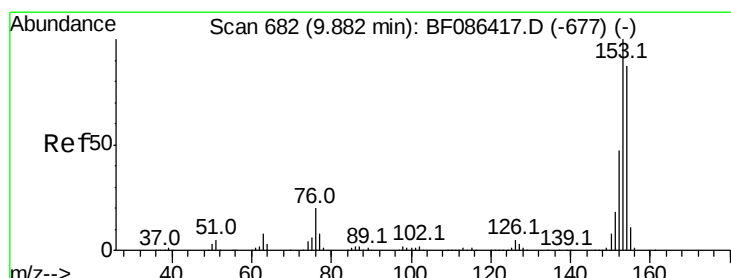
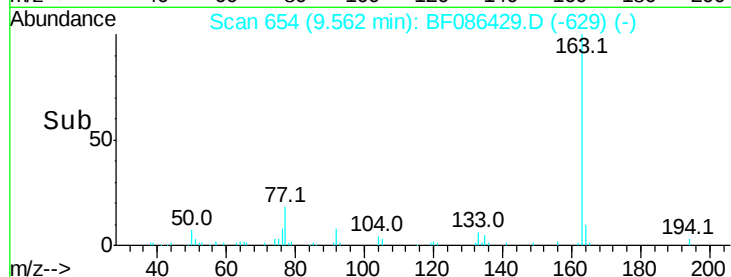
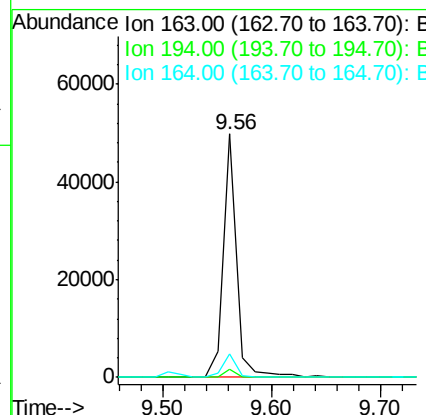
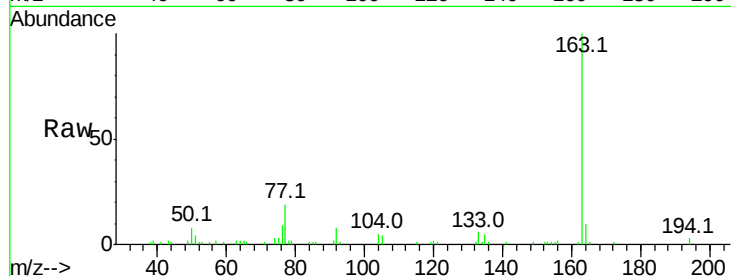
#49
Dimethylphthalate
Concen: 2.48 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF086429.D
Acq: 27 Apr 2016 17:39

Instrument :
BNA_F
ClientSampleId :
WPG-B17(0-6)-CDL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	42877		
194	3.3		2.6	4.0
164	9.9		8.2	12.4

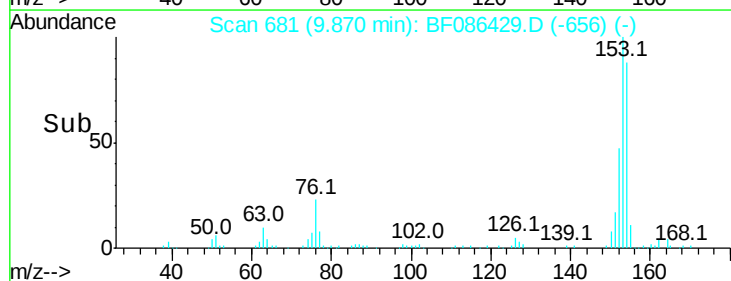
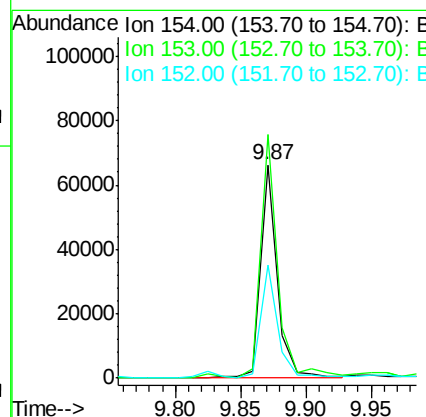
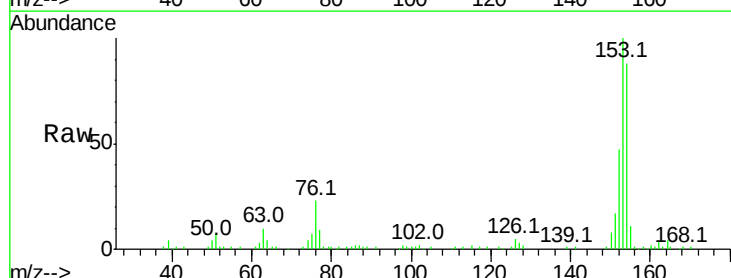
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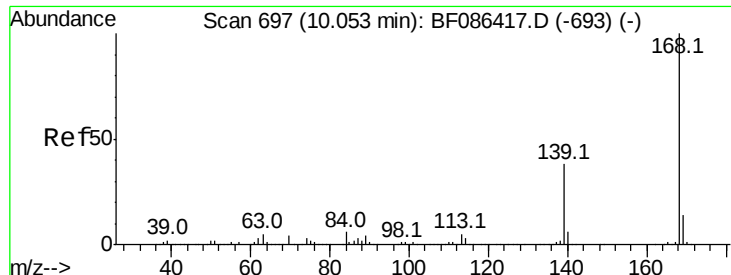
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#51
Acenaphthene
Concen: 4.10 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF086429.D
Acq: 27 Apr 2016 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	59991		
153	114.2		89.8	134.6
152	53.3		43.4	65.0





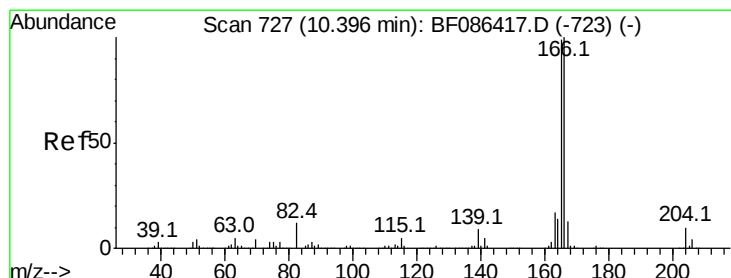
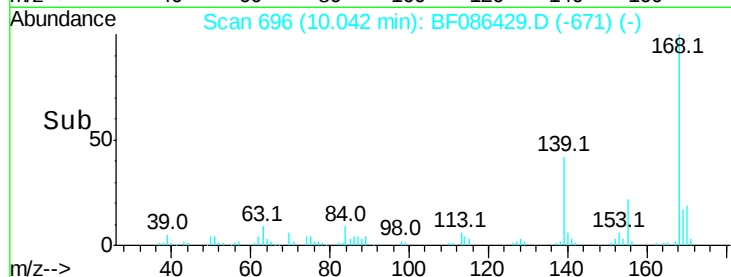
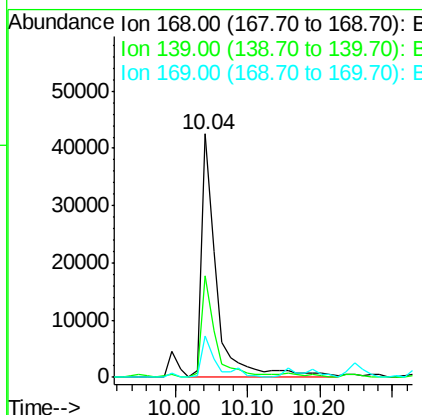
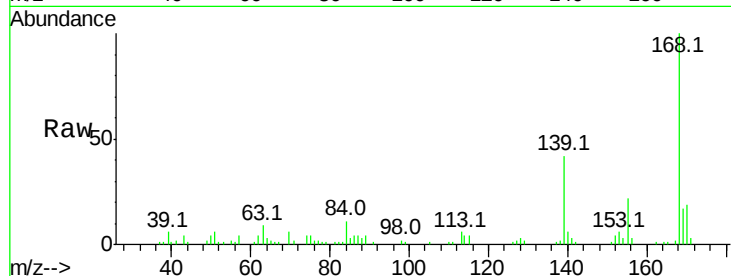
#54
Dibenzenofuran
Concen: 3.34 ng
RT: 10.04 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF086429.D
Acq: 27 Apr 2016 17:39

Instrument :
BNA_F
ClientSampleId :
WPG-B17(0-6)-CDL

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.7	31.4	47.0
169	17.2	10.7	16.1#

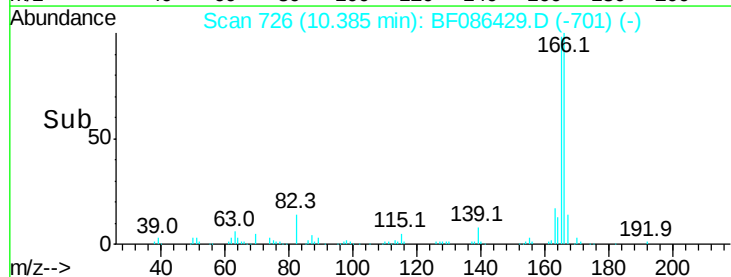
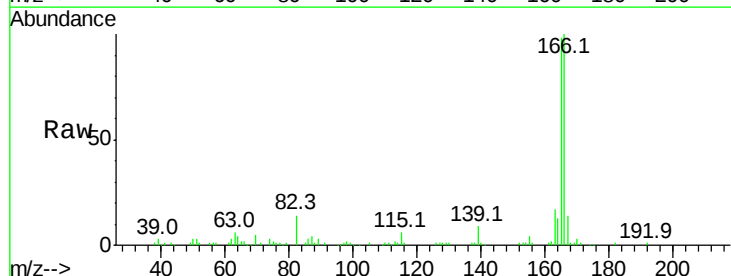
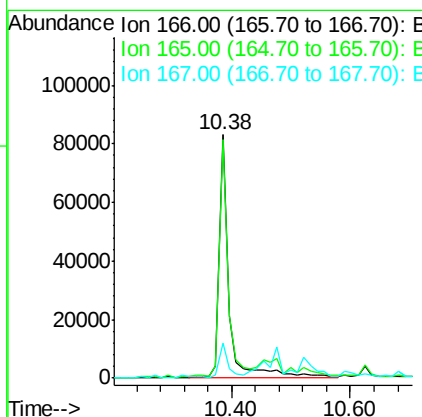
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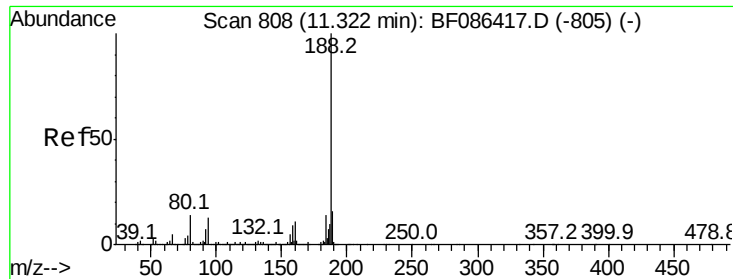
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#57
Fluorene
Concen: 6.11 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF086429.D
Acq: 27 Apr 2016 17:39

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.0	118.6
167	14.3	10.6	15.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF086429.D

Acq: 27 Apr 2016 17:39

Instrument :

BNA_F

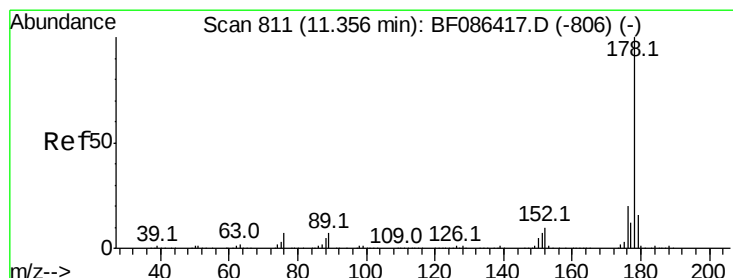
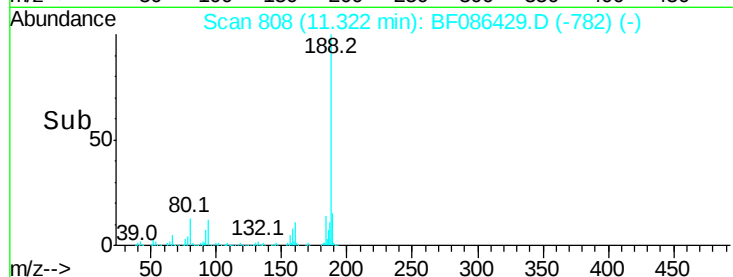
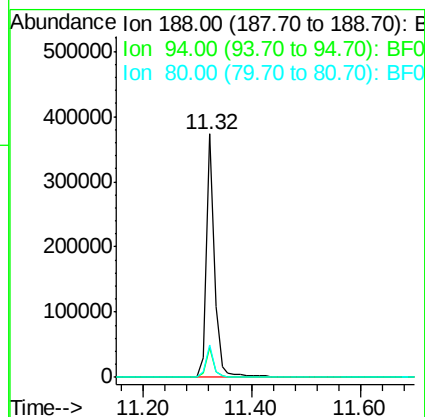
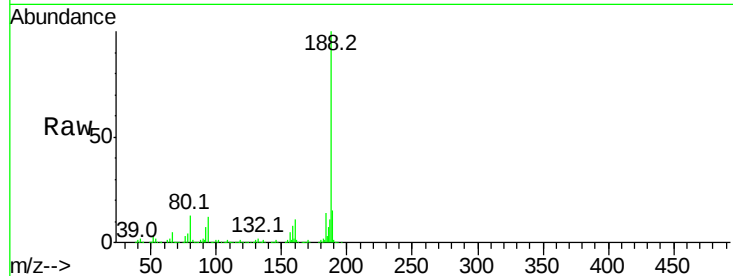
ClientSampleId :

WPG-B17(0-6)-CDL

Tot Ion:188	Resp:	387817
Ion Ratio	Lower	Upper
188 100		
94 12.1	6.8	10.2#
80 13.5	7.1	10.7#

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#70

Phenanthrene

Concen: 36.60 ng

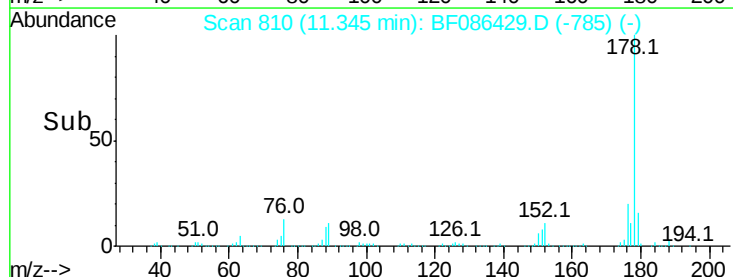
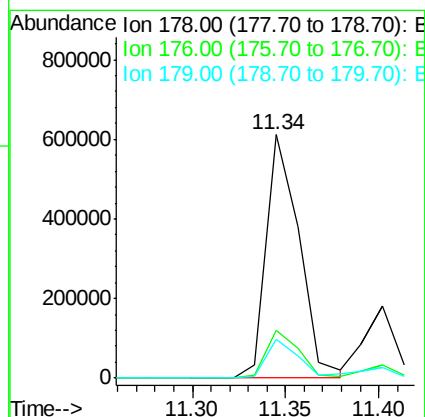
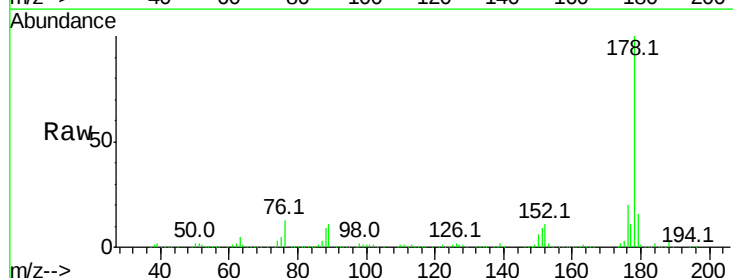
RT: 11.34 min Scan# 810

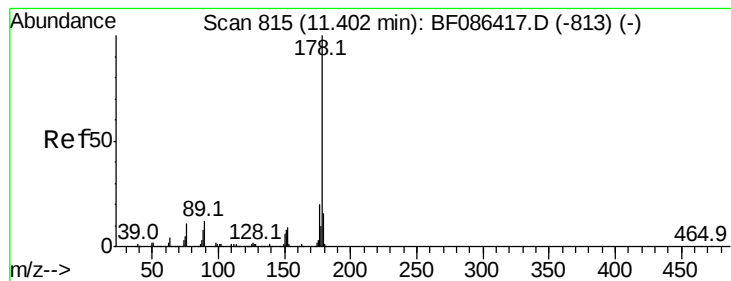
Delta R.T. -0.01 min

Lab File: BF086429.D

Acq: 27 Apr 2016 17:39

Tgt Ion:178	Resp:	744804
Ion Ratio	Lower	Upper
178 100		
176 19.8	16.0	24.0
179 16.0	12.6	18.8





#71

Anthracene

Concen: 10.97 ng

RT: 11.40 min Scan# 815

Delta R.T. 0.00 min

Lab File: BF086429.D

Acq: 27 Apr 2016 17:39

Instrument :

BNA_F

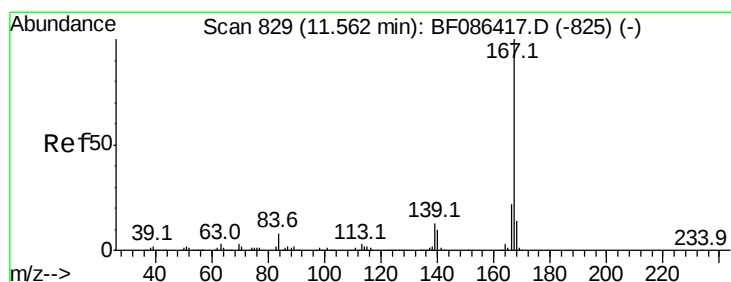
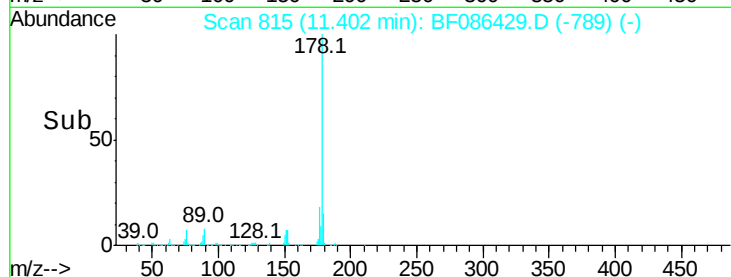
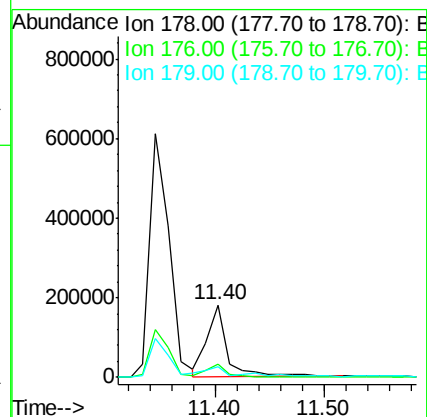
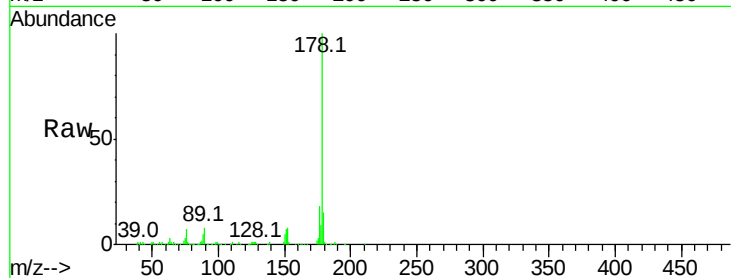
ClientSampleId :

WPG-B17(0-6)-CDL

Tot Ion:	178	Resp:	238282
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.6	23.4
179	15.4	12.7	19.1

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#72

Carbazole

Concen: 3.35 ng

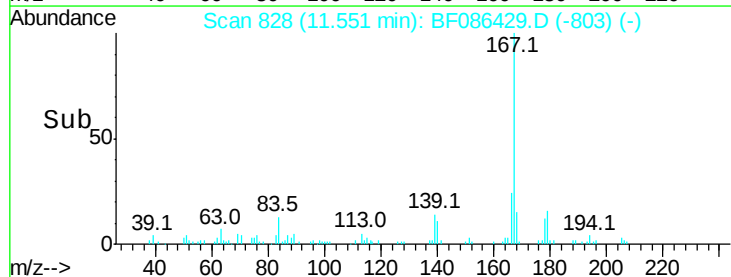
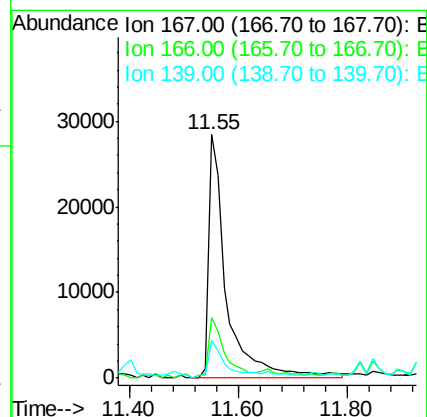
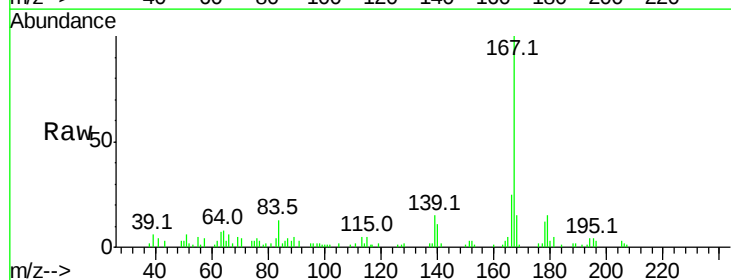
RT: 11.55 min Scan# 828

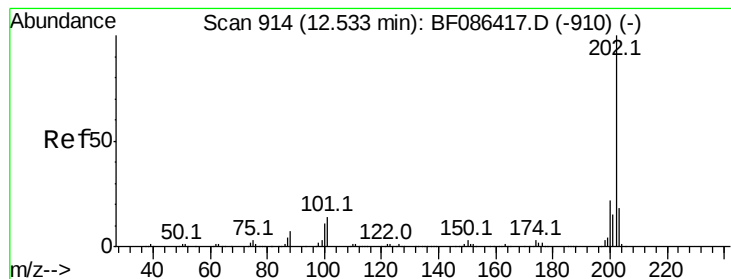
Delta R.T. -0.01 min

Lab File: BF086429.D

Acq: 27 Apr 2016 17:39

Tgt Ion:	167	Resp:	64532
Ion Ratio	Lower	Upper	
167	100		
166	24.6	17.7	26.5
139	15.3	10.8	16.2





#74

Fluoranthene

Concen: 29.37 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF086429.D

Acq: 27 Apr 2016 17:39

Instrument :

BNA_F

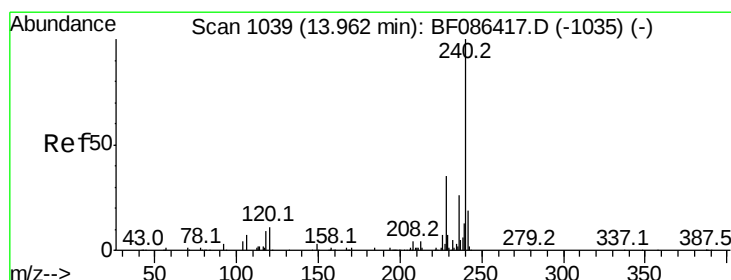
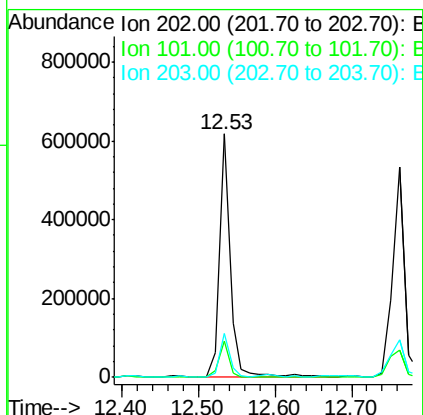
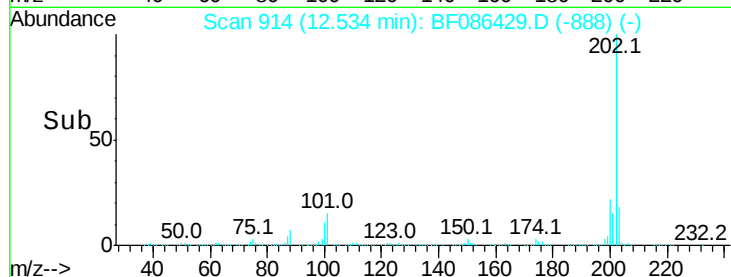
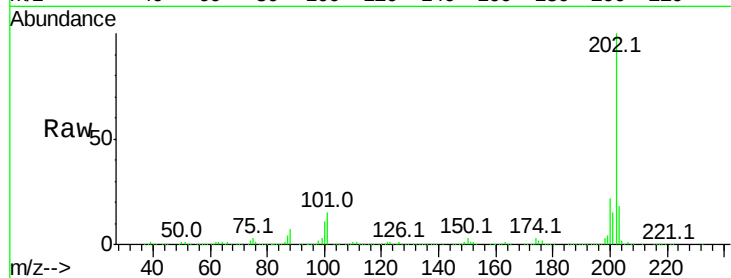
ClientSampleId :

WPG-B17(0-6)-CDL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	603375		
101	15.0		0.0	35.4
203	17.9		0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

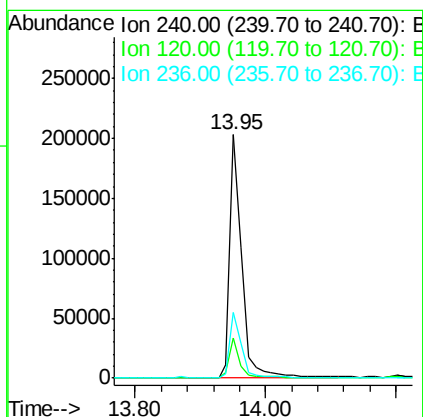
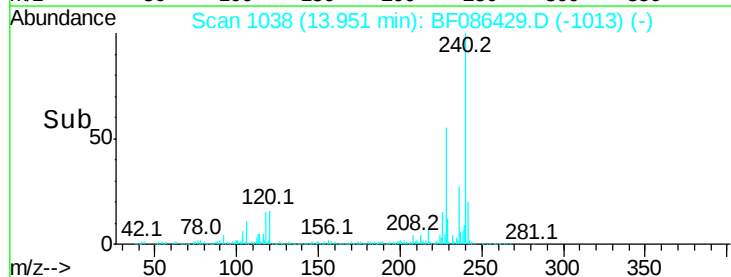
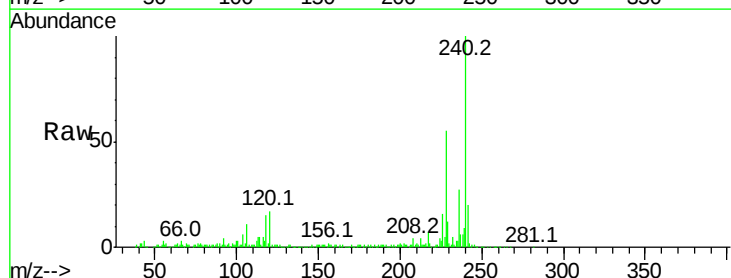
RT: 13.95 min Scan# 1038

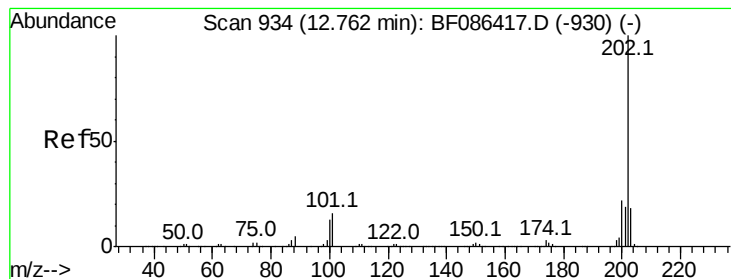
Delta R.T. -0.01 min

Lab File: BF086429.D

Acq: 27 Apr 2016 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	257826		
120	16.6		11.2	16.8
236	27.1		21.2	31.8





#77

Pvrene

Concen: 31.10 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF086429.D

Acq: 27 Apr 2016 17:39

Instrument :

BNA_F

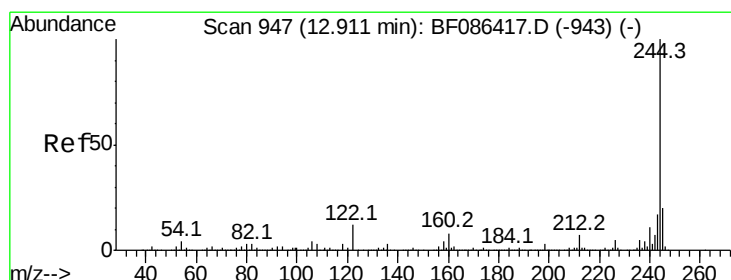
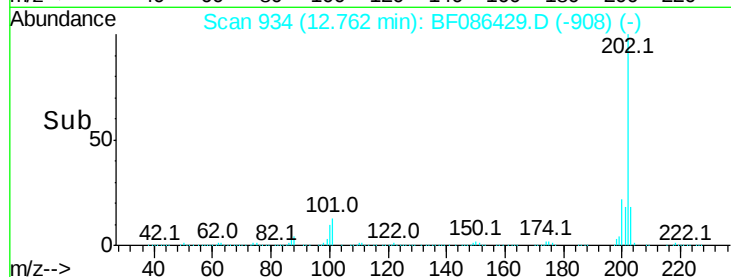
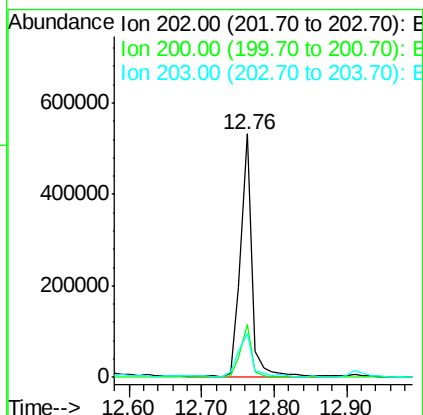
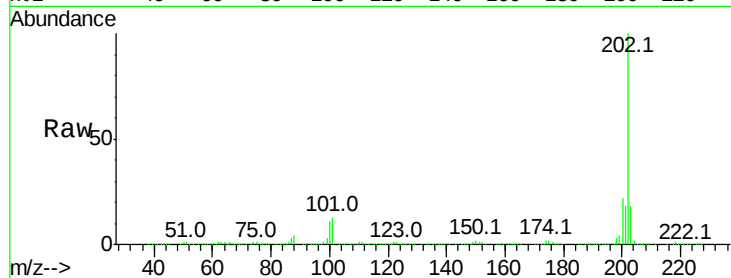
ClientSampled :

WPG-B17(0-6)-CDL

Tot Ion:	202	Resp:	577769
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.7	26.5
203	18.2	14.2	21.4

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#78

Terphenyl-d14

Concen: 23.15 ng

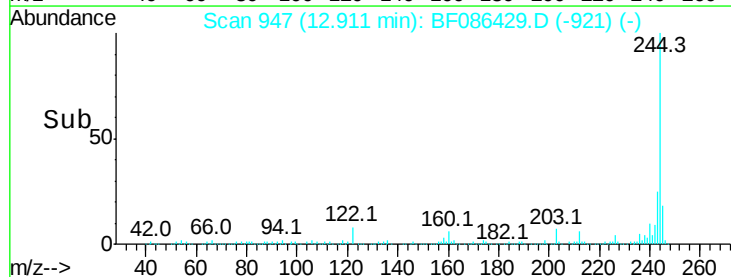
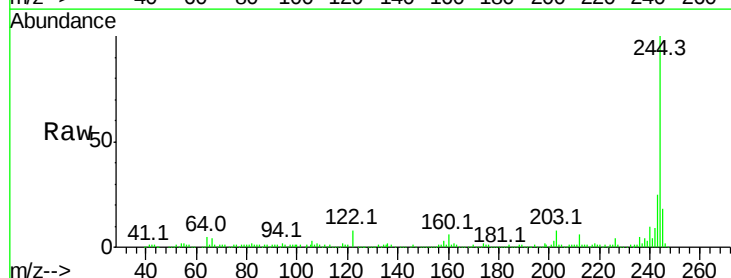
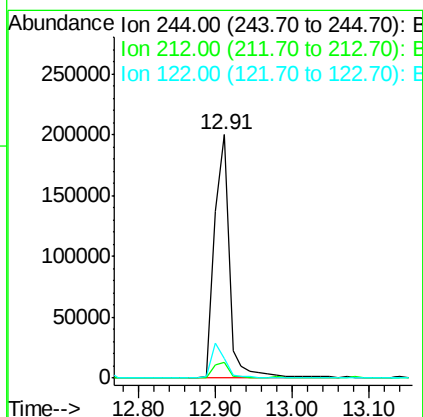
RT: 12.91 min Scan# 947

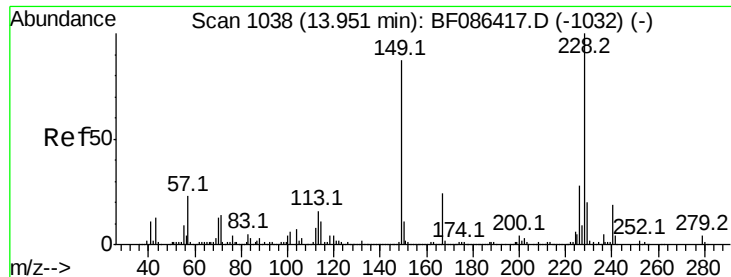
Delta R.T. 0.00 min

Lab File: BF086429.D

Acq: 27 Apr 2016 17:39

Tgt Ion:	244	Resp:	270867
Ion Ratio	Lower	Upper	
244	100		
212	6.4	6.2	9.2
122	8.1	12.0	18.0#





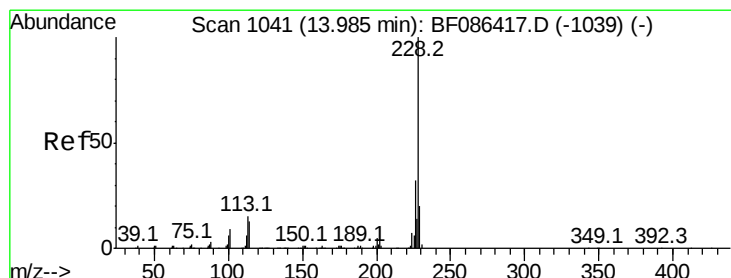
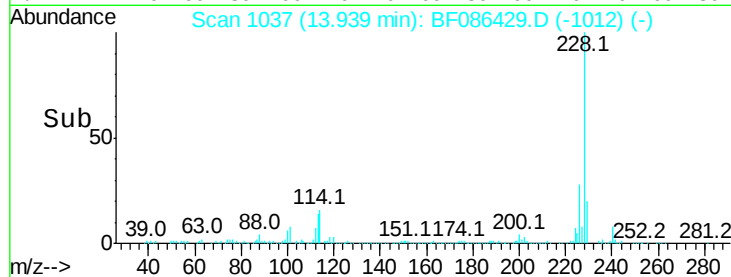
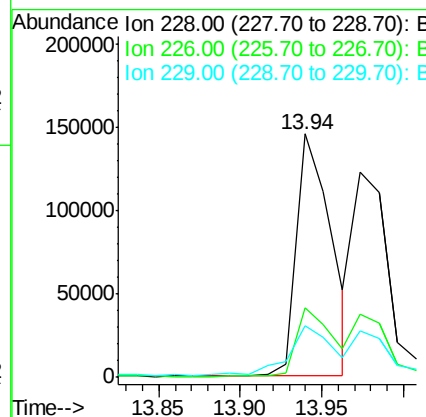
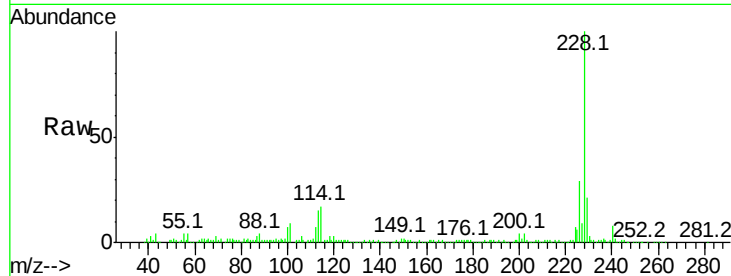
#80
Benzo(a)anthracene
Concen: 15.85 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF086429.D
Acq: 27 Apr 2016 17:39

Instrument :
BNA_F
ClientSampleId :
WPG-B17(0-6)-CDL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	217836		
226	28.5		22.5	33.7
229	21.0		16.6	25.0

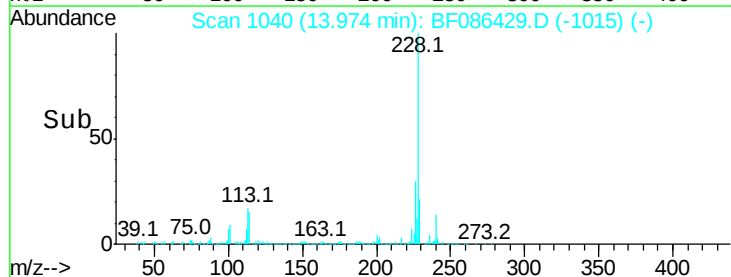
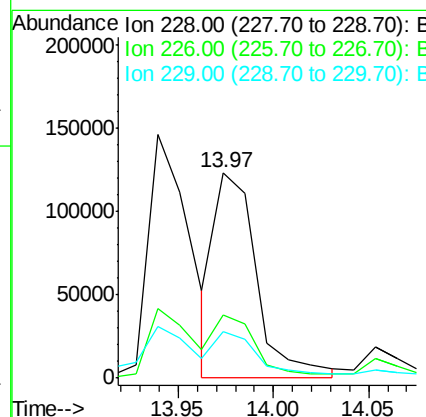
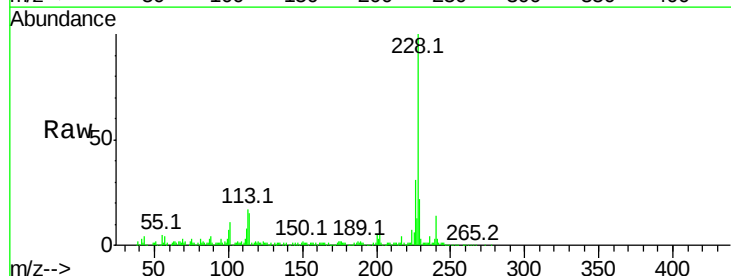
Manual Integrations
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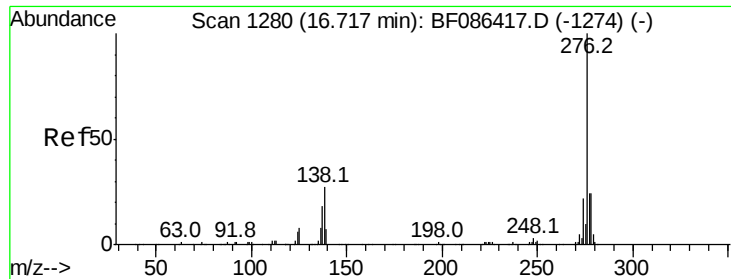
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#82
Chrysene
Concen: 12.85 ng m
RT: 13.97 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF086429.D
Acq: 27 Apr 2016 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	192066		
226	30.8		24.4	36.6
229	22.3		15.8	23.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.68 ng

RT: 16.72 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BF086429.D

Acq: 27 Apr 2016 17:39

Instrument :

BNA_F

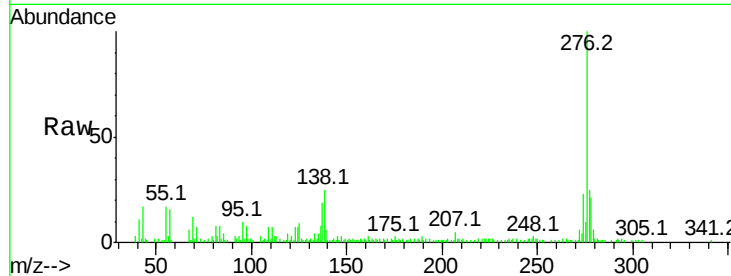
ClientSampleId :

WPG-B17(0-6)-CDL

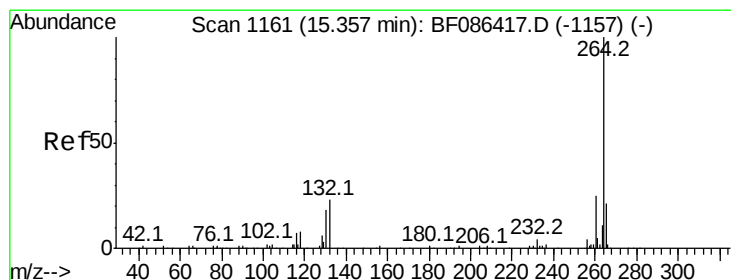
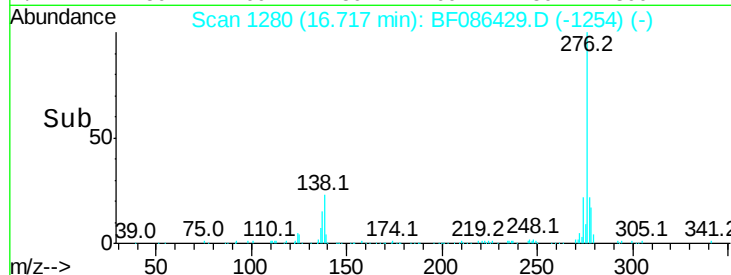
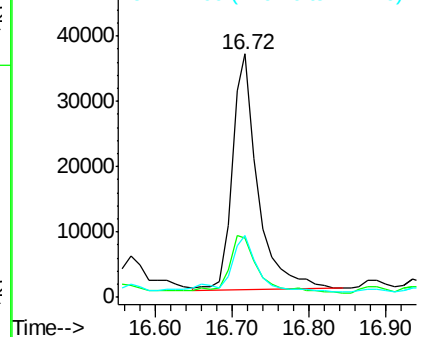
Tot Ion:	276	Resp:	85012
Ion Ratio	Lower	Upper	
276	100		
138	28.6	25.6	38.4
277	27.6	20.5	30.7

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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

Perylene-d12

Concen: 20.00 ng

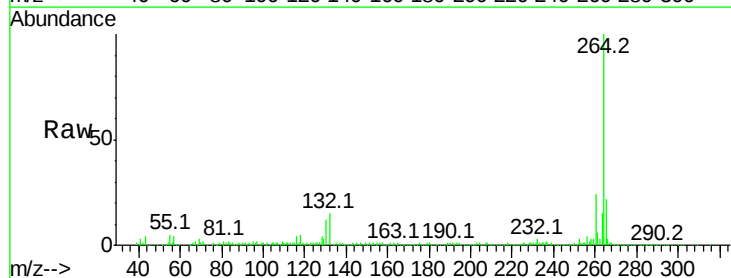
RT: 15.37 min Scan# 1162

Delta R.T. 0.01 min

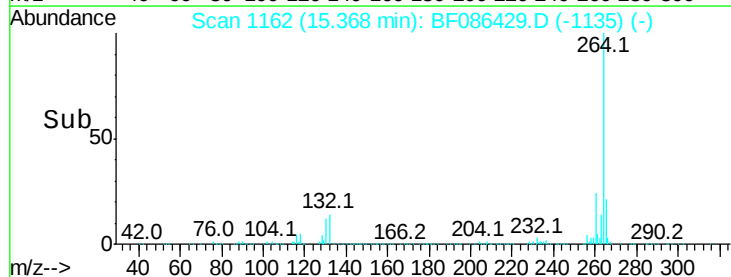
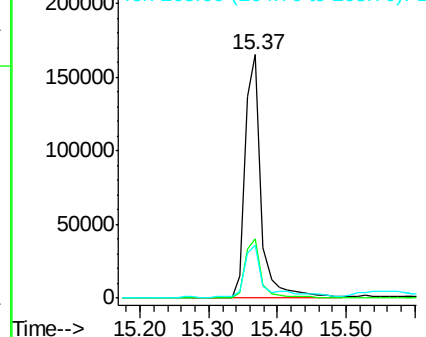
Lab File: BF086429.D

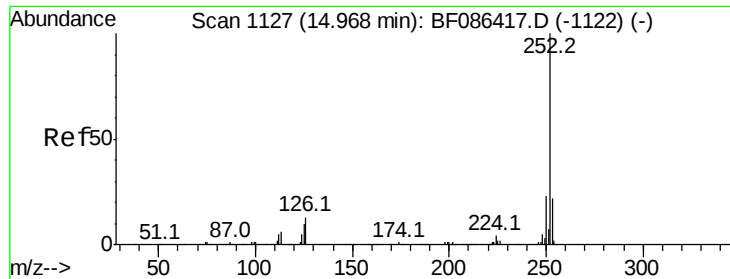
Acq: 27 Apr 2016 17:39

Tgt Ion:	264	Resp:	271366
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	21.6	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 13.40 ng m

RT: 14.97 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BF086429.D

Acq: 27 Apr 2016 17:39

Instrument :

BNA_F

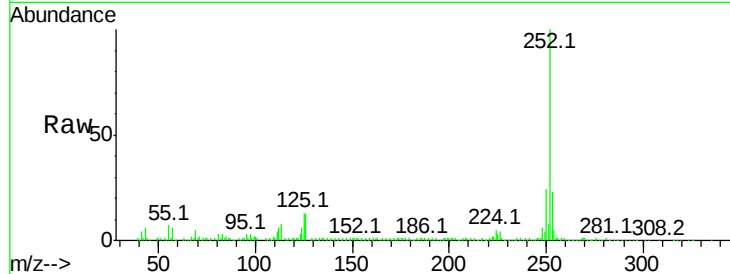
ClientSampleId :

WPG-B17(0-6)-CDL

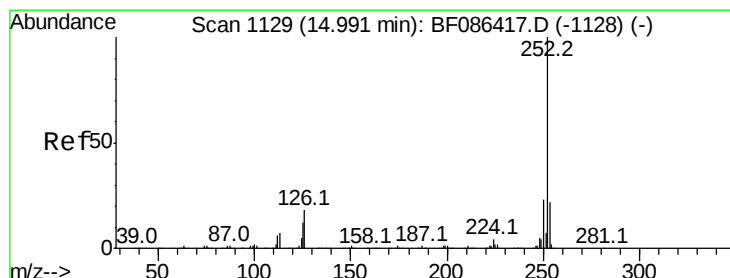
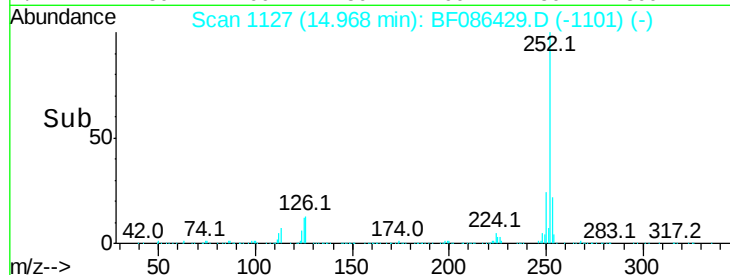
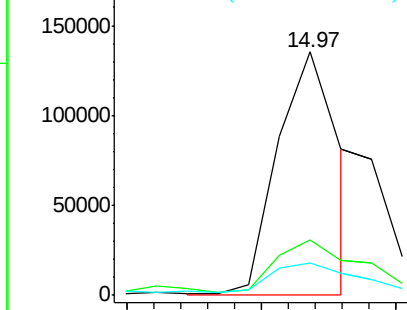
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	13.2	11.4	17.0

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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: 4.95 ng m

RT: 14.98 min Scan# 1128

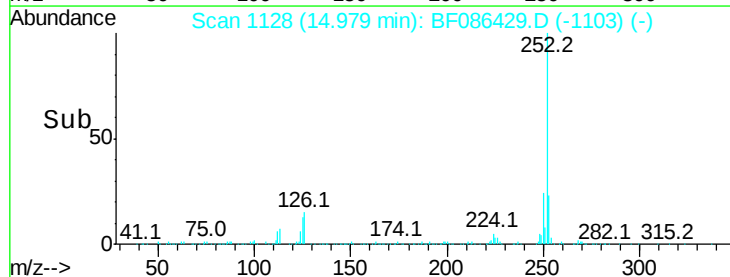
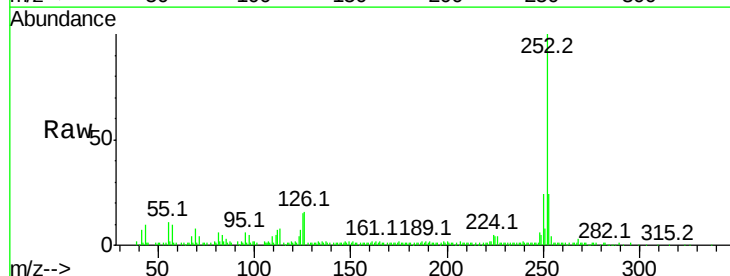
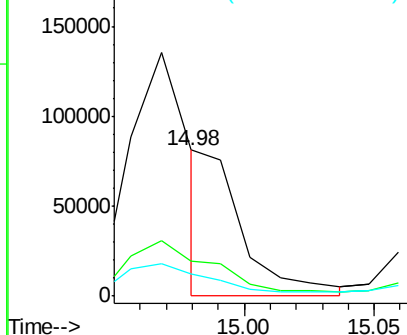
Delta R.T. -0.01 min

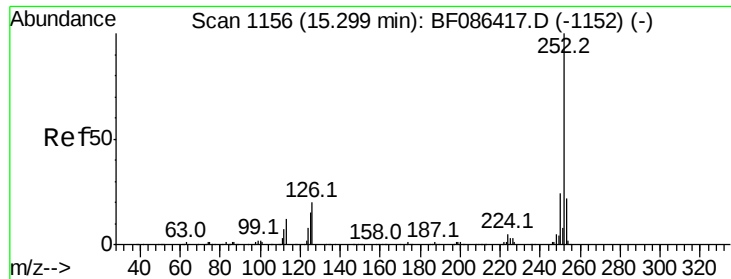
Lab File: BF086429.D

Acq: 27 Apr 2016 17:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	15.3	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: 11.47 ng

RT: 15.30 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF086429.D

Acq: 27 Apr 2016 17:39

Instrument :

BNA_F

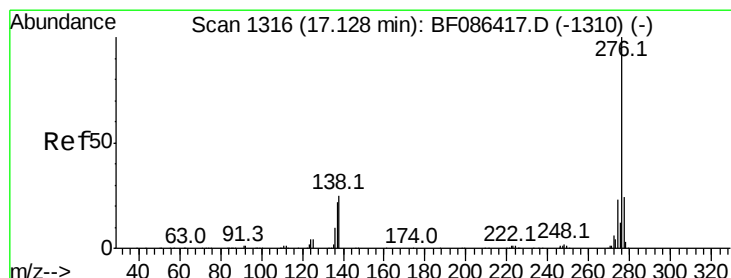
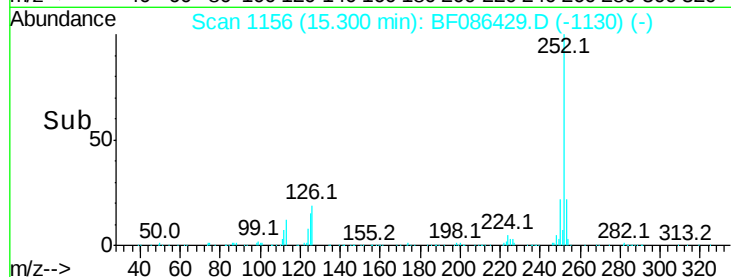
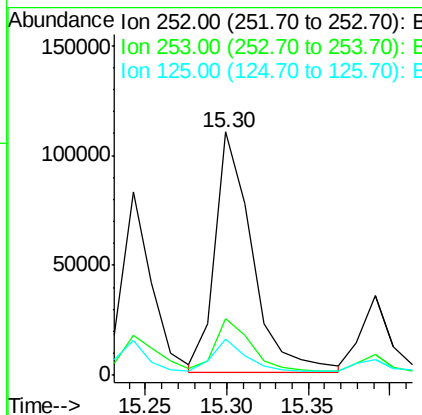
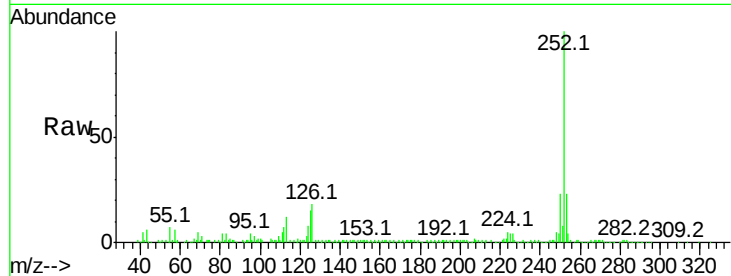
ClientSampleId :

WPG-B17(0-6)-CDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	14.9	9.0	13.6

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 6.38 ng

RT: 17.12 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF086429.D

Acq: 27 Apr 2016 17:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.6	29.4
138	27.3	23.6	35.4

