

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
 Data File : BF086046.D
 Acq On : 4 Apr 2016 19:16
 Operator : UM/SJ
 Sample : H2180-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK2-3-20160401

Manual Integrations
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Quant Time: Apr 05 02:10:31 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	6.76	152	123174	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	447589	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	189064	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	258575	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	210180	20.00	ng	0.00
86) Perylene-d12	15.32	264	162075	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	820883	113.91	ng	-0.01
7) Phenol-d6	6.42	99	1125201	122.93	ng	0.00
23) Nitrobenzene-d5	7.33	82	666278	87.79	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	176237	99.31	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	885275	77.85	ng	-0.01
78) Terphenyl-d14	12.88	244	526162	58.85	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.66	152	38273	2.02	ng	# 85
49) Dimethylphthalate	9.53	163	101139	7.22	ng	# 99
51) Acenaphthene	9.84	154	29774	2.64	ng	91
57) Fluorene	10.35	166	36188	2.85	ng	# 92
70) Phenanthrene	11.31	178	279723	19.83	ng	97
71) Anthracene	11.37	178	77181m	5.22	ng	
72) Carbazole	11.53	167	30648	2.41	ng	# 71
74) Fluoranthene	12.50	202	353213	24.07	ng	96
77) Pyrene	12.73	202	342302	23.11	ng	99
80) Benzo(a)anthracene	13.92	228	177393	14.32	ng	94
82) Chrysene	13.95	228	153084m	12.83	ng	
83) Bis(2-ethylhexyl)phthalate	13.91	149	44005	4.97	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.68	276	66856m	6.90	ng	
87) Benzo(b)fluoranthene	14.93	252	173560m	17.02	ng	
88) Benzo(k)fluoranthene	14.96	252	58006m	6.42	ng	
89) Benzo(a)pyrene	15.27	252	114117	12.63	ng	# 92
90) Dibenzo(a,h)anthracene	16.68	278	15573	2.14	ng	# 77
91) Benzo(g,h,i)perylene	17.09	276	61912	8.80	ng	97

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

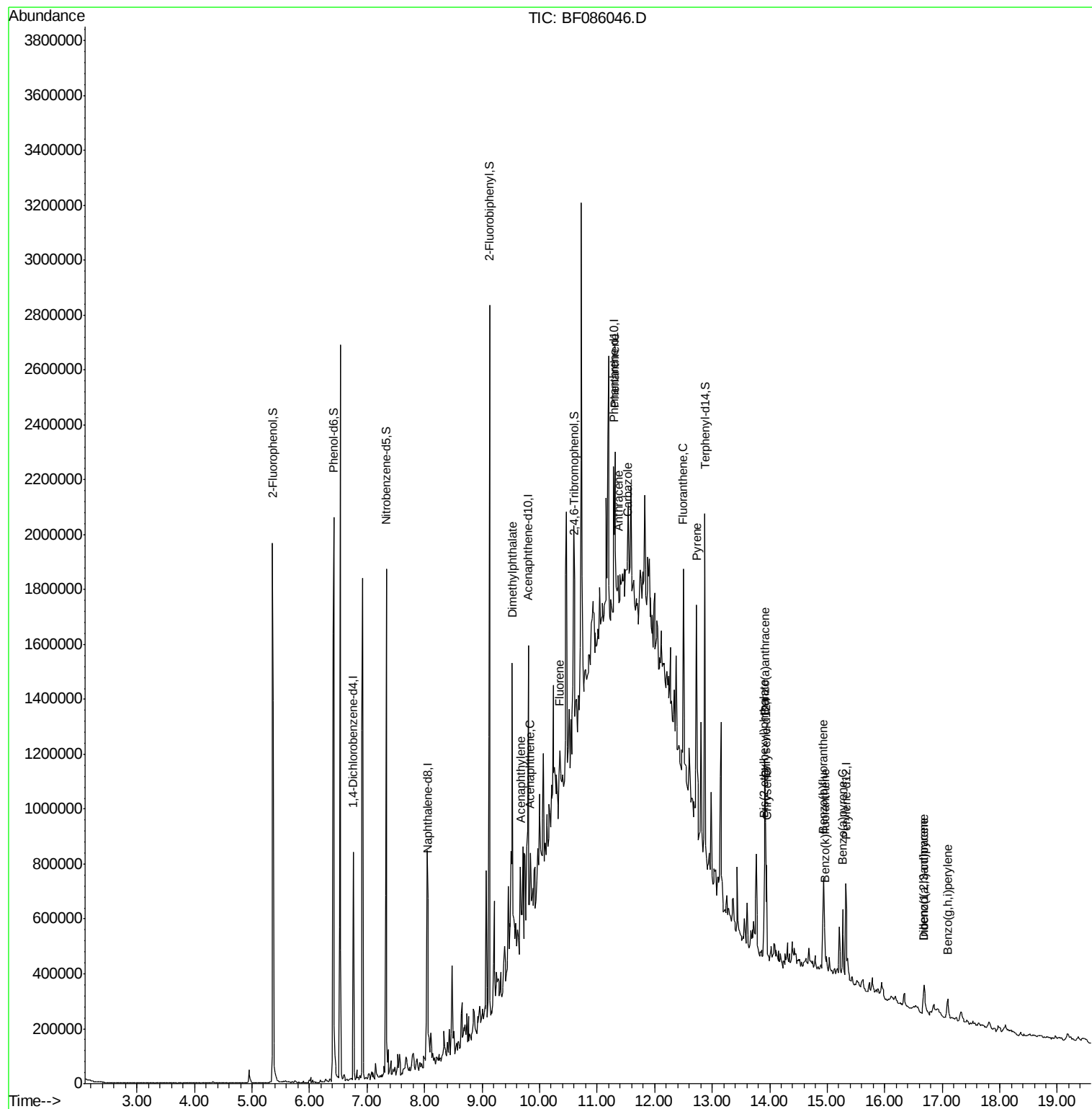
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
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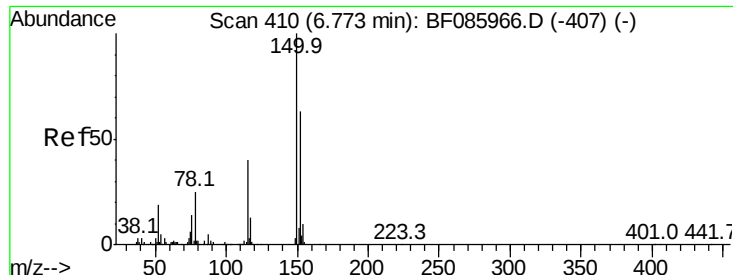
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Quant Time: Apr 05 02:10:31 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF086046.D

Acq: 4 Apr 2016 19:16

Instrument :

BNA_F

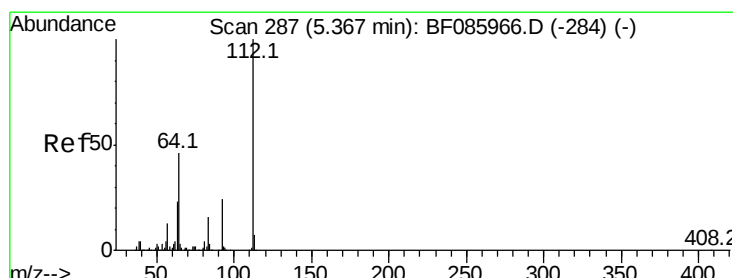
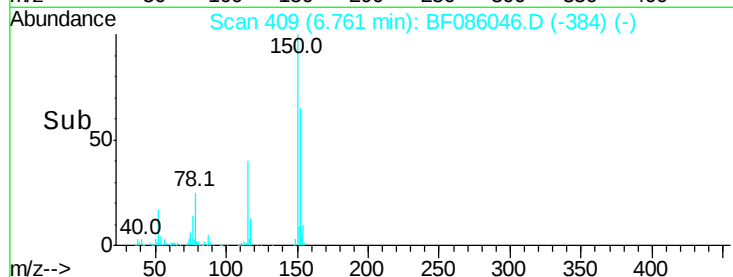
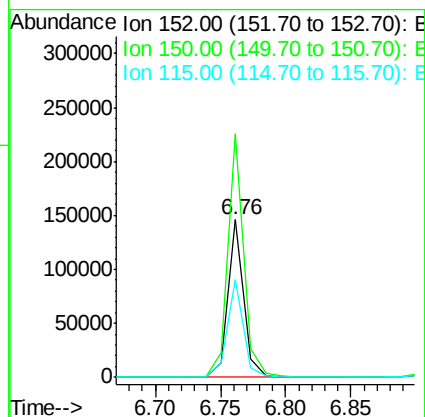
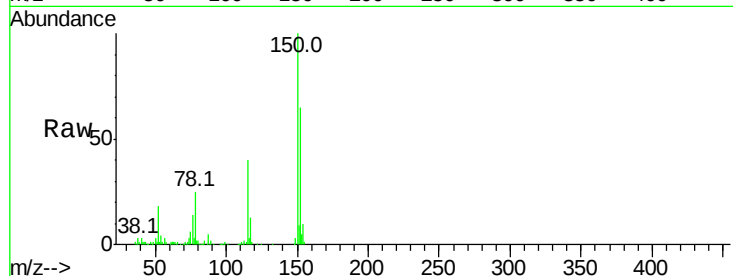
ClientSampleId :

TK2-3-20160401

Tot Ion:	152	Resp:	123174
Ion Ratio	Lower	Upper	
152	100		
150	154.8	124.2	186.2
115	62.5	47.0	70.6

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#5

2-Fluorophenol

Concen: 113.91 ng

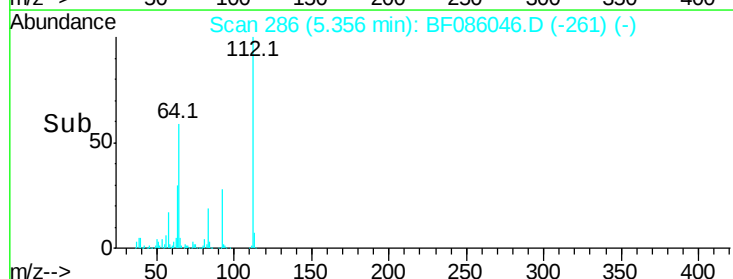
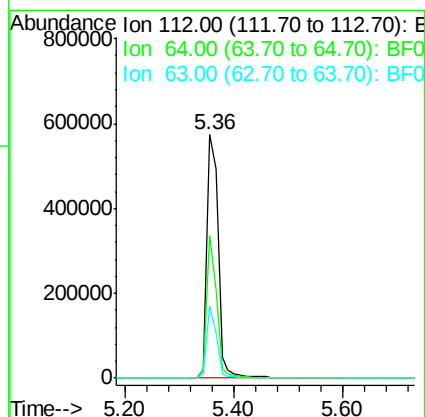
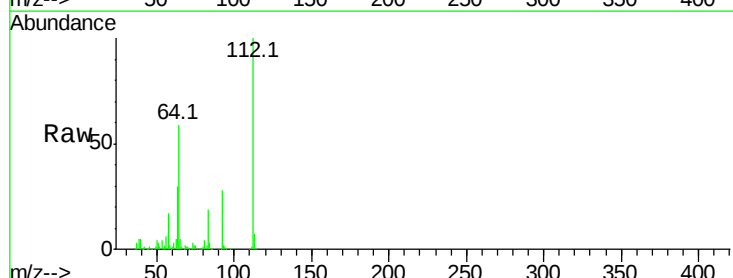
RT: 5.36 min Scan# 286

Delta R.T. -0.01 min

Lab File: BF086046.D

Acq: 4 Apr 2016 19:16

Tgt Ion:	112	Resp:	820883
Ion Ratio	Lower	Upper	
112	100		
64	58.7	39.9	59.9
63	29.6	20.2	30.2





#7

Phenol-d6

Concen: 122.93 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF086046.D

Acq: 4 Apr 2016 19:16

Instrument :

BNA_F

ClientSampleId :

TK2-3-20160401

Tot Ion: 99 Resp: 1125201

Ion Ratio Lower Upper

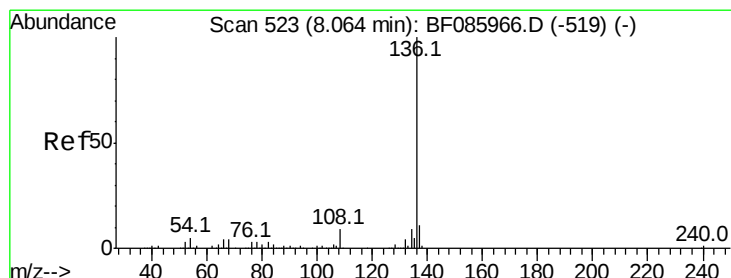
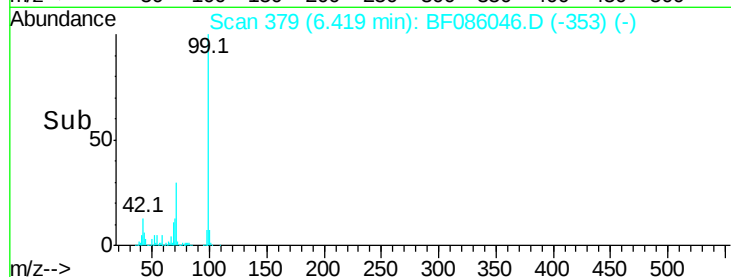
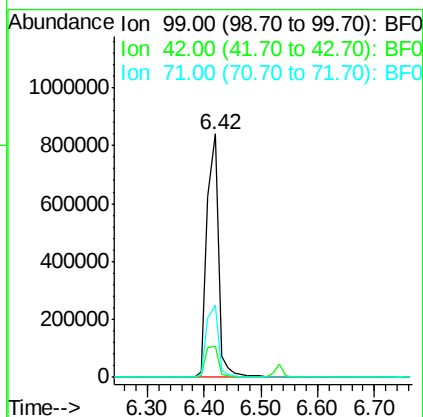
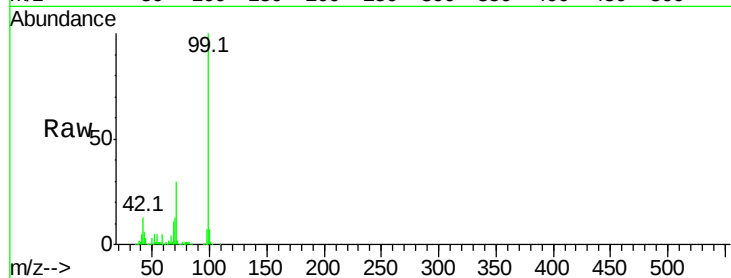
99 100

42 12.8 11.1 16.7

71 29.8 24.9 37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF086046.D

Acq: 4 Apr 2016 19:16

Tgt Ion: 136 Resp: 447589

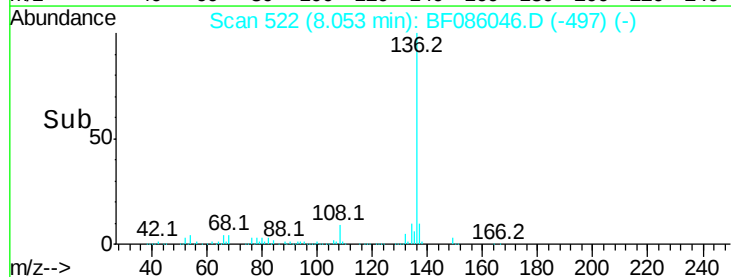
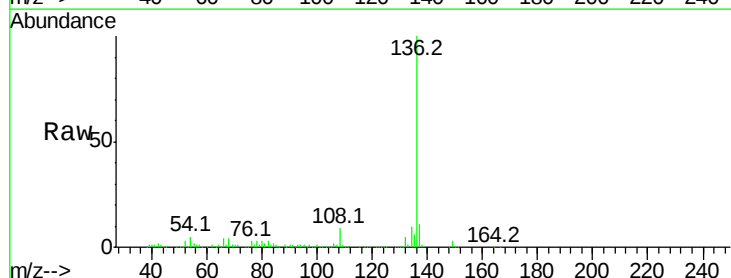
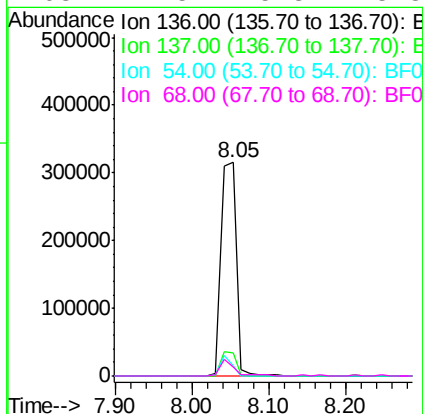
Ion Ratio Lower Upper

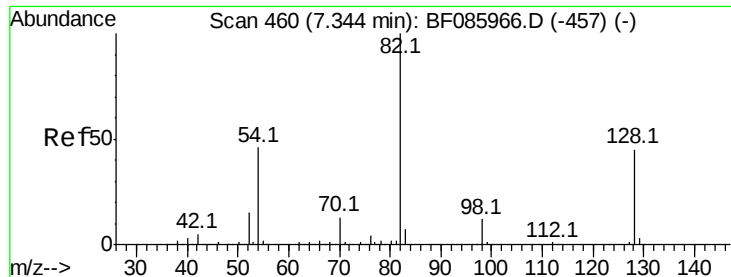
136 100

137 10.5 9.1 13.7

54 4.6 7.4 11.0#

68 4.5 5.8 8.8#





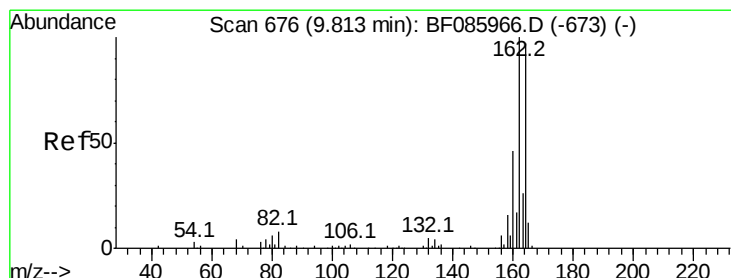
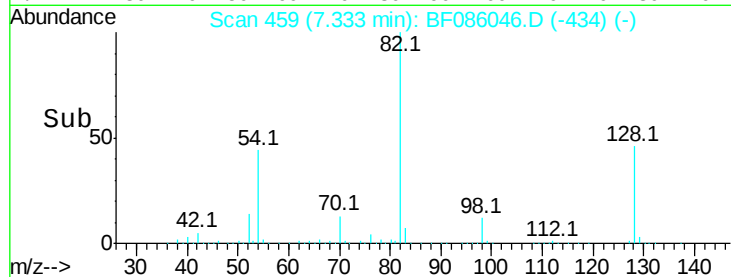
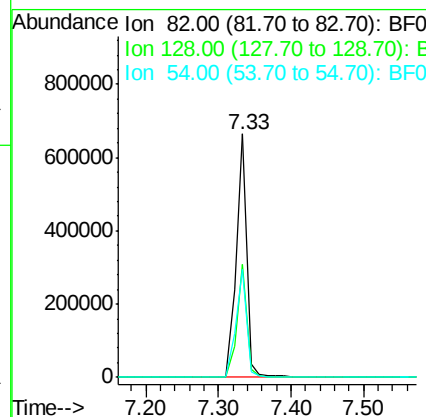
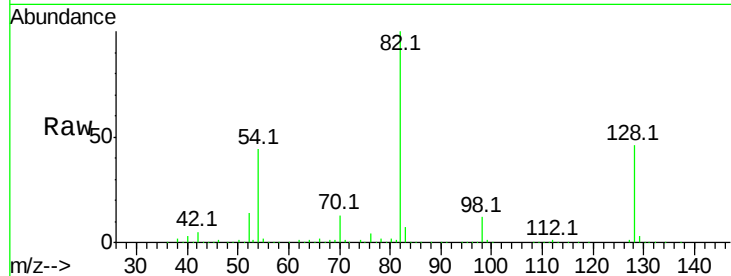
#23
 Nitrobenzene-d5
 Concen: 87.79 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF086046.D
 Acq: 4 Apr 2016 19:16

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100	666278		
128	46.2		41.8	62.8
54	44.3		33.4	50.0

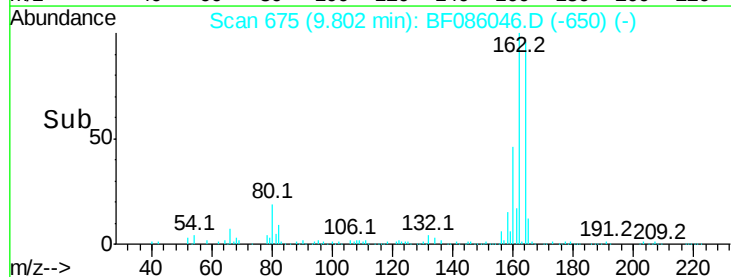
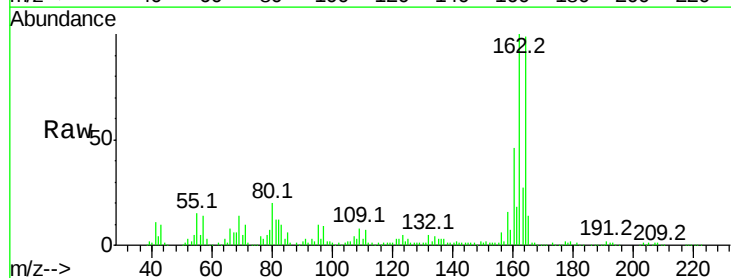
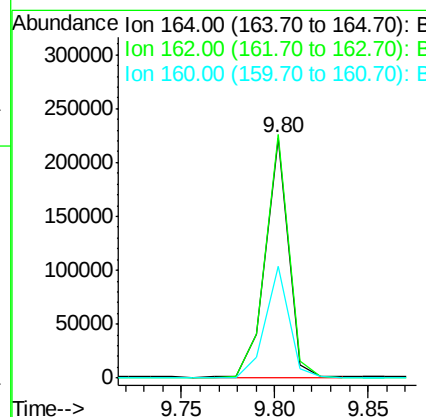
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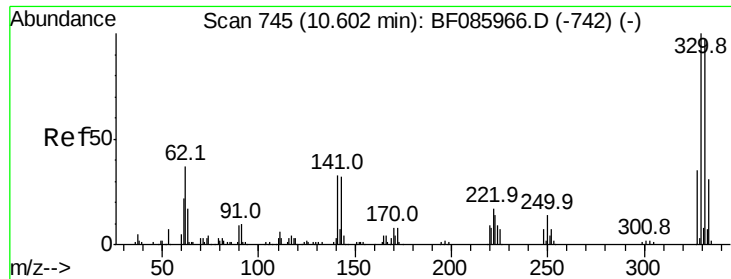
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF086046.D
 Acq: 4 Apr 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	189064		
162	101.4		82.1	123.1
160	46.3		37.4	56.2





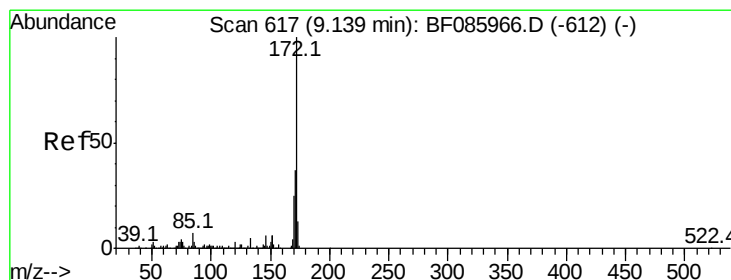
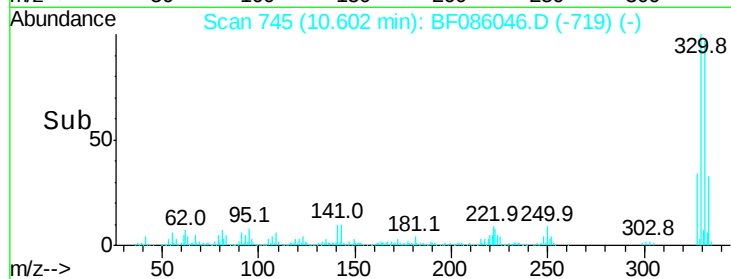
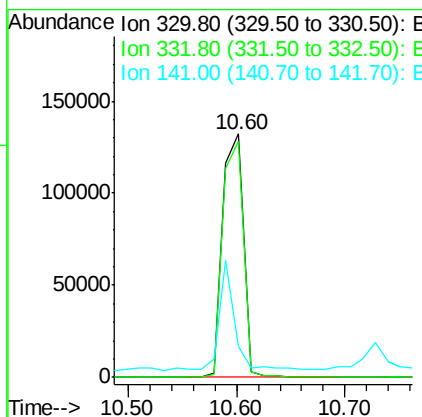
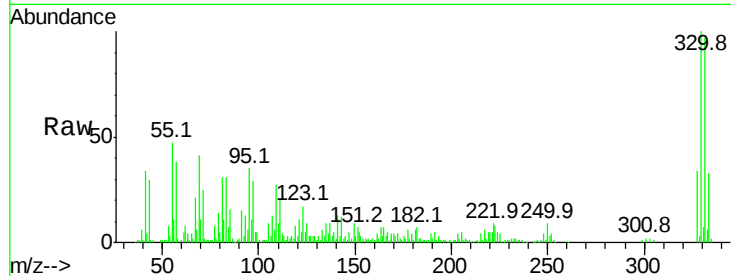
#41
 2,4,6-Tribromophenol
 Concen: 99.31 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF086046.D
 Acq: 4 Apr 2016 19:16

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100	176237		
332	96.8	78.2	117.2	
141	35.2	31.5	47.3	

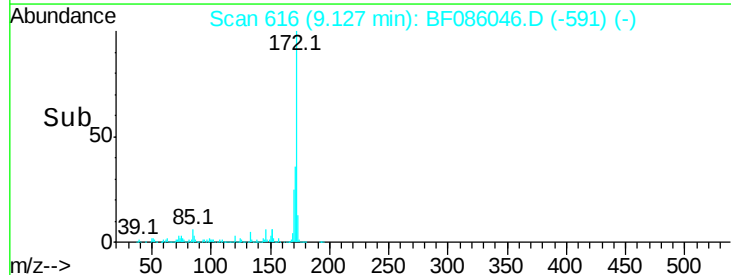
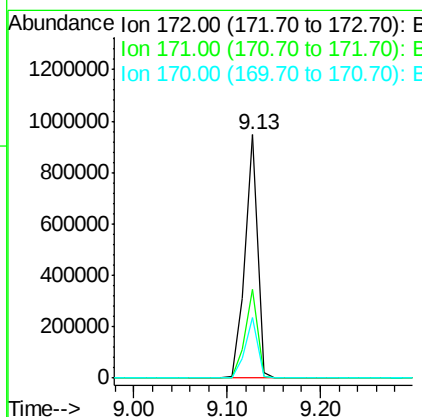
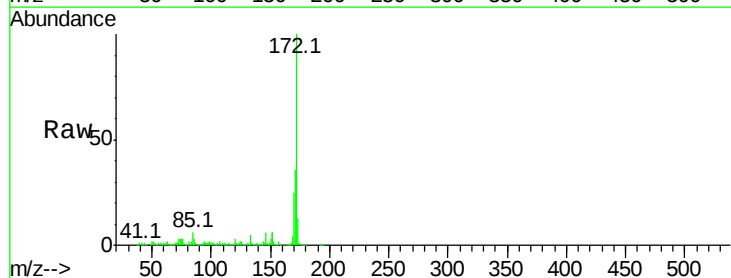
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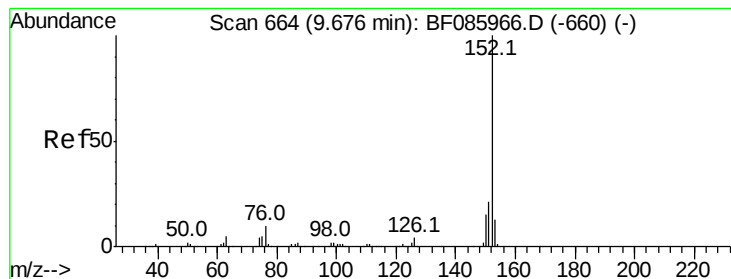
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#44
 2-Fluorobiphenyl
 Concen: 77.85 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086046.D
 Acq: 4 Apr 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	885275		
171	36.3	29.4	44.2	
170	24.6	19.8	29.6	





#48

Acenaphthylene

Concen: 2.02 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF086046.D

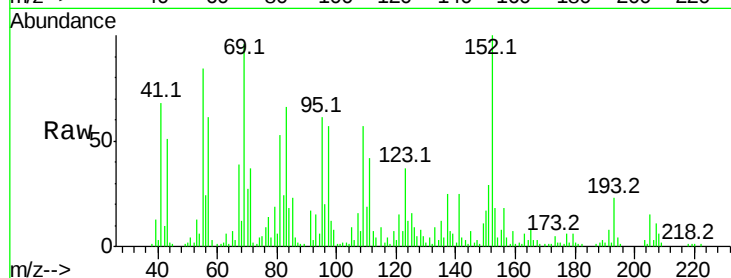
Acq: 4 Apr 2016 19:16

Instrument :

BNA_F

ClientSampleId :

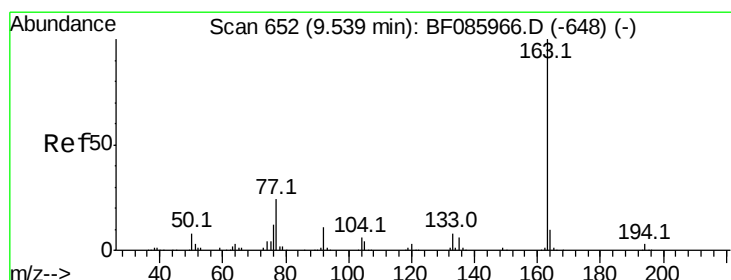
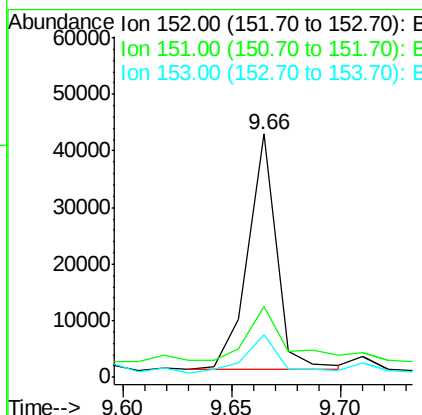
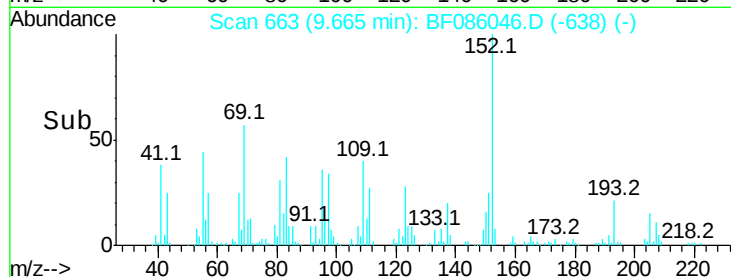
TK2-3-20160401



Tot Ion	152	Resp	38273
Ion Ratio	Lower	Upper	
152	100		
151	29.1	16.8	25.2#
153	17.7	10.9	16.3#

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#49

Dimethylphthalate

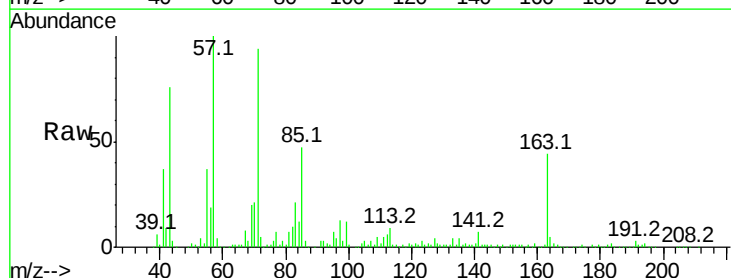
Concen: 7.22 ng

RT: 9.53 min Scan# 651

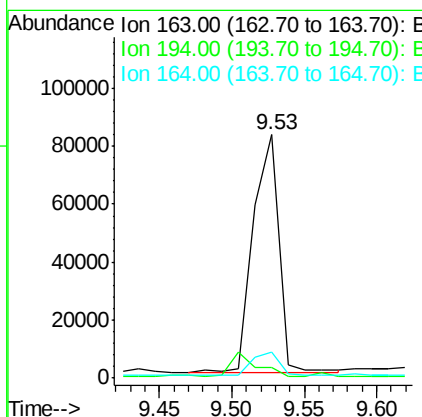
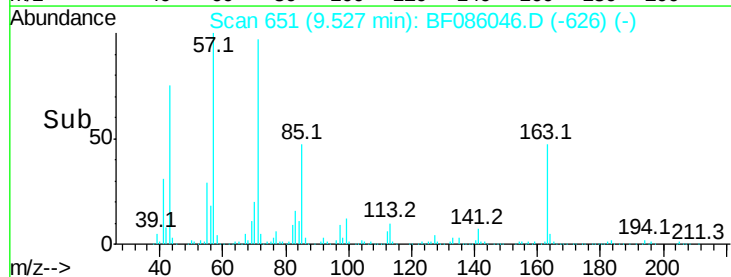
Delta R.T. -0.01 min

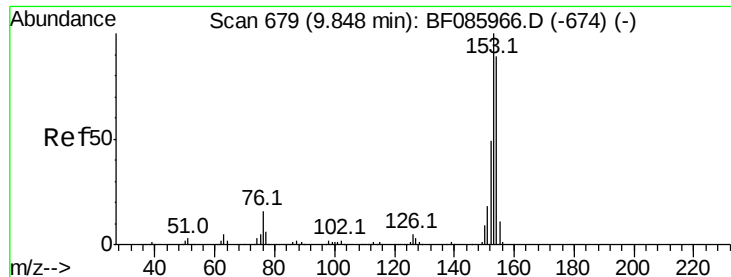
Lab File: BF086046.D

Acq: 4 Apr 2016 19:16



Tgt Ion	163	Resp	101139
Ion Ratio	Lower	Upper	
163	100		
194	4.4	2.9	4.3#
164	10.4	8.3	12.5





#51

Acenaphthene

Concen: 2.64 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF086046.D

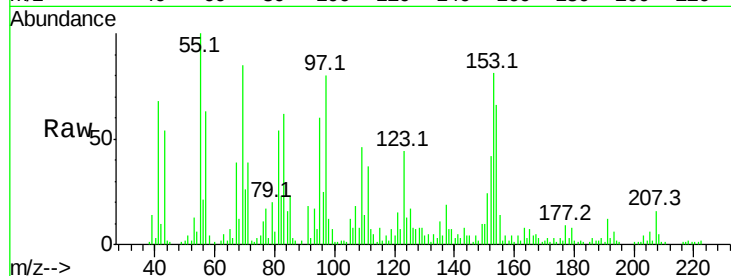
Acq: 4 Apr 2016 19:16

Instrument :

BNA_F

ClientSampleId :

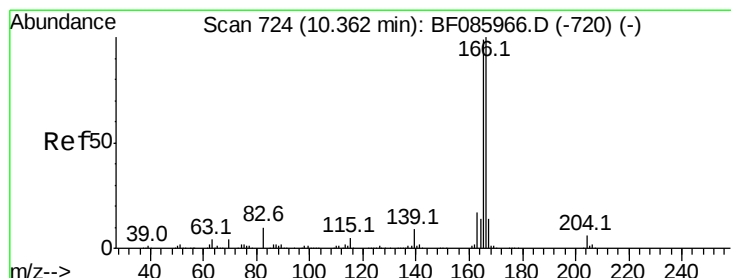
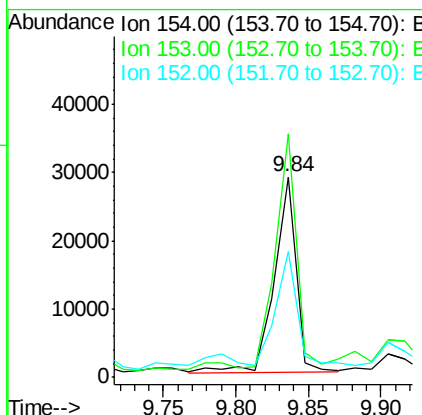
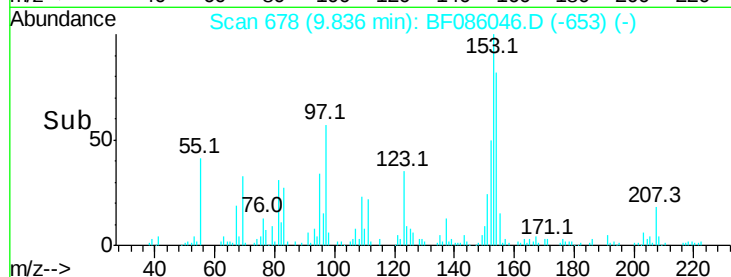
TK2-3-20160401



Tot Ion:	154	Resp:	29774
Ion Ratio	Lower	Upper	
154	100		
153	121.4	90.1	135.1
152	62.7	44.2	66.2

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#57

Fluorene

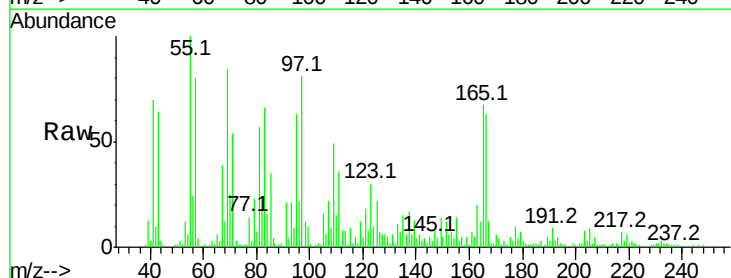
Concen: 2.85 ng

RT: 10.35 min Scan# 723

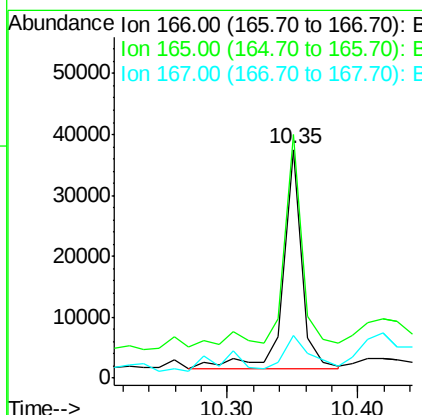
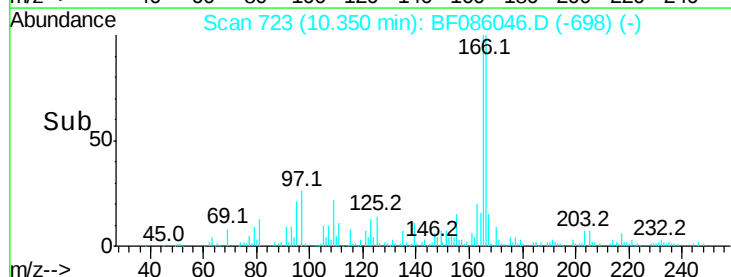
Delta R.T. -0.01 min

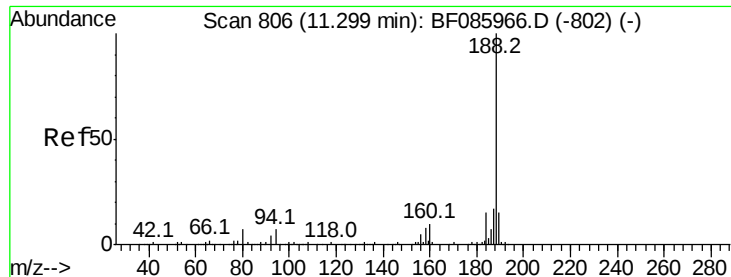
Lab File: BF086046.D

Acq: 4 Apr 2016 19:16



Tgt Ion:	166	Resp:	36188
Ion Ratio	Lower	Upper	
166	100		
165	106.5	79.4	119.0
167	18.5	11.0	16.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF086046.D

Acq: 4 Apr 2016 19:16

Instrument :

BNA_F

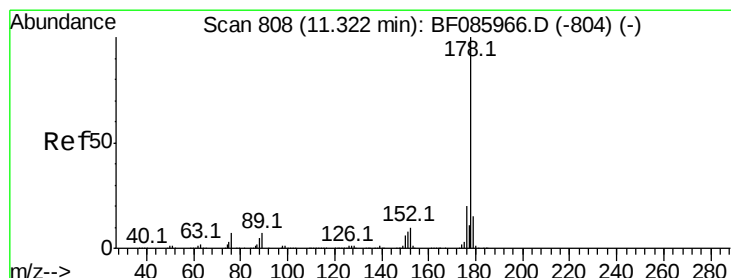
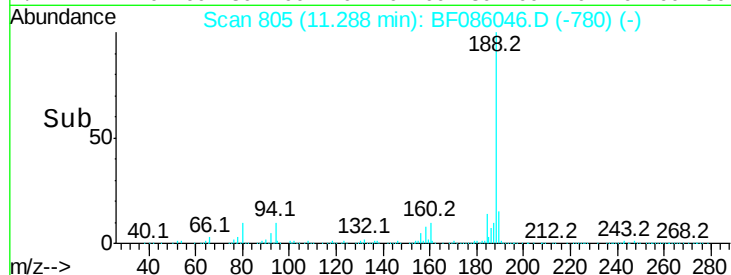
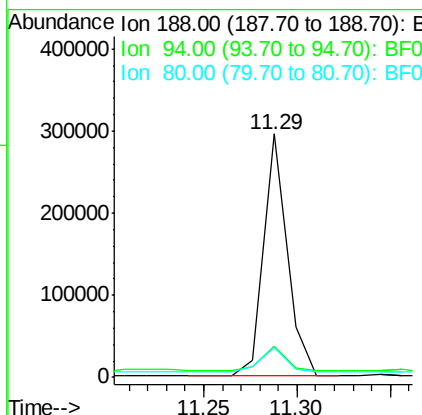
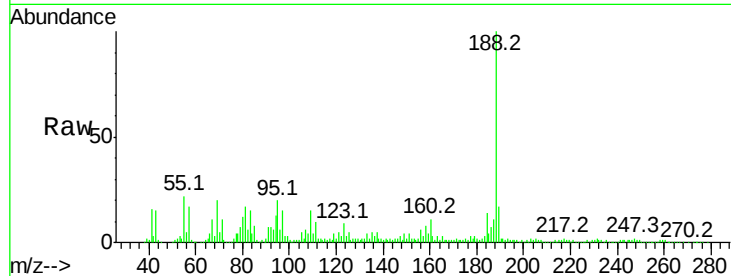
ClientSampleId :

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Tot Ion:	188	Resp:	258575
Ion Ratio	Lower	Upper	
188	100		
94	12.6	5.4	8.0#
80	12.4	5.5	8.3#

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#70

Phenanthrene

Concen: 19.83 ng

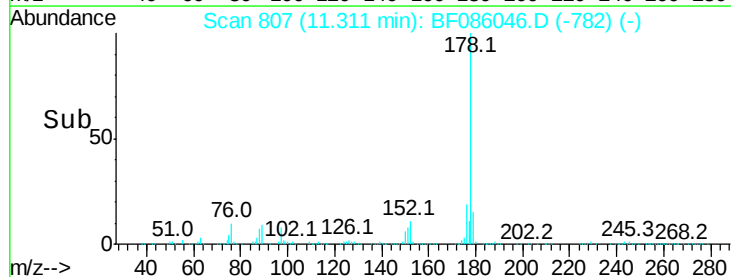
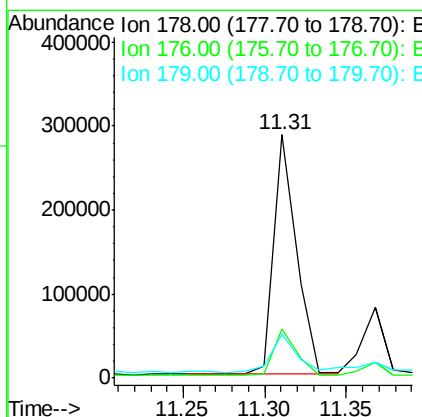
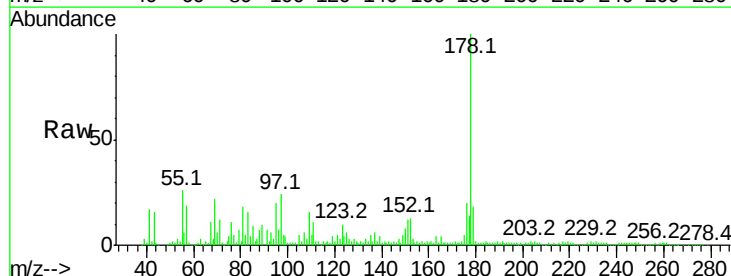
RT: 11.31 min Scan# 807

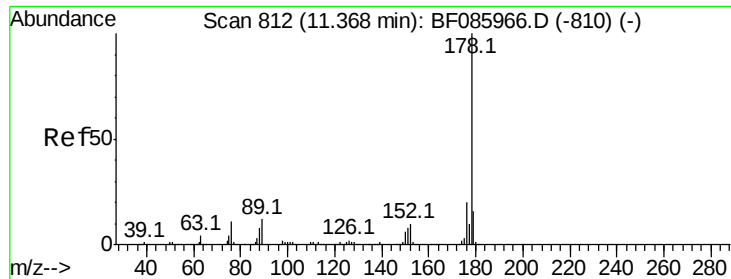
Delta R.T. -0.01 min

Lab File: BF086046.D

Acq: 4 Apr 2016 19:16

Tgt Ion:	178	Resp:	279723
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.3	24.5
179	17.9	12.6	18.8





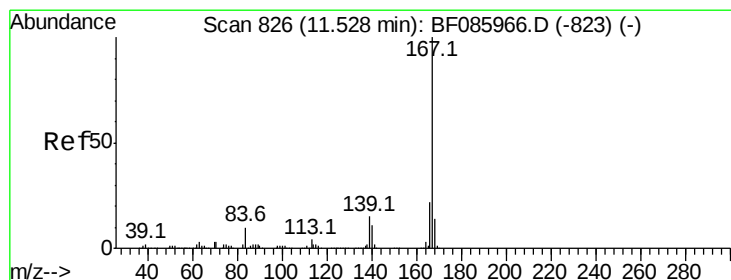
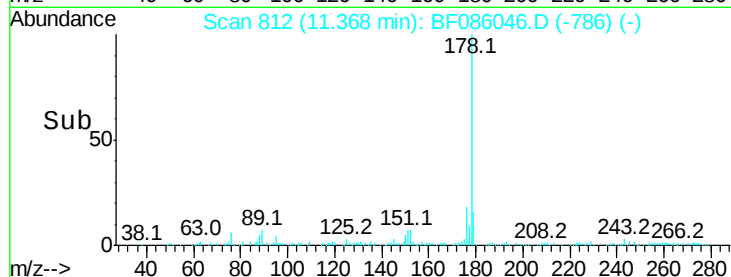
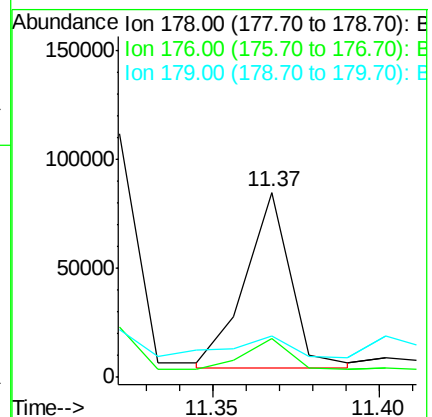
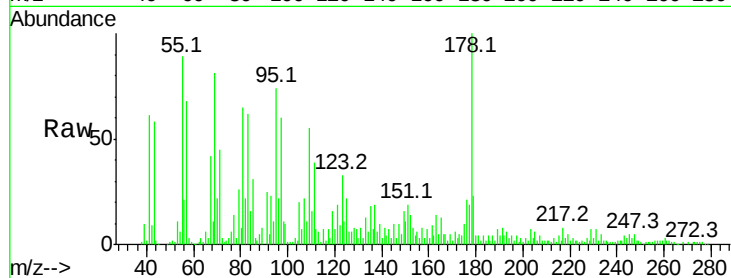
#71
 Anthracene
 Concen: 5.22 ng m
 RT: 11.37 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF086046.D
 Acq: 4 Apr 2016 19:16

Instrument :
 BNA_F
 ClientSampleId :
 TK2-3-20160401

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	21.3	15.9	23.9	
179	22.6	13.0	19.4	

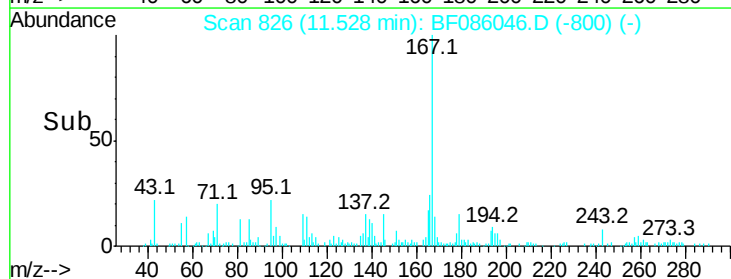
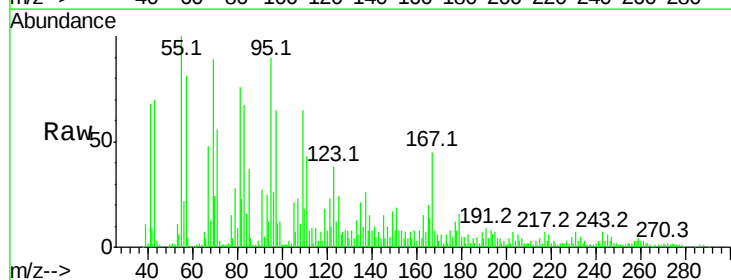
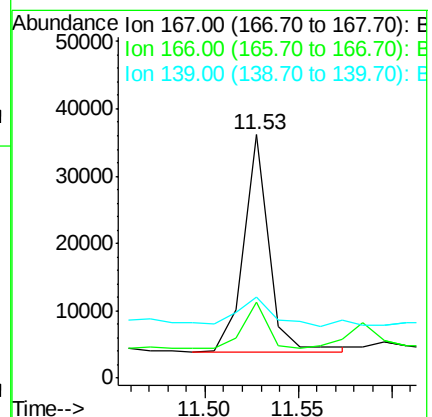
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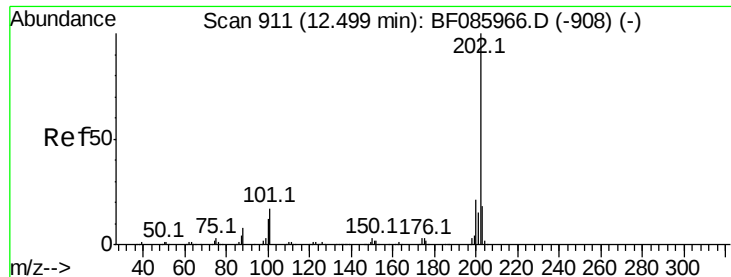
Sohil
 4/5/2016 6:39:07 PM



#72
 Carbazole
 Concen: 2.41 ng
 RT: 11.53 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF086046.D
 Acq: 4 Apr 2016 19:16

Tgt Ion	Ion	Ratio	Lower	Upper
167	100			
166	31.1	17.8	26.8	
139	33.5	11.6	17.4	





#74

Fluoranthene

Concen: 24.07 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF086046.D

Acq: 4 Apr 2016 19:16

Instrument :

BNA_F

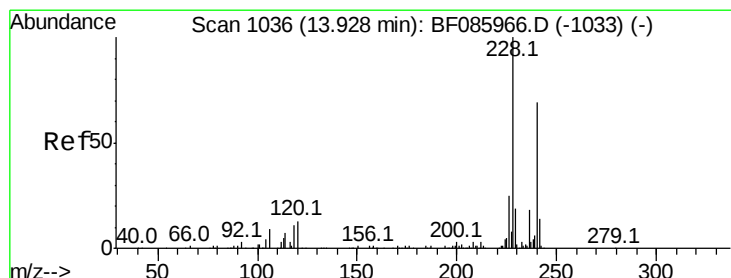
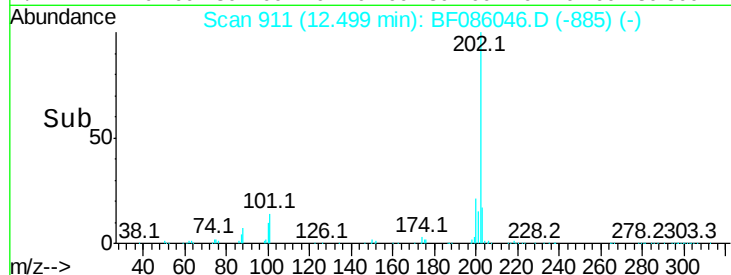
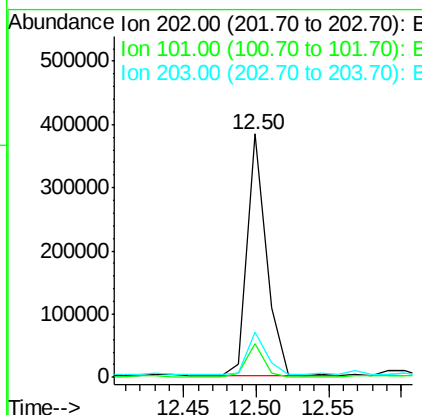
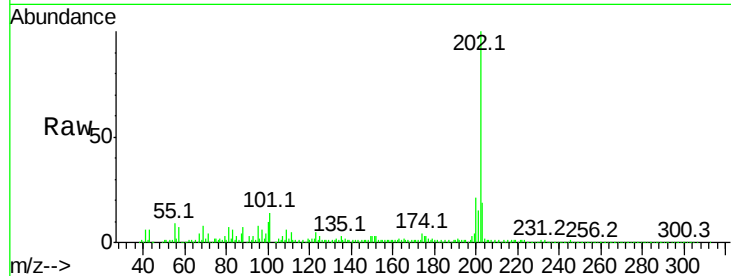
ClientSampleId :

TK2-3-20160401

Tot Ion	Ratio	Resp	Lower	Upper
202	100	353213		
101	14.0	0.0	36.6	
203	18.7	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

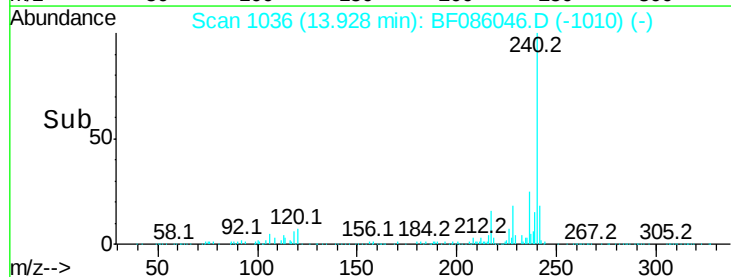
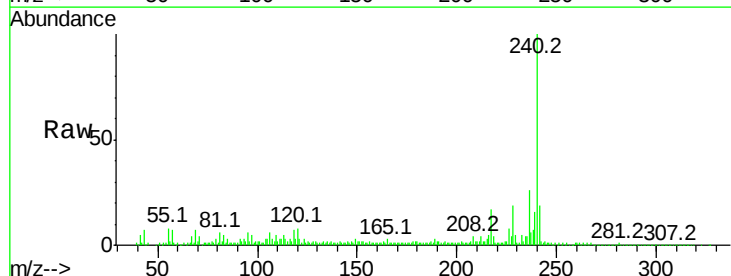
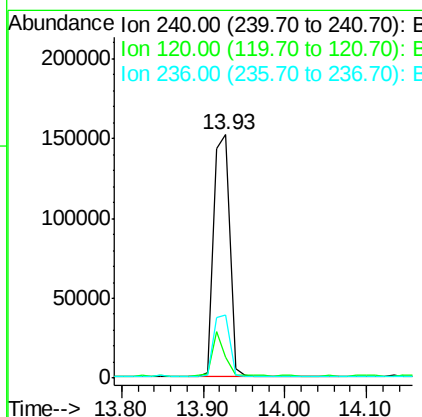
RT: 13.93 min Scan# 1036

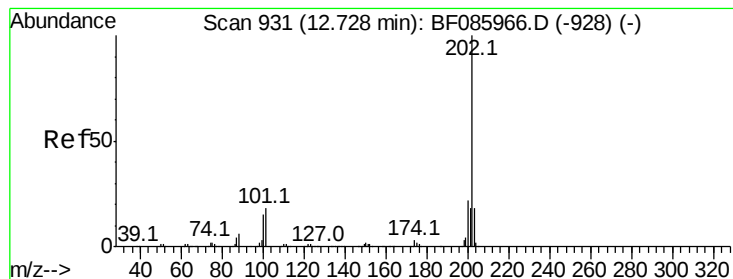
Delta R.T. 0.00 min

Lab File: BF086046.D

Acq: 4 Apr 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	210180		
120	8.4	13.8	20.8#	
236	26.1	20.6	30.8	





#77

Pvrene

Concen: 23.11 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF086046.D

Acq: 4 Apr 2016 19:16

Instrument :

BNA_F

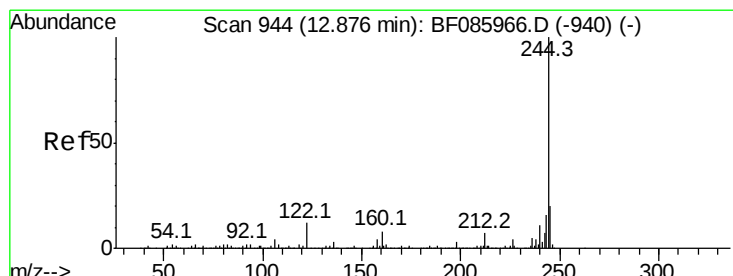
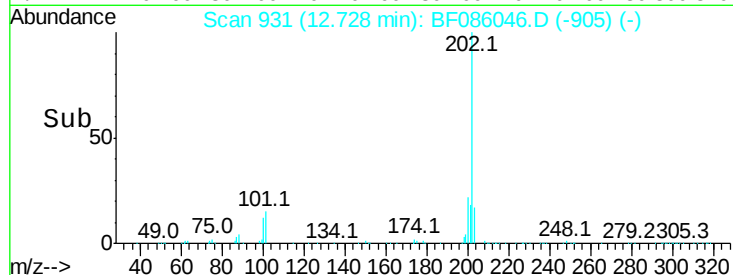
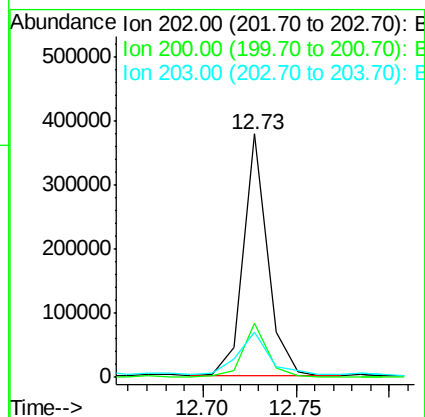
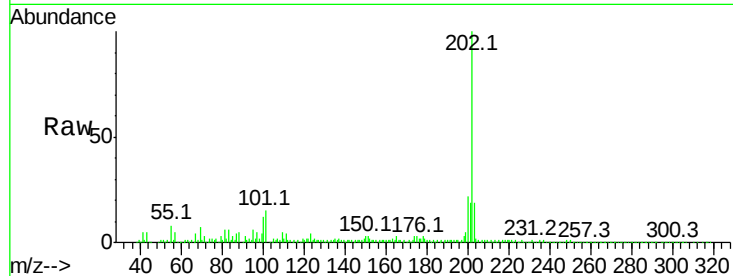
ClientSampleId :

TK2-3-20160401

Tot Ion:	202	Resp:	342302
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.6	26.4
203	18.7	14.0	21.0

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#78

Terphenyl-d14

Concen: 58.85 ng

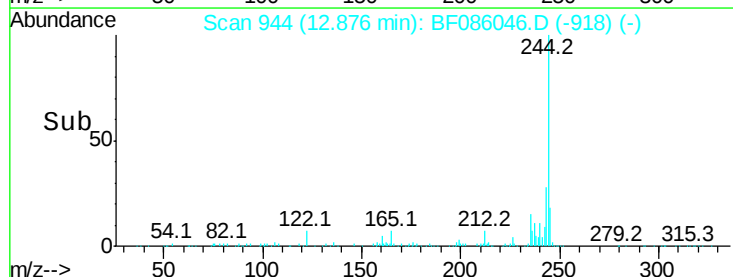
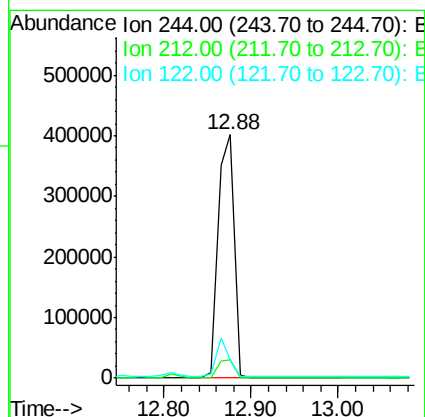
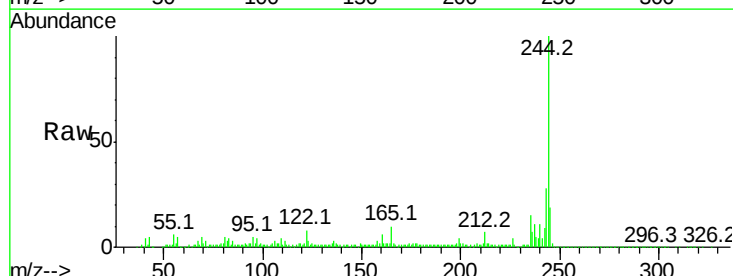
RT: 12.88 min Scan# 944

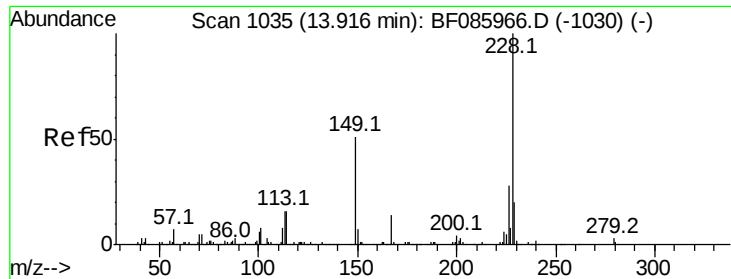
Delta R.T. 0.00 min

Lab File: BF086046.D

Acq: 4 Apr 2016 19:16

Tgt Ion:	244	Resp:	526162
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.1	9.1
122	7.6	10.2	15.4#





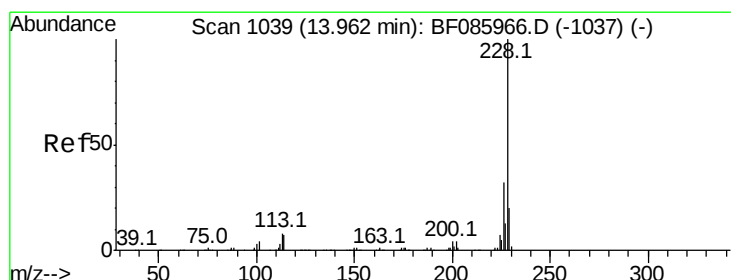
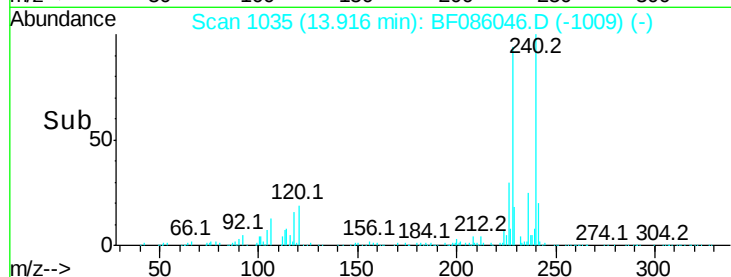
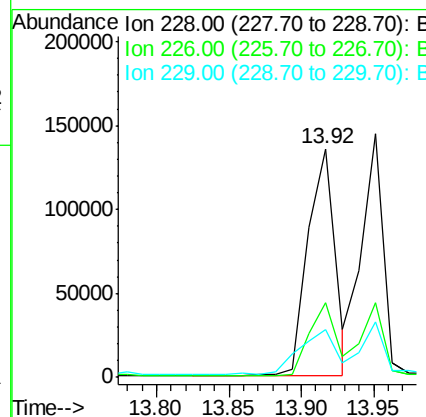
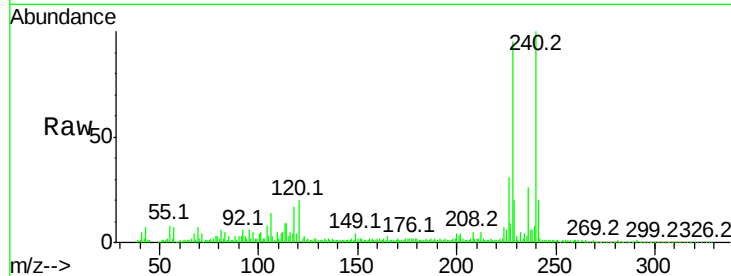
#80
Benzo(a)anthracene
Concen: 14.32 ng
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF086046.D
Acq: 4 Apr 2016 19:16

Instrument :
BNA_F
ClientSampleId :
TK2-3-20160401

Tot Ion	Ratio	Resp	Lower	Upper
228	100	177393		
226	32.5		22.1	33.1
229	20.9		16.2	24.4

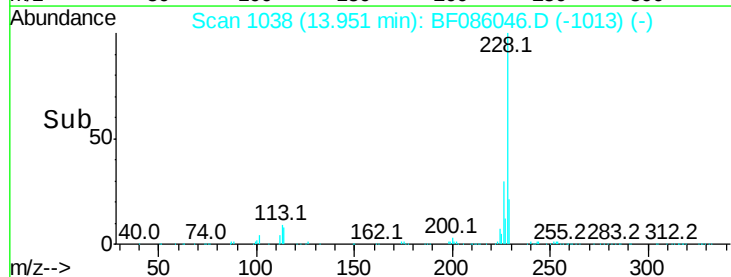
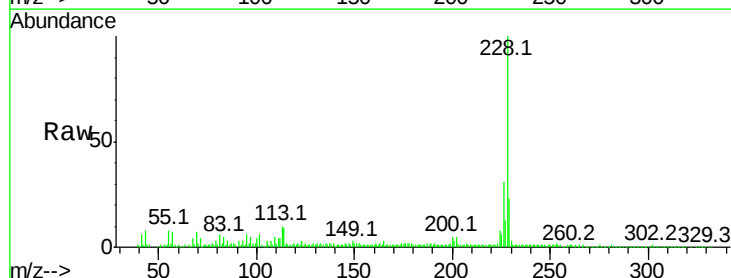
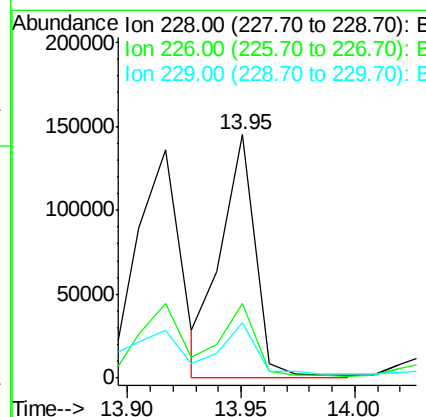
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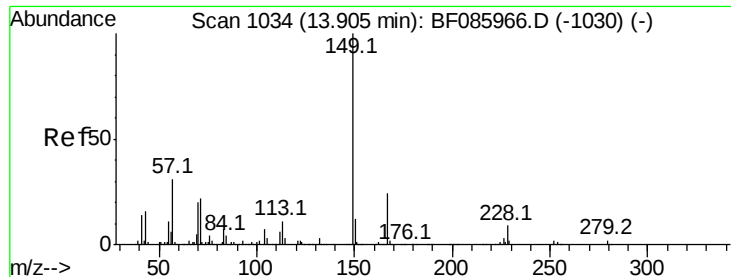
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#82
Chrysene
Concen: 12.83 ng m
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF086046.D
Acq: 4 Apr 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	153084		
226	30.7		25.0	37.6
229	22.5		15.7	23.5





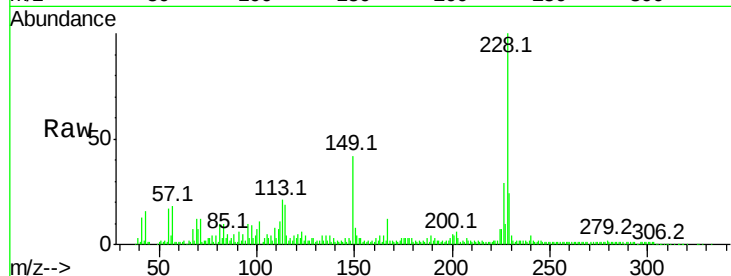
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.97 ng
 RT: 13.91 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BF086046.D
 Acq: 4 Apr 2016 19:16

Instrument :
 BNA_F
 ClientSampleId :
 TK2-3-20160401

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.8	19.4	29.2
279	4.5	1.5	2.3

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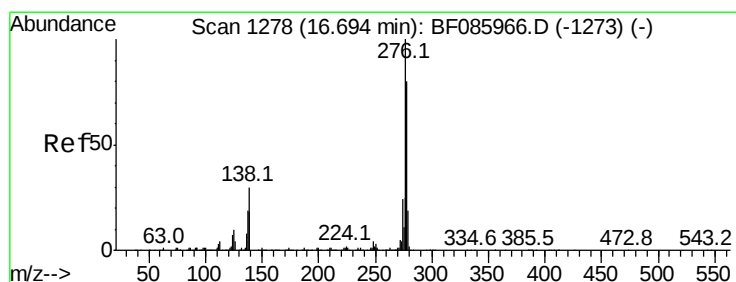
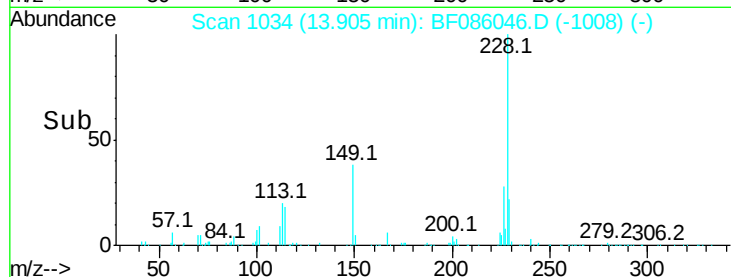
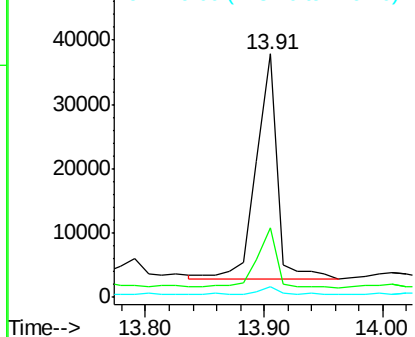


Abundance

Ion 149.00 (148.70 to 149.70): E

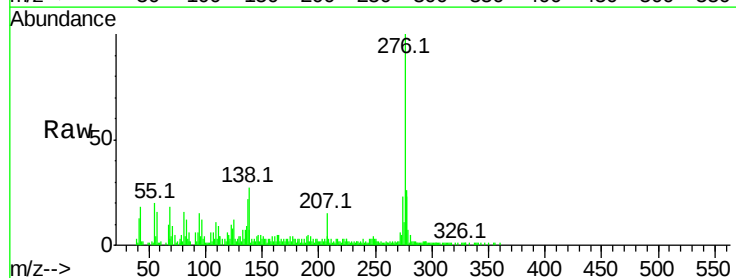
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.90 ng m
 RT: 16.68 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF086046.D
 Acq: 4 Apr 2016 19:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.7	24.2	36.4
277	5.0	20.0	30.0

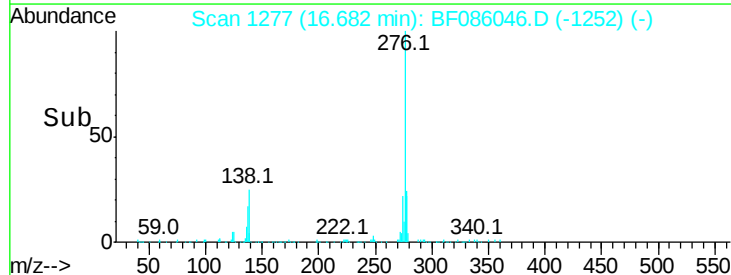
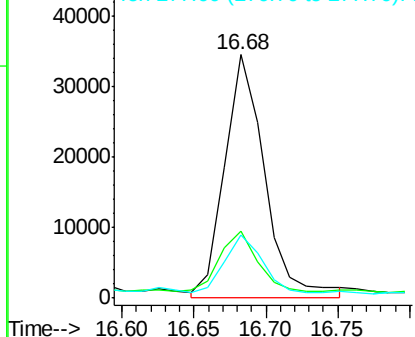


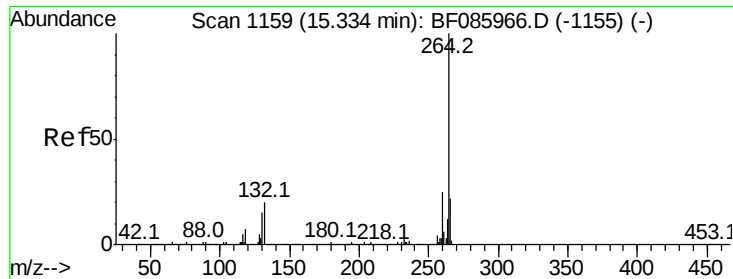
Abundance

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: 20.00 ng

RT: 15.32 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BF086046.D

Acq: 4 Apr 2016 19:16

Instrument :

BNA_F

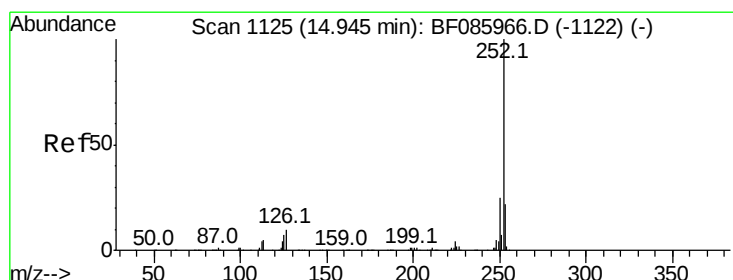
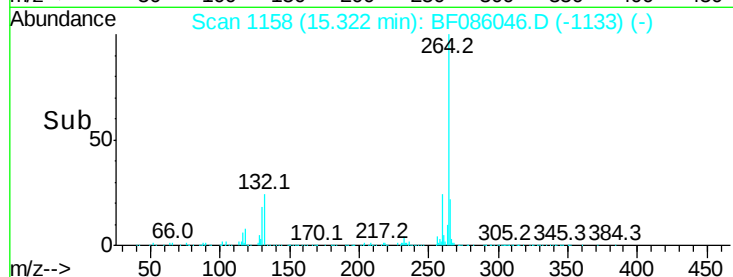
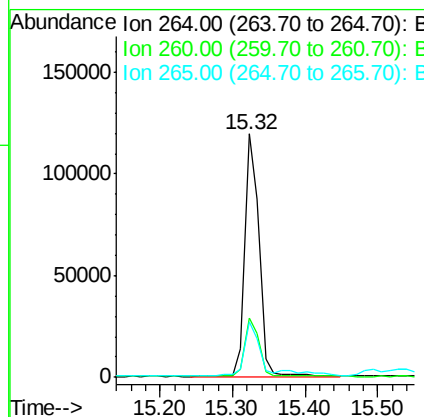
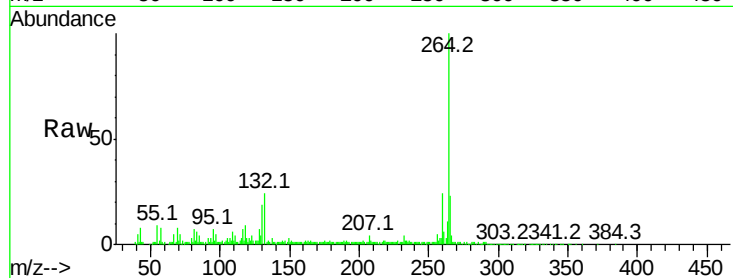
ClientSampleId :

TK2-3-20160401

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.1	19.4	29.2	
265	22.8	17.2	25.8	

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#87

Benzo(b)fluoranthene

Concen: 17.02 ng m

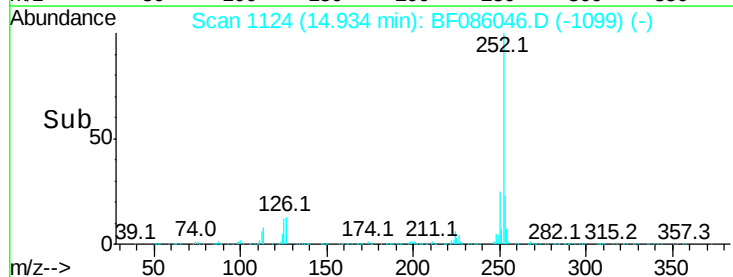
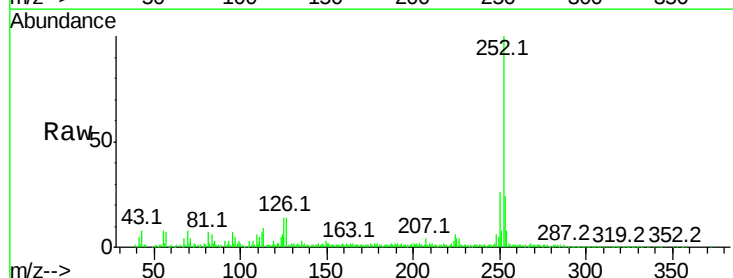
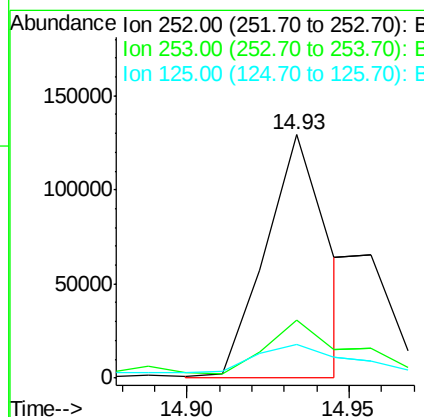
RT: 14.93 min Scan# 1124

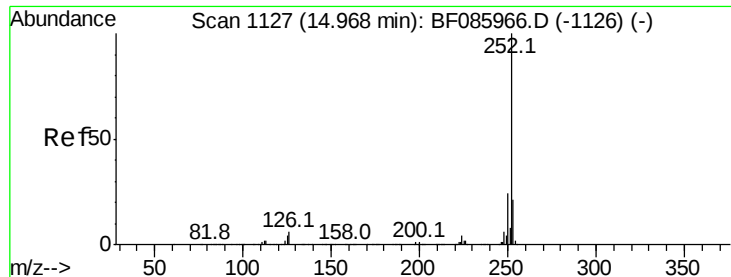
Delta R.T. -0.01 min

Lab File: BF086046.D

Acq: 4 Apr 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.9	17.6	26.4	
125	14.1	10.3	15.5	





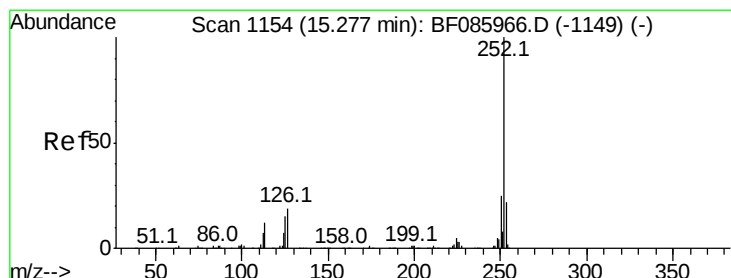
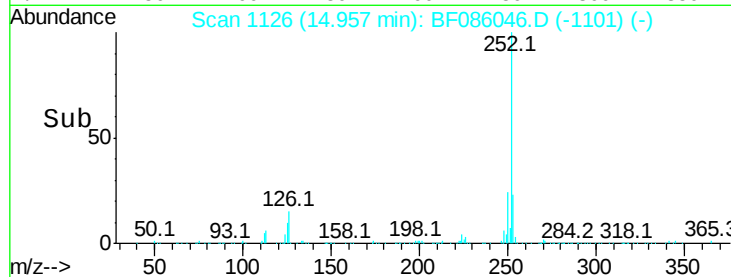
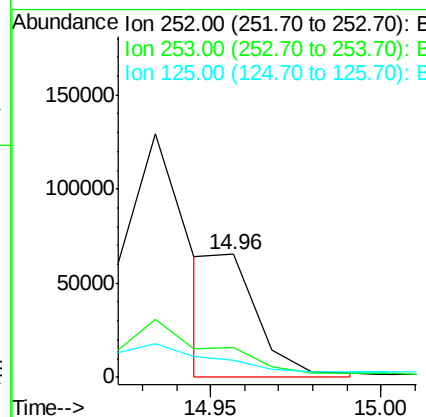
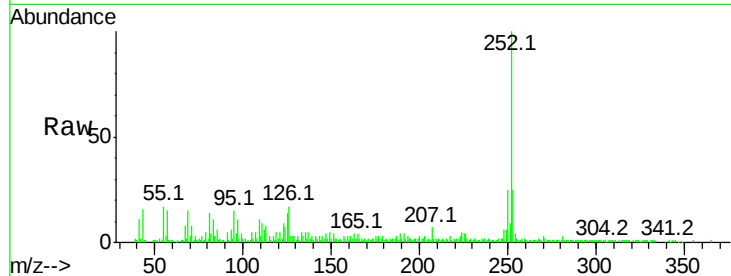
#88
Benzo(k)fluoranthene
Concen: 6.42 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF086046.D
Acq: 4 Apr 2016 19:16

Instrument :
BNA_F
ClientSampleId :
TK2-3-20160401

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.6
125	14.2	7.7	11.5#

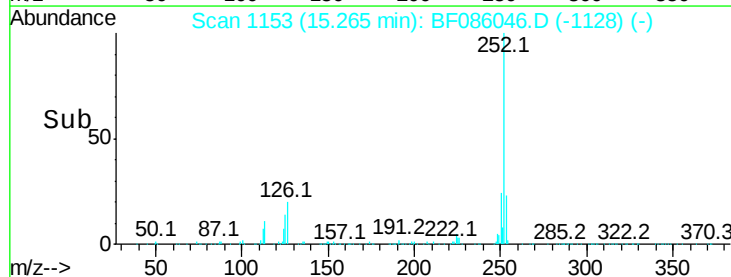
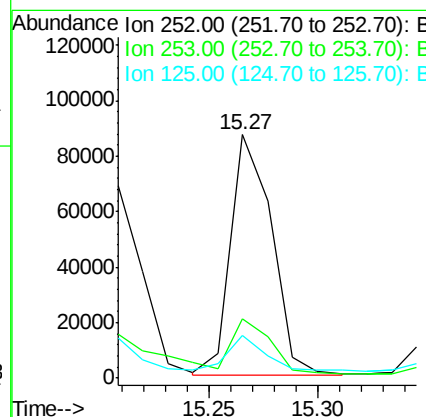
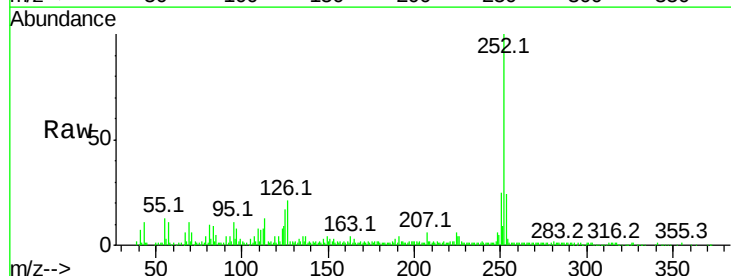
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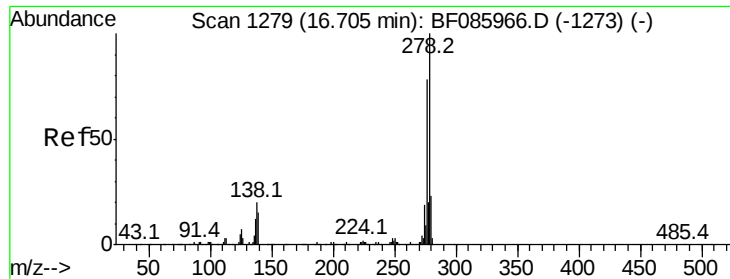
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#89
Benzo(a)pyrene
Concen: 12.63 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF086046.D
Acq: 4 Apr 2016 19:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.0
125	17.5	10.3	15.5#





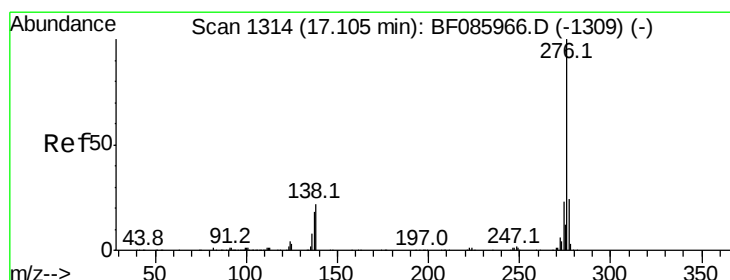
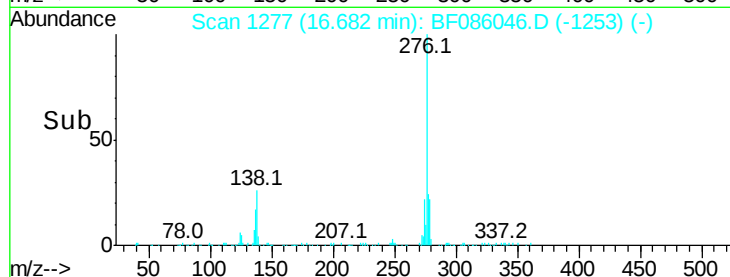
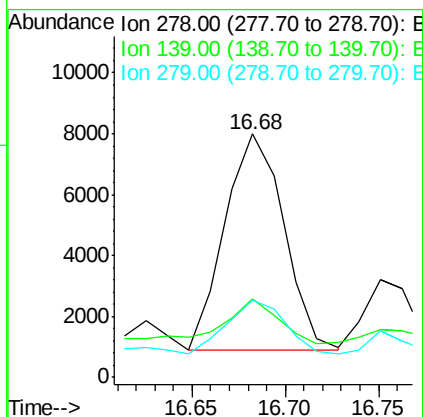
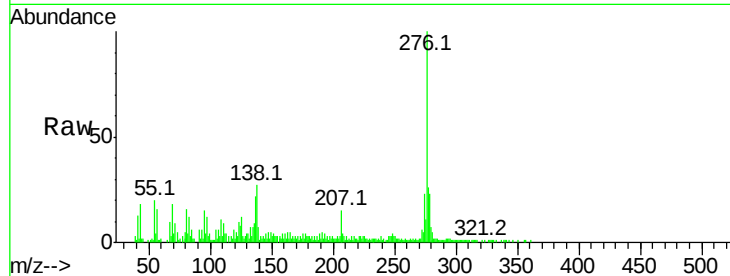
#90
Dibenzo(a,h)anthracene
Concen: 2.14 ng
RT: 16.68 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF086046.D
Acq: 4 Apr 2016 19:16

Instrument :
BNA_F
ClientSampleId :
TK2-3-20160401

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.3	14.4	21.6#
279	31.8	19.1	28.7#

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#91
Benzo(g,h,i)perylene
Concen: 8.80 ng
RT: 17.09 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF086046.D
Acq: 4 Apr 2016 19:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.8	28.2
138	26.9	22.6	34.0

