

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
 Data File : BF086326.D
 Acq On : 20 Apr 2016 23:34
 Operator : UM/SJ
 Sample : H2601-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RODNEY-AVE-PS(0-2)D

Manual Integrations
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Quant Time: Apr 21 01:55:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 20 15:45:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	236405	20.00	ng	-0.03
21) Naphthalene-d8	8.14	136	865586	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	310266	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	524536	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	382337	20.00	ng	-0.03
86) Perylene-d12	15.46	264	335175	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	617027	45.54	ng	-0.03
7) Phenol-d6	6.49	99	995990	56.17	ng	-0.03
23) Nitrobenzene-d5	7.42	82	545522	36.09	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	258471	106.88	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	1167067	68.71	ng	-0.03
78) Terphenyl-d14	12.97	244	1090592	67.90	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	9.77	152	136071	4.72	ng	98
49) Dimethylphthalate	9.62	163	175919	7.45	ng	98
51) Acenaphthene	9.93	154	98758	5.84	ng	98
54) Dibenzofuran	10.11	168	118036	5.13	ng	96
57) Fluorene	10.45	166	169872	9.97	ng	100
70) Phenanthrene	11.41	178	1967818	79.17	ng	99
71) Anthracene	11.46	178	430528	16.17	ng	99
72) Carbazole	11.62	167	301388	11.96	ng	98
74) Fluoranthene	12.60	202	2575482	111.75	ng	99
77) Pyrene	12.83	202	2289522	80.72	ng	100
80) Benzo(a)anthracene	14.01	228	1212291	60.19	ng	95
82) Chrysene	14.05	228	1120977	51.49	ng	98
85) Indeno(1,2,3-cd)pyrene	16.87	276	547580	24.46	ng	96
87) Benzo(b)fluoranthene	15.05	252	1200968m	61.95	ng	
88) Benzo(k)fluoranthene	15.06	252	538158m	32.98	ng	
89) Benzo(a)pyrene	15.40	252	871646	48.78	ng	98
90) Dibenzo(a,h)anthracene	16.87	278	116718	7.48	ng	# 71
91) Benzo(g,h,i)perylene	17.29	276	497648	33.28	ng	98

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

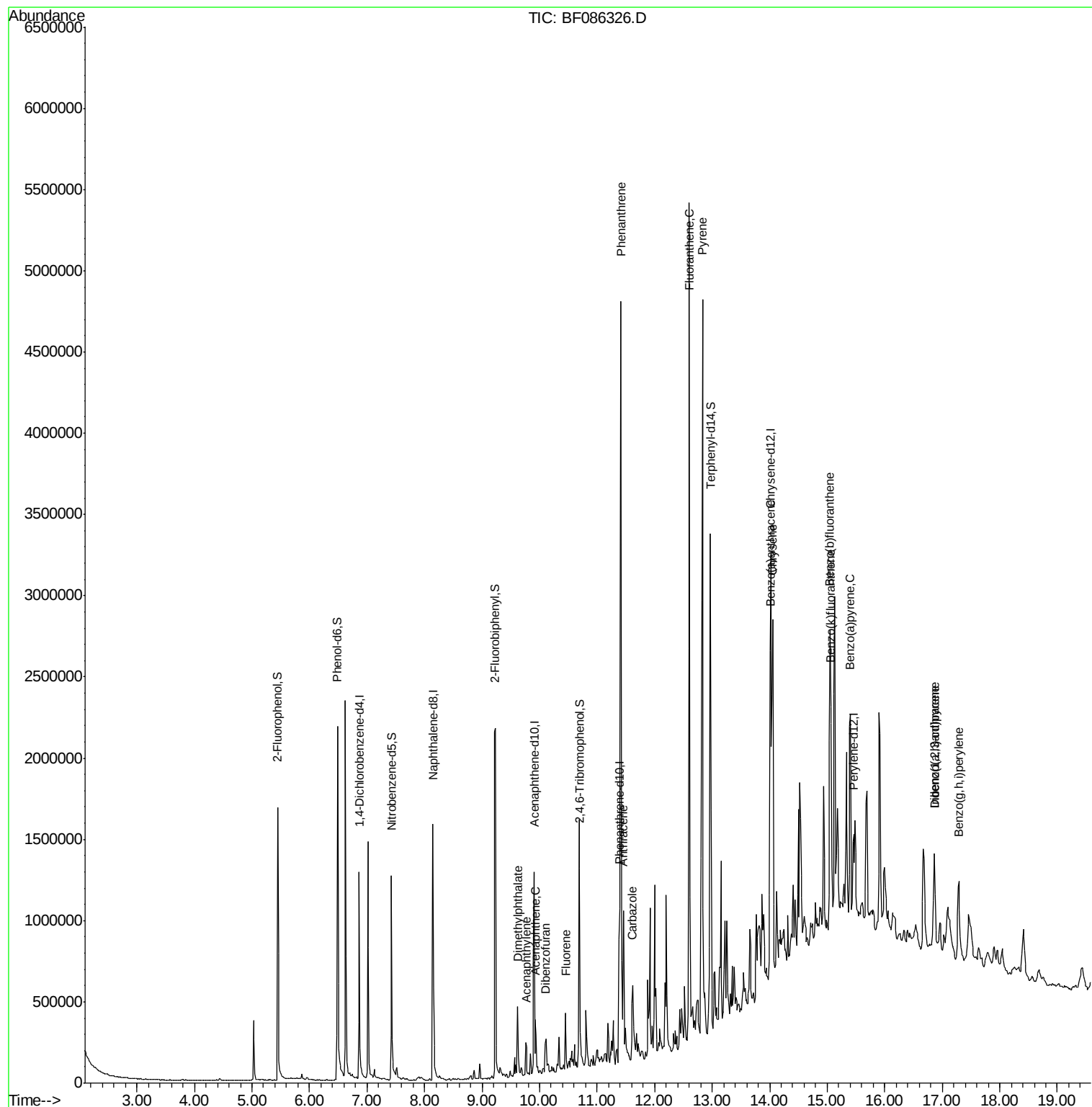
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
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ALS Vial : 28 Sample Multiplier: 1

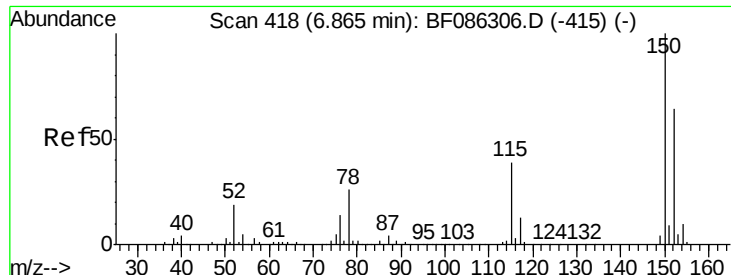
Instrument :
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RODNEY-AVE-PS(0-2)D

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Quant Time: Apr 21 01:55:36 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

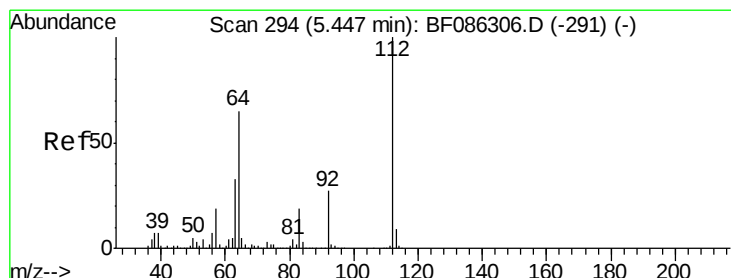
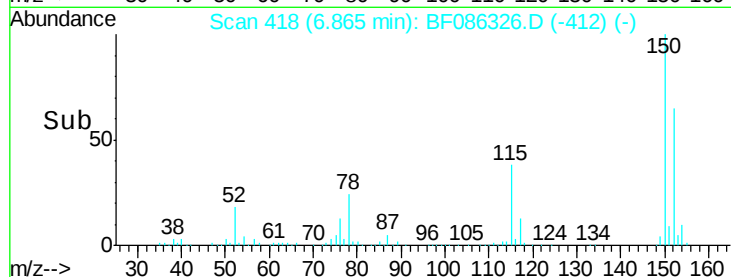
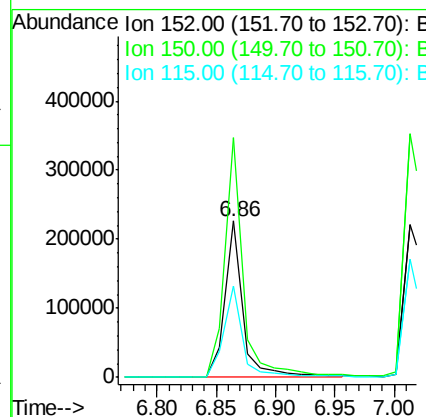
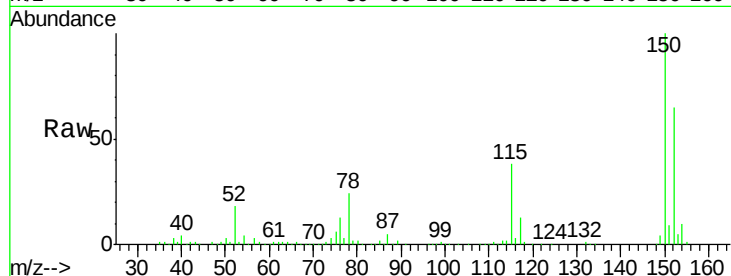
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.03 min
Lab File: BF086326.D
Acq: 20 Apr 2016 23:34

Instrument :
BNA_F
ClientSampleId :
RODNEY-AVE-PS(0-2)D

Tot Ion	Ratio	Resp	Lower	Upper
152	100	236405		
150	154.1	124.1	186.1	
115	58.9	43.9	65.9	

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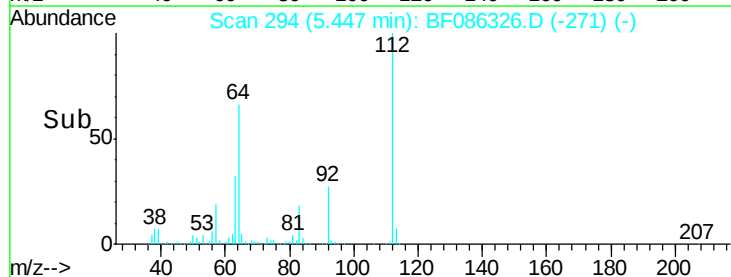
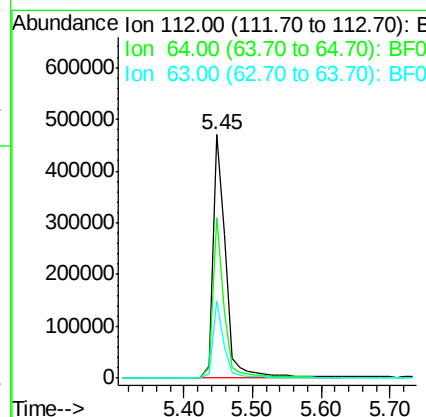
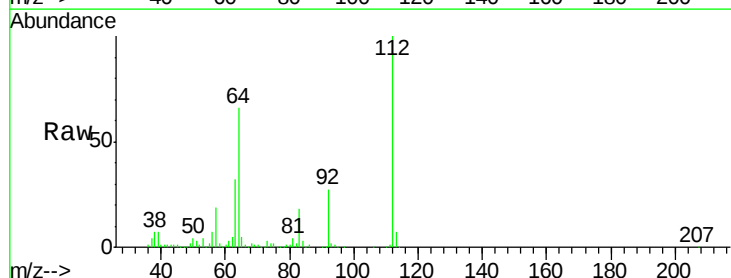
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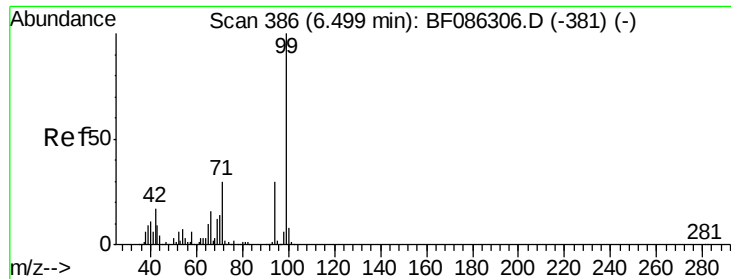


#5

2-Fluorophenol
Concen: 45.54 ng
RT: 5.45 min Scan# 294
Delta R.T. -0.03 min
Lab File: BF086326.D
Acq: 20 Apr 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	617027		
64	65.7	48.1	72.1	
63	31.8	25.5	38.3	





#7

Phenol-d6

Concen: 56.17 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.03 min

Lab File: BF086326.D

Acq: 20 Apr 2016 23:34

Instrument :

BNA_F

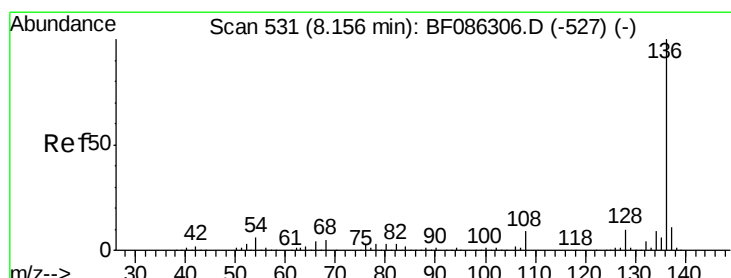
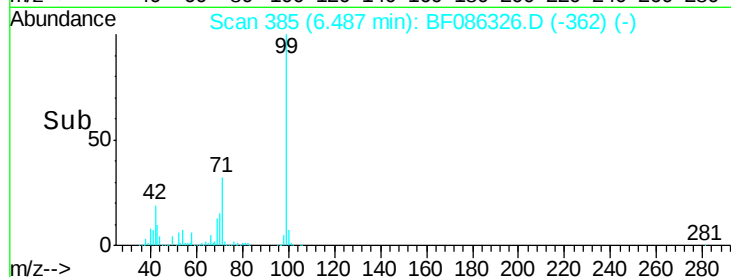
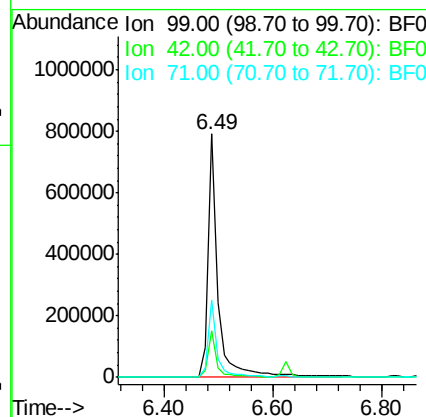
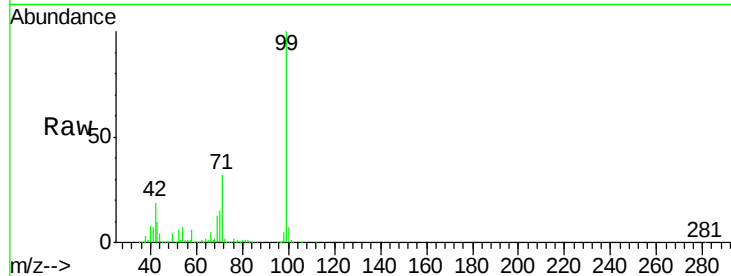
ClientSampleId :

RODNEY-AVE-PS(0-2)D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		995990		
42	19.0	15.4	23.2		
71	31.9	25.6	38.4		

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#21

Naphthalene-d8

Concen: 20.00 ng

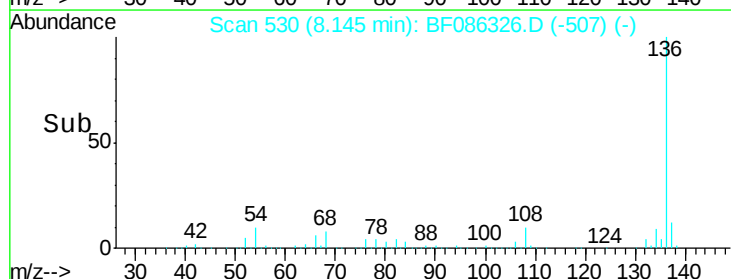
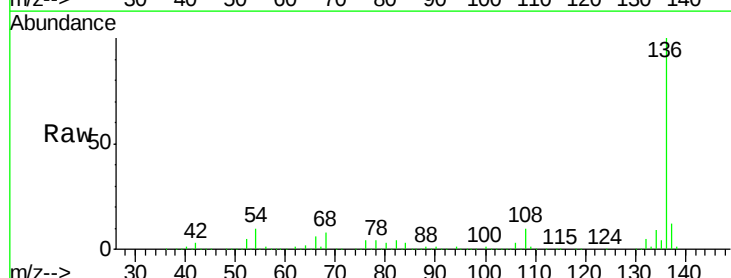
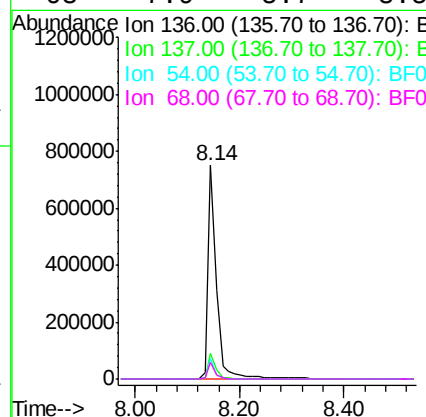
RT: 8.14 min Scan# 530

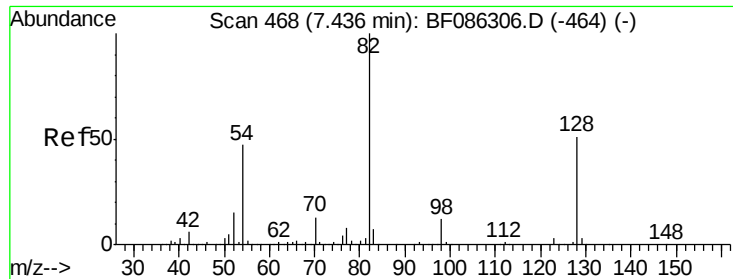
Delta R.T. -0.03 min

Lab File: BF086326.D

Acq: 20 Apr 2016 23:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		865586		
137	11.8	9.1	13.7		
54	9.6	7.3	10.9		
68	7.9	5.7	8.5		





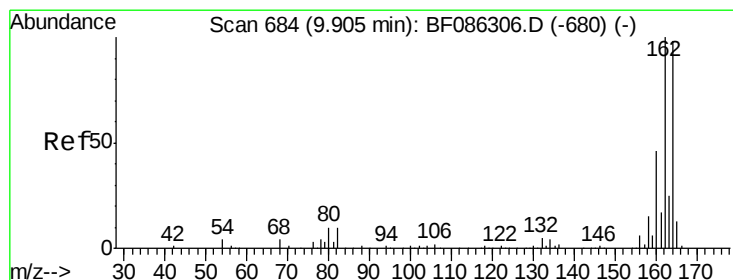
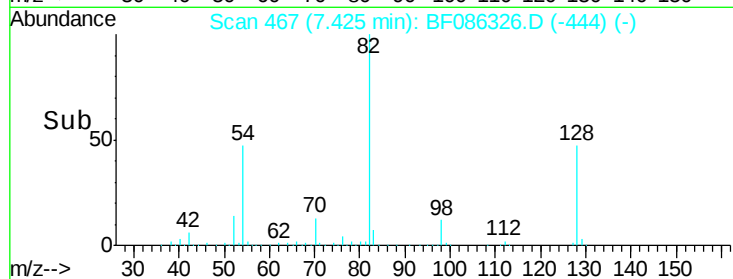
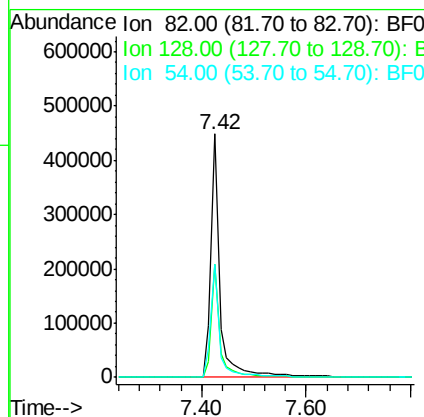
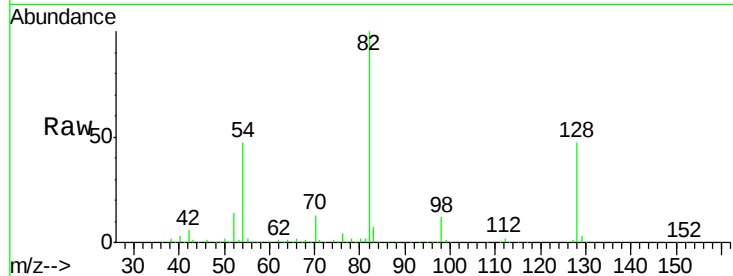
#23
 Nitrobenzene-d5
 Concen: 36.09 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.03 min
 Lab File: BF086326.D
 Acq: 20 Apr 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 RODNEY-AVE-PS(0-2)D

Tot Ion	Ratio	Resp	Lower	Upper
82	100	545522		
128	46.5	35.4	53.2	
54	46.7	43.4	65.0	

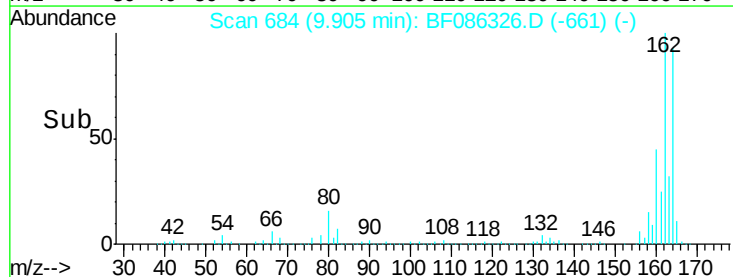
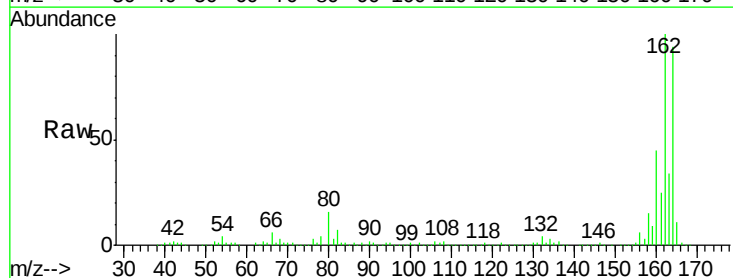
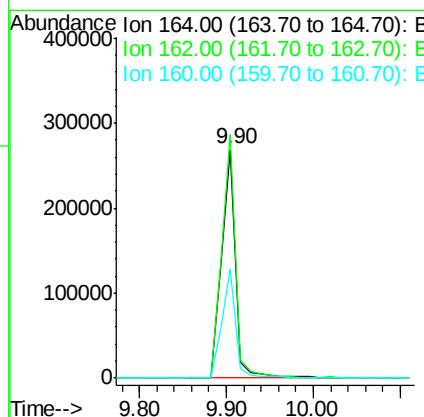
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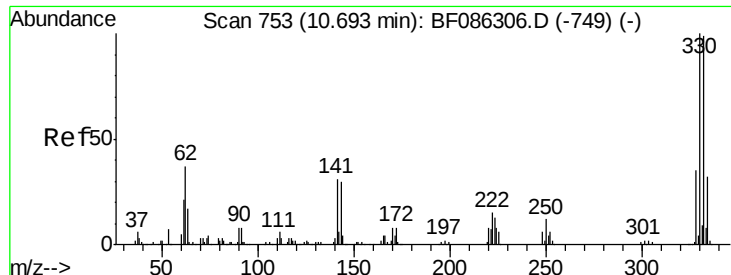
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.03 min
 Lab File: BF086326.D
 Acq: 20 Apr 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	310266		
162	106.4	82.8	124.2	
160	47.7	38.9	58.3	





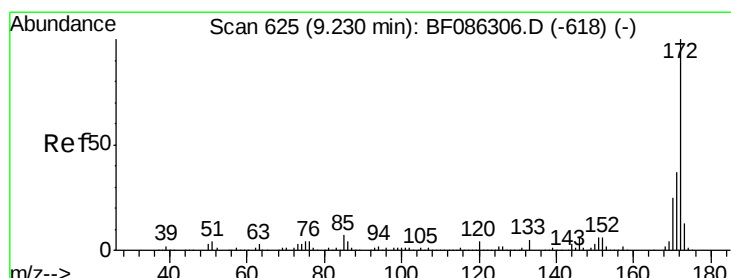
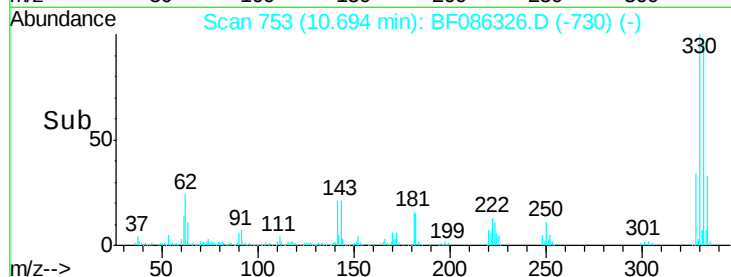
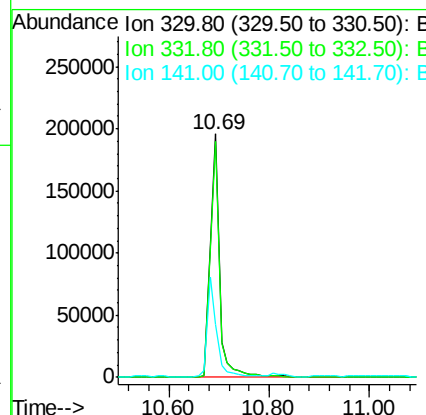
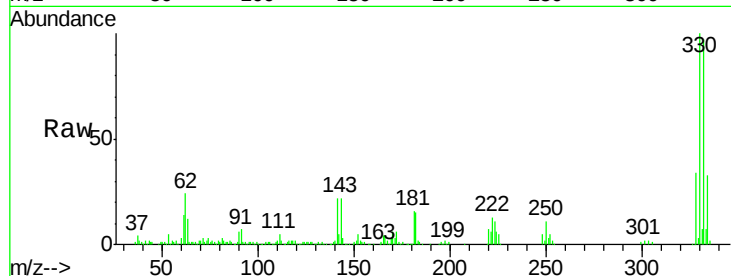
#41
 2,4,6-Tribromophenol
 Concen: 106.88 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.03 min
 Lab File: BF086326.D
 Acq: 20 Apr 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 RODNEY-AVE-PS(0-2)D

Tot Ion	Ratio	Resp	Lower	Upper
330	100	258471		
332	96.9	78.7	118.1	
141	38.6	28.6	42.8	

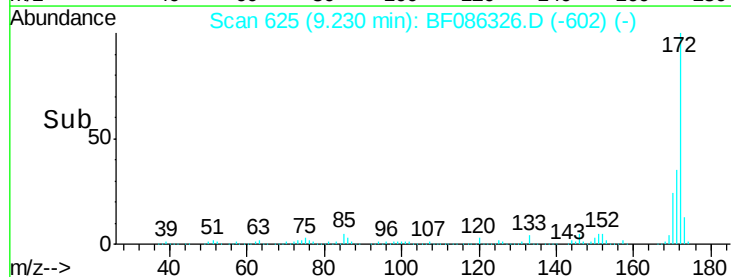
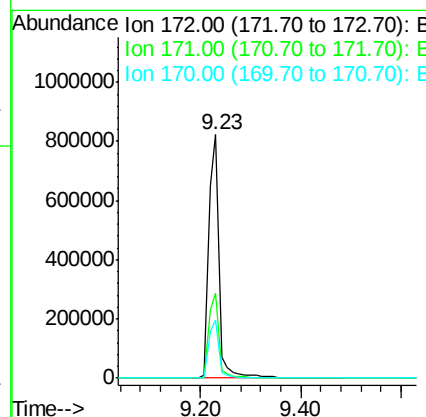
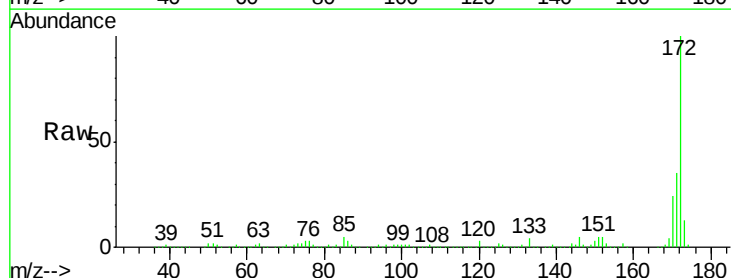
Manual Integrations
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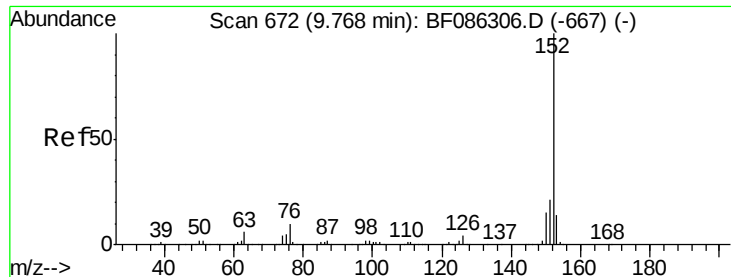
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#44
 2-Fluorobiphenyl
 Concen: 68.71 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF086326.D
 Acq: 20 Apr 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1167067		
171	34.9	29.1	43.7	
170	23.6	19.9	29.9	





#48

Acenaphthylene

Concen: 4.72 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.03 min

Lab File: BF086326.D

Acq: 20 Apr 2016 23:34

Instrument :

BNA_F

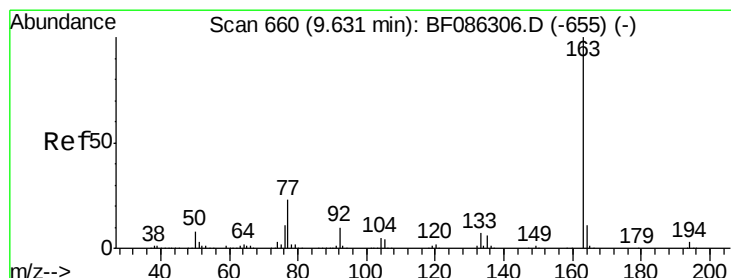
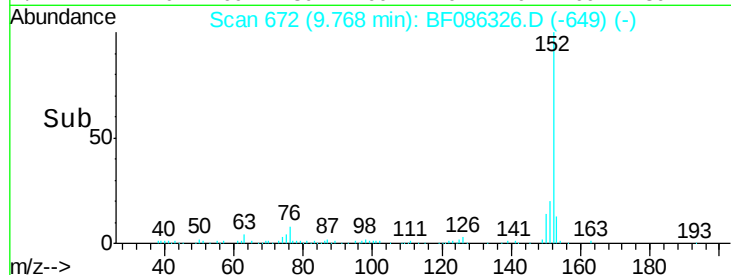
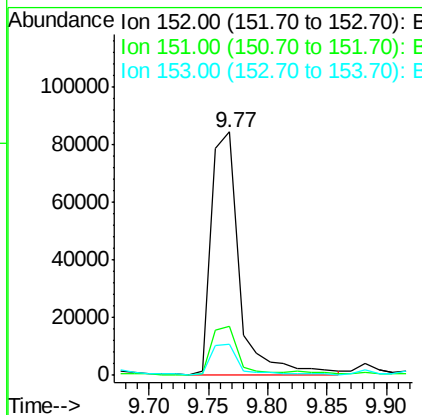
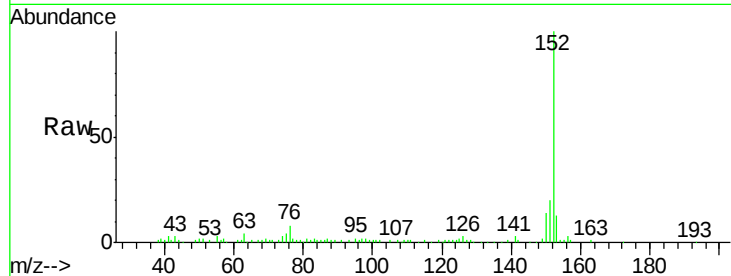
ClientSampleId :

RODNEY-AVE-PS(0-2)D

Tot Ion:	152	Resp:	136071
Ion Ratio	Lower	Upper	
152	100		
151	20.0	17.2	25.8
153	13.0	10.7	16.1

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#49

Dimethylphthalate

Concen: 7.45 ng

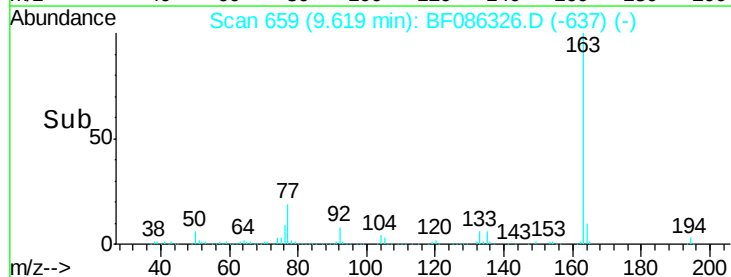
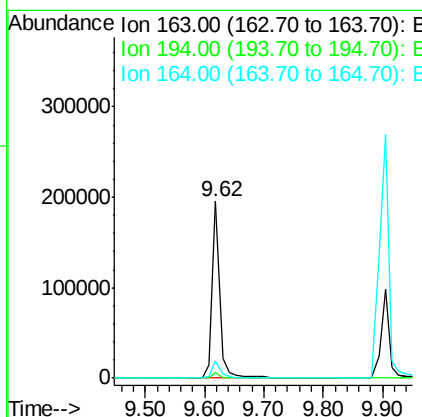
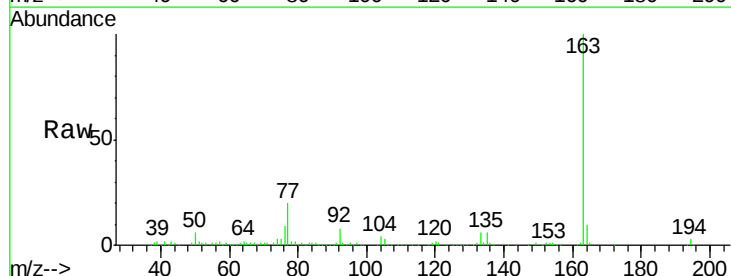
RT: 9.62 min Scan# 659

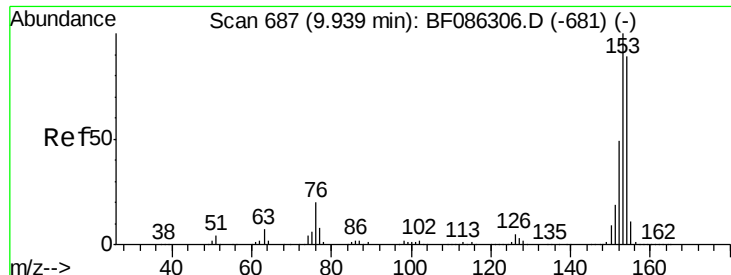
Delta R.T. -0.05 min

Lab File: BF086326.D

Acq: 20 Apr 2016 23:34

Tgt Ion:	163	Resp:	175919
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.8	4.2
164	9.6	8.4	12.6





#51

Acenaphthene

Concen: 5.84 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.05 min

Lab File: BF086326.D

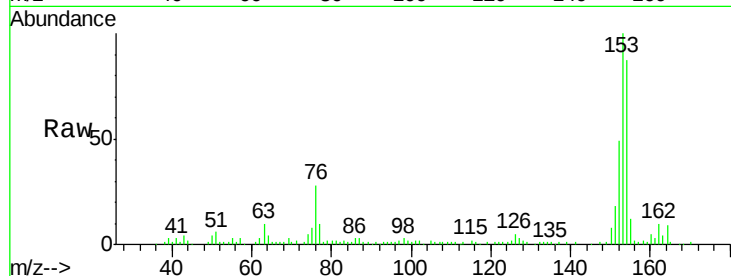
Acq: 20 Apr 2016 23:34

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)D



Tot Ion:154 Resp: 98758

Ion Ratio Lower Upper

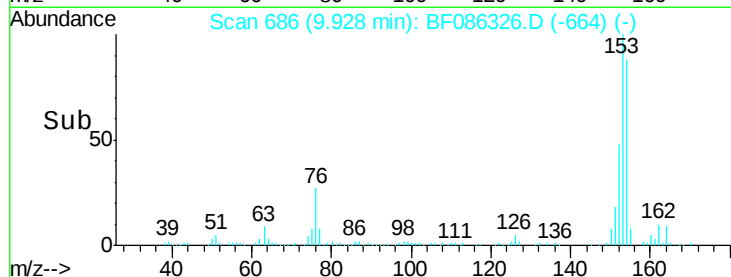
154 100

153 114.8 90.0 135.0

152 55.9 44.3 66.5

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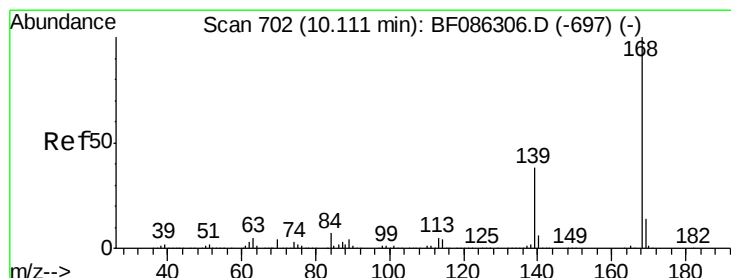
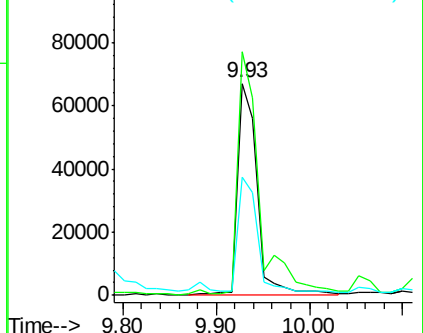
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 5.13 ng

RT: 10.11 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF086326.D

Acq: 20 Apr 2016 23:34

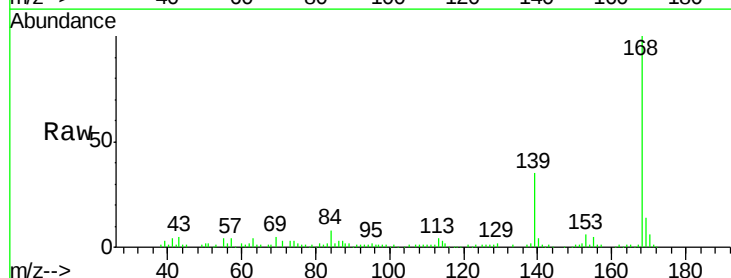
Tgt Ion:168 Resp: 118036

Ion Ratio Lower Upper

168 100

139 34.5 29.5 44.3

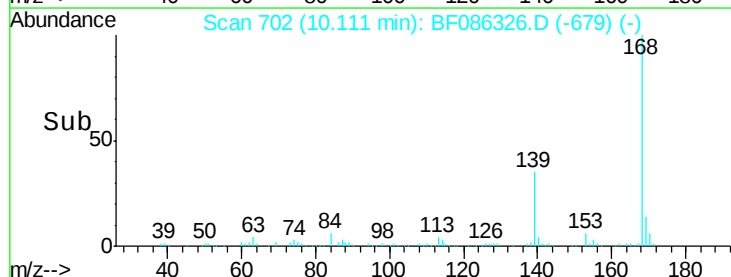
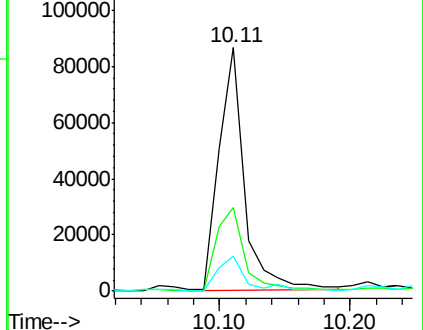
169 14.1 10.6 16.0

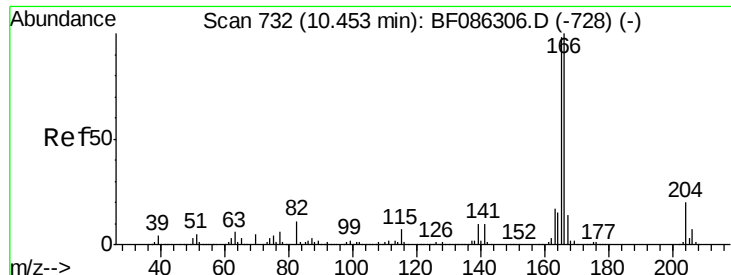


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 9.97 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.03 min

Lab File: BF086326.D

Acq: 20 Apr 2016 23:34

Instrument :

BNA_F

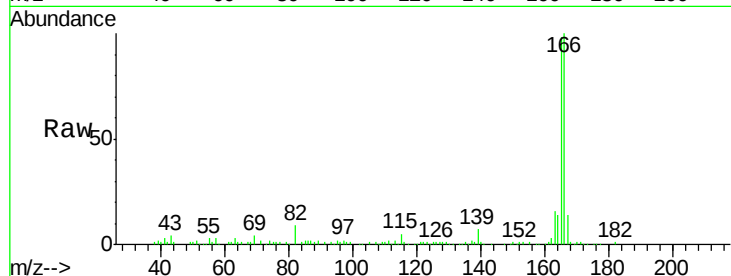
ClientSampleId :

RODNEY-AVE-PS(0-2)D

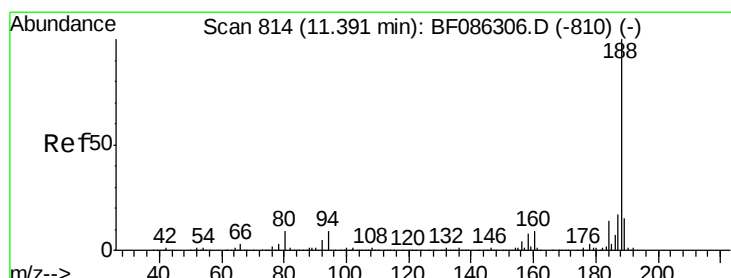
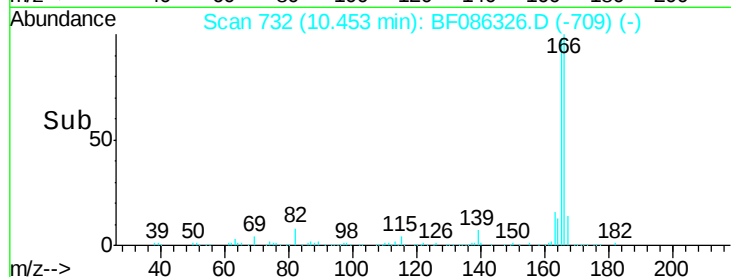
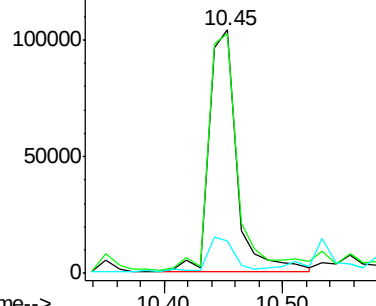
Tot Ion:	166	Resp:	169872
Ion Ratio	Lower	Upper	
166	100		
165	98.4	78.6	117.8
167	13.5	10.4	15.6

Manual Integrations
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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

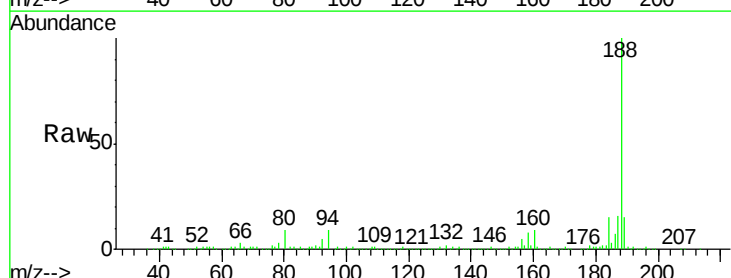
RT: 11.39 min Scan# 814

Delta R.T. -0.02 min

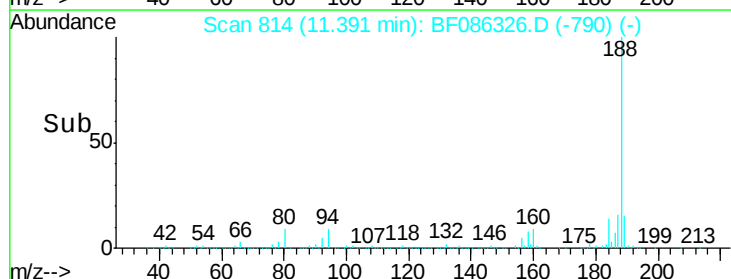
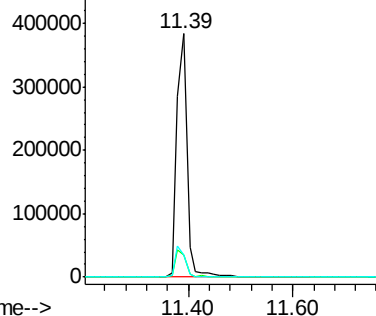
Lab File: BF086326.D

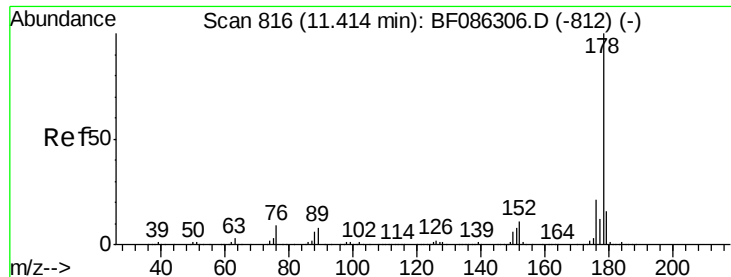
Acq: 20 Apr 2016 23:34

Tgt Ion:	188	Resp:	524536
Ion Ratio	Lower	Upper	
188	100		
94	9.1	9.8	14.8#
80	9.3	10.5	15.7#



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





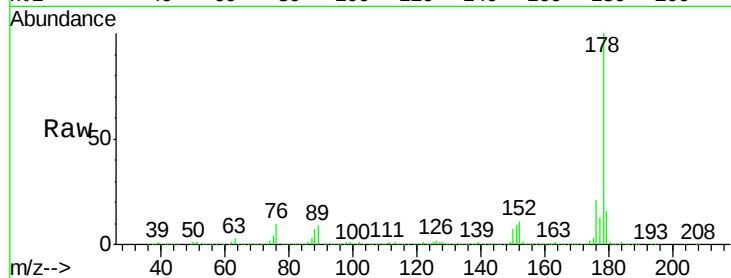
#70
Phenanthrene
Concen: 79.17 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF086326.D
Acq: 20 Apr 2016 23:34

Instrument :
BNA_F
ClientSampleId :
RODNEY-AVE-PS(0-2)D

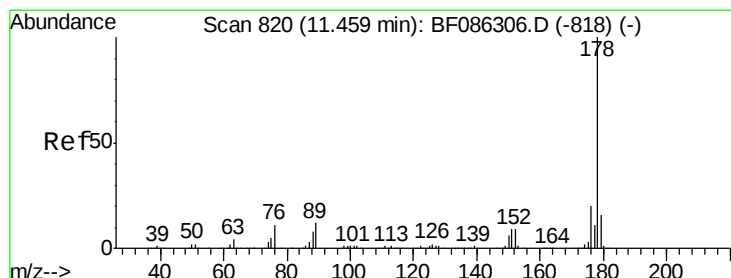
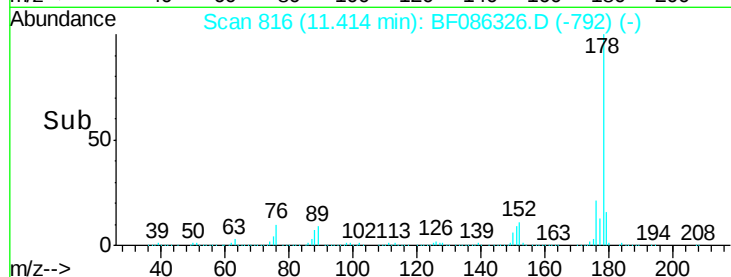
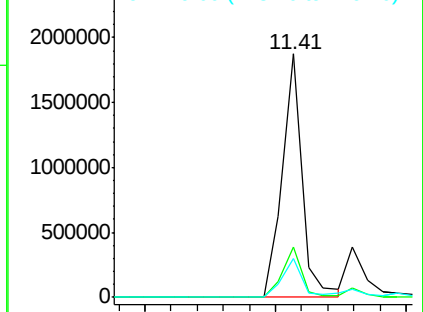
Tot Ion:178 Resp: 1967818
Ion Ratio Lower Upper
178 100
176 20.5 16.3 24.5
179 15.8 13.0 19.6

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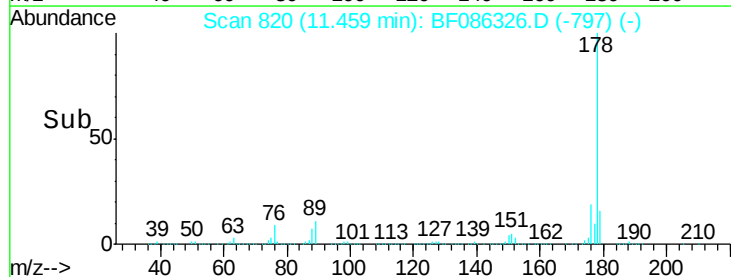
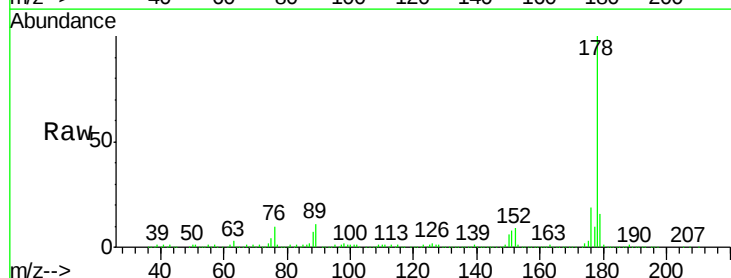
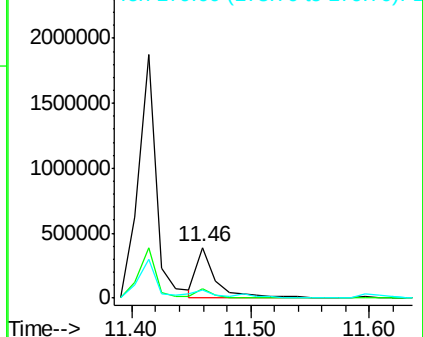
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

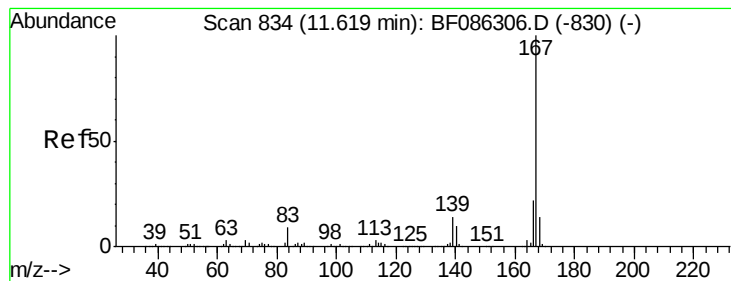


#71
Anthracene
Concen: 16.17 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.03 min
Lab File: BF086326.D
Acq: 20 Apr 2016 23:34

Tgt Ion:178 Resp: 430528
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 16.3 13.2 19.8

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





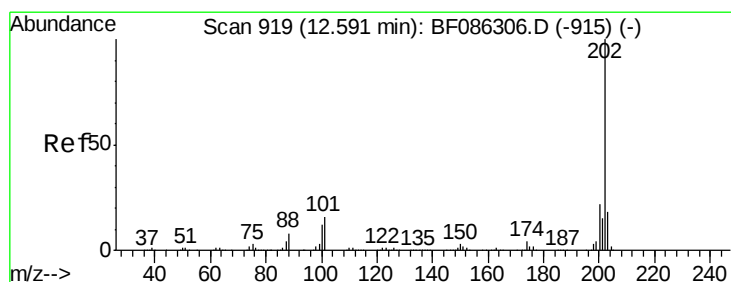
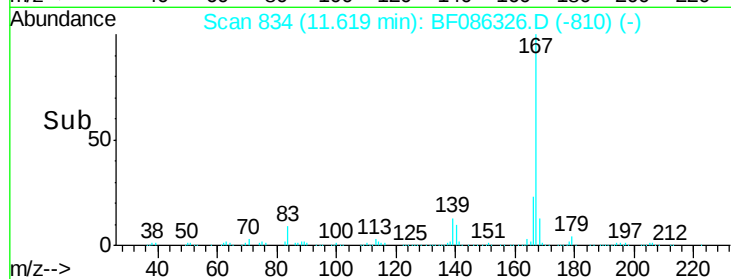
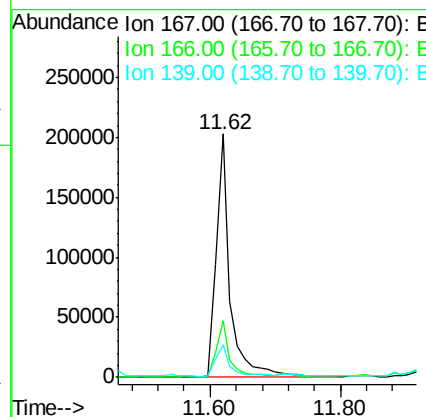
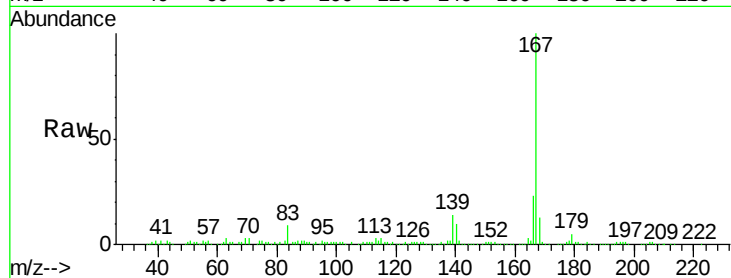
#72
 Carbazole
 Concen: 11.96 ng
 RT: 11.62 min Scan# 834
 Delta R.T. -0.02 min
 Lab File: BF086326.D
 Acq: 20 Apr 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 RODNEY-AVE-PS(0-2)D

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.3	18.3	27.5
139	13.5	12.3	18.5

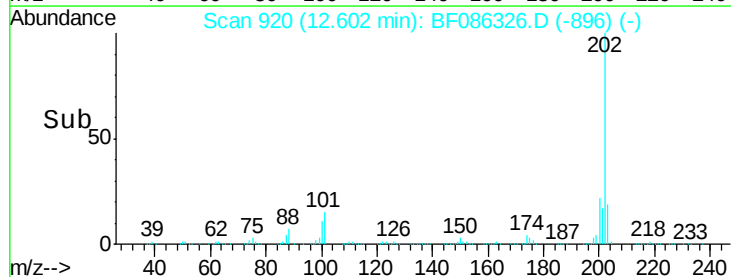
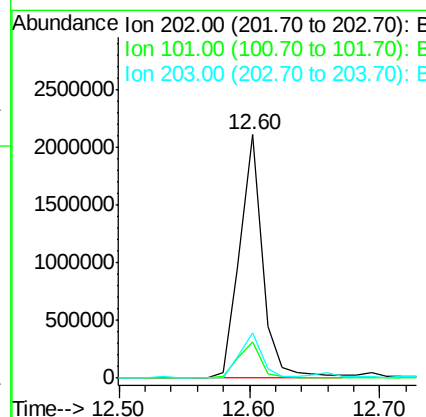
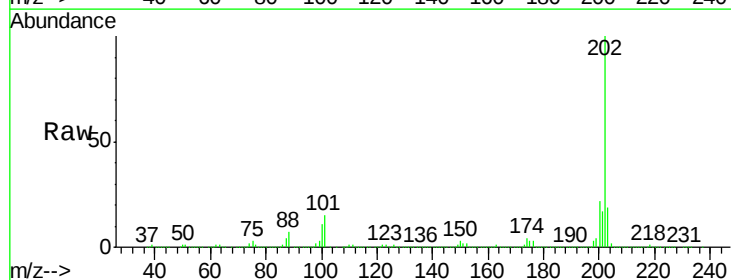
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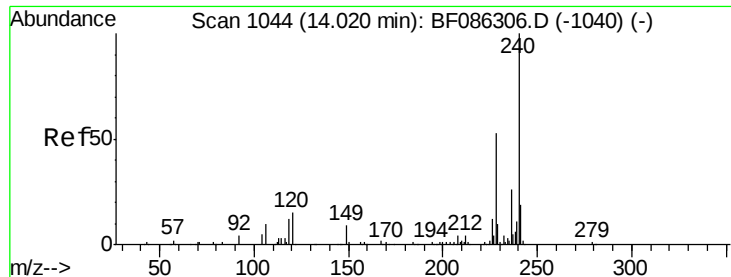
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#74
 Fluoranthene
 Concen: 111.75 ng
 RT: 12.60 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: BF086326.D
 Acq: 20 Apr 2016 23:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	35.2
203	18.7	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF086326.D

Acq: 20 Apr 2016 23:34

Instrument :

BNA_F

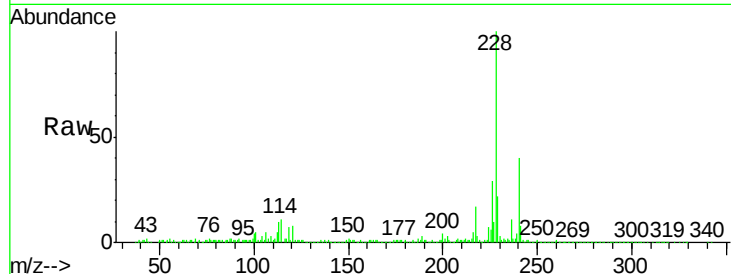
ClientSampled :

RODNEY-AVE-PS(0-2)D

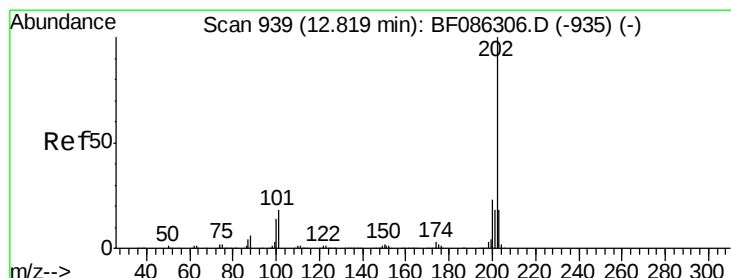
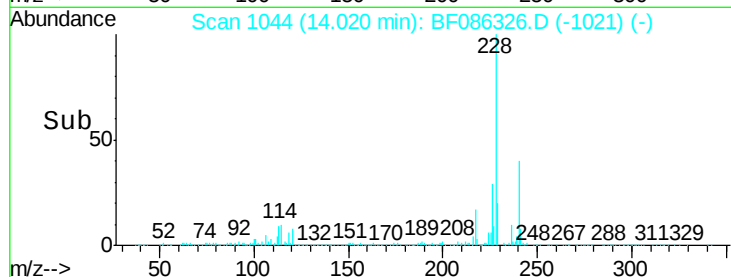
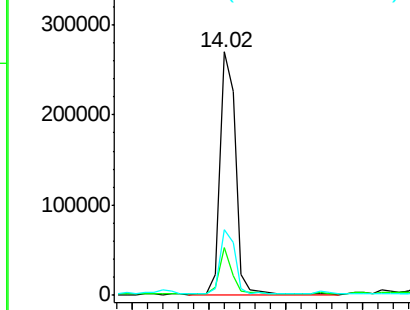
Tot Ion:	240	Resp:	382337
Ion Ratio	Lower	Upper	
240	100		
120	19.8	9.3	13.9#
236	27.0	21.1	31.7

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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

Pyrene

Concen: 80.72 ng

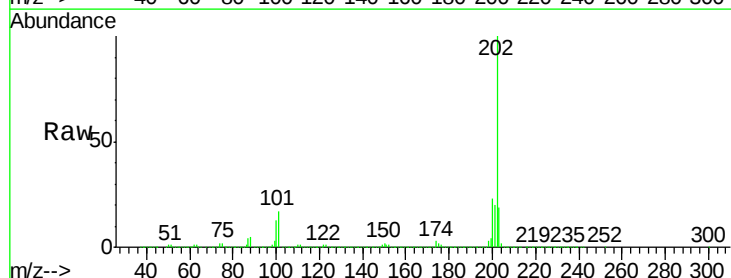
RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

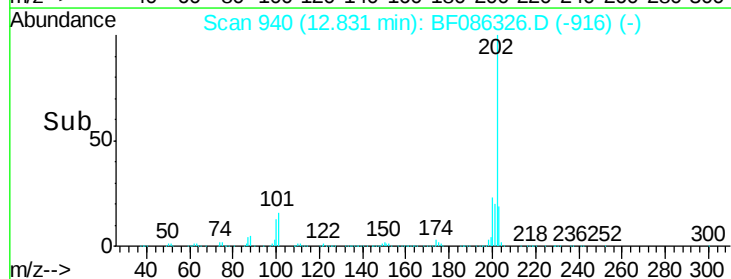
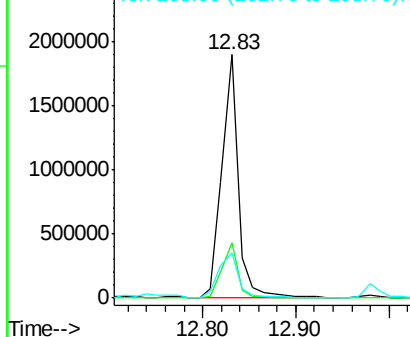
Lab File: BF086326.D

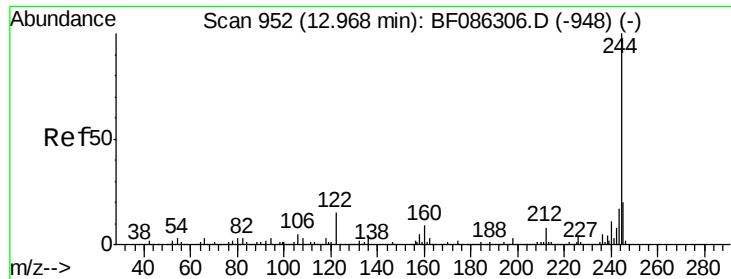
Acq: 20 Apr 2016 23:34

Tgt Ion:	202	Resp:	2289522
Ion Ratio	Lower	Upper	
202	100		
200	22.8	18.3	27.5
203	18.8	14.9	22.3



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 67.90 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.03 min

Lab File: BF086326.D

Acq: 20 Apr 2016 23:34

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)D

Tot Ion:244 Resp: 1090592

Ion Ratio Lower Upper

244 100

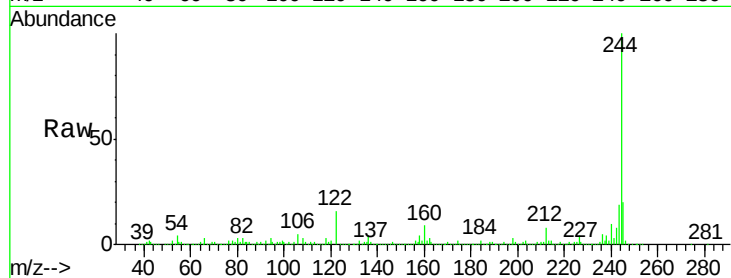
212 7.6 6.4 9.6

122 15.5 11.7 17.5

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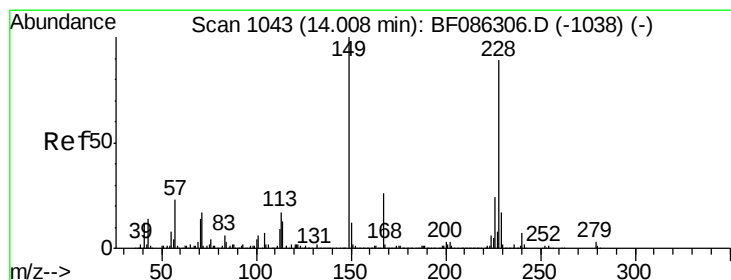
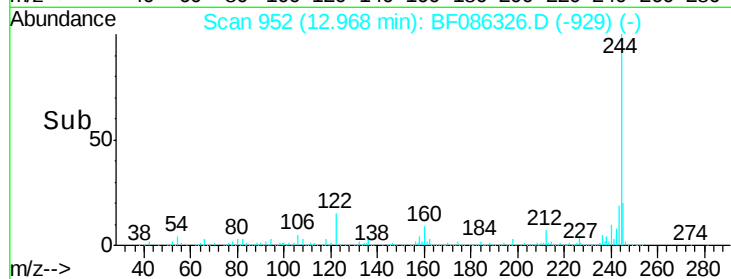
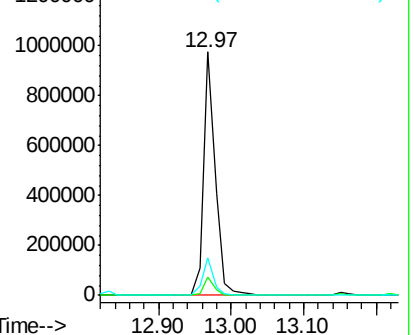
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 60.19 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF086326.D

Acq: 20 Apr 2016 23:34

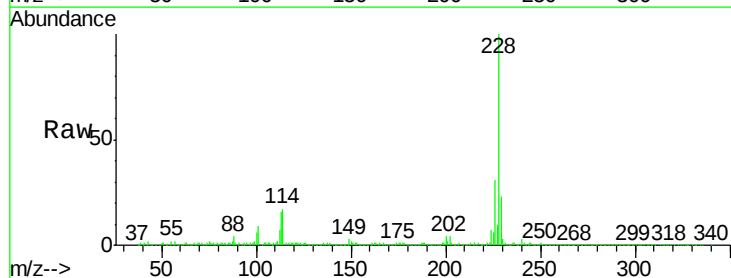
Tgt Ion:228 Resp: 1212291

Ion Ratio Lower Upper

228 100

226 30.5 22.5 33.7

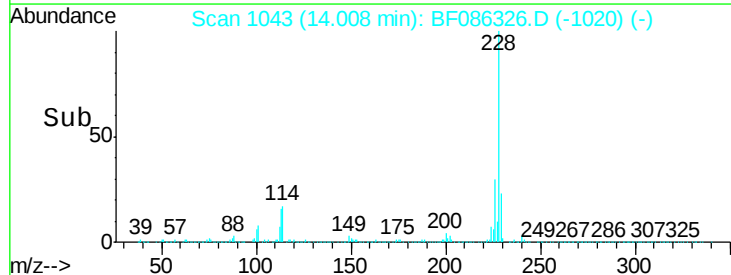
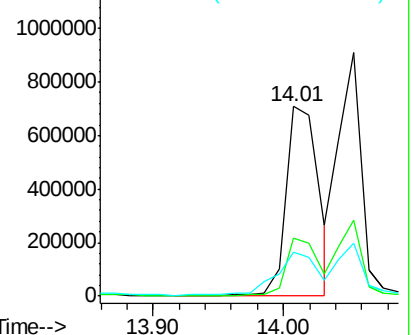
229 23.0 16.2 24.2

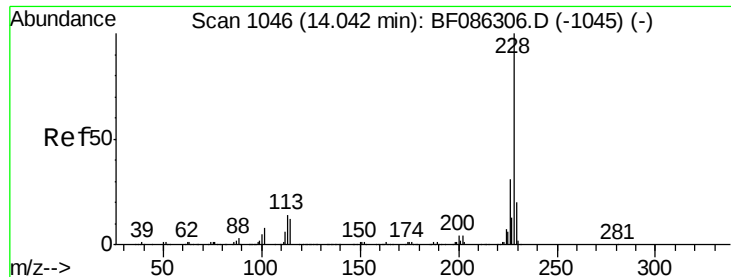


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





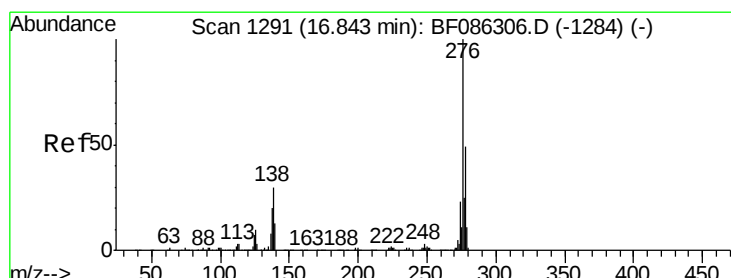
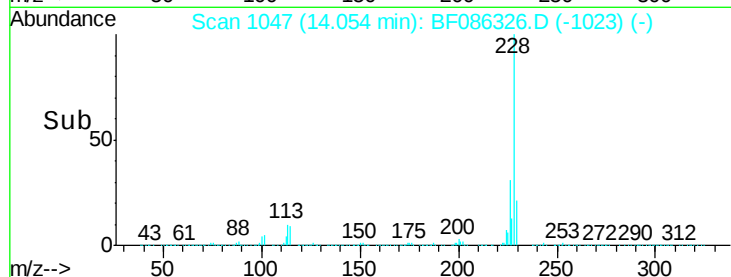
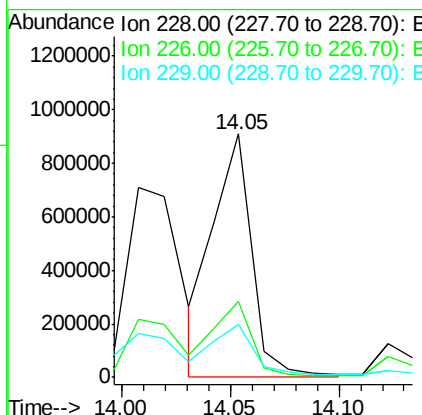
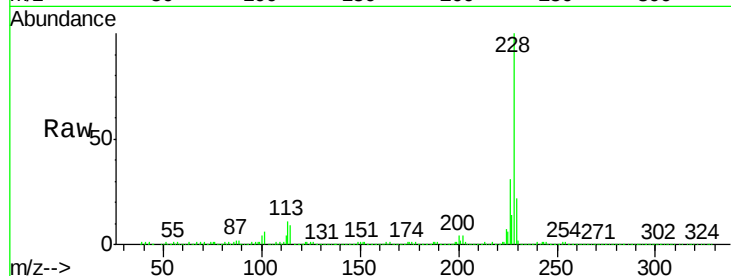
#82
Chrysene
Concen: 51.49 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF086326.D
Acq: 20 Apr 2016 23:34

Instrument :
BNA_F
ClientSampleId :
RODNEY-AVE-PS(0-2)D

Tot Ion:228 Resp: 1120977
Ion Ratio Lower Upper
228 100
226 31.1 25.4 38.2
229 22.0 16.5 24.7

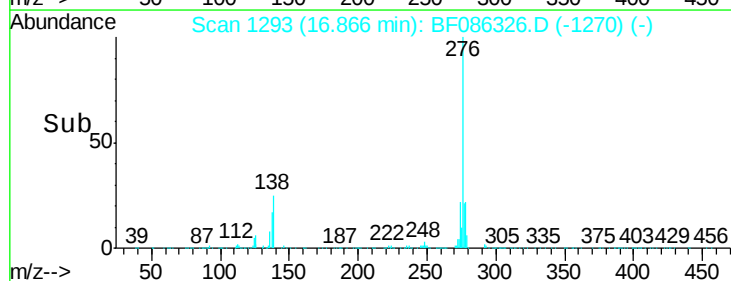
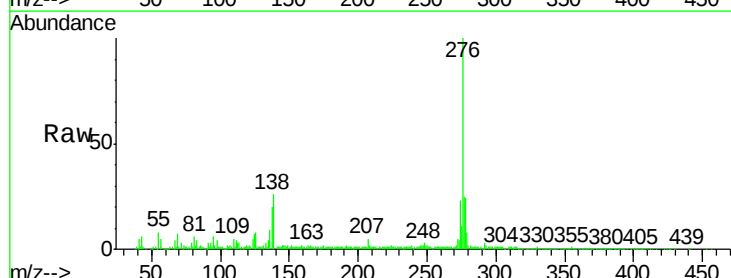
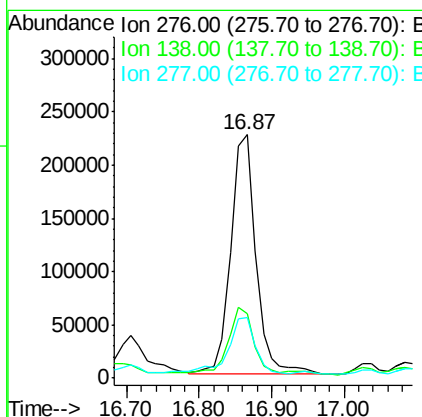
Manual Integrations
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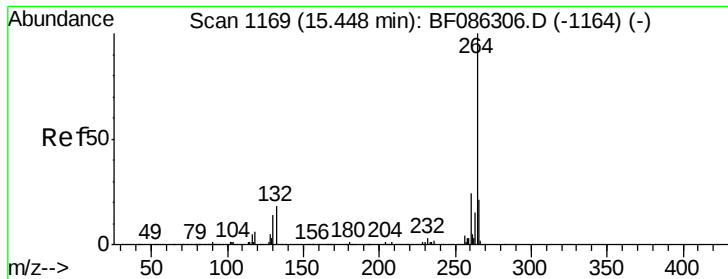
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#85
Indeno(1,2,3-cd)pyrene
Concen: 24.46 ng
RT: 16.87 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BF086326.D
Acq: 20 Apr 2016 23:34

Tgt Ion:276 Resp: 547580
Ion Ratio Lower Upper
276 100
138 26.3 23.8 35.6
277 24.7 20.2 30.2





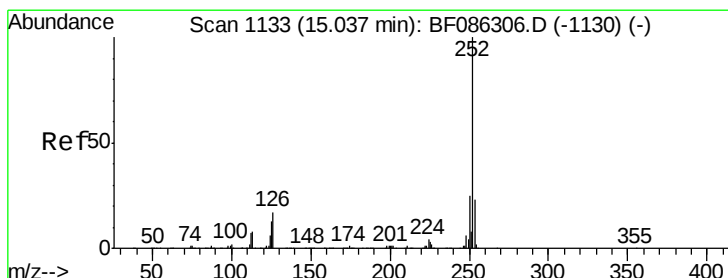
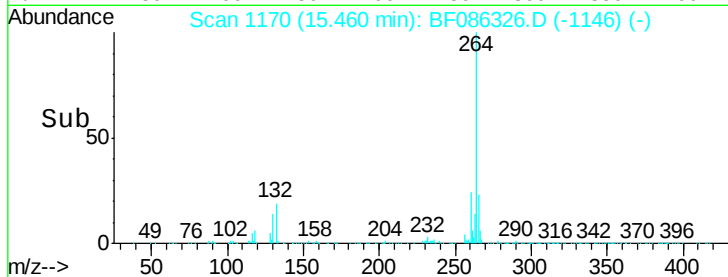
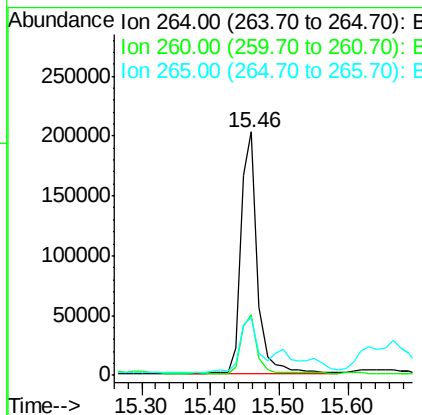
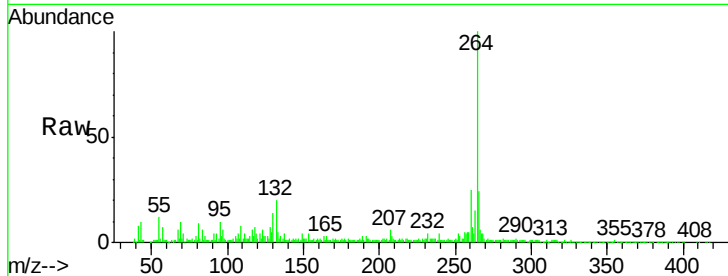
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF086326.D
Acq: 20 Apr 2016 23:34

Instrument :
BNA_F
ClientSampleId :
RODNEY-AVE-PS(0-2)D

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.0	30.0
265	23.8	17.4	26.0

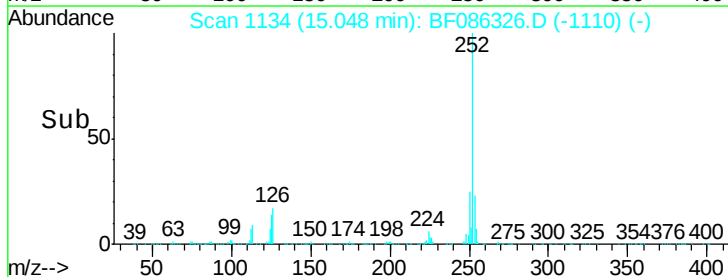
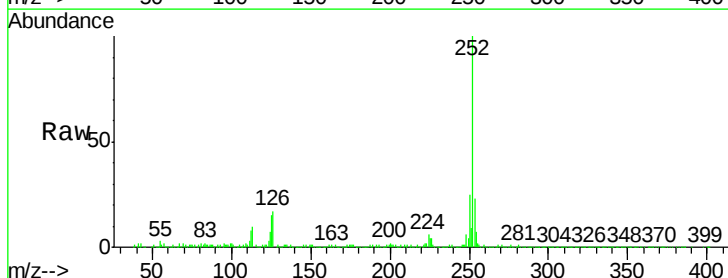
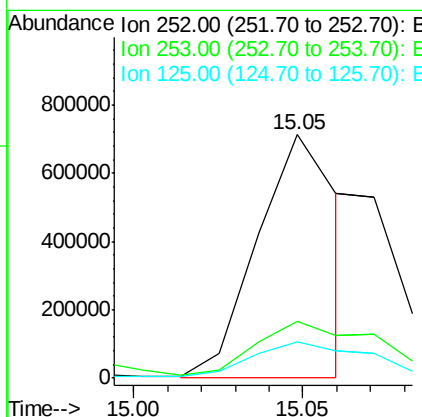
Manual Integrations
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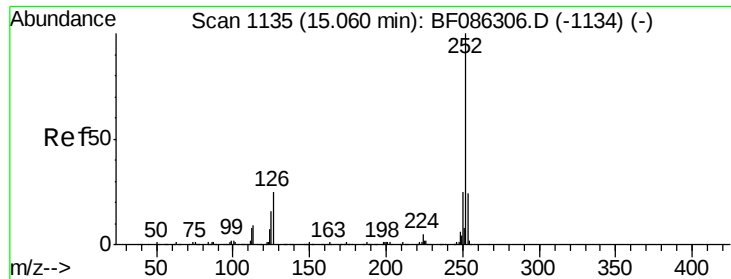
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#87
Benzo(b)fluoranthene
Concen: 61.95 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF086326.D
Acq: 20 Apr 2016 23:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	14.7	10.3	15.5





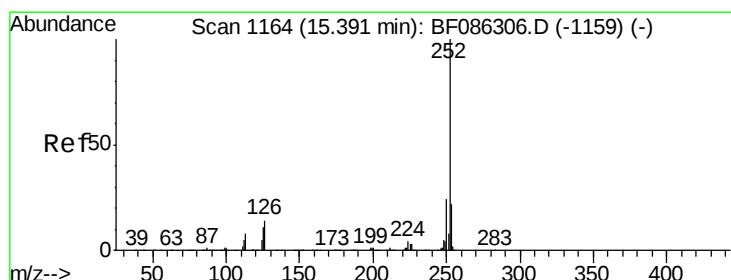
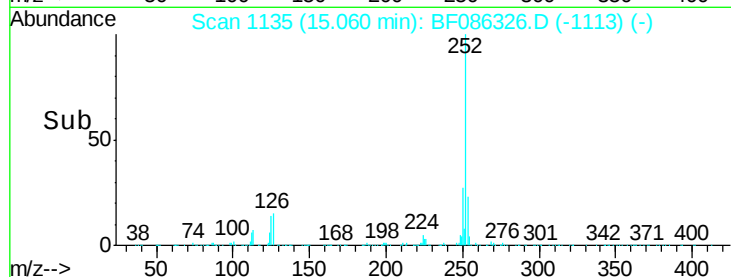
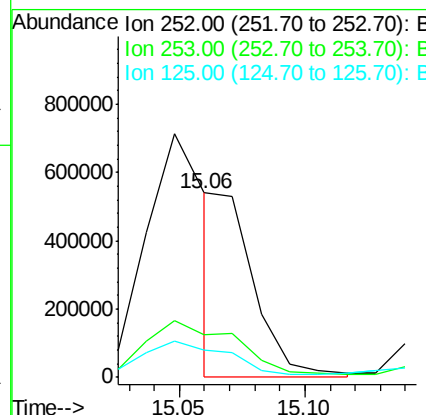
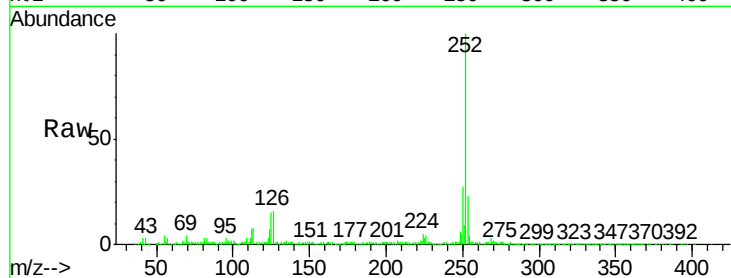
#88
Benzo(k)fluoranthene
Concen: 32.98 ng m
RT: 15.06 min Scan# 1135
Delta R.T. -0.05 min
Lab File: BF086326.D
Acq: 20 Apr 2016 23:34

Instrument :
BNA_F
ClientSampleId :
RODNEY-AVE-PS(0-2)D

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.4	17.5	26.3	
125	14.7	7.8	11.6	

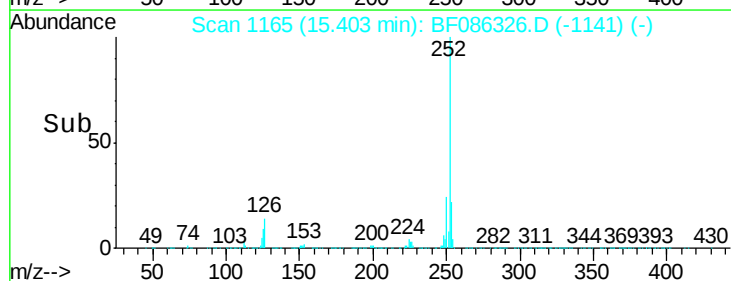
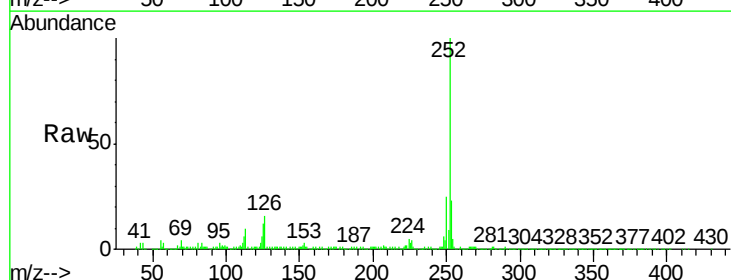
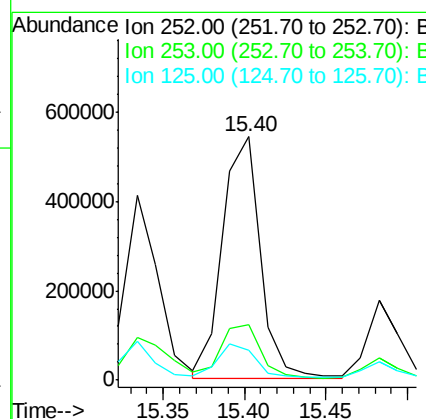
Manual Integrations
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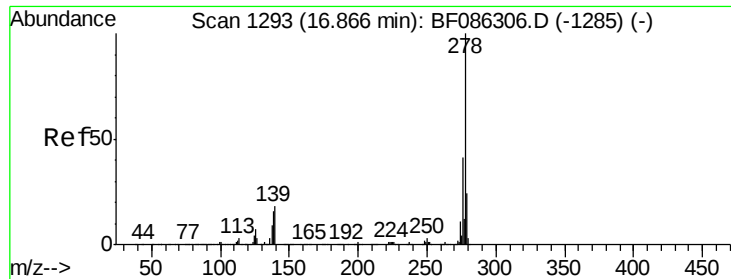
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#89
Benzo(a)pyrene
Concen: 48.78 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.02 min
Lab File: BF086326.D
Acq: 20 Apr 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.8	17.8	26.8	
125	12.2	11.2	16.8	





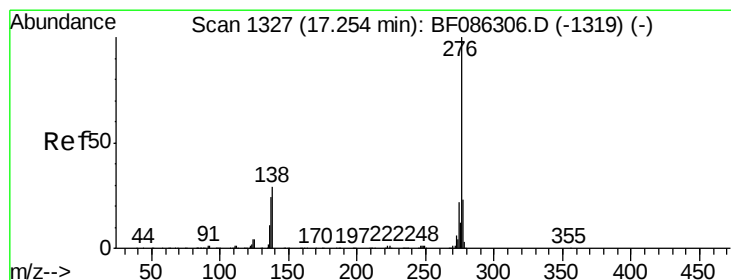
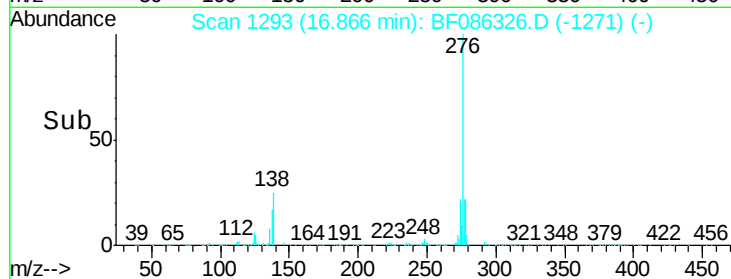
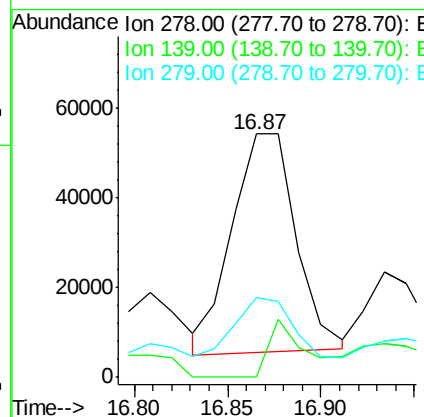
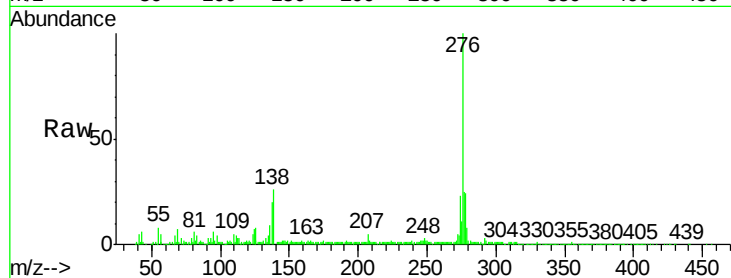
#90
Dibenzo(a,h)anthracene
Concen: 7.48 ng
RT: 16.87 min Scan# 1293
Delta R.T. -0.05 min
Lab File: BF086326.D
Acq: 20 Apr 2016 23:34

Instrument :
BNA_F
ClientSampleId :
RODNEY-AVE-PS(0-2)D

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.3	22.9#
279	32.8	19.1	28.7#

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#91
Benzo(g,h,i)perylene
Concen: 33.28 ng
RT: 17.29 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BF086326.D
Acq: 20 Apr 2016 23:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.6
138	26.3	19.6	29.4

