

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
 Data File : BF087611.D
 Acq On : 1 Jun 2016 8:19
 Operator : UM/SJ
 Sample : H3190-01DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)

Manual Integrations
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Quant Time: Jun 01 13:51:27 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 01 13:33:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	116239	20.00	ng	-0.01
21) Naphthalene-d8	9.47	136	472828	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	204180	20.00	ng	-0.01
63) Phenanthrene-d10	14.70	188	332054	20.00	ng	-0.01
75) Chrysene-d12	18.42	240	264157	20.00	ng	0.00
86) Perylene-d12	20.10	264	214882	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	170659	25.80	ng	0.02
7) Phenol-d6	7.03	99	250660	28.04	ng	0.01
23) Nitrobenzene-d5	8.38	82	166335	17.73	ng	0.00
41) 2,4,6-Tribromophenol	13.60	330	46083	23.49	ng	-0.01
44) 2-Fluorobiphenyl	11.24	172	304617	21.03	ng	-0.01
78) Terphenyl-d14	17.05	244	197860	15.92	ng	-0.01
Target Compounds						
48) Acenaphthylene	12.08	152	69509	3.34	ng	Qvalue 99
49) Dimethylphthalate	11.95	163	42439	2.59	ng	99
70) Phenanthrene	14.75	178	64949	3.53	ng	99
71) Anthracene	14.85	178	69161	3.72	ng	99
74) Fluoranthene	16.51	202	403927	21.90	ng	94
77) Pyrene	16.82	202	414017	21.77	ng	99
80) Benzo(a)anthracene	18.41	228	203491	13.54	ng	95
82) Chrysene	18.46	228	170460	11.43	ng	99
85) Indeno(1,2,3-cd)pyrene	21.36	276	80616	6.74	ng	# 89
87) Benzo(b)fluoranthene	19.69	252	277546m	20.28	ng	
88) Benzo(k)fluoranthene	19.73	252	109742m	9.31	ng	
89) Benzo(a)pyrene	20.06	252	127346	10.76	ng	# 93
90) Dibenzo(a,h)anthracene	21.36	278	25135	2.49	ng	99
91) Benzo(a,h,i)perylene	21.73	276	67753	6.80	ng	# 90

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

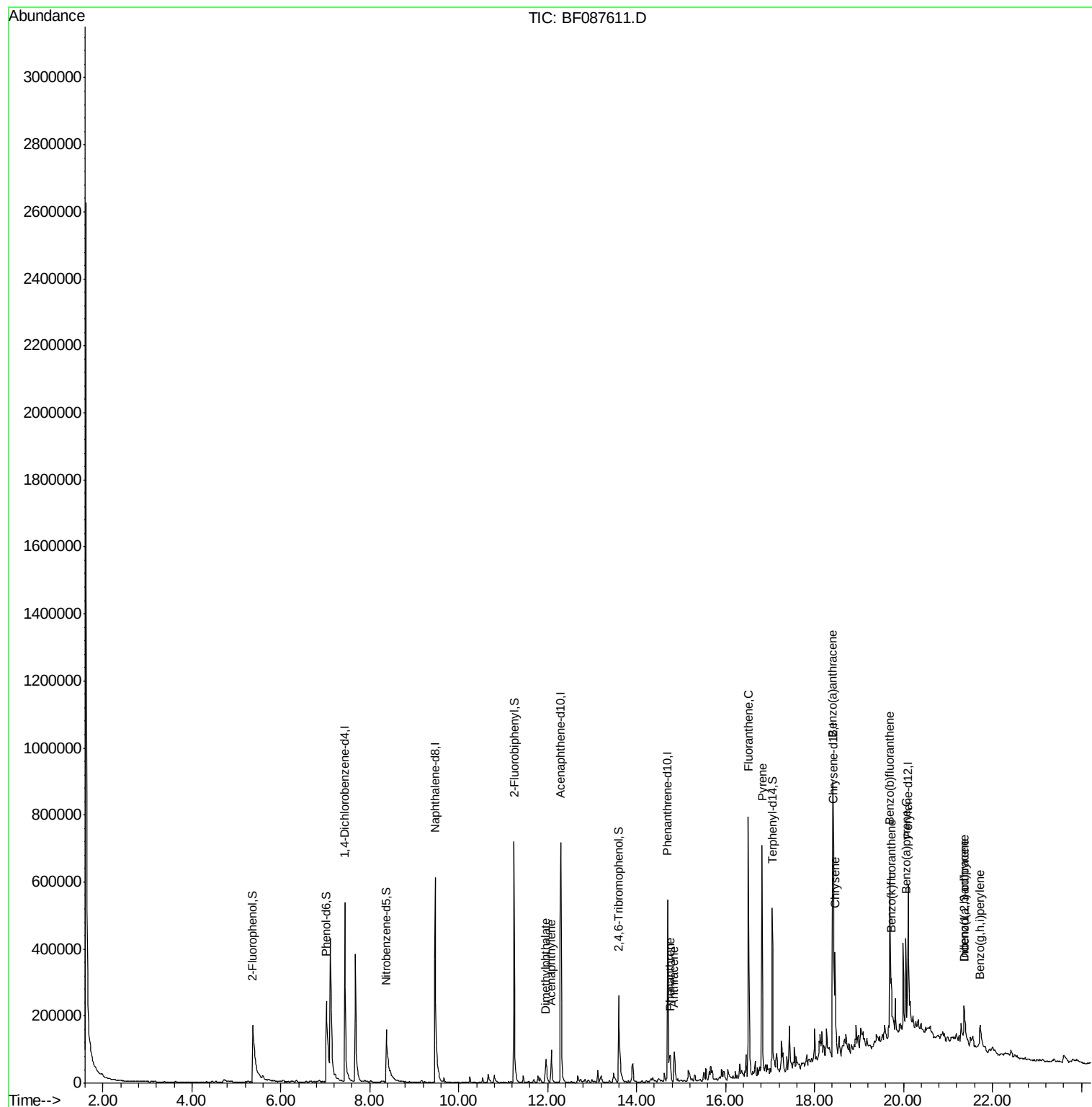
Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
Data File : BF087611.D
Acq On : 1 Jun 2016 8:19
Operator : UM/SJ
Sample : H3190-01DL 5X
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ALS Vial : 26 Sample Multiplier: 1

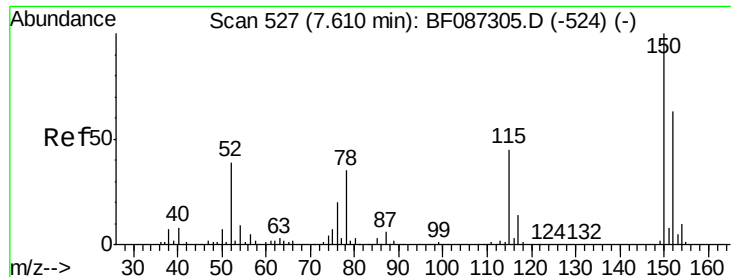
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)

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Quant Time: Jun 01 13:51:27 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 01 13:33:47 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.44 min Scan# 512

Delta R.T. -0.01 min

Lab File: BF087611.D

Acq: 1 Jun 2016 8:19

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)

Tot Ion:152 Resp: 116239

Ion Ratio Lower Upper

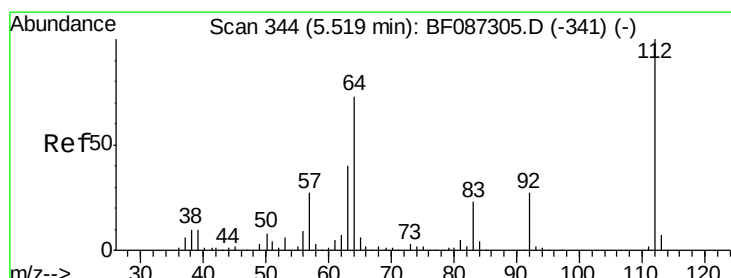
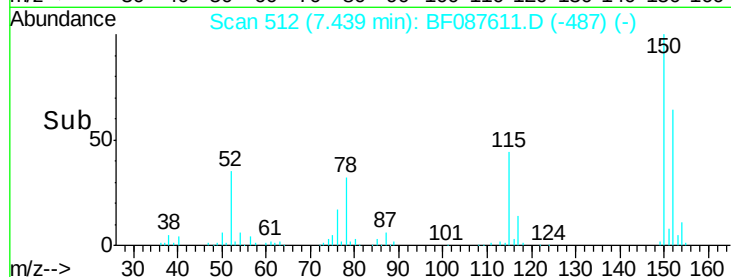
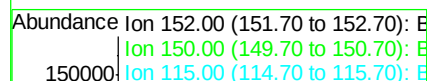
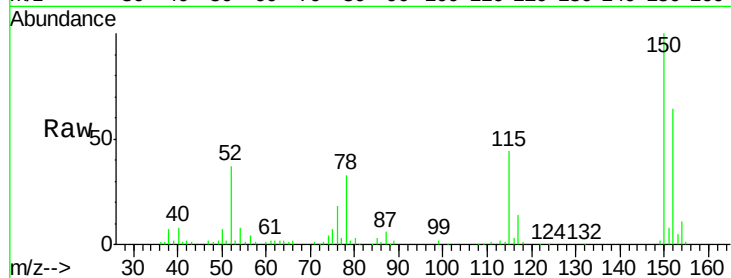
152 100

150 156.0 125.8 188.6

115 68.6 51.5 77.3

Manual Integrations
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#5

2-Fluorophenol

Concen: 25.80 ng

RT: 5.37 min Scan# 331

Delta R.T. 0.02 min

Lab File: BF087611.D

Acq: 1 Jun 2016 8:19

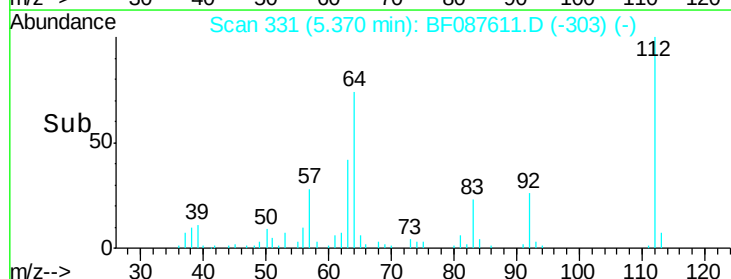
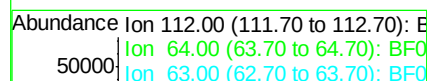
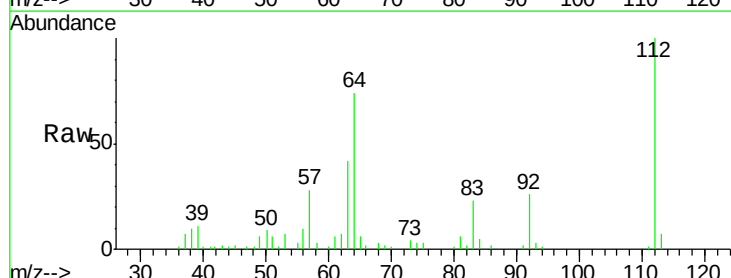
Tgt Ion:112 Resp: 170659

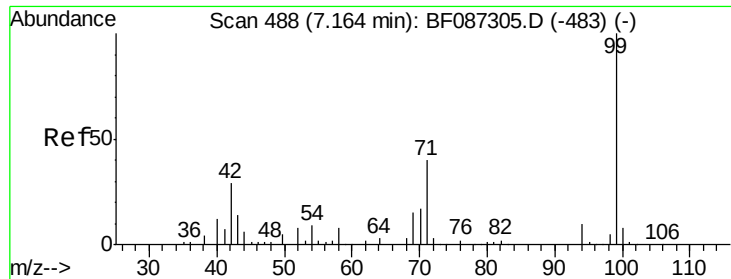
Ion Ratio Lower Upper

112 100

64 74.2 52.1 78.1

63 41.9 25.7 38.5#





#7

Phenol-d6

Concen: 28.04 ng

RT: 7.03 min Scan# 476

Delta R.T. 0.01 min

Lab File: BF087611.D

Acq: 1 Jun 2016 8:19

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)

Tot Ion: 99 Resp: 250660

Ion Ratio Lower Upper

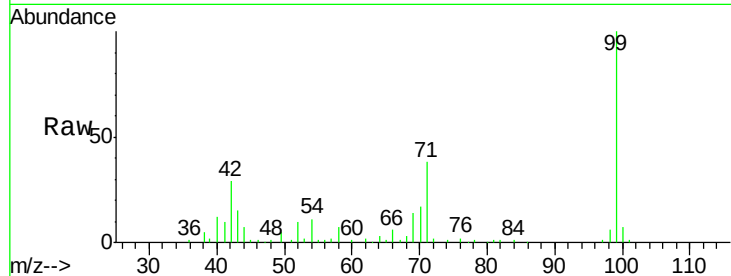
99 100

42 28.9 13.6 20.4#

71 38.3 24.6 36.8#

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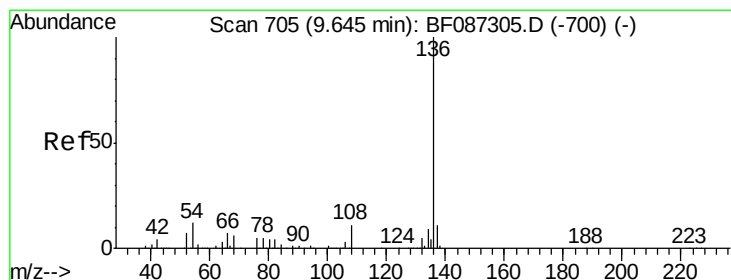
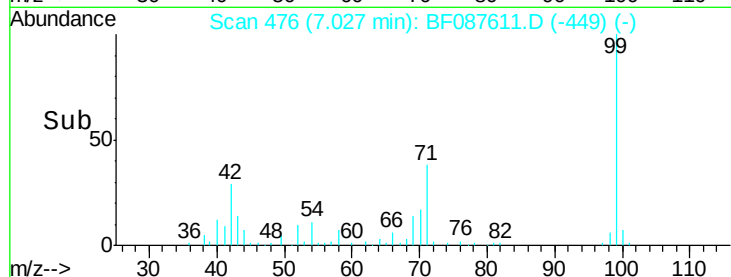
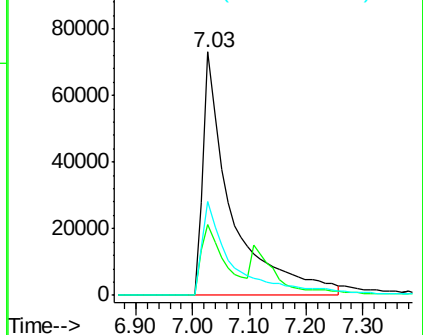
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF087611.D

Acq: 1 Jun 2016 8:19

Tgt Ion: 136 Resp: 472828

Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 10.4 5.0 7.4#

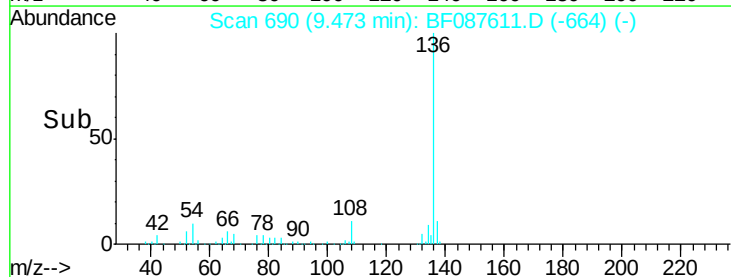
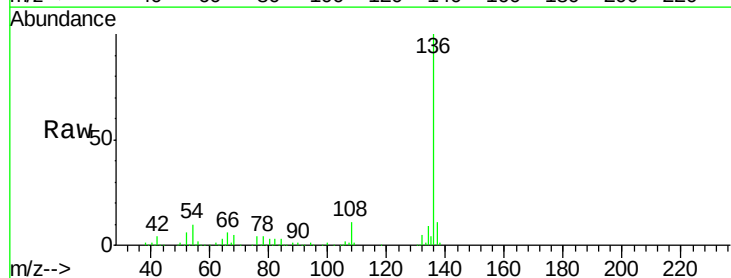
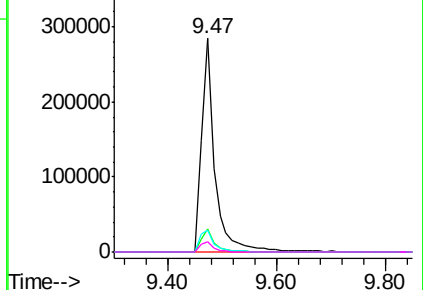
68 5.1 4.4 6.6

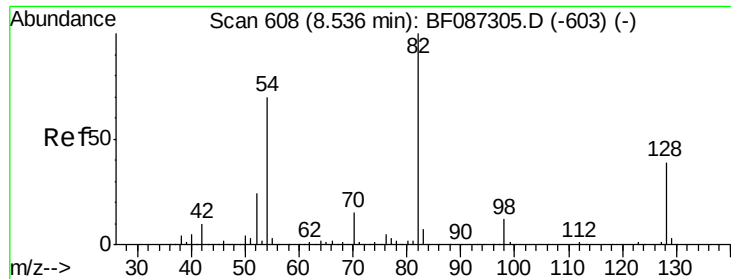
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





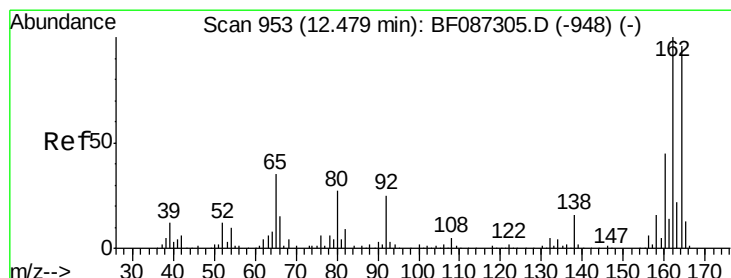
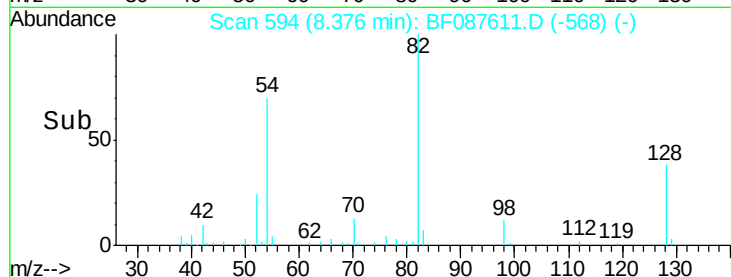
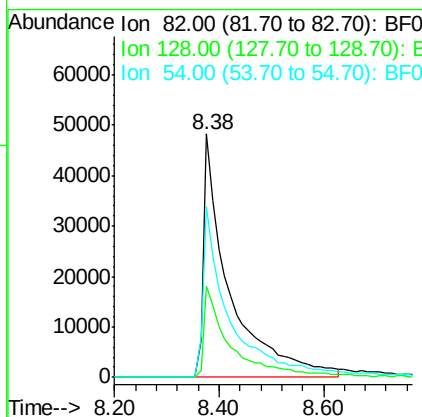
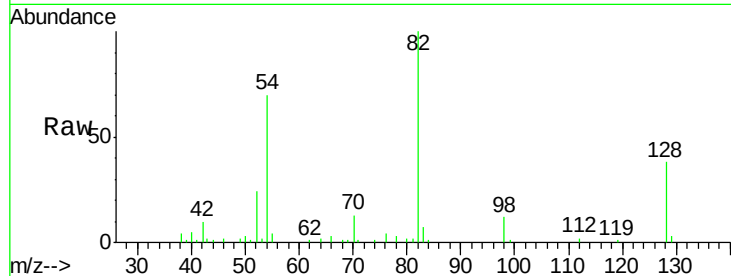
#23
Nitrobenzene-d5
Concen: 17.73 ng
RT: 8.38 min Scan# 594
Delta R.T. 0.00 min
Lab File: BF087611.D
Acq: 1 Jun 2016 8:19

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)

Tot Ion	82	Resp	166335
Ion Ratio	100	Lower	Upper
82	100		
128	37.7	40.6	61.0#
54	70.3	38.1	57.1#

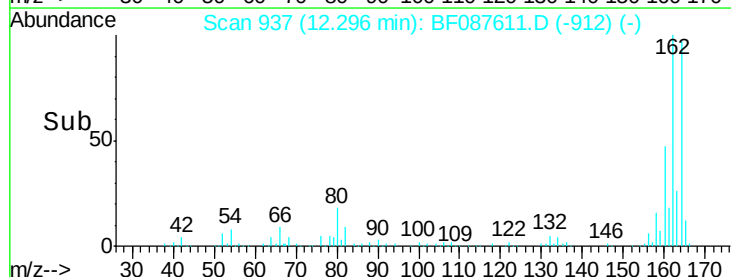
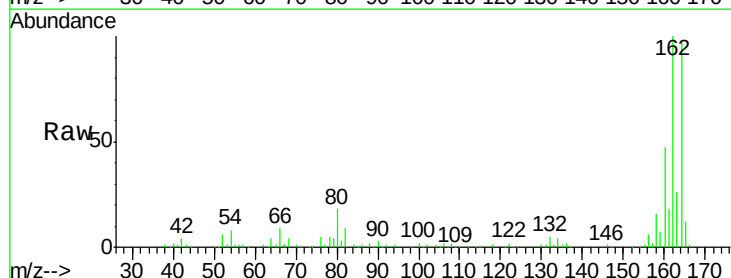
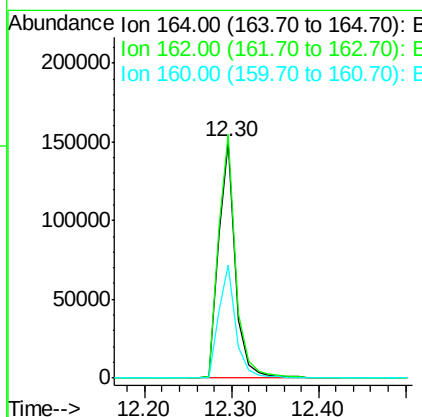
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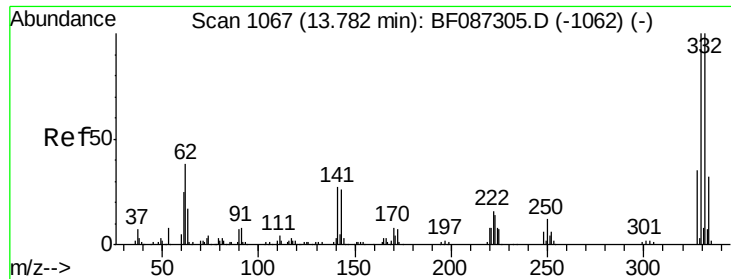
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.30 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF087611.D
Acq: 1 Jun 2016 8:19

Tgt Ion	164	Resp	204180
Ion Ratio	100	Lower	Upper
164	100		
162	103.1	82.8	124.2
160	48.0	36.9	55.3





#41

2,4,6-Tribromophenol

Concen: 23.49 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.01 min

Lab File: BF087611.D

Acq: 1 Jun 2016 8:19

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)

Tot Ion:330 Resp: 46083

Ion Ratio Lower Upper

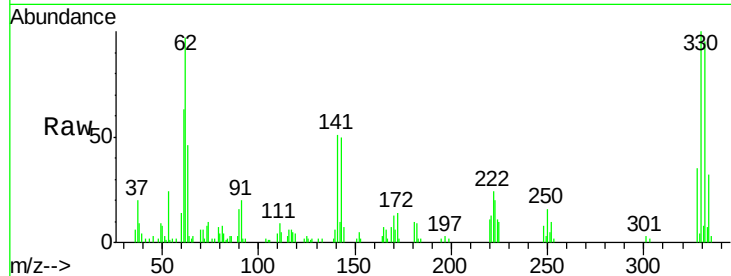
330 100

332 95.2 79.0 118.4

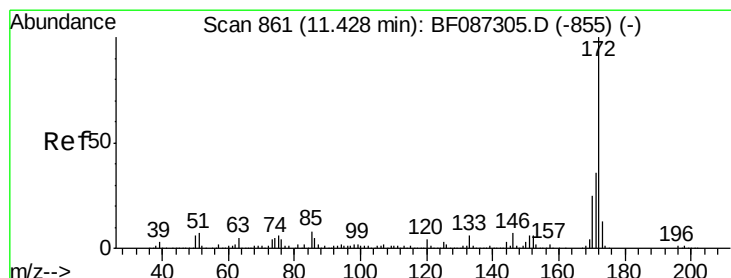
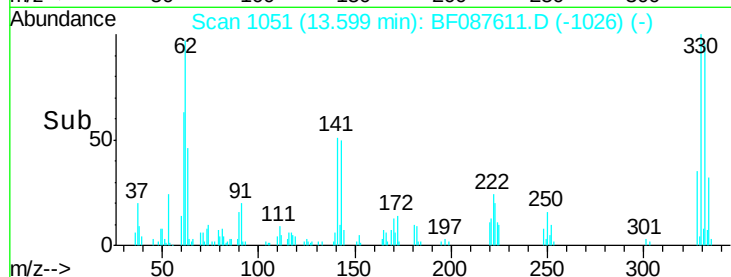
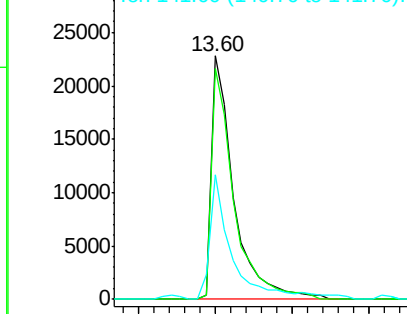
141 51.5 31.2 46.8#

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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: 21.03 ng

RT: 11.24 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF087611.D

Acq: 1 Jun 2016 8:19

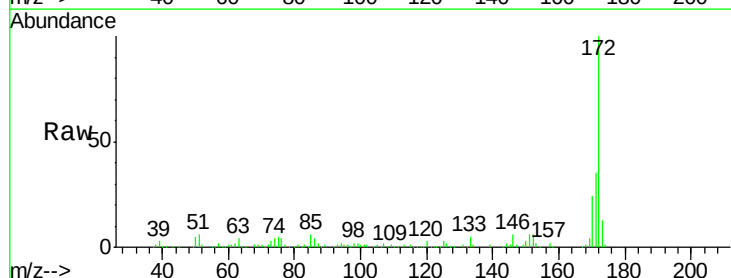
Tgt Ion:172 Resp: 304617

Ion Ratio Lower Upper

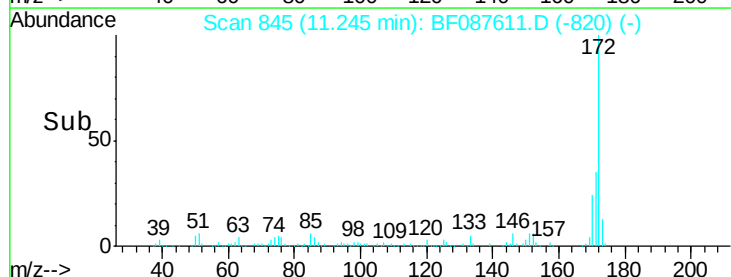
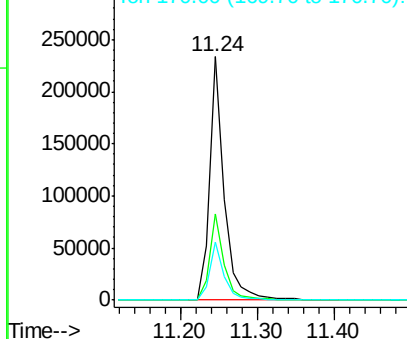
172 100

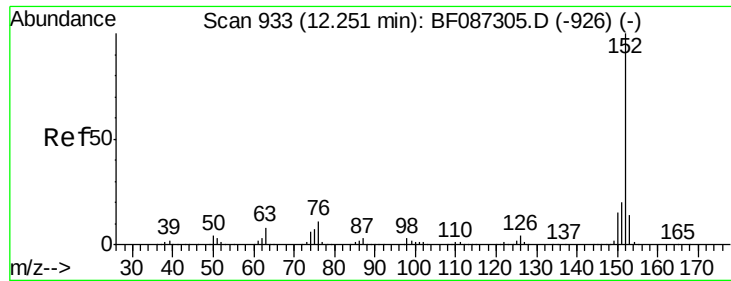
171 35.3 29.0 43.6

170 23.6 19.8 29.8



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





#48

Acenaphthylene

Concen: 3.34 ng

RT: 12.08 min Scan# 918

Delta R.T. 0.00 min

Lab File: BF087611.D

Acq: 1 Jun 2016 8:19

Instrument :

BNA_F

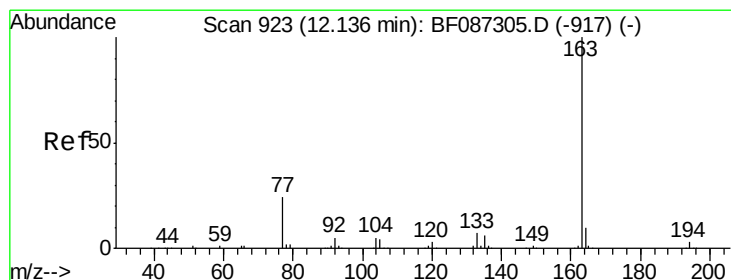
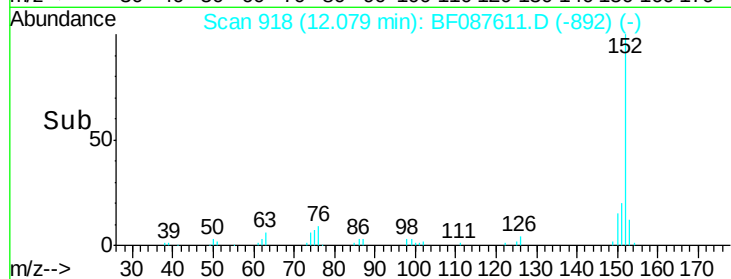
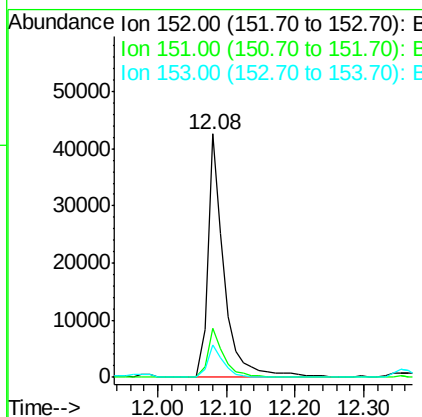
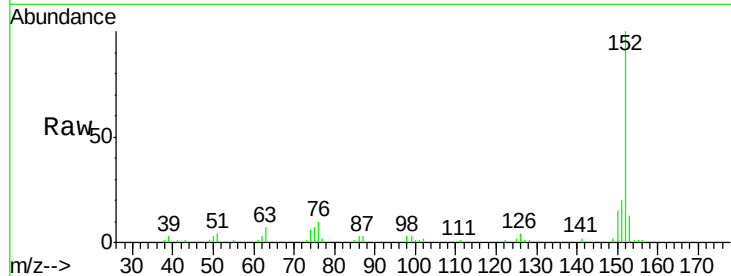
ClientSampleId :

CHS-STA-1711(0-4)

Tot Ion:	152	Resp:	69509
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.8	25.2
153	13.4	10.9	16.3

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#49

Dimethylphthalate

Concen: 2.59 ng

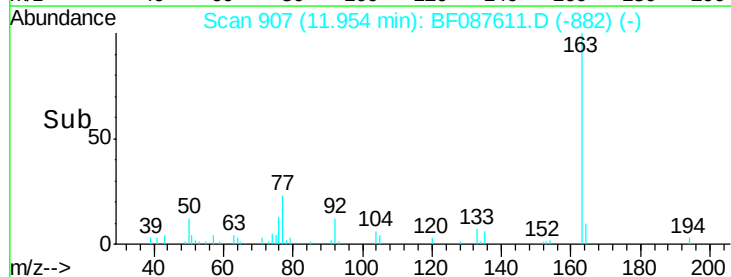
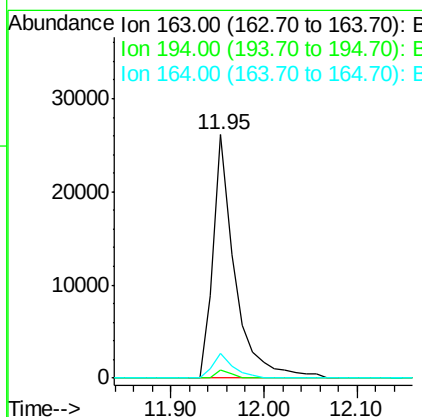
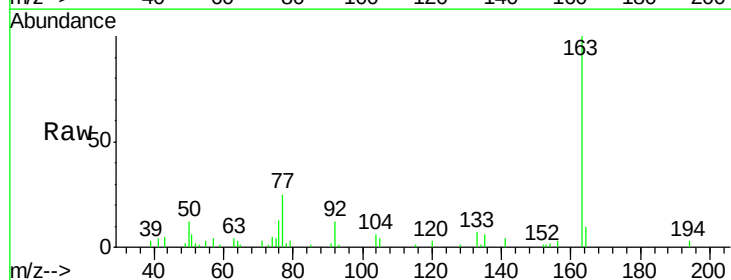
RT: 11.95 min Scan# 907

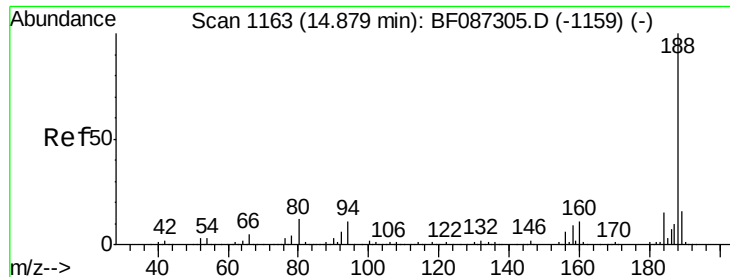
Delta R.T. -0.01 min

Lab File: BF087611.D

Acq: 1 Jun 2016 8:19

Tgt Ion:	163	Resp:	42439
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.6	4.0
164	9.9	8.2	12.4





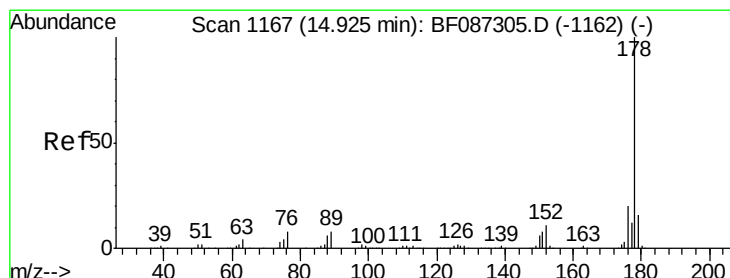
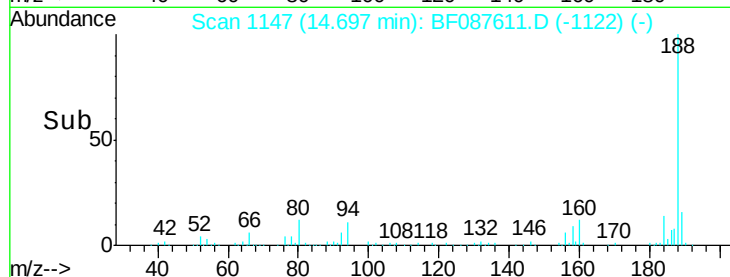
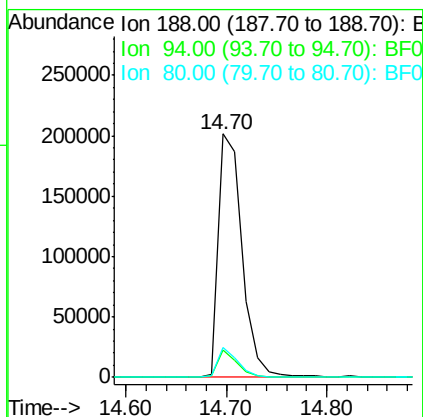
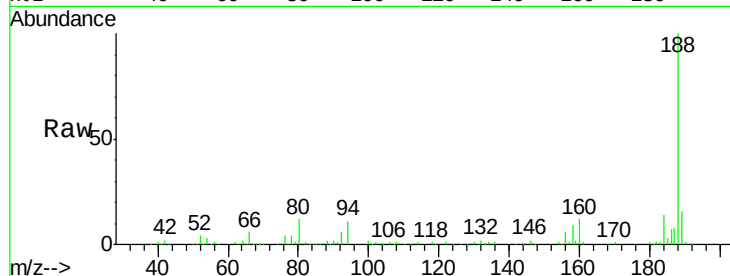
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF087611.D
Acq: 1 Jun 2016 8:19

Instrument :
BNA_F
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CHS-STA-1711(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.1	6.8	10.2	
80	12.0	7.1	10.7	

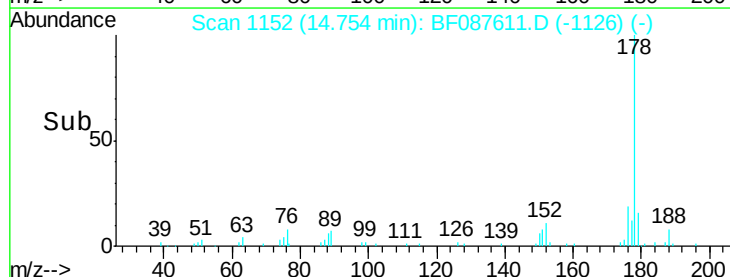
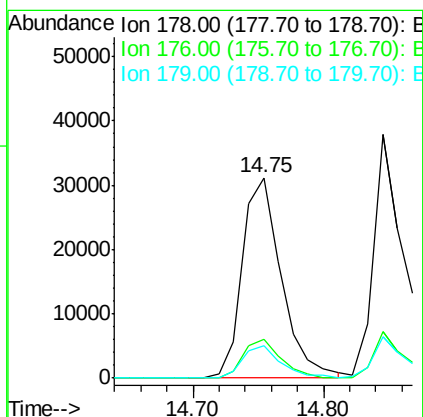
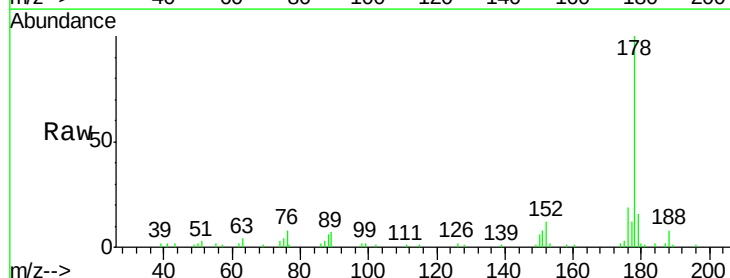
Manual Integrations
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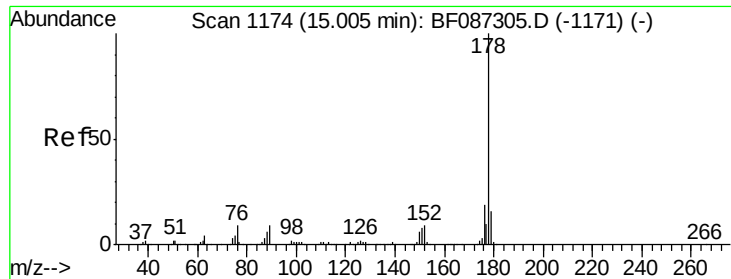
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#70
Phenanthrene
Concen: 3.53 ng
RT: 14.75 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF087611.D
Acq: 1 Jun 2016 8:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.4	16.0	24.0	
179	15.9	12.6	18.8	





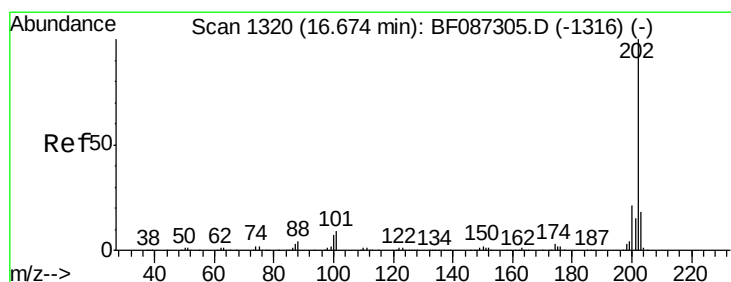
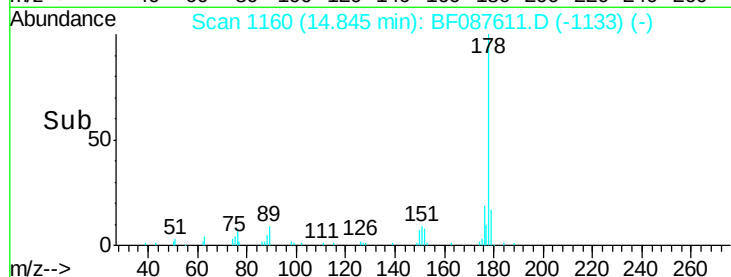
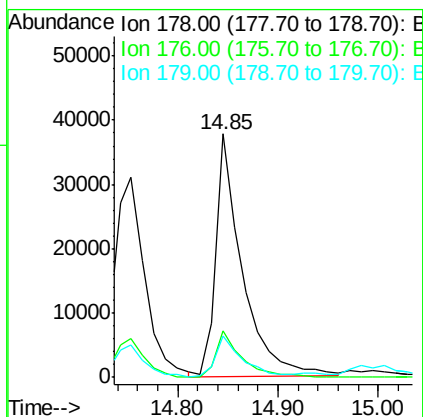
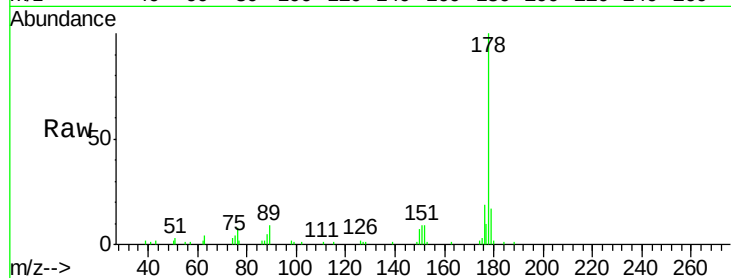
#71
 Anthracene
 Concen: 3.72 ng
 RT: 14.85 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: BF087611.D
 Acq: 1 Jun 2016 8:19

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	16.8	12.7	19.1

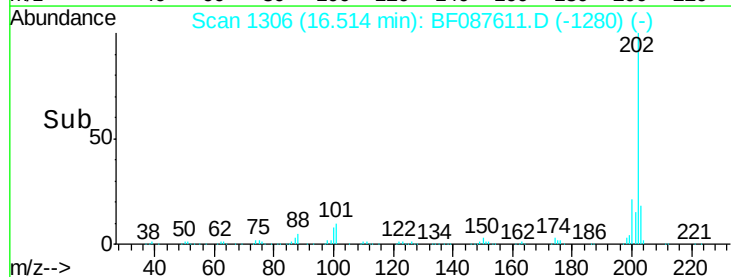
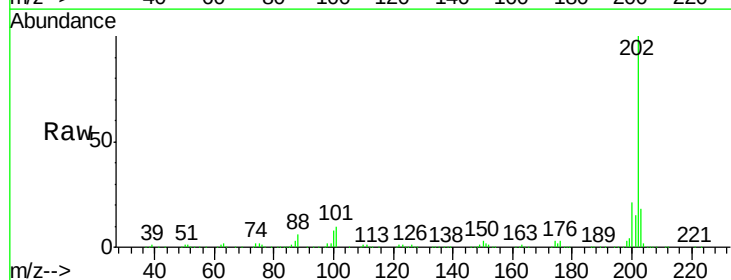
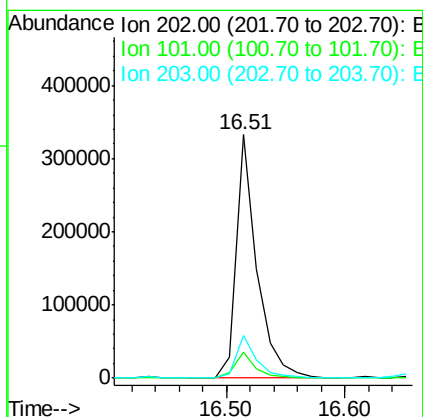
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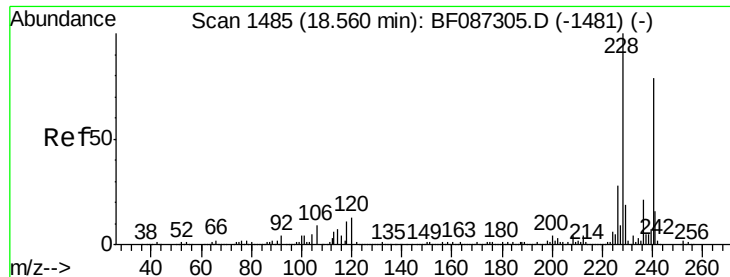
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#74
 Fluoranthene
 Concen: 21.90 ng
 RT: 16.51 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BF087611.D
 Acq: 1 Jun 2016 8:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	35.4
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.42 min Scan# 1473

Delta R.T. 0.00 min

Lab File: BF087611.D

Acq: 1 Jun 2016 8:19

Instrument :

BNA_F

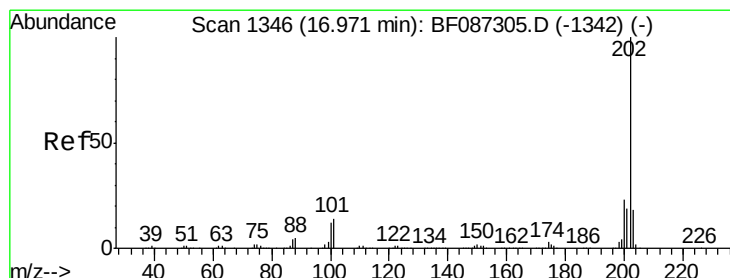
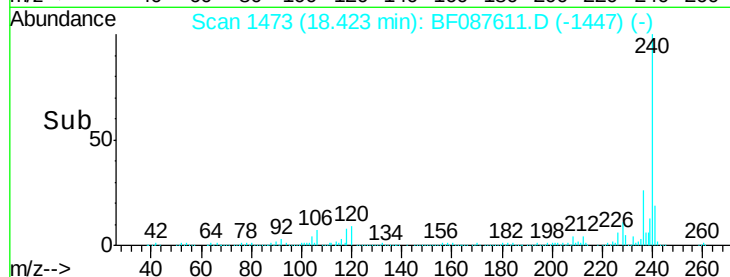
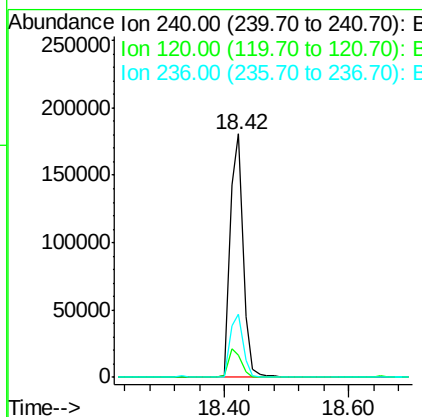
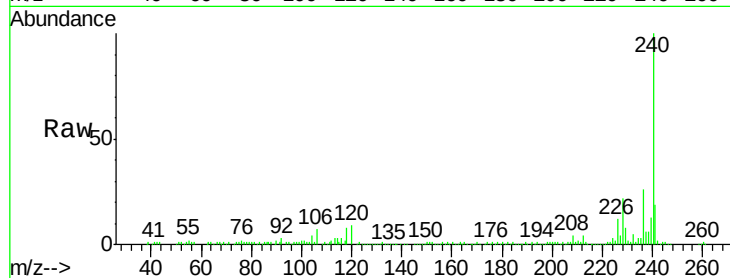
ClientSampleId :

CHS-STA-1711(0-4)

Tot Ion:	240	Resp:	264157
Ion Ratio		Lower	Upper
240	100		
120	9.1	11.2	16.8#
236	25.8	21.2	31.8

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#77

Pyrene

Concen: 21.77 ng

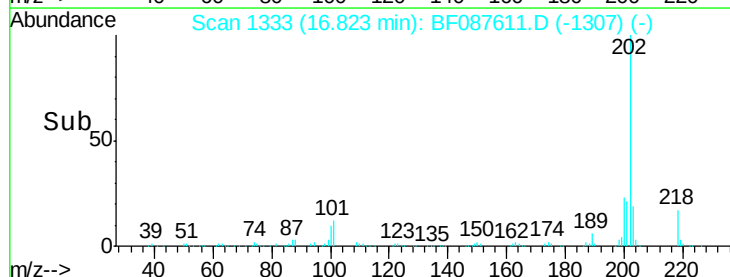
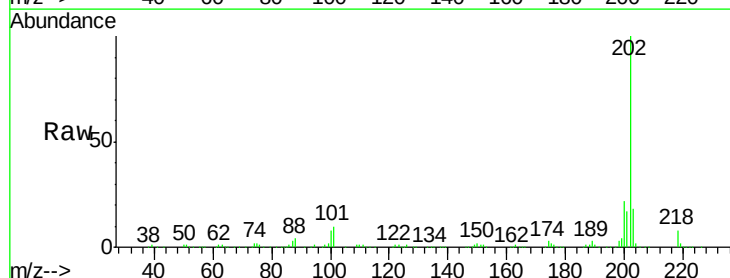
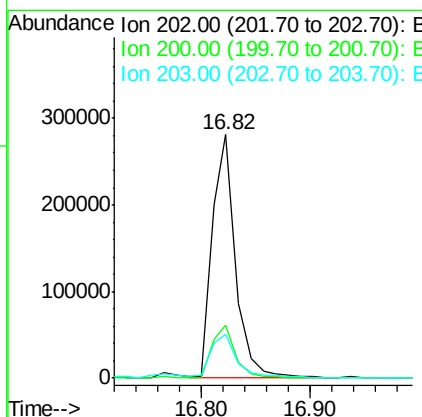
RT: 16.82 min Scan# 1333

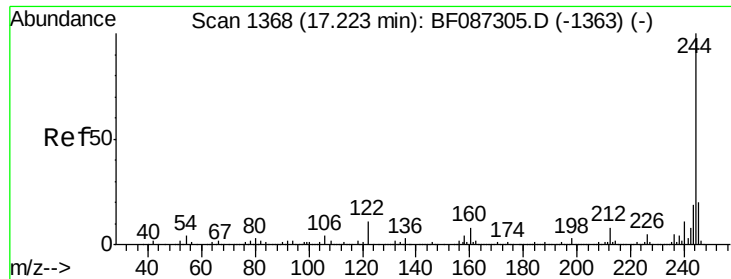
Delta R.T. 0.00 min

Lab File: BF087611.D

Acq: 1 Jun 2016 8:19

Tgt Ion:	202	Resp:	414017
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.7	26.5
203	17.9	14.2	21.4





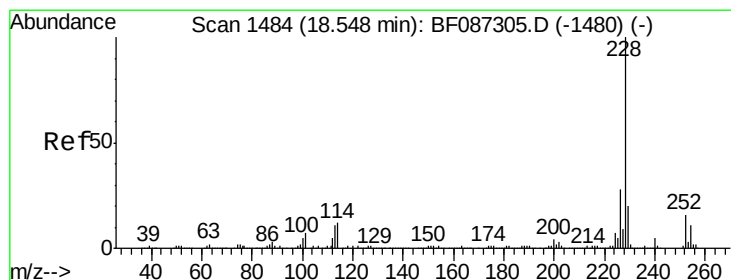
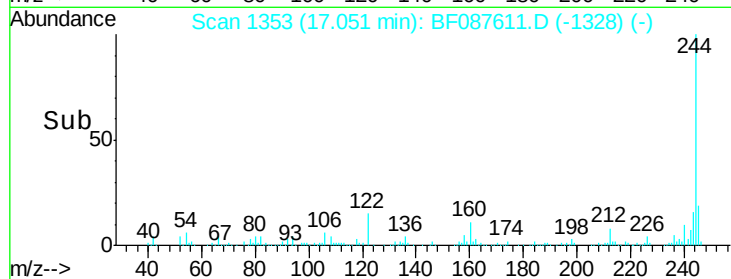
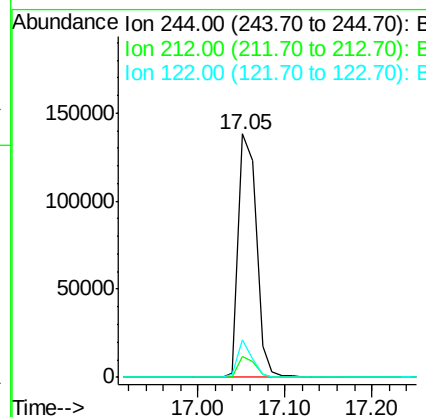
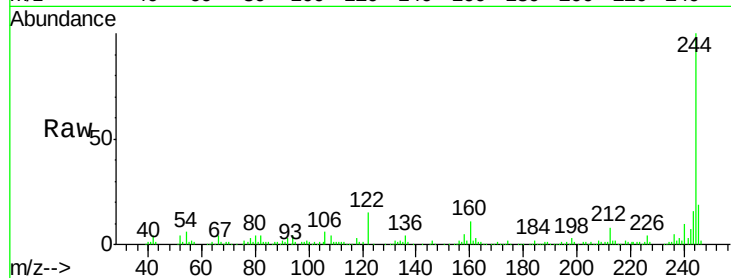
#78
 Terphenyl-d14
 Concen: 15.92 ng
 RT: 17.05 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BF087611.D
 Acq: 1 Jun 2016 8:19

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	8.4	6.2	9.2
122	15.3	12.0	18.0

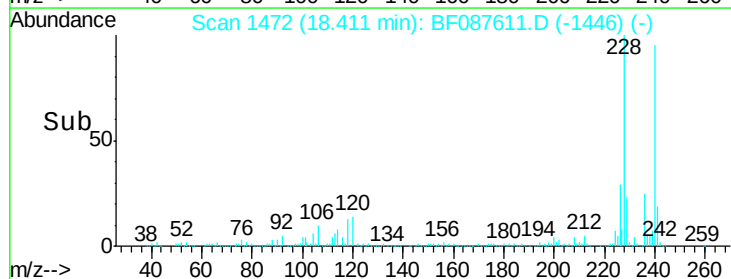
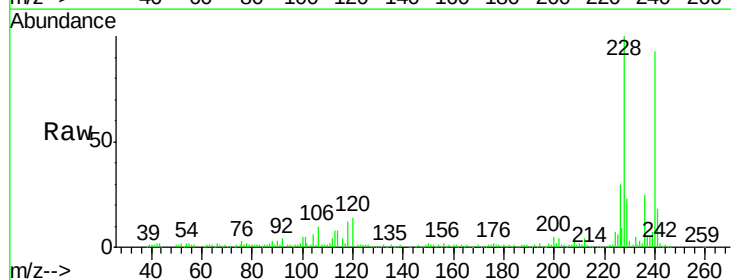
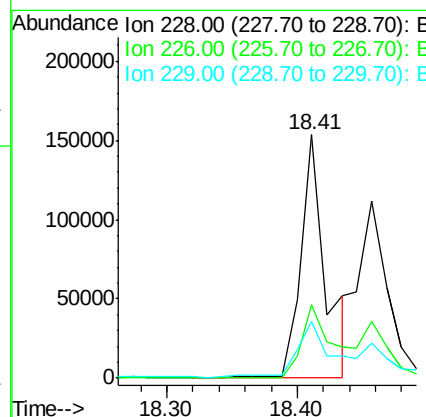
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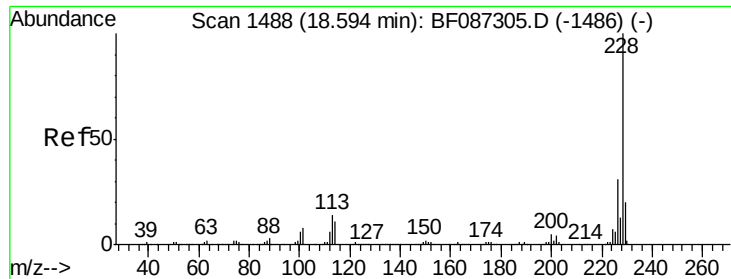
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#80
 Benzo(a)anthracene
 Concen: 13.54 ng
 RT: 18.41 min Scan# 1472
 Delta R.T. 0.00 min
 Lab File: BF087611.D
 Acq: 1 Jun 2016 8:19

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.2	22.5	33.7
229	23.5	16.6	25.0





#82

Chrysene

Concen: 11.43 ng

RT: 18.46 min Scan# 1476

Delta R.T. 0.00 min

Lab File: BF087611.D

Acq: 1 Jun 2016 8:19

Instrument :

BNA_F

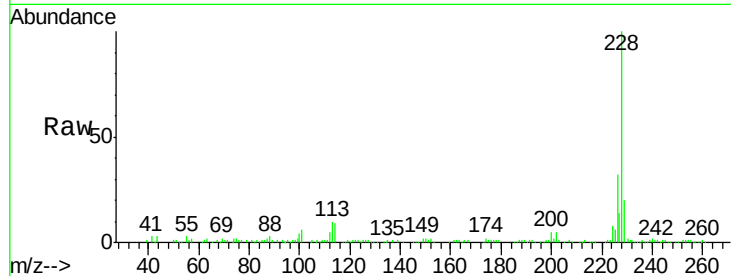
ClientSampleId :

CHS-STA-1711(0-4)

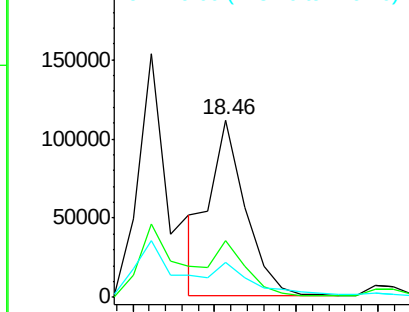
Tot Ion:	228	Resp:	170460
Ion Ratio		Lower	Upper
228	100		
226	31.6	24.4	36.6
229	19.6	15.8	23.8

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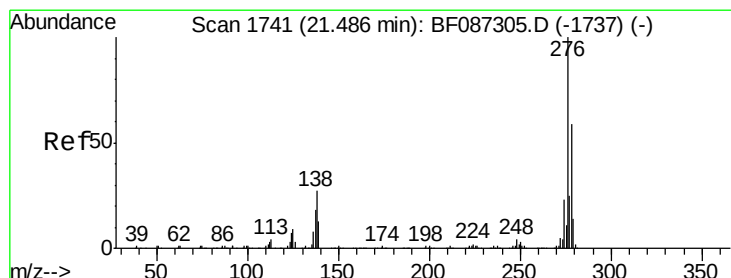
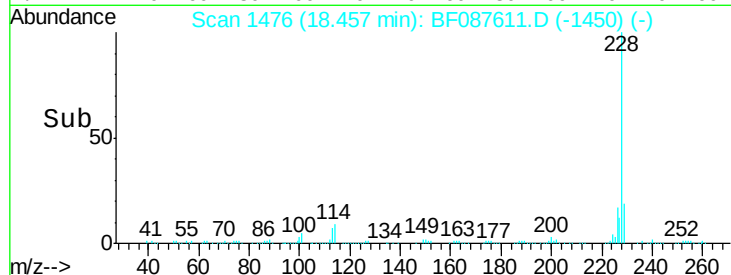
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.74 ng

RT: 21.36 min Scan# 1730

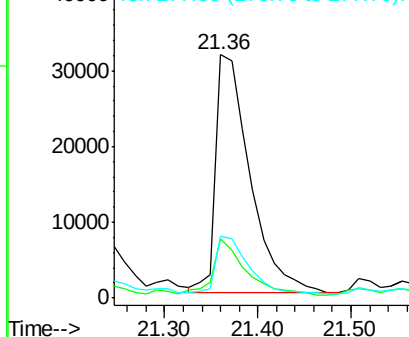
Delta R.T. 0.05 min

Lab File: BF087611.D

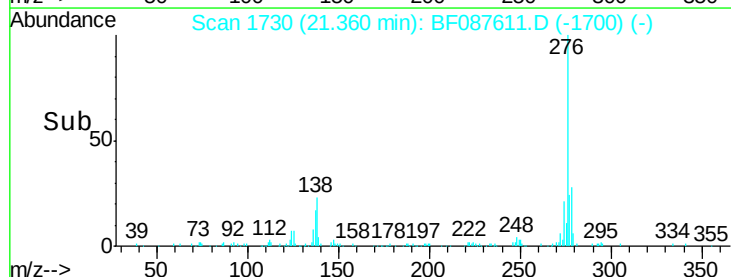
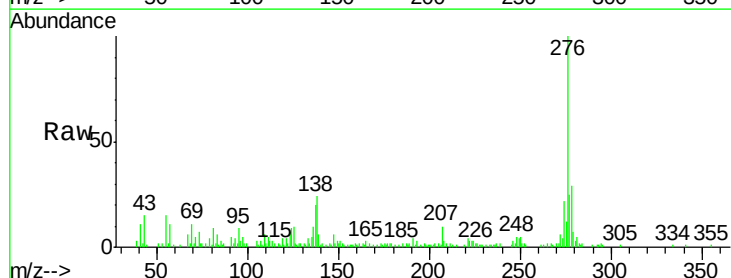
Acq: 1 Jun 2016 8:19

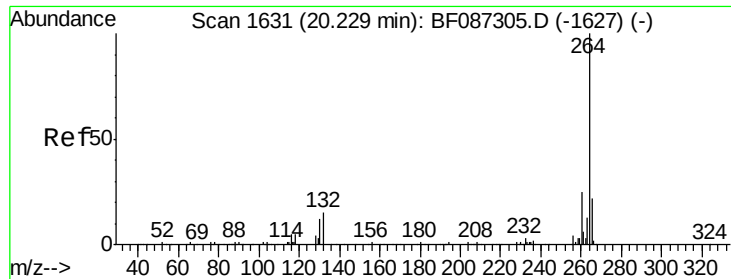
Tgt Ion:	276	Resp:	80616
Ion Ratio		Lower	Upper
276	100		
138	22.5	25.6	38.4#
277	23.6	20.5	30.7

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.10 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF087611.D

Acq: 1 Jun 2016 8:19

Instrument :

BNA_F

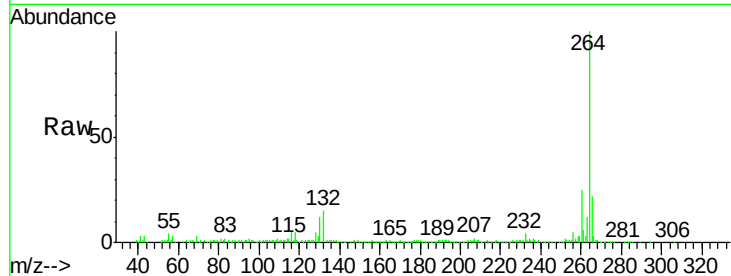
ClientSampleId :

CHS-STA-1711(0-4)

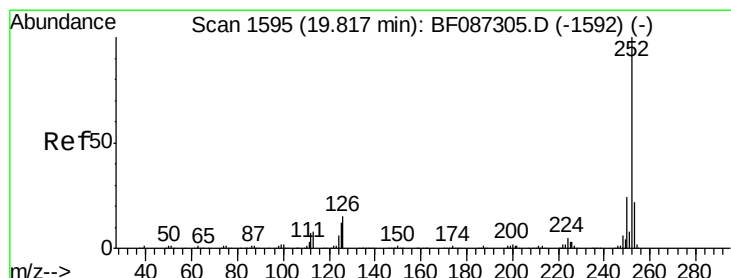
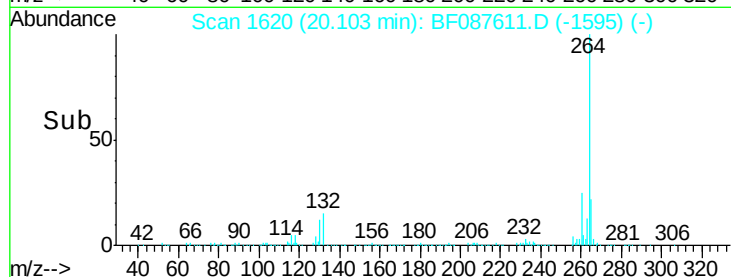
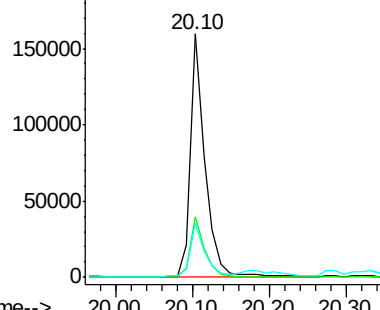
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.3	17.3	25.9

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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: 20.28 ng m

RT: 19.69 min Scan# 1584

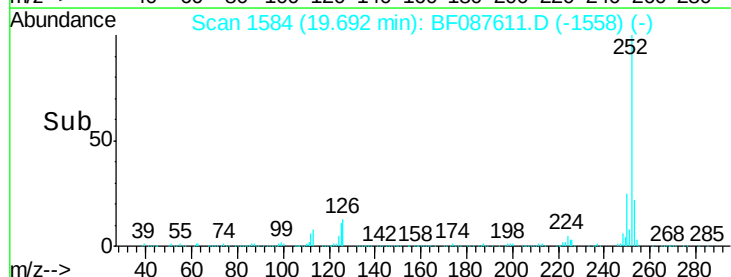
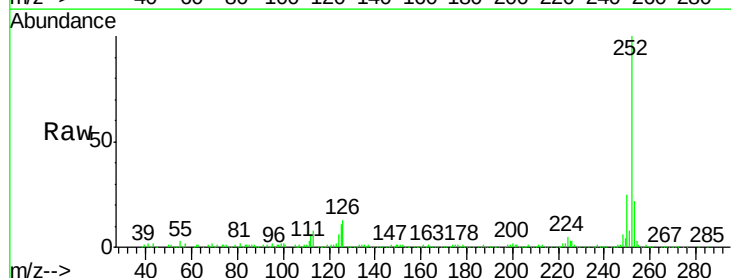
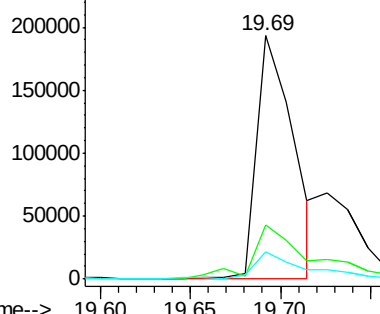
Delta R.T. 0.00 min

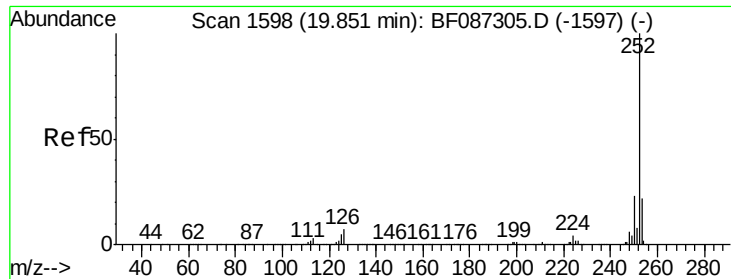
Lab File: BF087611.D

Acq: 1 Jun 2016 8:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	11.2	11.4	17.0#

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





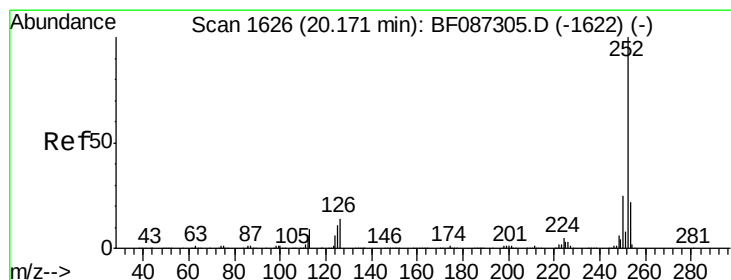
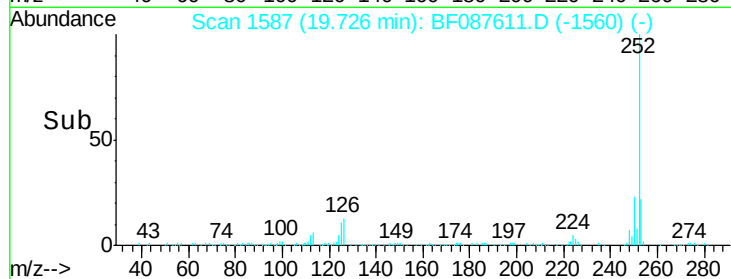
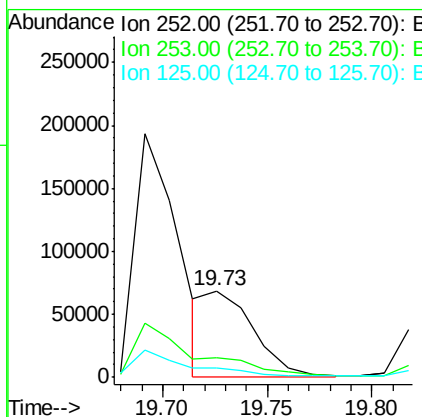
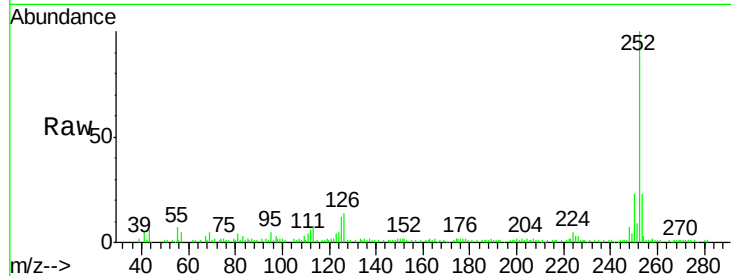
#88
Benzo(k)fluoranthene
Concen: 9.31 ng m
RT: 19.73 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF087611.D
Acq: 1 Jun 2016 8:19

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	11.6	9.1	13.7

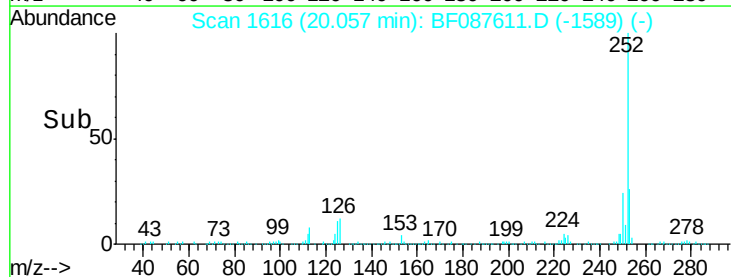
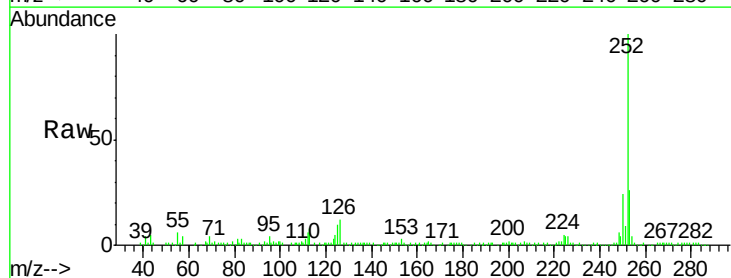
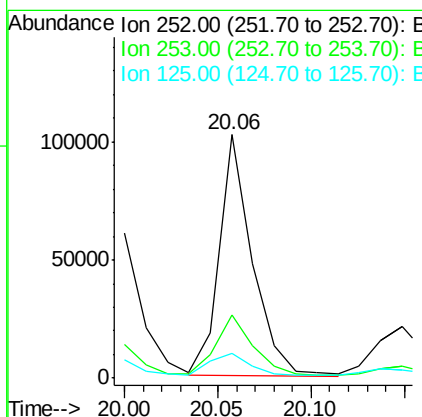
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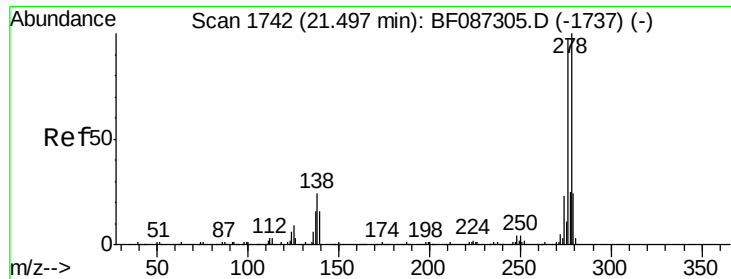
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#89
Benzo(a)pyrene
Concen: 10.76 ng
RT: 20.06 min Scan# 1616
Delta R.T. 0.01 min
Lab File: BF087611.D
Acq: 1 Jun 2016 8:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.2	25.8#
125	10.4	9.0	13.6





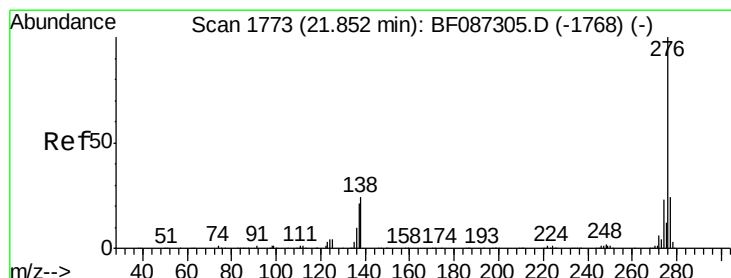
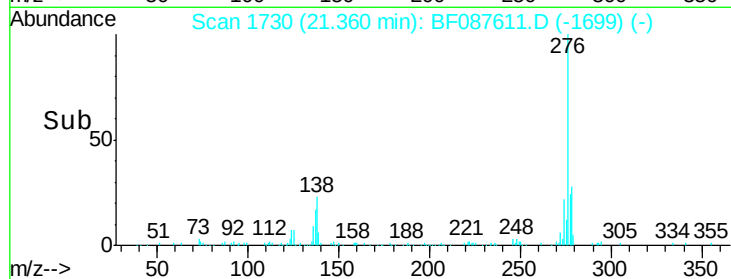
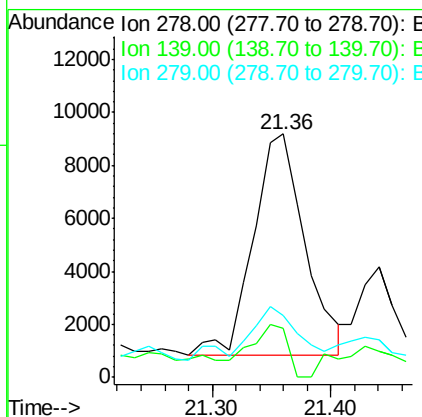
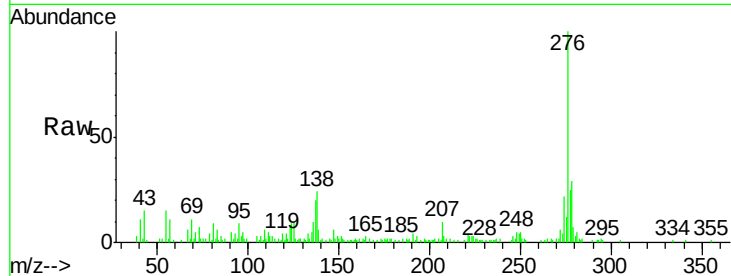
#90
Dibenzo(a,h)anthracene
Concen: 2.49 ng
RT: 21.36 min Scan# 1730
Delta R.T. 0.06 min
Lab File: BF087611.D
Acq: 1 Jun 2016 8:19

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.1	16.6	24.8
279	25.3	19.6	29.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.80 ng
RT: 21.73 min Scan# 1762
Delta R.T. 0.05 min
Lab File: BF087611.D
Acq: 1 Jun 2016 8:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.6	29.4
138	21.8	23.6	35.4#

