

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040816\
 Data File : BF086186.D
 Acq On : 8 Apr 2016 23:41
 Operator : UM/SJ
 Sample : H2283-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3-COMP

Manual Integrations
 APPROVED

Sohil
 4/11/2016 5:45:21 PM

Quant Time: Apr 09 00:47:59 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	123272	20.00	ng	-0.05
21) Naphthalene-d8	8.01	136	473299	20.00	ng	-0.06
38) Acenaphthene-d10	9.77	164	198355	20.00	ng	-0.05
63) Phenanthrene-d10	11.24	188	346556	20.00	ng	-0.06
75) Chrysene-d12	13.88	240	230174	20.00	ng	-0.05
86) Perylene-d12	15.28	264	211531	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	977185	135.50	ng	-0.03
7) Phenol-d6	6.38	99	1283726	140.14	ng	-0.03
23) Nitrobenzene-d5	7.30	82	747678	93.16	ng	-0.05
41) 2,4,6-Tribromophenol	10.56	330	265448	142.58	ng	-0.05
44) 2-Fluorobiphenyl	9.09	172	1272655	106.68	ng	-0.05
78) Terphenyl-d14	12.83	244	946661	96.68	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.48	163	177926	12.10	ng	# 99
70) Phenanthrene	11.26	178	379819	20.09	ng	99
71) Anthracene	11.32	178	115630	5.84	ng	98
74) Fluoranthene	12.45	202	449520	22.86	ng	97
77) Pyrene	12.68	202	391760	24.15	ng	99
80) Benzo(a)anthracene	13.87	228	156003m	11.50	ng	
82) Chrysene	13.91	228	142668m	10.92	ng	
85) Indeno(1,2,3-cd)pyrene	16.61	276	71032	6.70	ng	94
87) Benzo(b)fluoranthene	14.89	252	158796m	11.93	ng	
88) Benzo(k)fluoranthene	14.90	252	62960m	5.34	ng	
89) Benzo(a)pyrene	15.22	252	125954	10.68	ng	98
91) Benzo(a,h,i)perylene	17.01	276	66323	7.22	ng	97

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

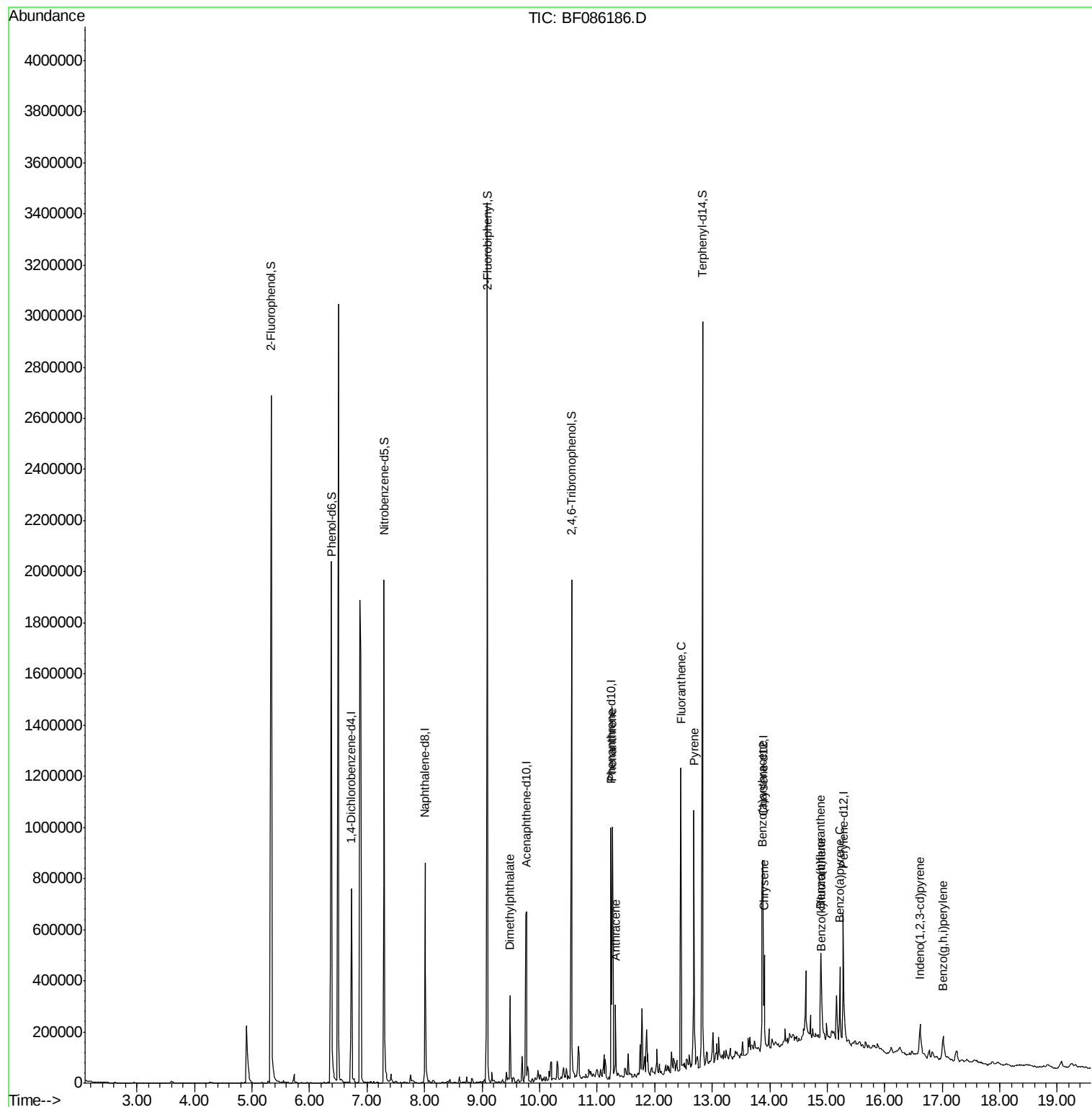
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040816\
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

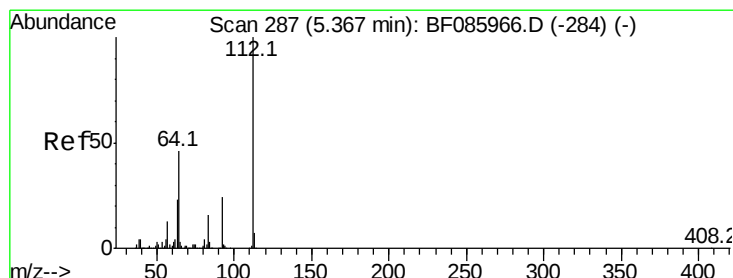
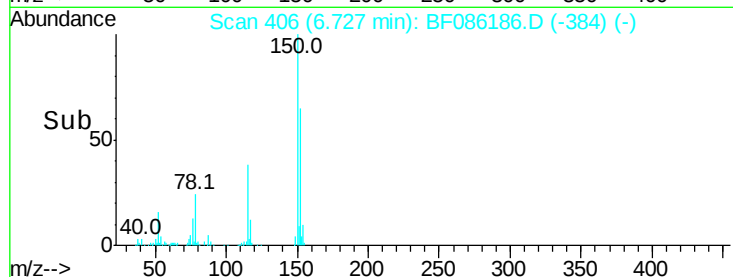
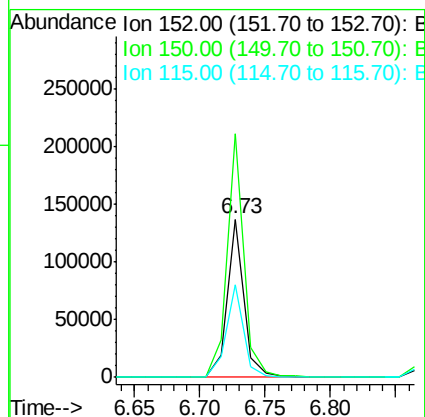
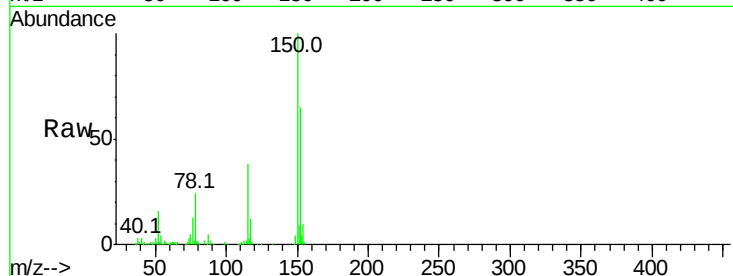
ClientSampleId :

B3-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.2	186.2
115	58.1	47.0	70.6

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#5

2-Fluorophenol

Concen: 135.50 ng

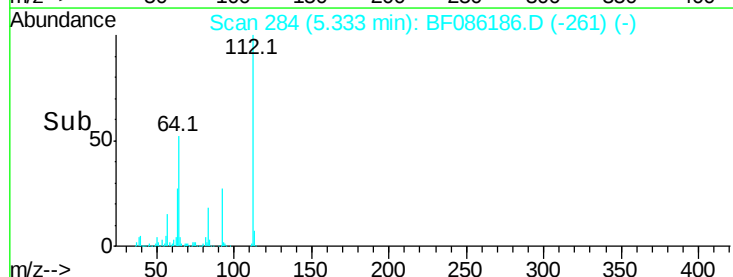
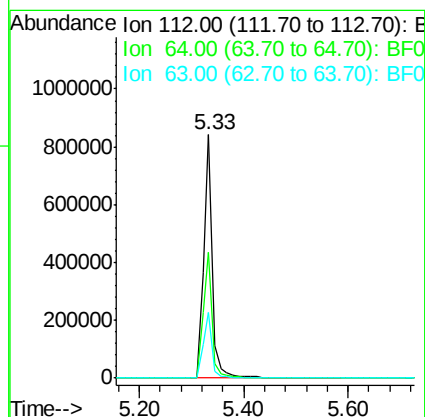
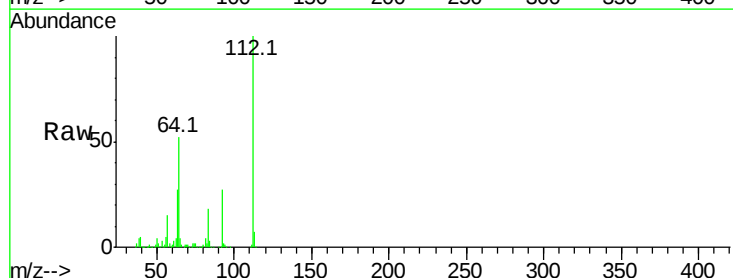
RT: 5.33 min Scan# 284

Delta R.T. -0.03 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	39.9	59.9
63	26.8	20.2	30.2





#7

Phenol-d6

Concen: 140.14 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

ClientSampleId :

B3-COMP

Tot Ion: 99 Resp: 1283726

Ion Ratio Lower Upper

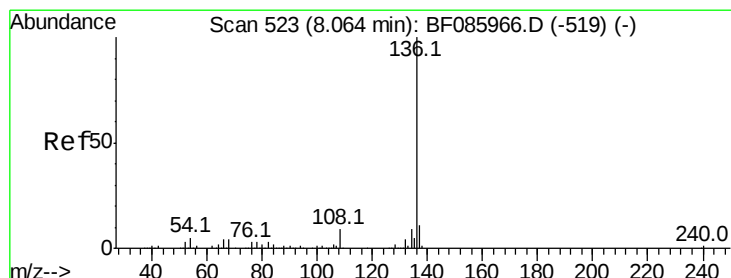
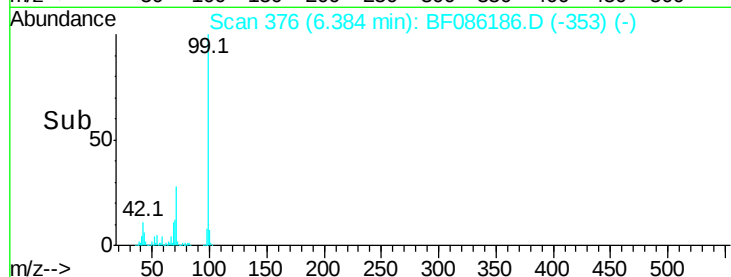
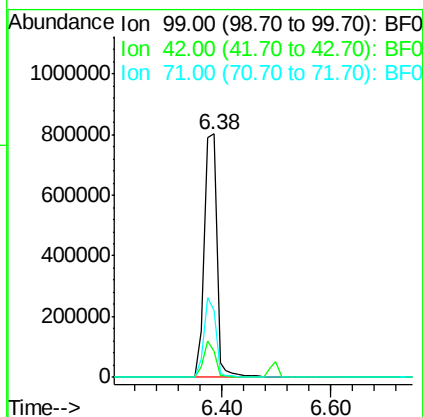
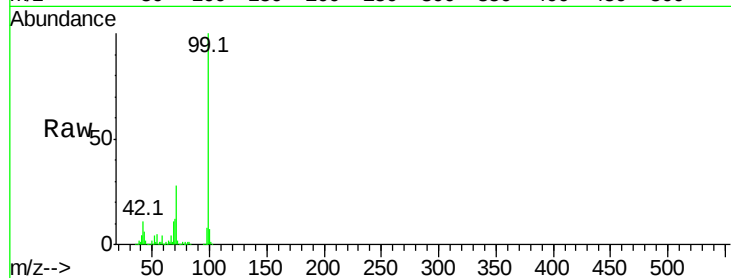
99 100

42 10.8 11.1 16.7#

71 27.7 24.9 37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.06 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Tgt Ion: 136 Resp: 473299

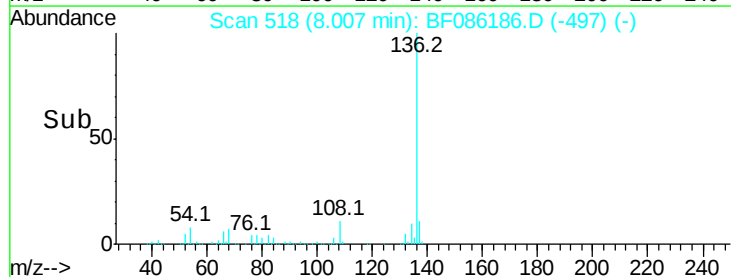
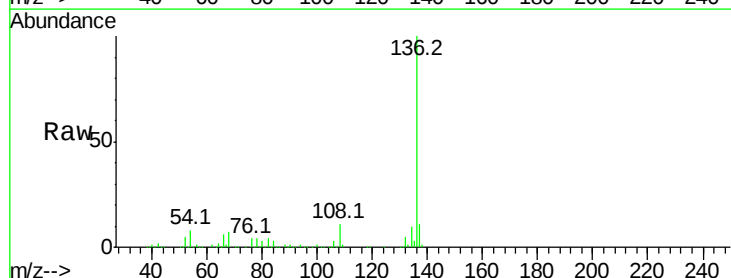
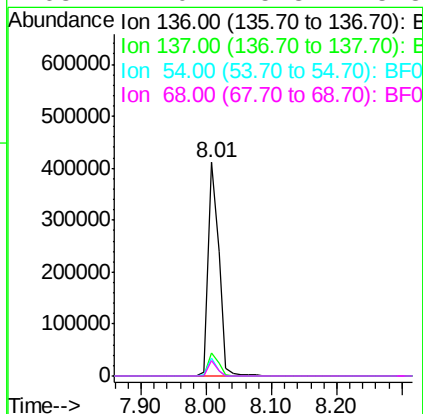
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 8.4 7.4 11.0

68 7.0 5.8 8.8





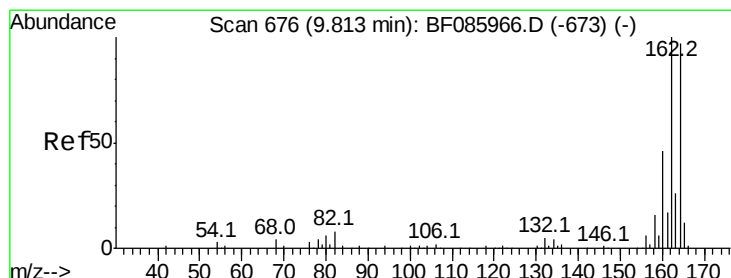
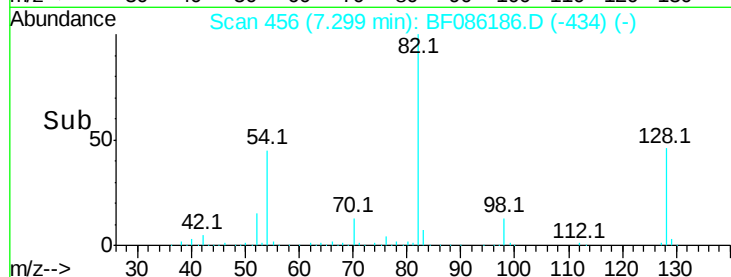
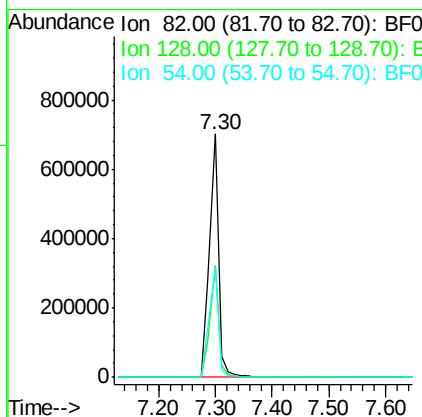
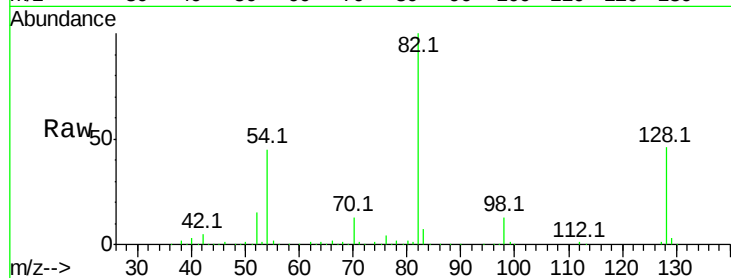
#23
 Nitrobenzene-d5
 Concen: 93.16 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF086186.D
 Acq: 8 Apr 2016 23:41

Instrument :
 BNA_F
 ClientSampleId :
 B3-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	41.8	62.8
54	45.3	33.4	50.0

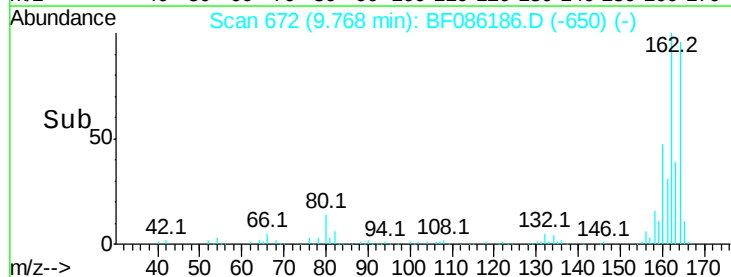
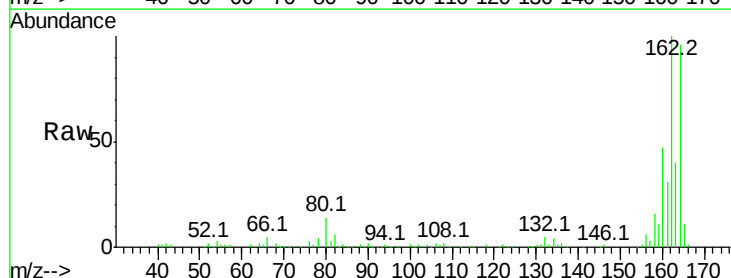
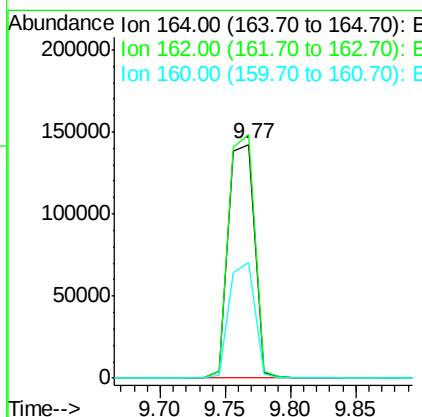
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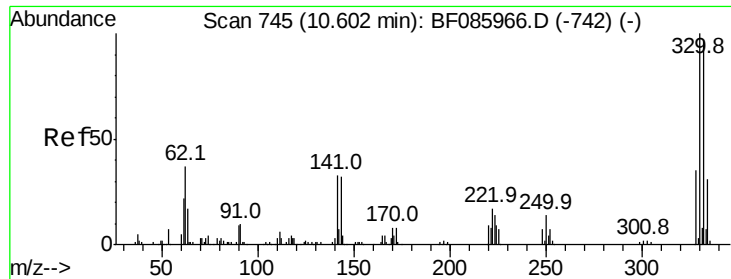
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.05 min
 Lab File: BF086186.D
 Acq: 8 Apr 2016 23:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.1	123.1
160	49.3	37.4	56.2





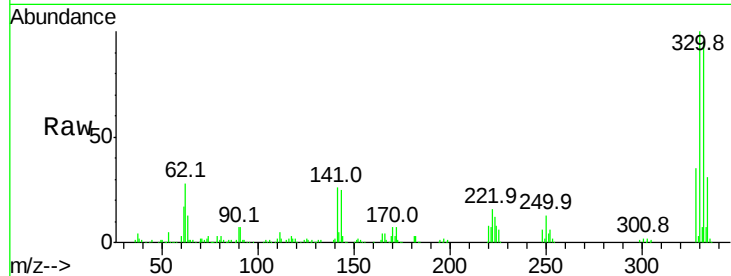
#41
 2,4,6-Tribromophenol
 Concen: 142.58 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.05 min
 Lab File: BF086186.D
 Acq: 8 Apr 2016 23:41

Instrument :
 BNA_F
 ClientSampleId :
 B3-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	265448		
332	95.2	78.2	117.2	
141	36.5	31.5	47.3	

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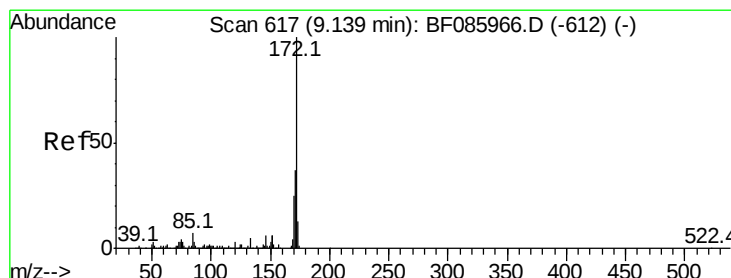
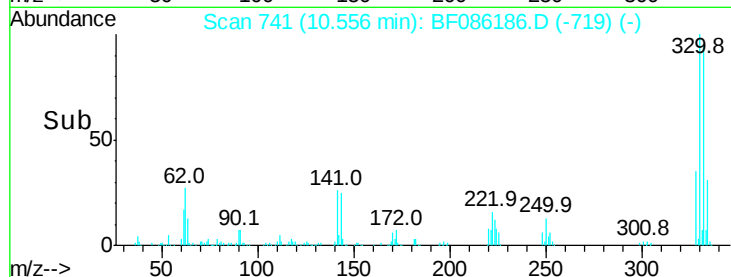
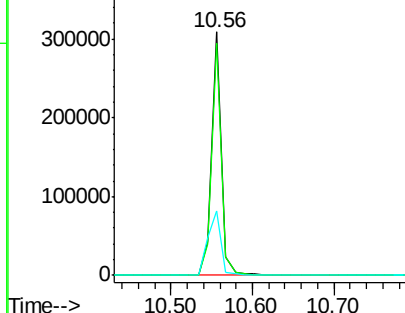


Abundance

Ion 329.80 (329.50 to 330.50): E

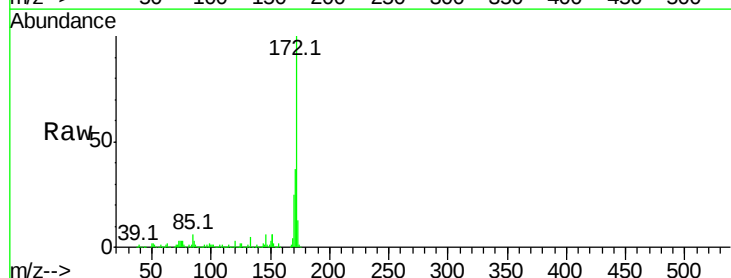
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 106.68 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.05 min
 Lab File: BF086186.D
 Acq: 8 Apr 2016 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1272655		
171	36.8	29.4	44.2	
170	24.8	19.8	29.6	

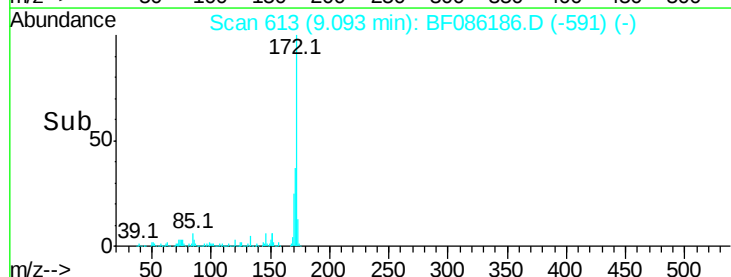
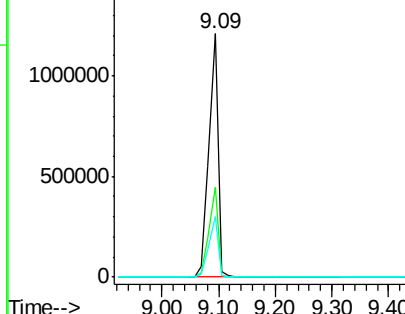


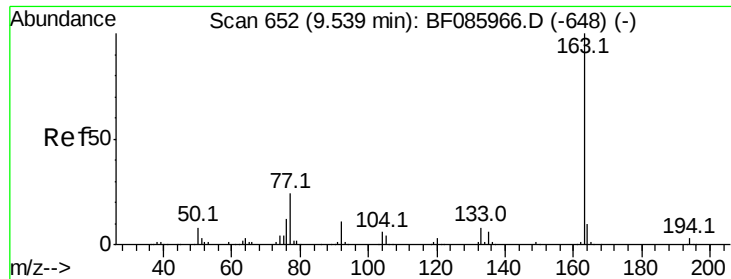
Abundance

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





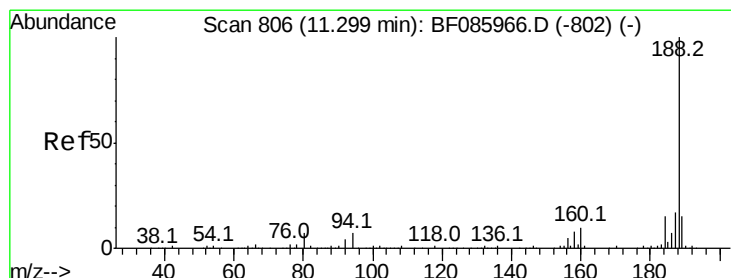
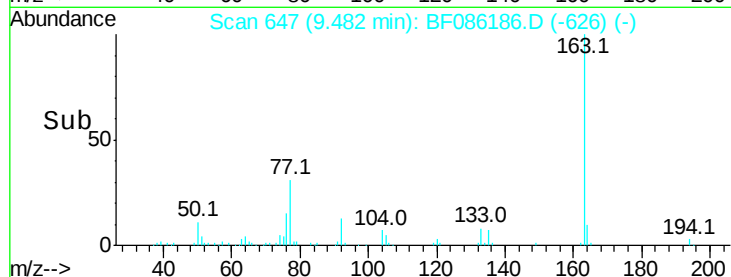
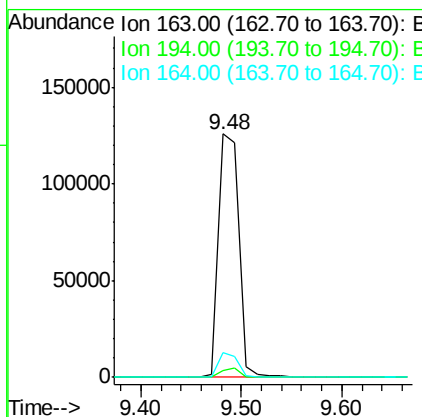
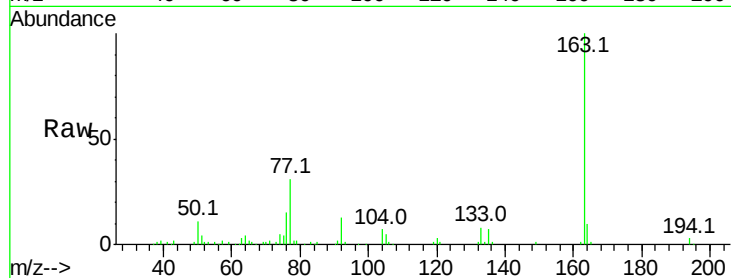
#49
Dimethylphthalate
Concen: 12.10 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.06 min
Lab File: BF086186.D
Acq: 8 Apr 2016 23:41

Instrument :
BNA_F
ClientSampleId :
B3-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	177926		
194	2.8	2.9	4.3#	
164	10.4	8.3	12.5	

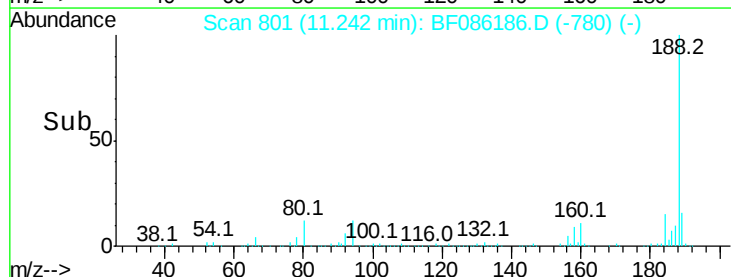
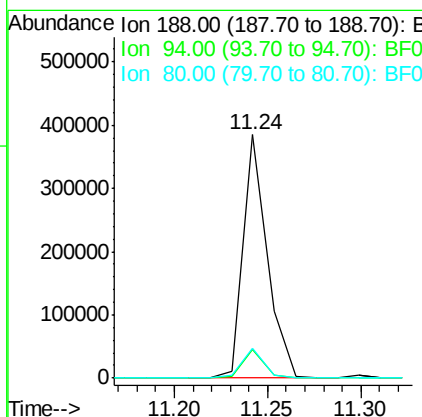
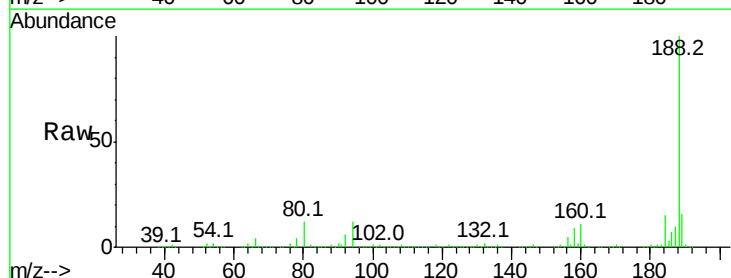
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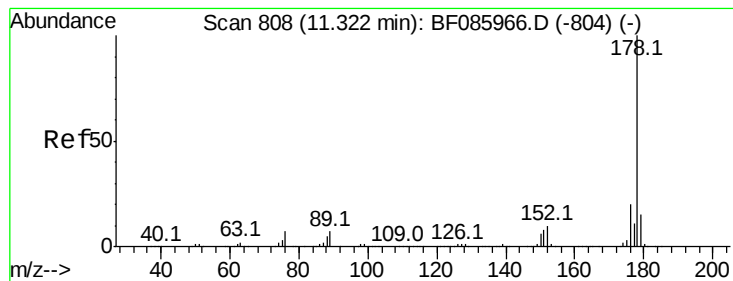
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.06 min
Lab File: BF086186.D
Acq: 8 Apr 2016 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	346556		
94	11.5	5.4	8.0#	
80	12.2	5.5	8.3#	





#70

Phenanthrene

Concen: 20.09 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.06 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

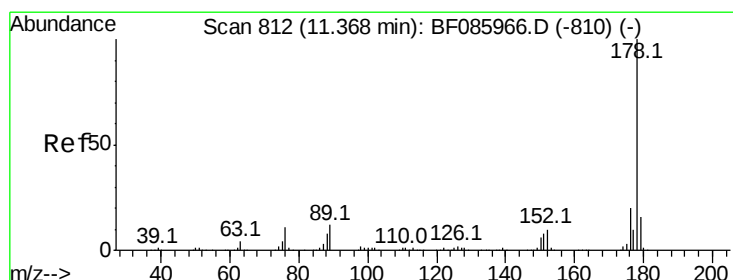
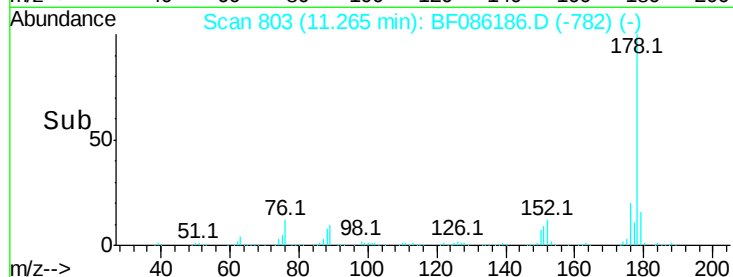
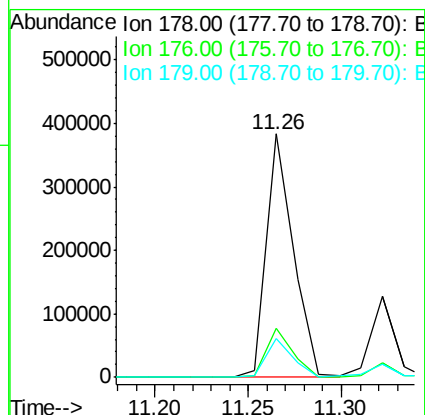
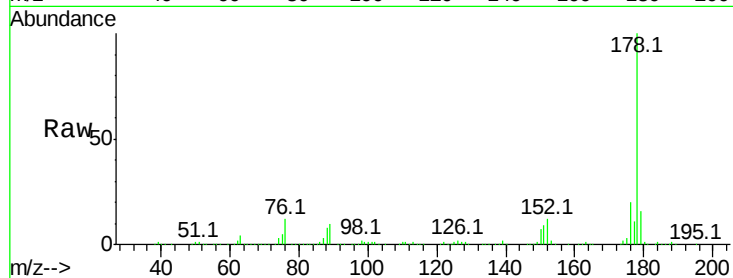
ClientSampleId :

B3-COMP

Tot Ion:	178	Resp:	379819
Ion Ratio	Lower	Upper	
178	100		
176	20.2	16.3	24.5
179	16.0	12.6	18.8

Manual Integrations
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#71

Anthracene

Concen: 5.84 ng

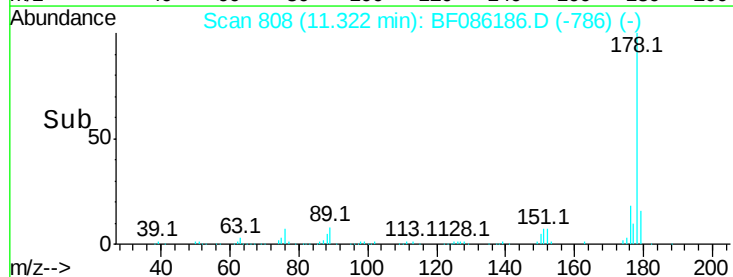
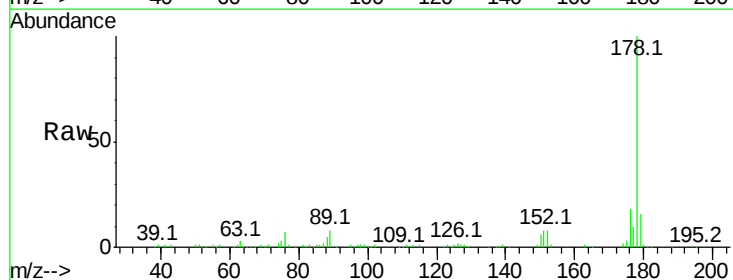
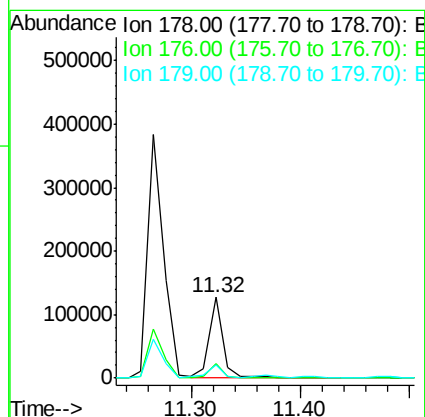
RT: 11.32 min Scan# 808

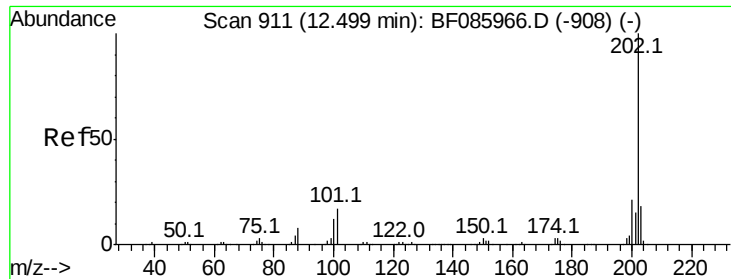
Delta R.T. -0.05 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Tgt Ion:	178	Resp:	115630
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.9	23.9
179	15.6	13.0	19.4





#74

Fluoranthene

Concen: 22.86 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.05 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

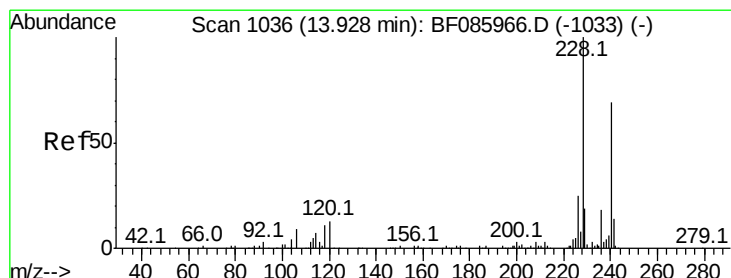
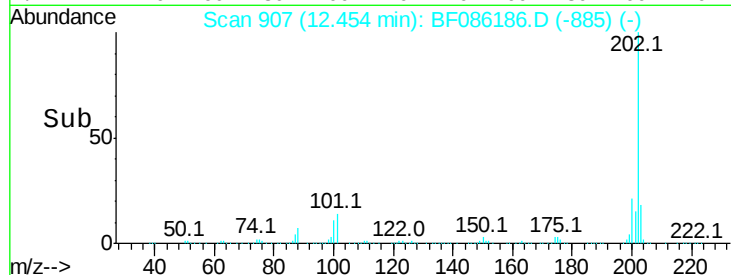
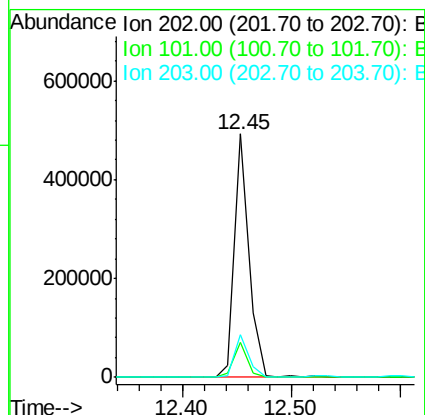
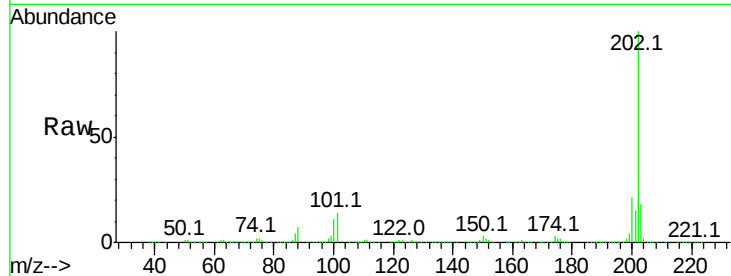
ClientSampleId :

B3-COMP

Tot Ion:	202	Resp:	449520
Ion Ratio		Lower	Upper
202	100		
101	14.2	0.0	36.6
203	17.7	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

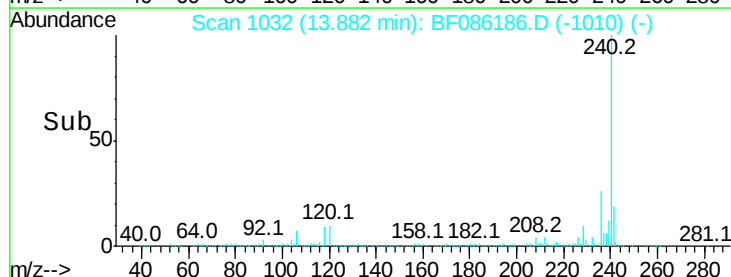
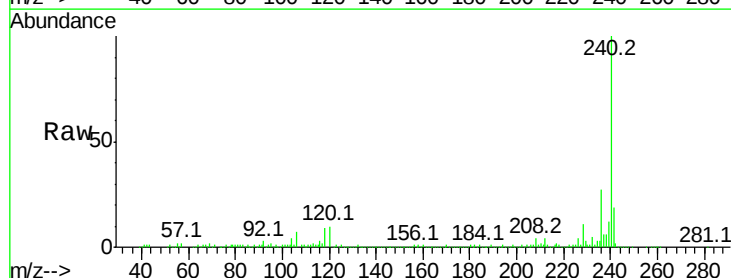
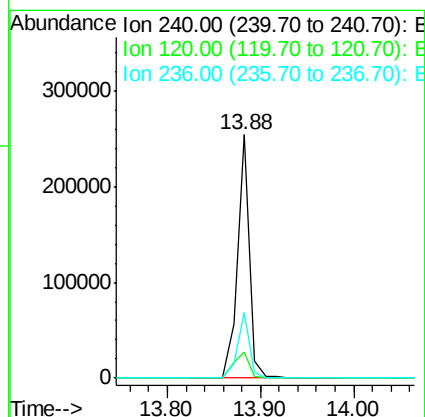
RT: 13.88 min Scan# 1032

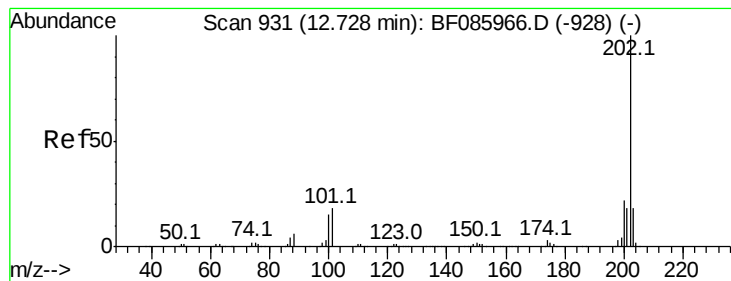
Delta R.T. -0.05 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Tgt Ion:	240	Resp:	230174
Ion Ratio		Lower	Upper
240	100		
120	10.5	13.8	20.8#
236	26.9	20.6	30.8





#77

Pvrene

Concen: 24.15 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.05 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

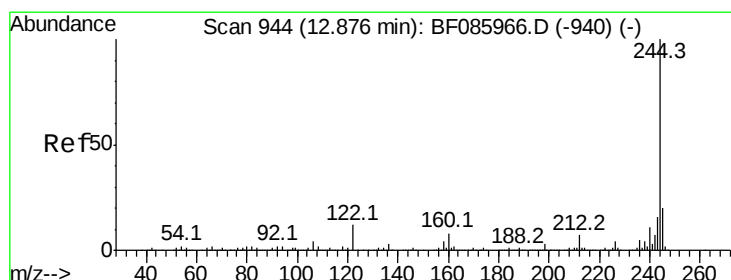
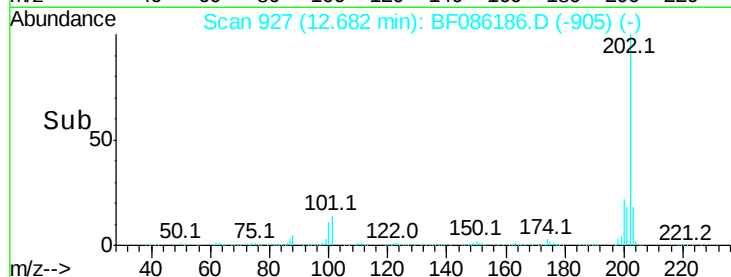
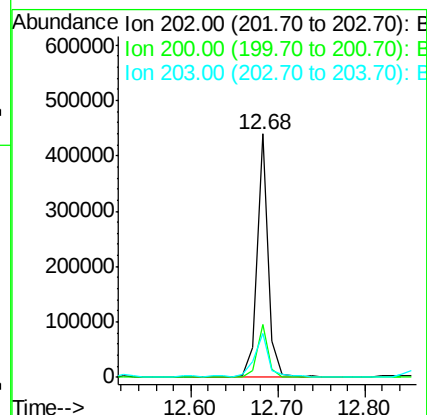
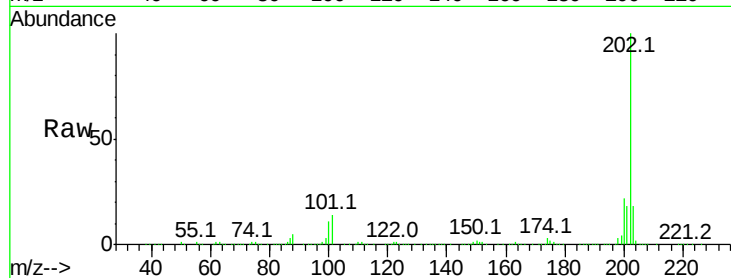
ClientSampled :

B3-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	391760		
200	21.7		17.6	26.4
203	18.1		14.0	21.0

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#78

Terphenyl-d14

Concen: 96.68 ng

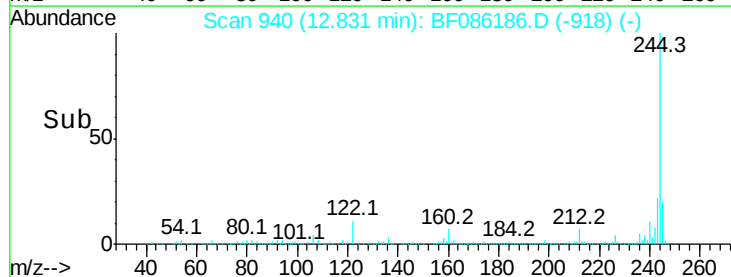
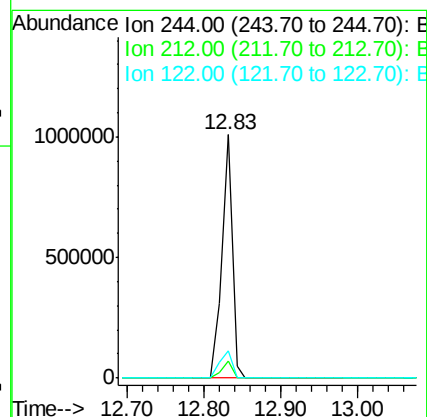
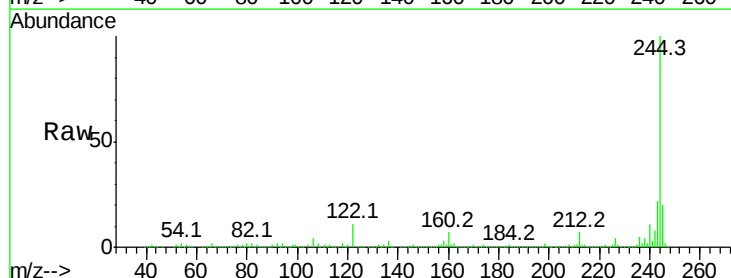
RT: 12.83 min Scan# 940

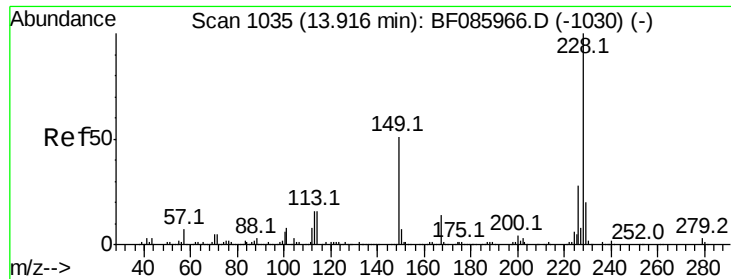
Delta R.T. -0.05 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	946661		
212	7.2		6.1	9.1
122	11.3		10.2	15.4





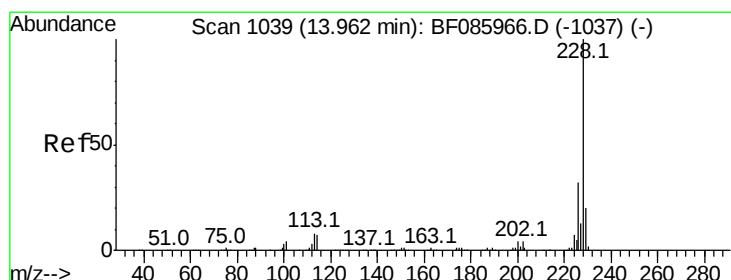
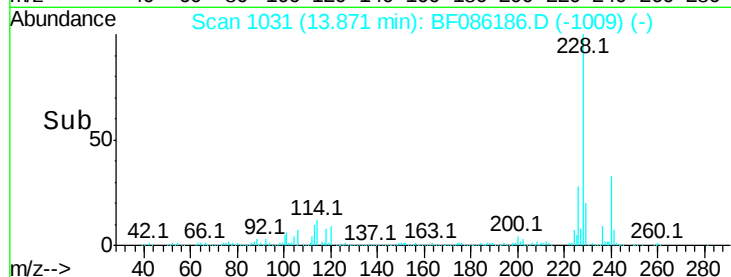
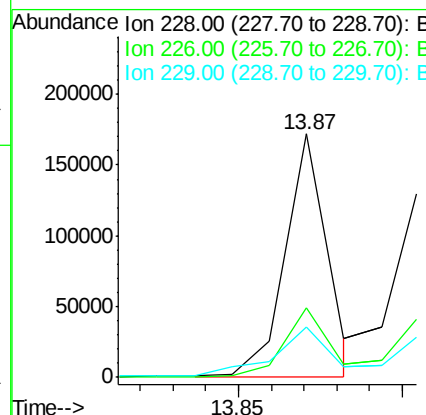
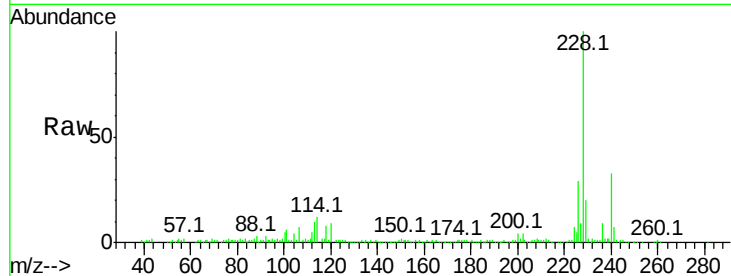
#80
Benzo(a)anthracene
Concen: 11.50 ng m
RT: 13.87 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF086186.D
Acq: 8 Apr 2016 23:41

Instrument :
BNA_F
ClientSampleId :
B3-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.1	33.1
229	20.5	16.2	24.4

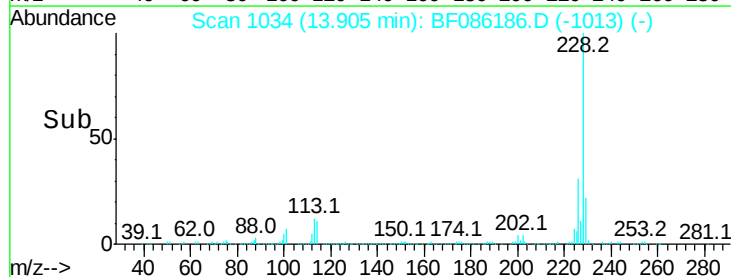
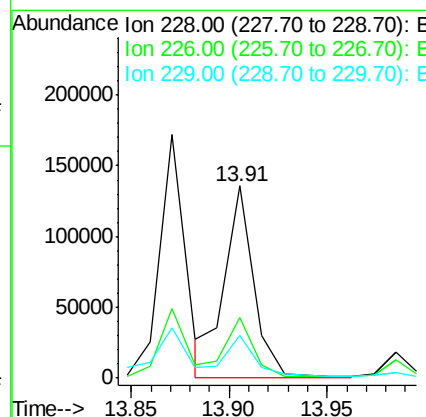
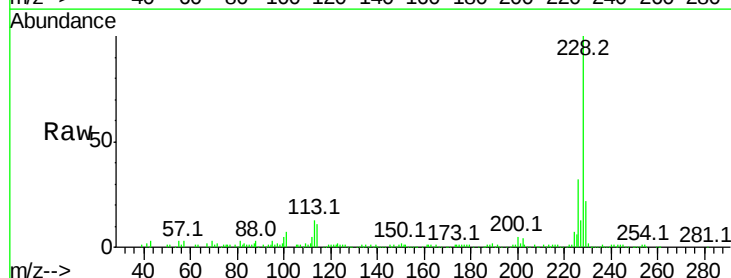
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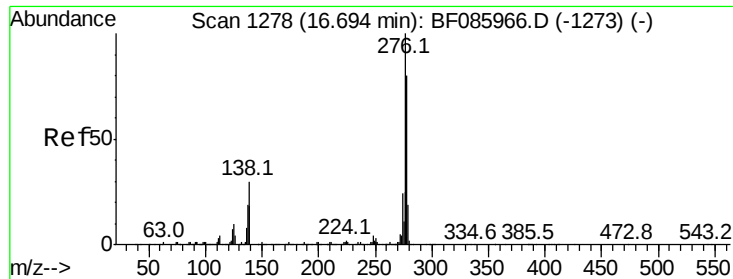
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#82
Chrysene
Concen: 10.92 ng m
RT: 13.91 min Scan# 1034
Delta R.T. -0.06 min
Lab File: BF086186.D
Acq: 8 Apr 2016 23:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	21.9	15.7	23.5





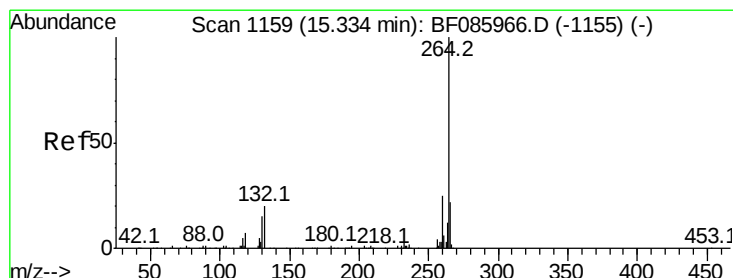
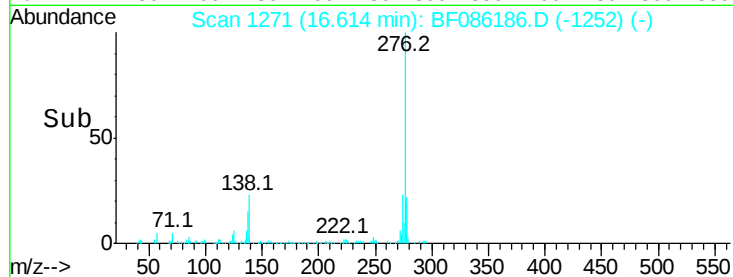
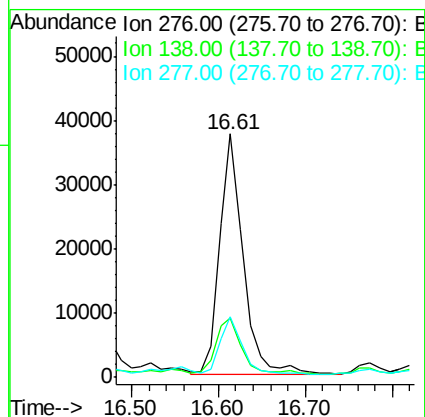
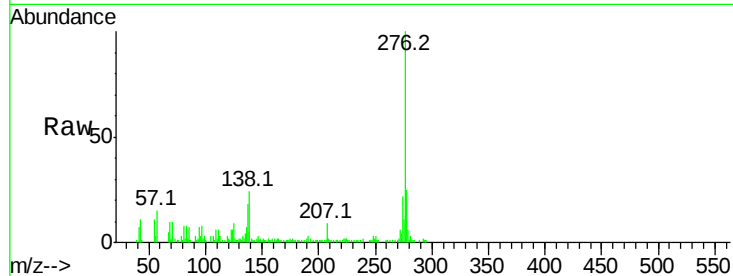
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.70 ng
RT: 16.61 min Scan# 1271
Delta R.T. -0.08 min
Lab File: BF086186.D
Acq: 8 Apr 2016 23:41

Instrument :
BNA_F
ClientSampleId :
B3-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.0	24.2	36.4
277	23.1	20.0	30.0

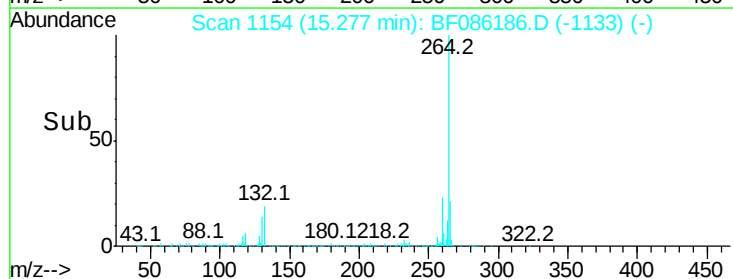
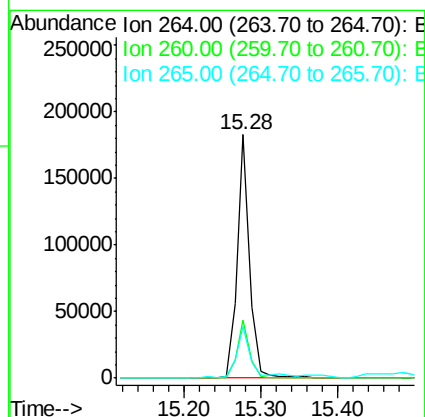
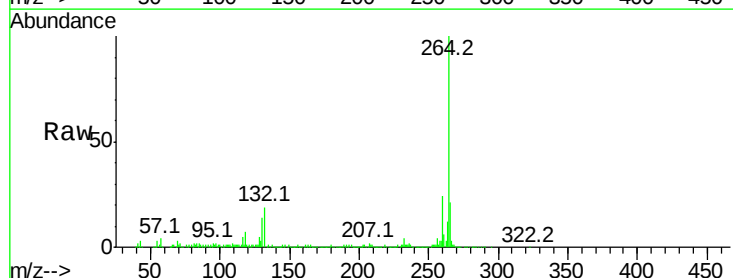
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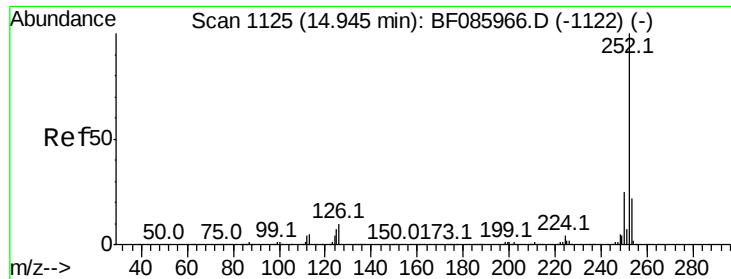
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.06 min
Lab File: BF086186.D
Acq: 8 Apr 2016 23:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 11.93 ng m

RT: 14.89 min Scan# 1120

Delta R.T. -0.06 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

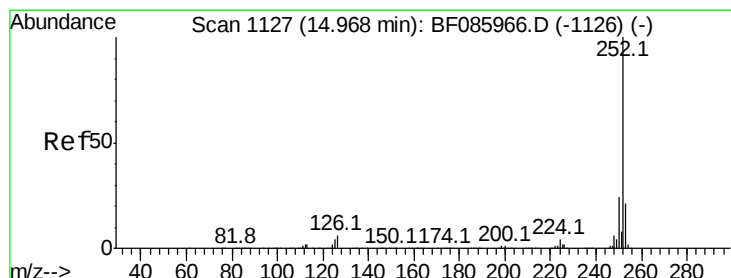
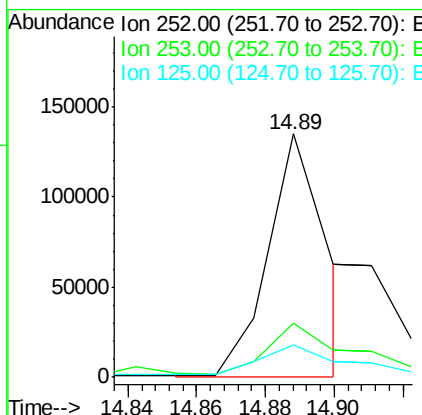
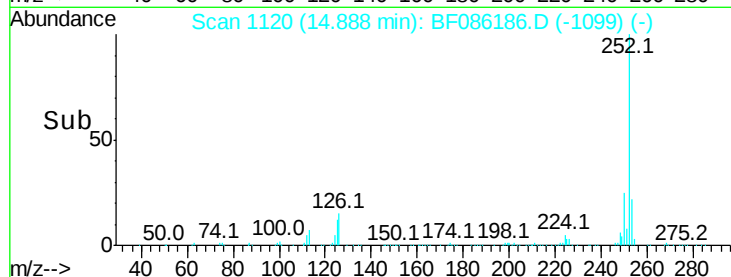
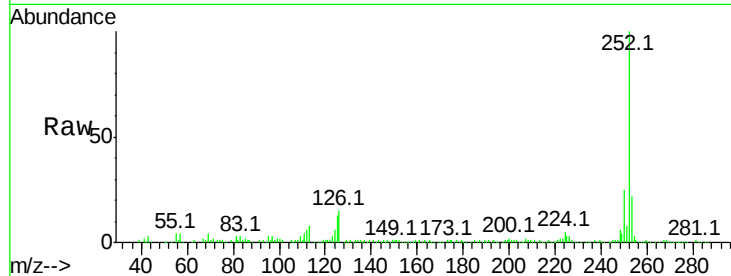
ClientSampleId :

B3-COMP

Tot Ion:	252	Resp:	158796
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.6	26.4
125	13.1	10.3	15.5

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 5.34 ng m

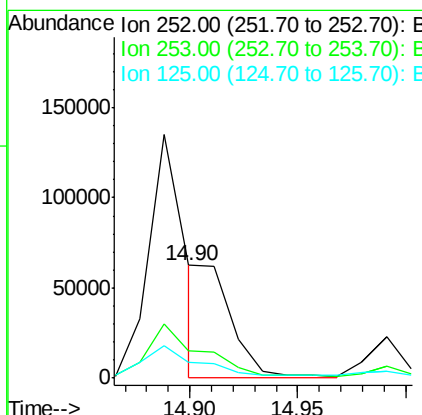
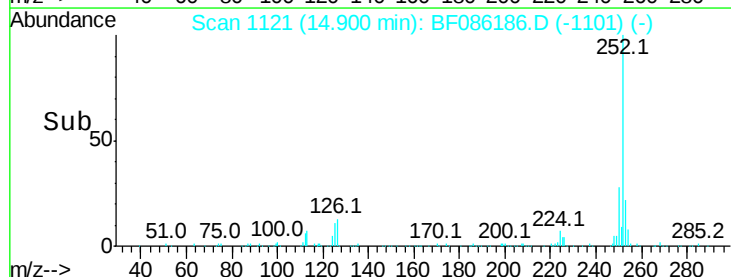
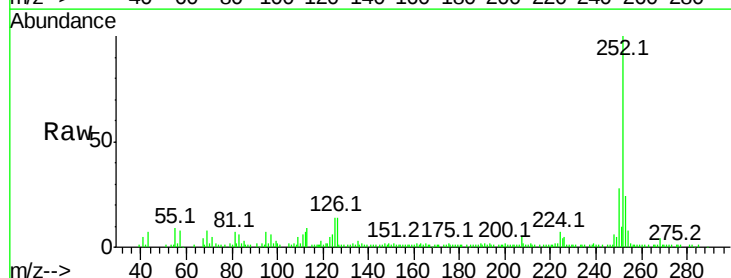
RT: 14.90 min Scan# 1121

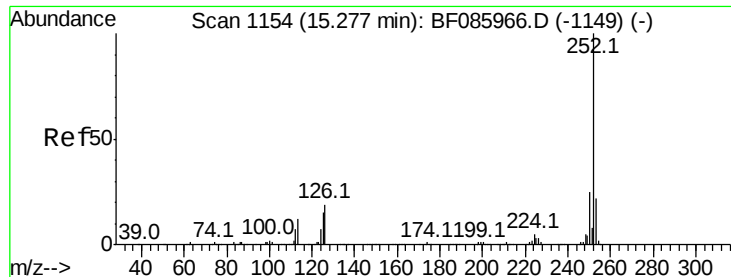
Delta R.T. -0.07 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Tgt Ion:	252	Resp:	62960
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.8	26.6
125	14.4	7.7	11.5#





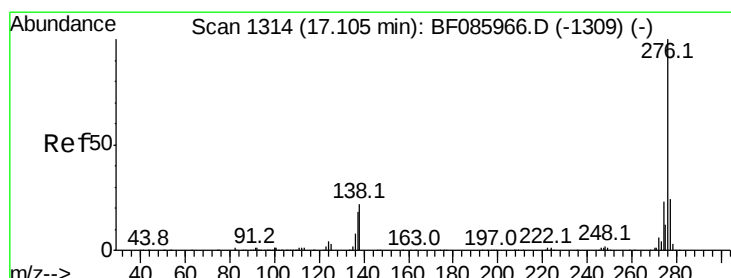
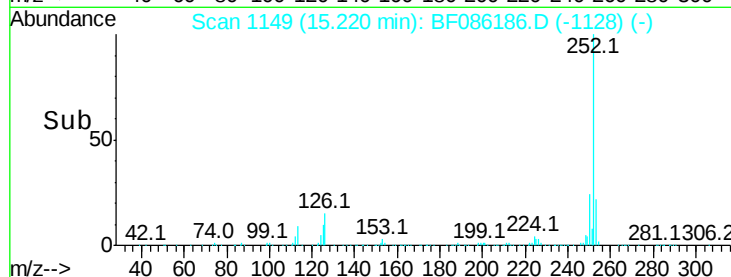
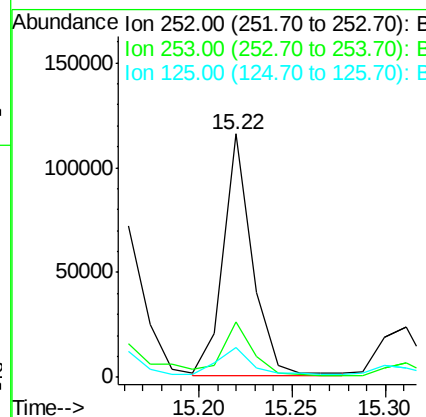
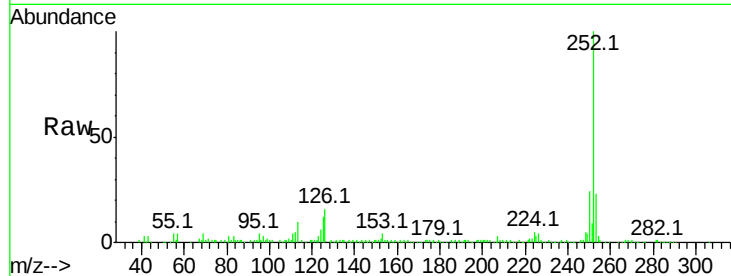
#89
Benzo(a)pyrene
Concen: 10.68 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.06 min
Lab File: BF086186.D
Acq: 8 Apr 2016 23:41

Instrument :
BNA_F
ClientSampleId :
B3-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	12.0	10.3	15.5

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.22 ng
RT: 17.01 min Scan# 1306
Delta R.T. -0.09 min
Lab File: BF086186.D
Acq: 8 Apr 2016 23:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.8	28.2
138	26.4	22.6	34.0

