

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
 Data File : BF087615.D
 Acq On : 1 Jun 2016 10:35
 Operator : UM/SJ
 Sample : H3190-16DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1679(0-4)

Manual Integrations
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Quant Time: Jun 01 14:25:38 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	99480	20.00	ng	-0.08
21) Naphthalene-d8	9.47	136	389640	20.00	ng	-0.08
38) Acenaphthene-d10	12.30	164	168064	20.00	ng	-0.09
63) Phenanthrene-d10	14.70	188	261302	20.00	ng	-0.08
75) Chrysene-d12	18.41	240	210147	20.00	ng	-0.07
86) Perylene-d12	20.10	264	178679	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	162010m	28.62	ng	-0.03
7) Phenol-d6	7.03	99	231316m	30.24	ng	-0.05
23) Nitrobenzene-d5	8.38	82	156321	20.22	ng	-0.07
41) 2,4,6-Tribromophenol	13.60	330	38318	23.73	ng	-0.08
44) 2-Fluorobiphenyl	11.24	172	265206	22.25	ng	-0.09
78) Terphenyl-d14	17.05	244	151479	15.32	ng	-0.08
Target Compounds						Qvalue
48) Acenaphthylene	12.08	152	44545	2.60	ng	98
49) Dimethylphthalate	11.94	163	92593	6.88	ng	98
70) Phenanthrene	14.74	178	86516	5.98	ng	100
71) Anthracene	14.85	178	43989	3.01	ng	97
74) Fluoranthene	16.51	202	291040	20.05	ng	94
77) Pyrene	16.82	202	255294	16.88	ng	99
80) Benzo(a)anthracene	18.41	228	131613m	11.01	ng	
82) Chrysene	18.46	228	147277m	12.41	ng	
85) Indeno(1,2,3-cd)pyrene	21.36	276	57572m	6.05	ng	
87) Benzo(b)fluoranthene	19.69	252	173812m	15.27	ng	
88) Benzo(k)fluoranthene	19.73	252	67599m	6.90	ng	
89) Benzo(a)pyrene	20.06	252	95397	9.69	ng	95
90) Dibenzo(a,h)anthracene	21.35	278	17565m	2.09	ng	
91) Benzo(g,h,i)perylene	21.71	276	44740	5.40	ng	95

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

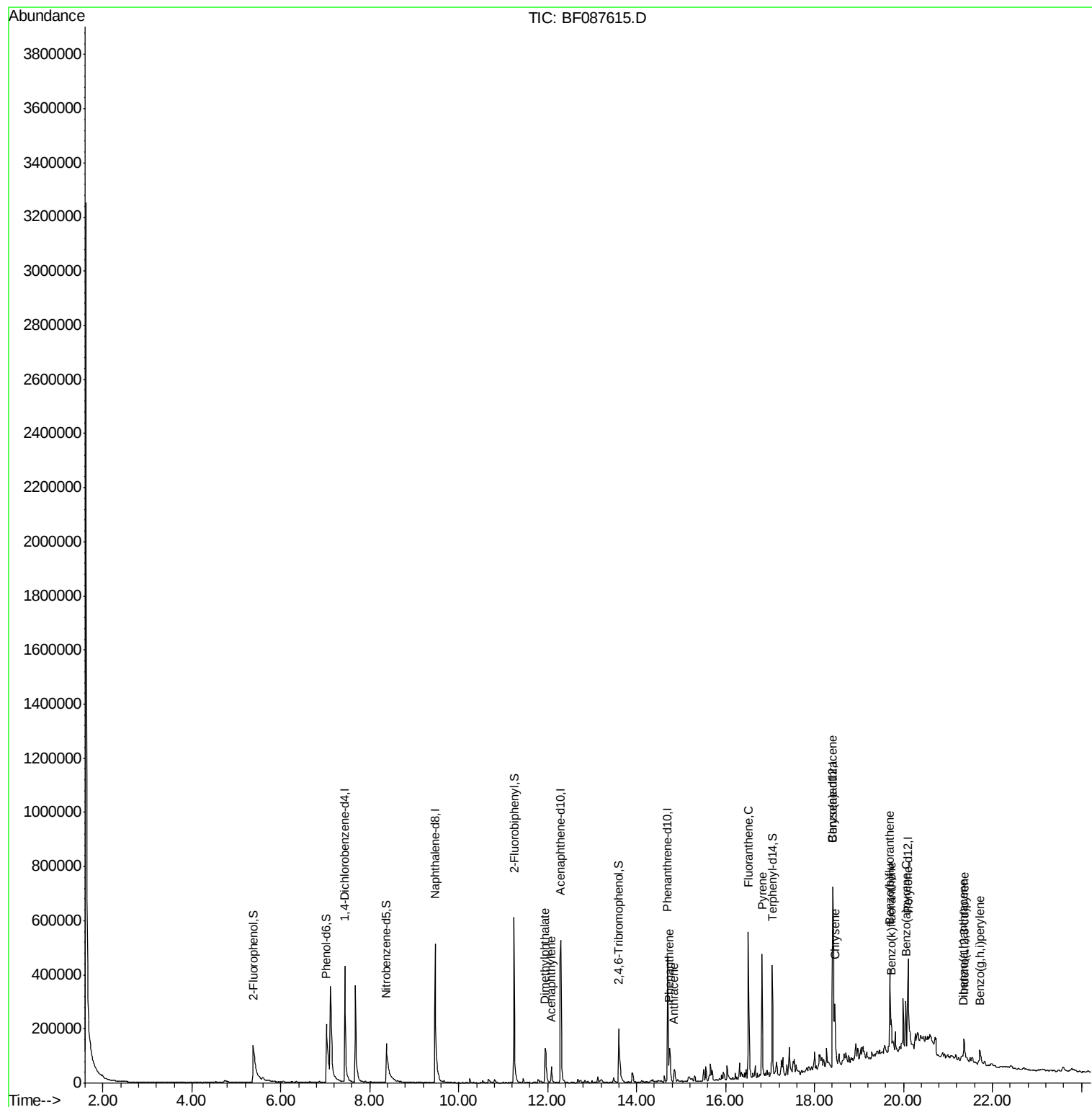
Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
Data File : BF087615.D
Acq On : 1 Jun 2016 10:35
Operator : UM/SJ
Sample : H3190-16DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

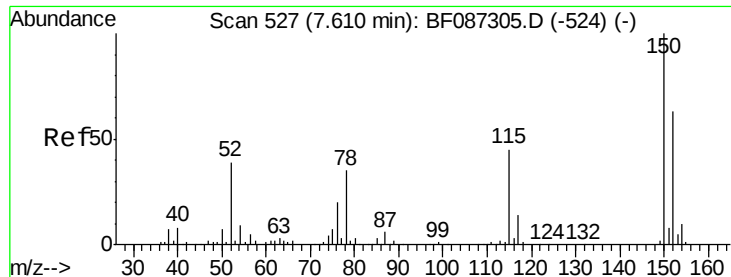
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
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#1

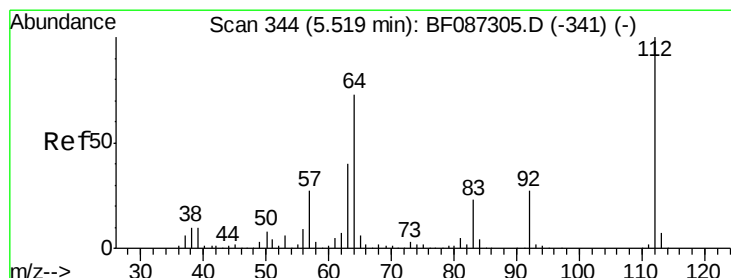
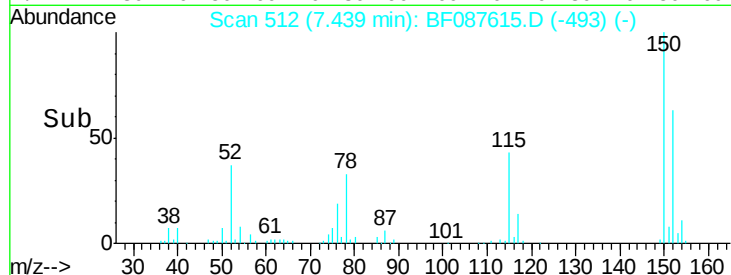
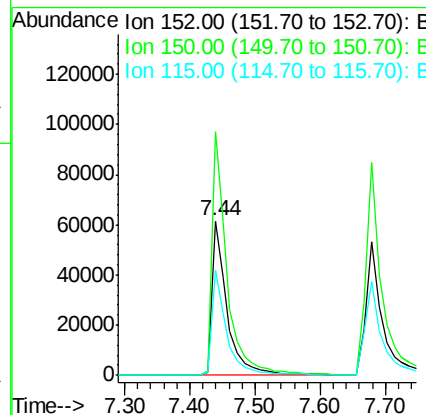
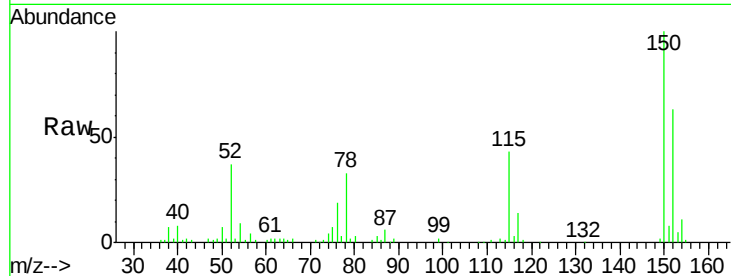
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.08 min
Lab File: BF087615.D
Acq: 1 Jun 2016 10:35

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1679(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.8	188.6
115	68.5	51.5	77.3

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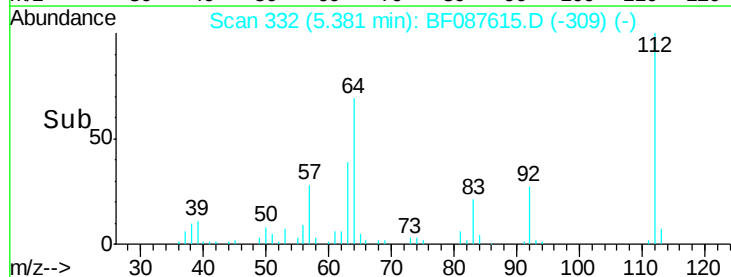
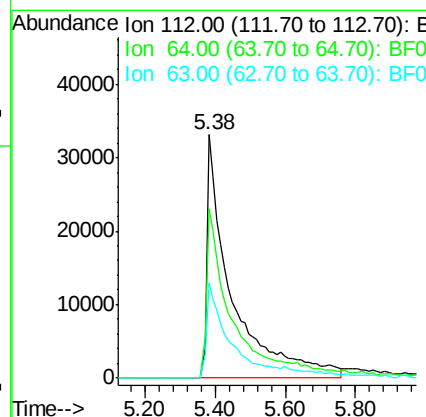
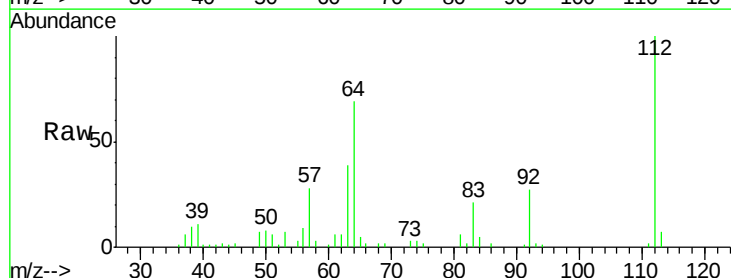
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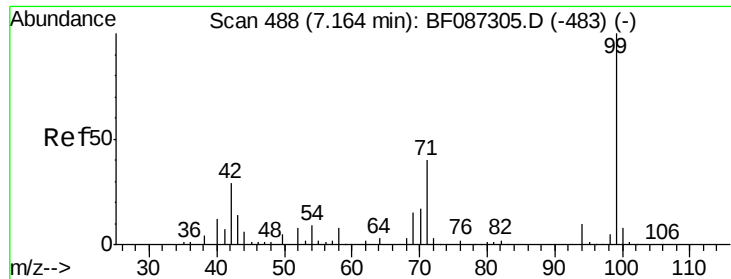


#5

2-Fluorophenol
Concen: 28.62 ng m
RT: 5.38 min Scan# 332
Delta R.T. -0.03 min
Lab File: BF087615.D
Acq: 1 Jun 2016 10:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	52.1	78.1
63	39.0	25.7	38.5





#7

Phenol-d6

Concen: 30.24 ng/ml

RT: 7.03 min Scan# 476

Delta R.T. -0.05 min

Lab File: BF087615.D

Acq: 1 Jun 2016 10:35

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1679(0-4)

Tot Ion: 99 Resp: 231316

Ion Ratio Lower Upper

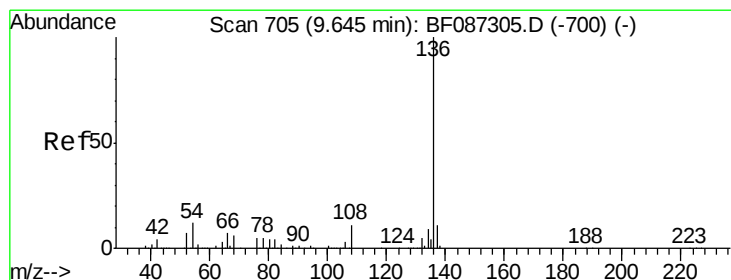
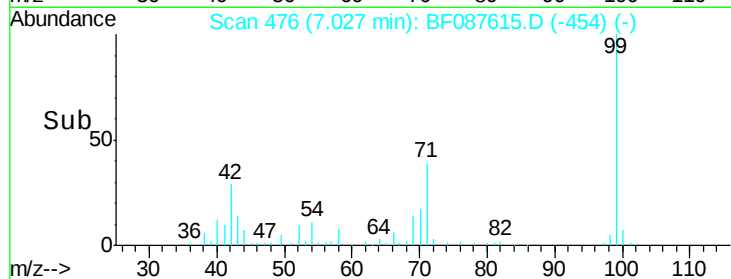
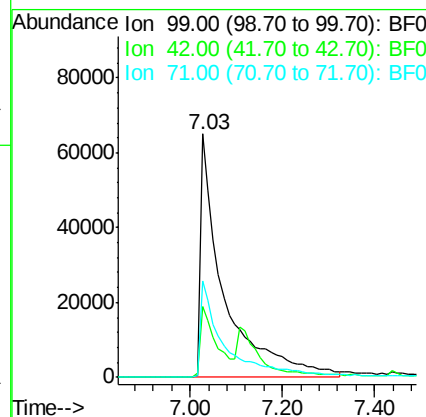
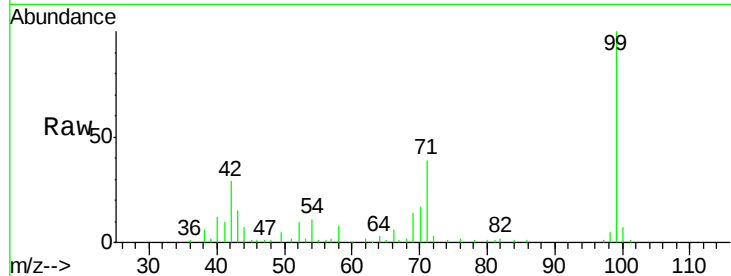
99 100

42 29.3 13.6 20.4#

71 39.4 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.08 min

Lab File: BF087615.D

Acq: 1 Jun 2016 10:35

Tgt Ion: 136 Resp: 389640

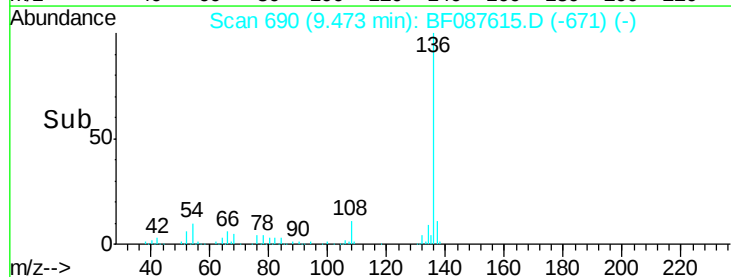
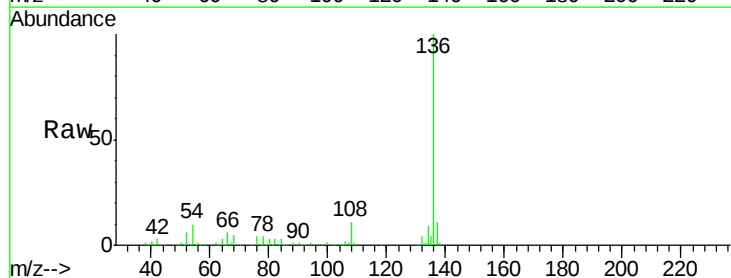
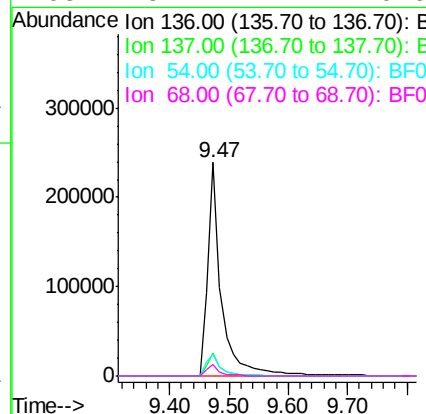
Ion Ratio Lower Upper

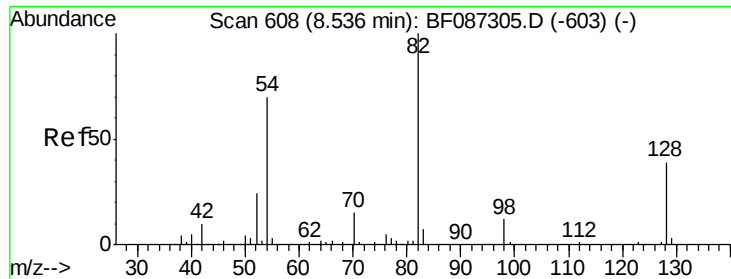
136 100

137 10.5 8.8 13.2

54 10.4 5.0 7.4#

68 5.2 4.4 6.6





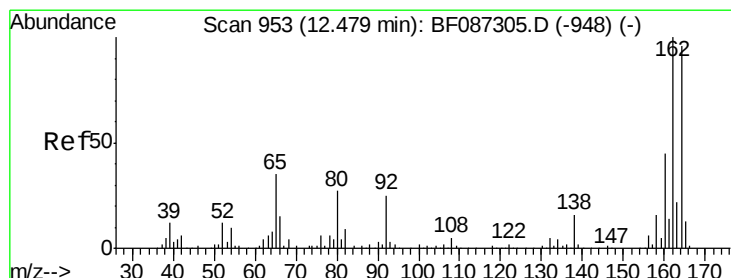
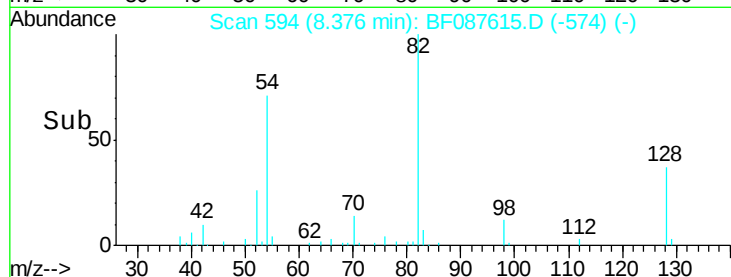
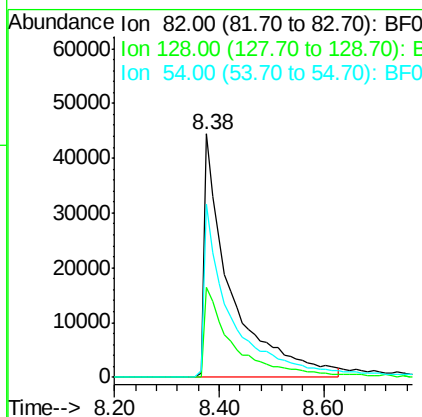
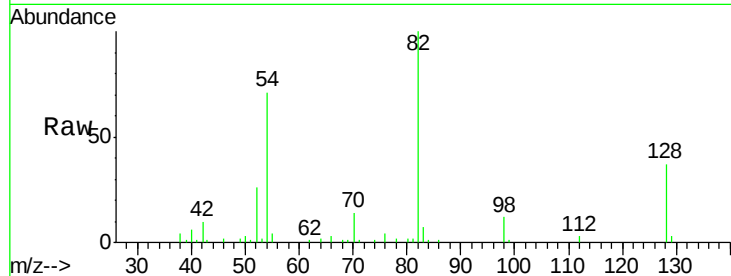
#23
Nitrobenzene-d5
Concen: 20.22 ng
RT: 8.38 min Scan# 594
Delta R.T. -0.07 min
Lab File: BF087615.D
Acq: 1 Jun 2016 10:35

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1679(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	156321		
128	36.7	40.6	61.0#	
54	71.0	38.1	57.1#	

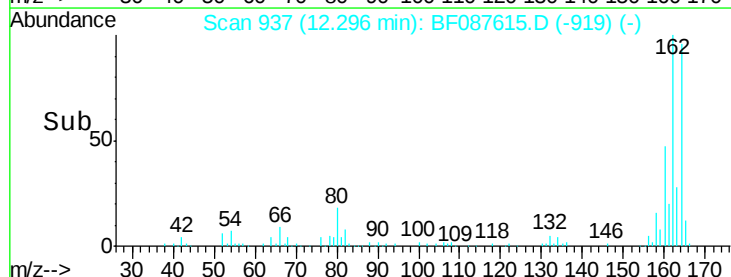
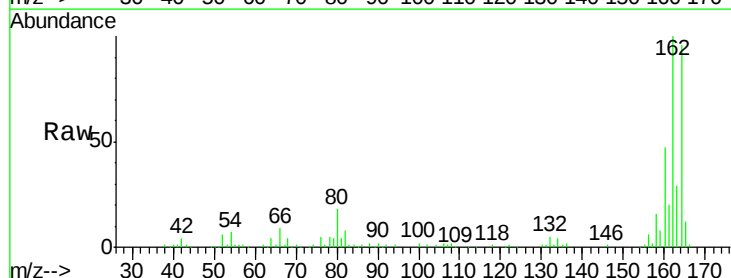
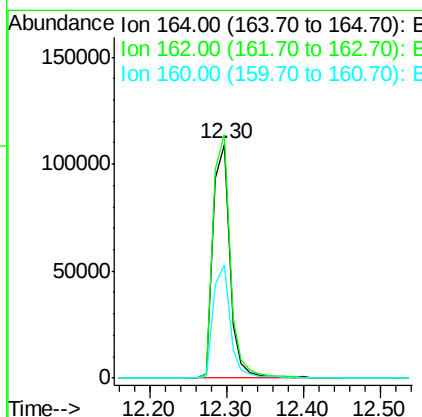
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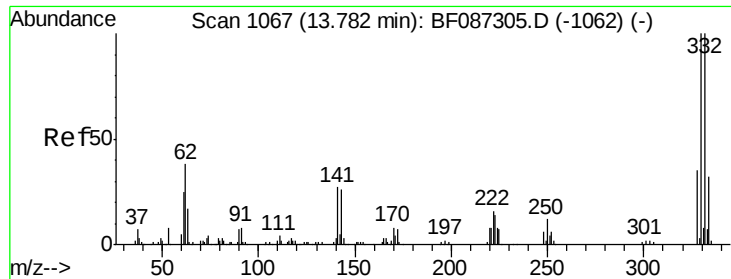
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.30 min Scan# 937
Delta R.T. -0.09 min
Lab File: BF087615.D
Acq: 1 Jun 2016 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	168064		
162	104.2	82.8	124.2	
160	48.5	36.9	55.3	





#41

2,4,6-Tribromophenol

Concen: 23.73 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.08 min

Lab File: BF087615.D

Acq: 1 Jun 2016 10:35

Instrument :

BNA_F

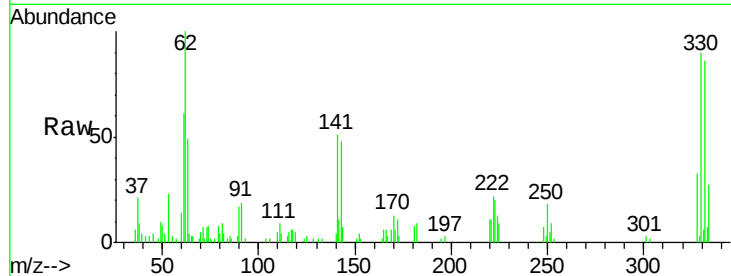
ClientSampleId :

CHS-STA-1679(0-4)

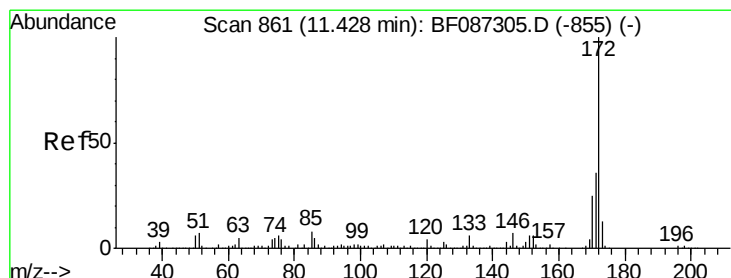
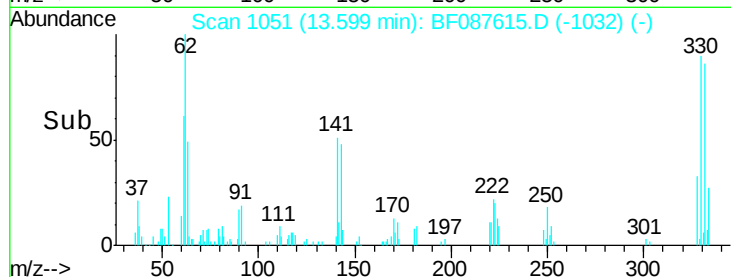
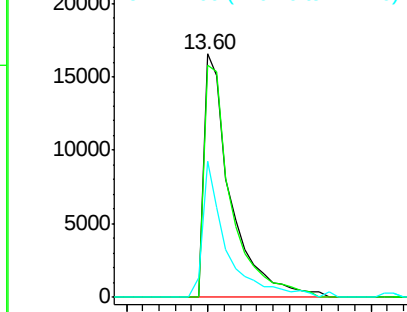
Tot Ion:	330	Resp:	38318
Ion Ratio	Lower	Upper	
330	100		
332	96.9	79.0	118.4
141	49.4	31.2	46.8

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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: 22.25 ng

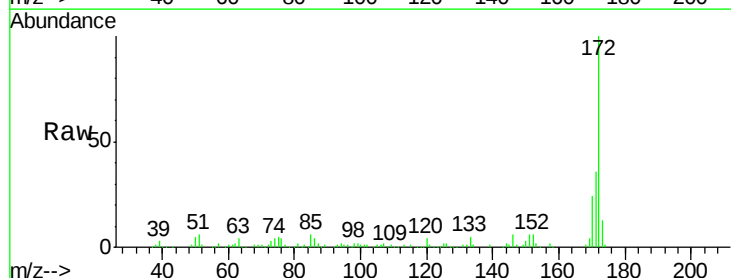
RT: 11.24 min Scan# 845

Delta R.T. -0.09 min

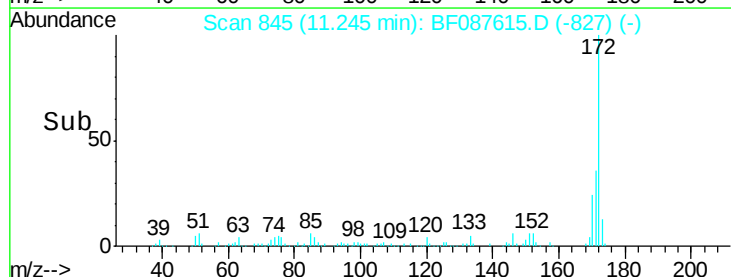
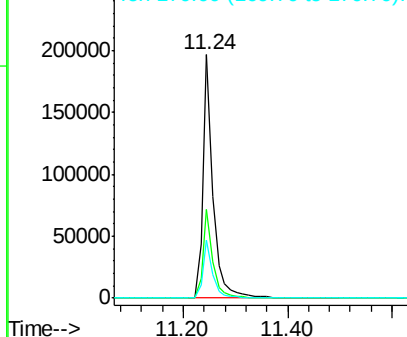
Lab File: BF087615.D

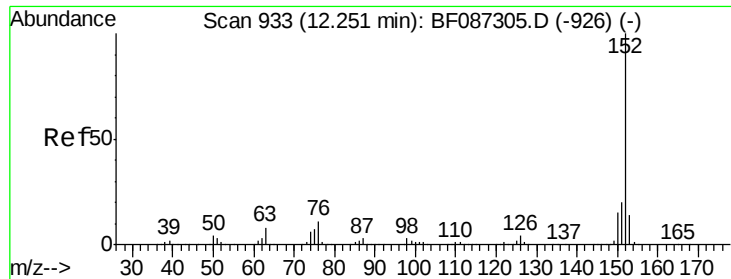
Acq: 1 Jun 2016 10:35

Tgt Ion:	172	Resp:	265206
Ion Ratio	Lower	Upper	
172	100		
171	36.2	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





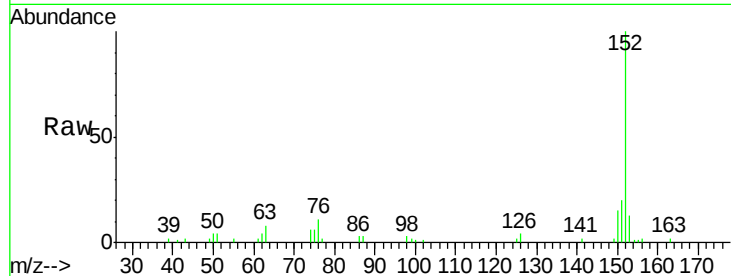
#48
Acenaphthylene
Concen: 2.60 ng
RT: 12.08 min Scan# 918
Delta R.T. -0.08 min
Lab File: BF087615.D
Acq: 1 Jun 2016 10:35

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1679(0-4)

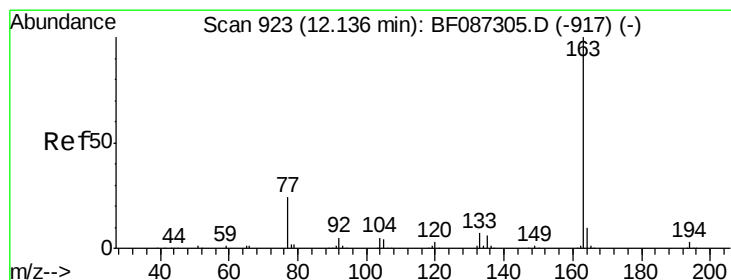
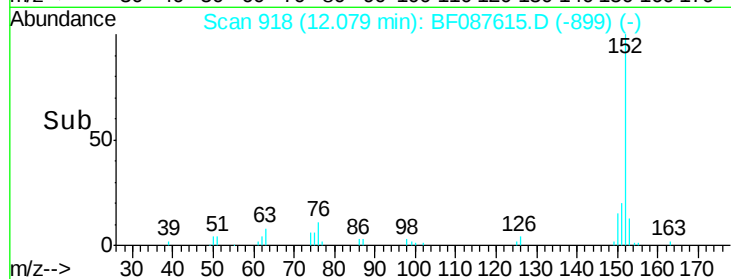
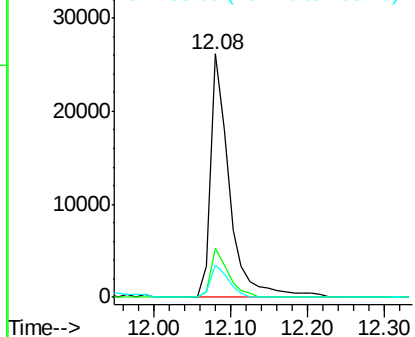
Tot Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.8	25.2
153	13.5	10.9	16.3

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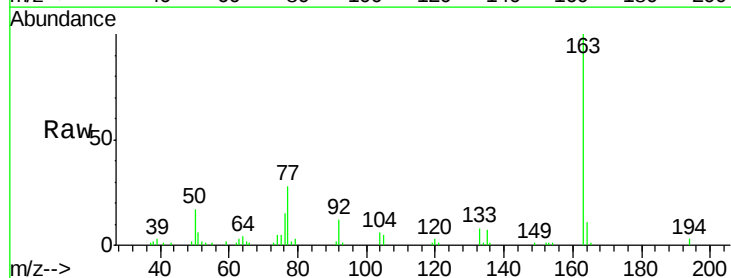


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

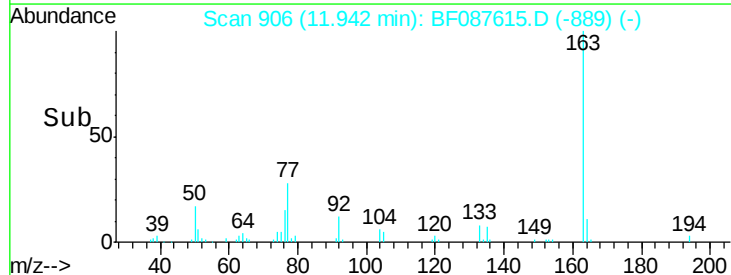
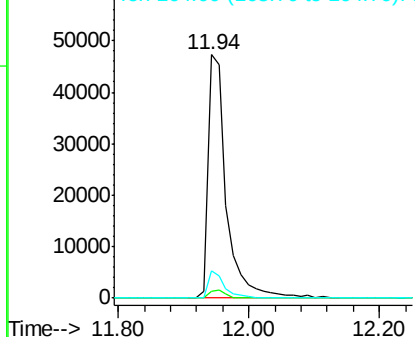


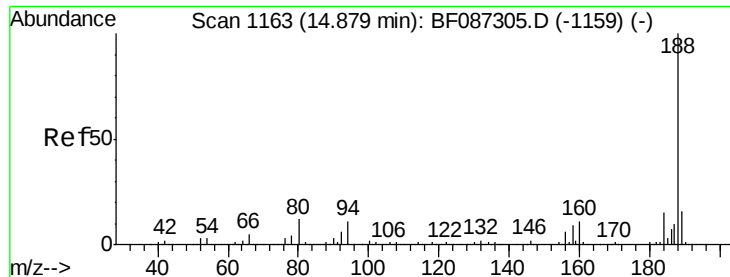
#49
Dimethylphthalate
Concen: 6.88 ng
RT: 11.94 min Scan# 906
Delta R.T. -0.10 min
Lab File: BF087615.D
Acq: 1 Jun 2016 10:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	11.0	8.2	12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





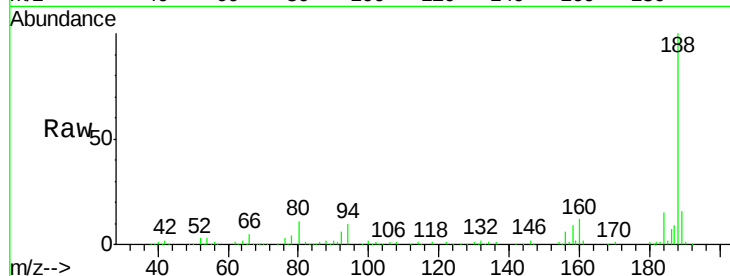
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.08 min
Lab File: BF087615.D
Acq: 1 Jun 2016 10:35

Instrument :
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ClientSampleId :
CHS-STA-1679(0-4)

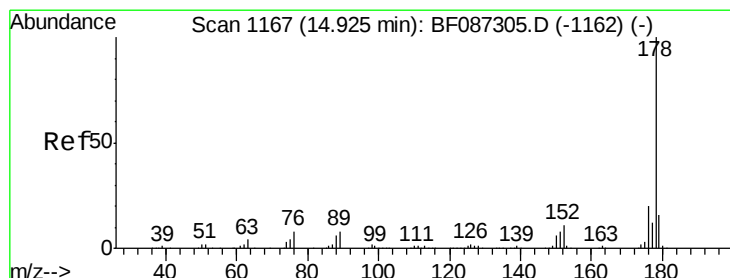
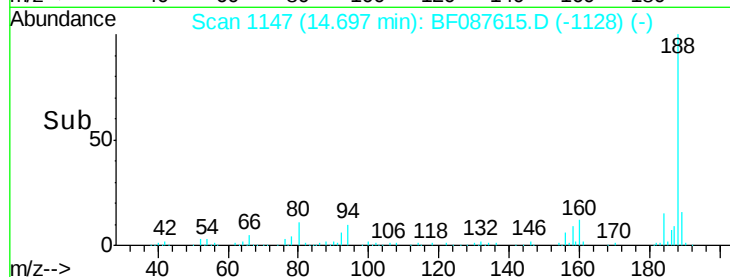
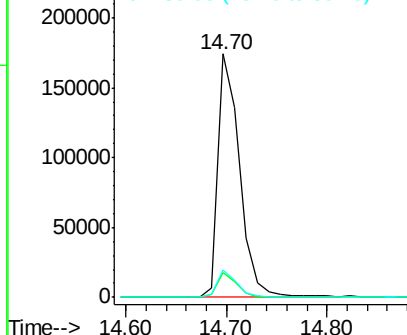
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	6.8	10.2
80	11.4	7.1	10.7

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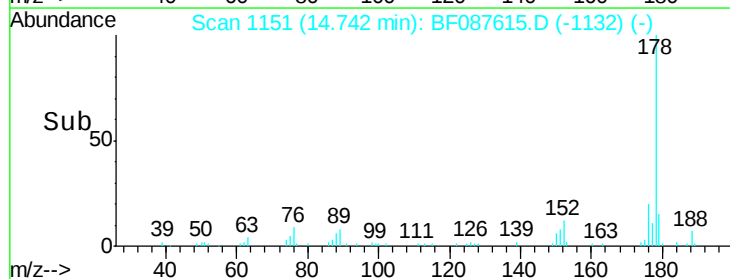
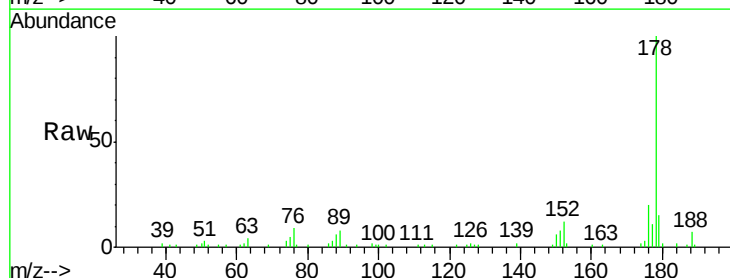
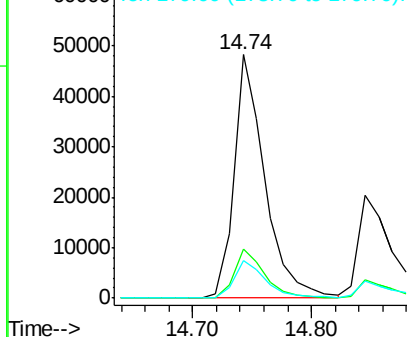
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

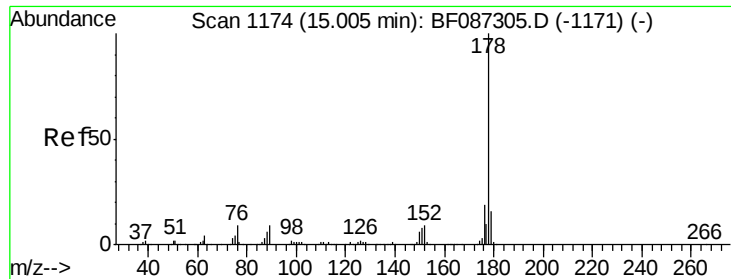


#70
Phenanthrene
Concen: 5.98 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.08 min
Lab File: BF087615.D
Acq: 1 Jun 2016 10:35

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	16.0	24.0
179	15.4	12.6	18.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





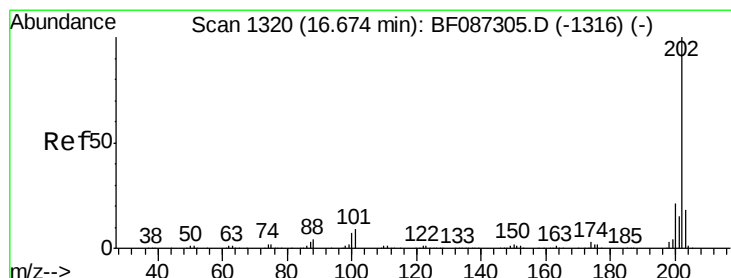
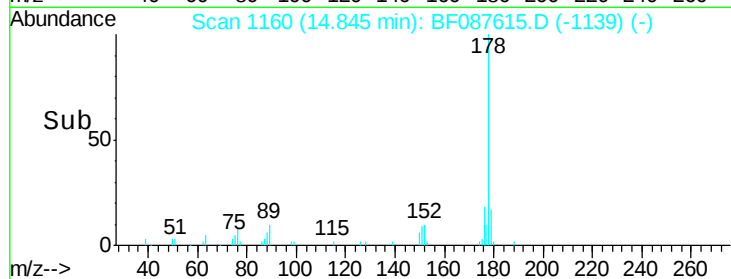
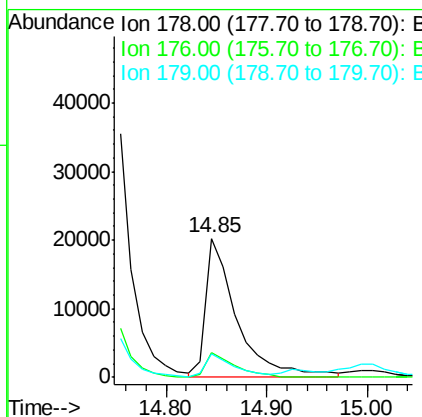
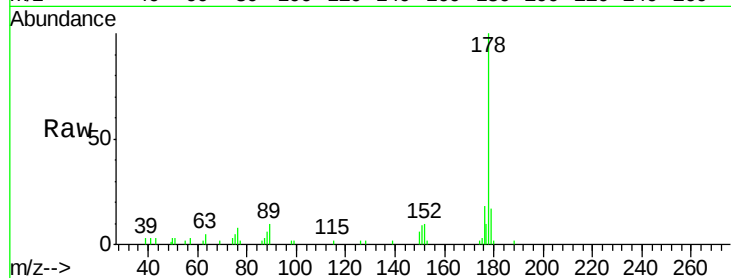
#71
 Anthracene
 Concen: 3.01 ng
 RT: 14.85 min Scan# 1160
 Delta R.T. -0.06 min
 Lab File: BF087615.D
 Acq: 1 Jun 2016 10:35

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1679(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.6	23.4
179	16.6	12.7	19.1

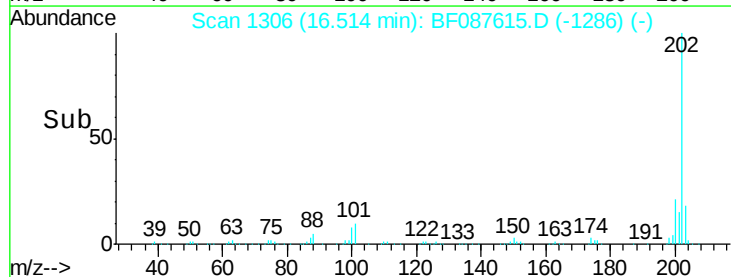
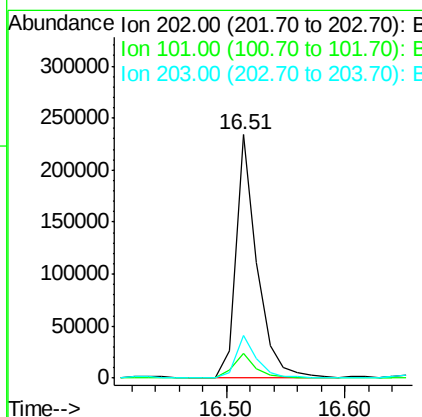
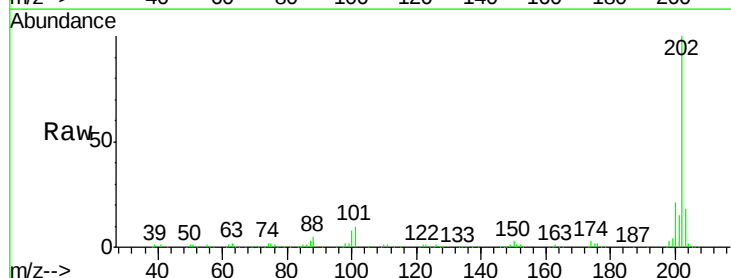
Manual Integrations
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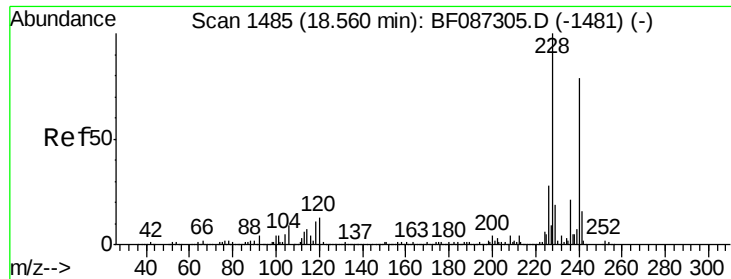
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#74
 Fluoranthene
 Concen: 20.05 ng
 RT: 16.51 min Scan# 1306
 Delta R.T. -0.07 min
 Lab File: BF087615.D
 Acq: 1 Jun 2016 10:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	35.4
203	17.6	0.0	38.1





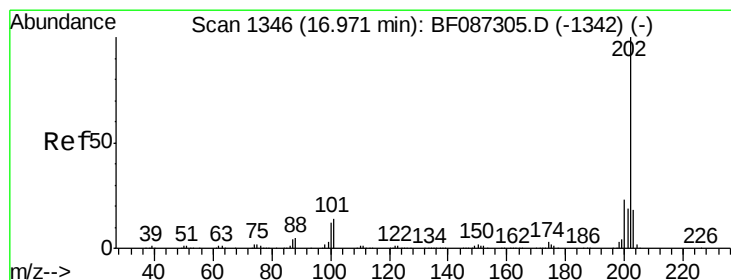
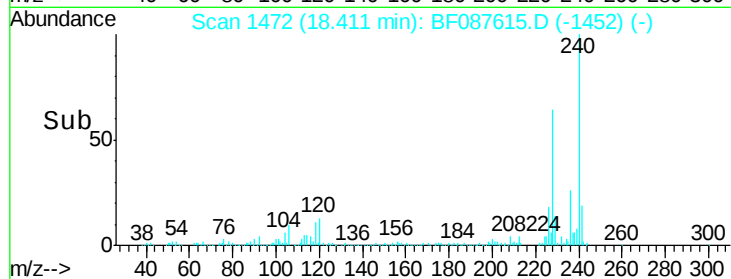
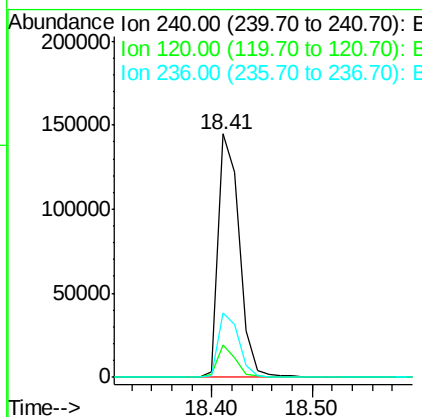
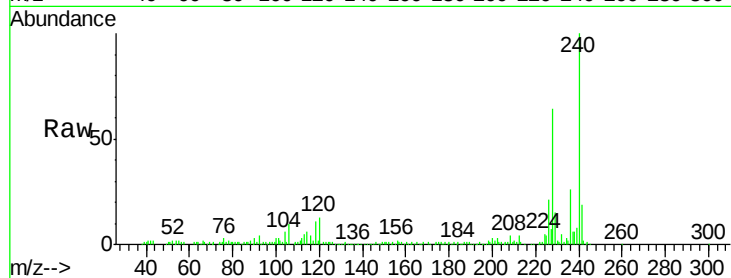
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.41 min Scan# 1472
Delta R.T. -0.07 min
Lab File: BF087615.D
Acq: 1 Jun 2016 10:35

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1679(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	210147		
120	13.2	11.2	16.8	
236	26.2	21.2	31.8	

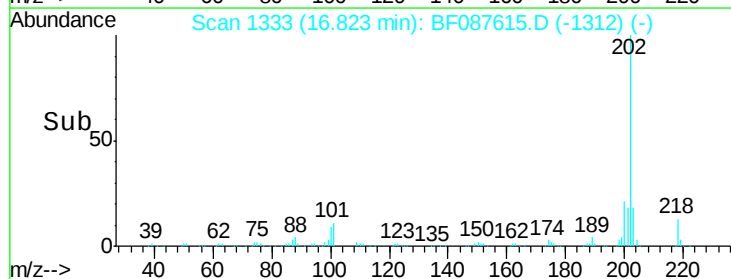
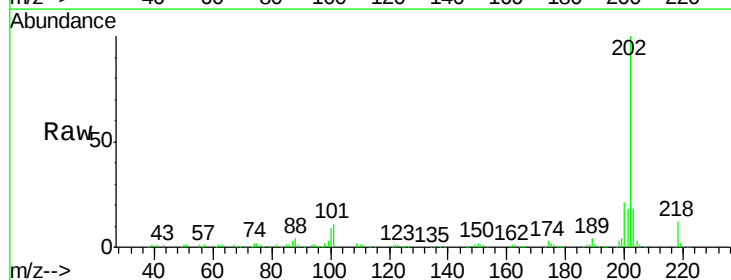
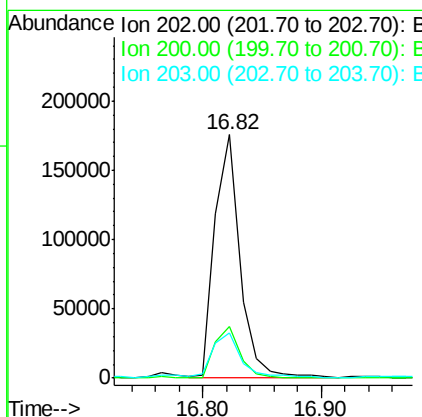
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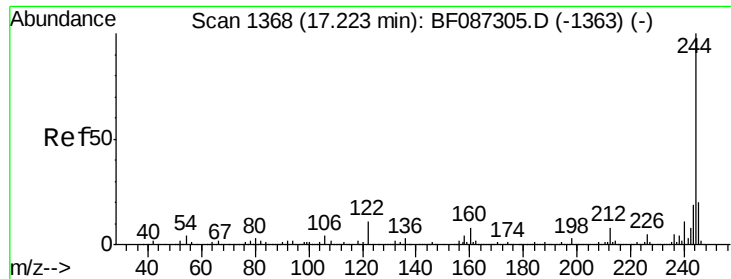
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#77
Pyrene
Concen: 16.88 ng
RT: 16.82 min Scan# 1333
Delta R.T. -0.06 min
Lab File: BF087615.D
Acq: 1 Jun 2016 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	255294		
200	21.4	17.7	26.5	
203	18.4	14.2	21.4	





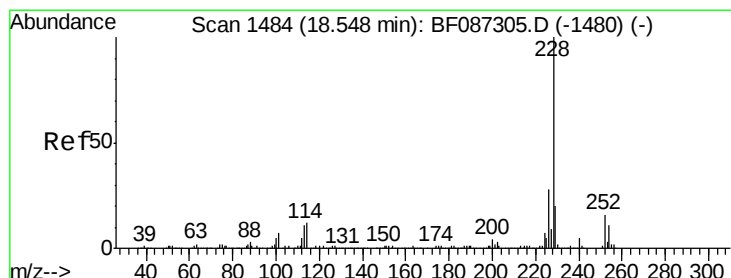
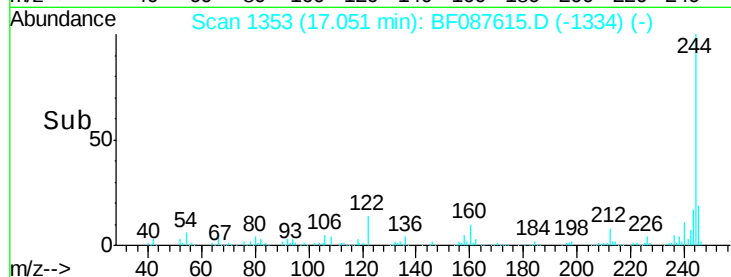
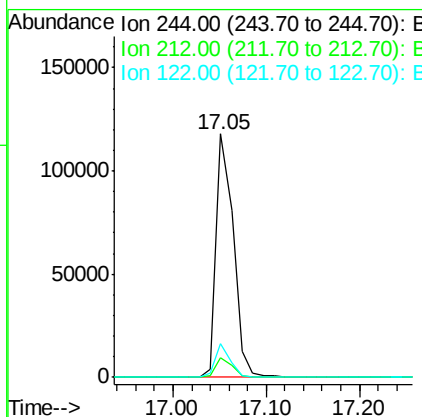
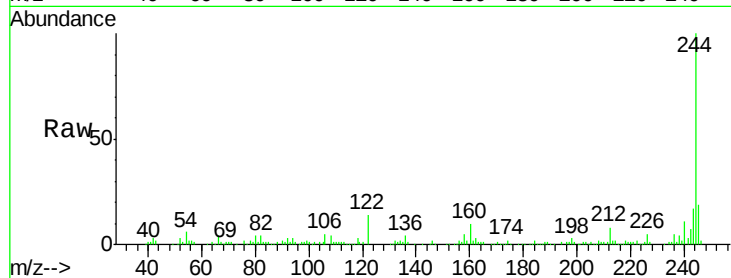
#78
 Terphenyl-d14
 Concen: 15.32 ng
 RT: 17.05 min Scan# 1353
 Delta R.T. -0.08 min
 Lab File: BF087615.D
 Acq: 1 Jun 2016 10:35

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1679(0-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	14.0	12.0	18.0

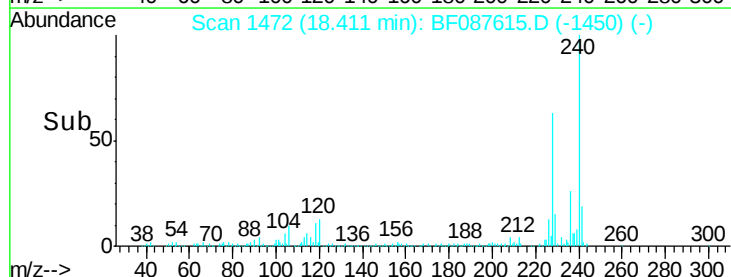
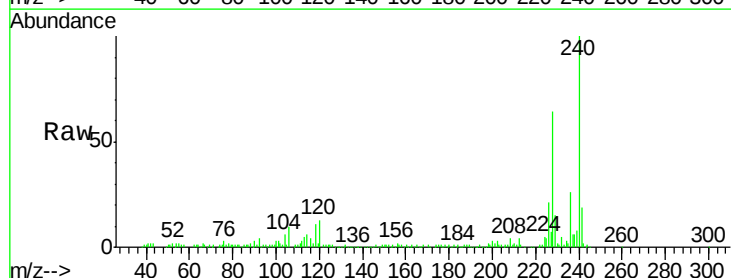
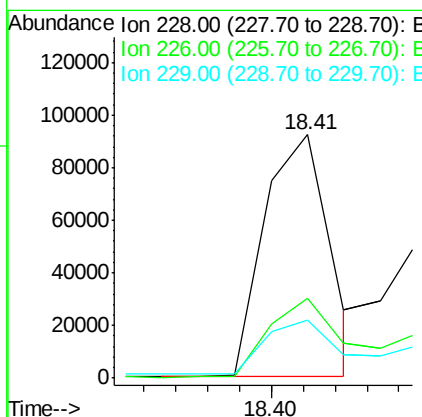
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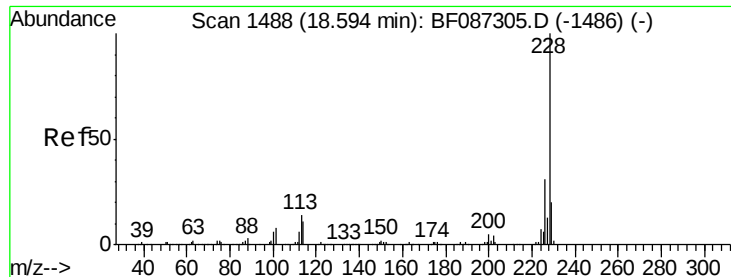
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#80
 Benzo(a)anthracene
 Concen: 11.01 ng m
 RT: 18.41 min Scan# 1472
 Delta R.T. -0.05 min
 Lab File: BF087615.D
 Acq: 1 Jun 2016 10:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.5	33.7
229	23.6	16.6	25.0





#82

Chrysene

Concen: 12.41 ng/mL

RT: 18.46 min Scan# 1476

Delta R.T. -0.06 min

Lab File: BF087615.D

Acq: 1 Jun 2016 10:35

Instrument :

BNA_F

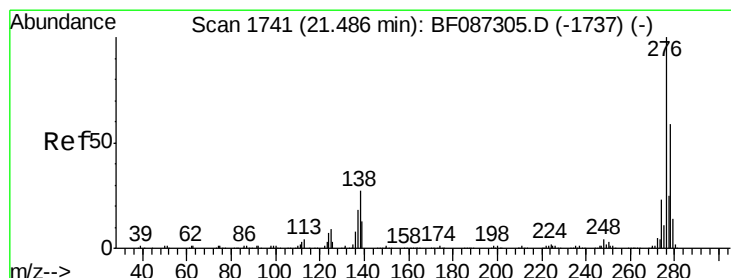
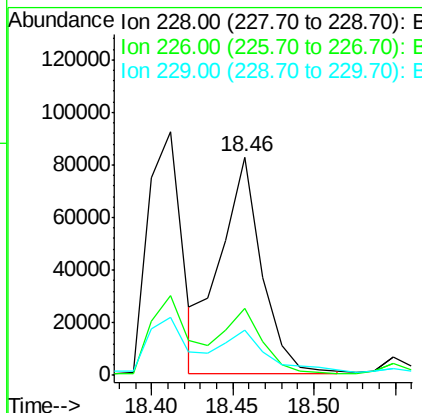
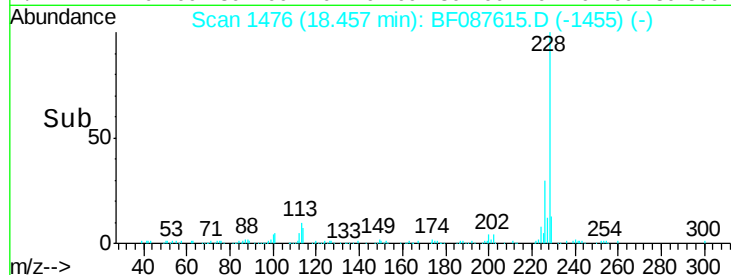
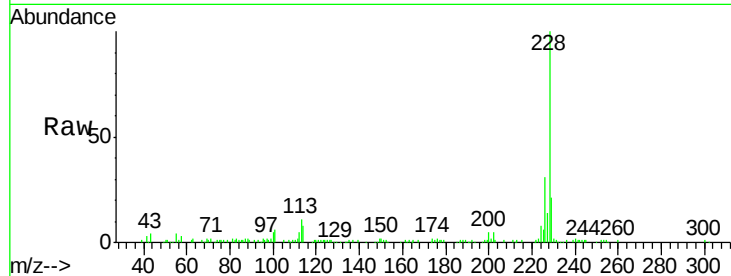
ClientSampleId :

CHS-STA-1679(0-4)

Tot Ion:	228	Resp:	147277
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.4	36.6
229	20.8	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.05 ng/mL

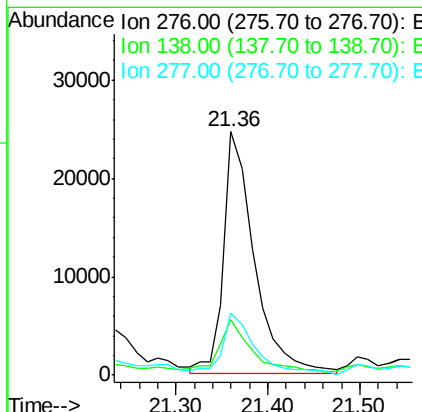
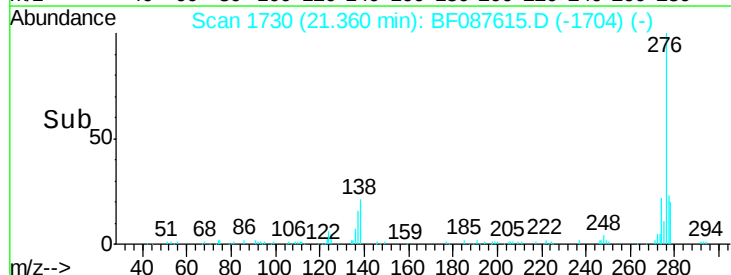
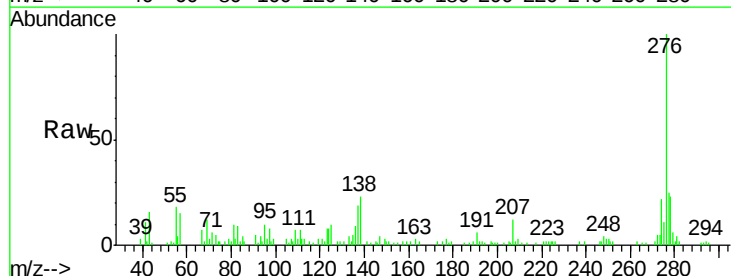
RT: 21.36 min Scan# 1730

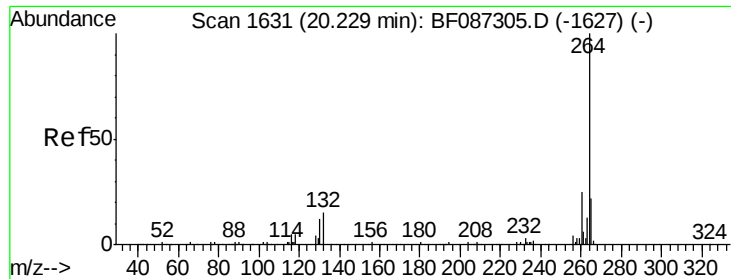
Delta R.T. 0.00 min

Lab File: BF087615.D

Acq: 1 Jun 2016 10:35

Tgt Ion:	276	Resp:	57572
Ion Ratio	Lower	Upper	
276	100		
138	2.8	25.6	38.4#
277	7.3	20.5	30.7#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.10 min Scan# 1620

Delta R.T. -0.03 min

Lab File: BF087615.D

Acq: 1 Jun 2016 10:35

Instrument :

BNA_F

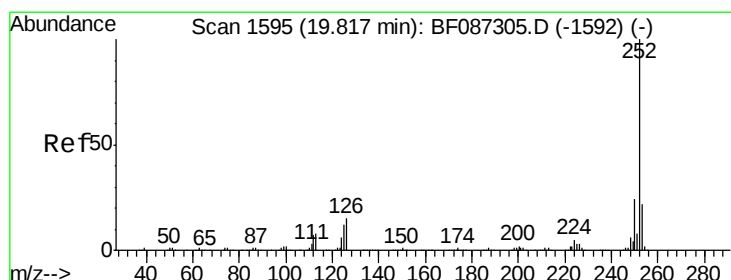
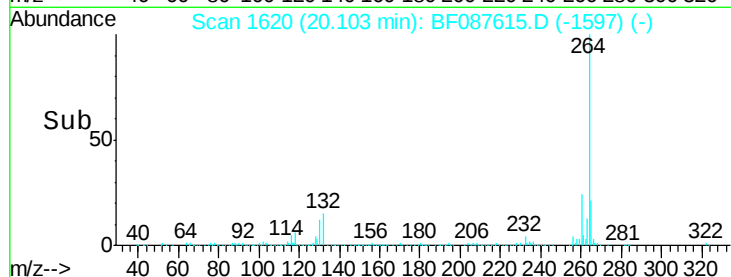
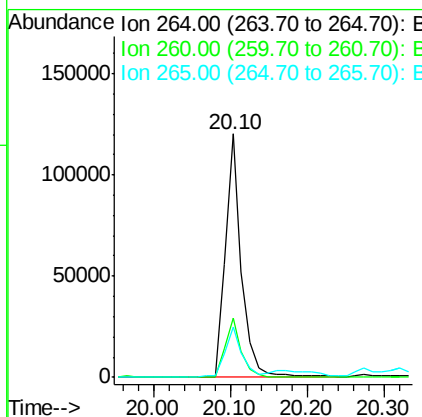
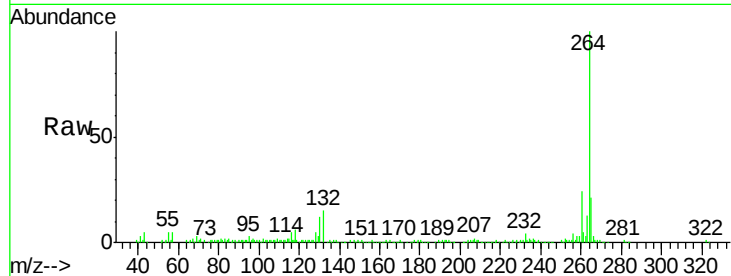
ClientSampleId :

CHS-STA-1679(0-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	20.6	17.3	25.9

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#87

Benzo(b)fluoranthene

Concen: 15.27 ng m

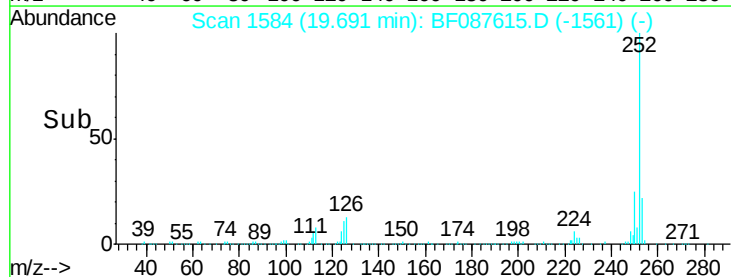
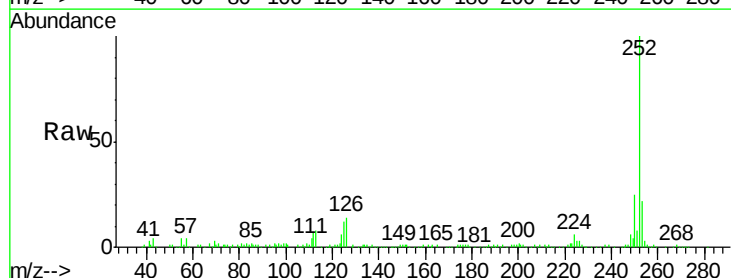
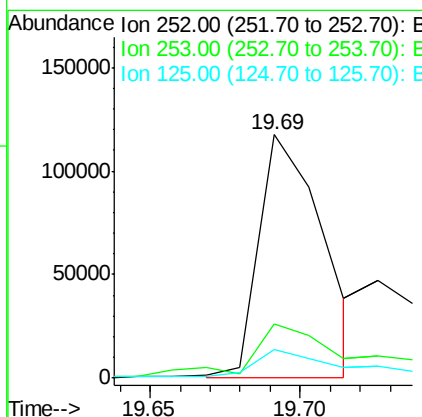
RT: 19.69 min Scan# 1584

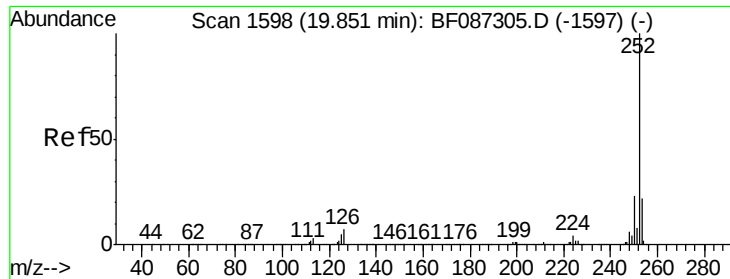
Delta R.T. -0.03 min

Lab File: BF087615.D

Acq: 1 Jun 2016 10:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	11.6	11.4	17.0





#88

Benzo(k)fluoranthene

Concen: 6.90 ng/mL

RT: 19.73 min Scan# 1587

Delta R.T. -0.03 min

Lab File: BF087615.D

Acq: 1 Jun 2016 10:35

Instrument :

BNA_F

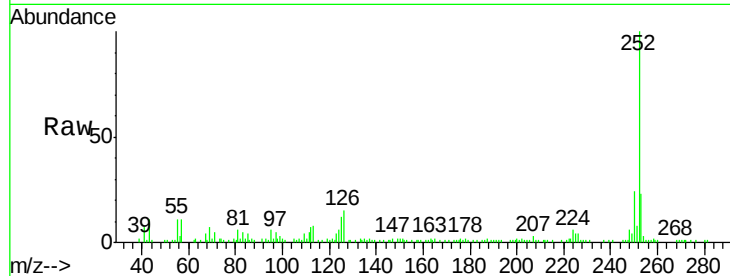
ClientSampleId :

CHS-STA-1679(0-4)

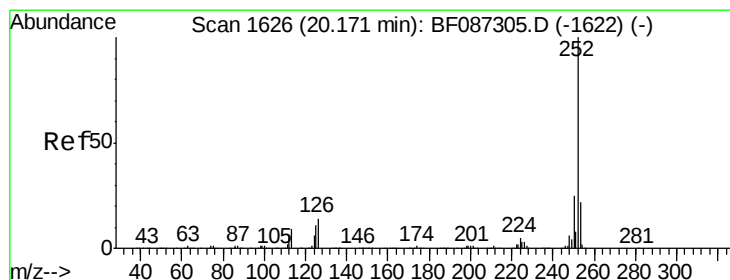
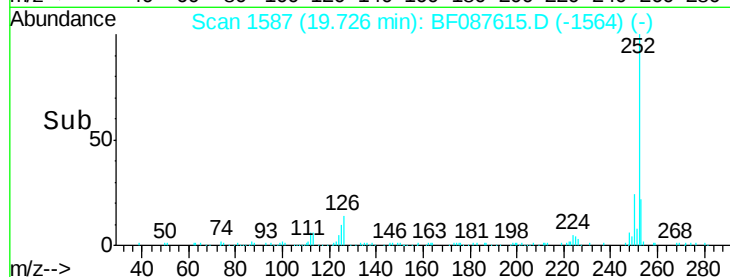
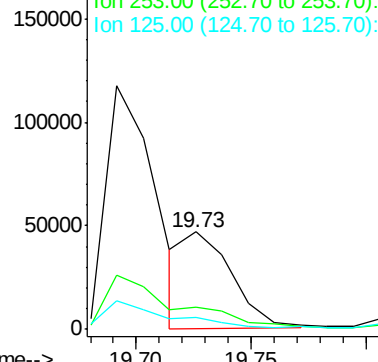
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.3	9.1	13.7

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 9.69 ng/mL

RT: 20.06 min Scan# 1616

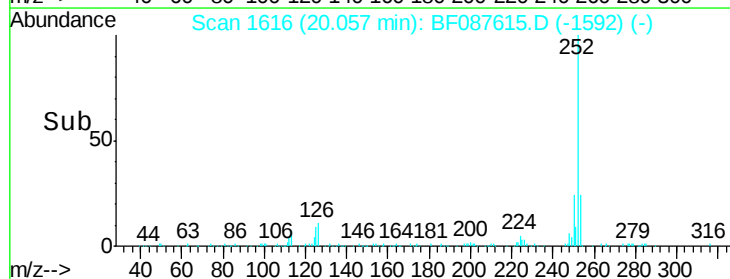
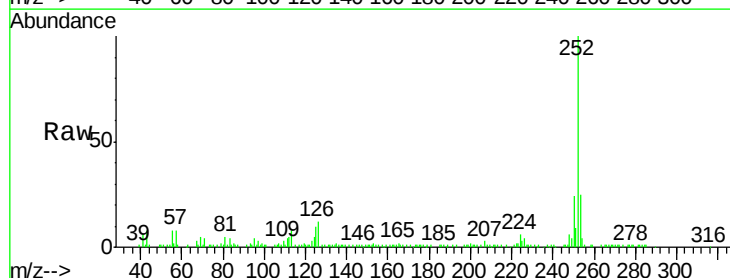
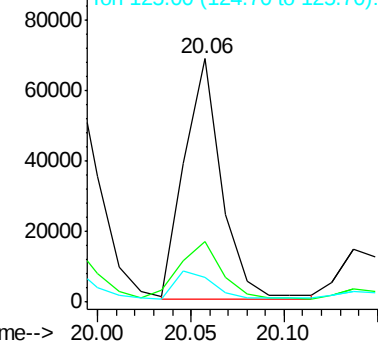
Delta R.T. -0.02 min

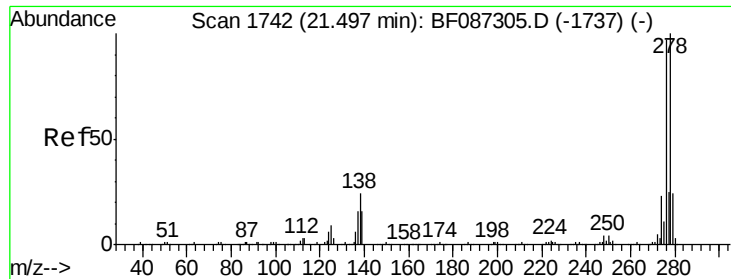
Lab File: BF087615.D

Acq: 1 Jun 2016 10:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	10.3	9.0	13.6

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





#90

Dibenzo(a,h)anthracene

Concen: 2.09 ng m

RT: 21.35 min Scan# 1729

Delta R.T. -0.01 min

Lab File: BF087615.D

Acq: 1 Jun 2016 10:35

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1679(0-4)

Tot Ion:278 Resp: 17565

Ion Ratio Lower Upper

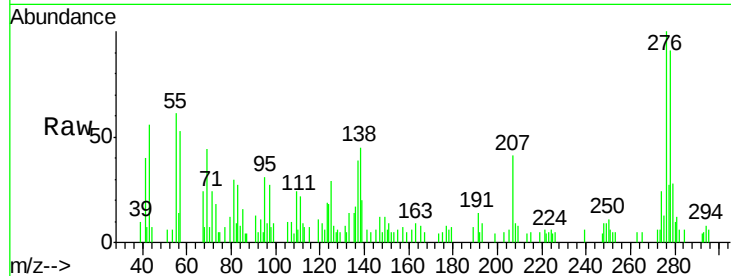
278 100

139 21.9 16.6 24.8

279 30.3 19.6 29.4#

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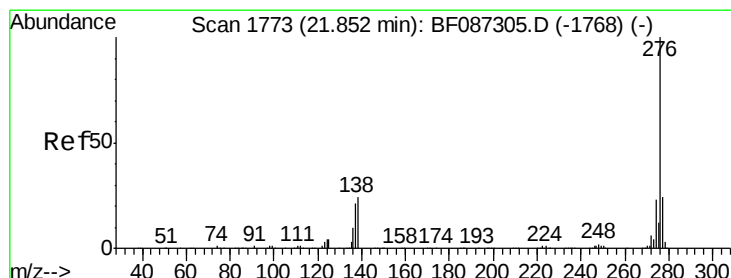
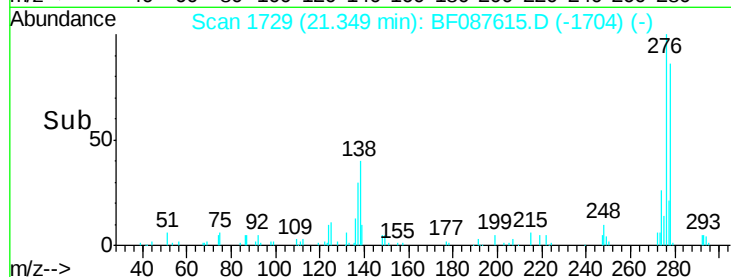
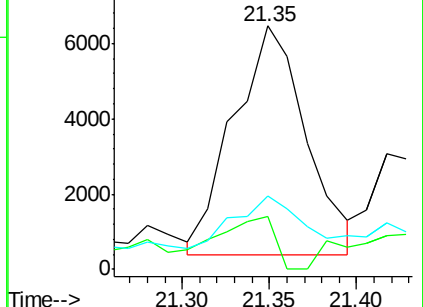
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Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.40 ng

RT: 21.71 min Scan# 1761

Delta R.T. 0.00 min

Lab File: BF087615.D

Acq: 1 Jun 2016 10:35

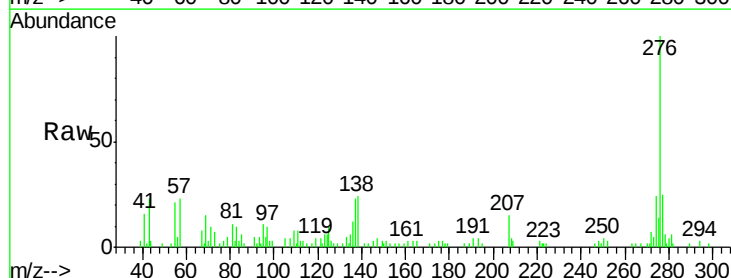
Tgt Ion:276 Resp: 44740

Ion Ratio Lower Upper

276 100

277 24.6 19.6 29.4

138 24.3 23.6 35.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

