

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
 Data File : BF087468.D
 Acq On : 28 May 2016 5:29
 Operator : UM/SJ
 Sample : H3190-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1699(0-4)

Manual Integrations
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Quant Time: May 28 05:58:29 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	7.48	152	102045	20.00	ng	-0.03
21) Naphthalene-d8	9.52	136	403868	20.00	ng	-0.03
38) Acenaphthene-d10	12.35	164	166958	20.00	ng	-0.03
63) Phenanthrene-d10	14.77	188	256188	20.00	ng	-0.01
75) Chrysene-d12	18.46	240	225204	20.00	ng	-0.02
86) Perylene-d12	20.13	264	183665	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	701002	120.71	ng	-0.03
7) Phenol-d6	7.04	99	955136	121.72	ng	-0.03
23) Nitrobenzene-d5	8.40	82	611673	76.33	ng	-0.05
41) 2,4,6-Tribromophenol	13.66	330	175277	109.25	ng	-0.02
44) 2-Fluorobiphenyl	11.30	172	926784	78.26	ng	-0.03
78) Terphenyl-d14	17.11	244	734360	69.33	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.55	128	65689	3.25	ng	99
37) 2-Methylnaphthalene	10.68	142	45272	3.58	ng	# 94
48) Acenaphthylene	12.13	152	222973	13.10	ng	# 92
49) Dimethylphthalate	12.00	163	170490	12.75	ng	# 96
54) Dibenzofuran	12.70	168	33656	2.38	ng	# 68
70) Phenanthrene	14.80	178	714392	50.34	ng	99
71) Anthracene	14.88	178	311521m	21.73	ng	
72) Carbazole	15.18	167	70122	5.74	ng	# 77
74) Fluoranthene	16.57	202	2245420	157.80	ng	97
77) Pyrene	16.87	202	2005184	123.70	ng	# 93
80) Benzo(a)anthracene	18.45	228	1248615	97.47	ng	96
82) Chrysene	18.49	228	906177	71.28	ng	97
85) Indeno(1,2,3-cd)pyrene	21.34	276	290000	28.46	ng	# 86
87) Benzo(b)fluoranthene	19.73	252	1107848m	94.69	ng	
88) Benzo(k)fluoranthene	19.75	252	356908m	35.44	ng	
89) Benzo(a)pyrene	20.07	252	540791	53.45	ng	98
90) Dibenzo(a,h)anthracene	21.35	278	85655	9.92	ng	96
91) Benzo(g,h,i)perylene	21.69	276	217936	25.59	ng	94

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

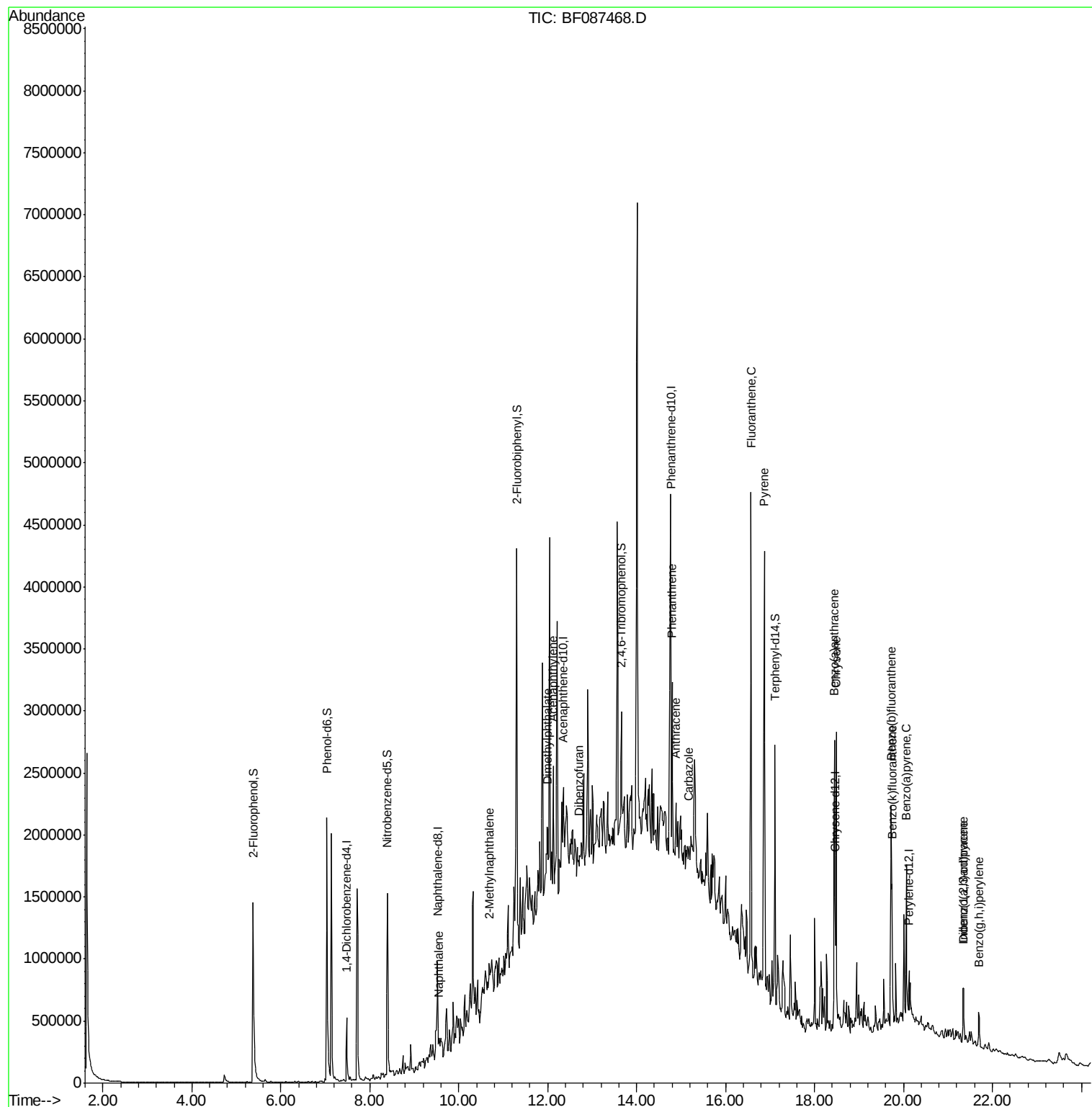
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
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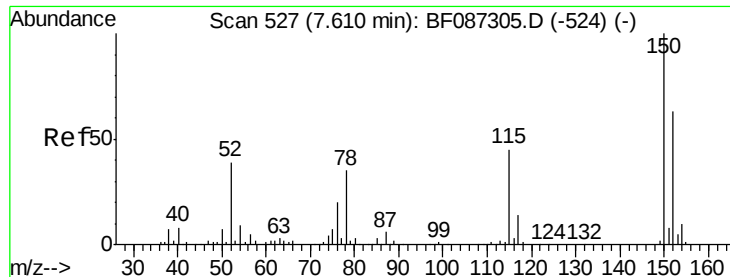
Instrument :
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ClientSampleId :
CHS-STA-1699(0-4)

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Quant Time: May 28 05:58:29 2016
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QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.48 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1699(0-4)

Tot Ion:152 Resp: 102045

Ion Ratio Lower Upper

152 100

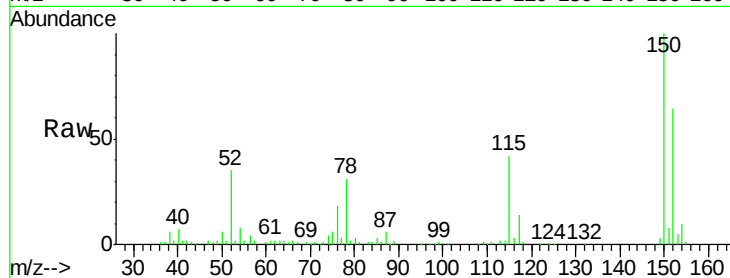
150 156.3 125.8 188.6

115 65.9 51.5 77.3

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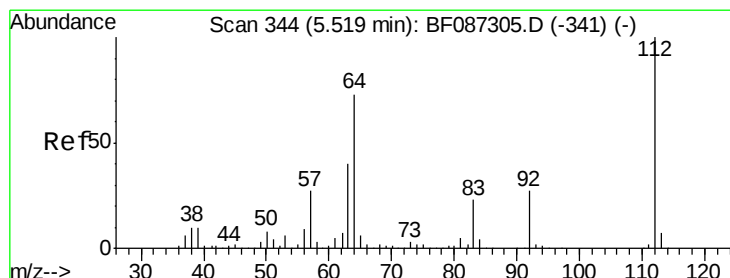
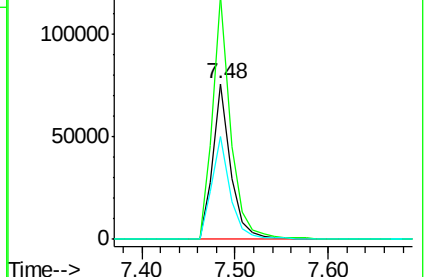
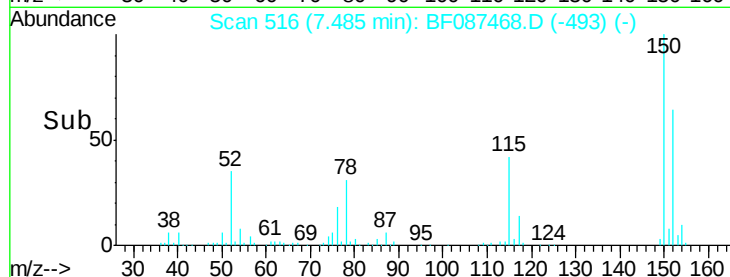
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 120.71 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.03 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

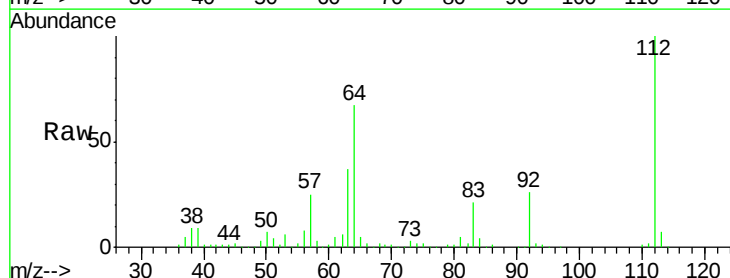
Tgt Ion:112 Resp: 701002

Ion Ratio Lower Upper

112 100

64 67.2 52.1 78.1

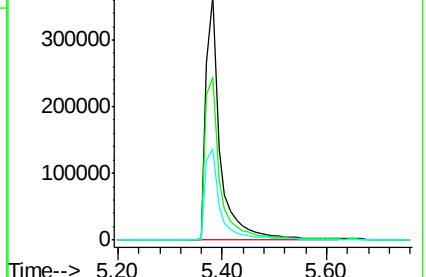
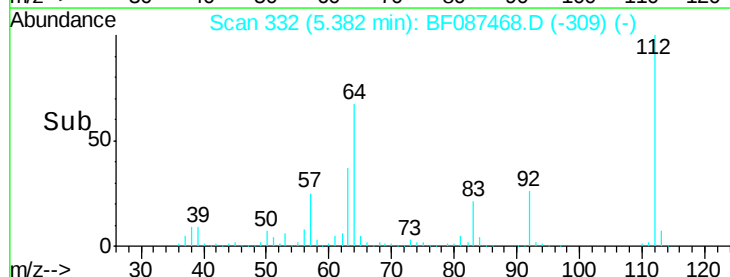
63 37.4 25.7 38.5

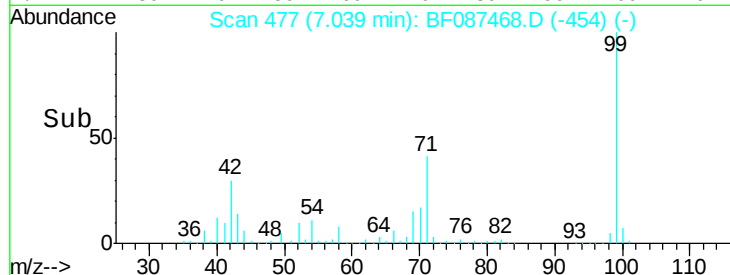
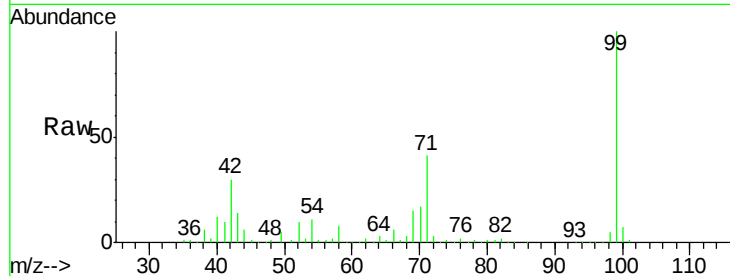
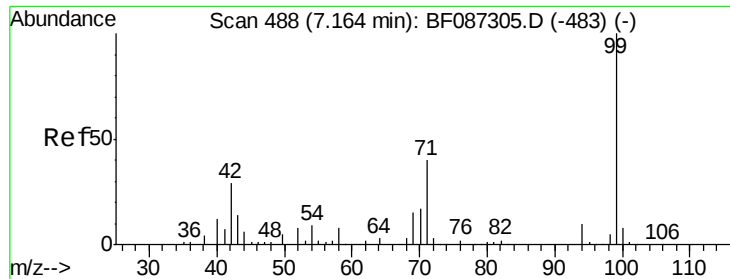


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.72 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.03 min

Lab File: BF087468.D

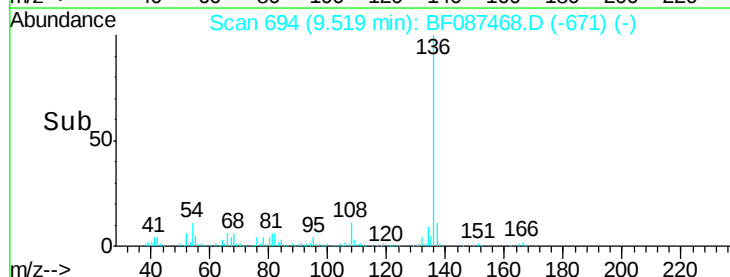
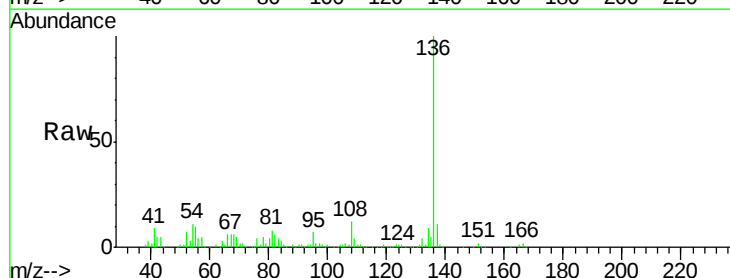
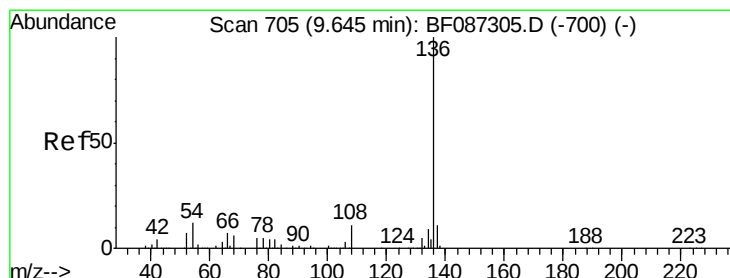
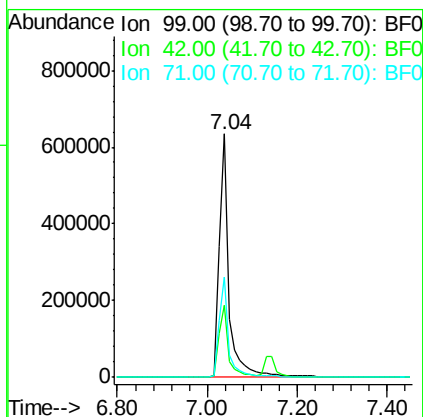
Acq: 28 May 2016 5:29

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		955136		
42	29.8	13.6	20.4#		
71	41.1	24.6	36.8#		

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1699(0-4)

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#21

Naphthalene-d8

Concen: 20.00 ng

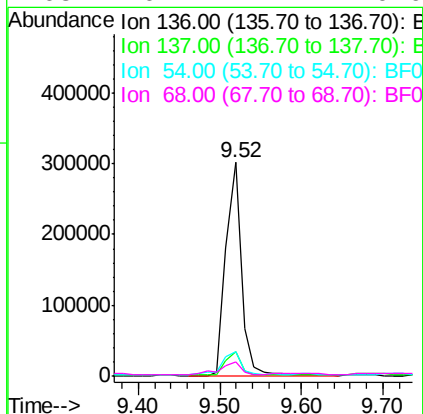
RT: 9.52 min Scan# 694

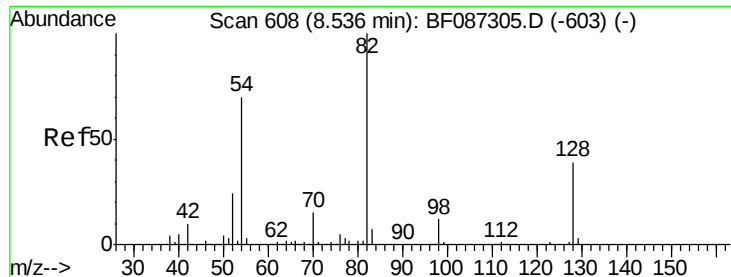
Delta R.T. -0.03 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		403868		
137	11.2	8.8	13.2		
54	11.2	5.0	7.4#		
68	6.4	4.4	6.6		





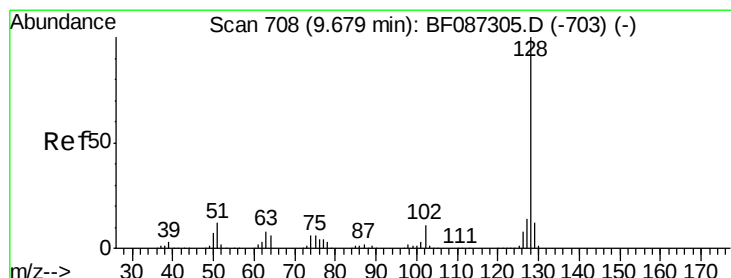
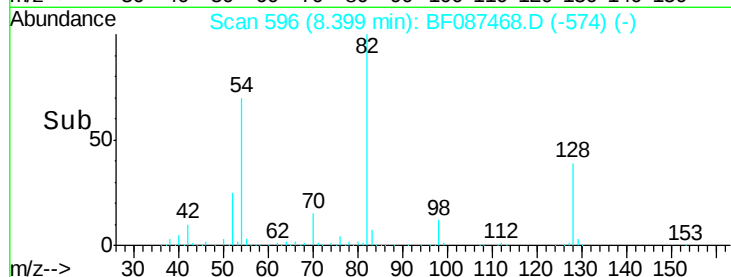
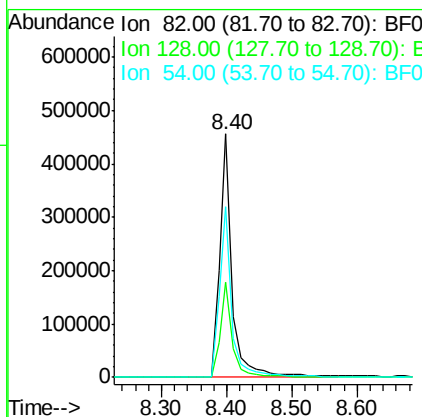
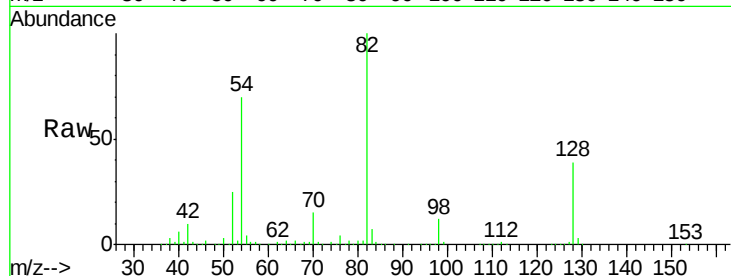
#23
 Nitrobenzene-d5
 Concen: 76.33 ng
 RT: 8.40 min Scan# 596
 Delta R.T. -0.05 min
 Lab File: BF087468.D
 Acq: 28 May 2016 5:29

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1699(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	611673		
128	38.9	40.6	61.0#	
54	70.0	38.1	57.1#	

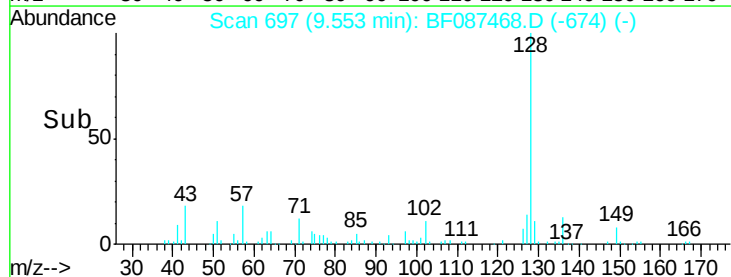
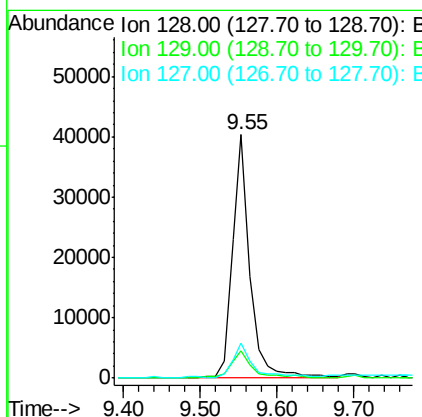
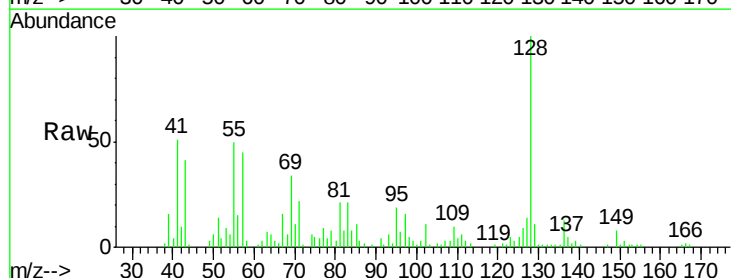
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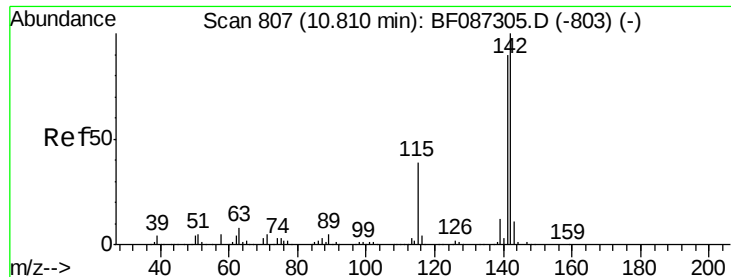
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#31
 Naphthalene
 Concen: 3.25 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.03 min
 Lab File: BF087468.D
 Acq: 28 May 2016 5:29

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	65689		
129	11.0	8.6	13.0	
127	14.2	10.8	16.2	





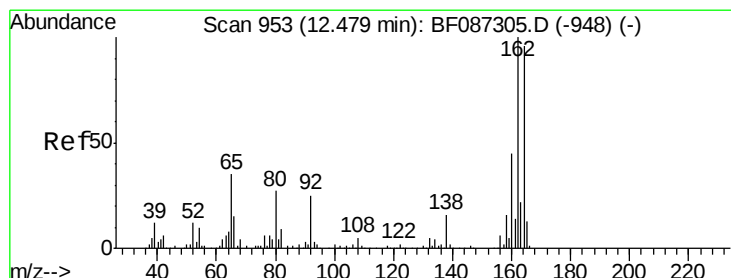
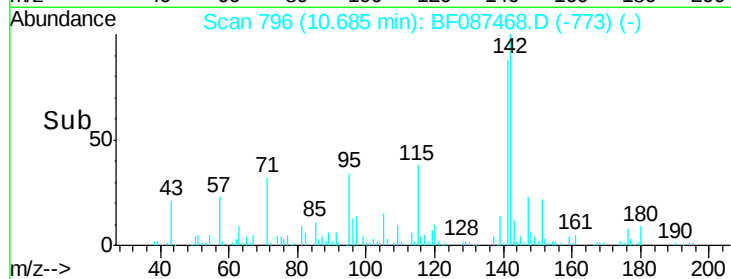
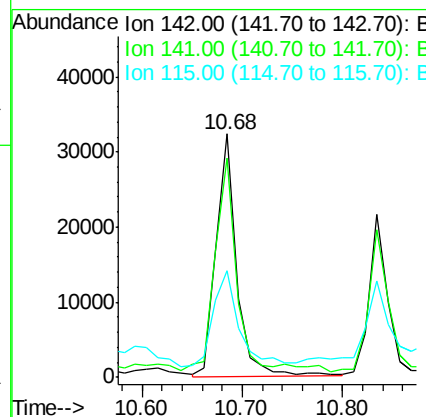
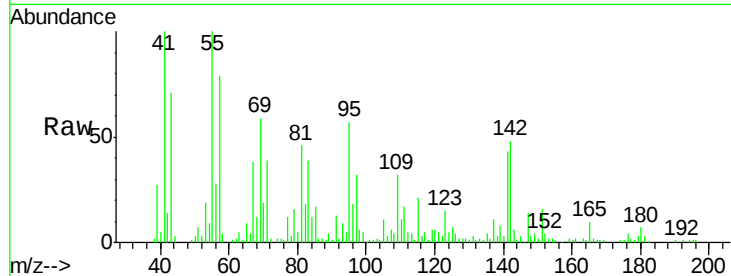
#37
2-Methylnaphthalene
Concen: 3.58 ng
RT: 10.68 min Scan# 796
Delta R.T. -0.03 min
Lab File: BF087468.D
Acq: 28 May 2016 5:29

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1699(0-4)

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.0	106.6
115	44.0	26.6	39.8

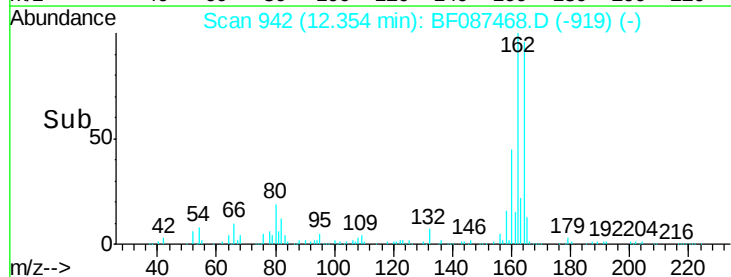
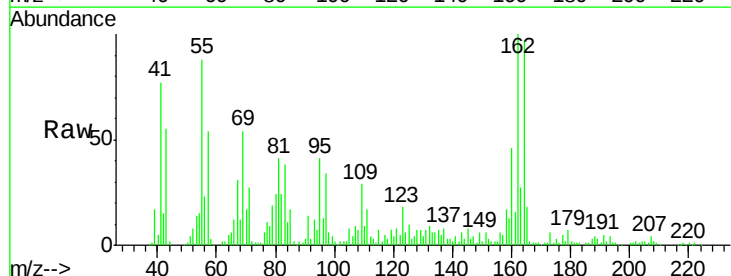
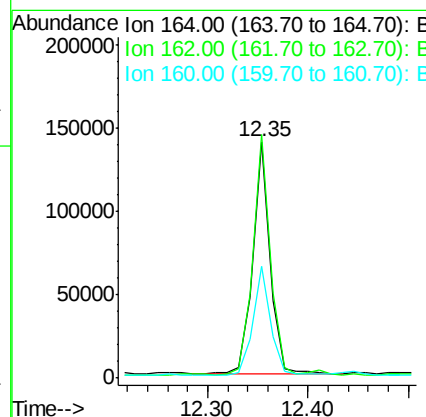
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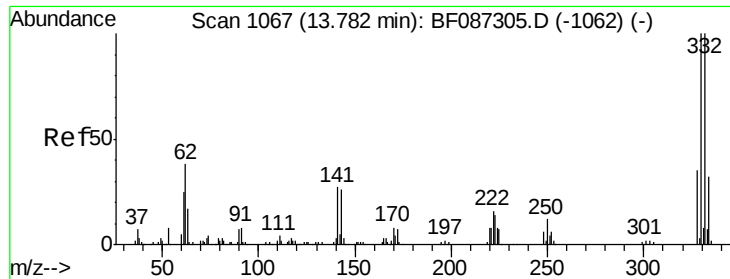
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.35 min Scan# 942
Delta R.T. -0.03 min
Lab File: BF087468.D
Acq: 28 May 2016 5:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.8	124.2
160	47.5	36.9	55.3





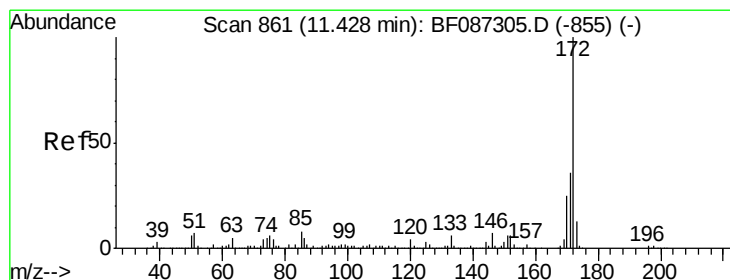
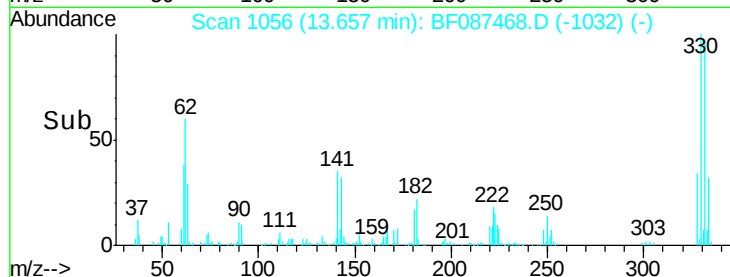
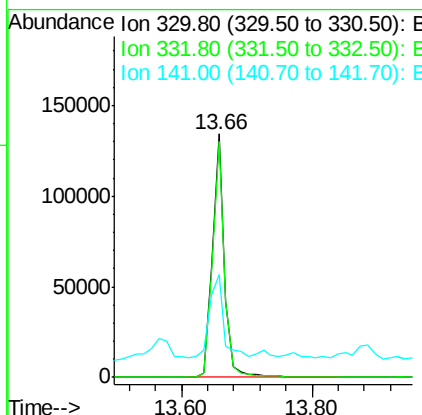
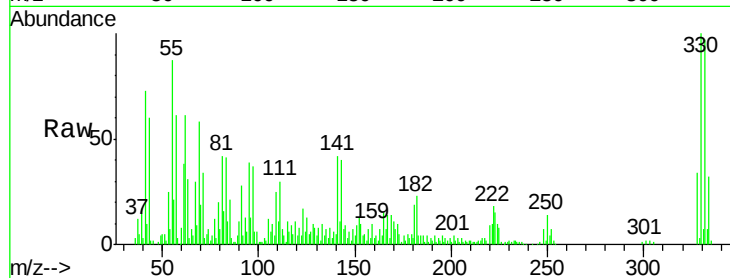
#41
 2,4,6-Tribromophenol
 Concen: 109.25 ng
 RT: 13.66 min Scan# 1056
 Delta R.T. -0.02 min
 Lab File: BF087468.D
 Acq: 28 May 2016 5:29

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1699(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	175277		
332	96.5	79.0	118.4	
141	39.4	31.2	46.8	

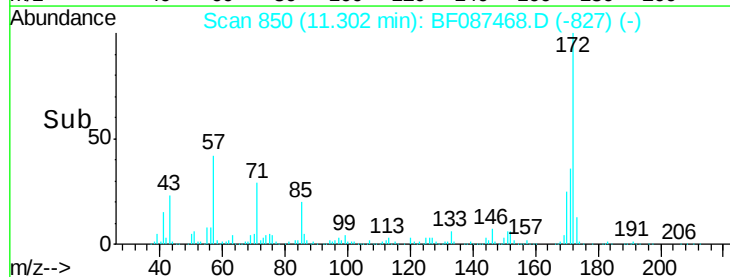
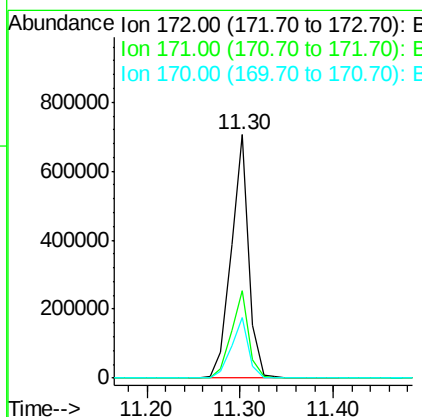
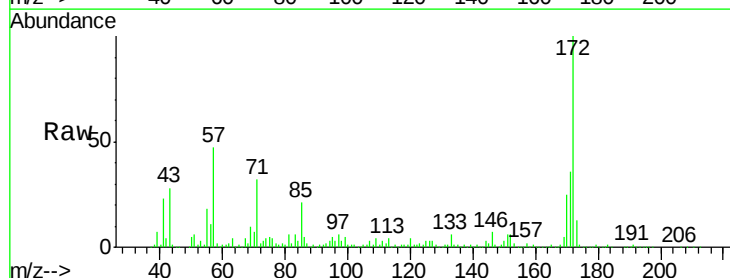
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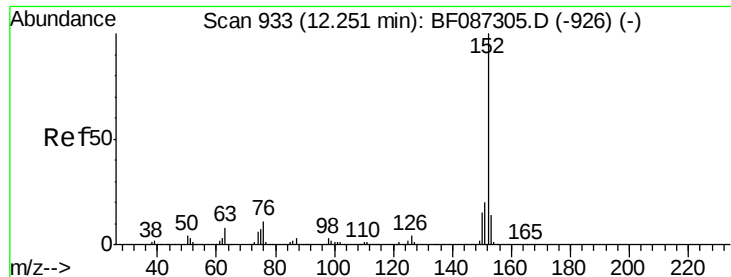
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#44
 2-Fluorobiphenyl
 Concen: 78.26 ng
 RT: 11.30 min Scan# 850
 Delta R.T. -0.03 min
 Lab File: BF087468.D
 Acq: 28 May 2016 5:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	926784		
171	36.1	29.0	43.6	
170	24.7	19.8	29.8	





#48

Acenaphthylene

Concen: 13.10 ng

RT: 12.13 min Scan# 922

Delta R.T. -0.03 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

Instrument :

BNA_F

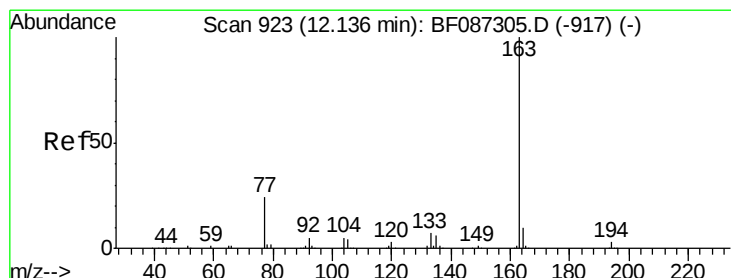
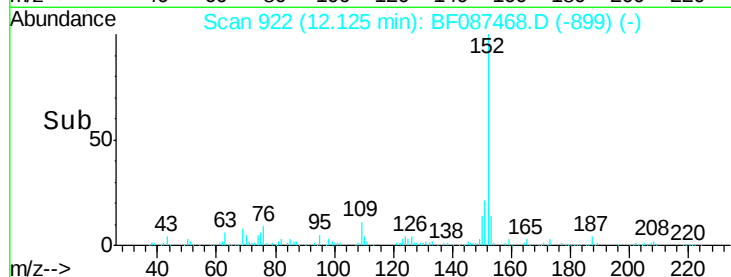
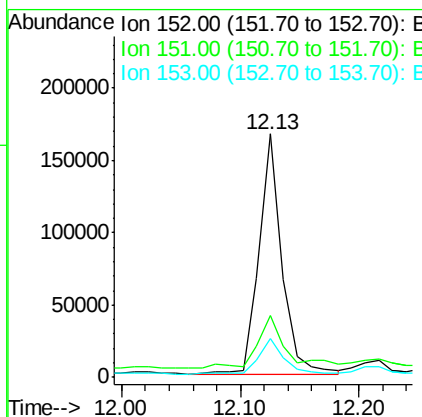
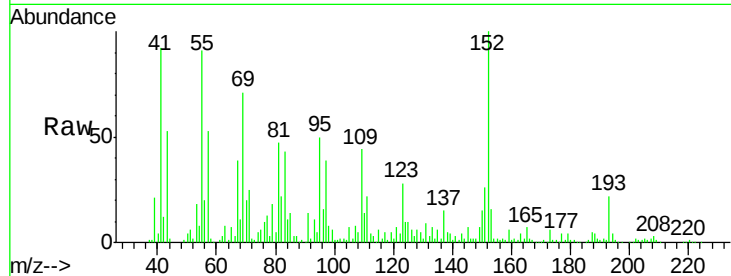
ClientSampleId :

CHS-STA-1699(0-4)

Tot Ion:	152	Resp:	222973
Ion Ratio	Lower	Upper	
152	100		
151	25.6	16.8	25.2#
153	15.8	10.9	16.3

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#49

Dimethylphthalate

Concen: 12.75 ng

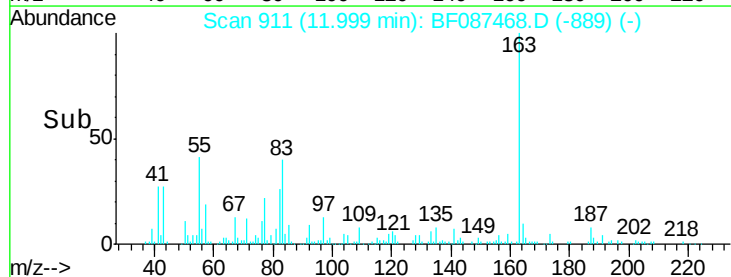
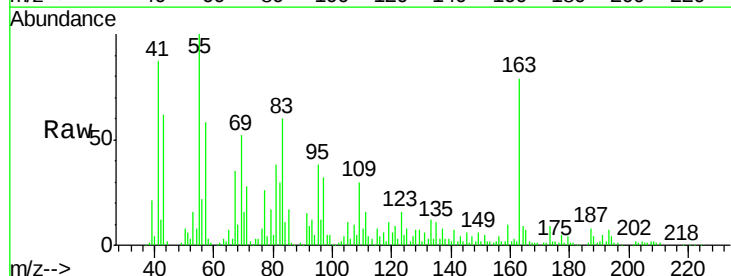
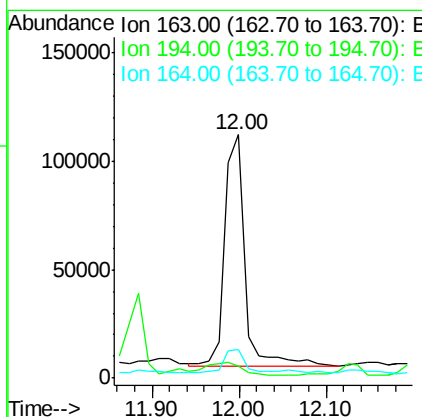
RT: 12.00 min Scan# 911

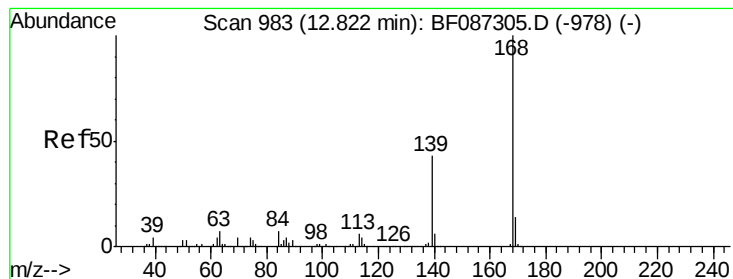
Delta R.T. -0.05 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

Tgt Ion:	163	Resp:	170490
Ion Ratio	Lower	Upper	
163	100		
194	4.8	2.6	4.0#
164	11.9	8.2	12.4





#54

Dibenzofuran

Concen: 2.38 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.02 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

Instrument :

BNA_F

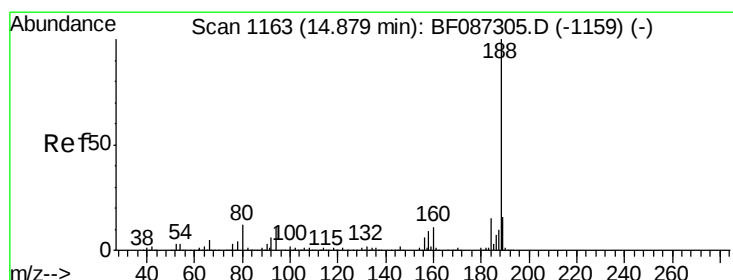
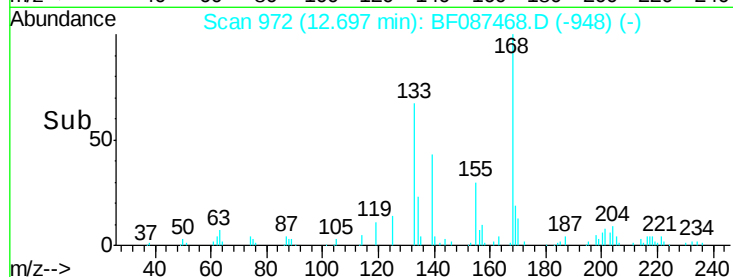
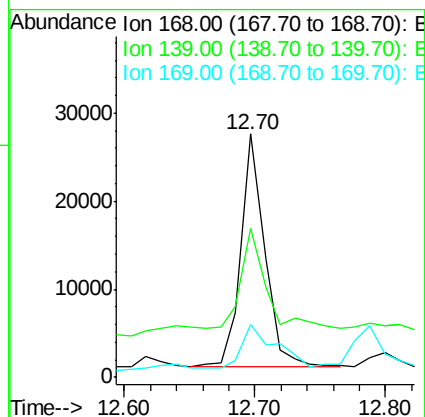
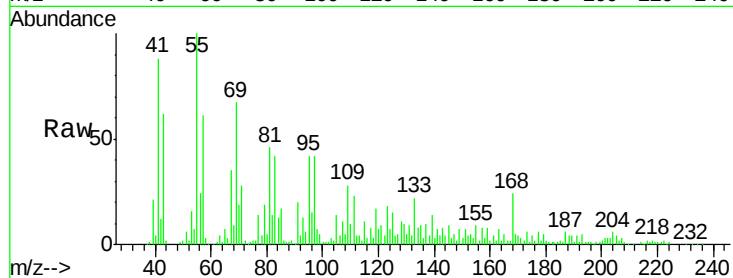
ClientSampleId :

CHS-STA-1699(0-4)

Tot Ion:	168	Resp:	33656
Ion Ratio	Lower	Upper	
168	100		
139	61.2	31.4	47.0#
169	21.9	10.7	16.1#

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#63

Phenanthrene-d10

Concen: 20.00 ng

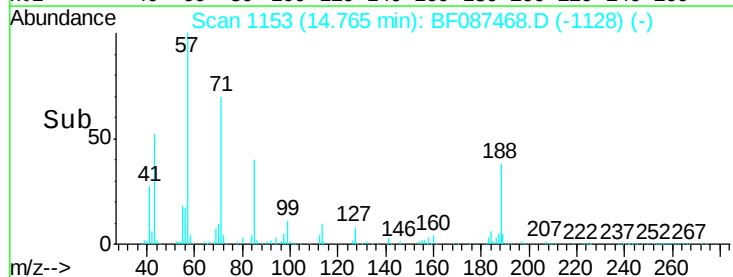
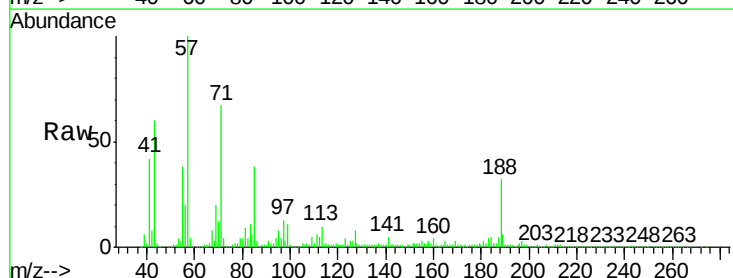
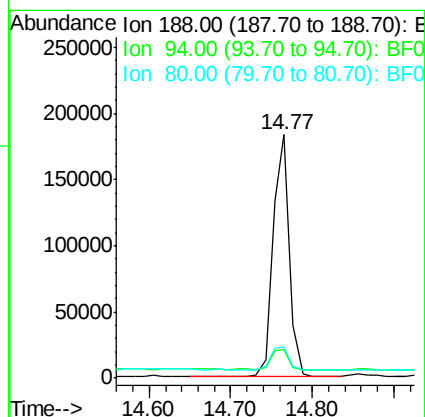
RT: 14.77 min Scan# 1153

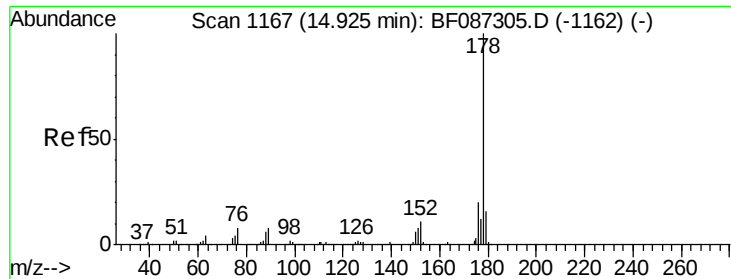
Delta R.T. -0.01 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

Tgt Ion:	188	Resp:	256188
Ion Ratio	Lower	Upper	
188	100		
94	11.6	6.8	10.2#
80	12.6	7.1	10.7#





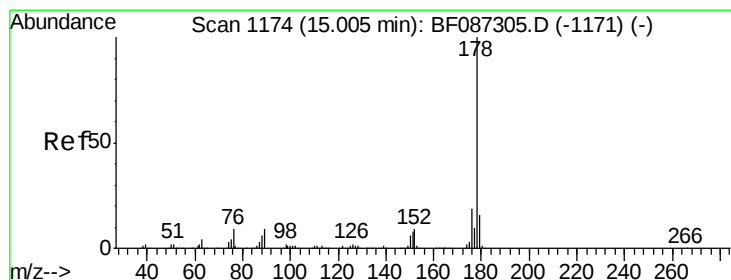
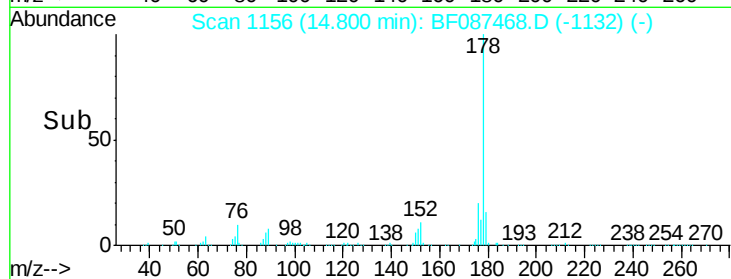
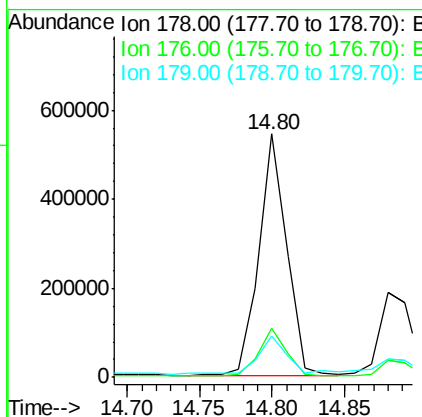
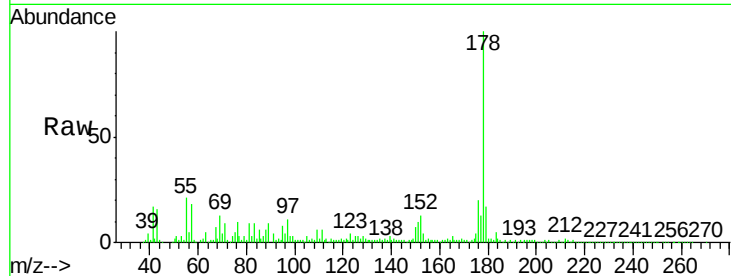
#70
Phenanthrene
Concen: 50.34 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.02 min
Lab File: BF087468.D
Acq: 28 May 2016 5:29

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1699(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.0	24.0
179	17.0	12.6	18.8

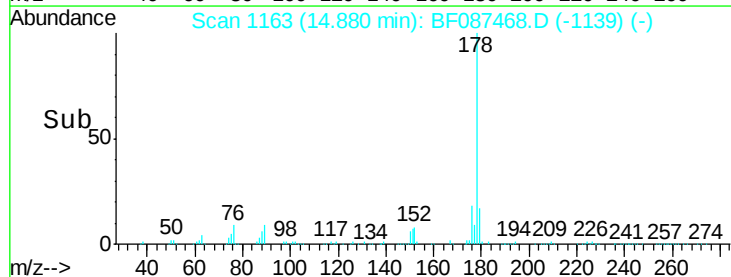
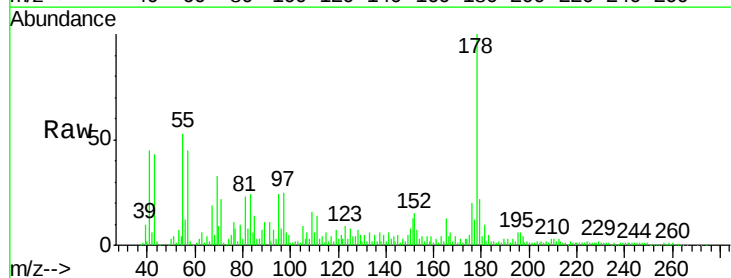
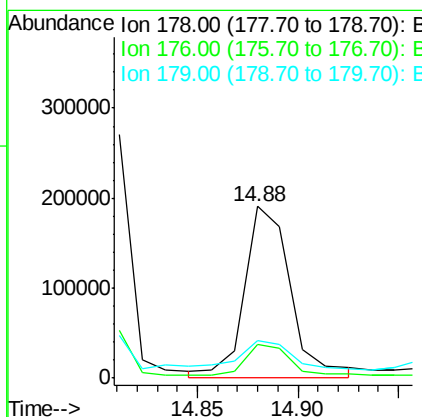
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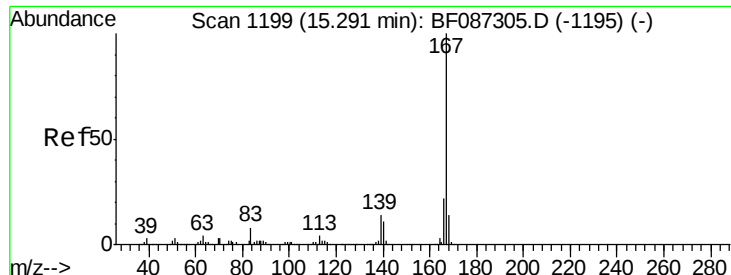
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#71
Anthracene
Concen: 21.73 ng m
RT: 14.88 min Scan# 1163
Delta R.T. -0.02 min
Lab File: BF087468.D
Acq: 28 May 2016 5:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	22.1	12.7	19.1#





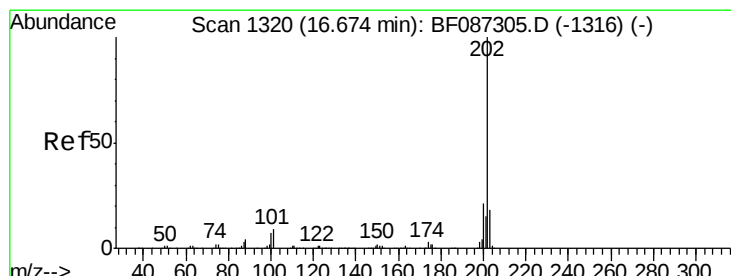
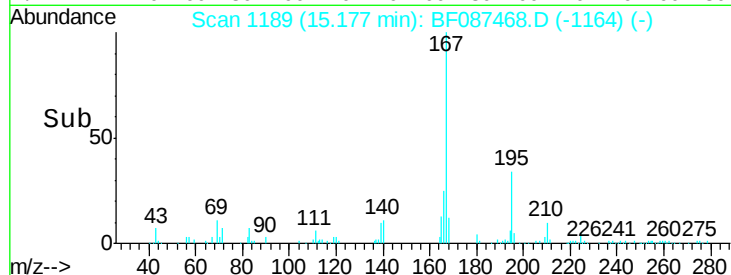
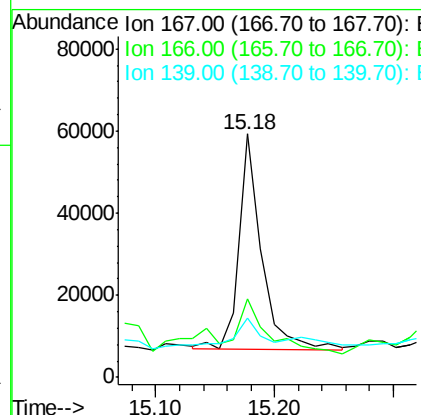
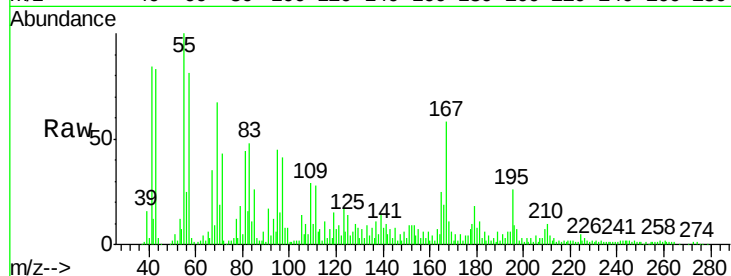
#72
 Carbazole
 Concen: 5.74 ng
 RT: 15.18 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF087468.D
 Acq: 28 May 2016 5:29

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1699(0-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	32.1		17.7	26.5#	
139	24.2		10.8	16.2#	

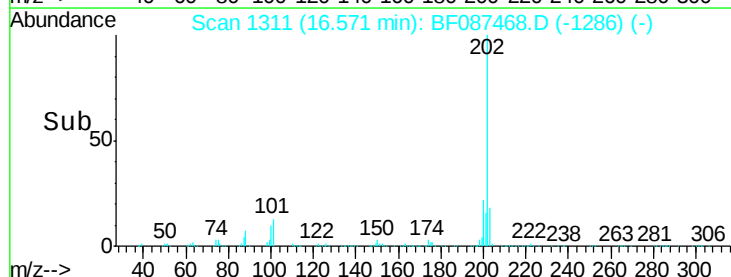
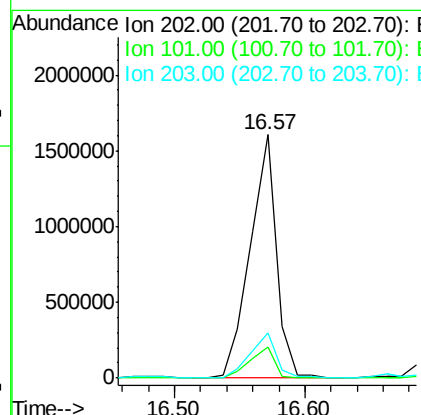
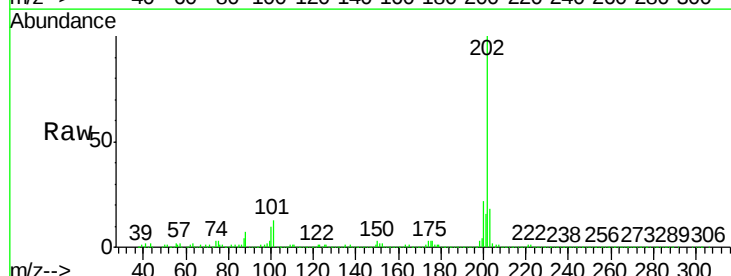
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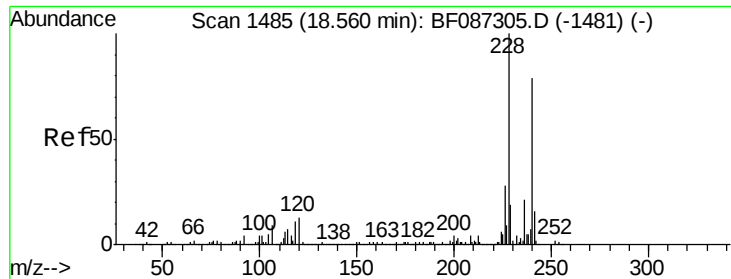
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#74
 Fluoranthene
 Concen: 157.80 ng
 RT: 16.57 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF087468.D
 Acq: 28 May 2016 5:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	13.0		0.0	35.4	
203	18.4		0.0	38.1	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.46 min Scan# 1476

Delta R.T. -0.02 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

Instrument :

BNA_F

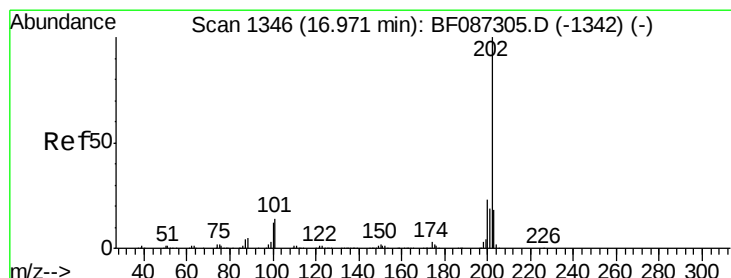
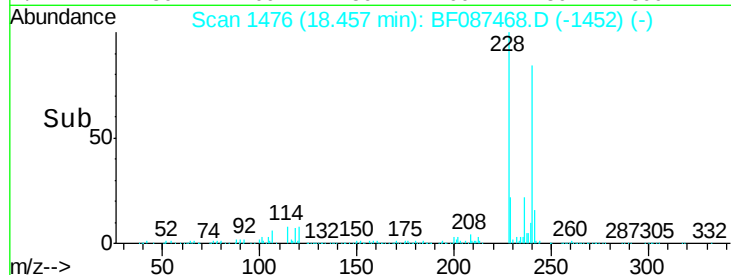
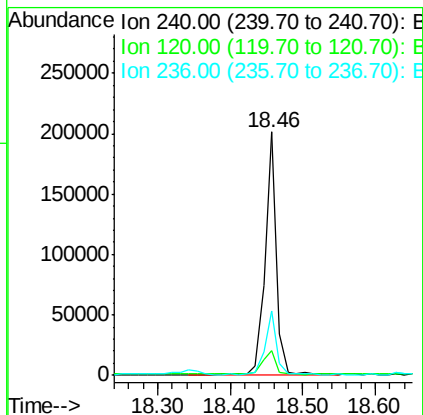
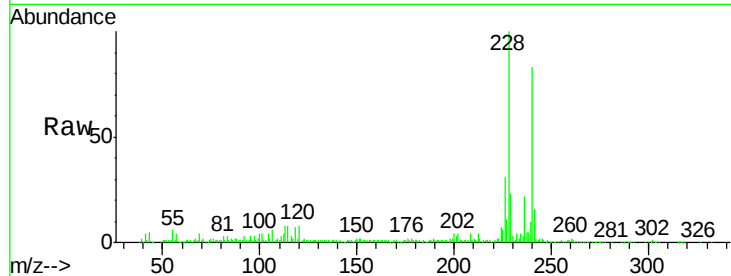
ClientSampleId :

CHS-STA-1699(0-4)

Tot Ion:	240	Resp:	225204
Ion Ratio	Lower	Upper	
240	100		
120	10.1	11.2	16.8#
236	26.3	21.2	31.8

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#77

Pyrene

Concen: 123.70 ng

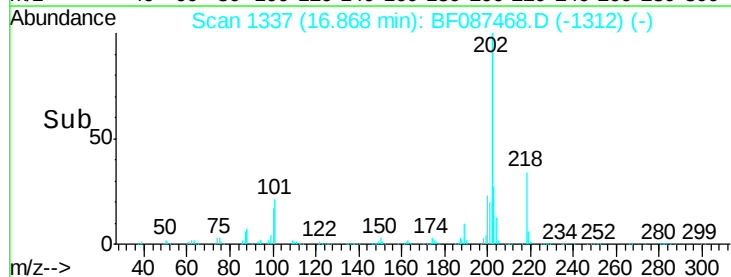
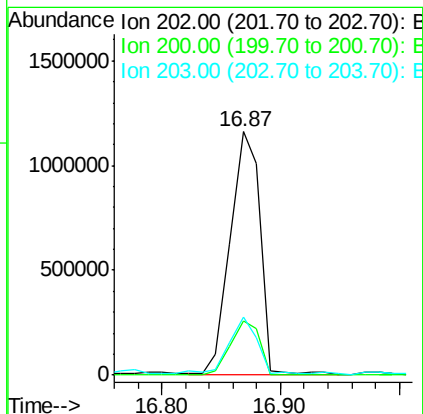
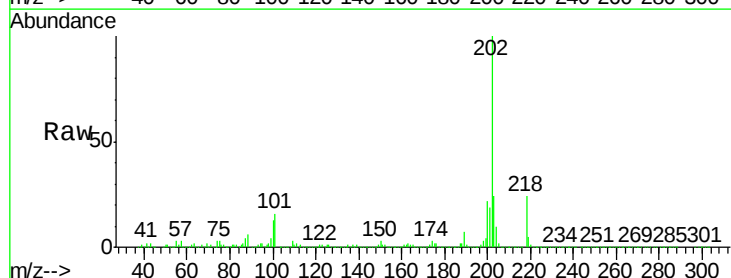
RT: 16.87 min Scan# 1337

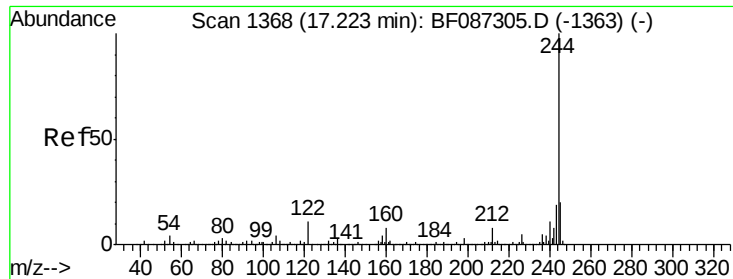
Delta R.T. -0.01 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

Tgt Ion:	202	Resp:	2005184
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.7	26.5
203	24.1	14.2	21.4#





#78

Terphenyl-d14

Concen: 69.33 ng

RT: 17.11 min Scan# 1358

Delta R.T. -0.02 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

Instrument :

BNA_F

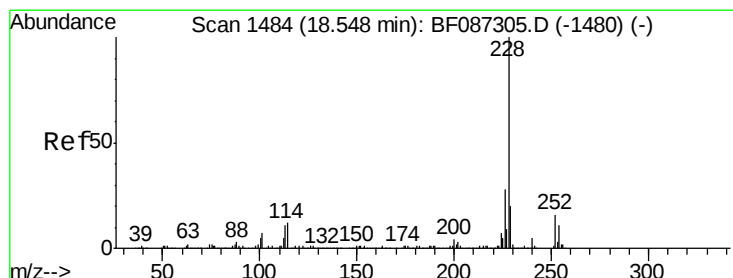
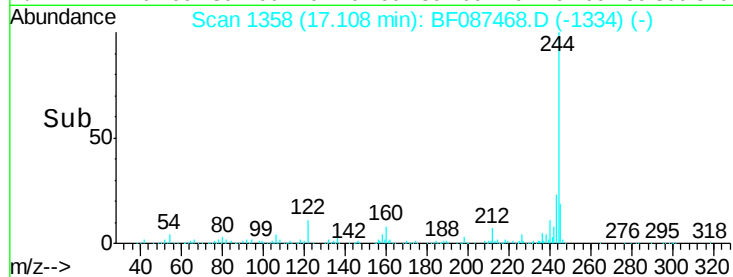
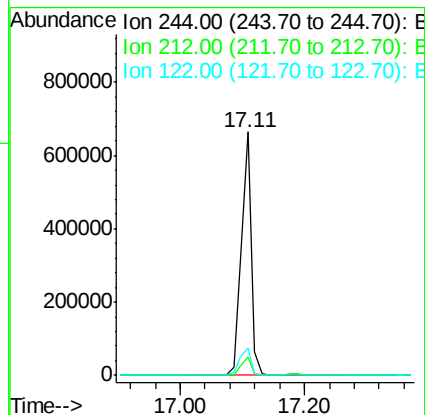
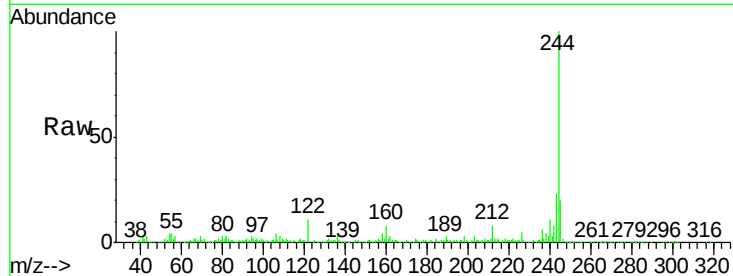
ClientSampleId :

CHS-STA-1699(0-4)

Tot Ion:	244	Resp:	734360
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	11.3	12.0	18.0#

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#80

Benzo(a)anthracene

Concen: 97.47 ng

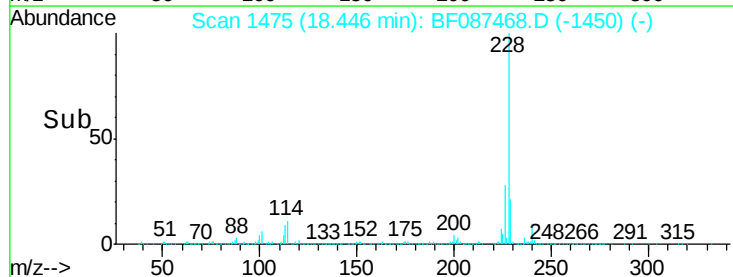
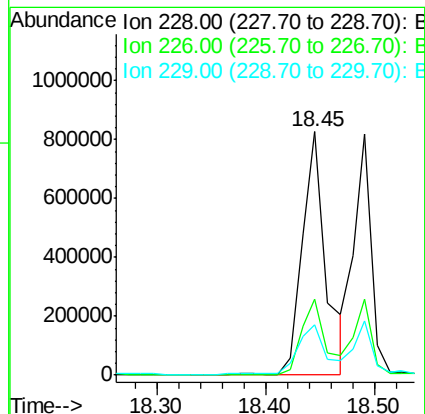
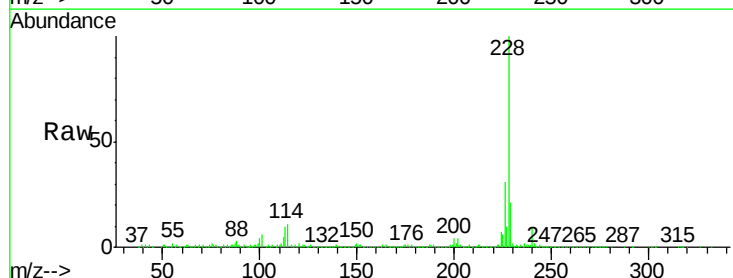
RT: 18.45 min Scan# 1475

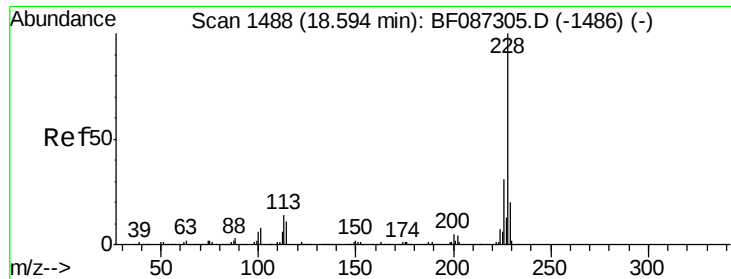
Delta R.T. -0.01 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

Tgt Ion:	228	Resp:	1248615
Ion Ratio	Lower	Upper	
228	100		
226	31.2	22.5	33.7
229	20.9	16.6	25.0





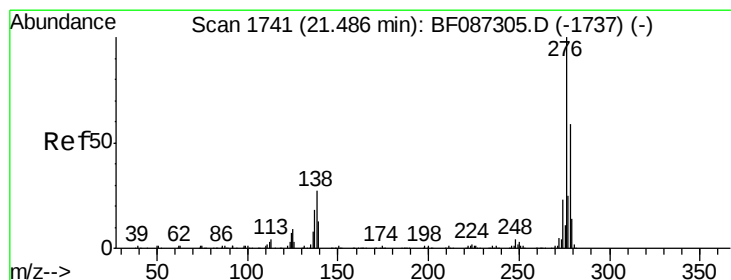
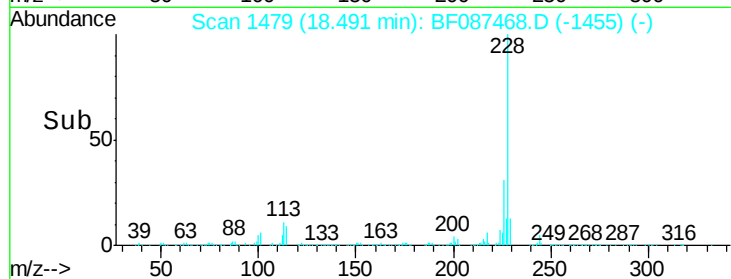
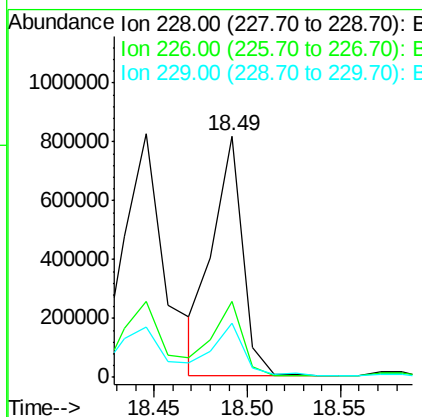
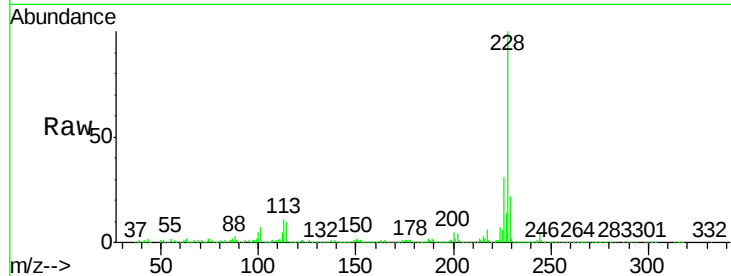
#82
Chrysene
Concen: 71.28 ng
RT: 18.49 min Scan# 1479
Delta R.T. -0.02 min
Lab File: BF087468.D
Acq: 28 May 2016 5:29

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1699(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.4	36.6
229	22.4	15.8	23.8

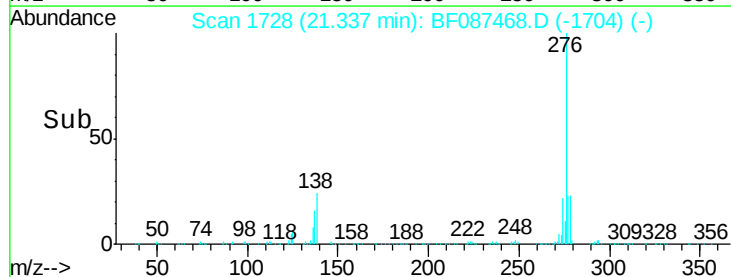
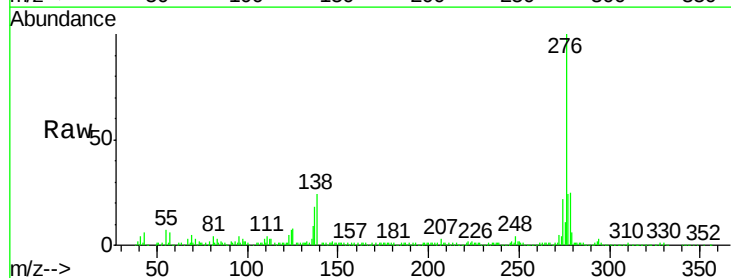
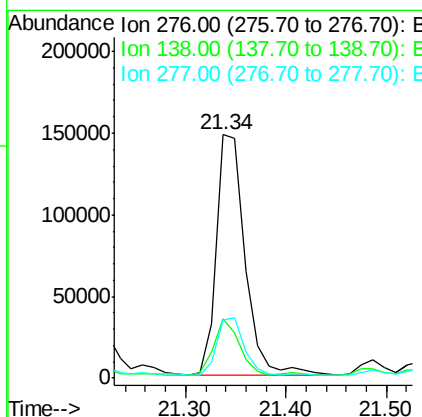
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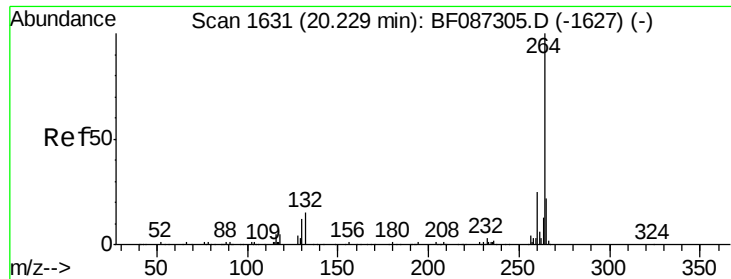
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#85
Indeno(1,2,3-cd)pyrene
Concen: 28.46 ng
RT: 21.34 min Scan# 1728
Delta R.T. -0.02 min
Lab File: BF087468.D
Acq: 28 May 2016 5:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	25.6	38.4#
277	22.7	20.5	30.7





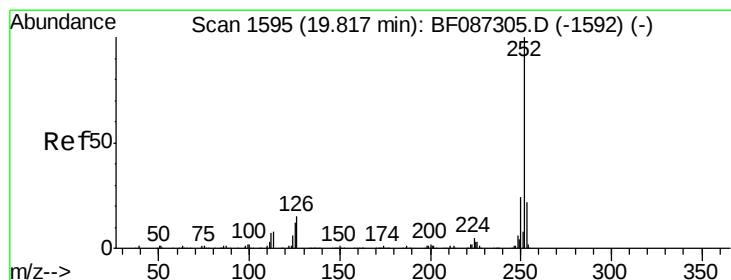
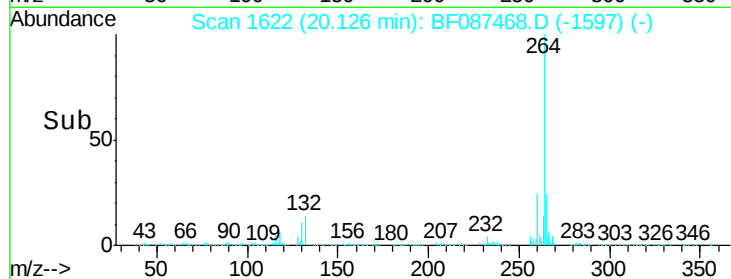
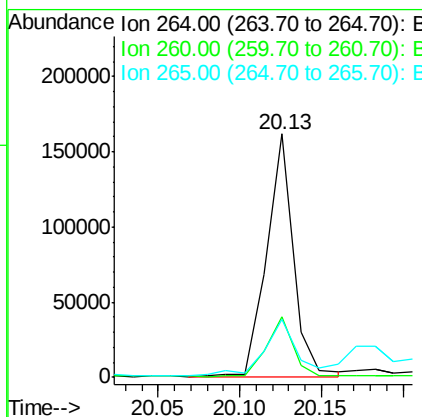
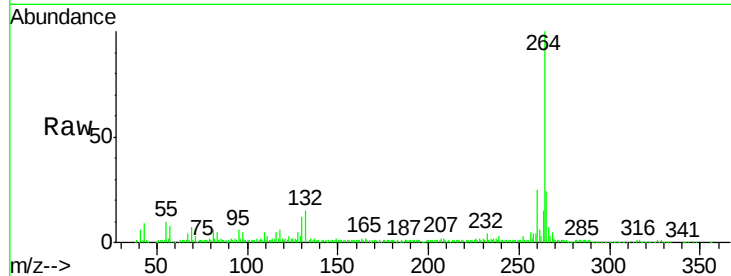
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.13 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BF087468.D
Acq: 28 May 2016 5:29

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1699(0-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	24.1	17.3	25.9

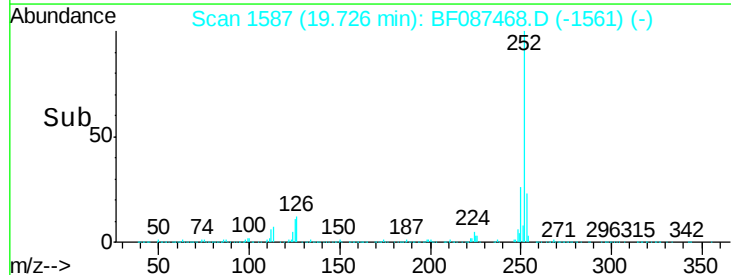
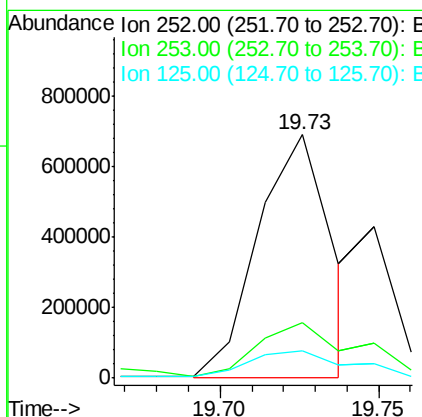
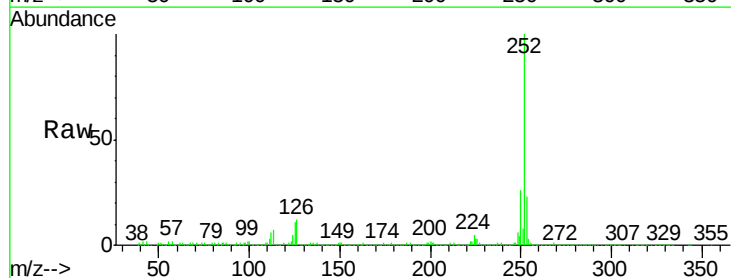
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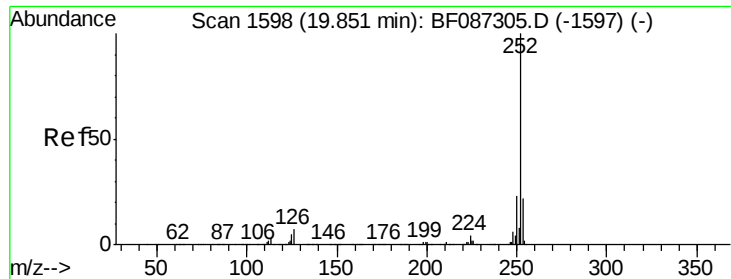
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#87
Benzo(b)fluoranthene
Concen: 94.69 ng m
RT: 19.73 min Scan# 1587
Delta R.T. 0.00 min
Lab File: BF087468.D
Acq: 28 May 2016 5:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	11.1	11.4	17.0#





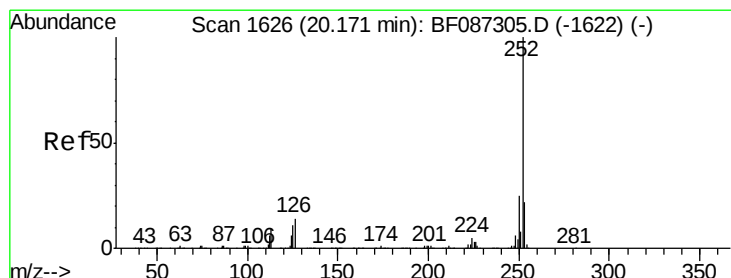
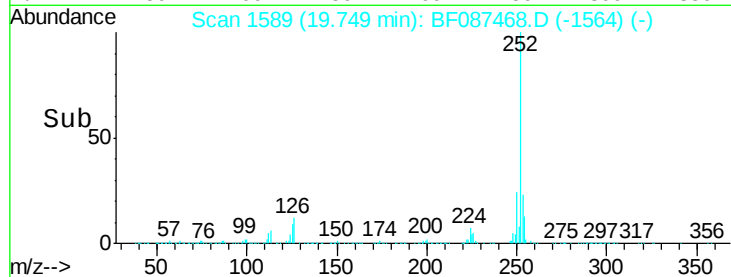
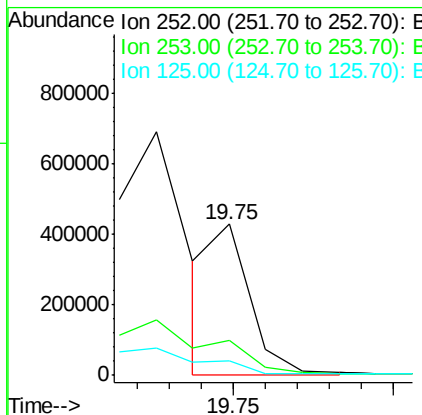
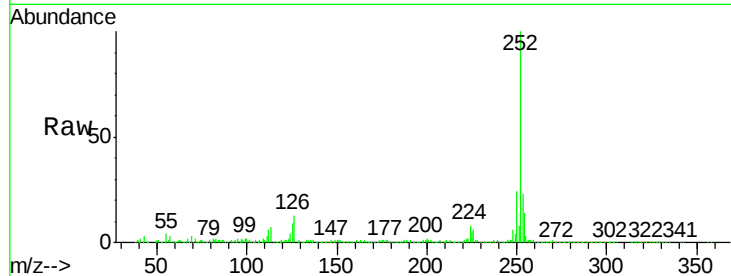
#88
Benzo(k)fluoranthene
Concen: 35.44 ng m
RT: 19.75 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF087468.D
Acq: 28 May 2016 5:29

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1699(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.9	17.8	26.6	
125	9.2	9.1	13.7	

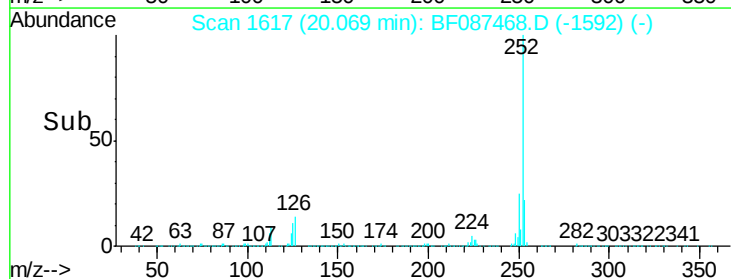
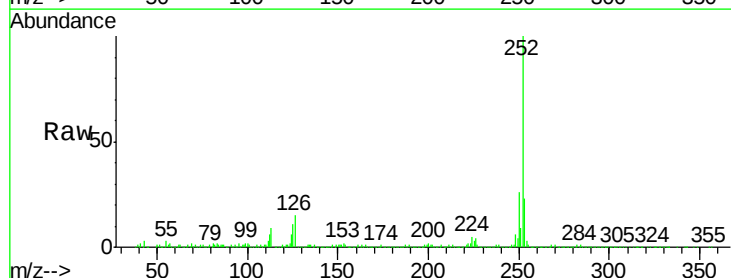
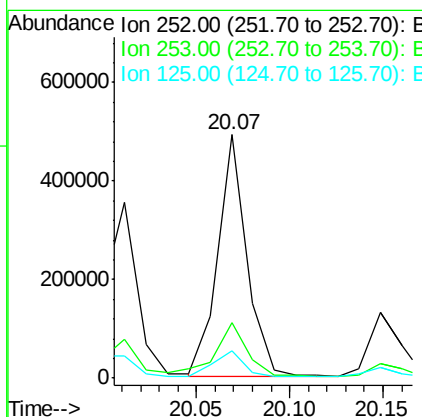
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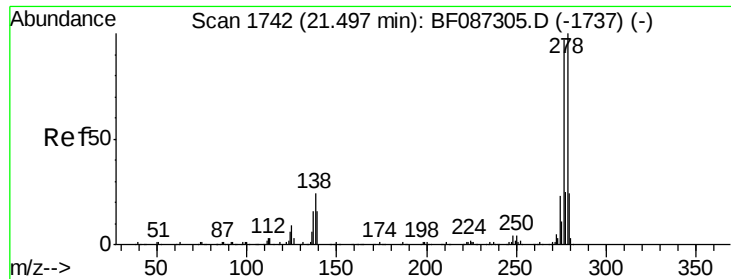
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#89
Benzo(a)pyrene
Concen: 53.45 ng
RT: 20.07 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BF087468.D
Acq: 28 May 2016 5:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.0	17.2	25.8	
125	11.3	9.0	13.6	





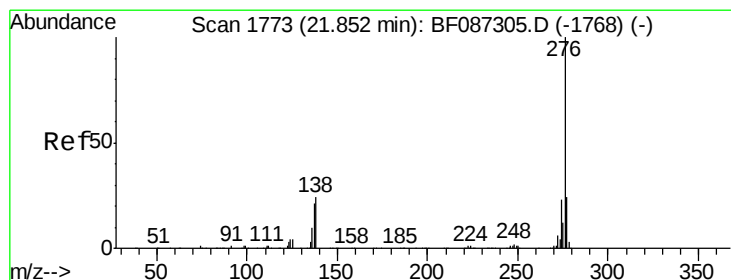
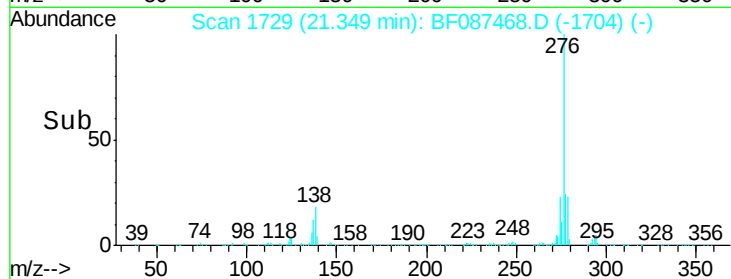
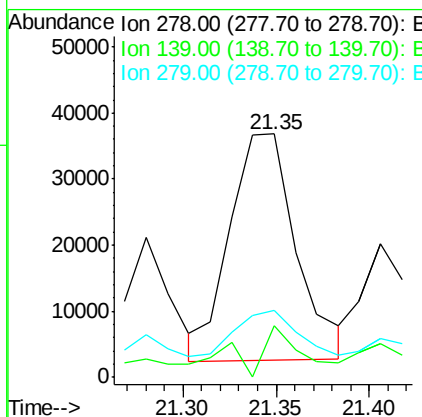
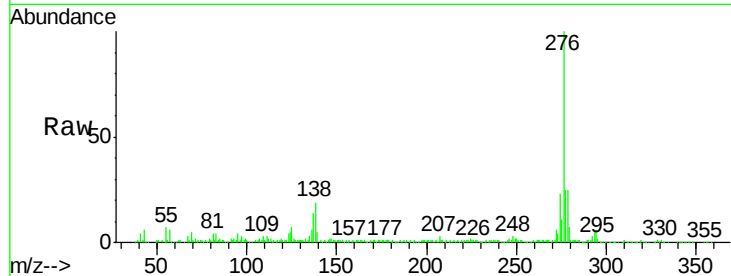
#90
Dibenzo(a,h)anthracene
Concen: 9.92 ng
RT: 21.35 min Scan# 1729
Delta R.T. -0.01 min
Lab File: BF087468.D
Acq: 28 May 2016 5:29

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1699(0-4)

Tot Ion:	278	Resp:	85655
Ion Ratio	Lower	Upper	
278	100		
139	21.2	16.6	24.8
279	27.3	19.6	29.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 25.59 ng
RT: 21.69 min Scan# 1759
Delta R.T. -0.02 min
Lab File: BF087468.D
Acq: 28 May 2016 5:29

Tgt Ion:	276	Resp:	217936
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.6	29.4
138	23.9	23.6	35.4

