

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
 Data File : BF087765.D
 Acq On : 6 Jun 2016 21:50
 Operator : UM/SJ
 Sample : H3371-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1725(0-4)

Manual Integrations
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Quant Time: Jun 07 02:09:55 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	105439	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	430561	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	169077	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	282742	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	208786	20.00	ng	-0.02
86) Perylene-d12	15.43	264	164102	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	673718	103.28	ng	0.00
7) Phenol-d6	6.49	99	999848	122.22	ng	0.00
23) Nitrobenzene-d5	7.42	82	543239	73.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	165141	97.30	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	935340	84.87	ng	-0.02
78) Terphenyl-d14	12.96	244	711556	83.16	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	82819	6.74	ng	98
70) Phenanthrene	11.39	178	92881	6.06	ng	98
71) Anthracene	11.44	178	40530	2.64	ng	99
74) Fluoranthene	12.58	202	283971	18.82	ng	94
77) Pyrene	12.81	202	262824	17.68	ng	97
80) Benzo(a)anthracene	13.99	228	152365	12.64	ng	94
82) Chrysene	14.02	228	100014m	8.34	ng	
85) Indeno(1,2,3-cd)pyrene	16.81	276	56782	5.73	ng	# 100
87) Benzo(b)fluoranthene	15.02	252	137270m	12.86	ng	
88) Benzo(k)fluoranthene	15.03	252	56589m	6.37	ng	
89) Benzo(a)pyrene	15.36	252	88222	9.83	ng	96
91) Benzo(a,h,i)perylene	17.22	276	53796	6.98	ng	98

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

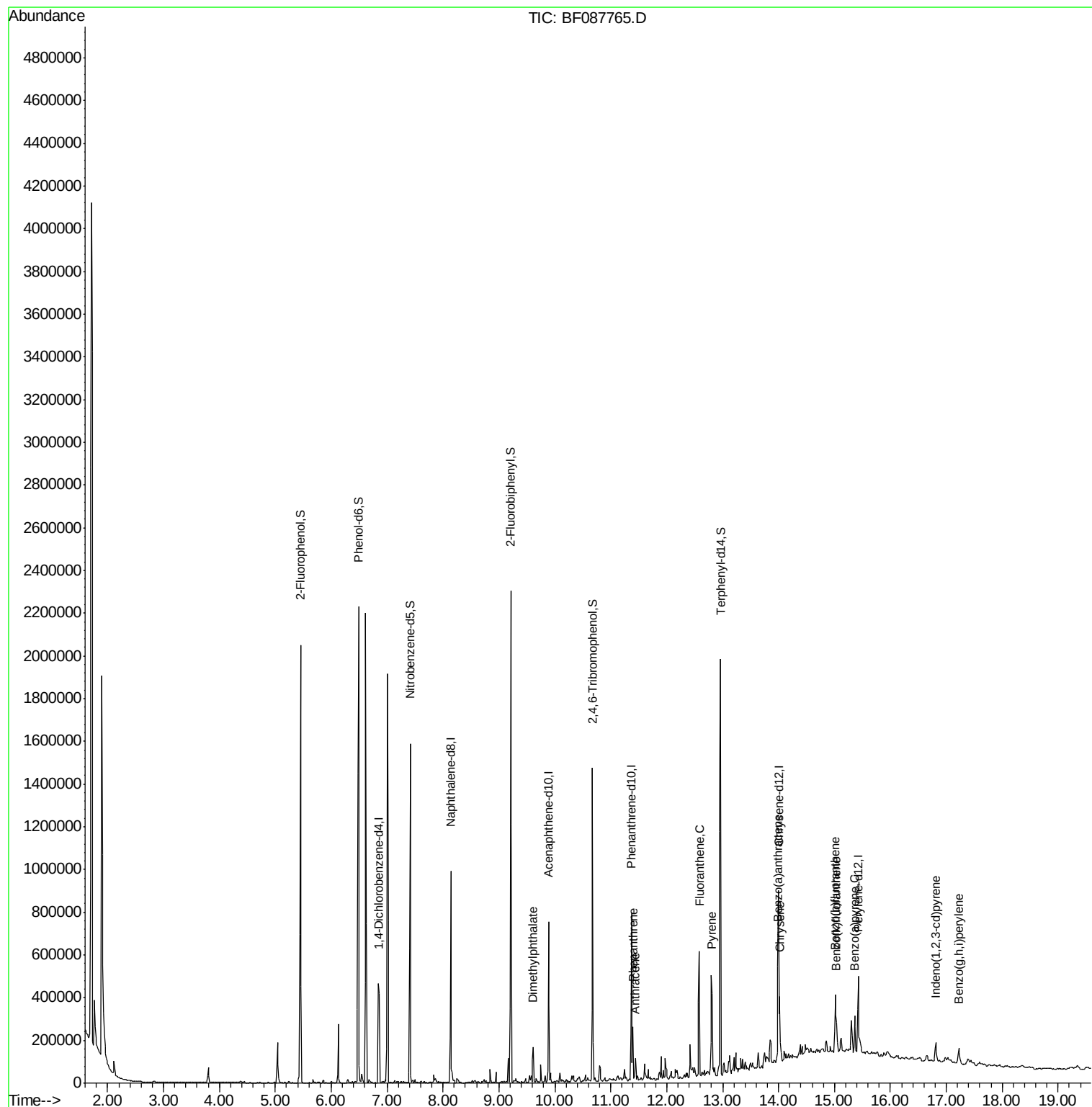
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
Data File : BF087765.D
Acq On : 6 Jun 2016 21:50
Operator : UM/SJ
Sample : H3371-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

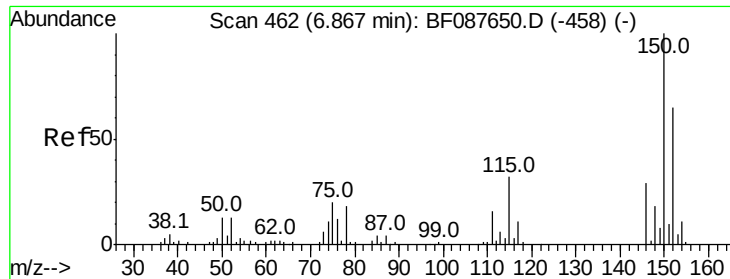
Instrument :
BNA_F
ClientSampleId :
CH-STA-1725(0-4)

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Quant Time: Jun 07 02:09:55 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
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Response via : Initial Calibration





#1

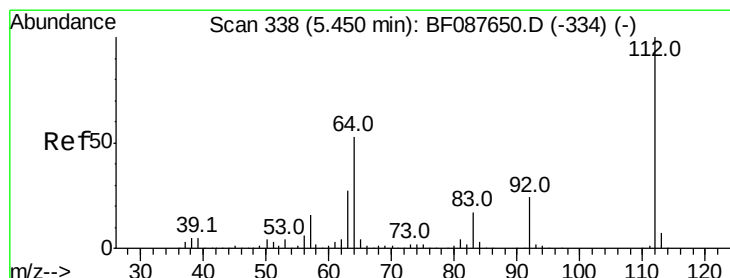
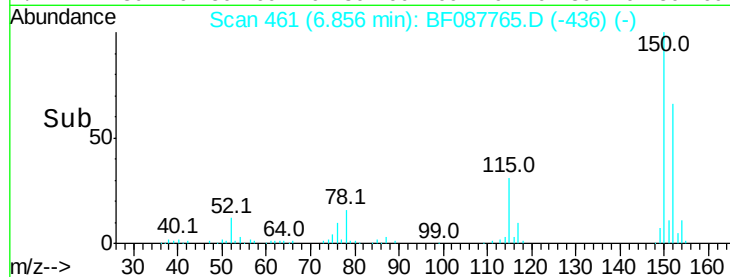
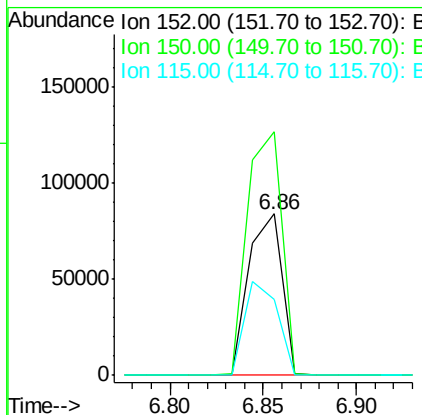
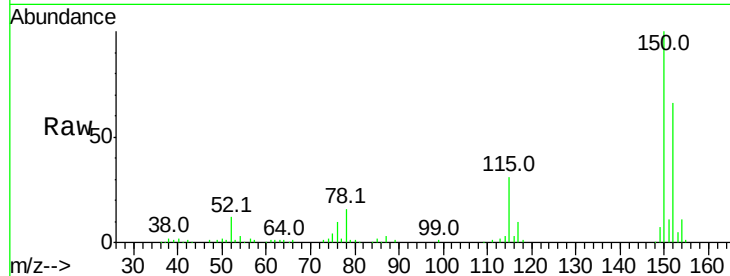
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

Instrument :
BNA_F
ClientSampleId :
CH-STA-1725(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	123.8	185.6
115	47.3	39.6	59.4

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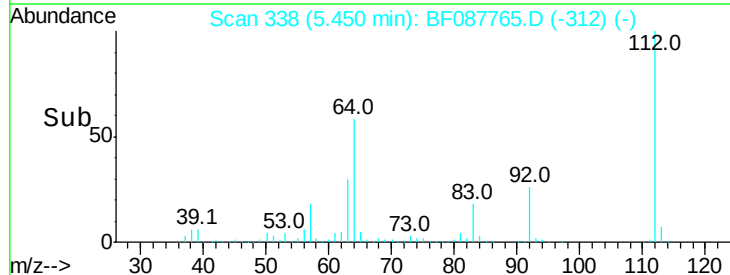
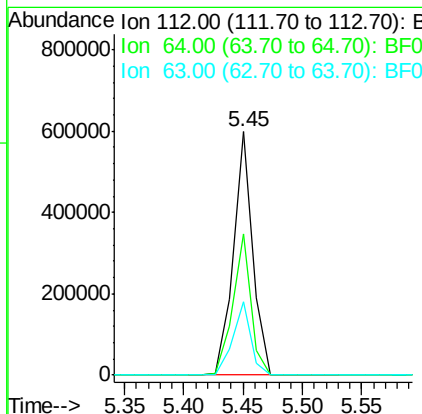
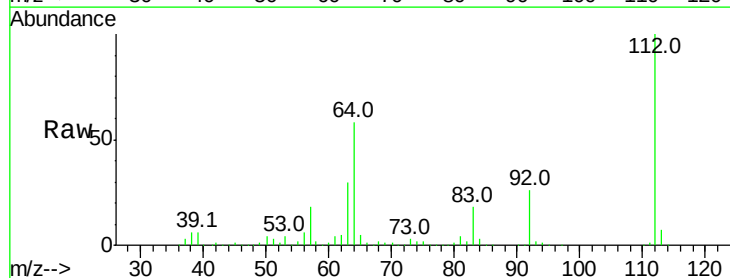
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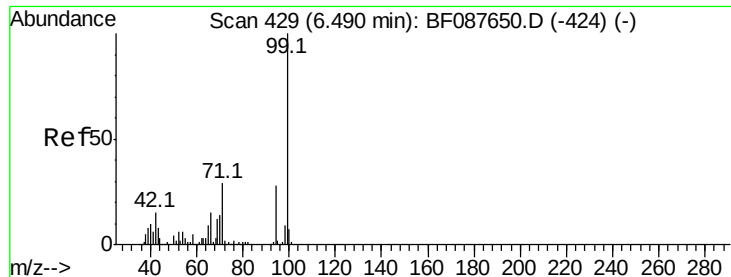


#5

2-Fluorophenol
Concen: 103.28 ng
RT: 5.45 min Scan# 338
Delta R.T. -0.00 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	42.2	63.2
63	30.3	21.8	32.8





#7

Phenol-d6

Concen: 122.22 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Instrument :

BNA_F

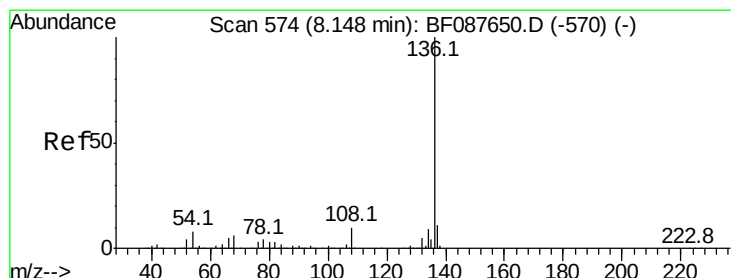
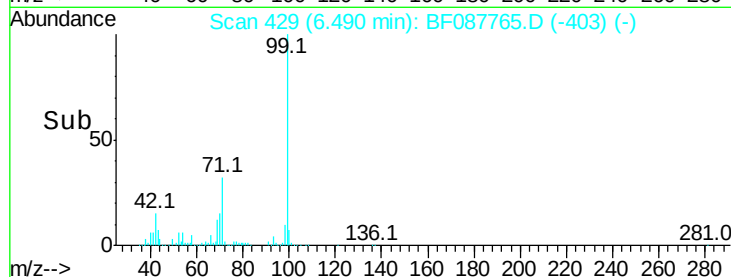
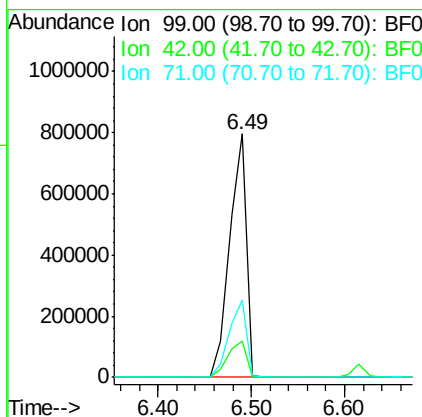
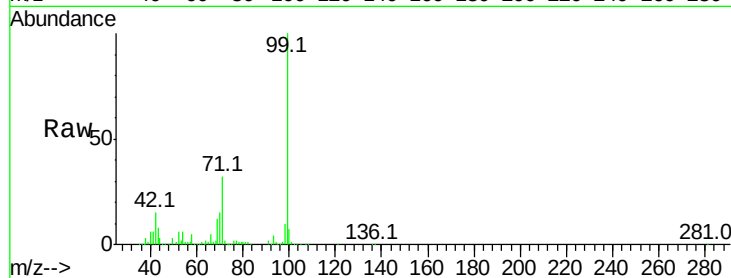
ClientSampleId :

CH-StA-1725(0-4)

Tot Ion:	99	Resp:	999848
Ion Ratio	Lower	Upper	
99	100		
42	14.9	12.2	18.2
71	31.9	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

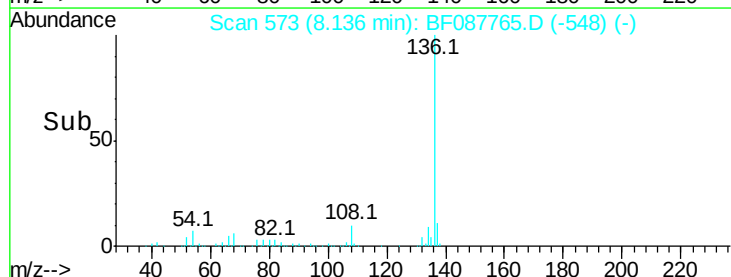
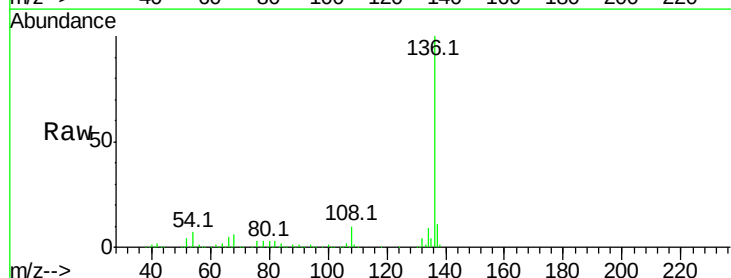
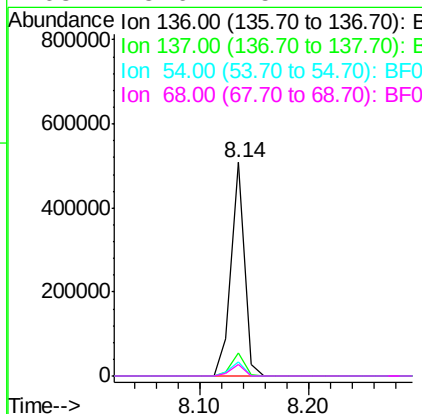
RT: 8.14 min Scan# 573

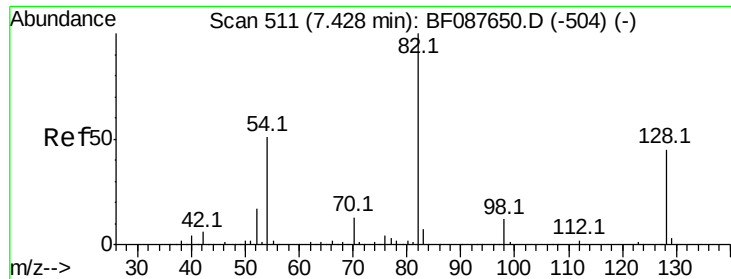
Delta R.T. -0.01 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Tgt Ion:	136	Resp:	430561
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	6.9	6.6	10.0
68	5.6	5.1	7.7





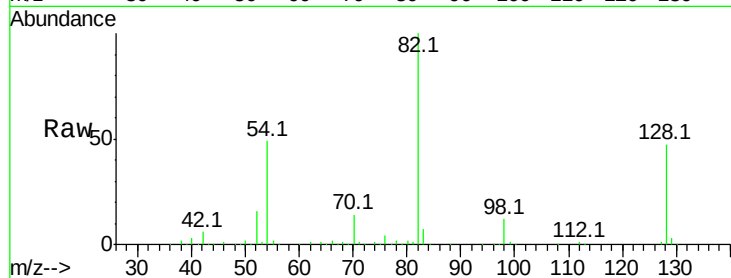
#23
 Nitrobenzene-d5
 Concen: 73.00 ng
 RT: 7.42 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF087765.D
 Acq: 6 Jun 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1725(0-4)

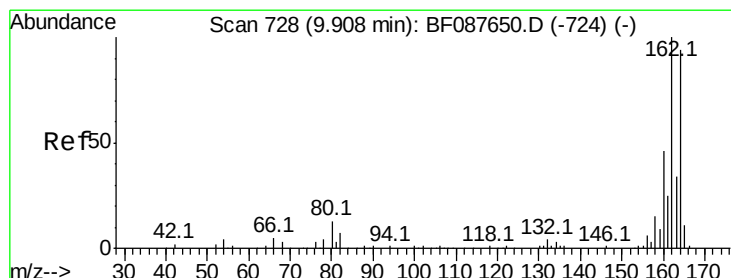
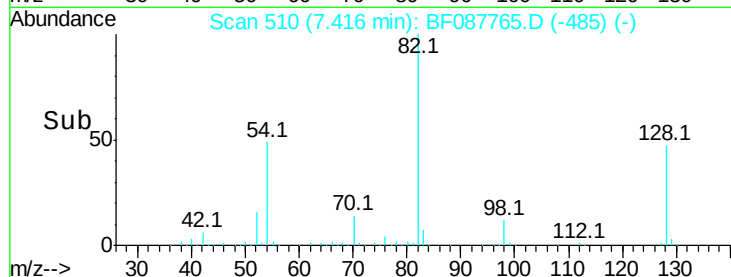
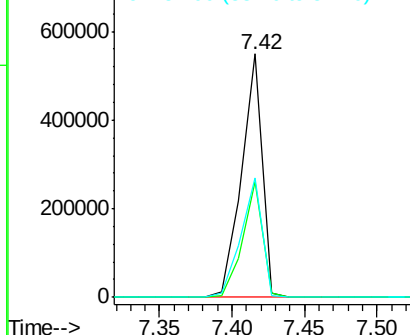
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.4	35.9	53.9
54	49.1	40.9	61.3

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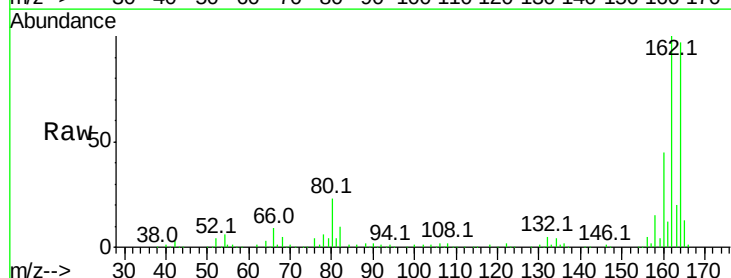


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

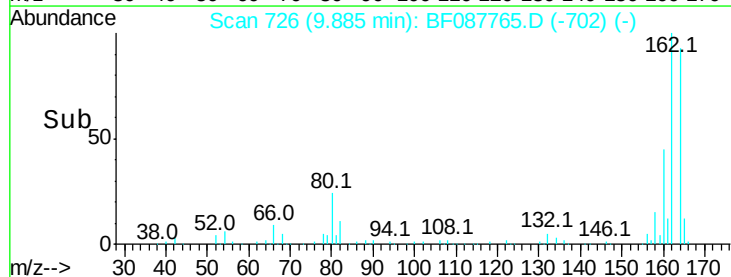
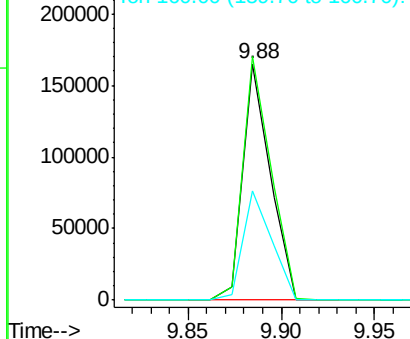


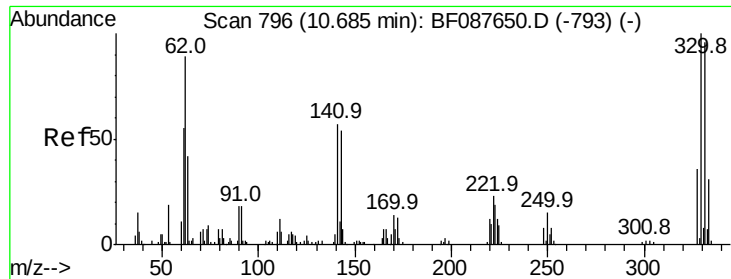
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 726
 Delta R.T. -0.02 min
 Lab File: BF087765.D
 Acq: 6 Jun 2016 21:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	85.4	128.2
160	46.4	39.5	59.3



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





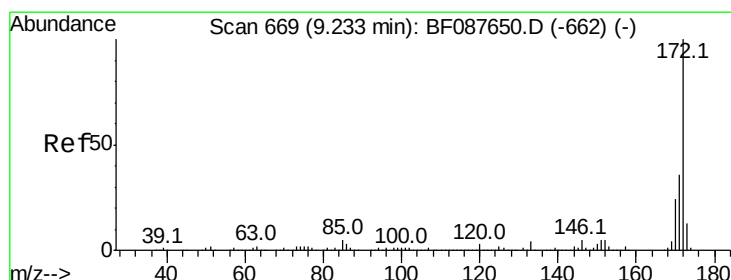
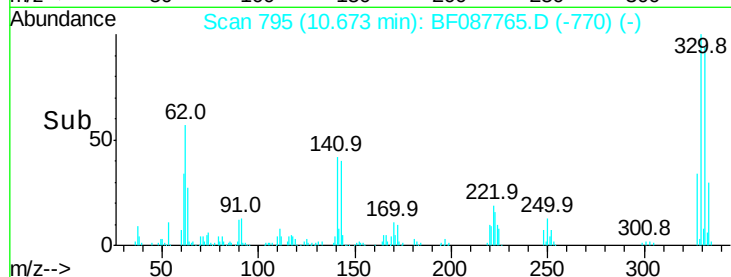
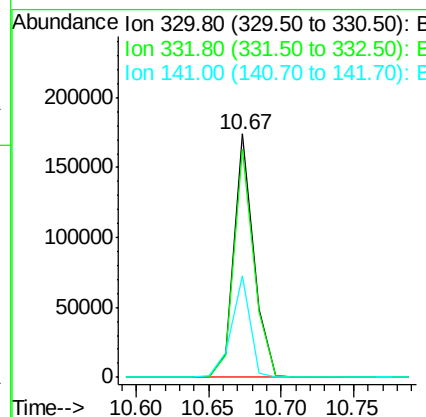
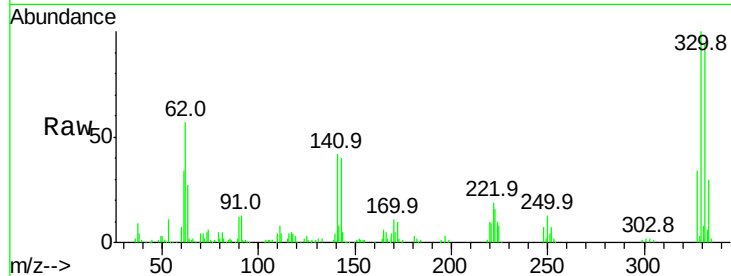
#41
 2,4,6-Tribromophenol
 Concen: 97.30 ng
 RT: 10.67 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF087765.D
 Acq: 6 Jun 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1725(0-4)

Tot Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	94.3	0.0	0.0#
141	40.2	0.0	0.0#

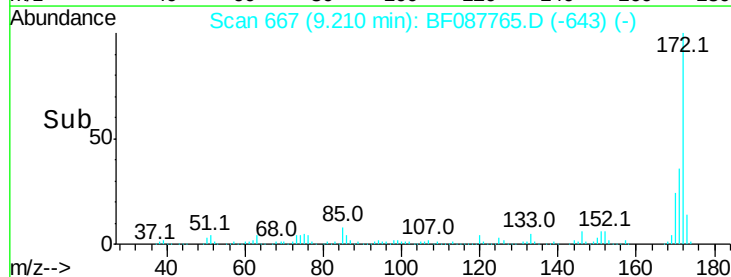
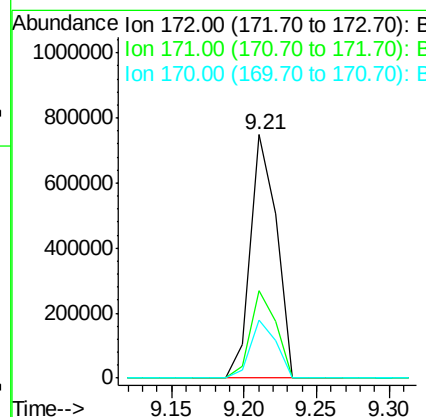
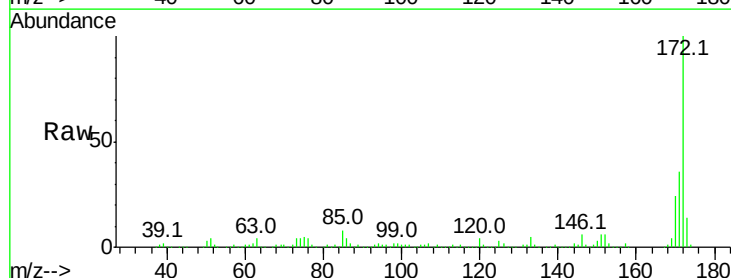
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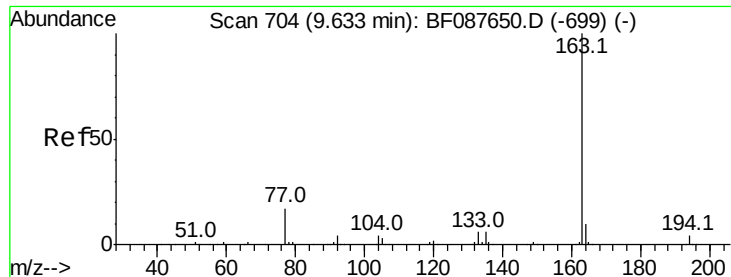
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#44
 2-Fluorobiphenyl
 Concen: 84.87 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF087765.D
 Acq: 6 Jun 2016 21:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.9	28.6	43.0
170	23.8	19.2	28.8





#49

Dimethylphthalate

Concen: 6.74 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Instrument :

BNA_F

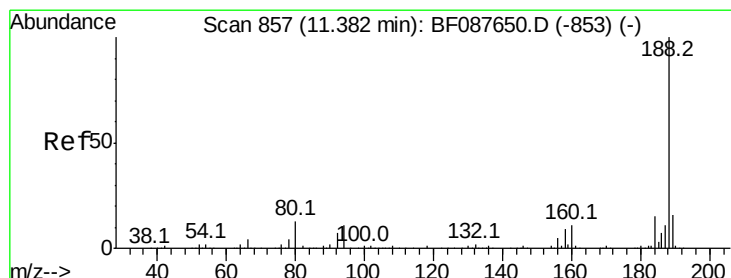
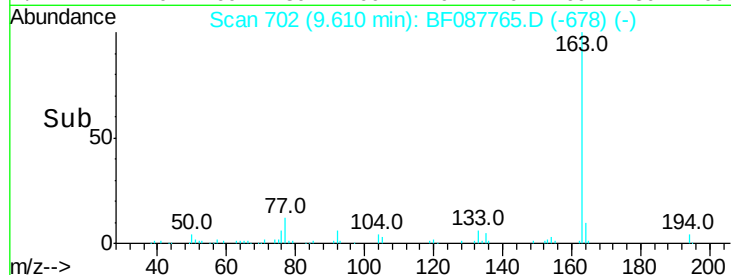
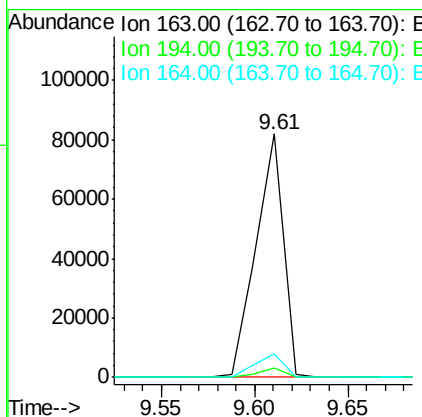
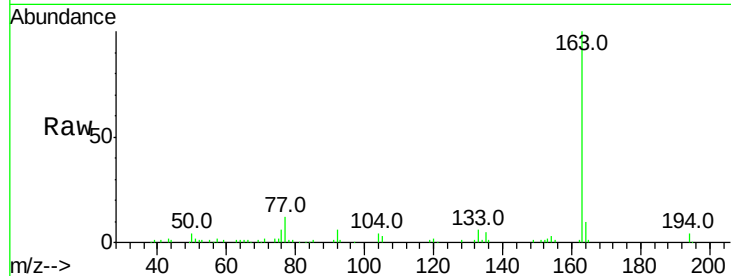
ClientSampleId :

CH-STA-1725(0-4)

Tot Ion:	163	Resp:	82819
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.8	4.2
164	9.7	8.3	12.5

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#63

Phenanthrene-d10

Concen: 20.00 ng

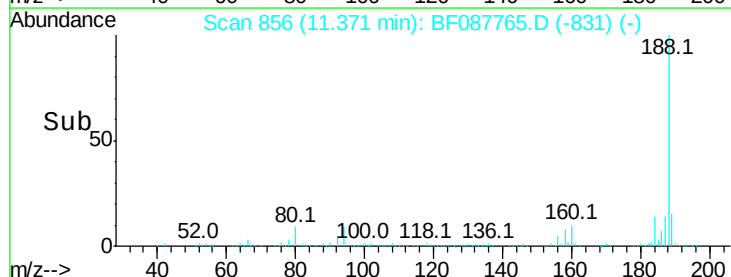
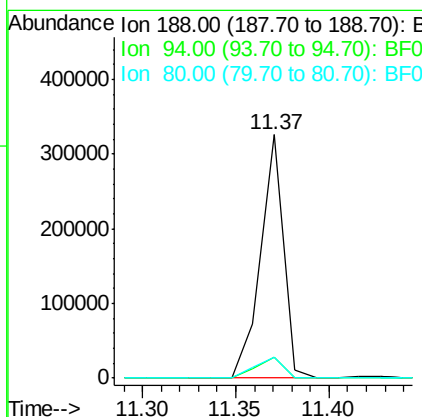
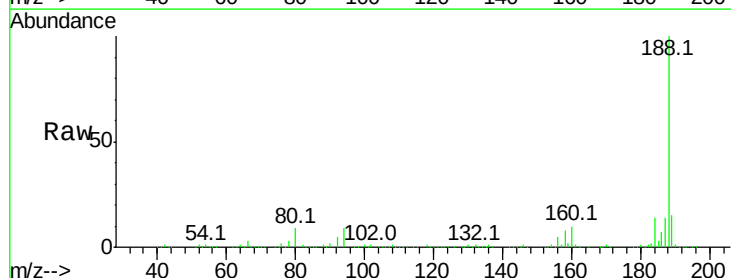
RT: 11.37 min Scan# 856

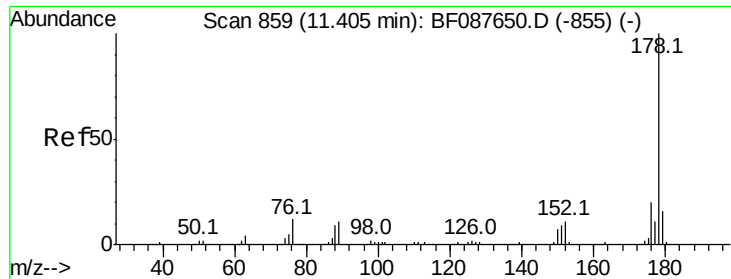
Delta R.T. -0.01 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Tgt Ion:	188	Resp:	282742
Ion Ratio	Lower	Upper	
188	100		
94	8.5	9.0	13.6#
80	8.8	10.0	15.0#





#70

Phenanthrene

Concen: 6.06 ng

RT: 11.39 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Instrument :

BNA_F

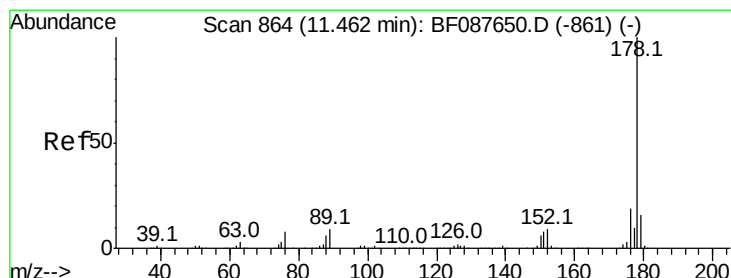
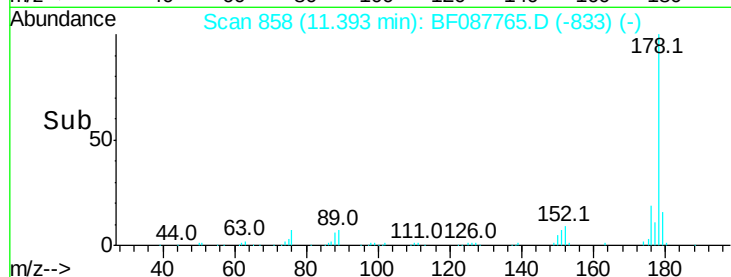
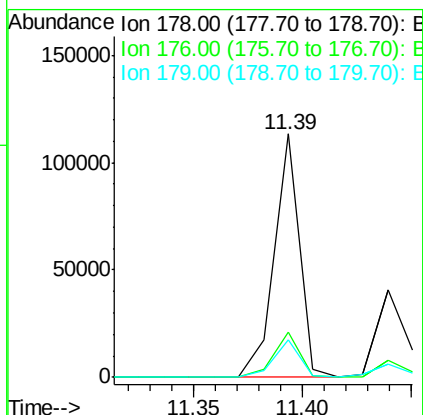
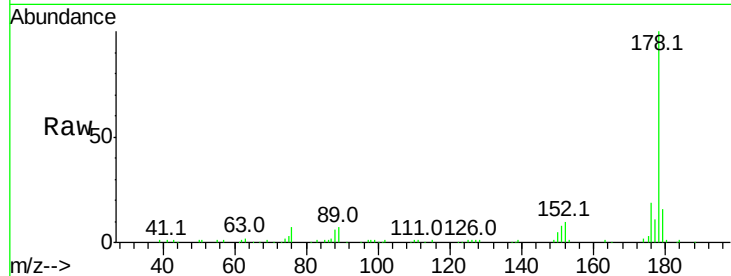
ClientSampleId :

CH-STA-1725(0-4)

Tot Ion:178	Resp:	92881
Ion Ratio	Lower	Upper
178	100	
176	18.6	15.8 23.6
179	15.5	13.0 19.4

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#71

Anthracene

Concen: 2.64 ng

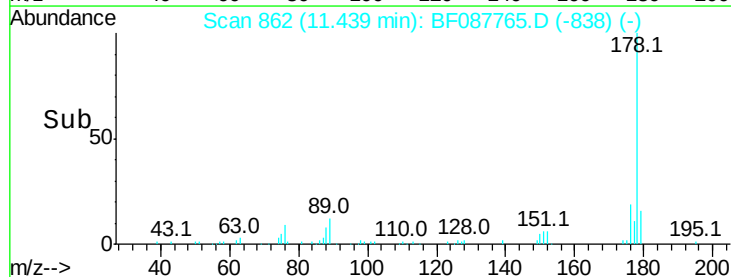
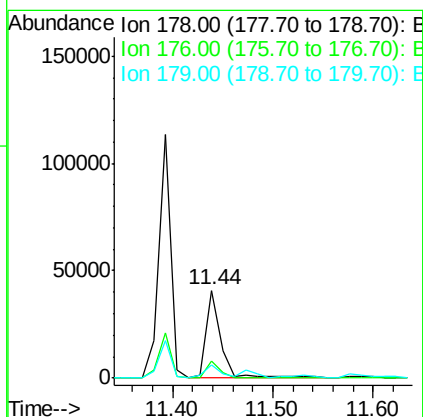
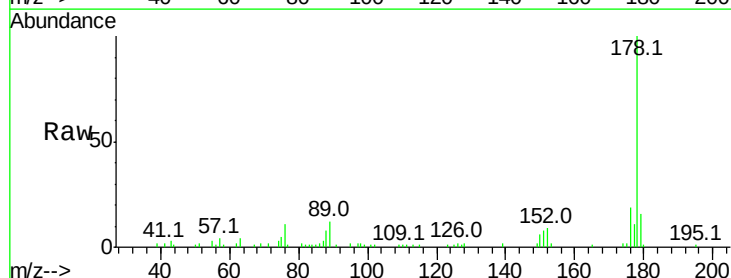
RT: 11.44 min Scan# 862

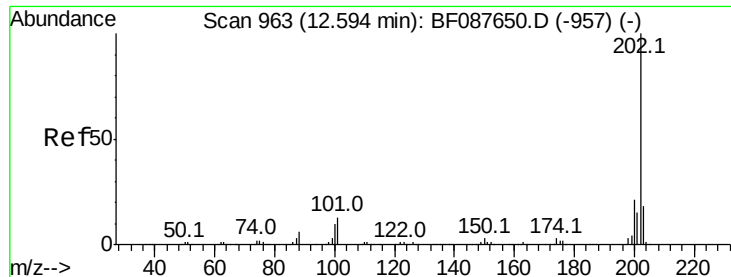
Delta R.T. -0.02 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Tgt Ion:178	Resp:	40530
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.6 23.4
179	15.7	12.8 19.2





#74

Fluoranthene

Concen: 18.82 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Instrument :

BNA_F

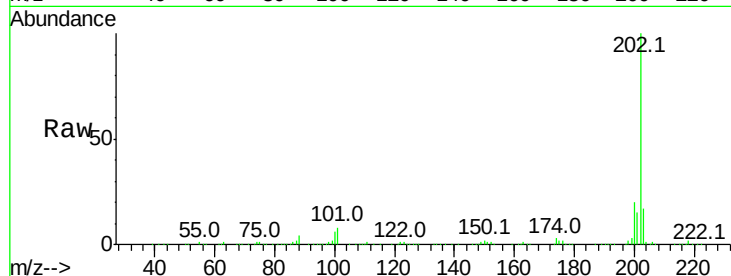
ClientSampleId :

CH-STA-1725(0-4)

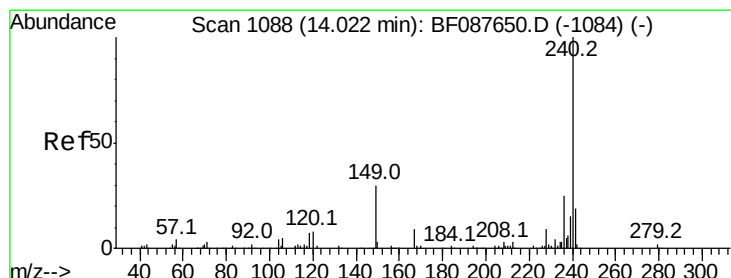
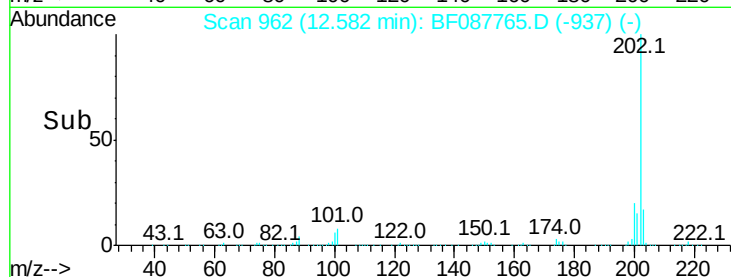
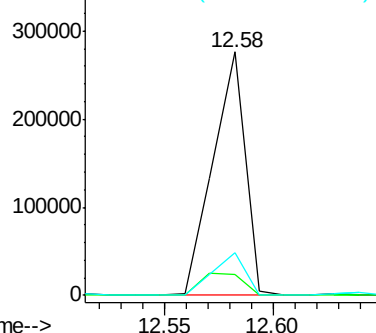
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.4	0.0	33.1
203	17.3	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

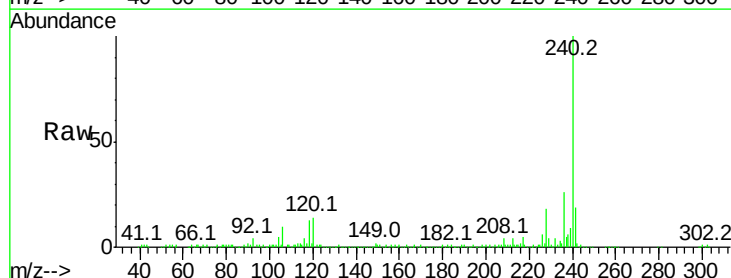
RT: 14.00 min Scan# 1086

Delta R.T. -0.02 min

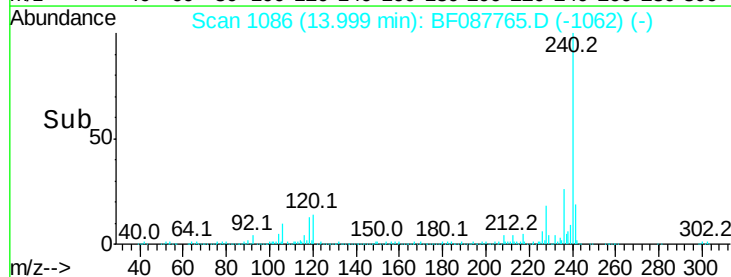
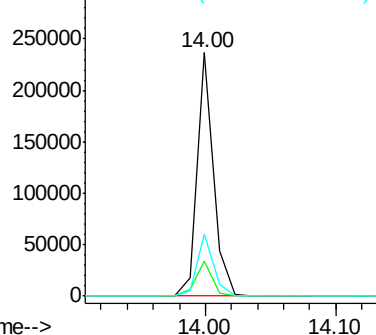
Lab File: BF087765.D

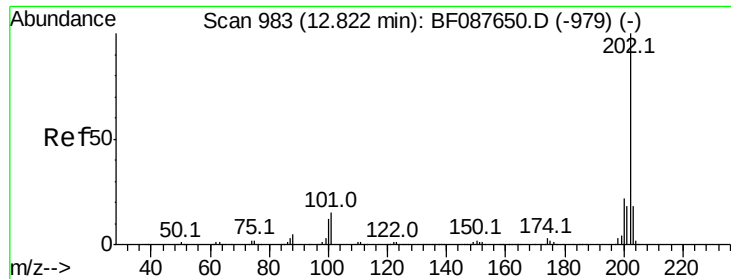
Acq: 6 Jun 2016 21:50

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.3	6.8	10.2#
236	25.6	20.2	30.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 17.68 ng

RT: 12.81 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Instrument :

BNA_F

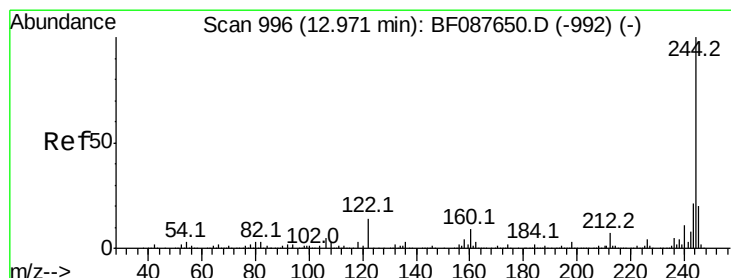
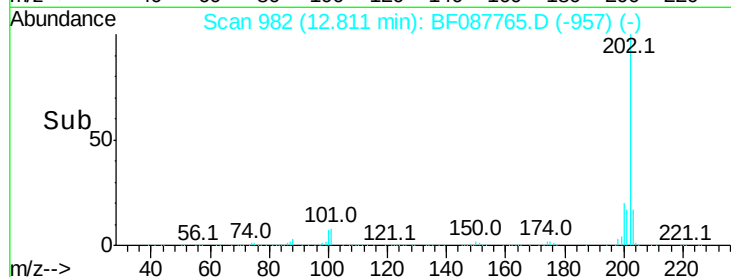
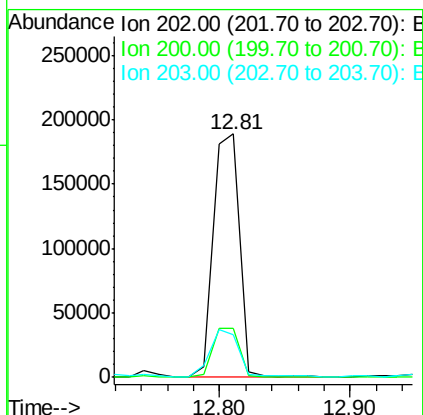
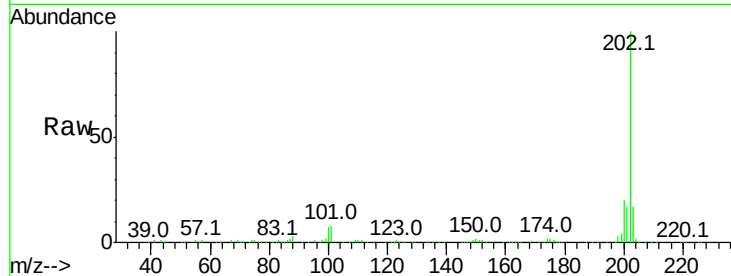
ClientSampleId :

CH-STA-1725(0-4)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.2
203	17.3	14.5	21.7

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#78

Terphenyl-d14

Concen: 83.16 ng

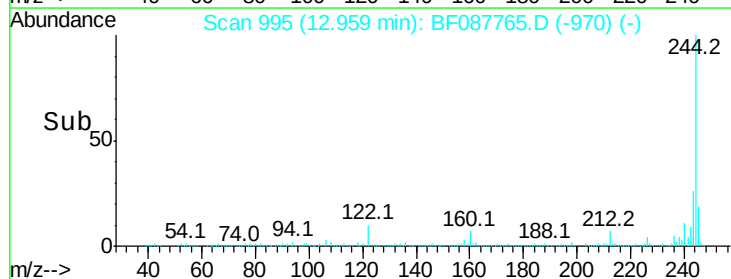
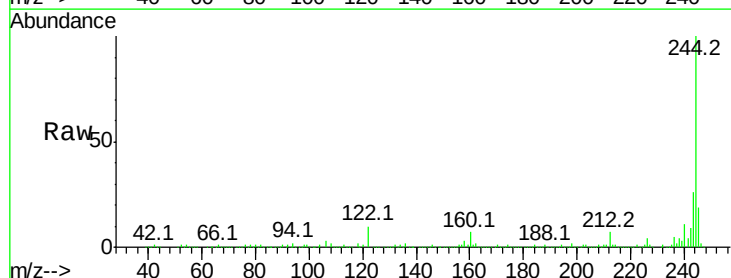
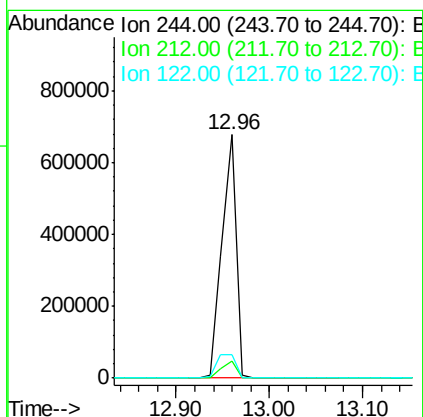
RT: 12.96 min Scan# 995

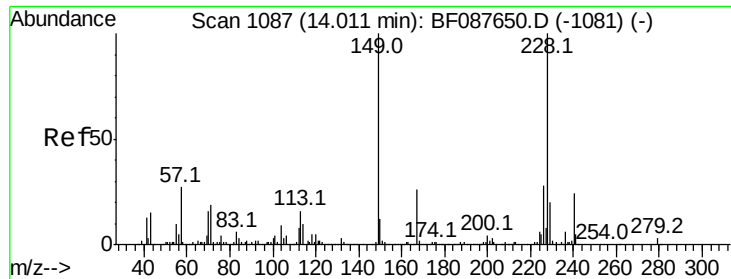
Delta R.T. -0.01 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	9.6	11.2	16.8#





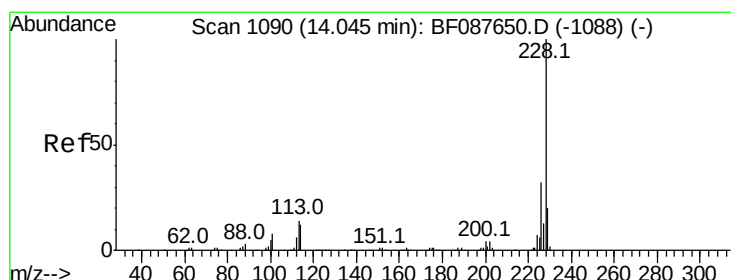
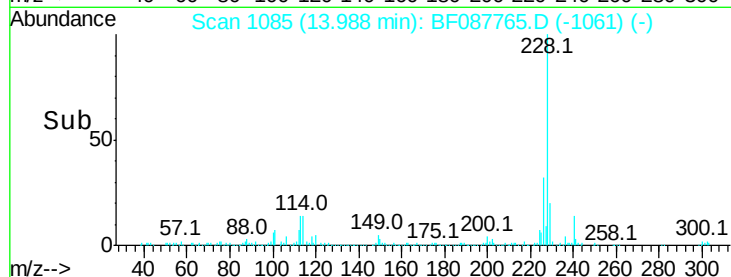
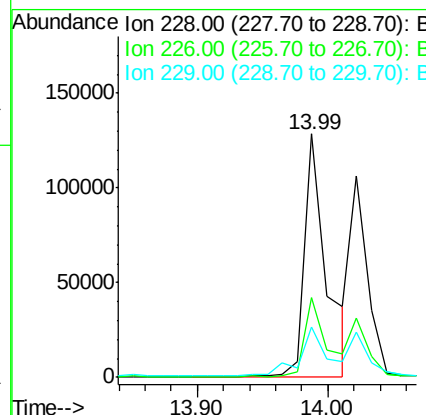
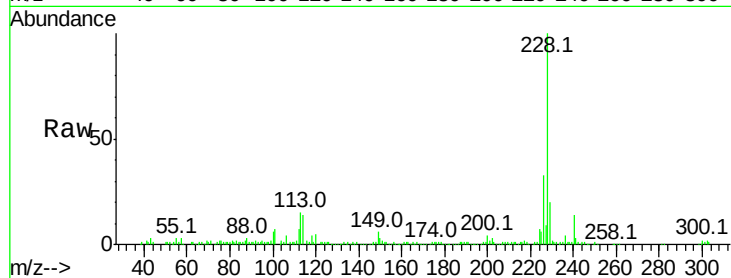
#80
Benzo(a)anthracene
Concen: 12.64 ng
RT: 13.99 min Scan# 1085
Delta R.T. -0.02 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

Instrument :
BNA_F
ClientSampleId :
CH-STA-1725(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.3	33.5
229	20.5	16.0	24.0

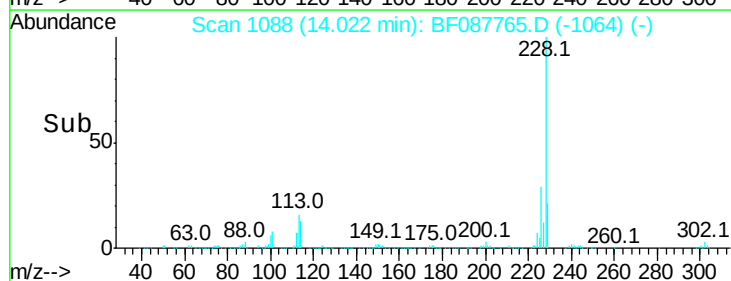
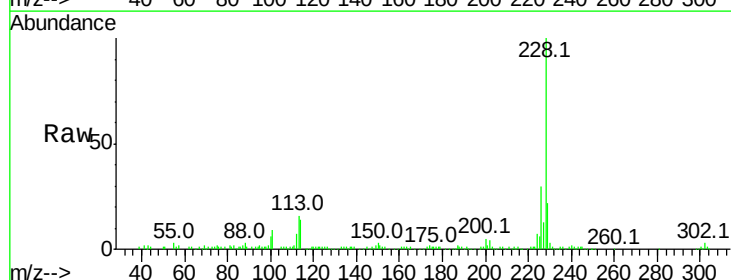
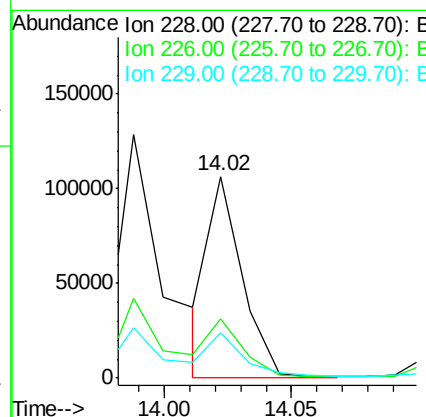
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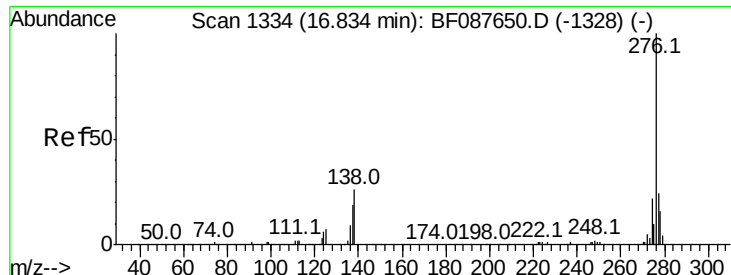
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#82
Chrysene
Concen: 8.34 ng m
RT: 14.02 min Scan# 1088
Delta R.T. -0.02 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.4	38.2
229	22.1	16.3	24.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.73 ng

RT: 16.81 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Instrument :

BNA_F

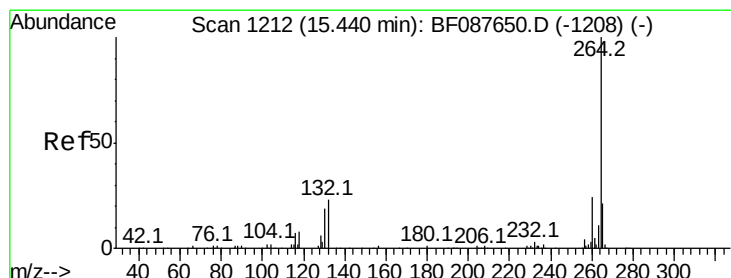
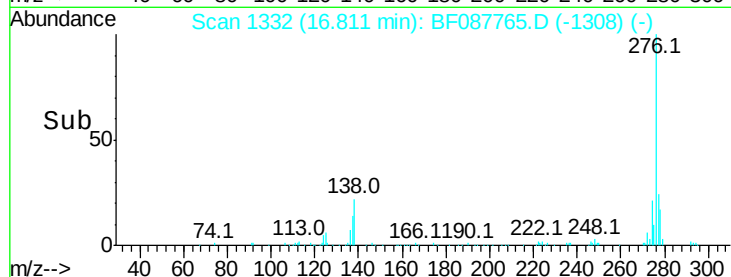
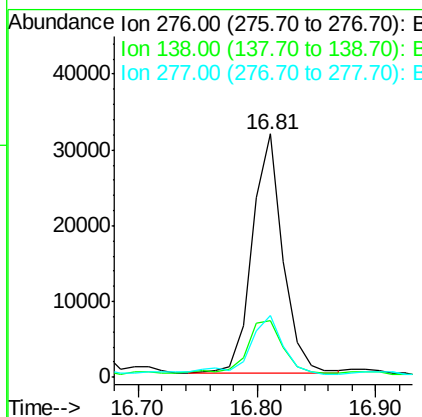
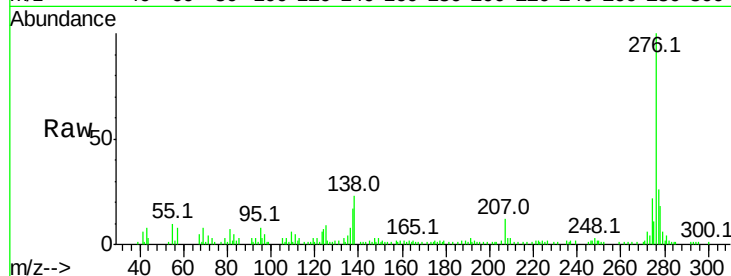
ClientSampleId :

CH-STA-1725(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	26.8	0.0	0.0	#
277	27.9	0.0	0.0	#

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#86

Perylene-d12

Concen: 20.00 ng

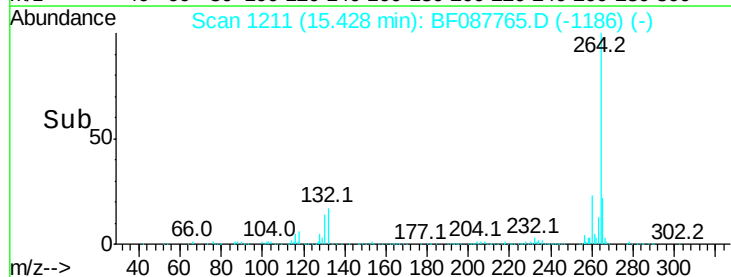
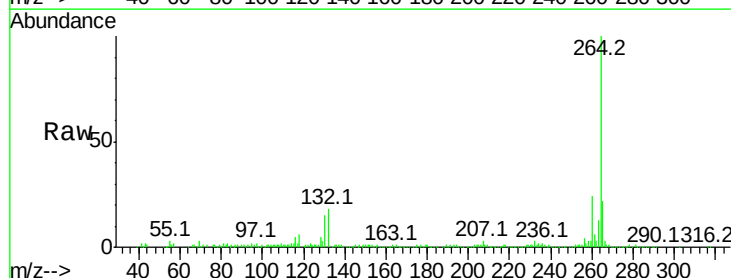
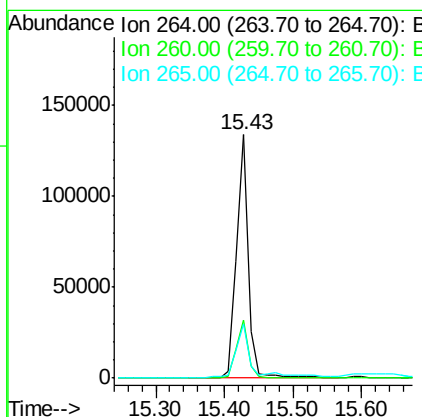
RT: 15.43 min Scan# 1211

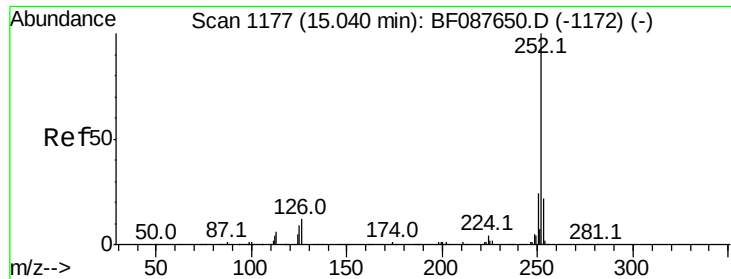
Delta R.T. -0.01 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.7	19.2	28.8	
265	22.2	16.9	25.3	





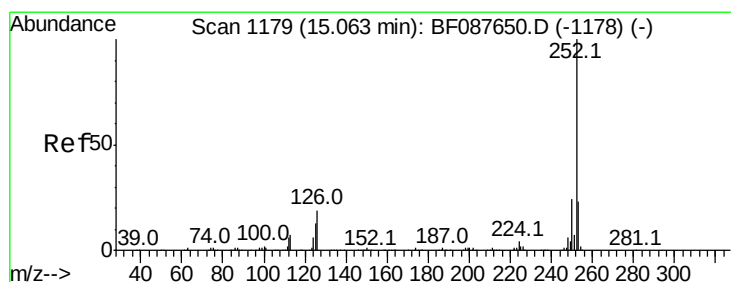
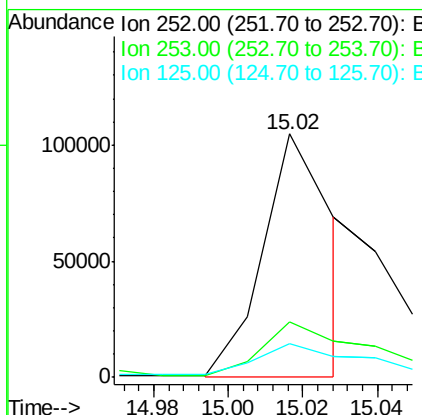
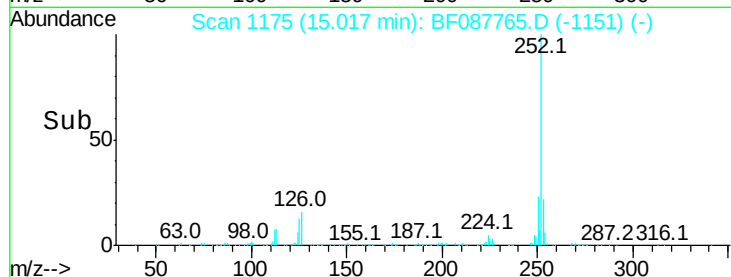
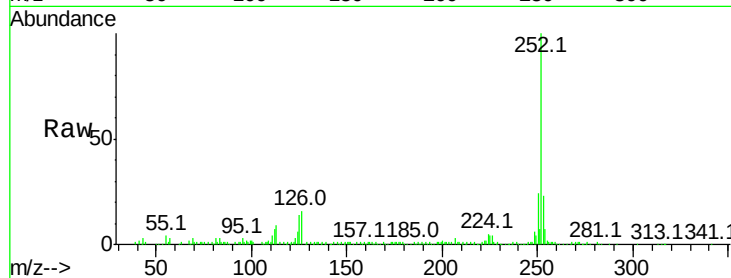
#87
Benzo(b)fluoranthene
Concen: 12.86 ng m
RT: 15.02 min Scan# 1175
Delta R.T. -0.02 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

Instrument :
BNA_F
ClientSampleId :
CH-STA-1725(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	13.8	7.1	10.7

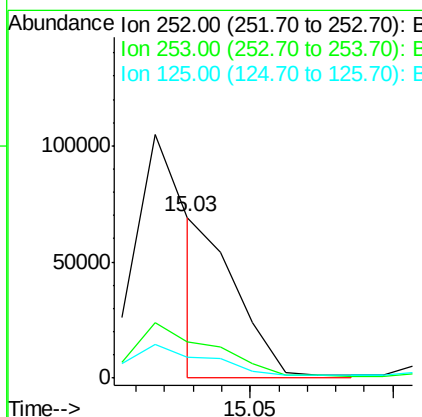
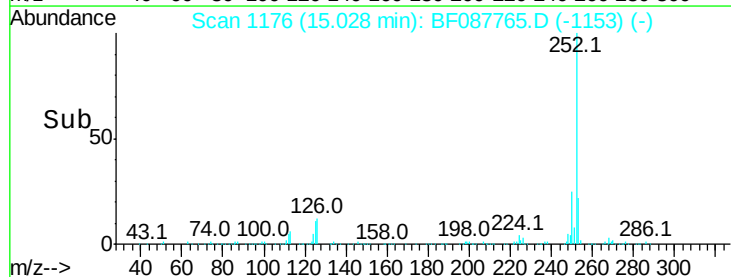
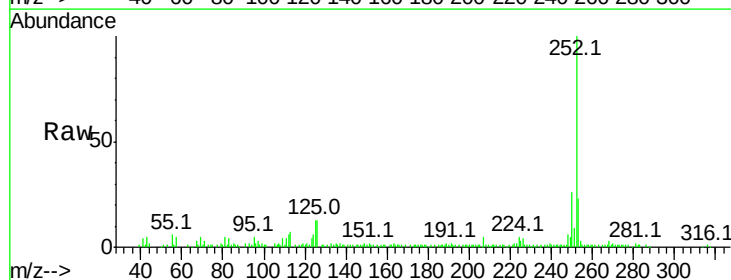
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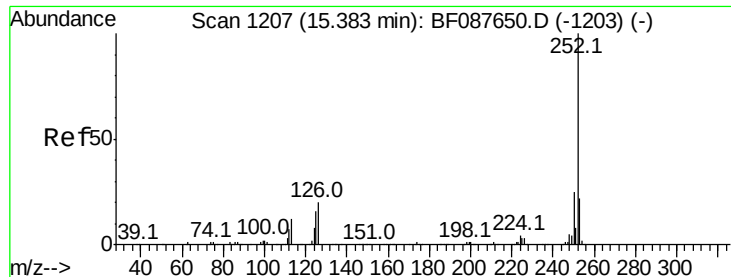
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#88
Benzo(k)fluoranthene
Concen: 6.37 ng m
RT: 15.03 min Scan# 1176
Delta R.T. -0.03 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	13.3	11.2	16.8





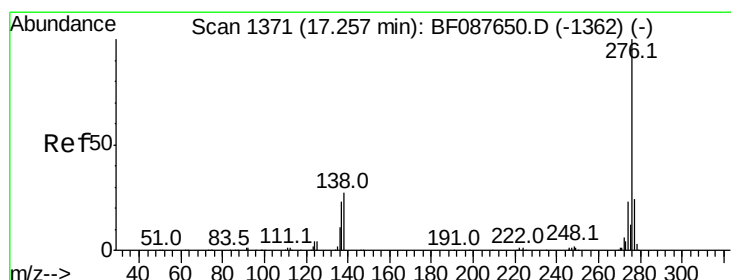
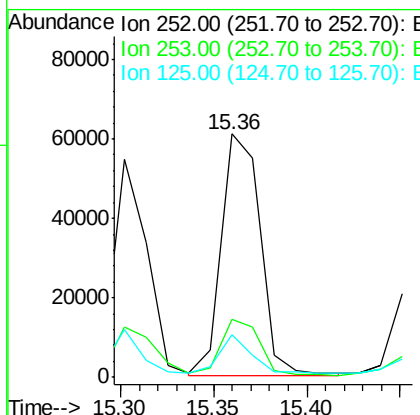
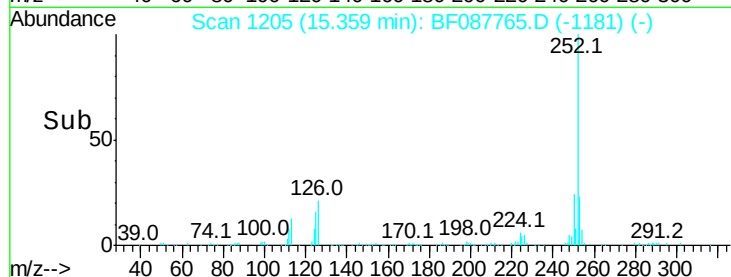
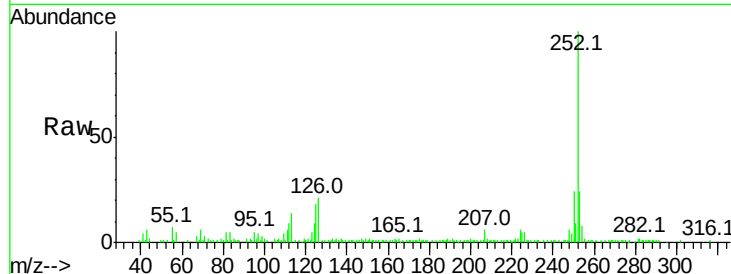
#89
Benzo(a)pyrene
Concen: 9.83 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

Instrument :
BNA_F
ClientSampleId :
CH-STA-1725(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	17.8	12.5	18.7

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.98 ng
RT: 17.22 min Scan# 1368
Delta R.T. -0.03 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.9	28.3
138	26.7	21.4	32.2

