

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
 Data File : BF086324.D
 Acq On : 20 Apr 2016 22:37
 Operator : UM/SJ
 Sample : H2601-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Apr 21 01:49:33 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	255813	20.00	ng	-0.03
21) Naphthalene-d8	8.14	136	1001191	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	386399	20.00	ng	-0.03
63) Phenanthrene-d10	11.38	188	571844	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	424714	20.00	ng	-0.03
86) Perylene-d12	15.45	264	363945	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1466019	99.99	ng	-0.02
7) Phenol-d6	6.50	99	2116051	110.29	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1246337	71.29	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	331263	109.99	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	1920216	98.29	ng	-0.03
78) Terphenyl-d14	12.97	244	1062900	59.57	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	297293	10.11	ng	99
70) Phenanthrene	11.40	178	233441	8.61	ng	99
71) Anthracene	11.46	178	86172	2.97	ng	99
74) Fluoranthene	12.59	202	514035	20.46	ng	100
77) Pyrene	12.82	202	447128	14.19	ng	99
80) Benzo(a)anthracene	14.01	228	256921	11.48	ng	98
82) Chrysene	14.04	228	301087m	12.45	ng	
83) Bis(2-ethylhexyl)phthalate	14.01	149	58522	3.00	ng	99
85) Indeno(1,2,3-cd)pyrene	16.84	276	139156	5.60	ng	98
87) Benzo(b)fluoranthene	15.04	252	394432m	18.74	ng	
88) Benzo(k)fluoranthene	15.06	252	81497m	4.60	ng	
89) Benzo(a)pyrene	15.39	252	217066	11.19	ng	# 94
91) Benzo(a,h,i)perylene	17.27	276	147241	9.07	ng	# 94

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

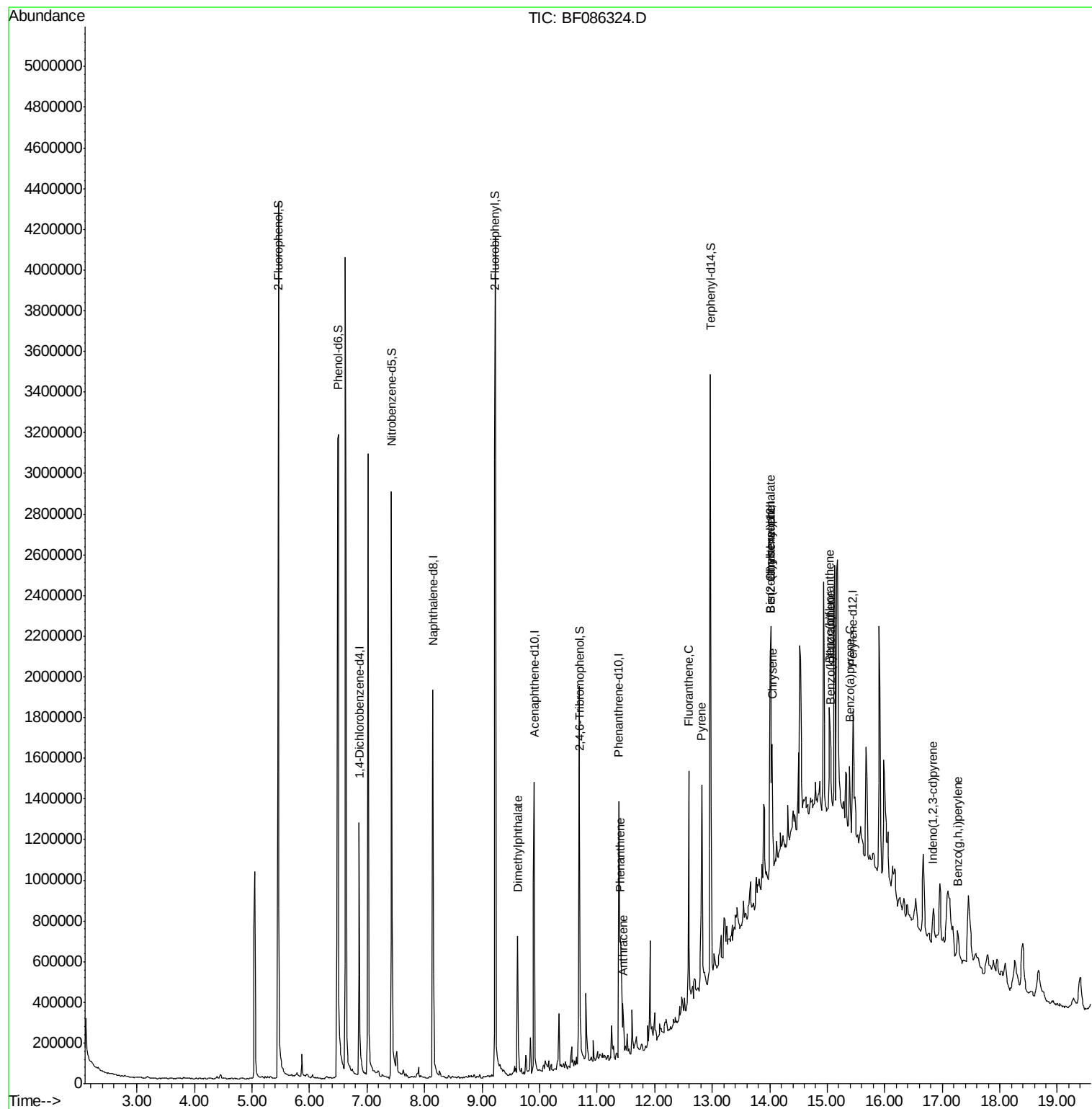
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
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ALS Vial : 26 Sample Multiplier: 1

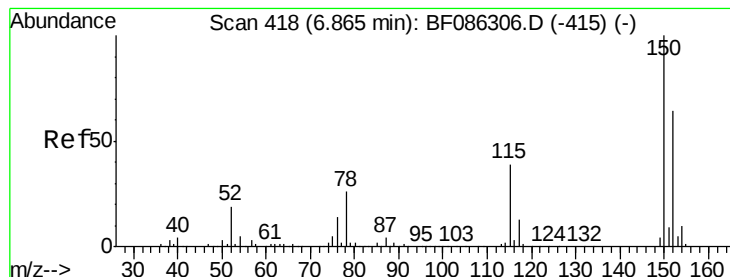
Instrument :
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ClientSampleId :
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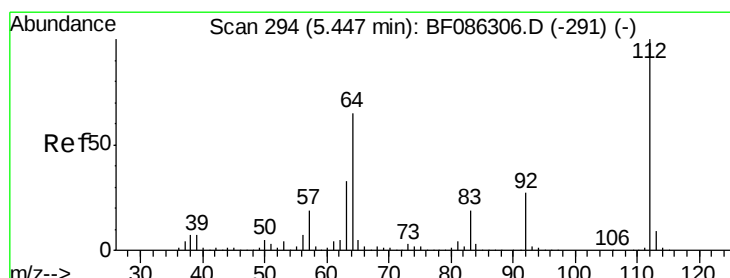
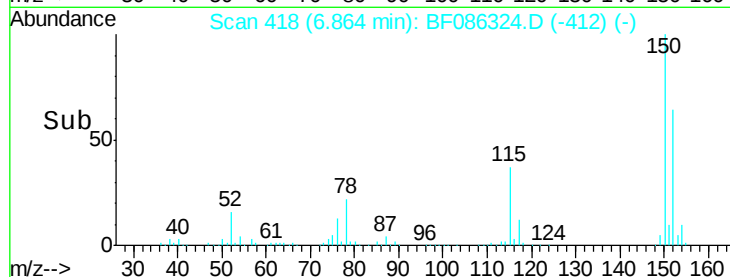
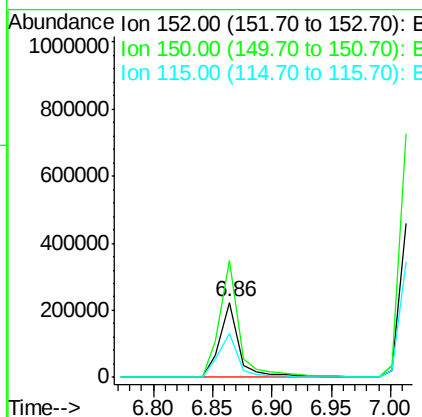
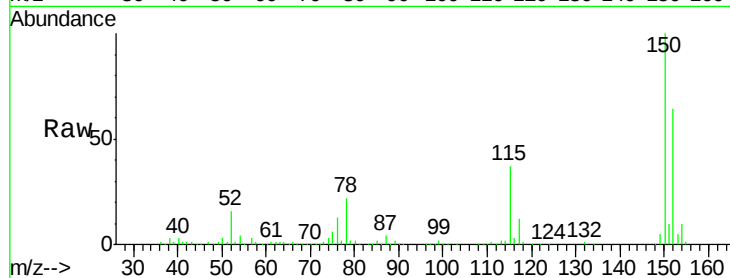
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 418
 Delta R.T. -0.03 min
 Lab File: BF086324.D
 Acq: 20 Apr 2016 22:37

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.1	186.1
115	57.9	43.9	65.9

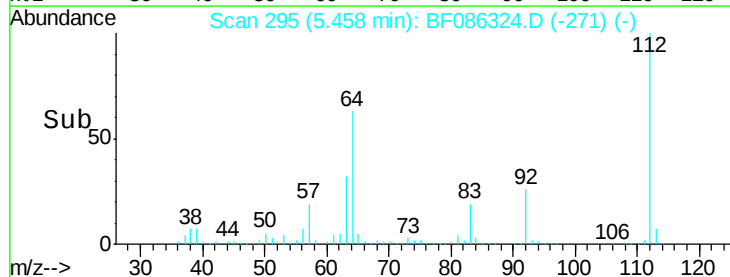
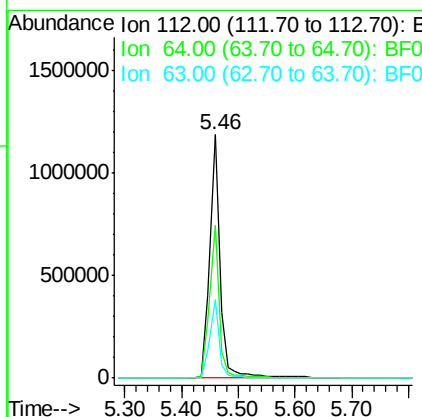
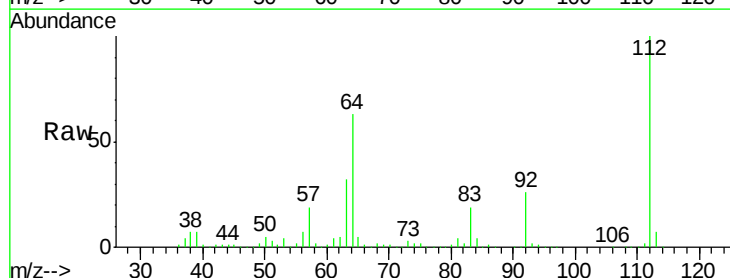
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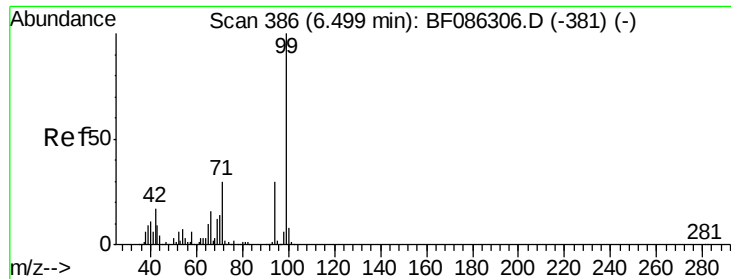
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#5
 2-Fluorophenol
 Concen: 99.99 ng
 RT: 5.46 min Scan# 295
 Delta R.T. -0.02 min
 Lab File: BF086324.D
 Acq: 20 Apr 2016 22:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	48.1	72.1
63	32.5	25.5	38.3





#7

Phenol-d6

Concen: 110.29 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086324.D

Acq: 20 Apr 2016 22:37

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)B

Tot Ion: 99 Resp: 2116051

Ion Ratio Lower Upper

99 100

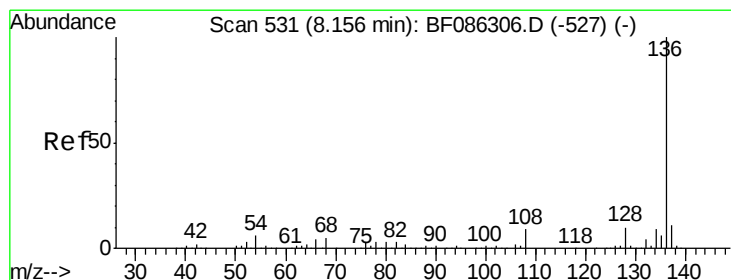
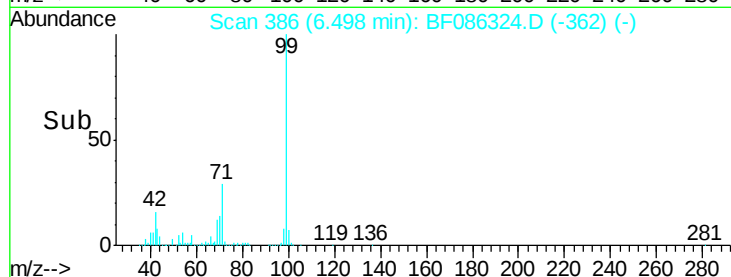
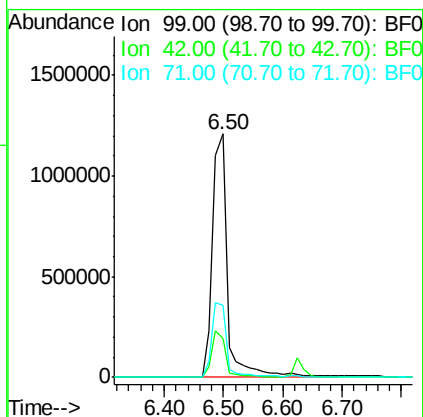
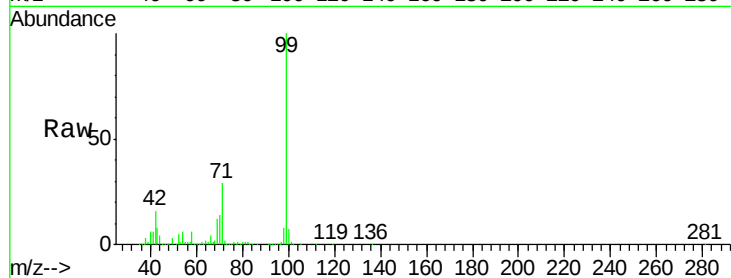
42 15.8 15.4 23.2

71 29.5 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: BF086324.D

Acq: 20 Apr 2016 22:37

Tgt Ion: 136 Resp: 1001191

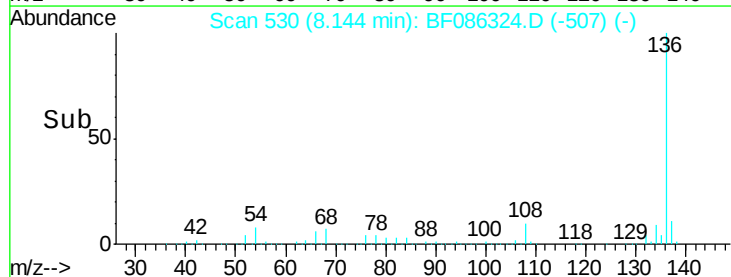
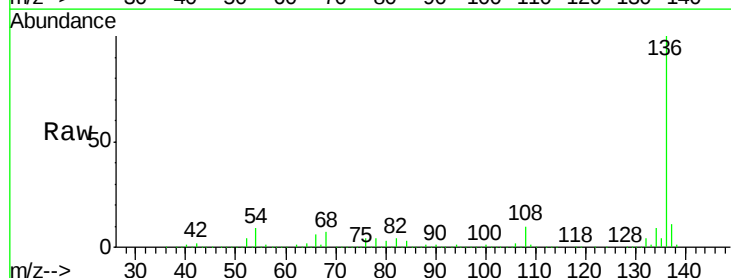
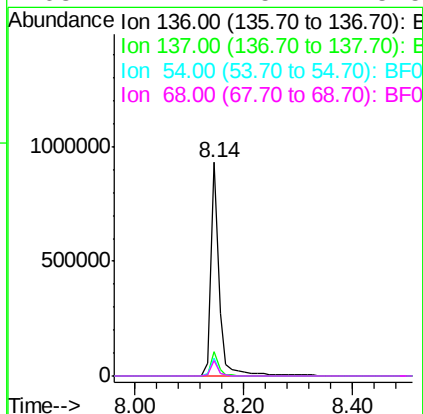
Ion Ratio Lower Upper

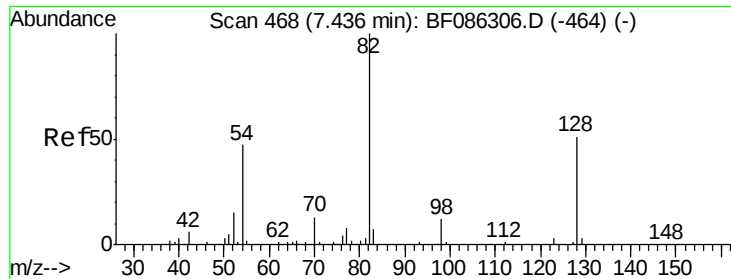
136 100

137 11.4 9.1 13.7

54 8.5 7.3 10.9

68 7.2 5.7 8.5





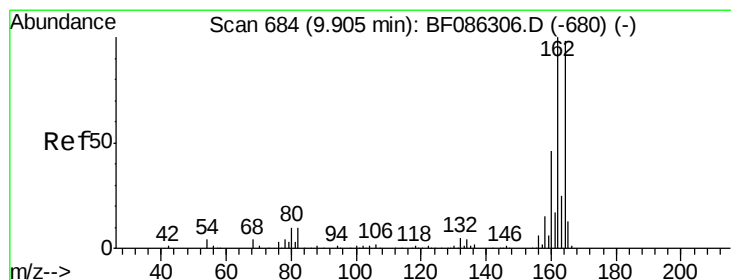
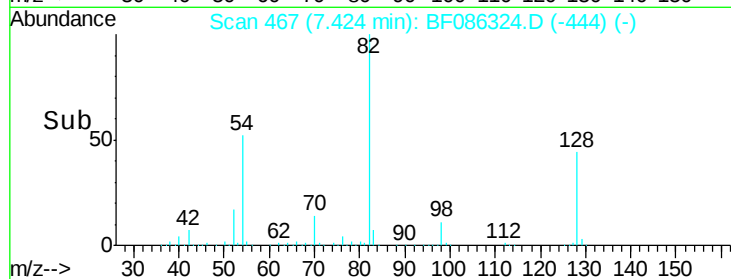
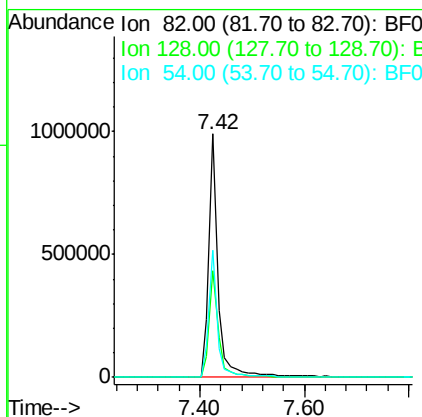
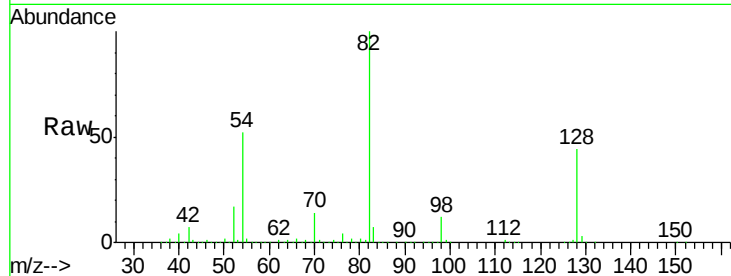
#23
 Nitrobenzene-d5
 Concen: 71.29 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.03 min
 Lab File: BF086324.D
 Acq: 20 Apr 2016 22:37

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

Tot Ion: 82 Resp: 1246337
 Ion Ratio Lower Upper
 82 100
 128 43.8 35.4 53.2
 54 52.0 43.4 65.0

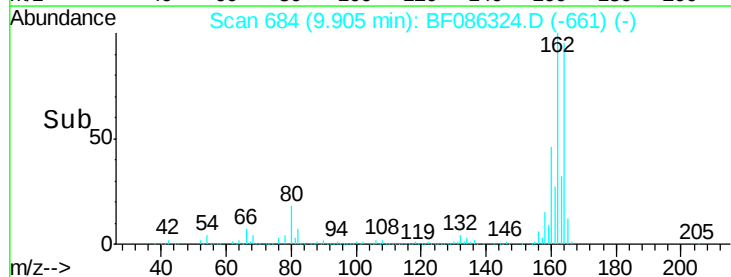
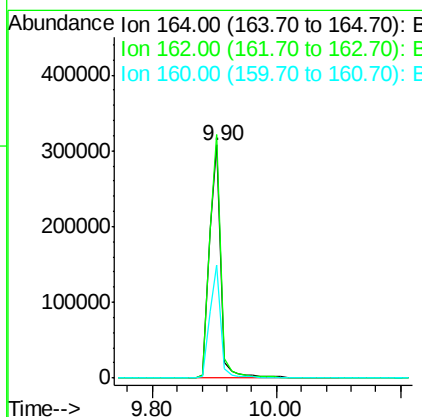
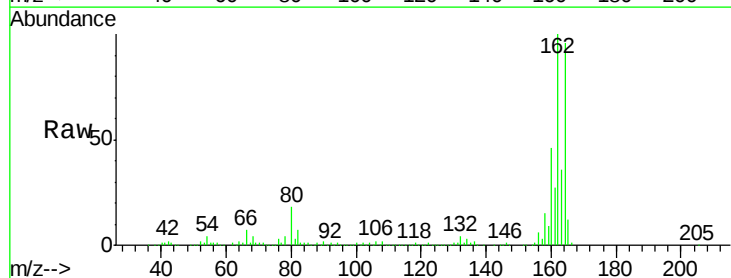
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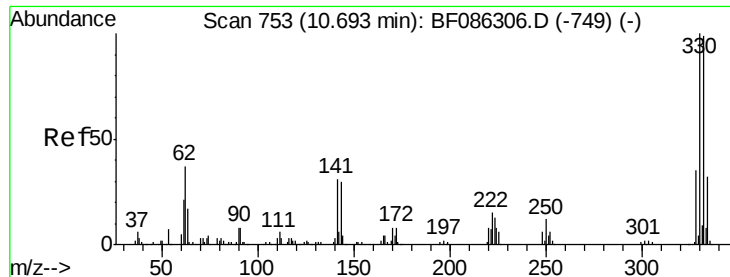
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.03 min
 Lab File: BF086324.D
 Acq: 20 Apr 2016 22:37

Tgt Ion:164 Resp: 386399
 Ion Ratio Lower Upper
 164 100
 162 104.6 82.8 124.2
 160 48.5 38.9 58.3





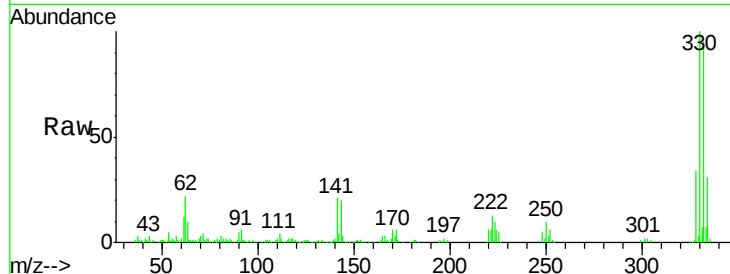
#41
 2,4,6-Tribromophenol
 Concen: 109.99 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.03 min
 Lab File: BF086324.D
 Acq: 20 Apr 2016 22:37

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

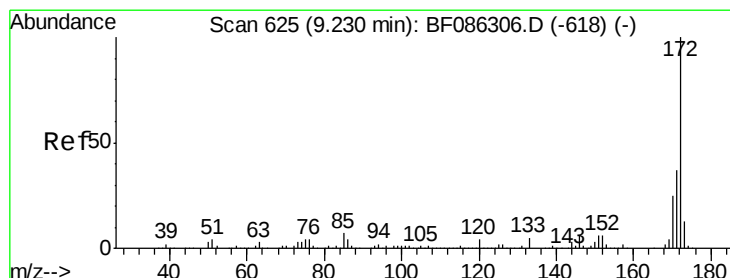
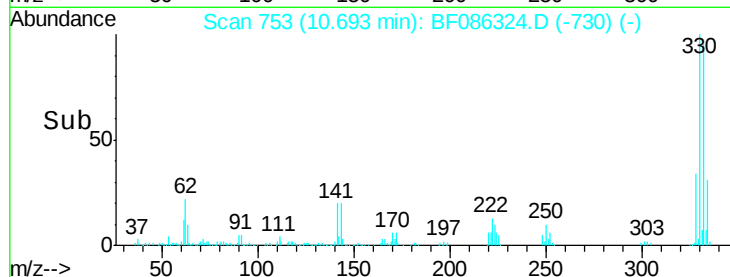
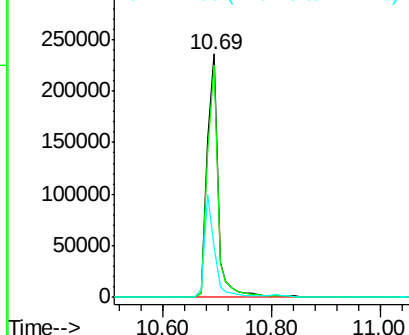
Tot Ion	Ratio	Resp	Lower	Upper
330	100	331263		
332	94.7	78.7	118.1	
141	36.7	28.6	42.8	

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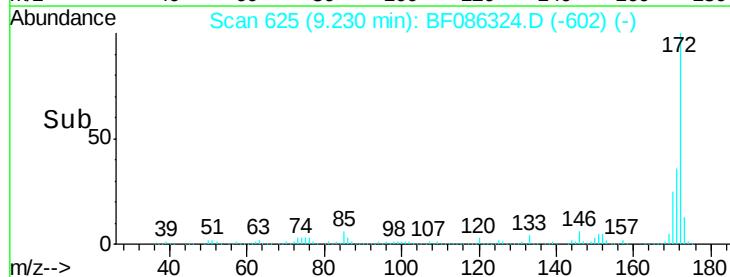
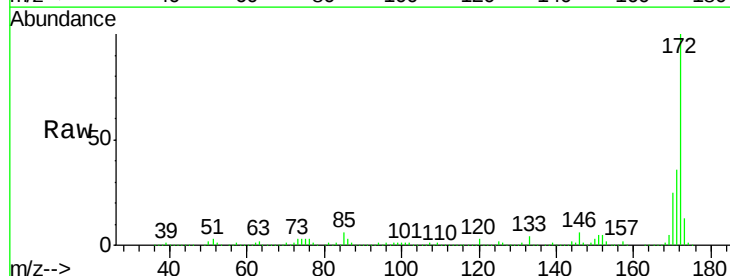
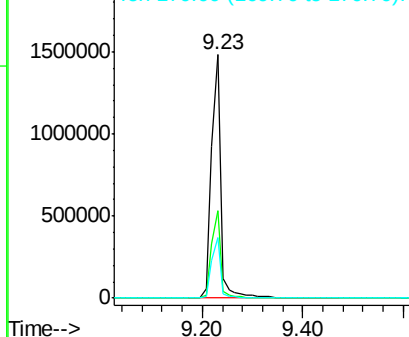
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

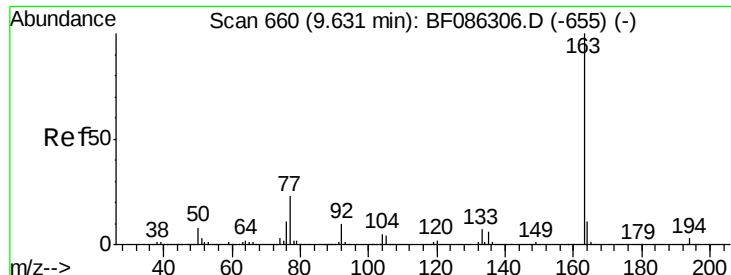


#44
 2-Fluorobiphenyl
 Concen: 98.29 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF086324.D
 Acq: 20 Apr 2016 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1920216		
171	36.1	29.1	43.7	
170	24.7	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





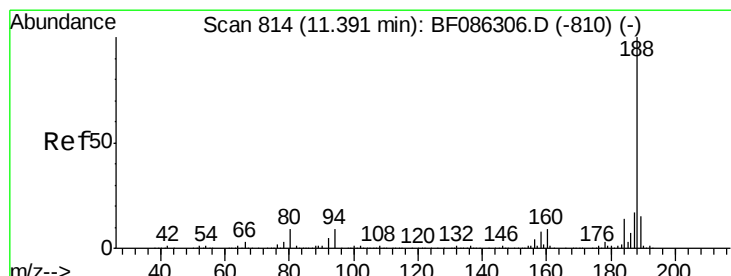
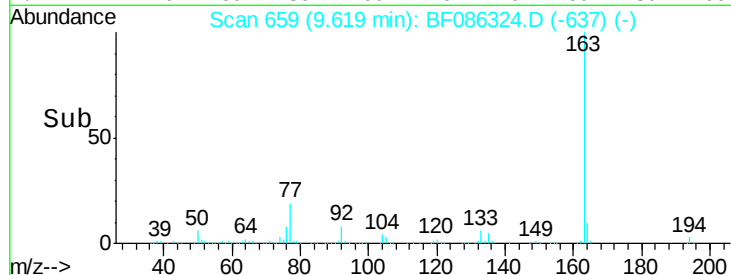
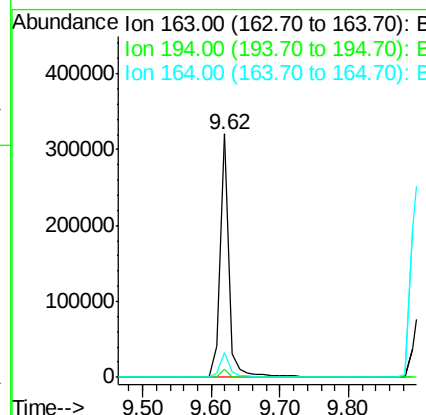
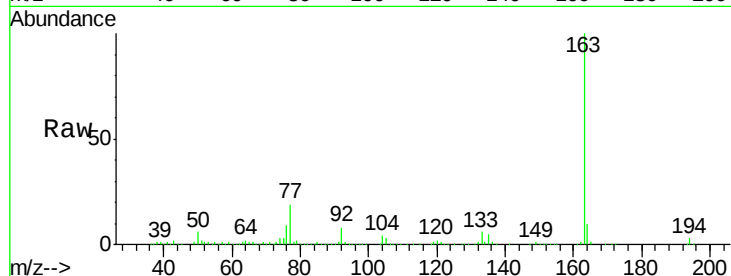
#49
Dimethylphthalate
Concen: 10.11 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.05 min
Lab File: BF086324.D
Acq: 20 Apr 2016 22:37

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	297293		
194	3.4	2.8	4.2	
164	10.0	8.4	12.6	

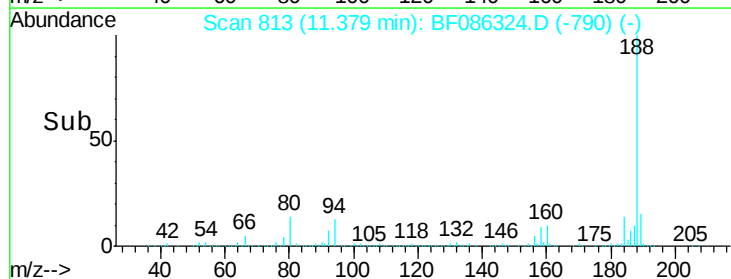
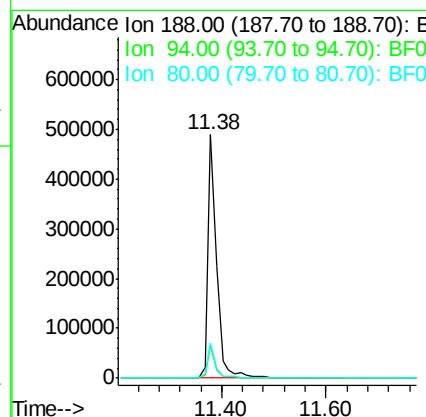
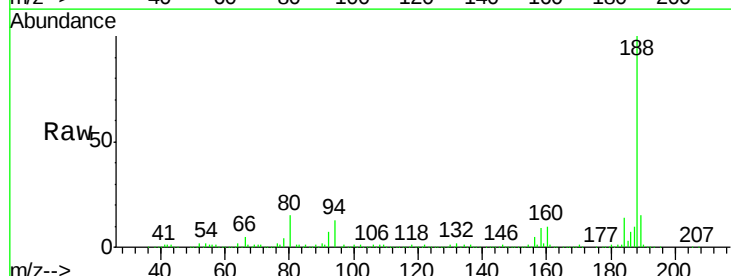
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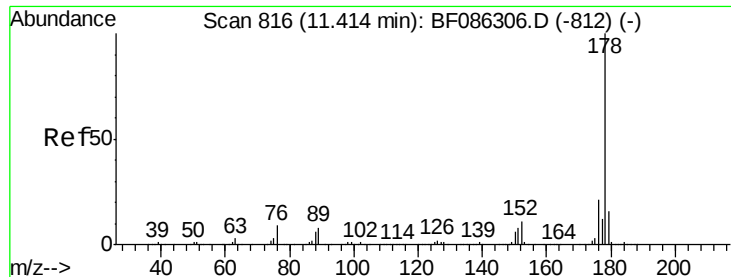
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.03 min
Lab File: BF086324.D
Acq: 20 Apr 2016 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	571844		
94	13.2	9.8	14.8	
80	14.6	10.5	15.7	





#70

Phenanthrene

Concen: 8.61 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.03 min

Lab File: BF086324.D

Acq: 20 Apr 2016 22:37

Instrument :

BNA_F

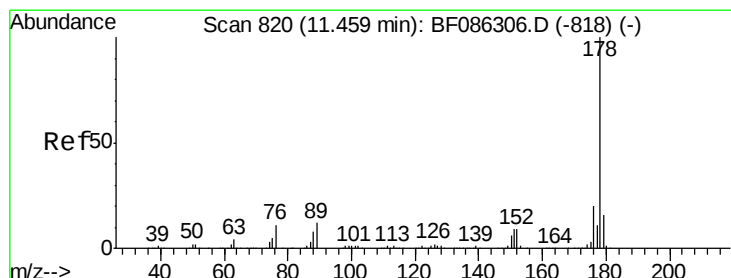
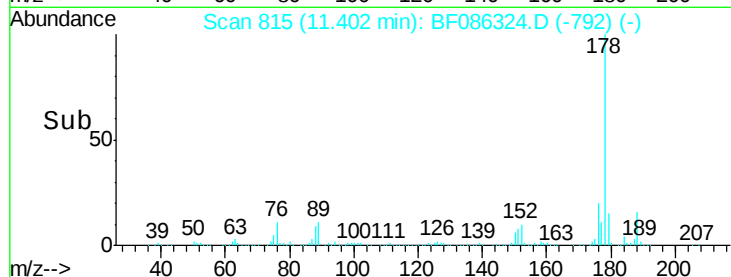
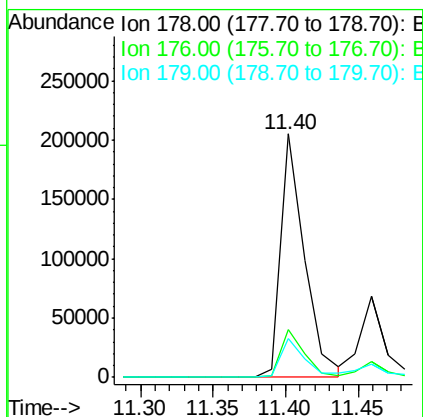
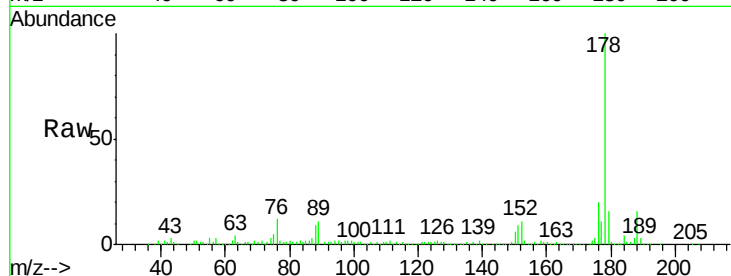
ClientSampleId :

RODNEY-AVE-PS(0-2)B

Tot Ion:178	Resp:	233441
Ion Ratio	Lower	Upper
178	100	
176	19.8	16.3 24.5
179	15.7	13.0 19.6

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#71

Anthracene

Concen: 2.97 ng

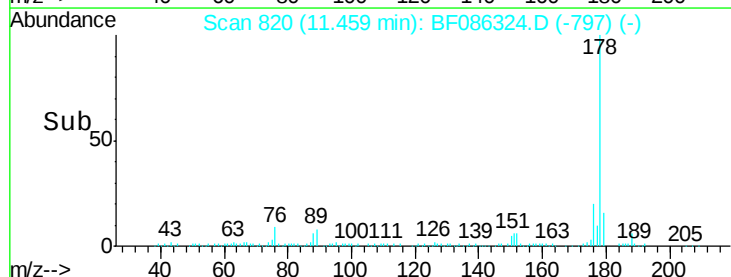
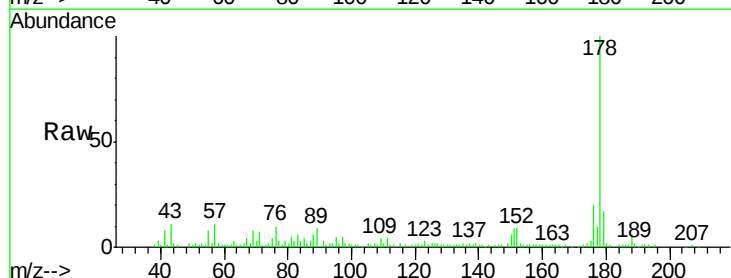
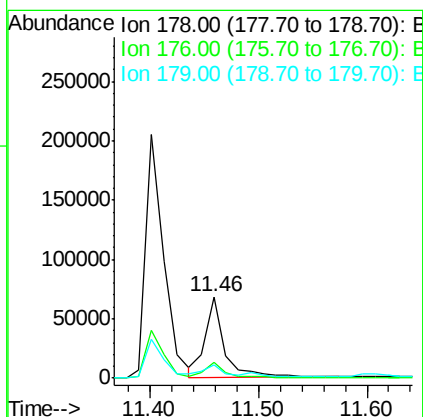
RT: 11.46 min Scan# 820

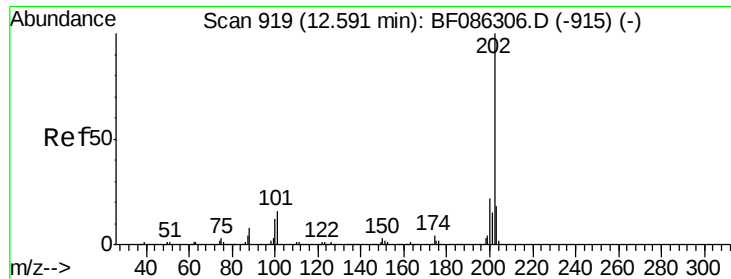
Delta R.T. -0.03 min

Lab File: BF086324.D

Acq: 20 Apr 2016 22:37

Tgt Ion:178	Resp:	86172
Ion Ratio	Lower	Upper
178	100	
176	19.9	16.2 24.4
179	16.8	13.2 19.8





#74

Fluoranthene

Concen: 20.46 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF086324.D

Acq: 20 Apr 2016 22:37

Instrument :

BNA_F

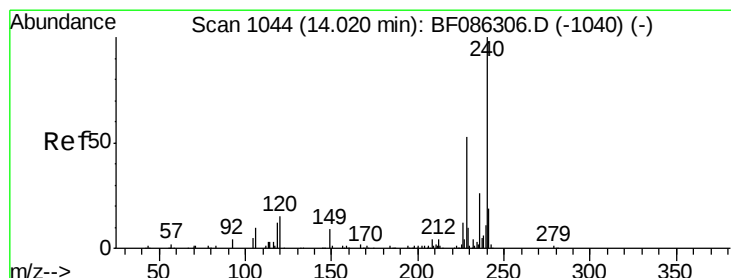
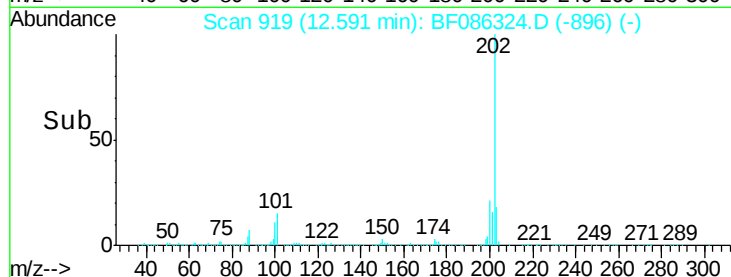
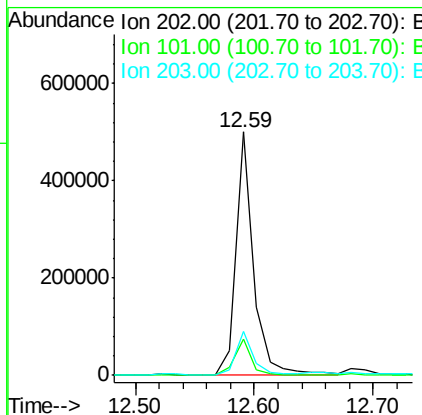
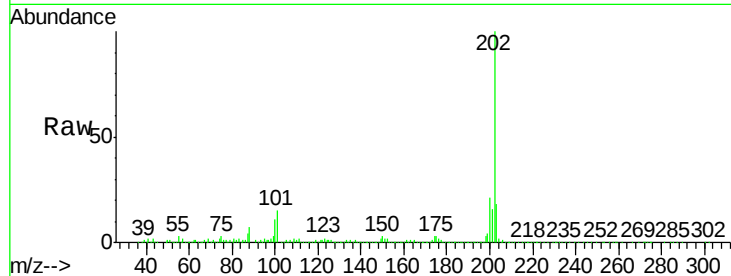
ClientSampleId :

RODNEY-AVE-PS(0-2)B

Tot Ion:	202	Resp:	514035
Ion Ratio		Lower	Upper
202	100		
101	14.9	0.0	35.2
203	18.1	0.0	38.2

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#75

Chrysene-d12

Concen: 20.00 ng

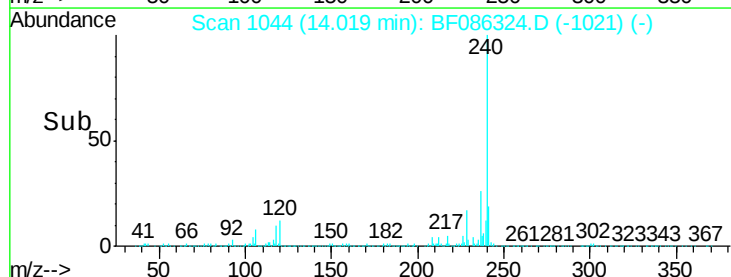
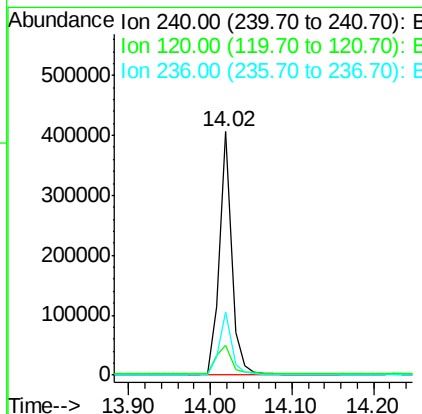
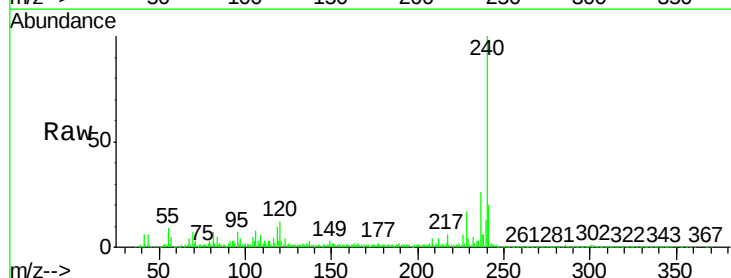
RT: 14.02 min Scan# 1044

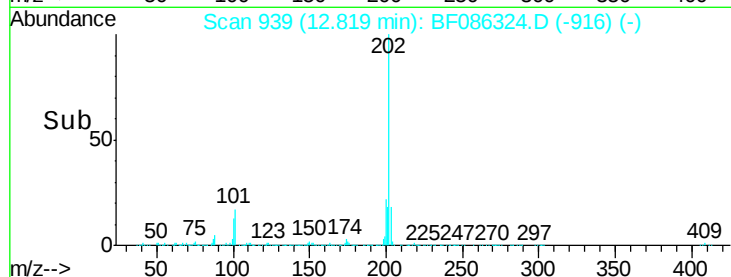
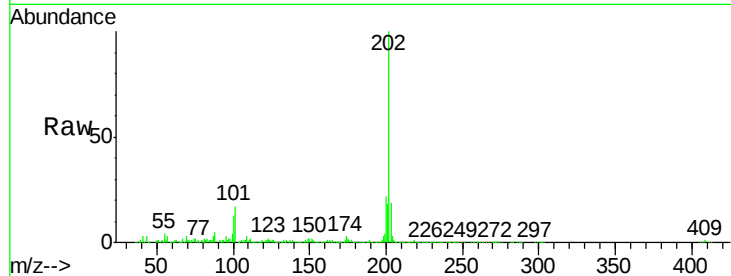
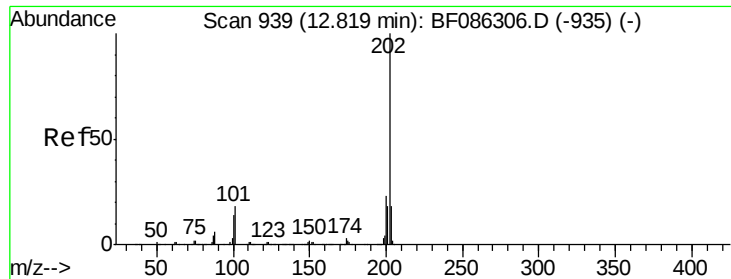
Delta R.T. -0.03 min

Lab File: BF086324.D

Acq: 20 Apr 2016 22:37

Tgt Ion:	240	Resp:	424714
Ion Ratio		Lower	Upper
240	100		
120	12.2	9.3	13.9
236	25.9	21.1	31.7





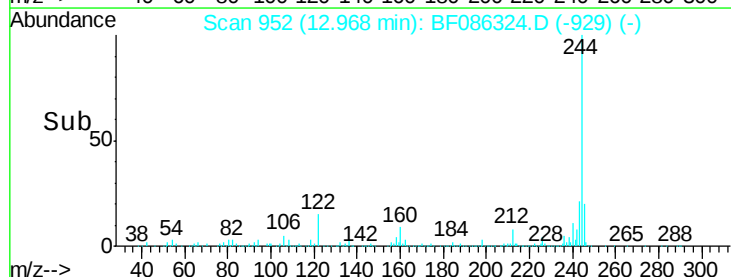
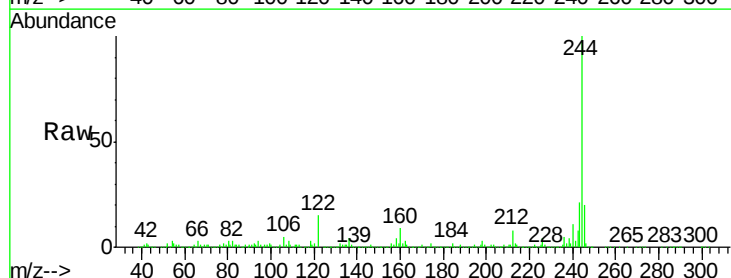
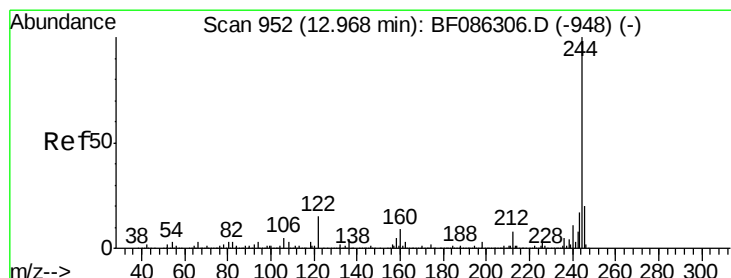
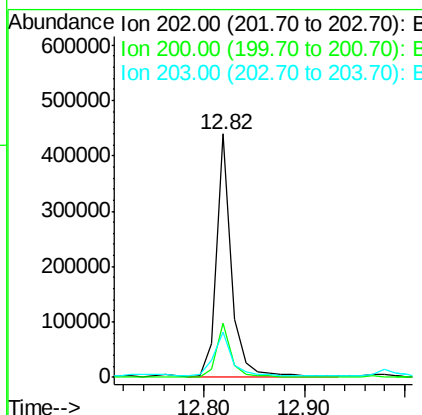
#77
Pvrene
Concen: 14.19 ng
RT: 12.82 min Scan# 939
Delta R.T. -0.03 min
Lab File: BF086324.D
Acq: 20 Apr 2016 22:37

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.3	18.3	27.5	
203	18.5	14.9	22.3	

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

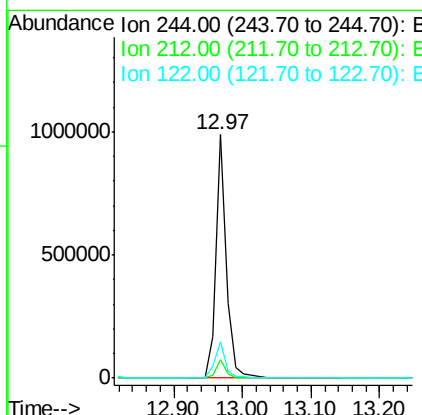
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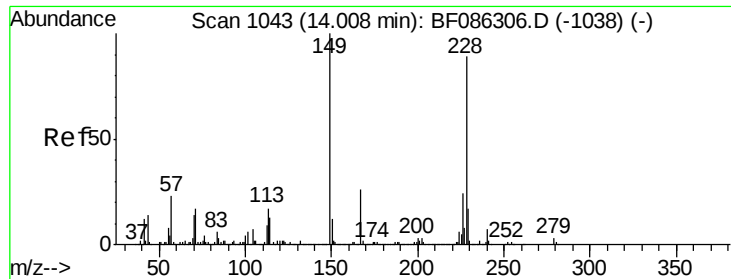
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#78
Terphenyl-d14
Concen: 59.57 ng
RT: 12.97 min Scan# 952
Delta R.T. -0.03 min
Lab File: BF086324.D
Acq: 20 Apr 2016 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.6	6.4	9.6	
122	15.1	11.7	17.5	





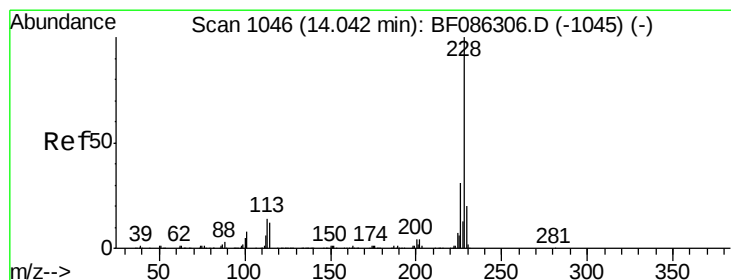
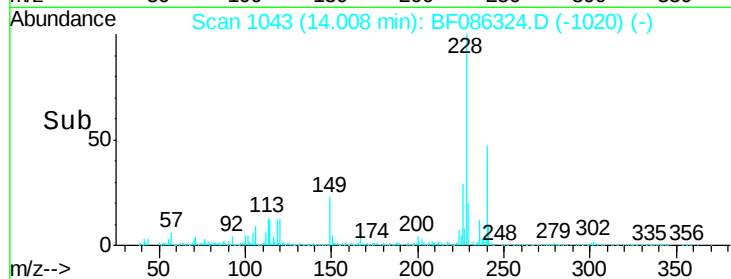
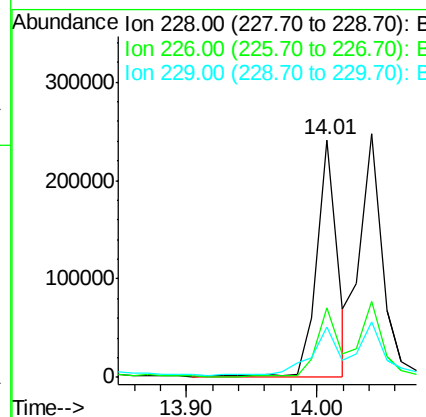
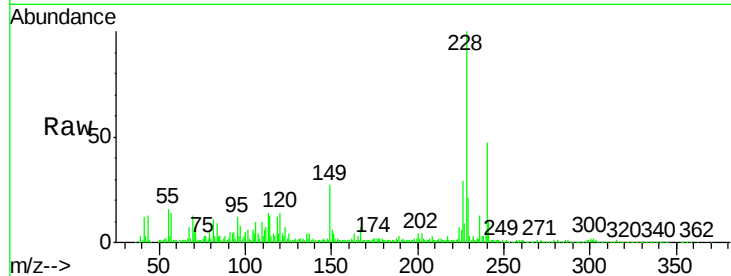
#80
Benzo(a)anthracene
Concen: 11.48 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF086324.D
Acq: 20 Apr 2016 22:37

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.5	33.7
229	21.1	16.2	24.2

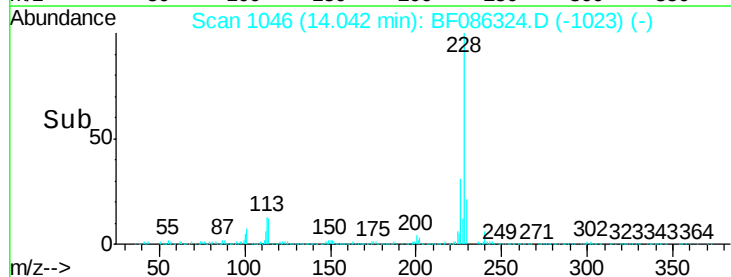
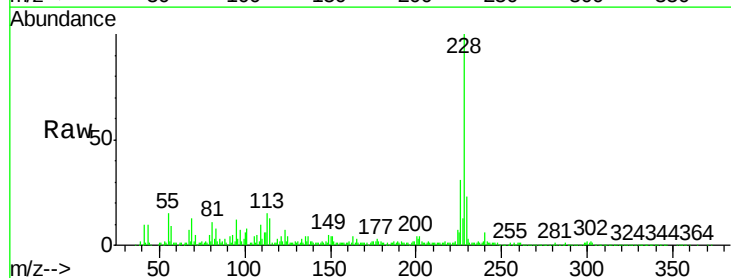
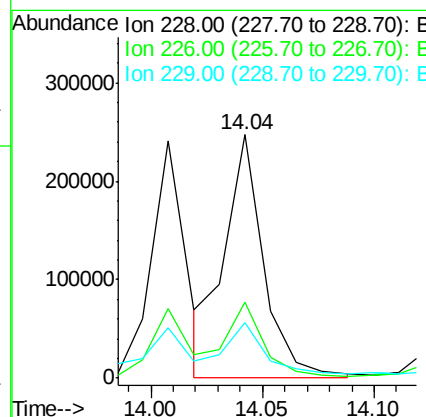
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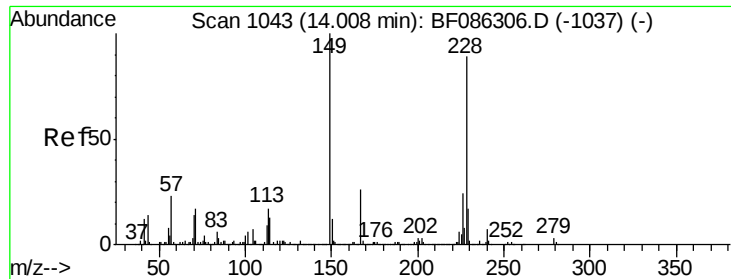
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#82
Chrysene
Concen: 12.45 ng m
RT: 14.04 min Scan# 1046
Delta R.T. -0.03 min
Lab File: BF086324.D
Acq: 20 Apr 2016 22:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.4	38.2
229	22.9	16.5	24.7





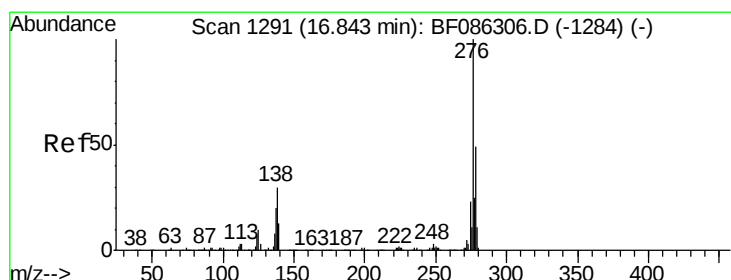
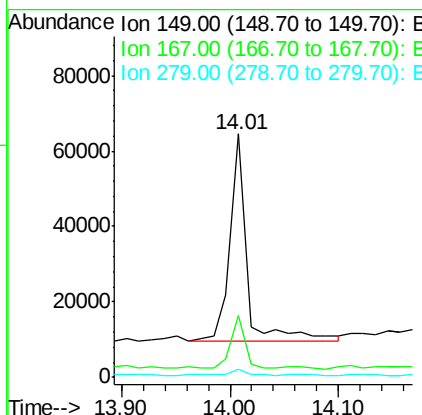
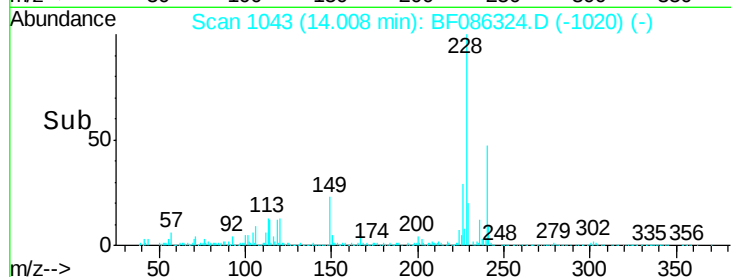
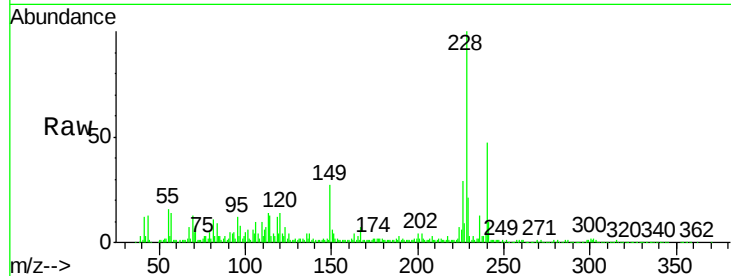
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.00 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.03 min
 Lab File: BF086324.D
 Acq: 20 Apr 2016 22:37

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

Tot Ion:	149	Resp:	58522
Ion Ratio	Lower	Upper	
149	100		
167	25.4	21.0	31.4
279	3.1	2.4	3.6

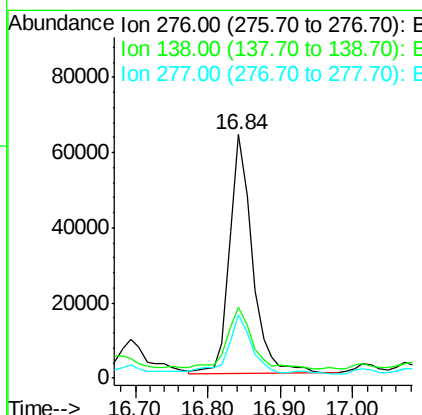
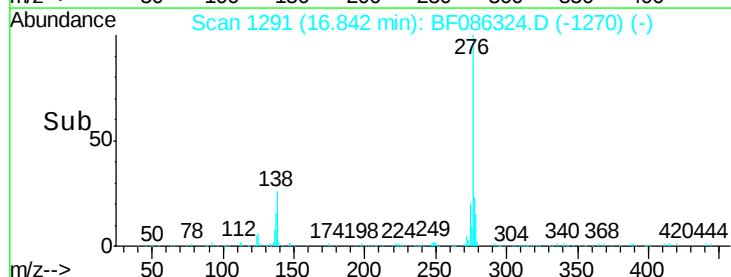
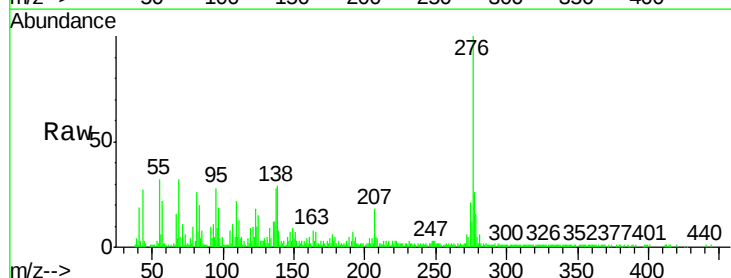
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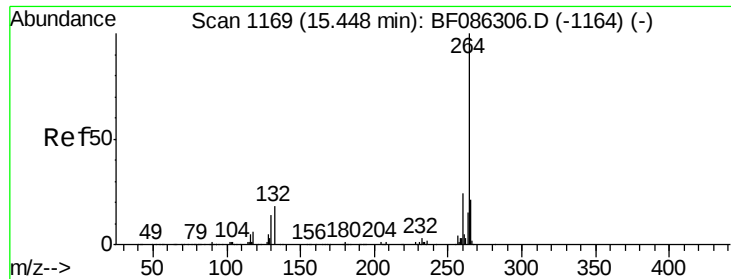
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.60 ng
 RT: 16.84 min Scan# 1291
 Delta R.T. -0.06 min
 Lab File: BF086324.D
 Acq: 20 Apr 2016 22:37

Tgt Ion:	276	Resp:	139156
Ion Ratio	Lower	Upper	
276	100		
138	28.1	23.8	35.6
277	24.3	20.2	30.2





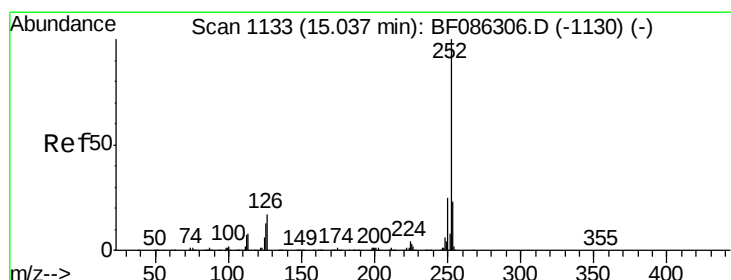
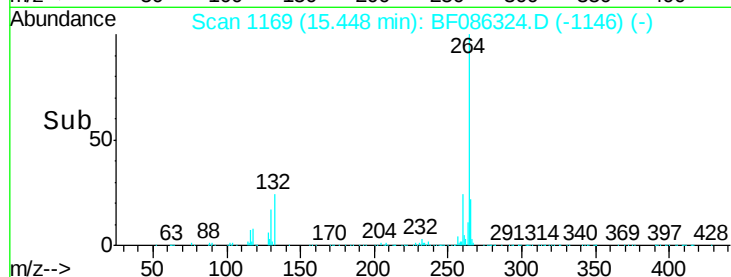
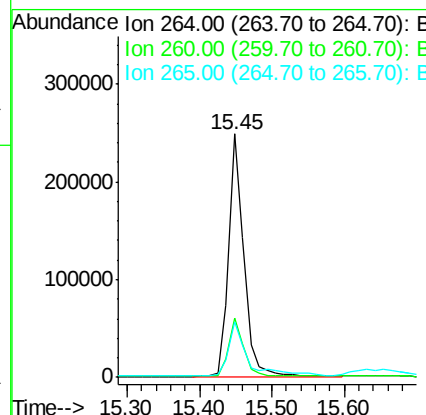
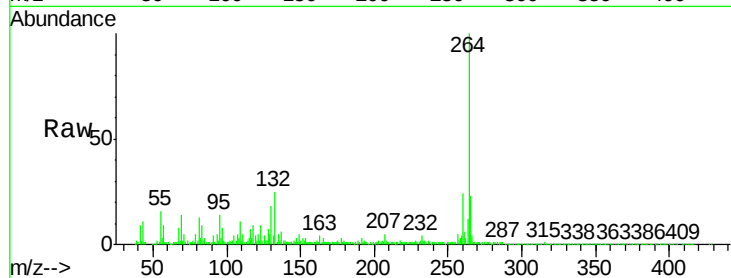
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF086324.D
Acq: 20 Apr 2016 22:37

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.0	30.0
265	22.7	17.4	26.0

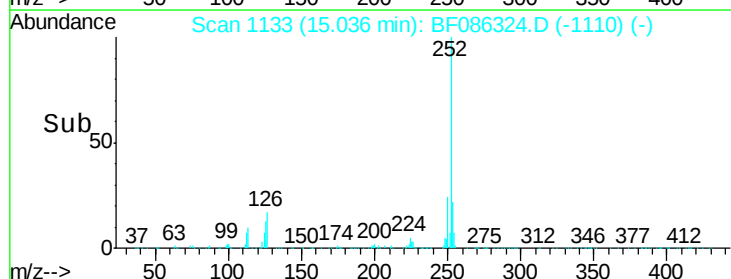
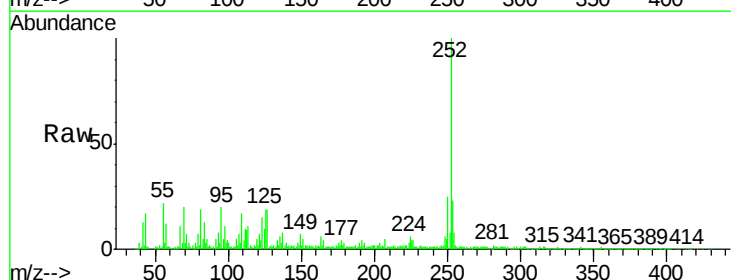
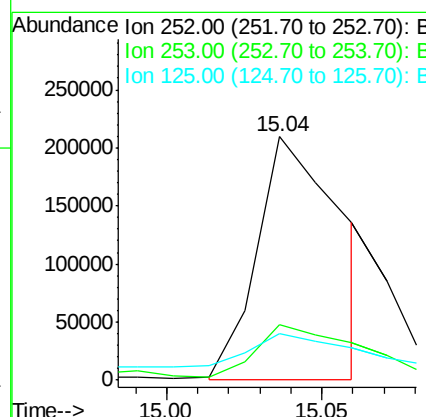
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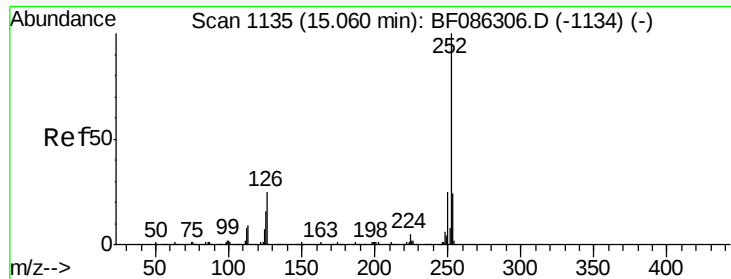
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#87
Benzo(b)fluoranthene
Concen: 18.74 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BF086324.D
Acq: 20 Apr 2016 22:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	18.9	10.3	15.5#





#88

Benzo(k)fluoranthene

Concen: 4.60 ng/mL

RT: 15.06 min Scan# 1135

Delta R.T. -0.05 min

Lab File: BF086324.D

Acq: 20 Apr 2016 22:37

Instrument :

BNA_F

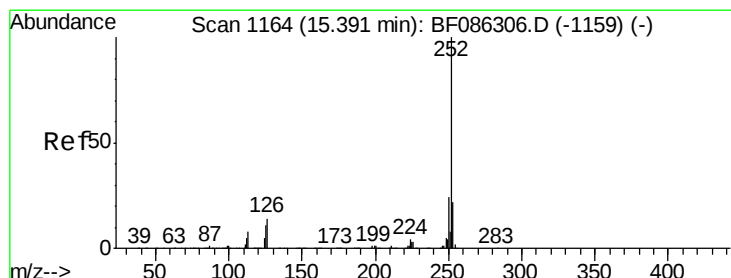
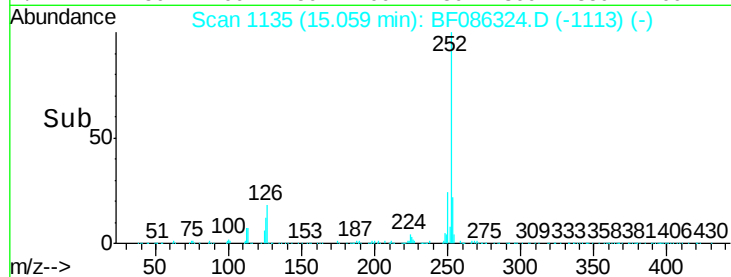
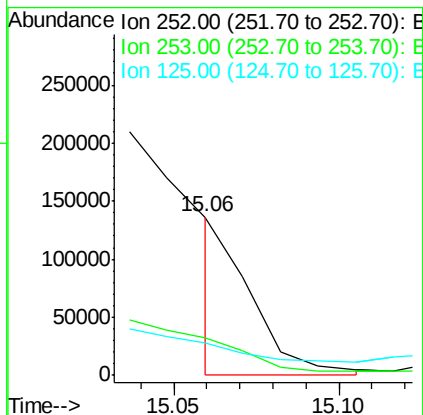
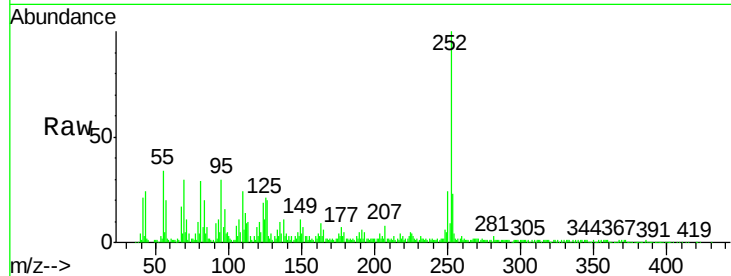
ClientSampleId :

RODNEY-AVE-PS(0-2)B

Tot Ion:	252	Resp:	81497
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.5	26.3
125	20.9	7.8	11.6

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#89

Benzo(a)pyrene

Concen: 11.19 ng/mL

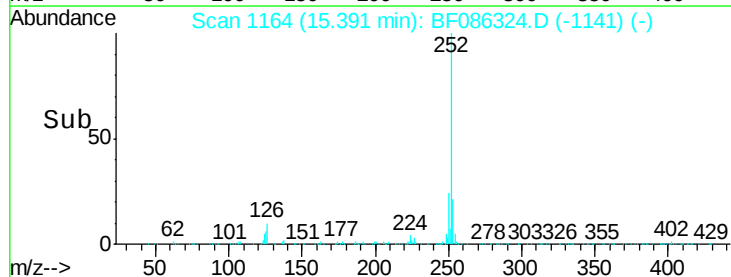
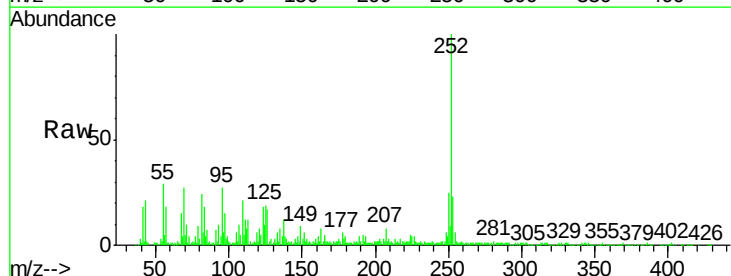
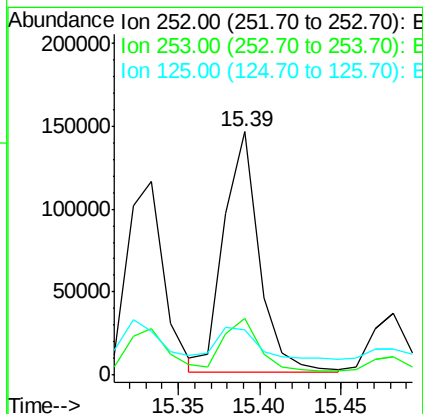
RT: 15.39 min Scan# 1164

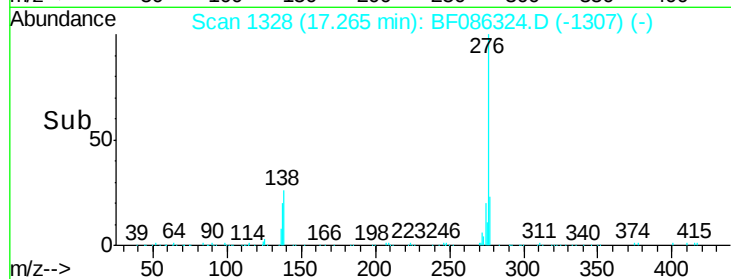
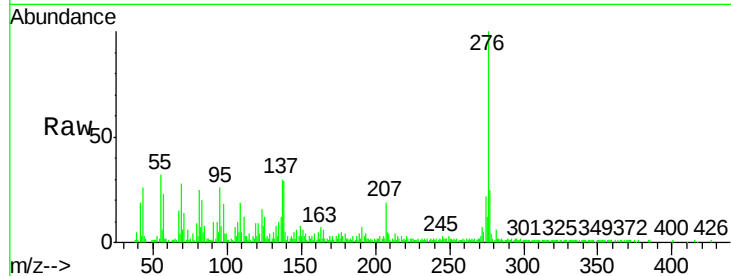
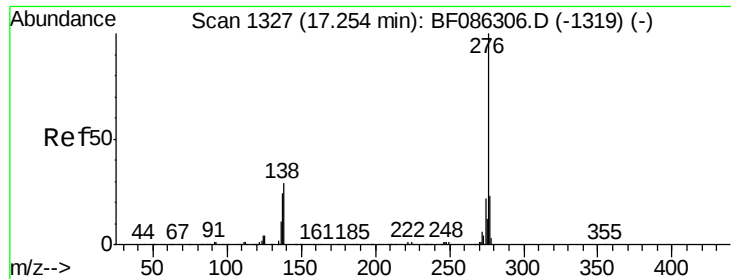
Delta R.T. -0.03 min

Lab File: BF086324.D

Acq: 20 Apr 2016 22:37

Tgt Ion:	252	Resp:	217066
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.8
125	18.6	11.2	16.8





#91
 Benzo(a,h,i)perylene
 Concen: 9.07 ng
 RT: 17.27 min Scan# 1328
 Delta R.T. -0.06 min
 Lab File: BF086324.D
 Acq: 20 Apr 2016 22:37

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.0	28.6
138	29.5	19.6	29.4

Manual Integrations
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