

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
 Data File : BF086323.D
 Acq On : 20 Apr 2016 22:08
 Operator : UM/SJ
 Sample : H2601-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 4/21/2016 7:10:52 PM

Quant Time: Apr 21 01:45:05 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	276229	20.00	ng	-0.03
21) Naphthalene-d8	8.14	136	1093937	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	416330	20.00	ng	-0.03
63) Phenanthrene-d10	11.38	188	621458	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	465549	20.00	ng	-0.03
86) Perylene-d12	15.45	264	405361	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1552685	98.07	ng	-0.02
7) Phenol-d6	6.49	99	1985944	95.86	ng	-0.03
23) Nitrobenzene-d5	7.42	82	1281031	67.07	ng	-0.03
41) 2,4,6-Tribromophenol	10.68	330	318139	98.04	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	1920093	89.11	ng	-0.03
78) Terphenyl-d14	12.97	244	1088640	55.66	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	267061	8.43	ng	99
70) Phenanthrene	11.40	178	358047	12.16	ng	99
71) Anthracene	11.46	178	128386	4.07	ng	96
72) Carbazole	11.62	167	87598	2.94	ng	98
74) Fluoranthene	12.59	202	777737	28.48	ng	97
77) Pyrene	12.82	202	676414	19.59	ng	99
80) Benzo(a)anthracene	14.01	228	359883	14.68	ng	95
82) Chrysene	14.04	228	377545m	14.24	ng	
85) Indeno(1,2,3-cd)pyrene	16.83	276	216507	7.94	ng	93
87) Benzo(b)fluoranthene	15.04	252	457757m	19.52	ng	
88) Benzo(k)fluoranthene	15.05	252	191587m	9.71	ng	
89) Benzo(a)pyrene	15.38	252	328297	15.19	ng	# 96
90) Dibenzo(a,h)anthracene	16.84	278	47705	2.53	ng	# 80
91) Benzo(a,h,i)perylene	17.25	276	205622	11.37	ng	# 92

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

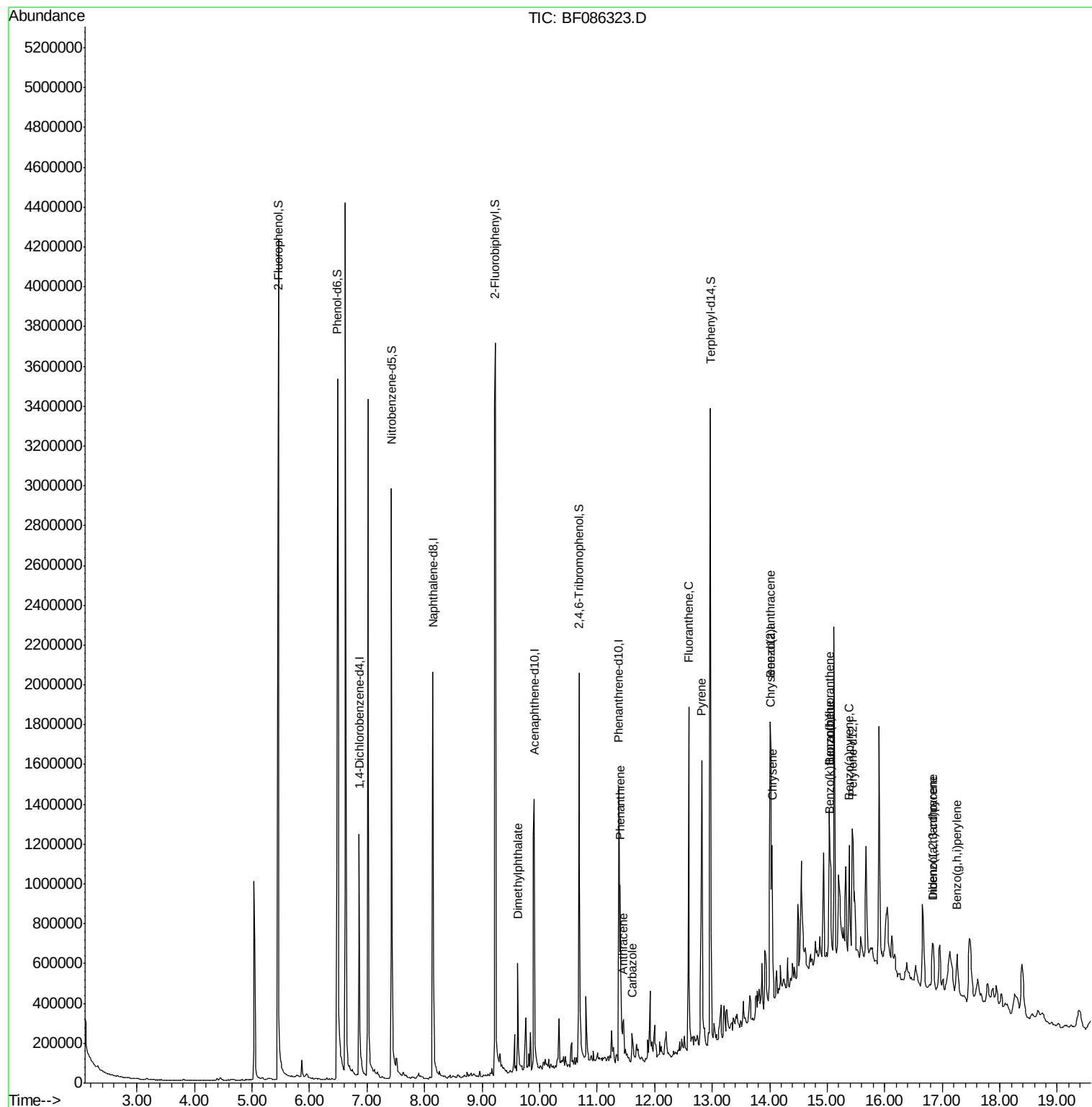
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
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ALS Vial : 25 Sample Multiplier: 1

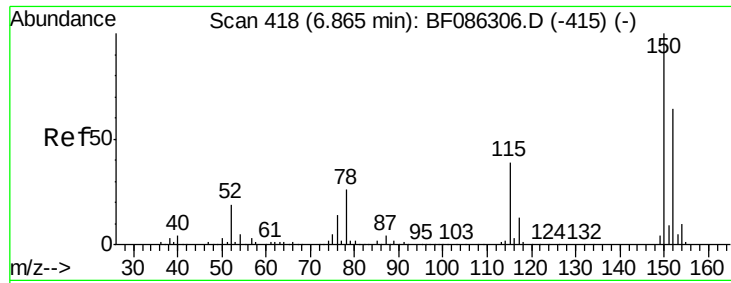
Instrument :
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RODNEY-AVE-PS(0-2)A

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#1

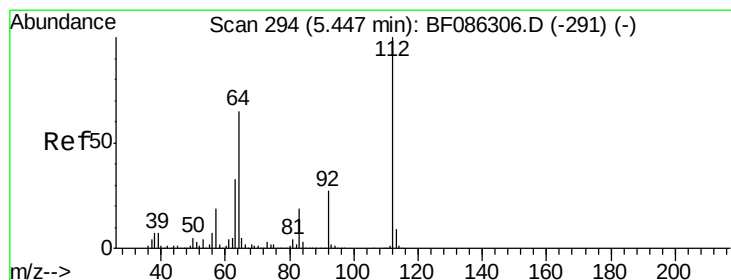
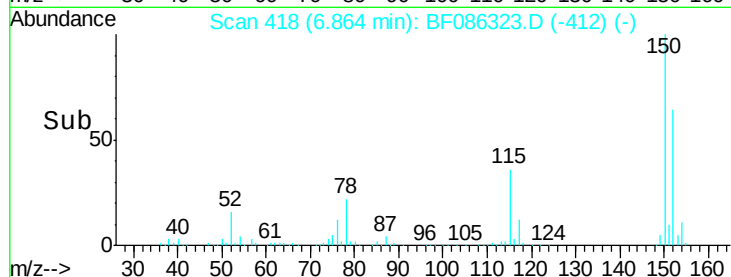
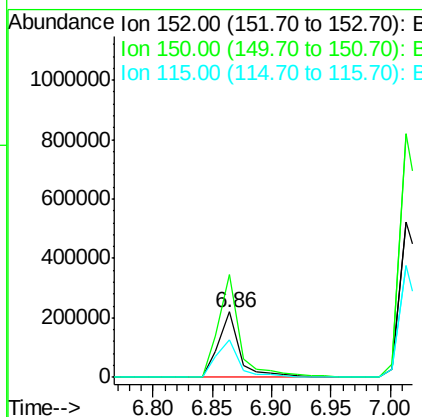
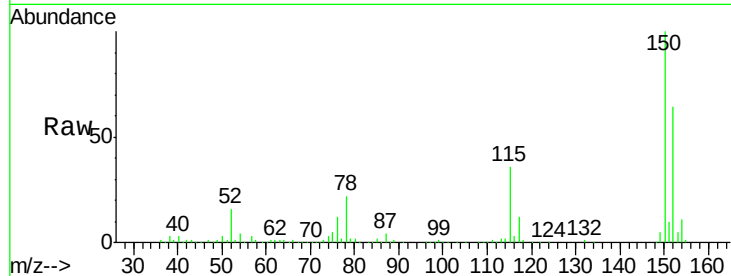
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.03 min
Lab File: BF086323.D
Acq: 20 Apr 2016 22:08

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.1	186.1
115	57.0	43.9	65.9

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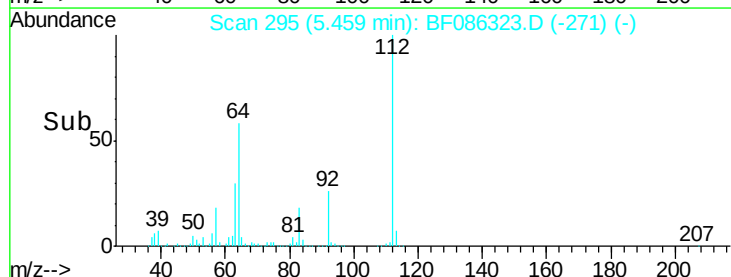
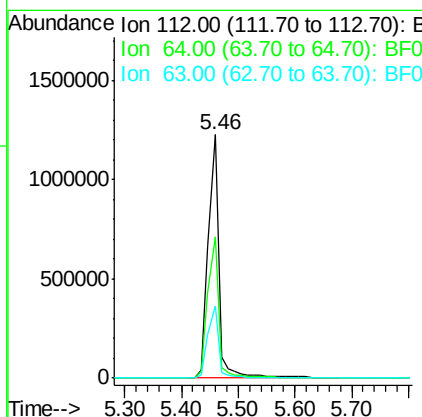
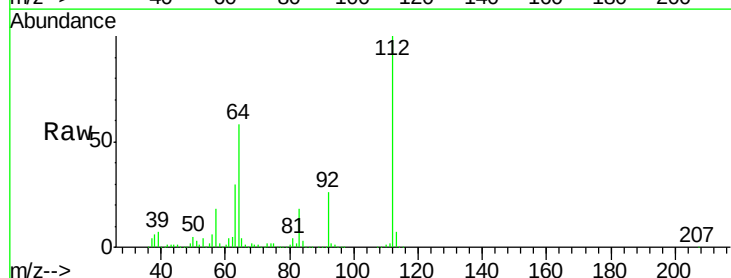
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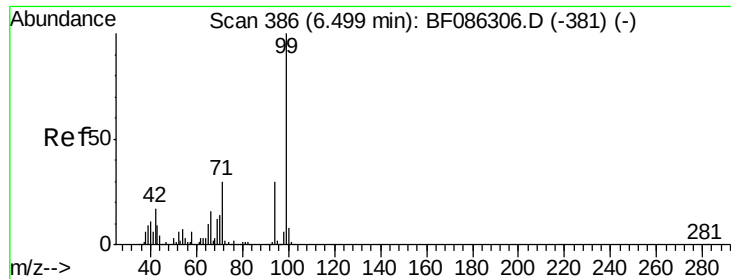


#5

2-Fluorophenol
Concen: 98.07 ng
RT: 5.46 min Scan# 295
Delta R.T. -0.02 min
Lab File: BF086323.D
Acq: 20 Apr 2016 22:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	48.1	72.1
63	29.8	25.5	38.3





#7

Phenol-d6

Concen: 95.86 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.03 min

Lab File: BF086323.D

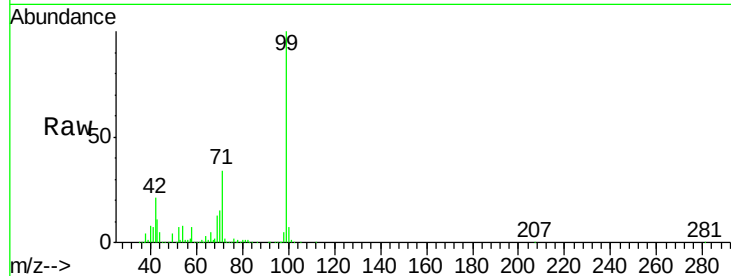
Acq: 20 Apr 2016 22:08

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)A



Tot Ion: 99 Resp: 1985944

Ion Ratio Lower Upper

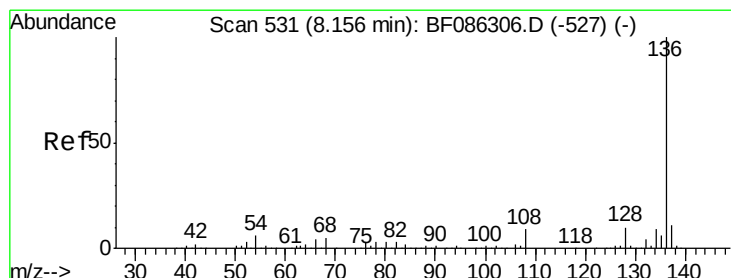
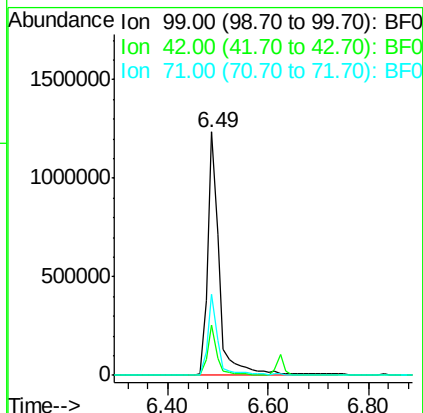
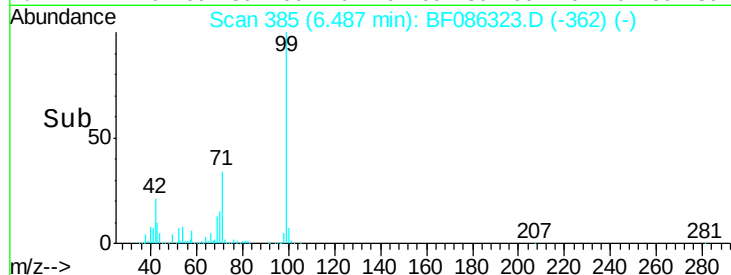
99 100

42 20.8 15.4 23.2

71 33.5 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: BF086323.D

Acq: 20 Apr 2016 22:08

Tgt Ion: 136 Resp: 1093937

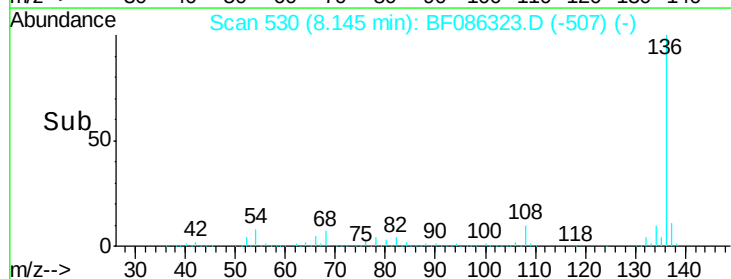
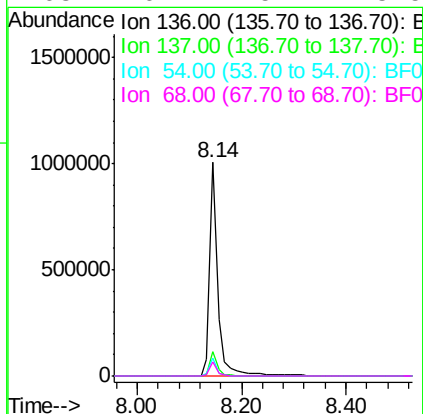
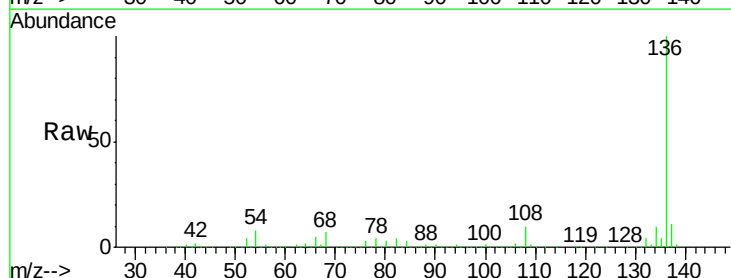
Ion Ratio Lower Upper

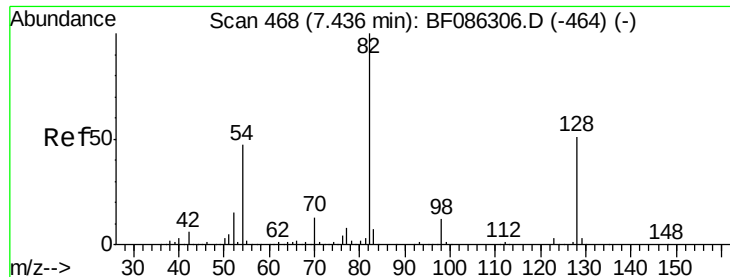
136 100

137 11.3 9.1 13.7

54 8.2 7.3 10.9

68 6.7 5.7 8.5





#23

Nitrobenzene-d5

Concen: 67.07 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.03 min

Lab File: BF086323.D

Acq: 20 Apr 2016 22:08

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)A

Tot Ion: 82 Resp: 1281031

Ion Ratio Lower Upper

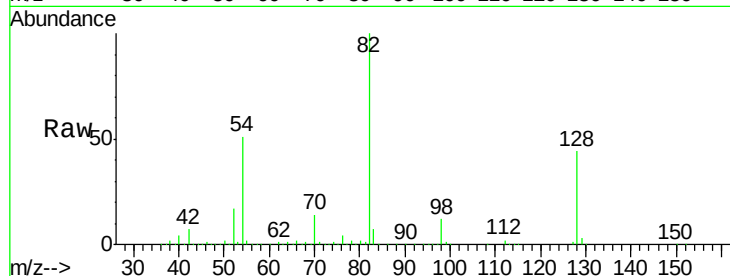
82 100

128 43.8 35.4 53.2

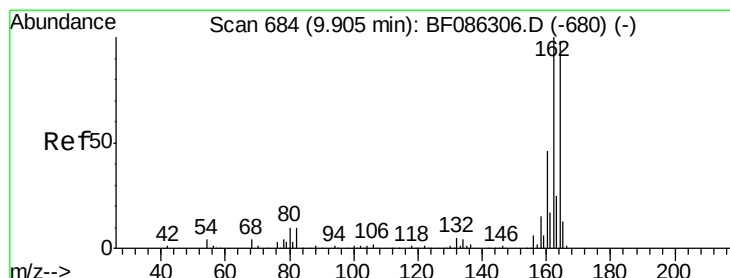
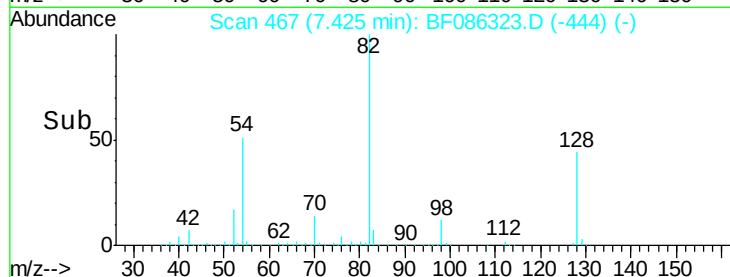
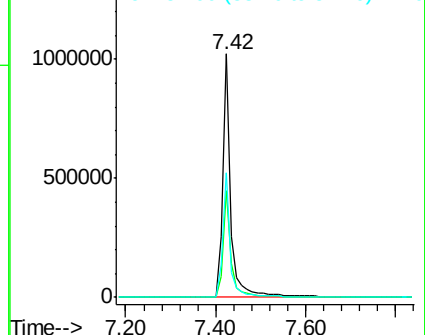
54 51.4 43.4 65.0

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.03 min

Lab File: BF086323.D

Acq: 20 Apr 2016 22:08

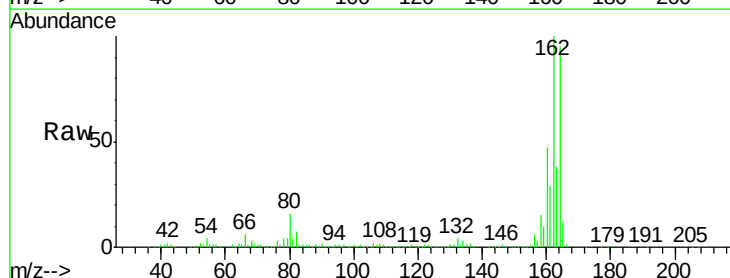
Tgt Ion:164 Resp: 416330

Ion Ratio Lower Upper

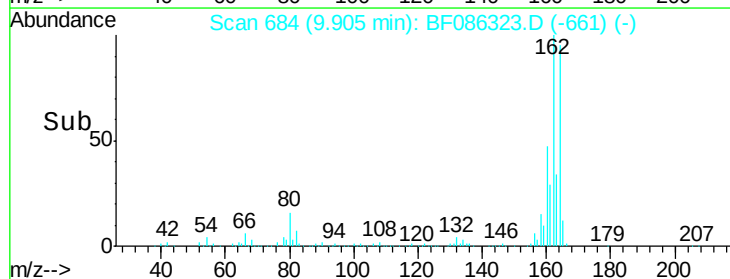
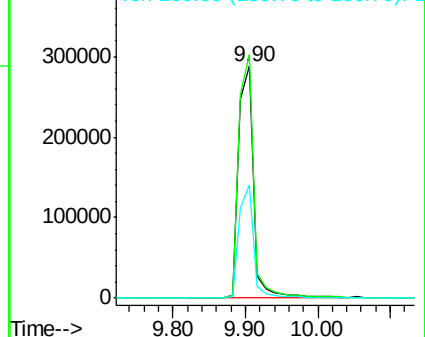
164 100

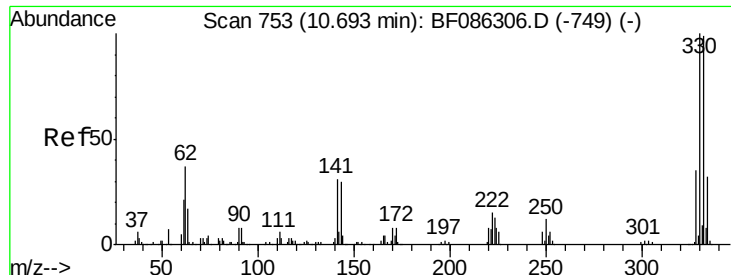
162 105.1 82.8 124.2

160 48.9 38.9 58.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





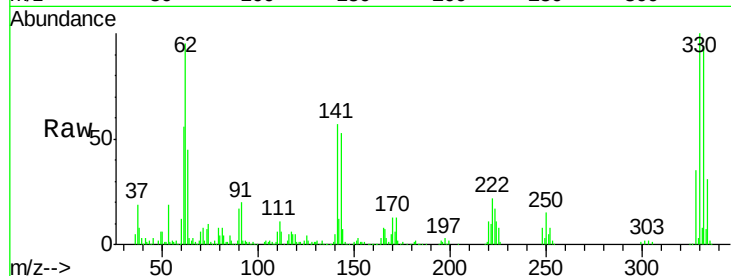
#41
 2,4,6-Tribromophenol
 Concen: 98.04 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.05 min
 Lab File: BF086323.D
 Acq: 20 Apr 2016 22:08

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

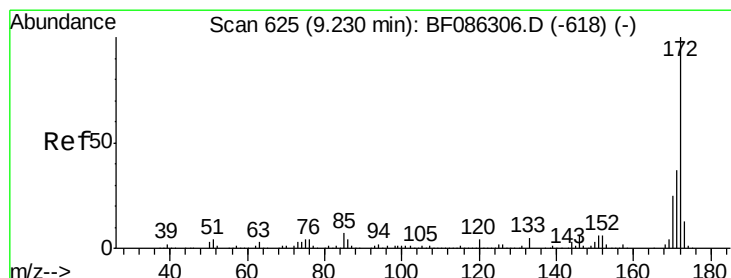
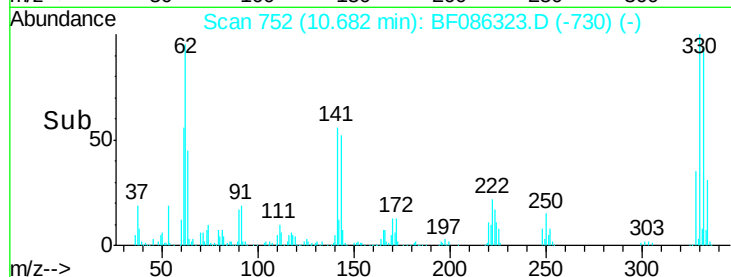
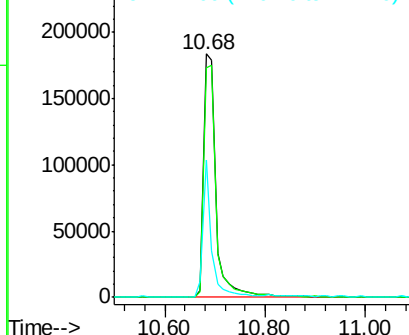
Tot Ion	Ratio	Resp	Lower	Upper
330	100	318139		
332	96.0	78.7	118.1	
141	37.4	28.6	42.8	

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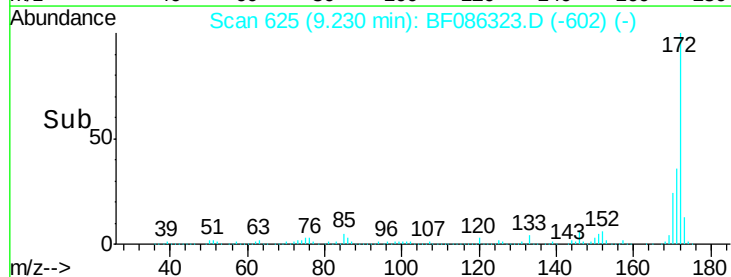
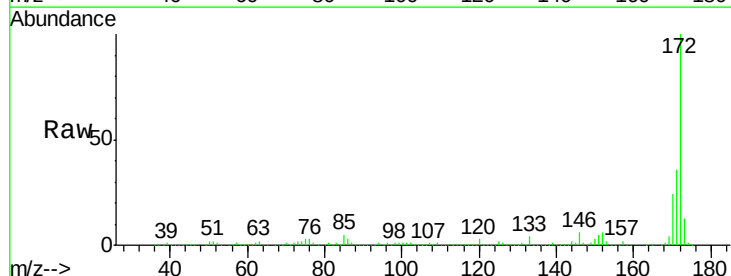
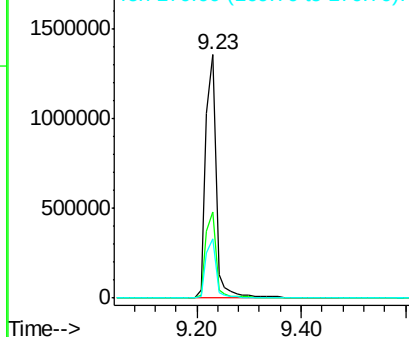
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

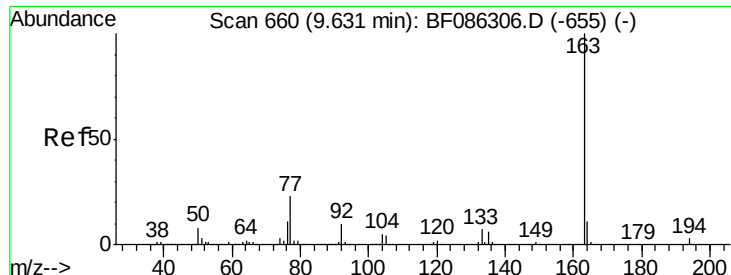


#44
 2-Fluorobiphenyl
 Concen: 89.11 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF086323.D
 Acq: 20 Apr 2016 22:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1920093		
171	35.6	29.1	43.7	
170	24.2	19.9	29.9	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





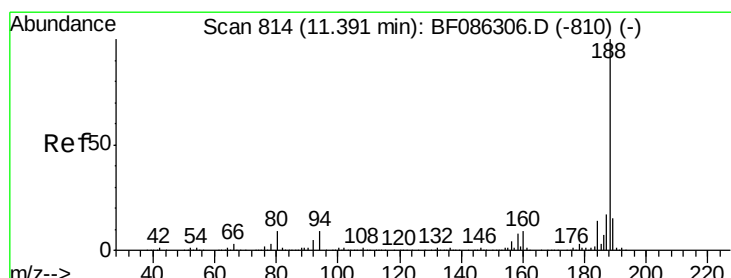
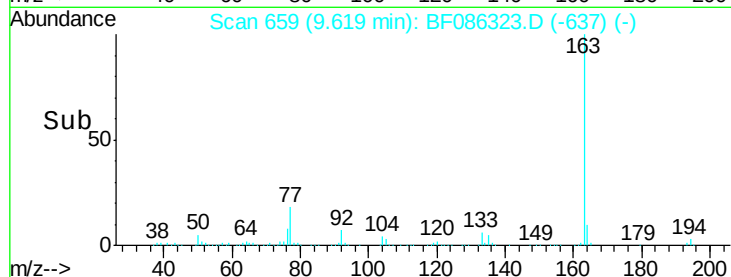
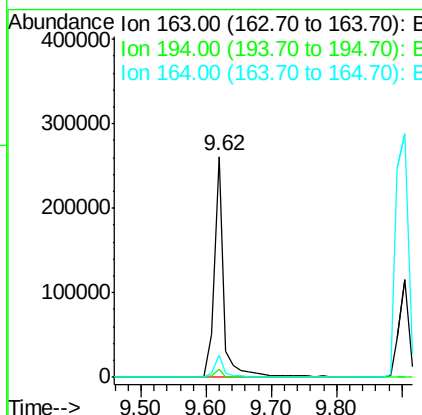
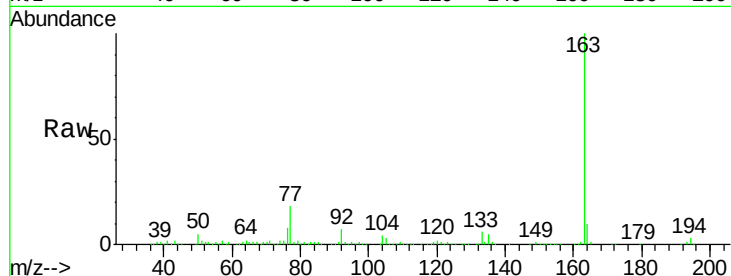
#49
Dimethylphthalate
Concen: 8.43 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.05 min
Lab File: BF086323.D
Acq: 20 Apr 2016 22:08

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	267061		
194	3.5	2.8	4.2	
164	9.8	8.4	12.6	

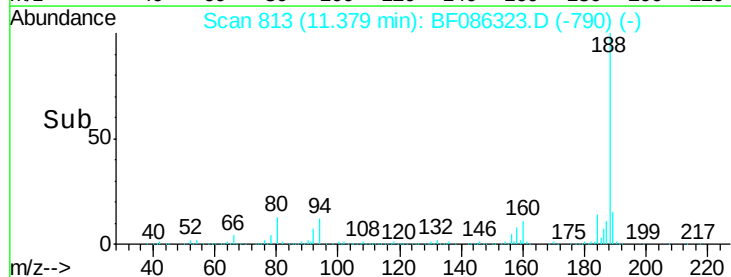
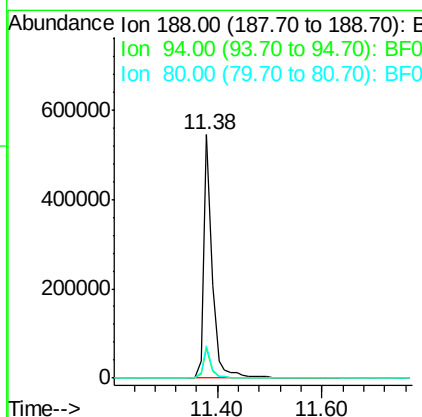
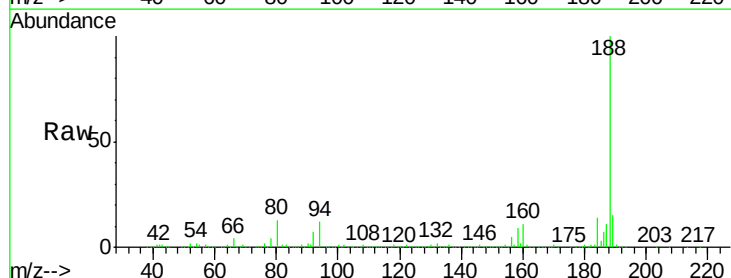
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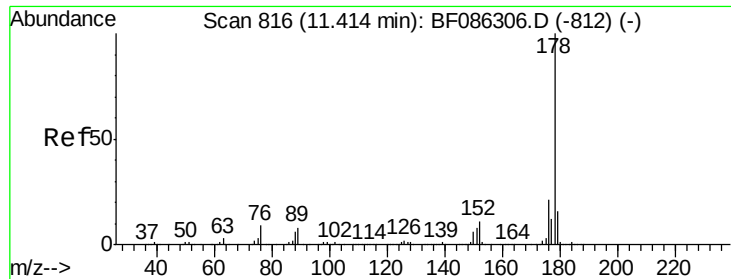
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.03 min
Lab File: BF086323.D
Acq: 20 Apr 2016 22:08

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	621458		
94	12.1	9.8	14.8	
80	13.4	10.5	15.7	





#70

Phenanthrene

Concen: 12.16 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.03 min

Lab File: BF086323.D

Acq: 20 Apr 2016 22:08

Instrument :

BNA_F

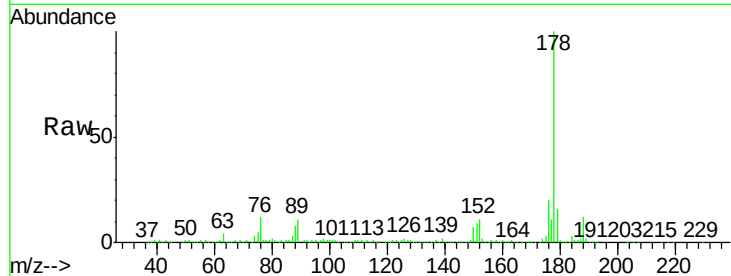
ClientSampleId :

RODNEY-AVE-PS(0-2)A

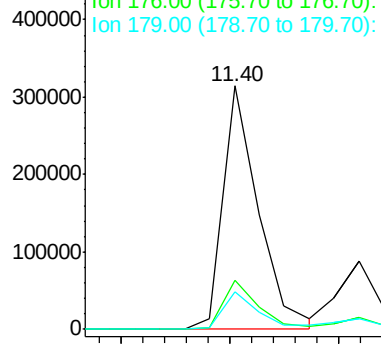
Tot Ion:	178	Resp:	358047
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.3	24.5
179	15.6	13.0	19.6

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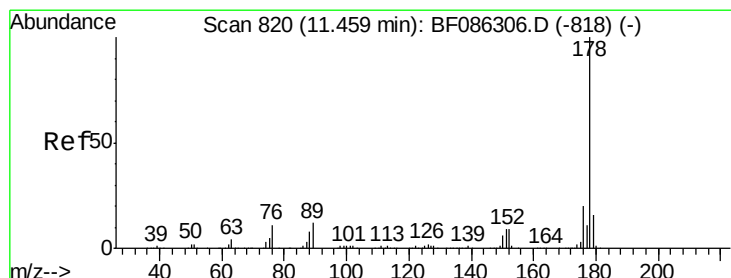
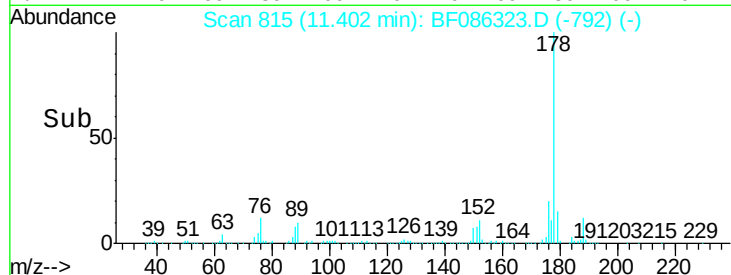
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 4.07 ng

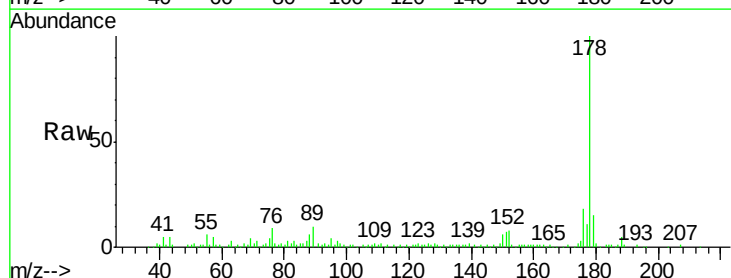
RT: 11.46 min Scan# 820

Delta R.T. -0.03 min

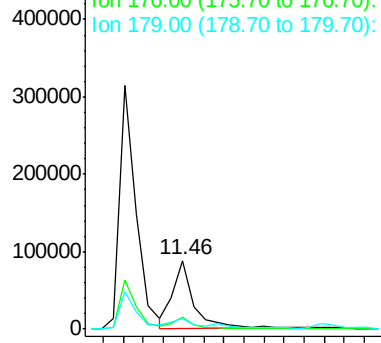
Lab File: BF086323.D

Acq: 20 Apr 2016 22:08

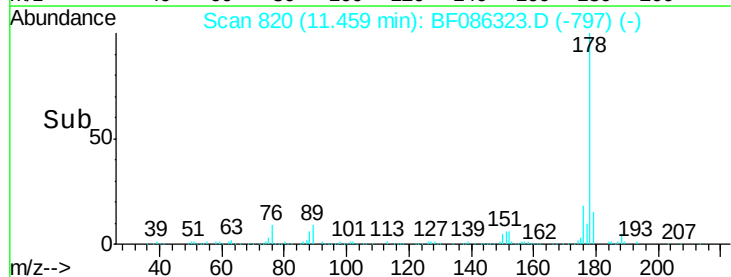
Tgt Ion:	178	Resp:	128386
Ion Ratio	Lower	Upper	
178	100		
176	18.4	16.2	24.4
179	15.2	13.2	19.8

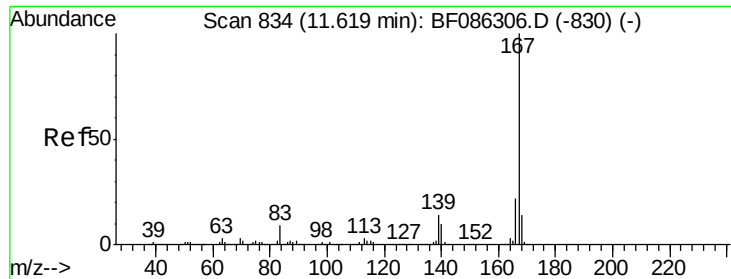


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#72

Carbazole

Concen: 2.94 ng

RT: 11.62 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF086323.D

Acq: 20 Apr 2016 22:08

Instrument :

BNA_F

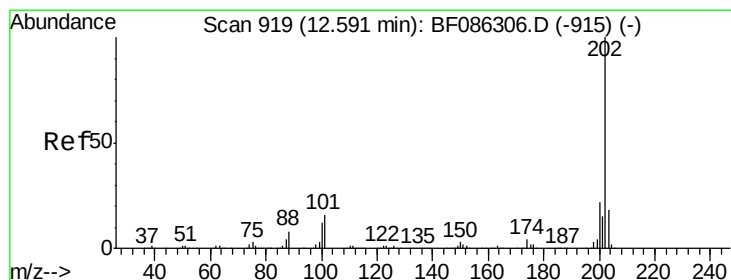
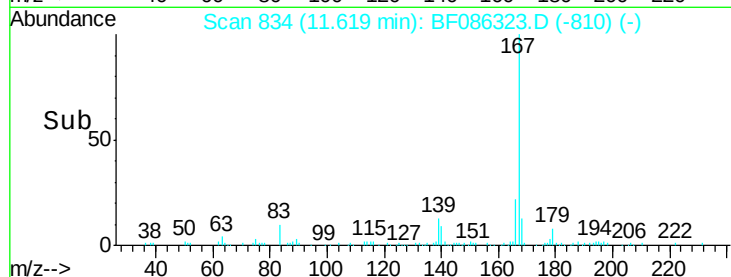
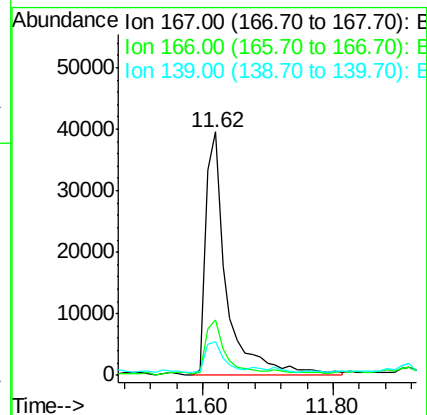
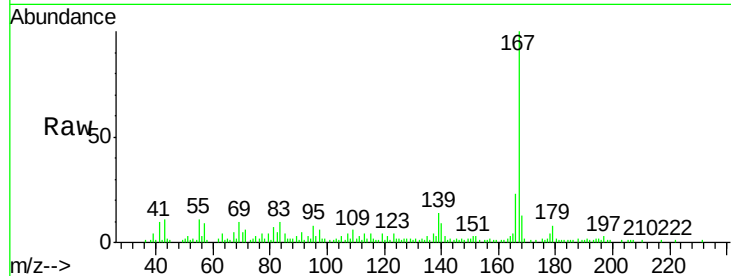
ClientSampleId :

RODNEY-AVE-PS(0-2)A

Tot Ion:	167	Resp:	87598
Ion Ratio	Lower	Upper	
167	100		
166	22.6	18.3	27.5
139	14.1	12.3	18.5

Manual Integrations
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#74

Fluoranthene

Concen: 28.48 ng

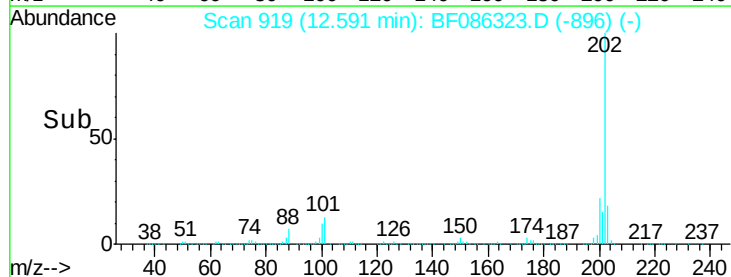
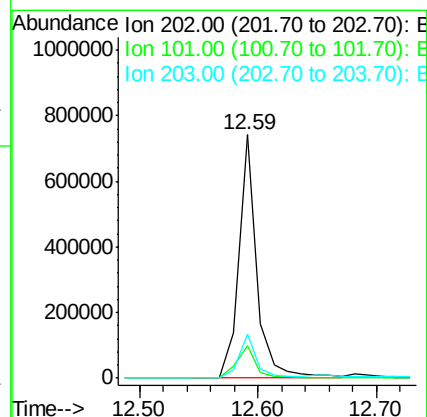
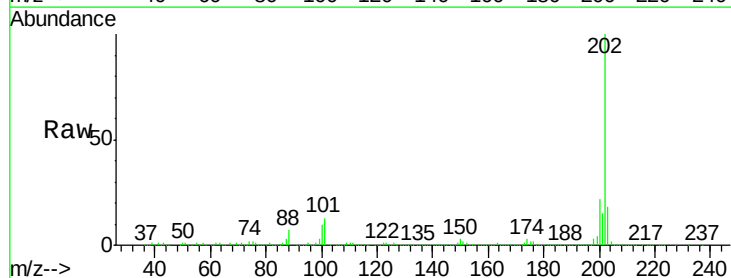
RT: 12.59 min Scan# 919

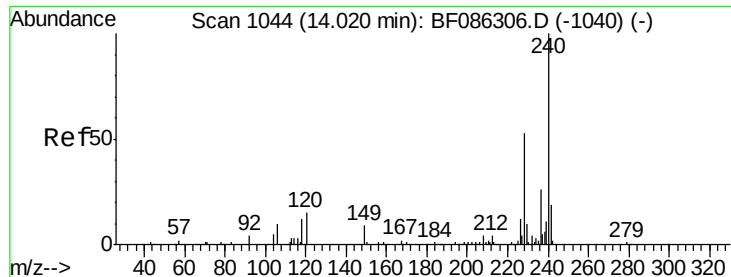
Delta R.T. -0.03 min

Lab File: BF086323.D

Acq: 20 Apr 2016 22:08

Tgt Ion:	202	Resp:	777737
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	35.2
203	17.8	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: BF086323.D

Acq: 20 Apr 2016 22:08

Instrument :

BNA_F

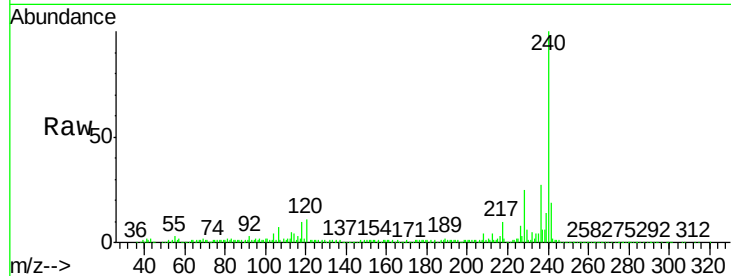
ClientSampleId :

RODNEY-AVE-PS(0-2)A

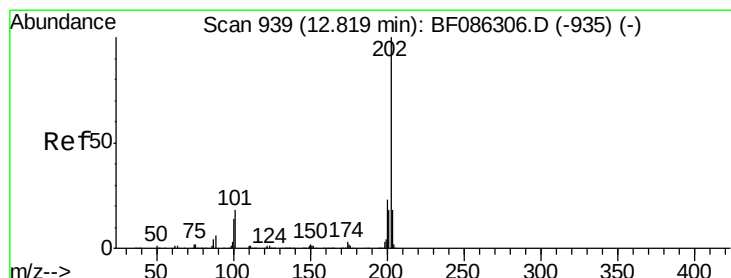
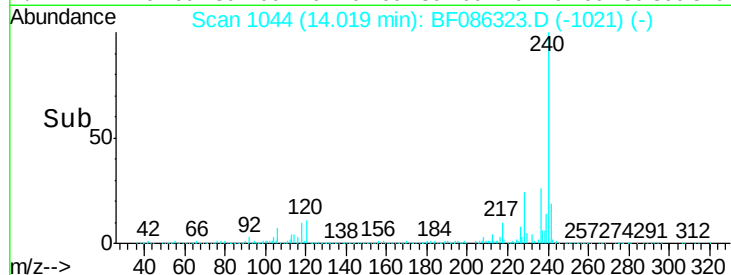
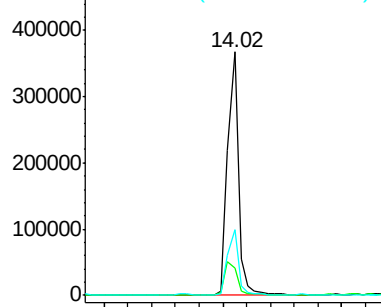
Tot Ion:	240	Resp:	465549
Ion Ratio		Lower	Upper
240	100		
120	11.4	9.3	13.9
236	26.9	21.1	31.7

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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: 19.59 ng

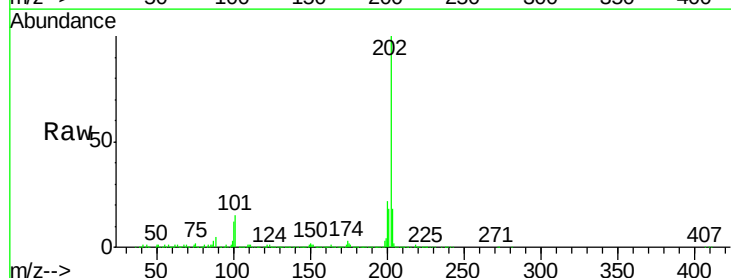
RT: 12.82 min Scan# 939

Delta R.T. -0.03 min

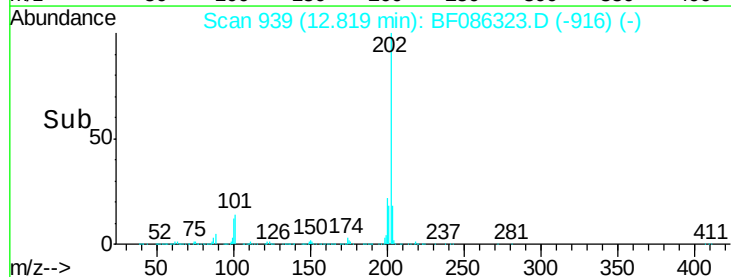
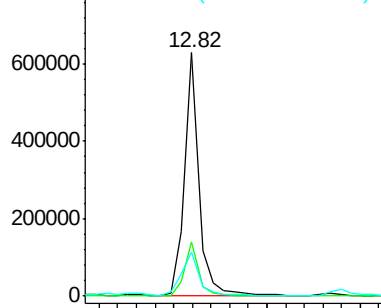
Lab File: BF086323.D

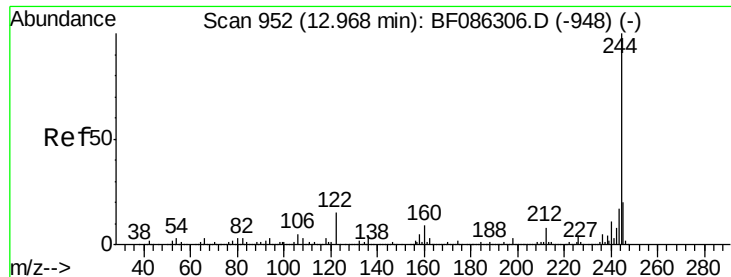
Acq: 20 Apr 2016 22:08

Tgt Ion:	202	Resp:	676414
Ion Ratio		Lower	Upper
202	100		
200	22.1	18.3	27.5
203	18.3	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: 55.66 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.03 min

Lab File: BF086323.D

Acq: 20 Apr 2016 22:08

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)A

Tot Ion:244 Resp: 1088640

Ion Ratio Lower Upper

244 100

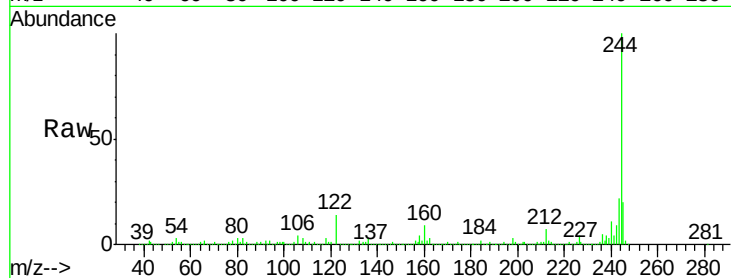
212 7.3 6.4 9.6

122 13.9 11.7 17.5

Manual Integrations
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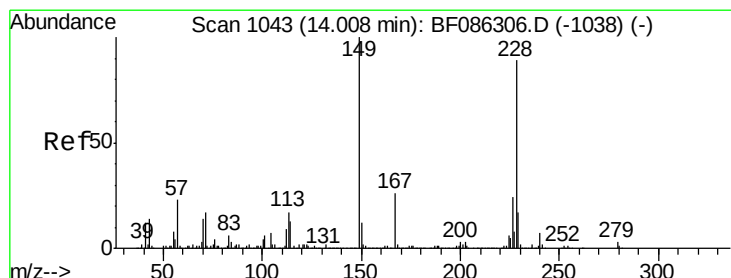
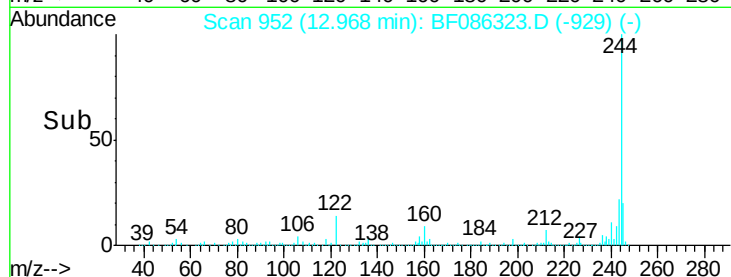
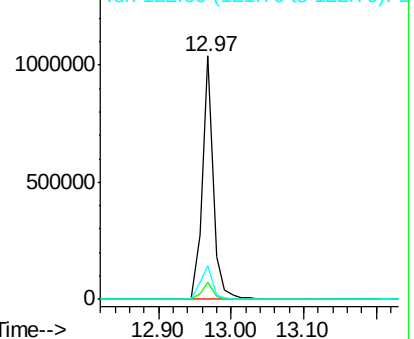
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 14.68 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF086323.D

Acq: 20 Apr 2016 22:08

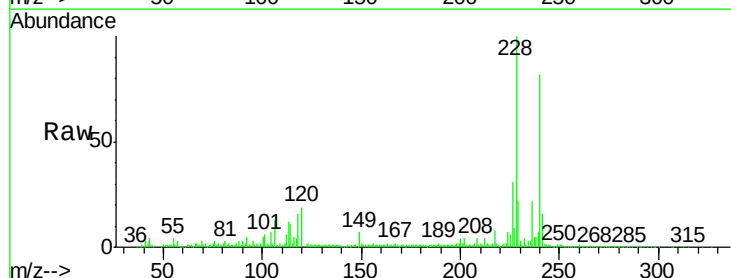
Tgt Ion:228 Resp: 359883

Ion Ratio Lower Upper

228 100

226 31.0 22.5 33.7

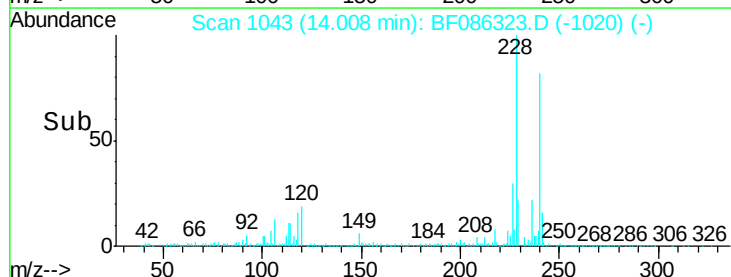
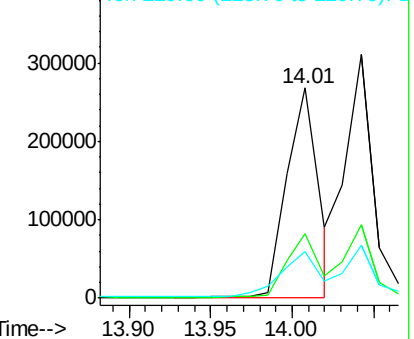
229 22.4 16.2 24.2

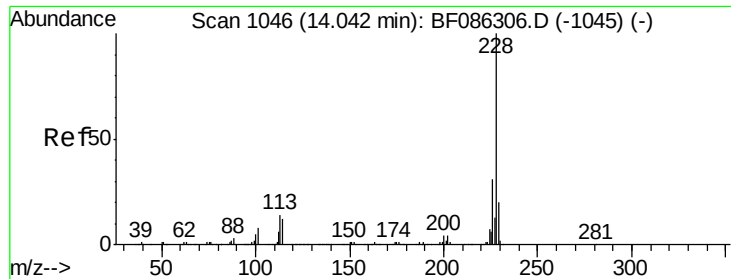


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





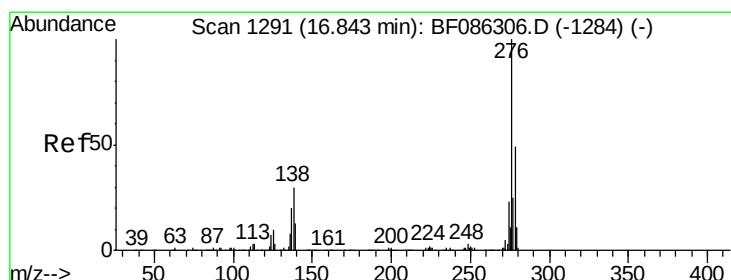
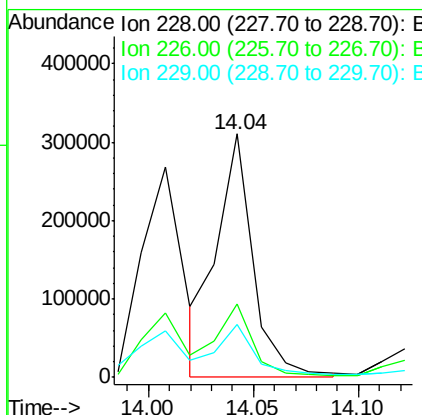
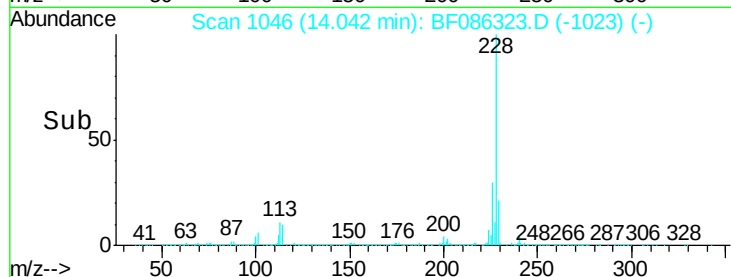
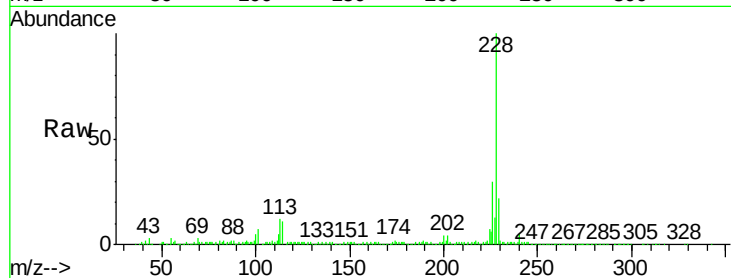
#82
Chrysene
Concen: 14.24 ng/ml
RT: 14.04 min Scan# 1046
Delta R.T. -0.03 min
Lab File: BF086323.D
Acq: 20 Apr 2016 22:08

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

Tot Ion:	228	Resp:	377545
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.4	38.2
229	21.9	16.5	24.7

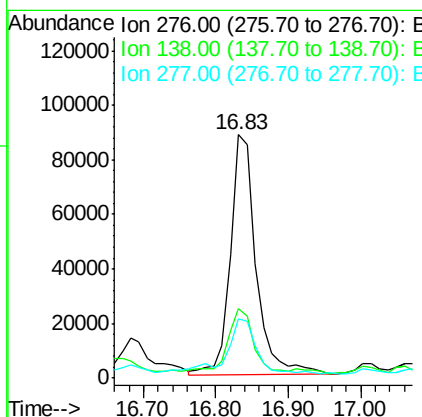
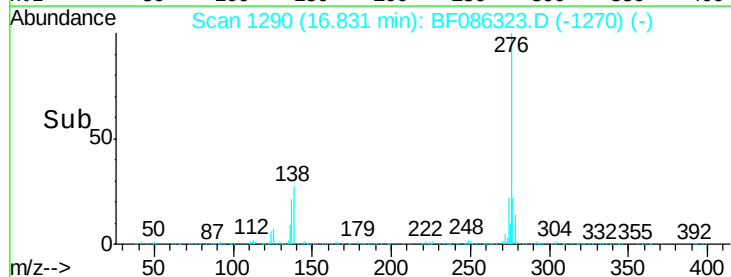
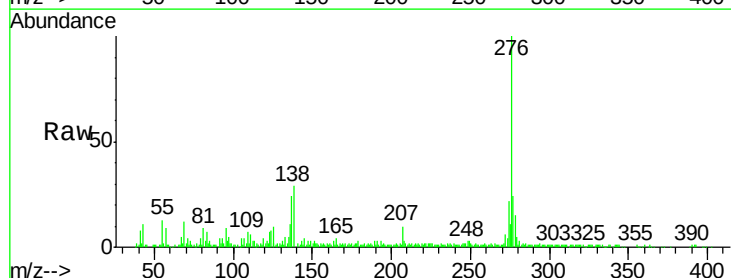
Manual Integrations
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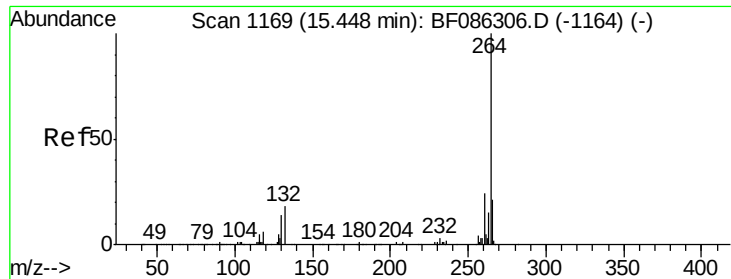
sohil
4/21/2016 7:10:52 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.94 ng
RT: 16.83 min Scan# 1290
Delta R.T. -0.07 min
Lab File: BF086323.D
Acq: 20 Apr 2016 22:08

Tgt Ion:	276	Resp:	216507
Ion Ratio	Lower	Upper	
276	100		
138	25.3	23.8	35.6
277	28.1	20.2	30.2





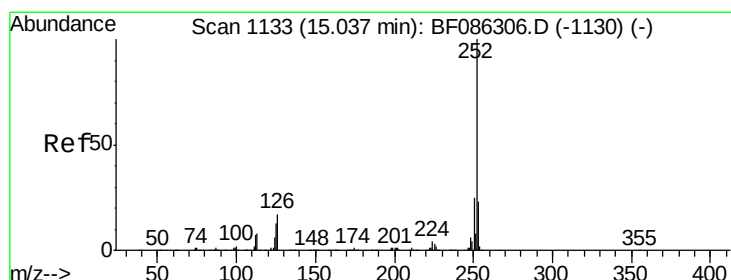
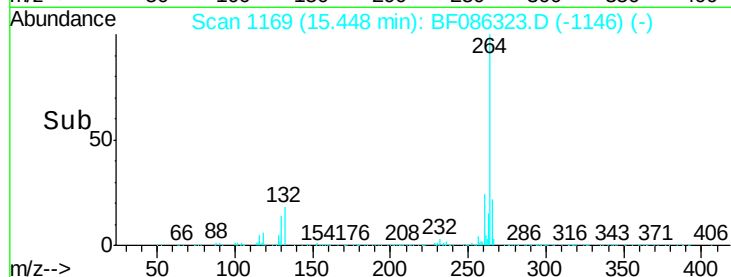
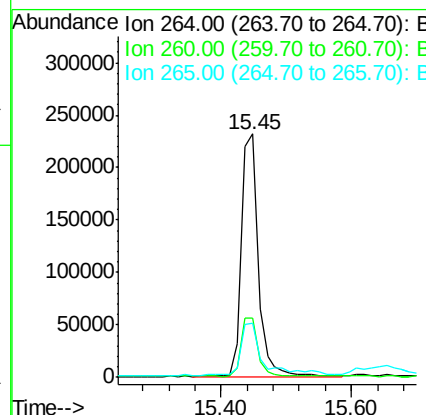
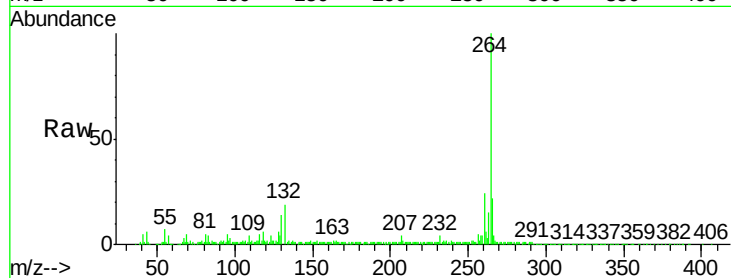
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF086323.D
Acq: 20 Apr 2016 22:08

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.0	30.0
265	22.4	17.4	26.0

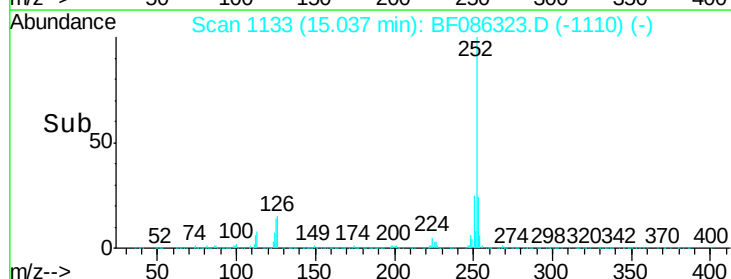
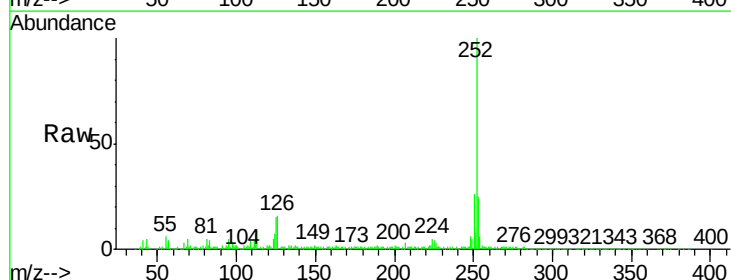
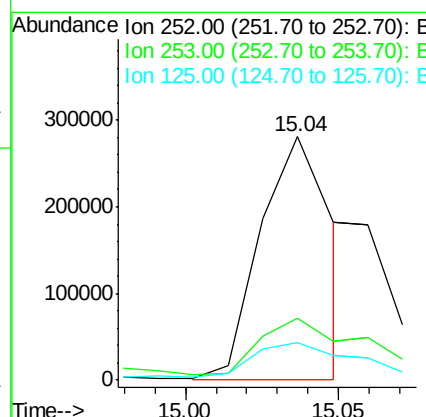
Manual Integrations
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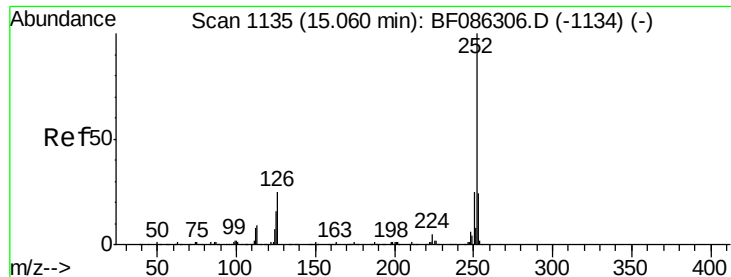
sohil
4/21/2016 7:10:52 PM



#87
Benzo(b)fluoranthene
Concen: 19.52 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BF086323.D
Acq: 20 Apr 2016 22:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.7	26.5
125	15.4	10.3	15.5





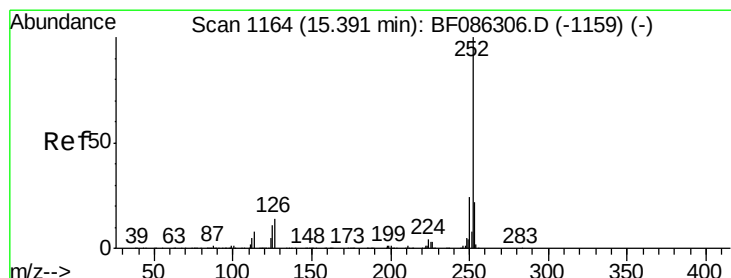
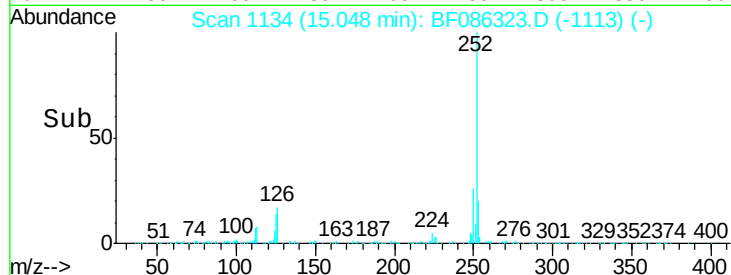
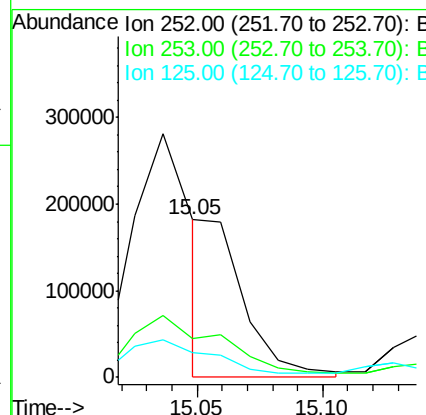
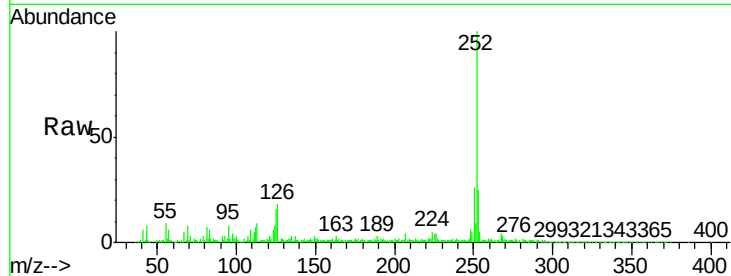
#88
Benzo(k)fluoranthene
Concen: 9.71 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.06 min
Lab File: BF086323.D
Acq: 20 Apr 2016 22:08

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	191587		
253	24.7	17.5	26.3	
125	15.6	7.8	11.6	

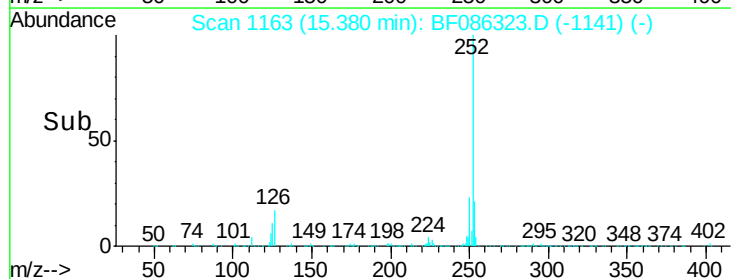
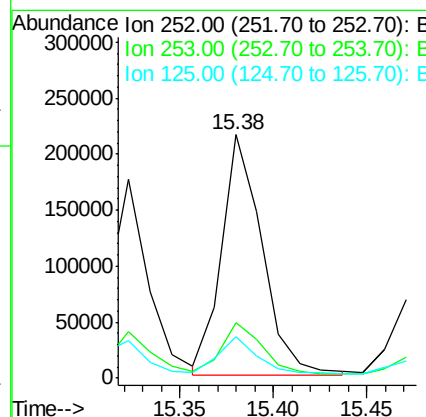
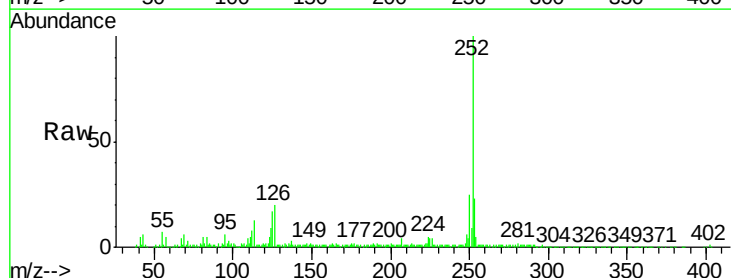
Manual Integrations
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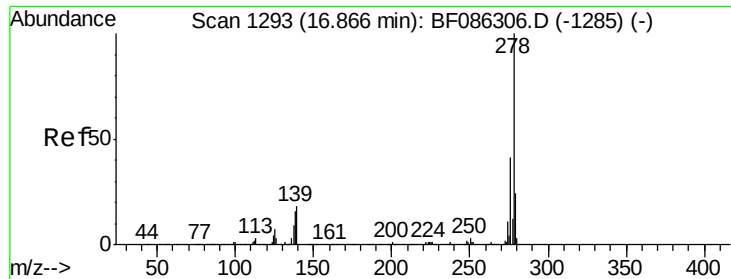
sohil
4/21/2016 7:10:52 PM



#89
Benzo(a)pyrene
Concen: 15.19 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.05 min
Lab File: BF086323.D
Acq: 20 Apr 2016 22:08

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	328297		
253	23.0	17.8	26.8	
125	17.0	11.2	16.8	





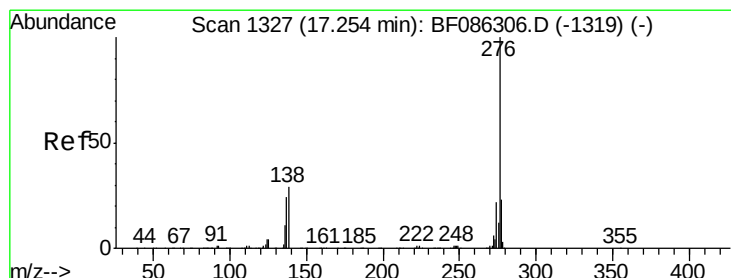
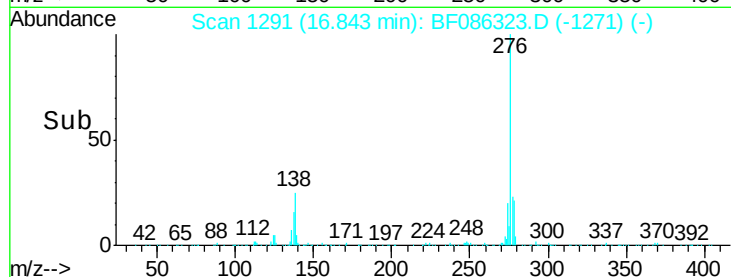
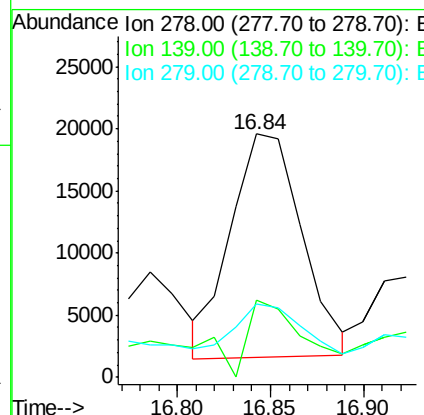
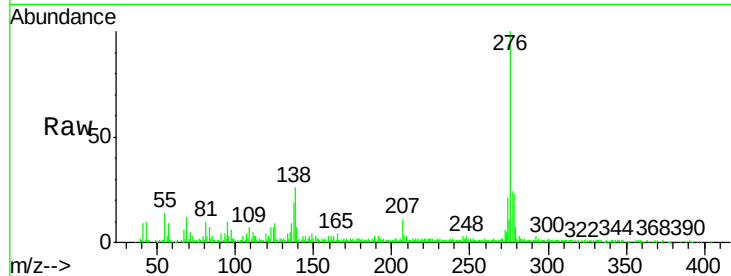
#90
Dibenzo(a,h)anthracene
Concen: 2.53 ng
RT: 16.84 min Scan# 1291
Delta R.T. -0.07 min
Lab File: BF086323.D
Acq: 20 Apr 2016 22:08

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.8	15.3	22.9#
279	30.1	19.1	28.7#

Manual Integrations
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4/21/2016 7:10:52 PM



#91
Benzo(g,h,i)perylene
Concen: 11.37 ng
RT: 17.25 min Scan# 1327
Delta R.T. -0.07 min
Lab File: BF086323.D
Acq: 20 Apr 2016 22:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.0	28.6
138	30.4	19.6	29.4#

