

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
 Data File : BF087083.D
 Acq On : 16 May 2016 16:04
 Operator : UM/SJ
 Sample : H2994-07RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1767-00(0-2)RE

Manual Integrations
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Quant Time: May 17 12:57:22 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 01:12:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	146285	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	574150	20.00	ng	0.00
38) Acenaphthene-d10	9.64	164	229915	20.00	ng	0.00
63) Phenanthrene-d10	11.12	188	343151	20.00	ng	0.00
75) Chrysene-d12	13.76	240	279307	20.00	ng	0.00
86) Perylene-d12	15.12	264	242138	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	720265	83.38	ng	0.00
7) Phenol-d6	6.27	99	973160	84.30	ng	-0.01
23) Nitrobenzene-d5	7.18	82	657316	57.49	ng	-0.01
41) 2,4,6-Tribromophenol	10.43	330	163252	67.07	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	890884	65.12	ng	-0.01
78) Terphenyl-d14	12.71	244	595143	45.21	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.92	128	142646	4.96	ng	99
37) 2-Methylnaphthalene	8.60	142	70182	4.17	ng	95
48) Acenaphthylene	9.51	152	360885	17.12	ng	99
49) Dimethylphthalate	9.37	163	91641	5.22	ng	99
54) Dibenzofuran	9.85	168	65326	3.88	ng	# 96
57) Fluorene	10.19	166	69113	4.82	ng	93
70) Phenanthrene	11.14	178	608561	33.23	ng	99
71) Anthracene	11.20	178	395915	21.14	ng	99
72) Carbazole	11.36	167	92004	5.71	ng	98
74) Fluoranthene	12.33	202	1422226	75.51	ng	100
77) Pyrene	12.56	202	1263166	59.07	ng	99
80) Benzo(a)anthracene	13.75	228	984279	62.77	ng	# 90
82) Chrysene	13.78	228	593878m	37.23	ng	
85) Indeno(1,2,3-cd)pyrene	16.38	276	341410	25.73	ng	# 88
87) Benzo(b)fluoranthene	14.75	252	947097m	60.18	ng	
88) Benzo(k)fluoranthene	14.77	252	406173m	31.52	ng	
89) Benzo(a)pyrene	15.07	252	533541m	39.31	ng	
90) Dibenzo(a,h)anthracene	16.38	278	109413	9.56	ng	95
91) Benzo(a,h,i)perylene	16.75	276	269700	23.20	ng	# 90

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

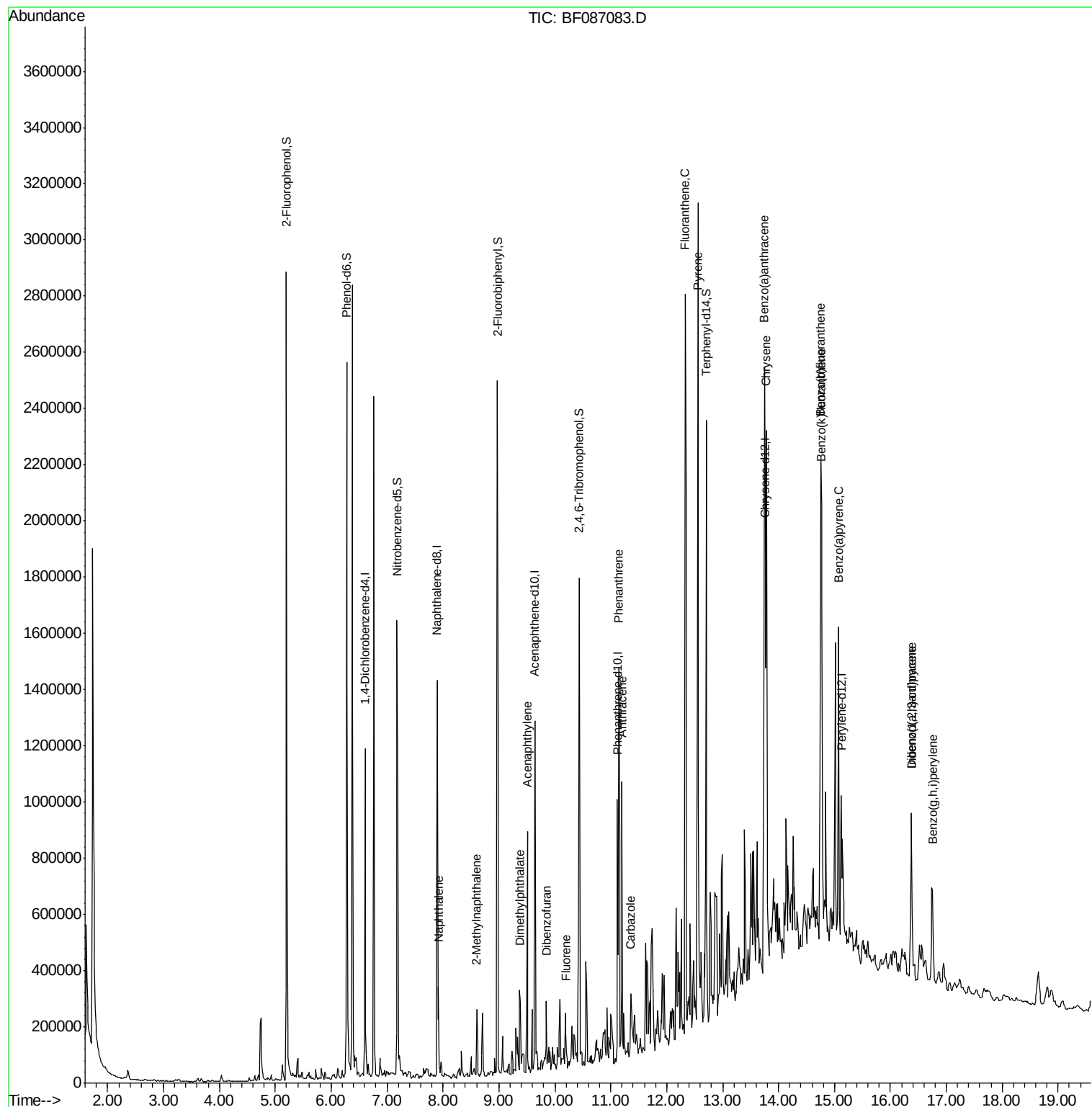
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087083.D
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ALS Vial : 10 Sample Multiplier: 1

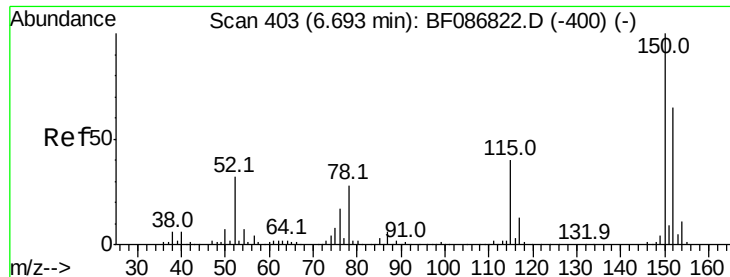
Instrument :
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ClientSampleId :
CH-STA-1767-00(0-2)RE

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Quant Time: May 17 12:57:22 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

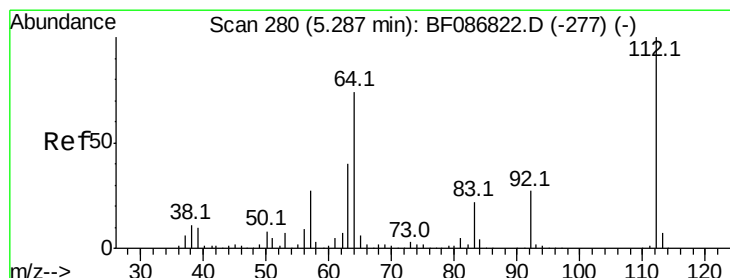
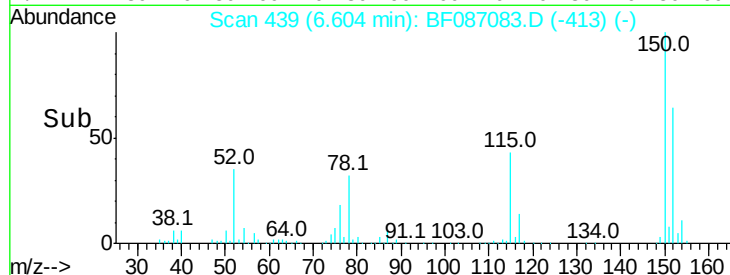
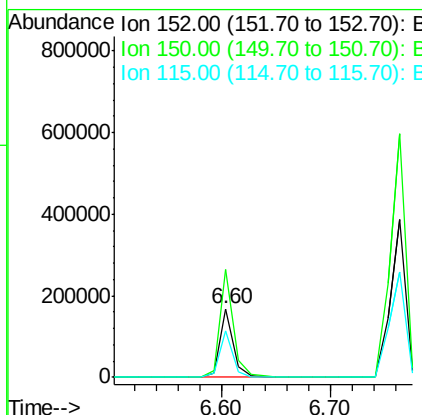
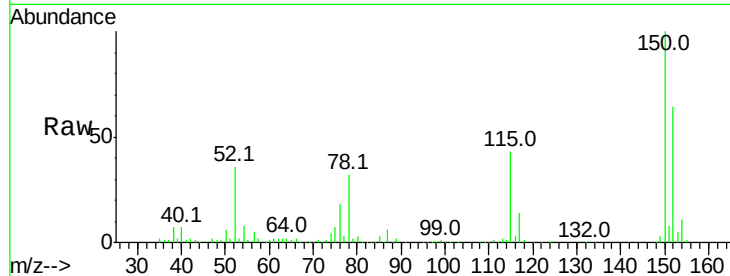
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tot Ion	Ratio	Resp	Lower	Upper
152	100	146285		
150	157.5	125.8	188.6	
115	68.1	51.5	77.3	

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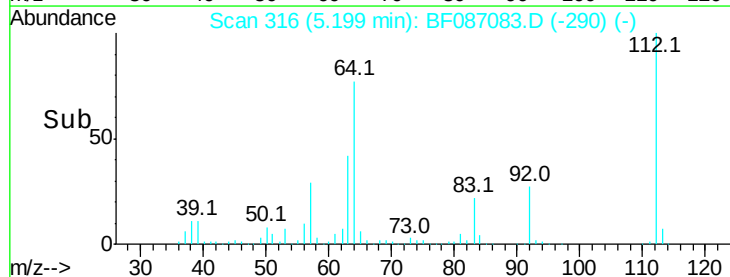
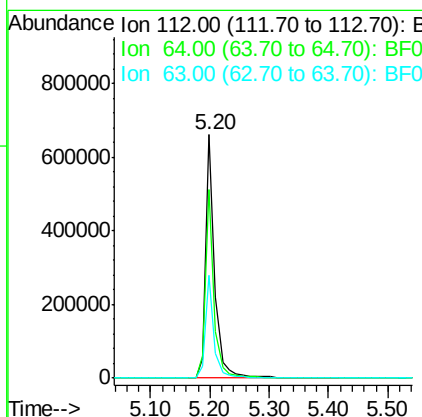
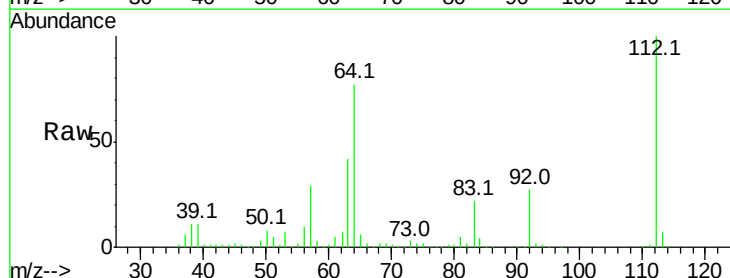
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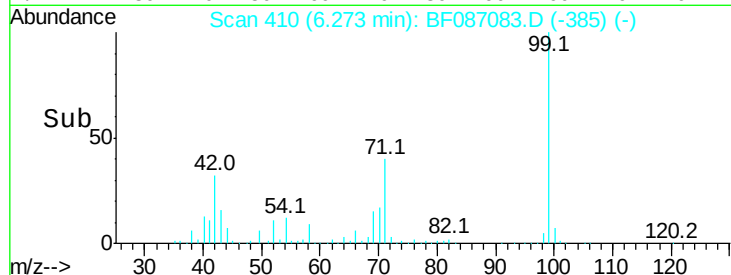
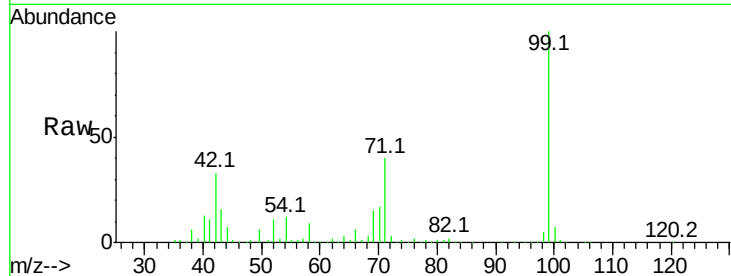
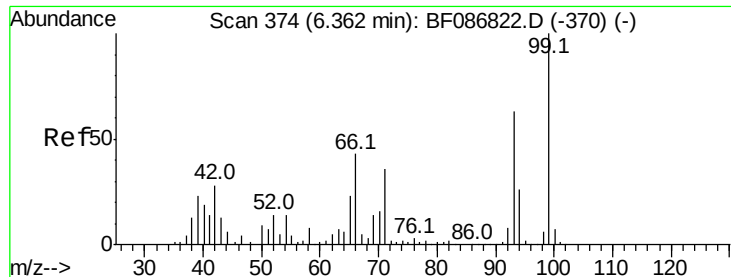


#5

2-Fluorophenol
Concen: 83.38 ng
RT: 5.20 min Scan# 316
Delta R.T. 0.00 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	720265		
64	77.3	52.1	78.1	
63	42.2	25.7	38.5	





#7

Phenol-d6

Concen: 84.30 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF087083.D

Acq: 16 May 2016 16:04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		973160		
42	32.6	13.6	20.4#		
71	40.2	24.6	36.8#		

Instrument :

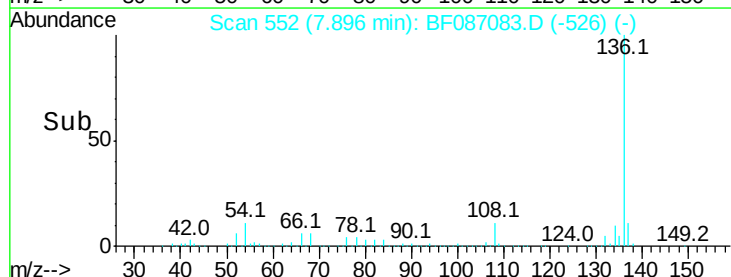
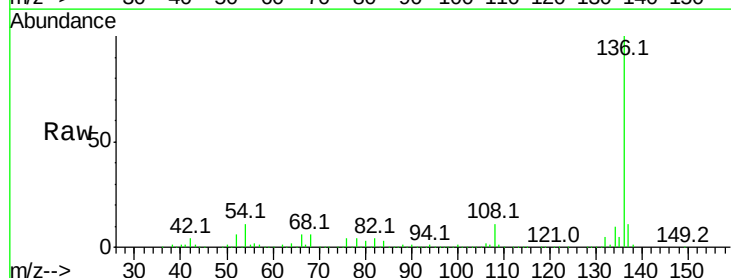
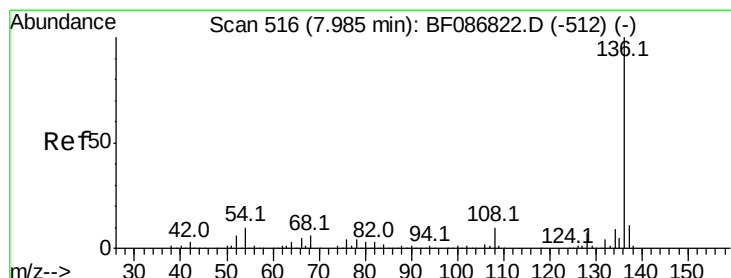
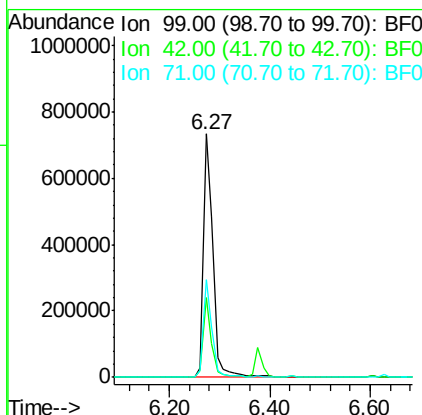
BNA_F

ClientSampleId :

CH-STA-1767-00(0-2)RE

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#21

Naphthalene-d8

Concen: 20.00 ng

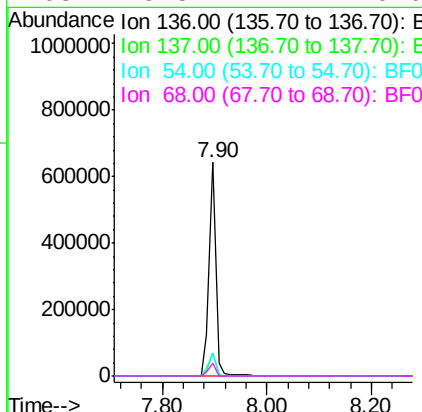
RT: 7.90 min Scan# 552

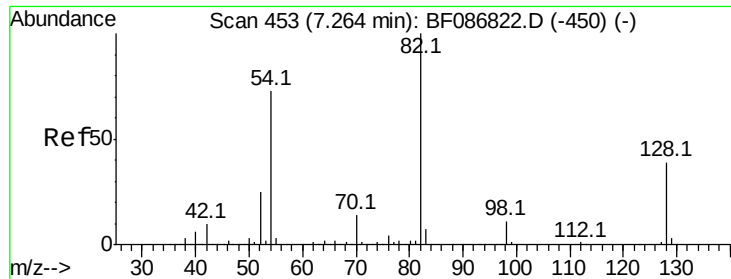
Delta R.T. 0.00 min

Lab File: BF087083.D

Acq: 16 May 2016 16:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		574150		
137	10.7	8.8	13.2		
54	10.9	5.0	7.4#		
68	5.8	4.4	6.6		





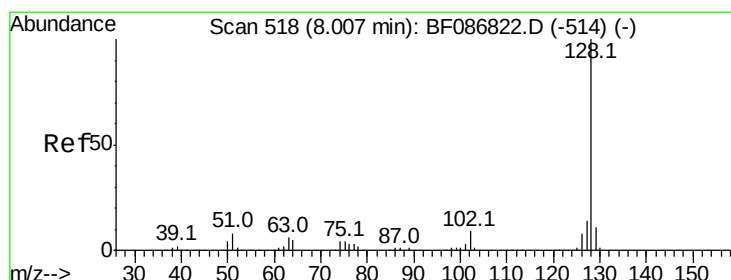
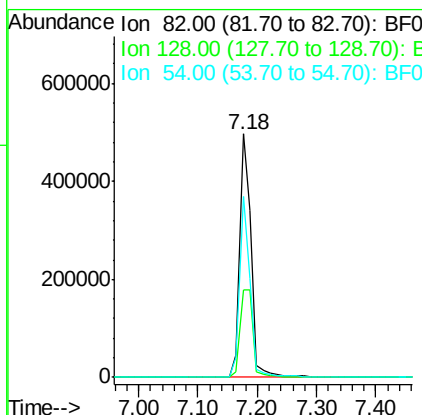
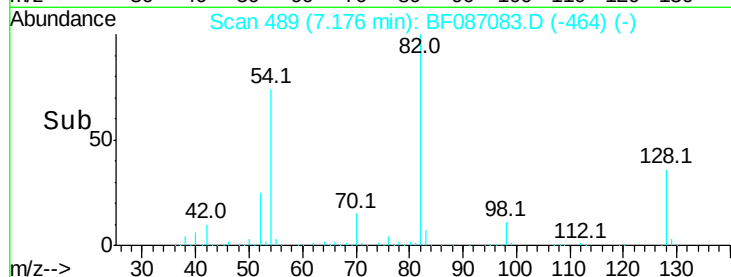
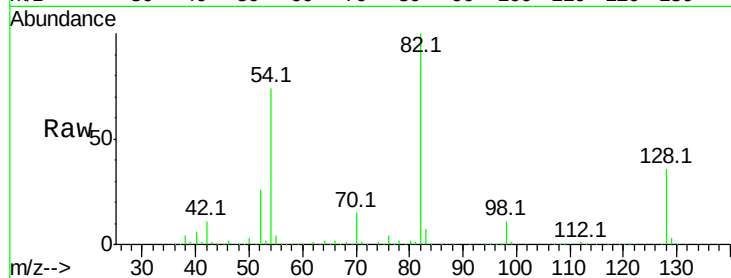
#23
 Nitrobenzene-d5
 Concen: 57.49 ng
 RT: 7.18 min Scan# 489
 Delta R.T. -0.01 min
 Lab File: BF087083.D
 Acq: 16 May 2016 16:04

Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1767-00(0-2)RE

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	36.0	40.6	61.0#	
54	74.3	38.1	57.1#	

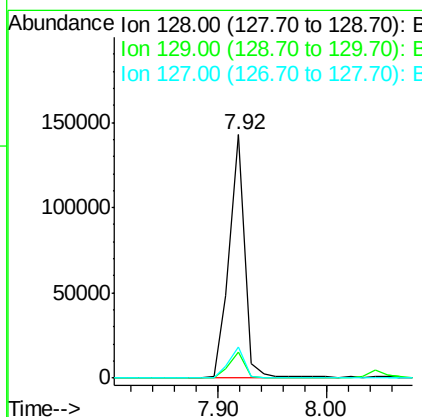
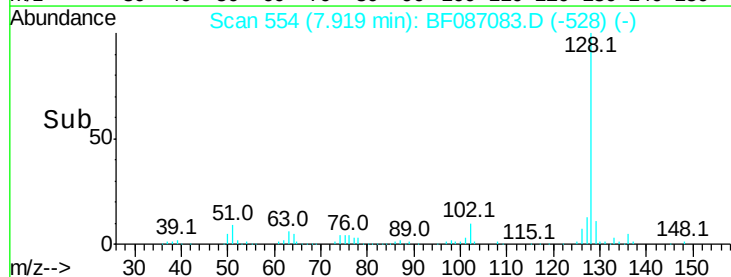
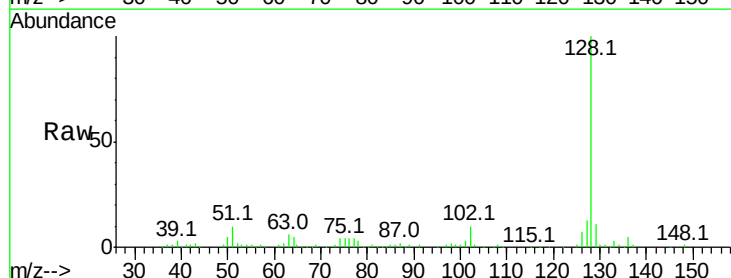
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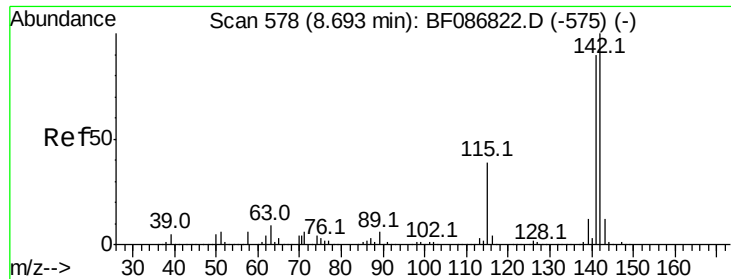
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#31
 Naphthalene
 Concen: 4.96 ng
 RT: 7.92 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF087083.D
 Acq: 16 May 2016 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.9	8.6	13.0	
127	12.8	10.8	16.2	





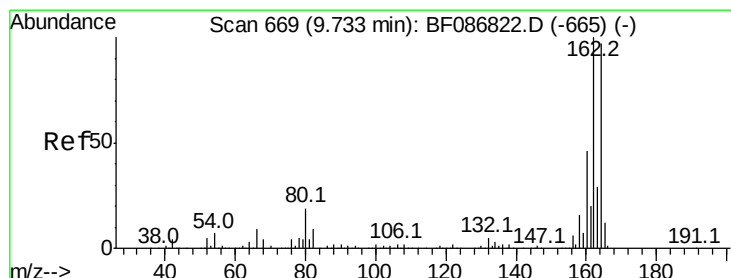
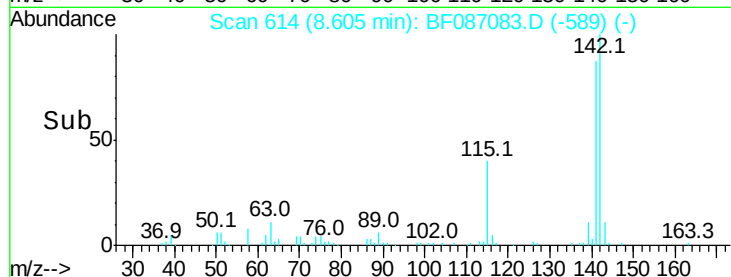
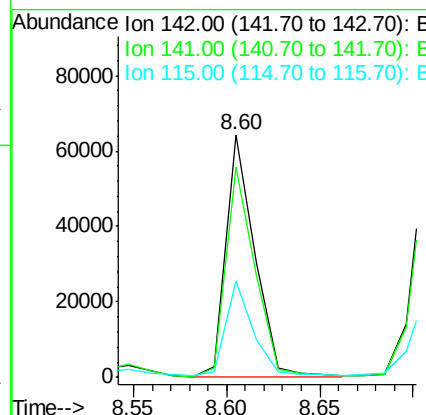
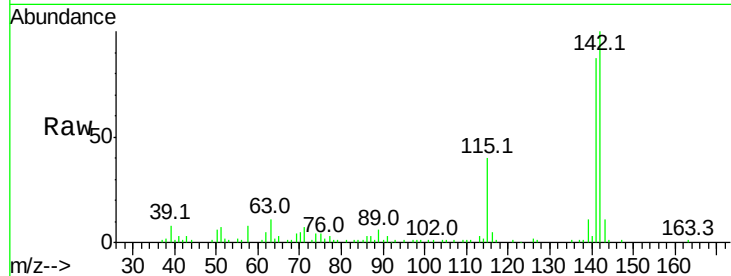
#37
2-Methylnaphthalene
Concen: 4.17 ng
RT: 8.60 min Scan# 614
Delta R.T. -0.01 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.7	71.0	106.6
115	39.6	26.6	39.8

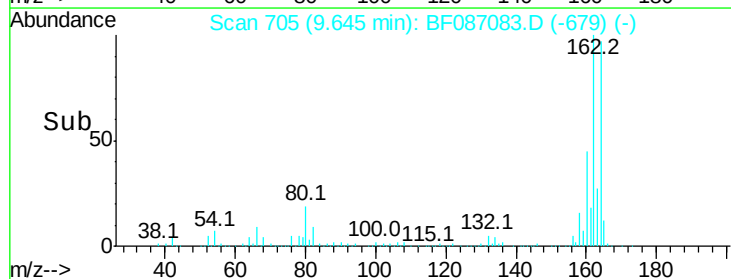
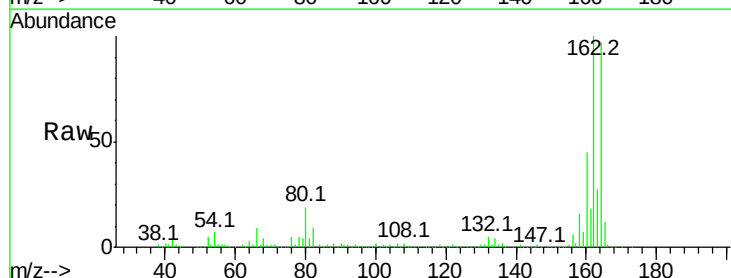
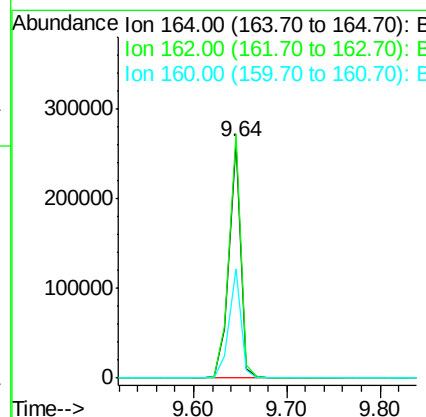
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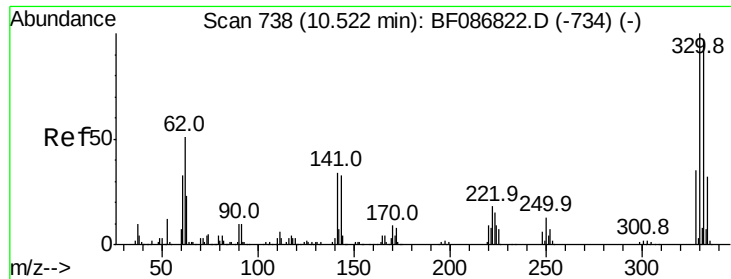
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.8	124.2
160	46.2	36.9	55.3





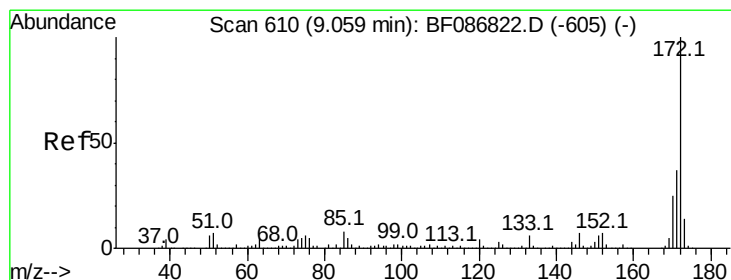
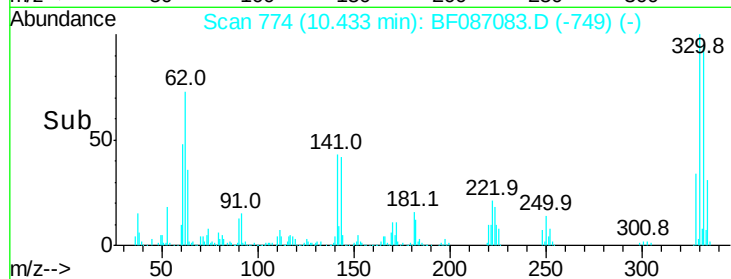
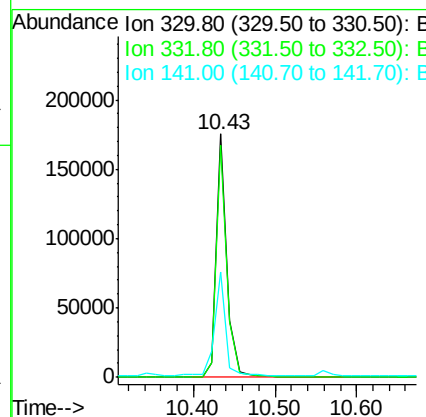
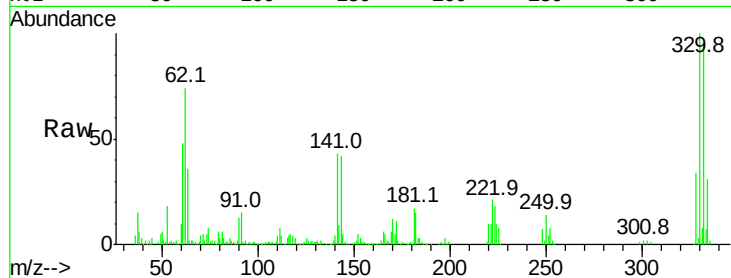
#41
 2,4,6-Tribromophenol
 Concen: 67.07 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BF087083.D
 Acq: 16 May 2016 16:04

Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1767-00(0-2)RE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	163252		
332	95.4	79.0	118.4	
141	44.8	31.2	46.8	

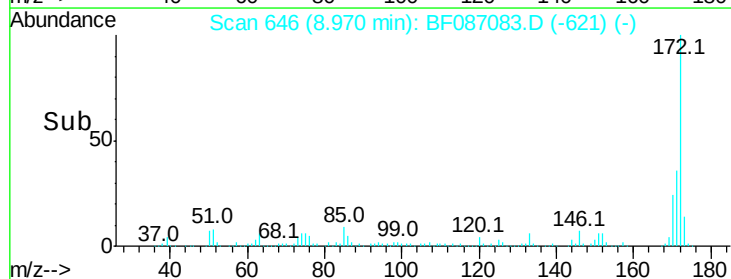
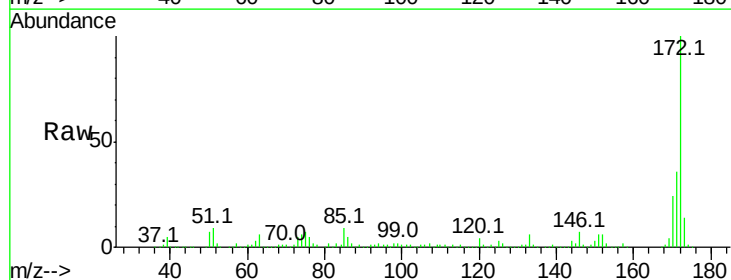
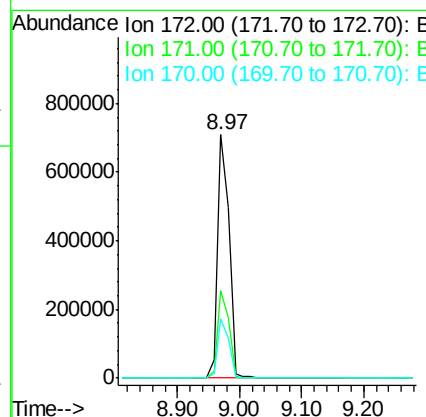
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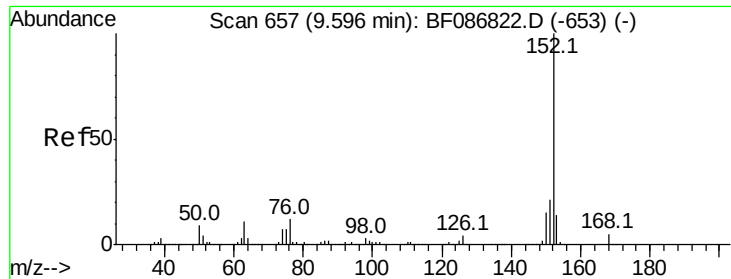
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#44
 2-Fluorobiphenyl
 Concen: 65.12 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: BF087083.D
 Acq: 16 May 2016 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	890884		
171	36.1	29.0	43.6	
170	24.2	19.8	29.8	





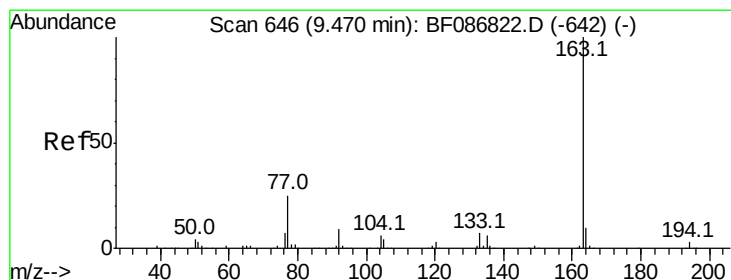
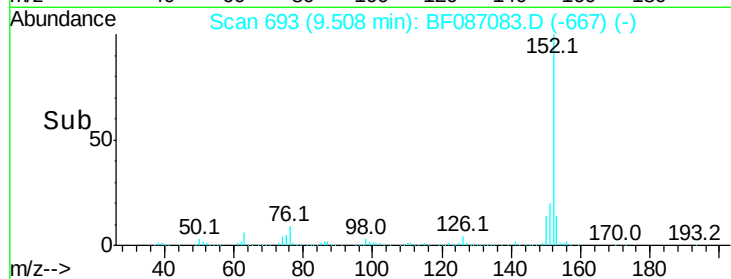
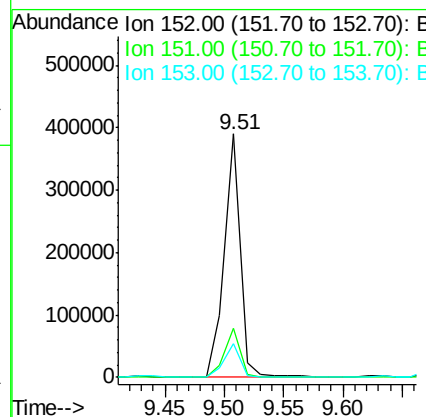
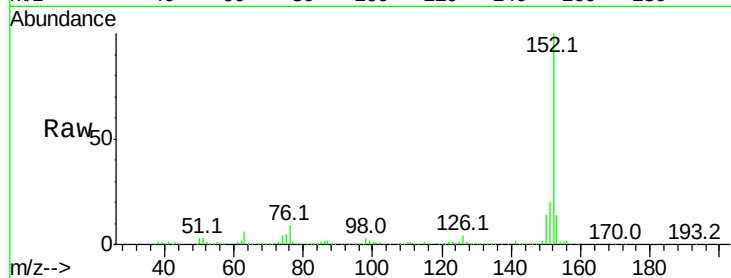
#48
Acenaphthylene
Concen: 17.12 ng
RT: 9.51 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tot Ion	Ratio	Resp	Lower	Upper
152	100	360885		
151	20.1		16.8	25.2
153	13.7		10.9	16.3

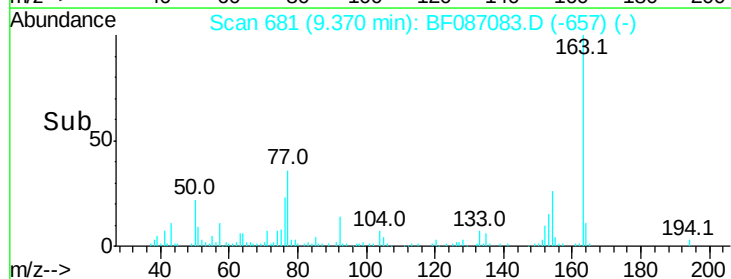
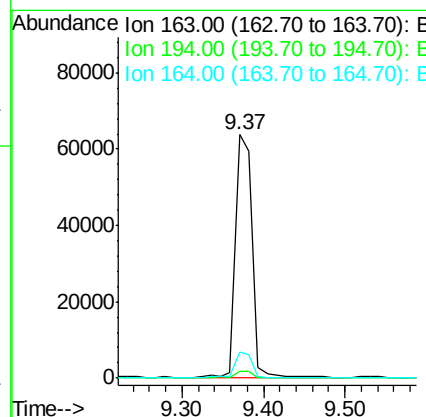
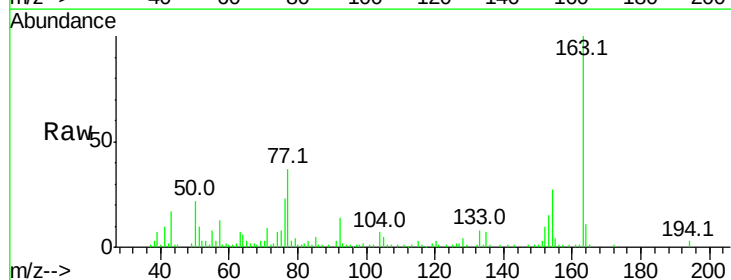
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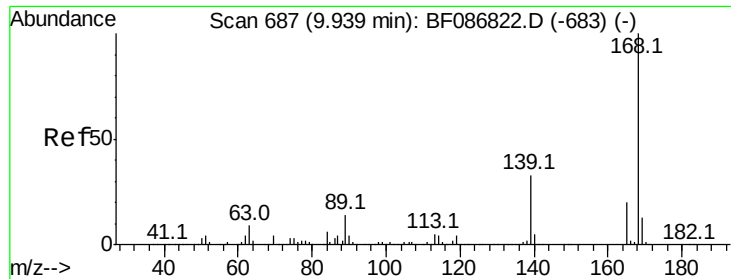
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#49
Dimethylphthalate
Concen: 5.22 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	91641		
194	2.7		2.6	4.0
164	10.7		8.2	12.4





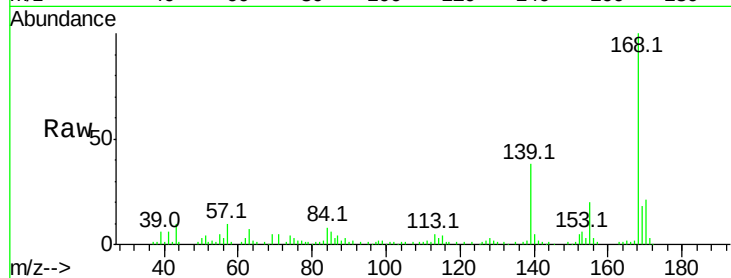
#54
Dibenzofuran
Concen: 3.88 ng
RT: 9.85 min Scan# 723
Delta R.T. 0.00 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

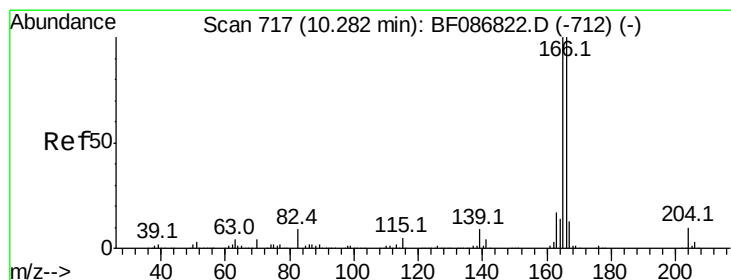
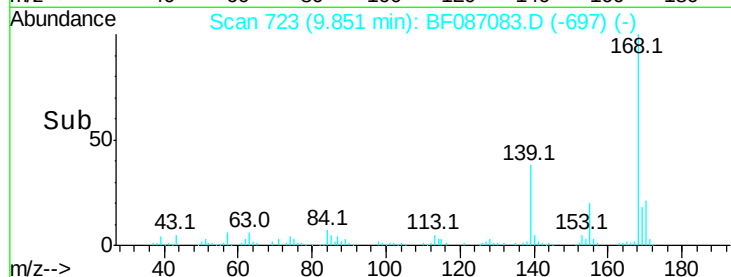
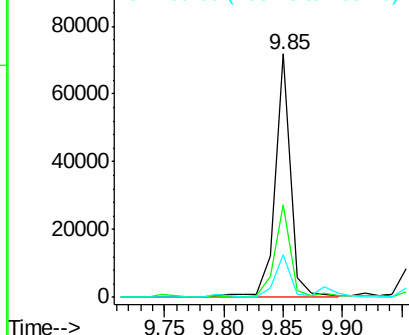
Tot Ion	Ratio	Lower	Upper
168	100		
139	38.1	31.4	47.0
169	17.7	10.7	16.1

Manual Integrations
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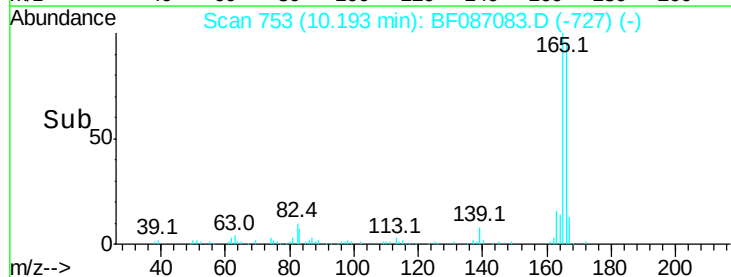
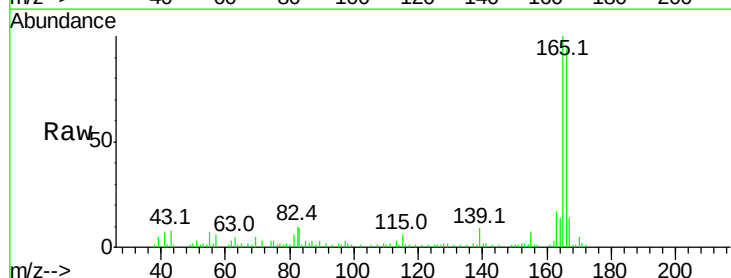
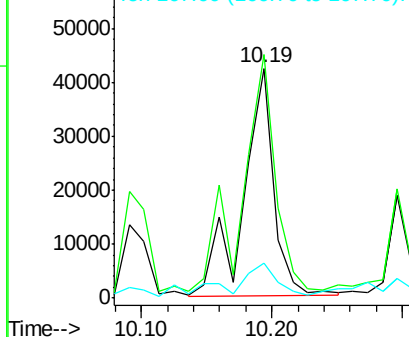
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

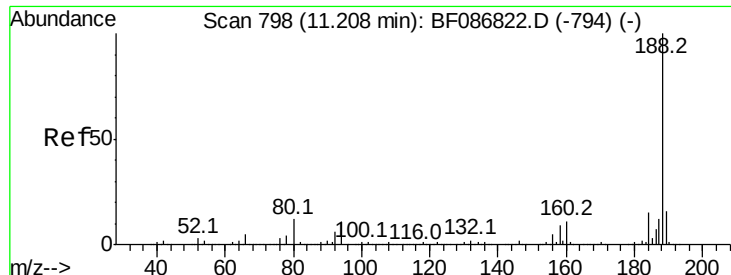


#57
Fluorene
Concen: 4.82 ng
RT: 10.19 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.0	79.0	118.6
167	15.0	10.6	15.8

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF087083.D

Acq: 16 May 2016 16:04

Instrument :

BNA_F

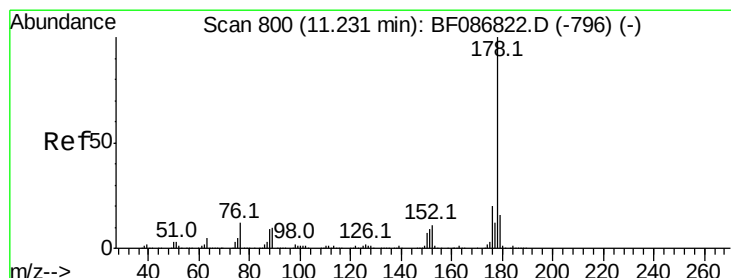
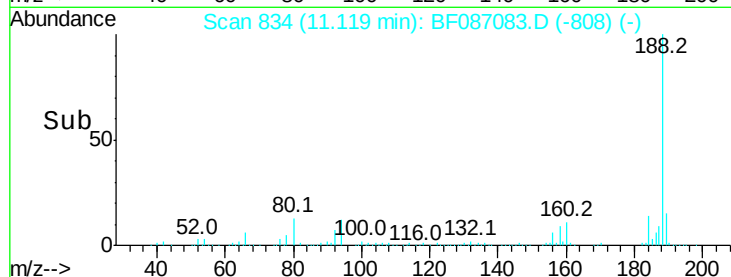
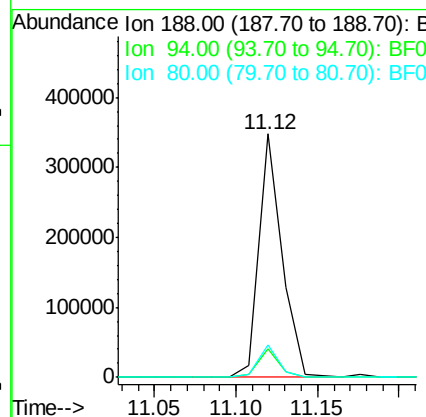
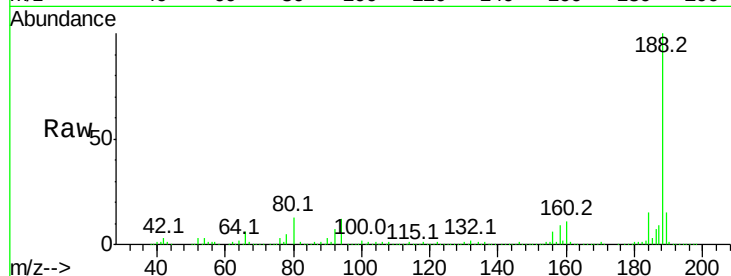
ClientSampleId :

CH-STA-1767-00(0-2)RE

Tot Ion	188	Resp	343151
Ion Ratio	Lower	Upper	
188	100		
94	11.8	6.8	10.2#
80	13.2	7.1	10.7#

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#70

Phenanthrene

Concen: 33.23 ng

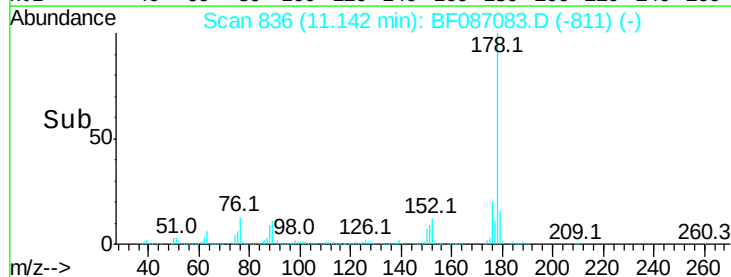
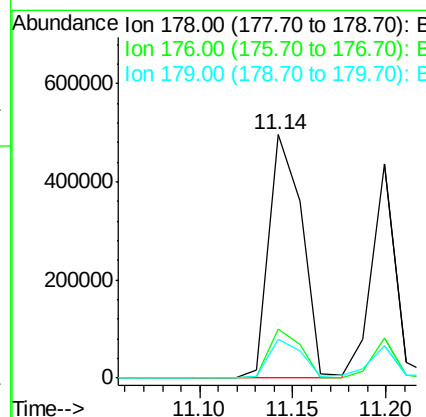
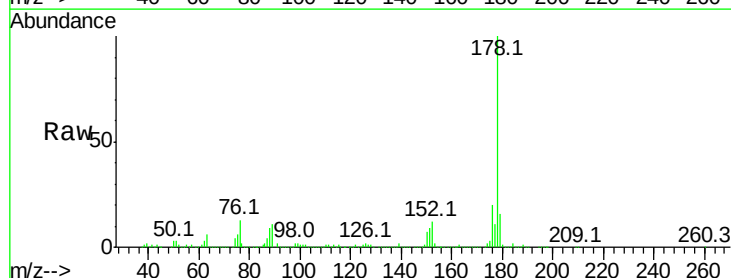
RT: 11.14 min Scan# 836

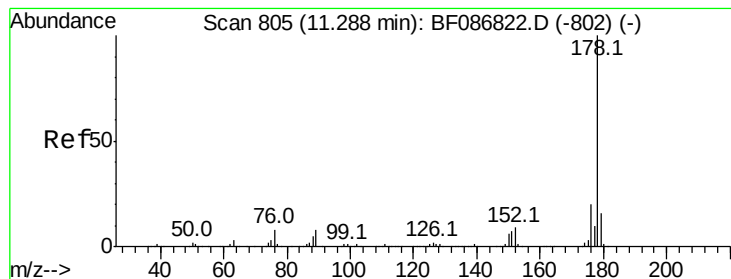
Delta R.T. -0.01 min

Lab File: BF087083.D

Acq: 16 May 2016 16:04

Tgt Ion	178	Resp	608561
Ion Ratio	Lower	Upper	
178	100		
176	20.2	16.0	24.0
179	16.1	12.6	18.8





#71

Anthracene

Concen: 21.14 ng

RT: 11.20 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF087083.D

Acq: 16 May 2016 16:04

Instrument :

BNA_F

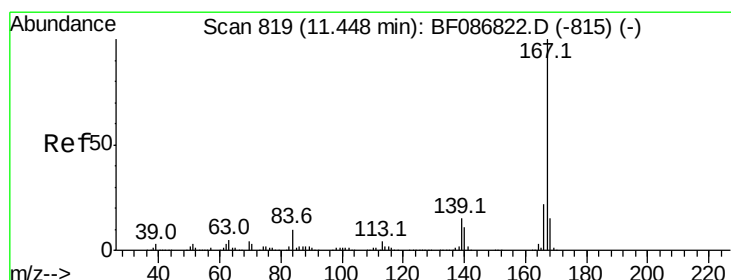
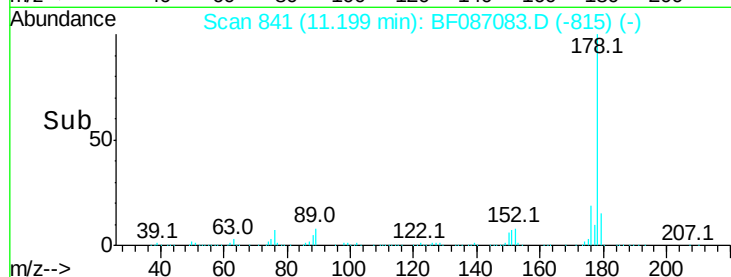
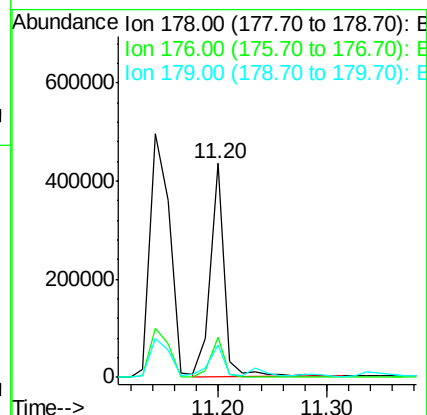
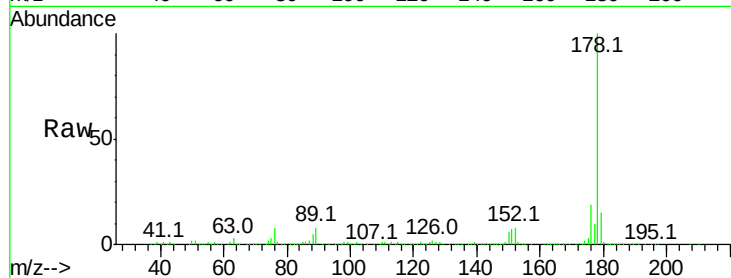
ClientSampleId :

CH-STA-1767-00(0-2)RE

Tot Ion:	178	Resp:	395915
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.6	23.4
179	15.3	12.7	19.1

Manual Integrations
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#72

Carbazole

Concen: 5.71 ng

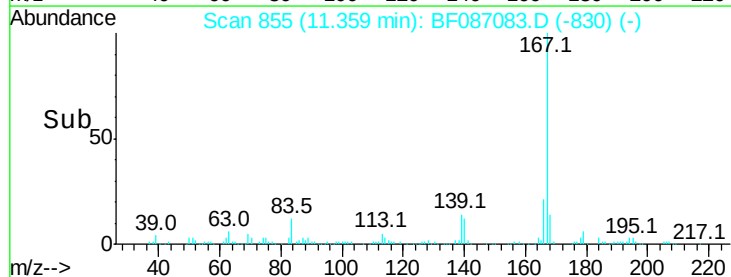
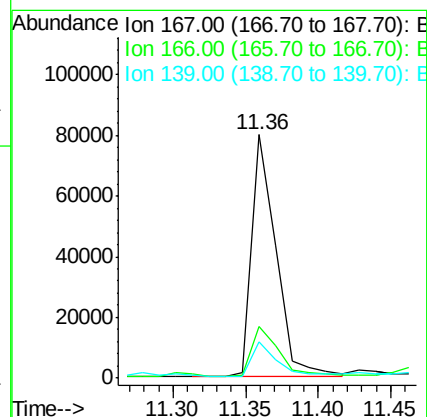
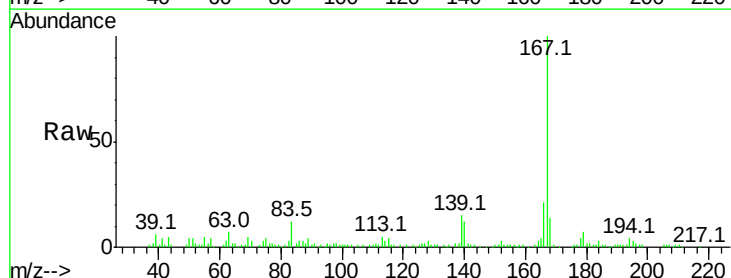
RT: 11.36 min Scan# 855

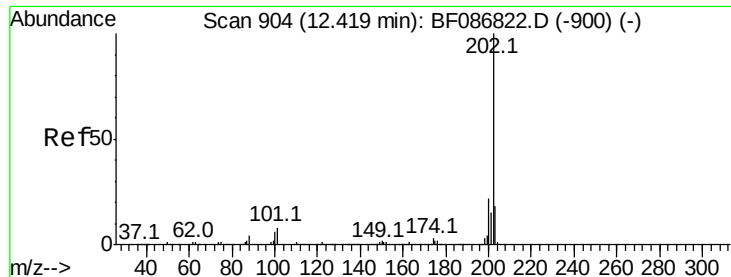
Delta R.T. -0.01 min

Lab File: BF087083.D

Acq: 16 May 2016 16:04

Tgt Ion:	167	Resp:	92004
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.7	26.5
139	14.9	10.8	16.2





#74

Fluoranthene

Concen: 75.51 ng

RT: 12.33 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF087083.D

Acq: 16 May 2016 16:04

Instrument :

BNA_F

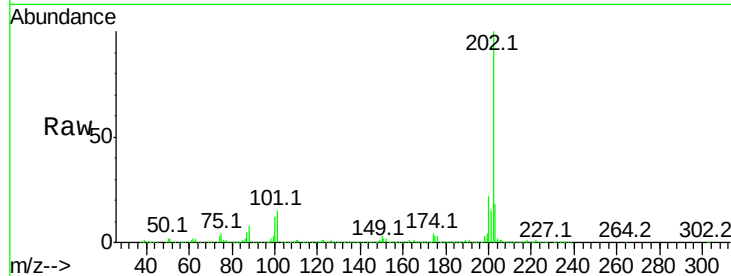
ClientSampleId :

CH-STA-1767-00(0-2)RE

Tot Ion:	202	Resp:	1422226
Ion Ratio	Lower	Upper	
202	100		
101	15.4	0.0	35.4
203	18.2	0.0	38.1

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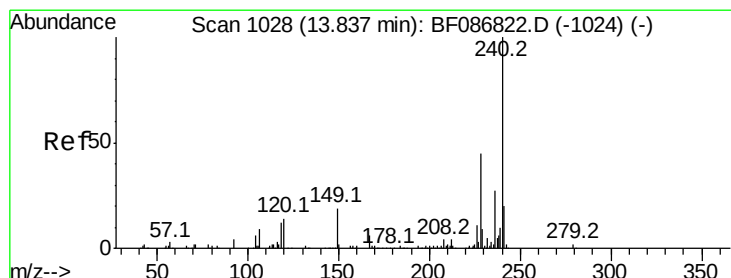
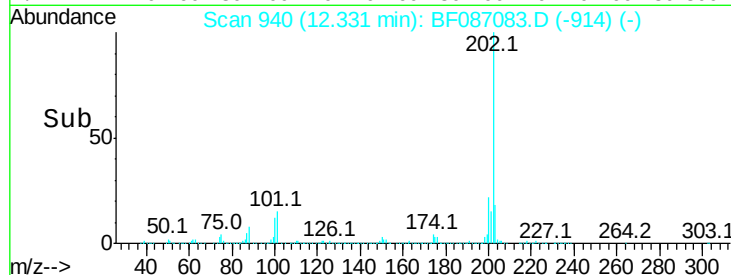
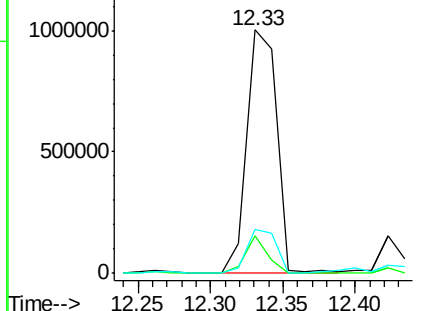
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Abundance Ion 202.00 (201.70 to 202.70): E

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

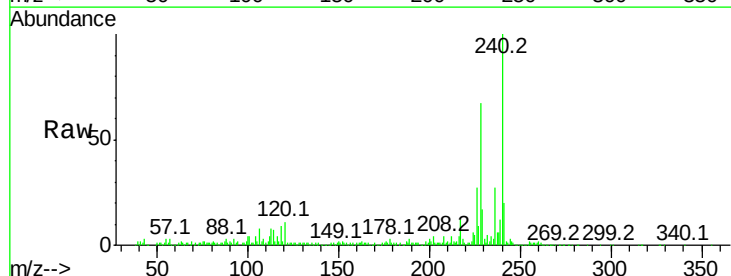
RT: 13.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF087083.D

Acq: 16 May 2016 16:04

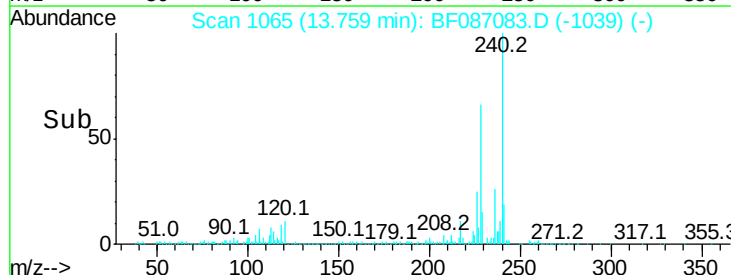
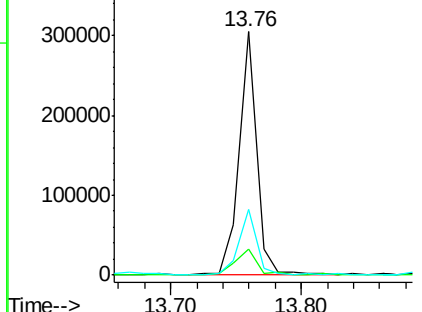
Tgt Ion:	240	Resp:	279307
Ion Ratio	Lower	Upper	
240	100		
120	10.8	11.2	16.8#
236	26.8	21.2	31.8

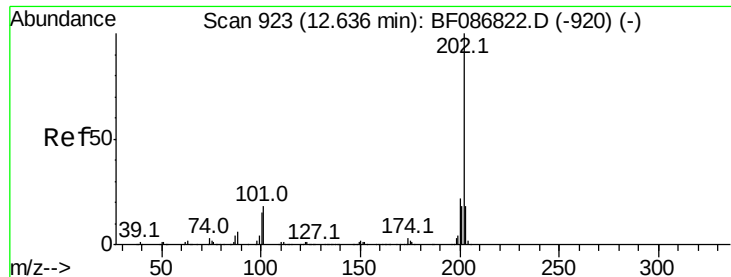


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





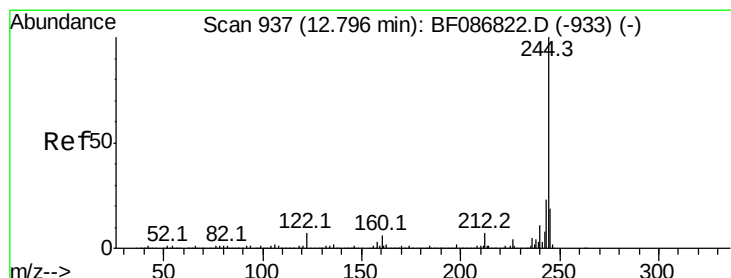
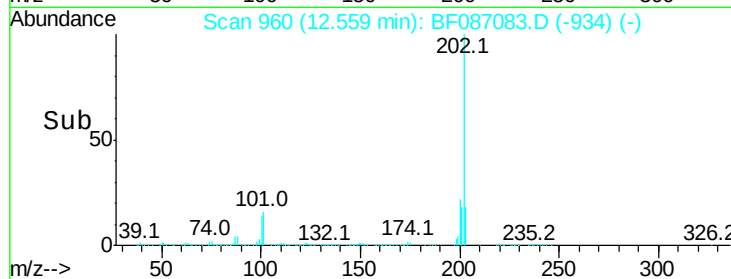
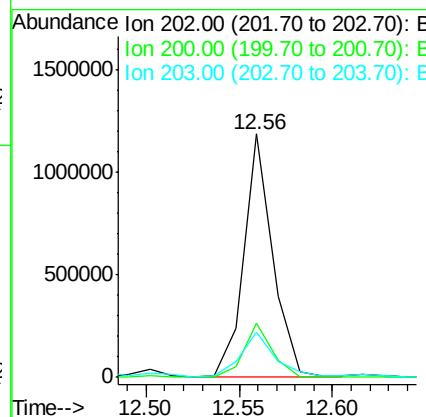
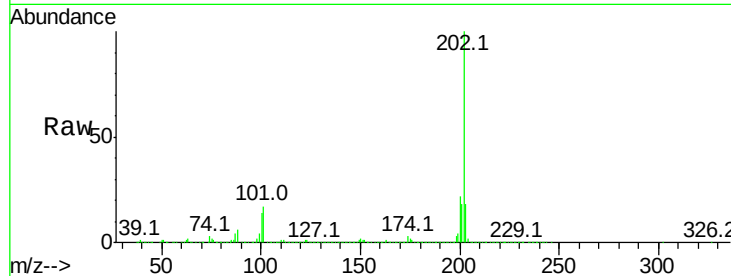
#77
Pvrene
Concen: 59.07 ng
RT: 12.56 min Scan# 960
Delta R.T. 0.00 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.7	26.5
203	18.5	14.2	21.4

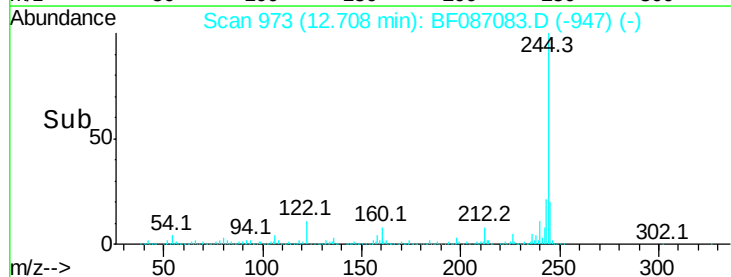
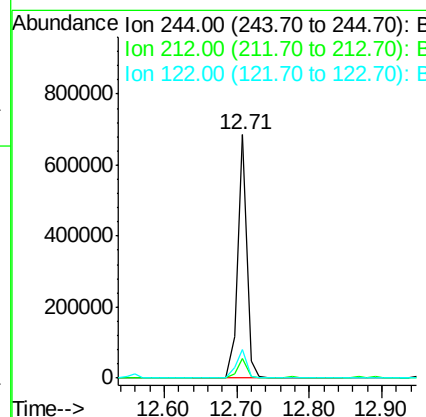
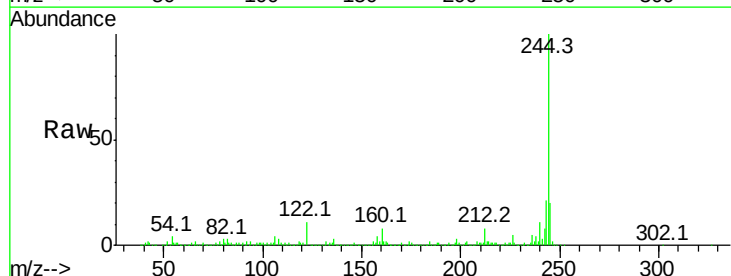
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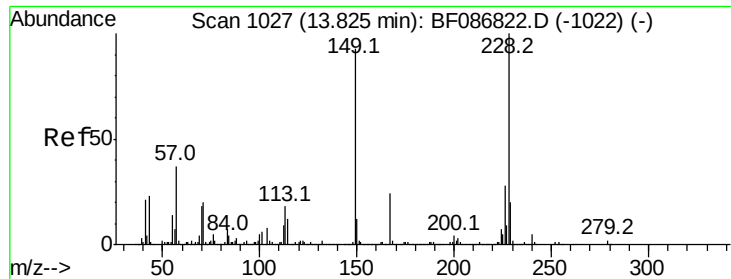
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#78
Terphenyl-d14
Concen: 45.21 ng
RT: 12.71 min Scan# 973
Delta R.T. 0.00 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	11.5	12.0	18.0





#80

Benzo(a)anthracene

Concen: 62.77 ng

RT: 13.75 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF087083.D

Acq: 16 May 2016 16:04

Instrument :

BNA_F

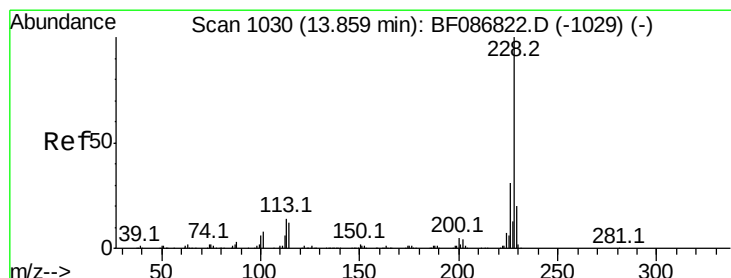
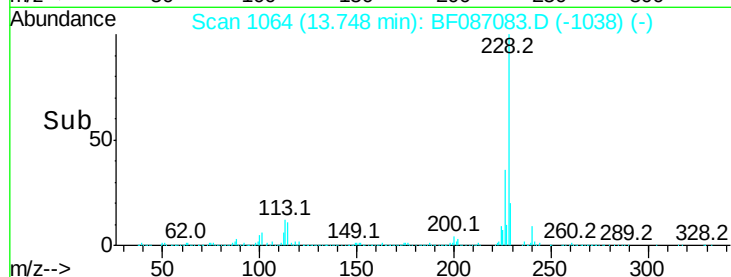
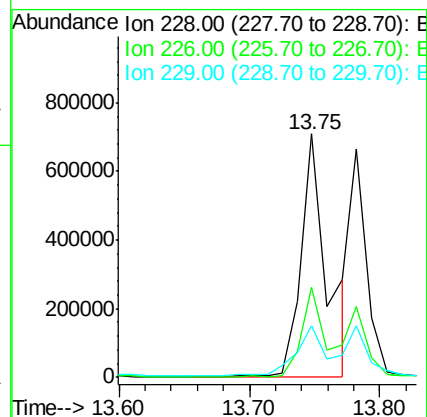
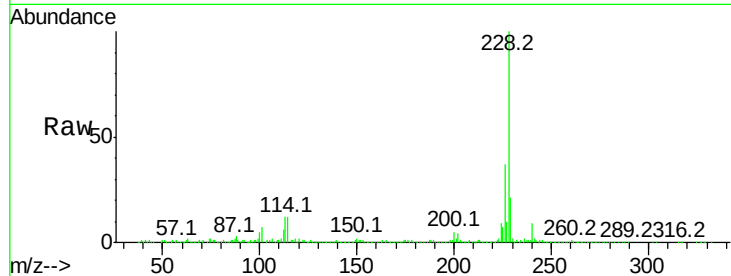
ClientSampleId :

CH-STA-1767-00(0-2)RE

Tot Ion:	228	Resp:	984279
Ion Ratio	Lower	Upper	
228	100		
226	36.8	22.5	33.7#
229	21.0	16.6	25.0

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#82

Chrysene

Concen: 37.23 ng m

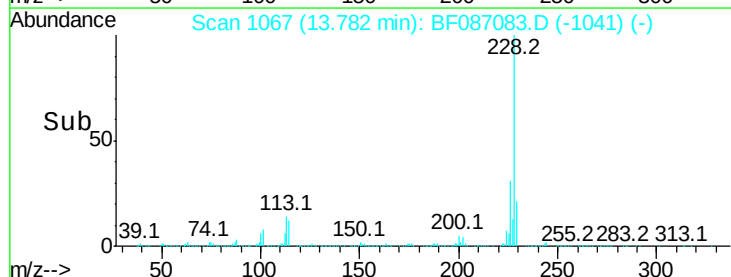
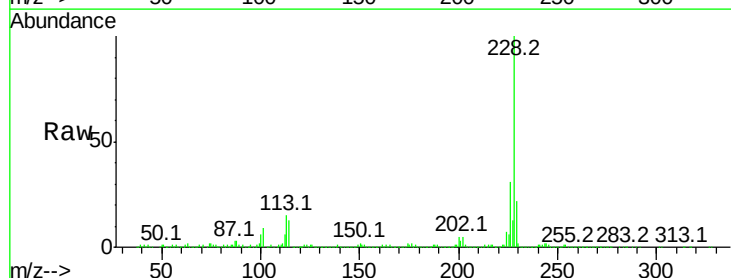
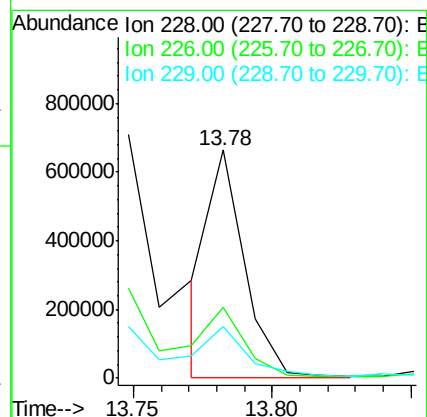
RT: 13.78 min Scan# 1067

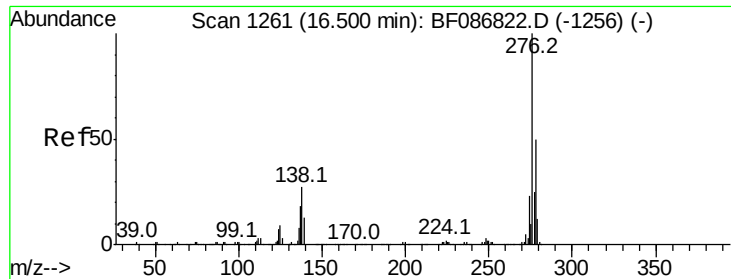
Delta R.T. 0.00 min

Lab File: BF087083.D

Acq: 16 May 2016 16:04

Tgt Ion:	228	Resp:	593878
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.4	36.6
229	22.4	15.8	23.8





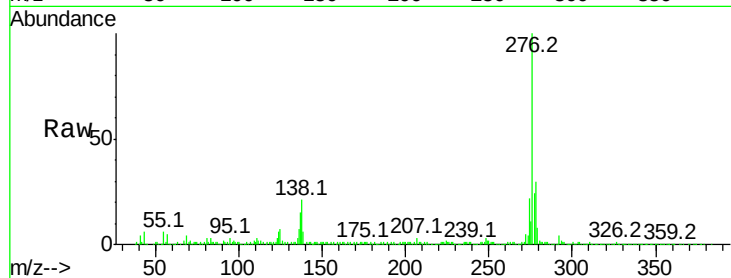
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 25.73 ng
 RT: 16.38 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: BF087083.D
 Acq: 16 May 2016 16:04

Instrument :
 BNA_F
 ClientSampleID :
 CH-STA-1767-00(0-2)RE

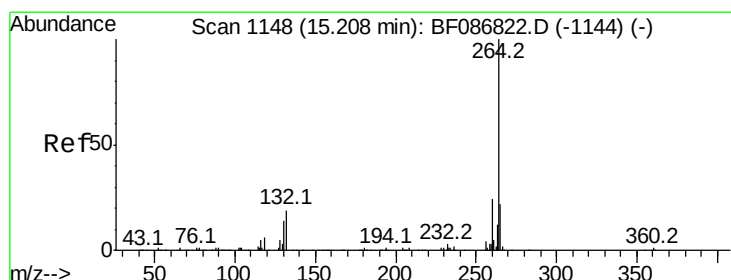
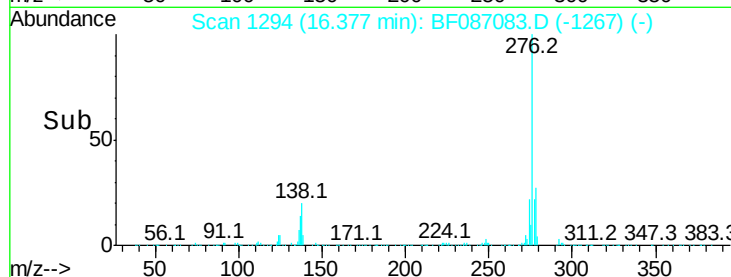
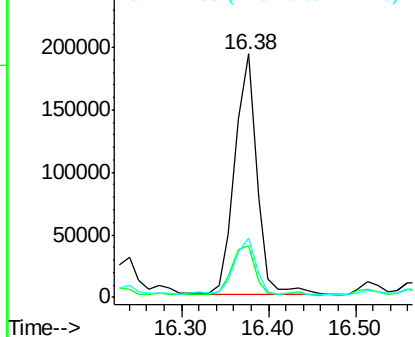
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.6	25.6	38.4#
277	23.5	20.5	30.7

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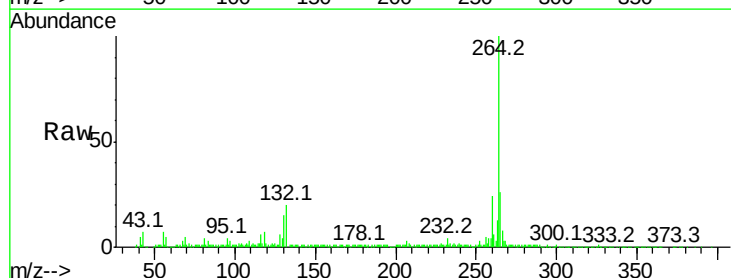


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

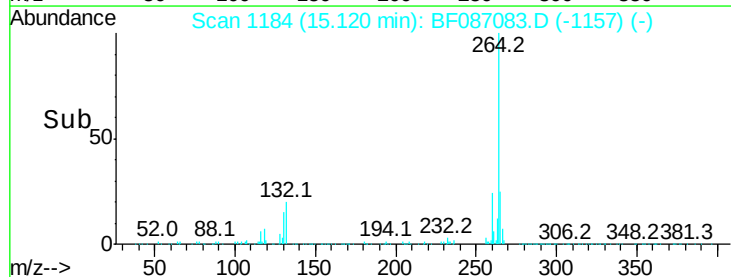
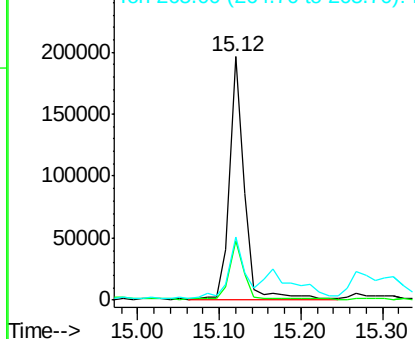


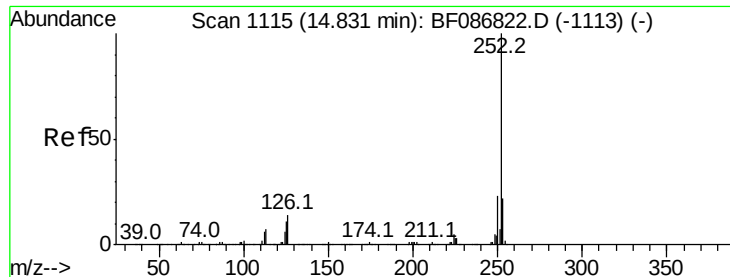
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.12 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: BF087083.D
 Acq: 16 May 2016 16:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	25.8	17.3	25.9



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





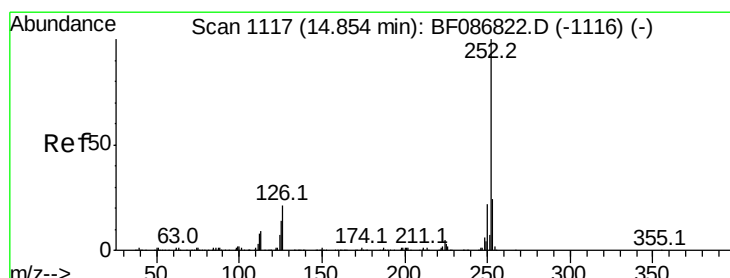
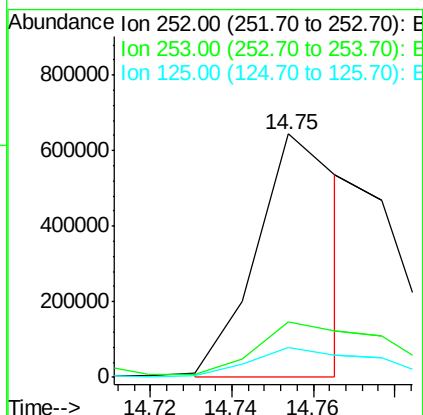
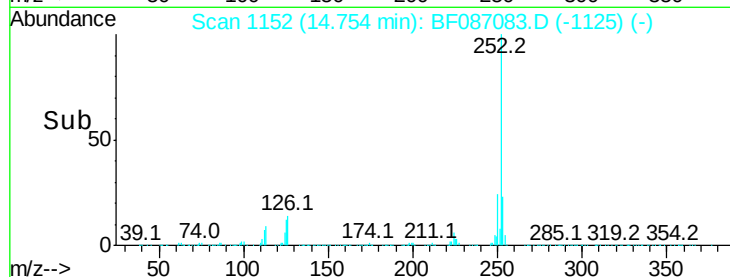
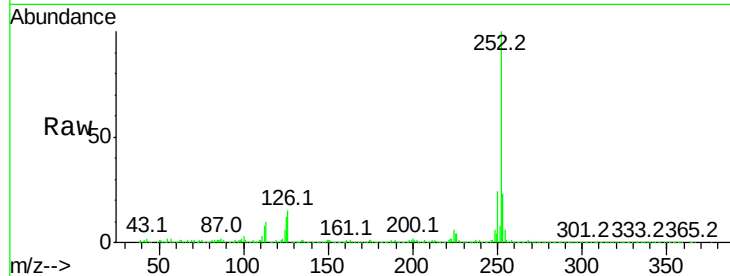
#87
Benzo(b)fluoranthene
Concen: 60.18 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.5	11.4	17.0

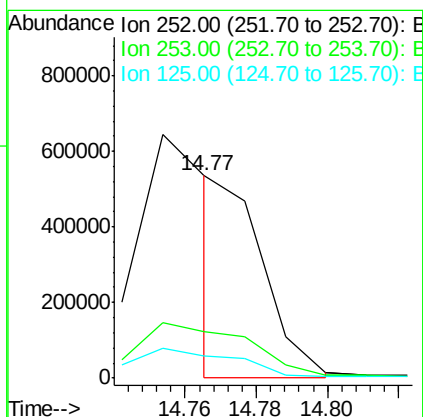
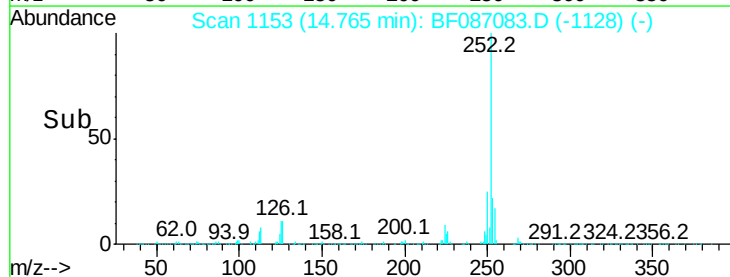
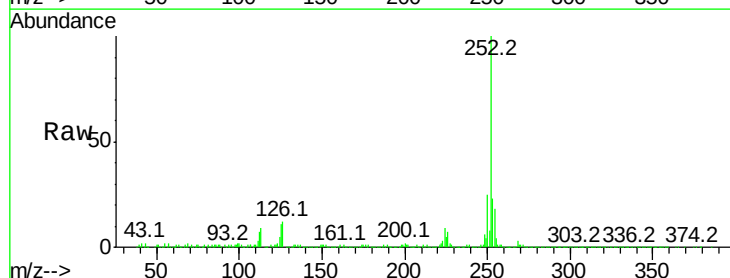
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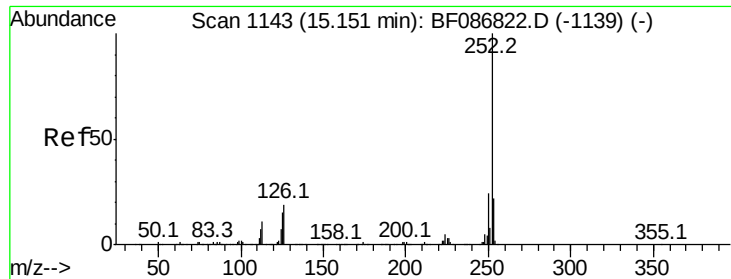
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#88
Benzo(k)fluoranthene
Concen: 31.52 ng m
RT: 14.77 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.3	9.1	13.7





#89

Benzo(a)pyrene

Concen: 39.31 ng/mL

RT: 15.07 min Scan# 1180

Delta R.T. 0.01 min

Lab File: BF087083.D

Acq: 16 May 2016 16:04

Instrument :

BNA_F

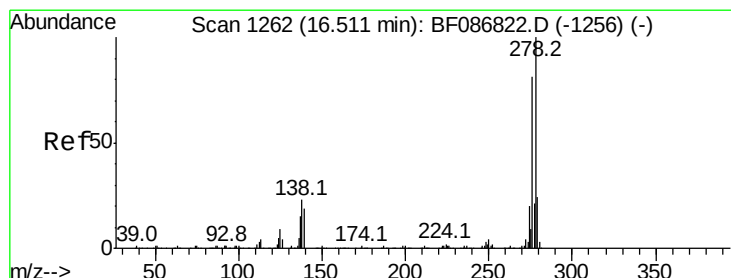
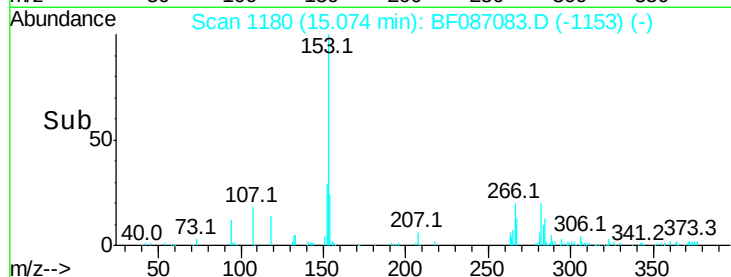
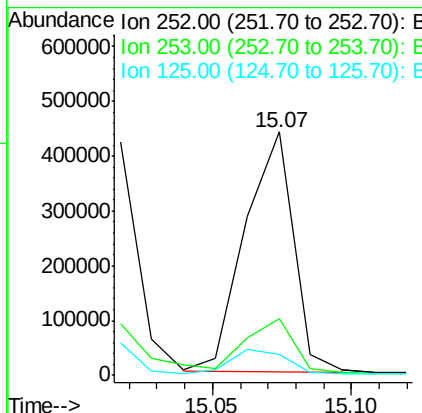
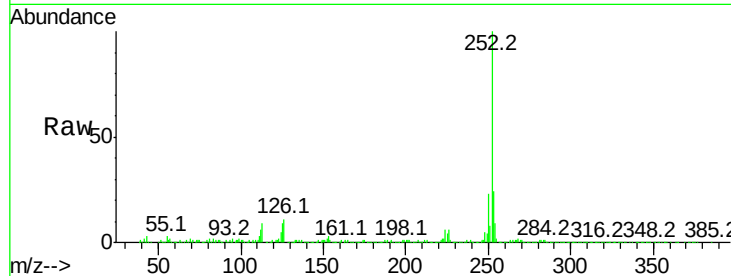
ClientSampleId :

CH-STA-1767-00(0-2)RE

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.5	17.2	25.8	
125	8.5	9.0	13.6	

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#90

Dibenzo(a,h)anthracene

Concen: 9.56 ng/mL

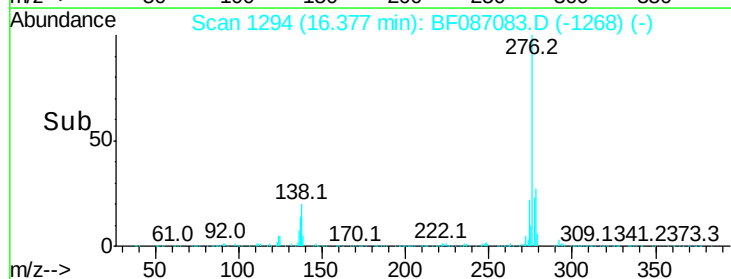
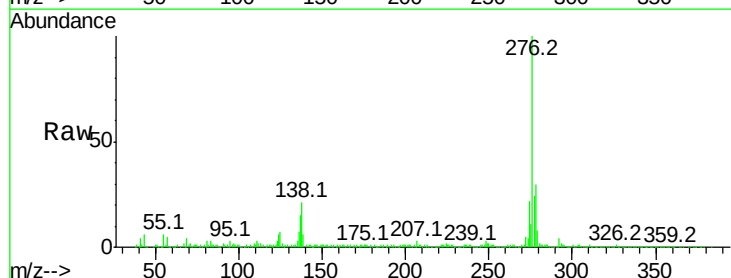
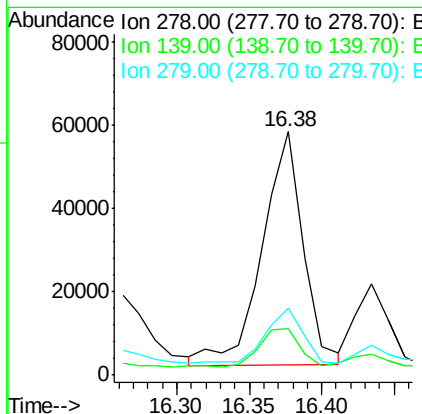
RT: 16.38 min Scan# 1294

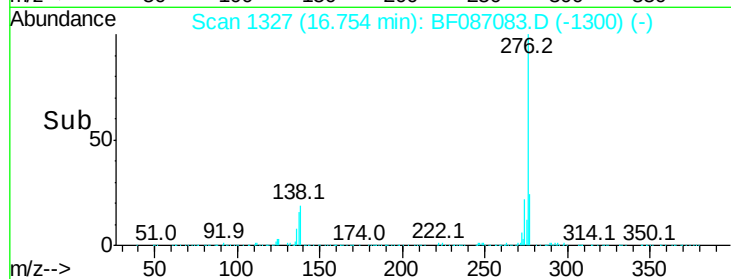
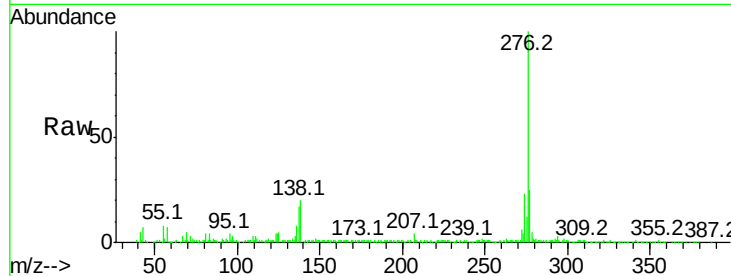
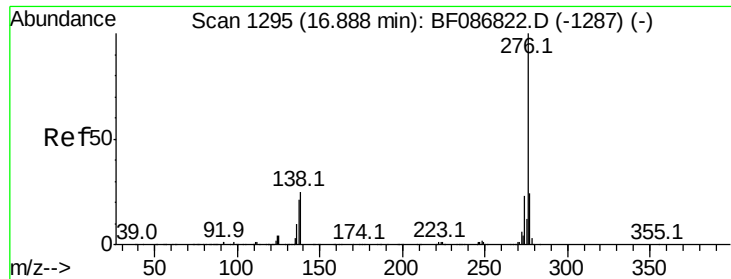
Delta R.T. 0.00 min

Lab File: BF087083.D

Acq: 16 May 2016 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	19.2	16.6	24.8	
279	27.3	19.6	29.4	





#91
 Benzo(a,h,i)perylene
 Concen: 23.20 ng
 RT: 16.75 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF087083.D
 Acq: 16 May 2016 16:04

Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1767-00(0-2)RE

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.6	29.4
138	20.2	23.6	35.4

Manual Integrations
 APPROVED

umangi
 5/17/2016 7:15:24 PM

