

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
 Data File : BF086328.D
 Acq On : 21 Apr 2016 00:32
 Operator : UM/SJ
 Sample : H2601-11
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Apr 21 02:07:06 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	245271	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	859228	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	321752	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	525948	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	405658	20.00	ng	-0.03
86) Perylene-d12	15.46	264	307620	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1533832	109.11	ng	-0.01
7) Phenol-d6	6.50	99	1992274	108.30	ng	-0.02
23) Nitrobenzene-d5	7.44	82	1271088	84.72	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	280517	111.86	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	1621423	100.13	ng	-0.03
78) Terphenyl-d14	12.98	244	1192567	69.98	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	9.77	152	83655	2.80	ng	97
49) Dimethylphthalate	9.62	163	234317	9.57	ng	99
57) Fluorene	10.45	166	35726	2.02	ng	100
70) Phenanthrene	11.41	178	469091	18.82	ng	97
71) Anthracene	11.46	178	184416	6.91	ng	97
74) Fluoranthene	12.60	202	1035265	44.80	ng	96
77) Pyrene	12.83	202	983999	32.70	ng	98
80) Benzo(a)anthracene	14.02	228	512322	23.98	ng	96
82) Chrysene	14.05	228	459428m	19.89	ng	
85) Indeno(1,2,3-cd)pyrene	16.85	276	210895	8.88	ng	94
87) Benzo(b)fluoranthene	15.05	252	471616m	26.51	ng	
88) Benzo(k)fluoranthene	15.07	252	199854m	13.34	ng	
89) Benzo(a)pyrene	15.39	252	340659	20.77	ng	# 93
90) Dibenzo(a,h)anthracene	16.87	278	44659	3.12	ng	# 71
91) Benzo(a,h,i)perylene	17.29	276	199384	14.53	ng	95

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

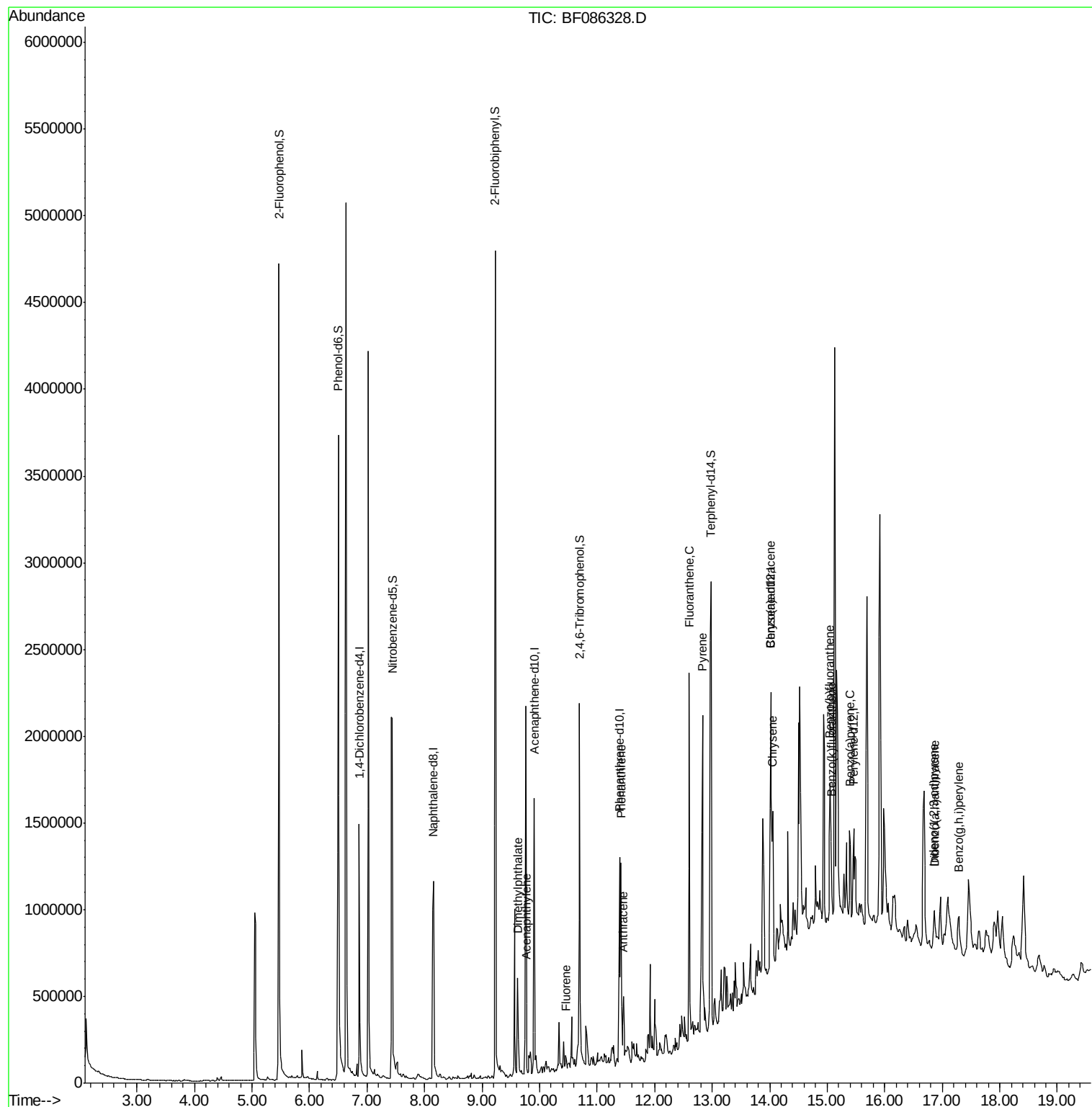
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
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ALS Vial : 30 Sample Multiplier: 1

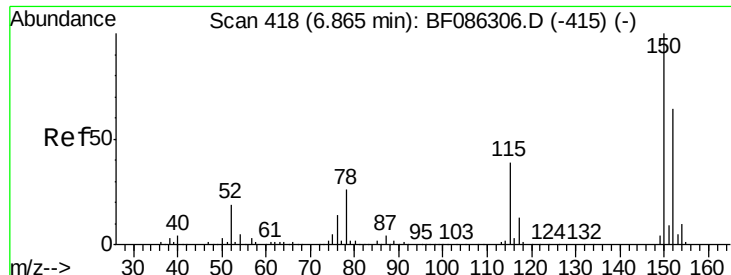
Instrument :
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#1

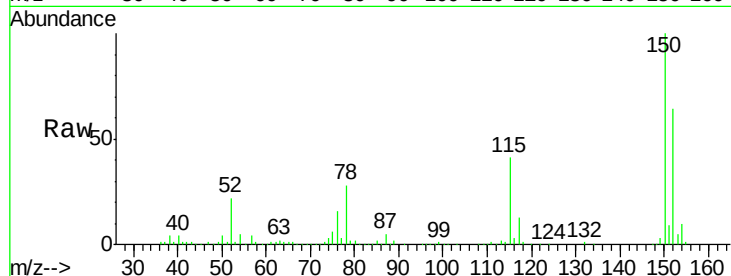
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.03 min
Lab File: BF086328.D
Acq: 21 Apr 2016 00:32

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

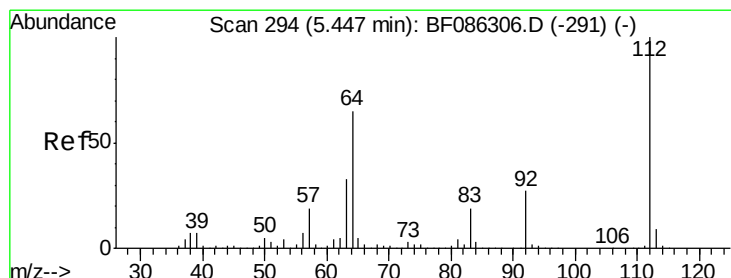
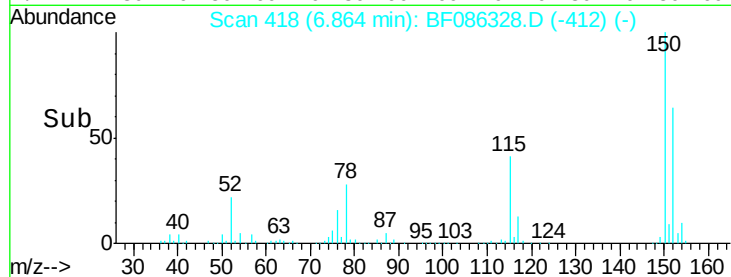
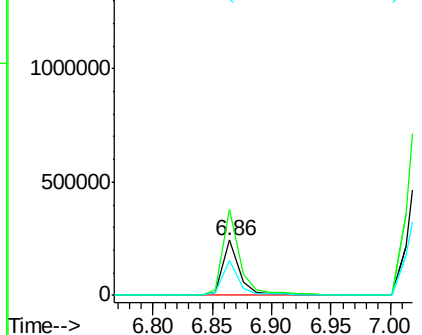
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.1	186.1
115	64.8	43.9	65.9

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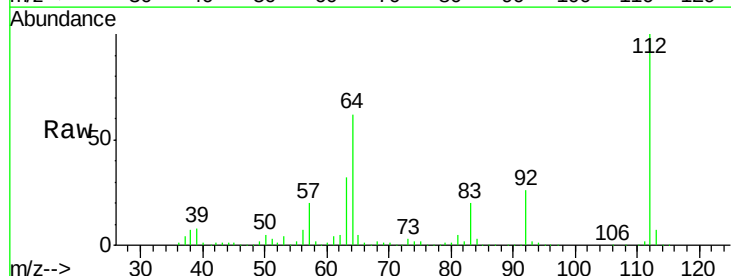
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



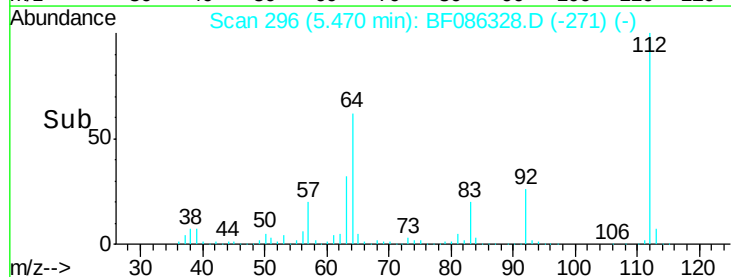
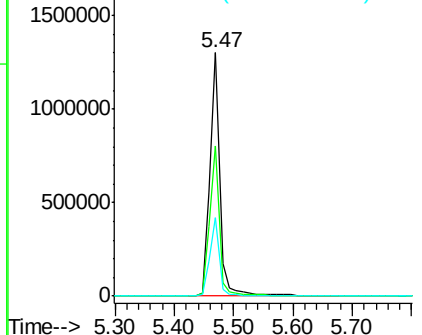
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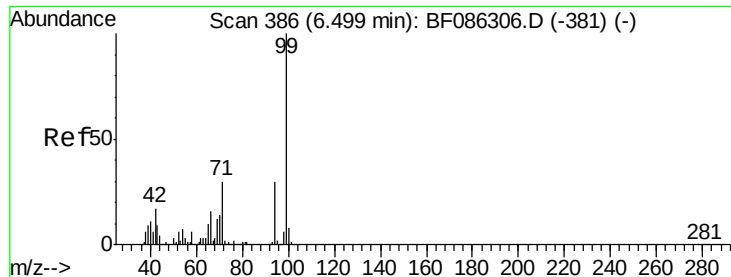
2-Fluorophenol
Concen: 109.11 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.01 min
Lab File: BF086328.D
Acq: 21 Apr 2016 00:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	48.1	72.1
63	32.1	25.5	38.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.30 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086328.D

Acq: 21 Apr 2016 00:32

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)F

Tot Ion: 99 Resp: 1992274

Ion Ratio Lower Upper

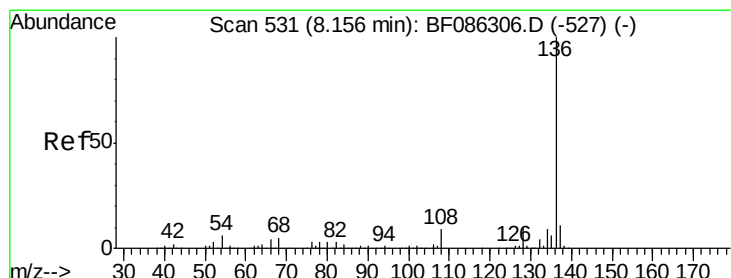
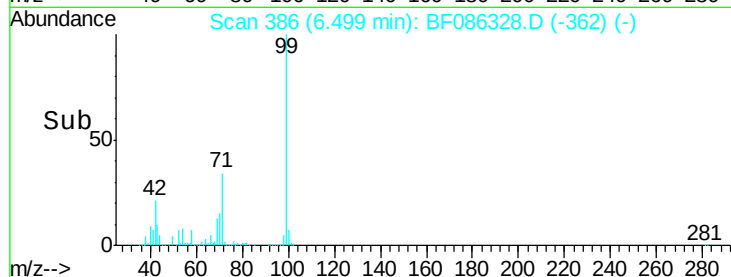
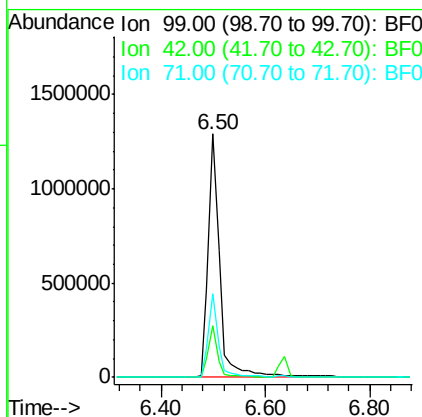
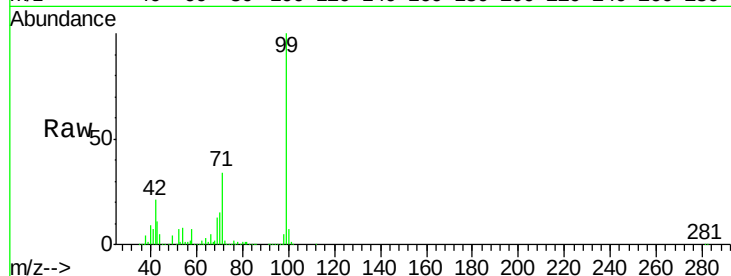
99 100

42 21.1 15.4 23.2

71 34.3 25.6 38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF086328.D

Acq: 21 Apr 2016 00:32

Tgt Ion: 136 Resp: 859228

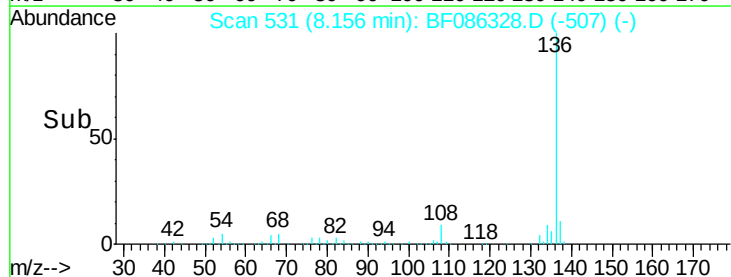
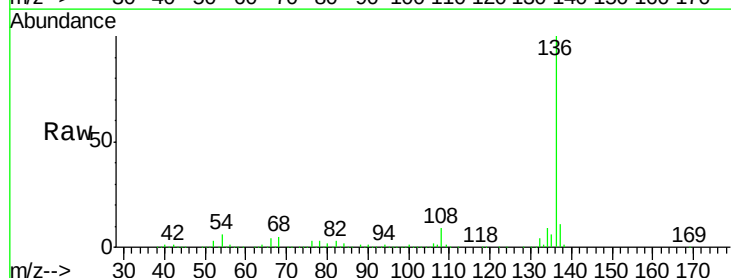
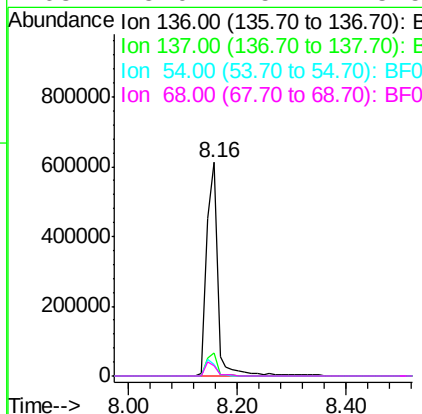
Ion Ratio Lower Upper

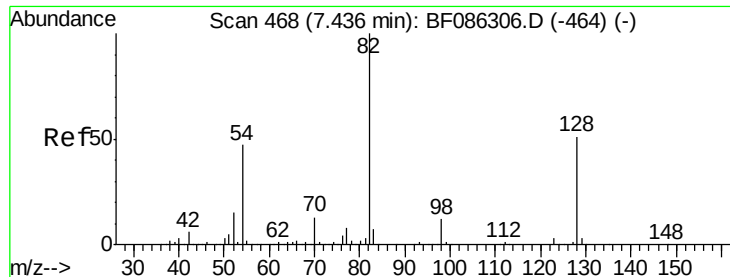
136 100

137 10.7 9.1 13.7

54 5.6 7.3 10.9#

68 5.0 5.7 8.5#





#23

Nitrobenzene-d5

Concen: 84.72 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF086328.D

Acq: 21 Apr 2016 00:32

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)F

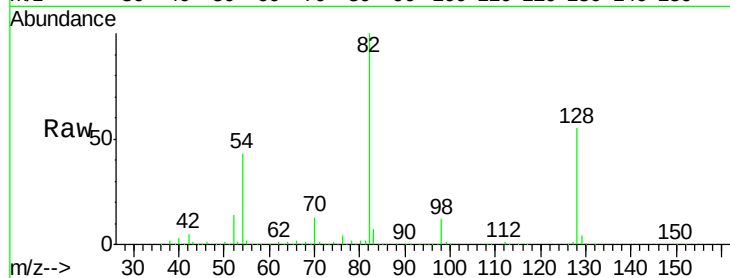
Tot Ion: 82 Resp: 1271088

Ion Ratio Lower Upper

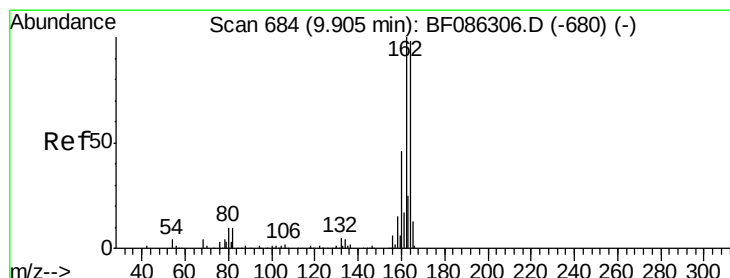
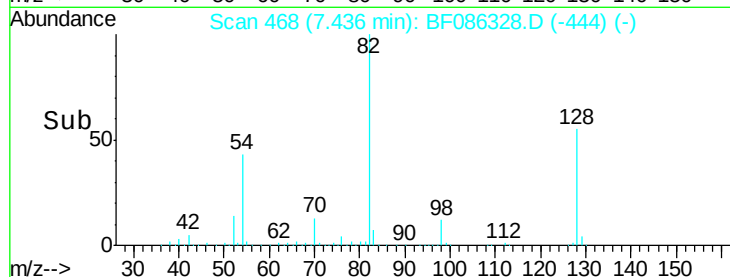
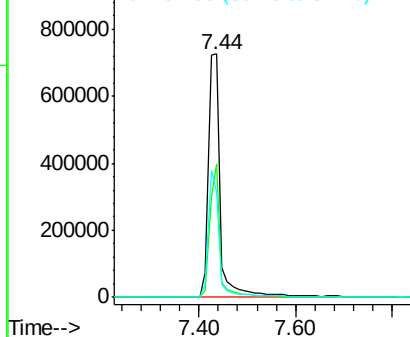
82	100		
128	54.9	35.4	53.2#
54	43.5	43.4	65.0

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
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

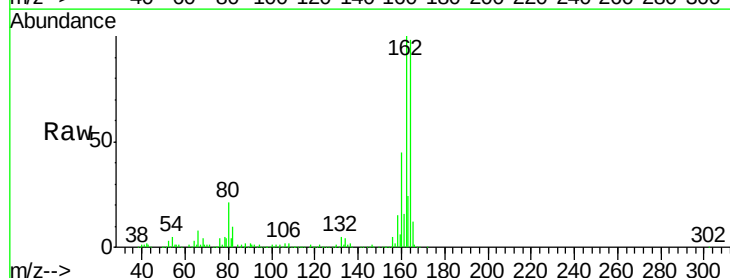
Lab File: BF086328.D

Acq: 21 Apr 2016 00:32

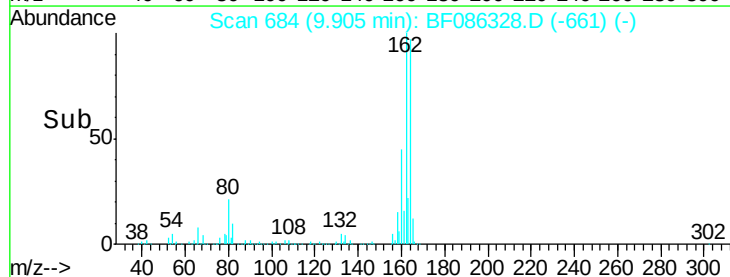
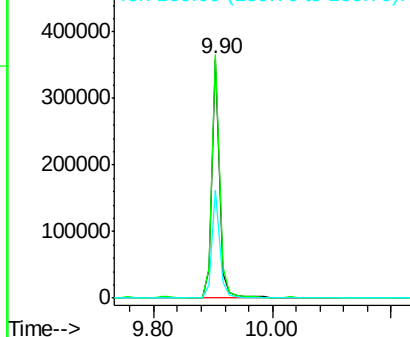
Tgt Ion:164 Resp: 321752

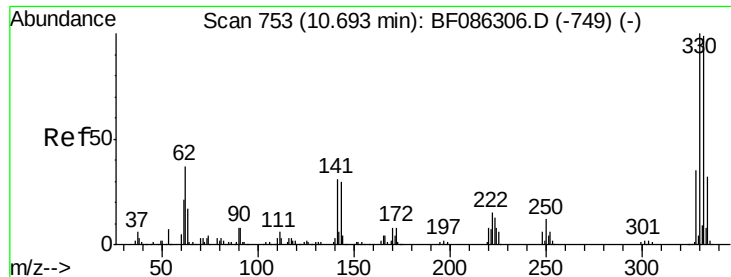
Ion Ratio Lower Upper

164	100		
162	102.0	82.8	124.2
160	45.4	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





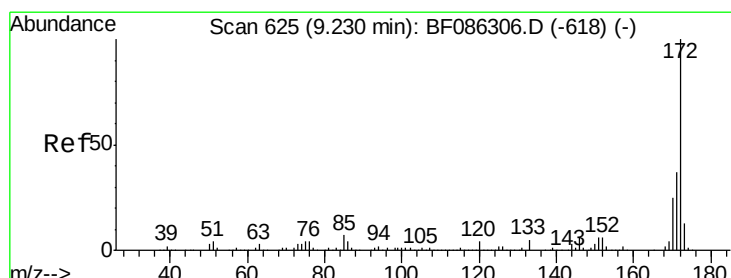
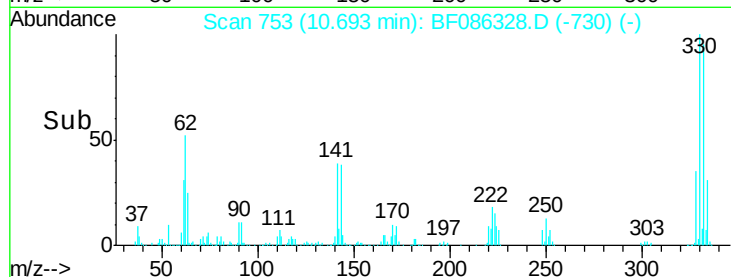
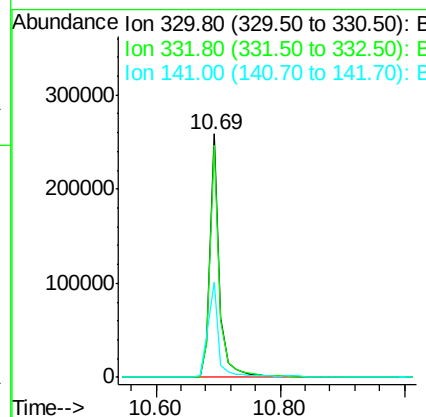
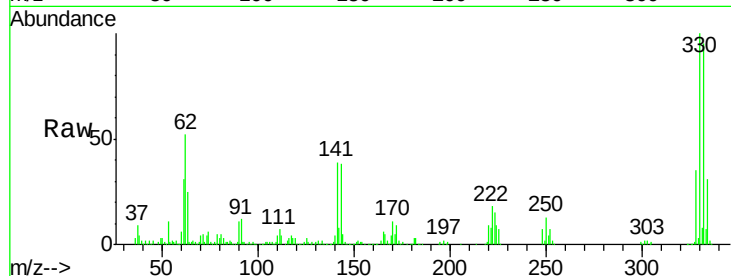
#41
 2,4,6-Tribromophenol
 Concen: 111.86 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.03 min
 Lab File: BF086328.D
 Acq: 21 Apr 2016 00:32

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	280517		
332	96.0		78.7	118.1
141	41.6		28.6	42.8

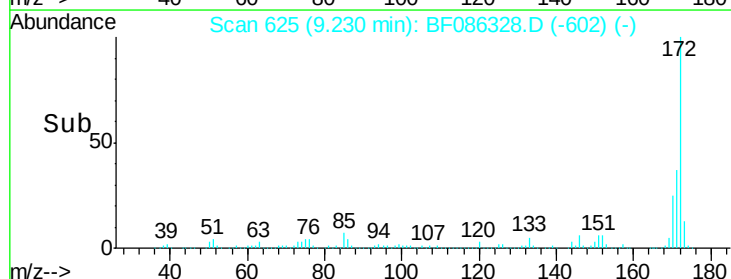
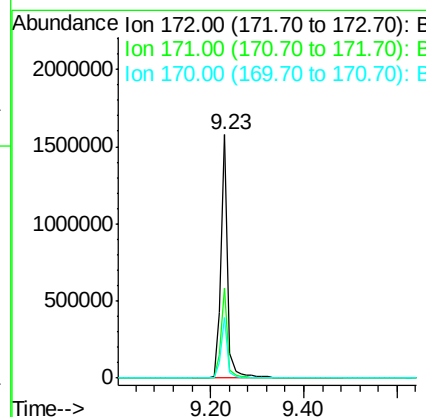
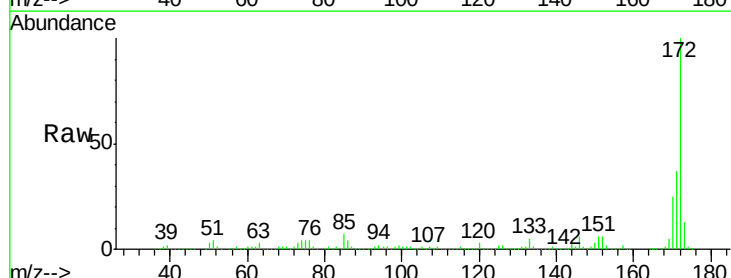
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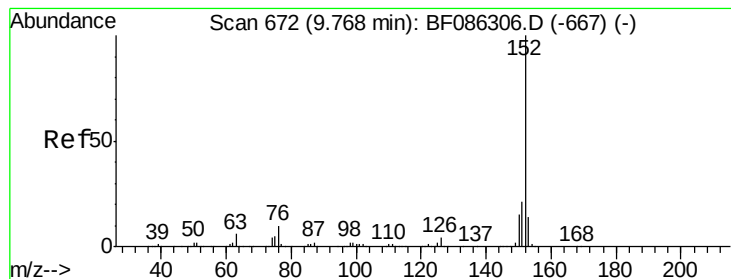
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#44
 2-Fluorobiphenyl
 Concen: 100.13 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF086328.D
 Acq: 21 Apr 2016 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1621423		
171	36.8		29.1	43.7
170	25.0		19.9	29.9





#48

Acenaphthylene

Concen: 2.80 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.03 min

Lab File: BF086328.D

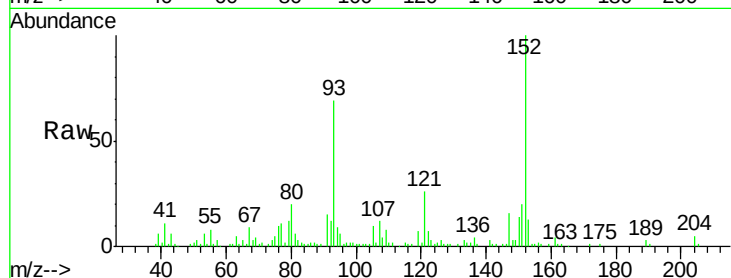
Acq: 21 Apr 2016 00:32

Instrument :

BNA_F

ClientSampleId :

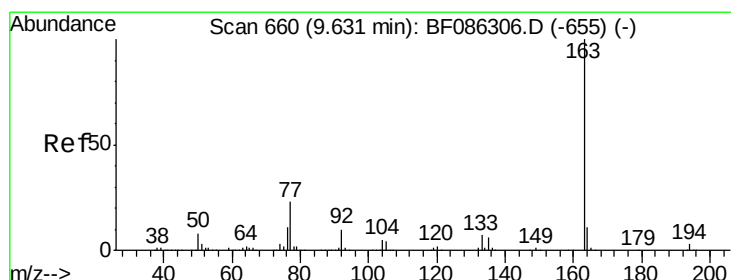
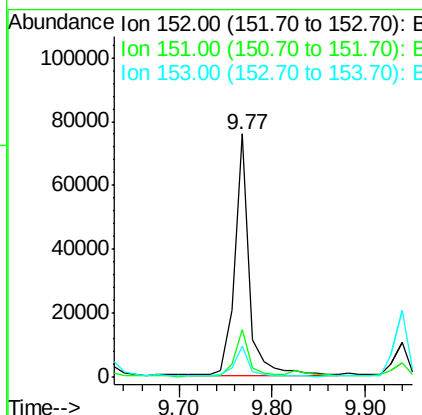
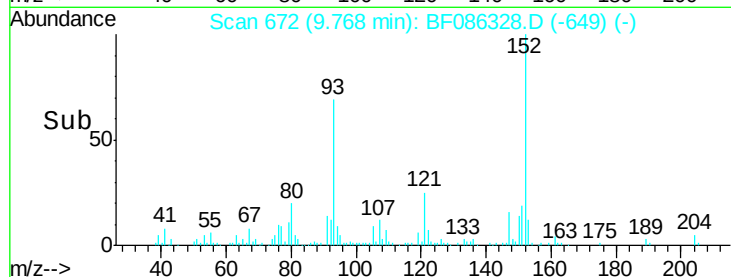
RODNEY-AVE-PS(0-2)F



Tot Ion:	152	Resp:	83655
Ion Ratio	Lower	Upper	
152	100		
151	19.8	17.2	25.8
153	12.8	10.7	16.1

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#49

Dimethylphthalate

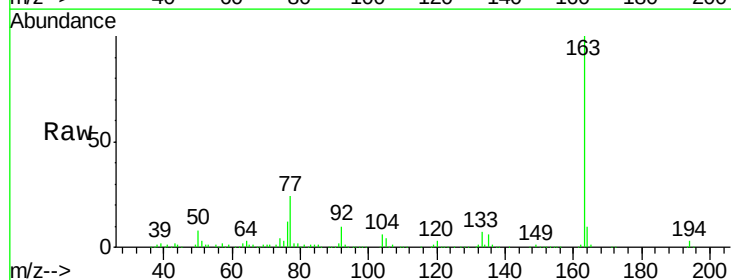
Concen: 9.57 ng

RT: 9.62 min Scan# 659

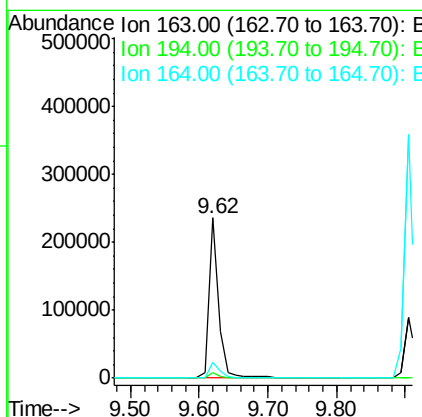
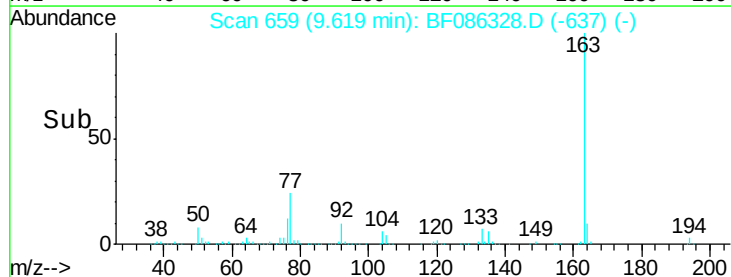
Delta R.T. -0.05 min

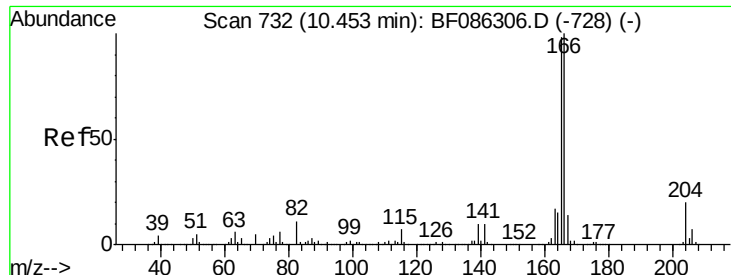
Lab File: BF086328.D

Acq: 21 Apr 2016 00:32



Tgt Ion:	163	Resp:	234317
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.8	4.2
164	9.9	8.4	12.6





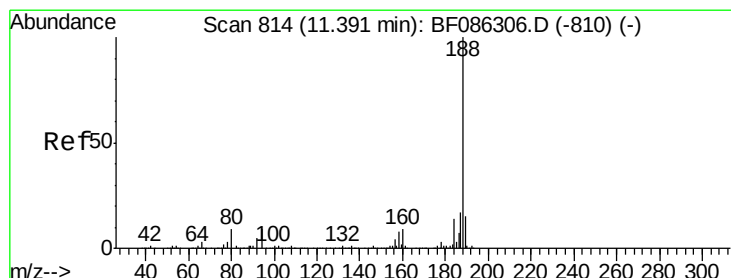
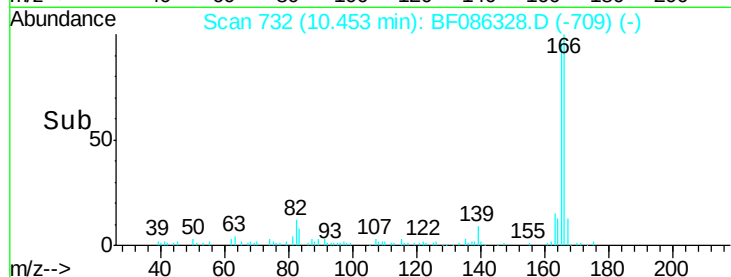
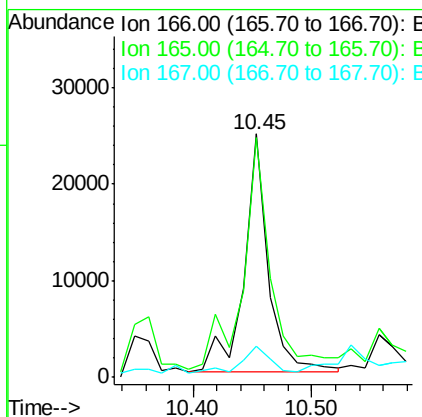
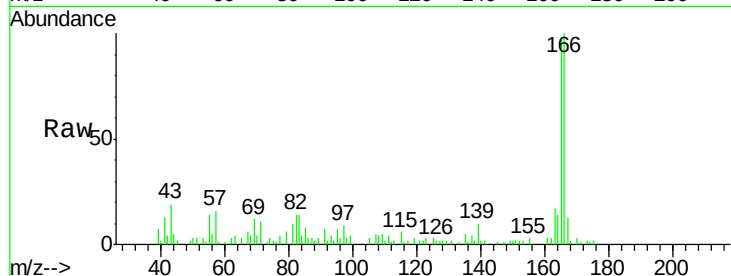
#57
Fluorene
 Concen: 2.02 ng
 RT: 10.45 min Scan# 732
 Delta R.T. -0.03 min
 Lab File: BF086328.D
 Acq: 21 Apr 2016 00:32

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.6	117.8
167	12.8	10.4	15.6

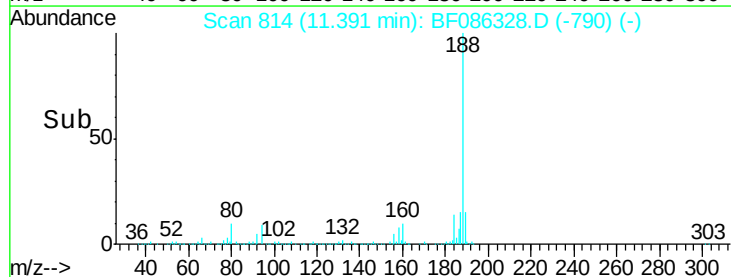
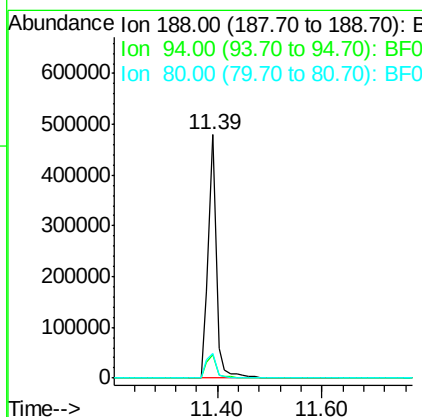
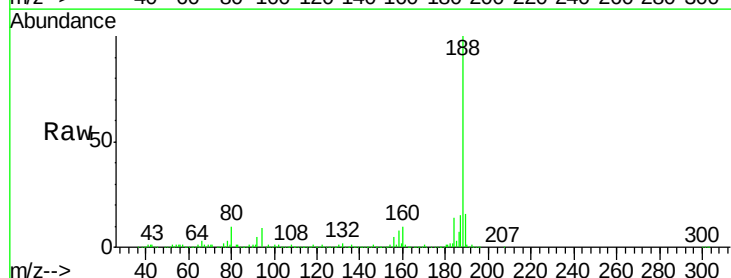
Manual Integrations
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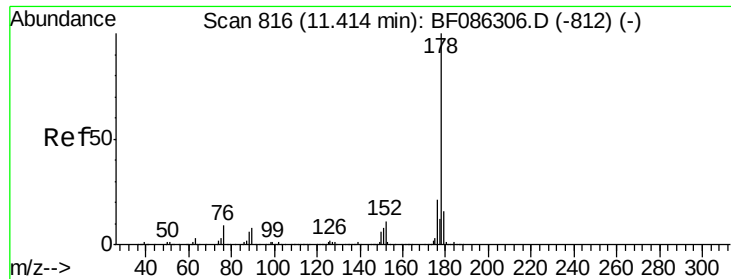
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.02 min
 Lab File: BF086328.D
 Acq: 21 Apr 2016 00:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.8	14.8#
80	10.0	10.5	15.7#





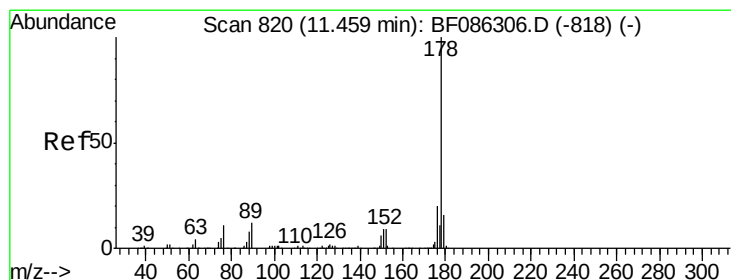
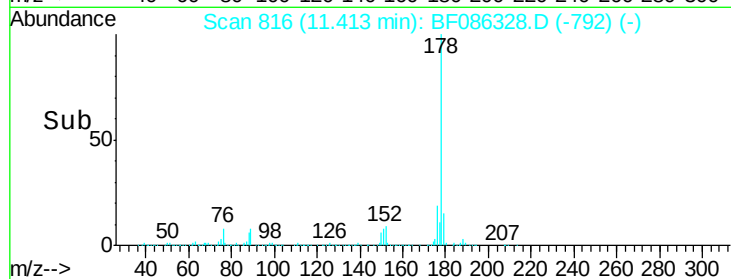
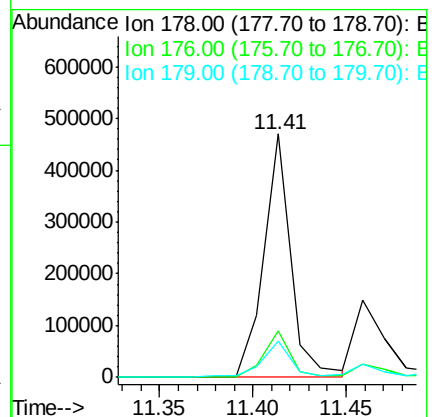
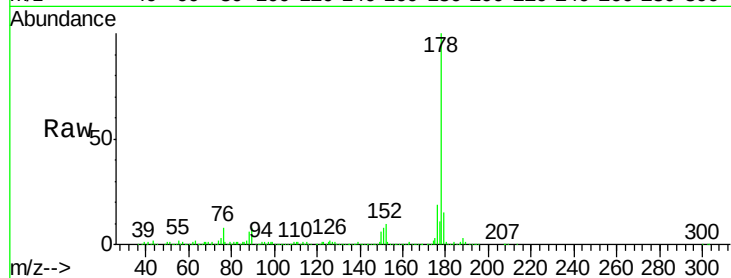
#70
Phenanthrene
Concen: 18.82 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF086328.D
Acq: 21 Apr 2016 00:32

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.3	24.5
179	15.1	13.0	19.6

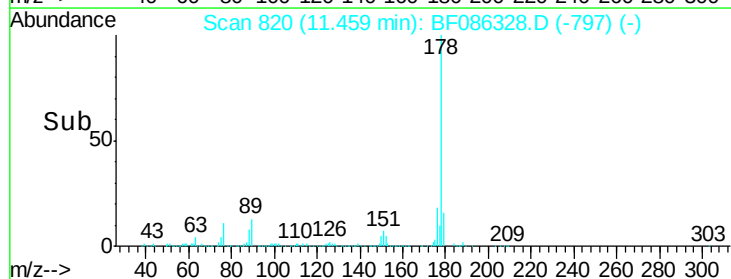
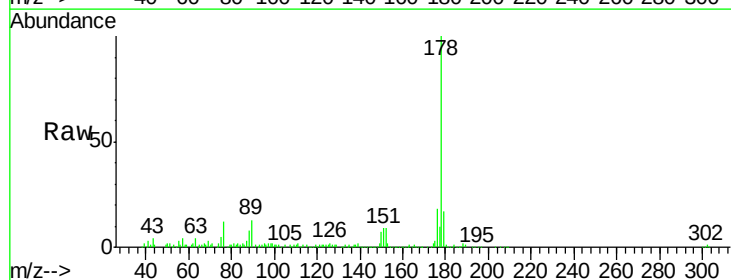
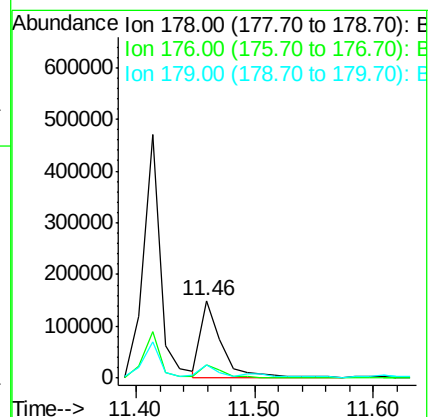
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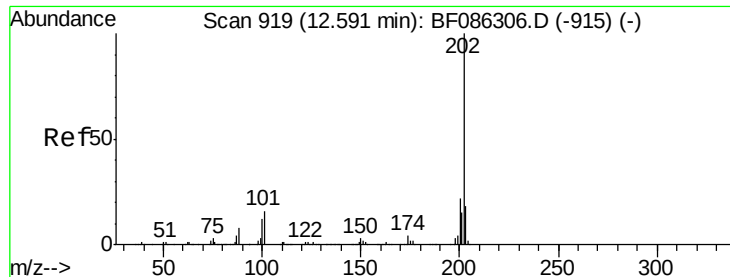
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#71
Anthracene
Concen: 6.91 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.03 min
Lab File: BF086328.D
Acq: 21 Apr 2016 00:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	16.2	24.4
179	16.5	13.2	19.8





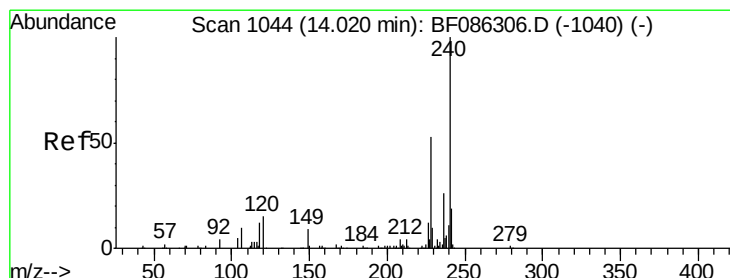
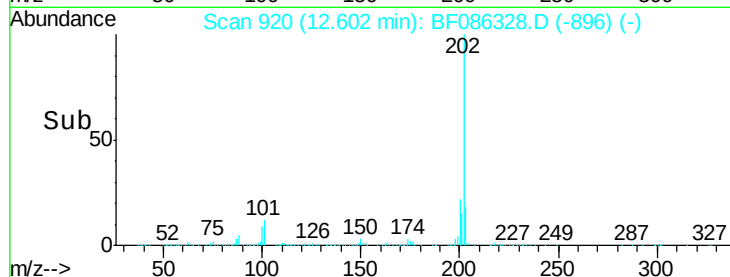
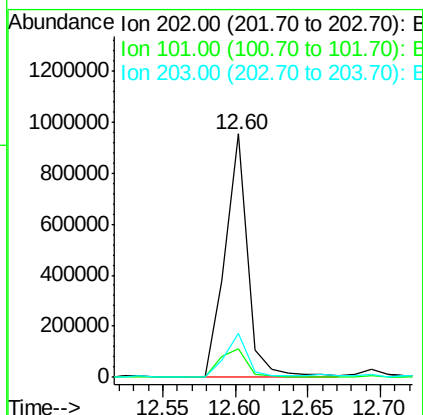
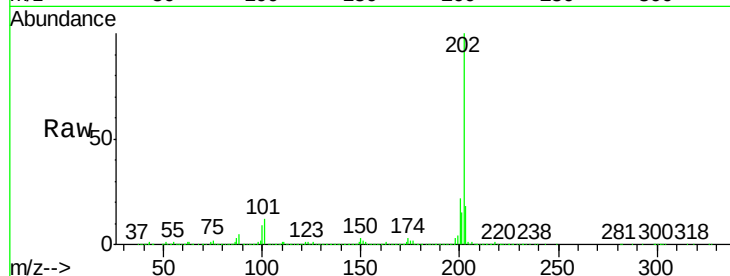
#74
 Fluoranthene
 Concen: 44.80 ng
 RT: 12.60 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: BF086328.D
 Acq: 21 Apr 2016 00:32

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

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	35.2
203	18.2	0.0	38.2

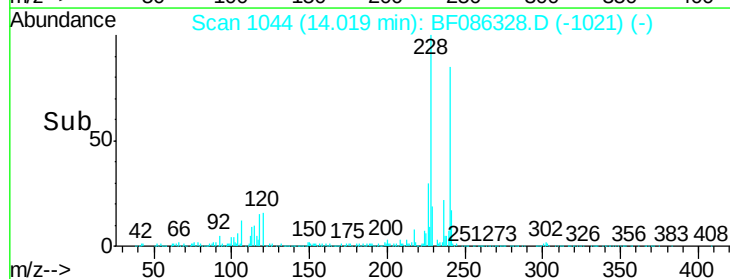
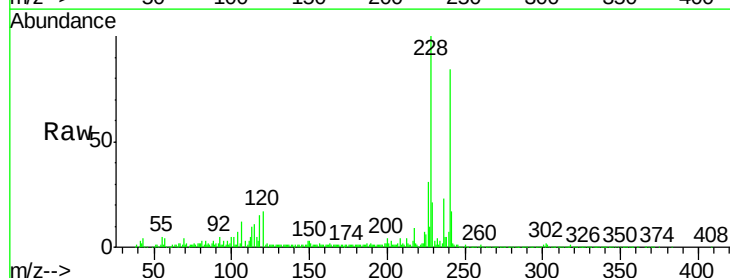
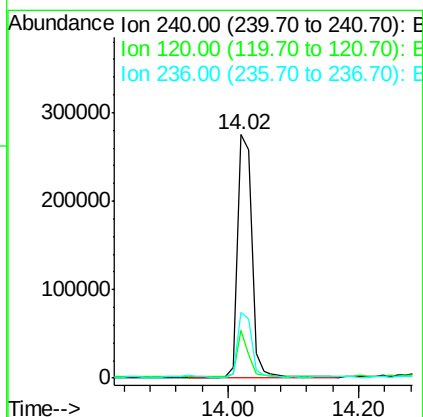
Manual Integrations
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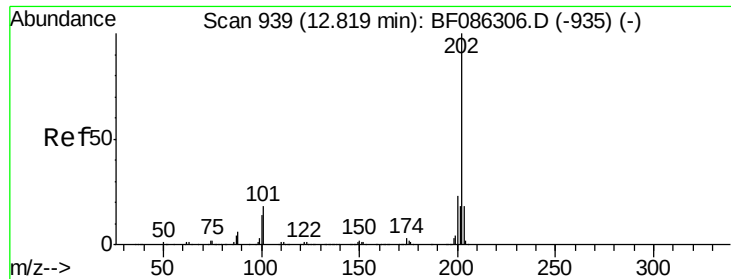
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. -0.03 min
 Lab File: BF086328.D
 Acq: 21 Apr 2016 00:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.7	9.3	13.9#
236	26.8	21.1	31.7





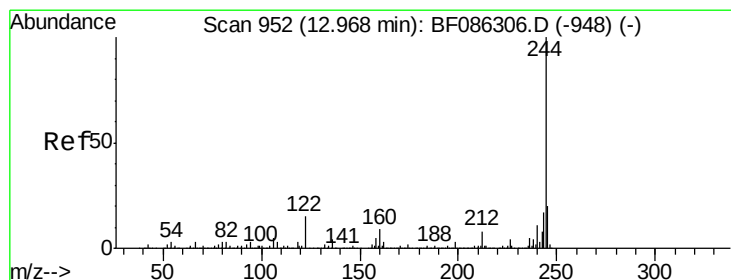
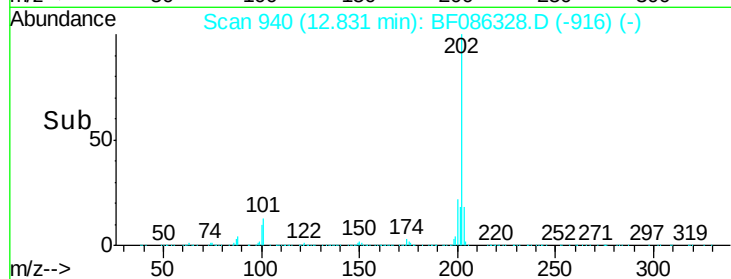
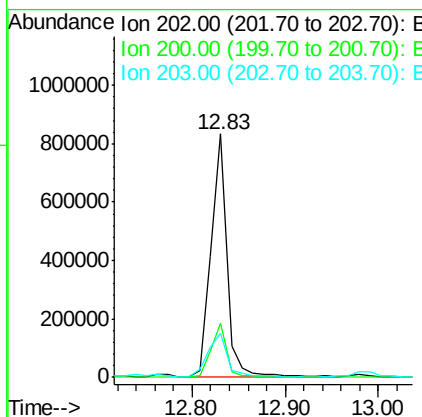
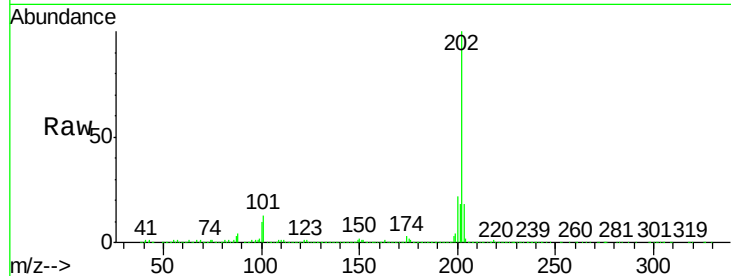
#77
Pvrene
Concen: 32.70 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.02 min
Lab File: BF086328.D
Acq: 21 Apr 2016 00:32

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

Tot Ion	Ratio	Resp	Lower	Upper
202	100	983999		
200	22.2		18.3	27.5
203	17.8		14.9	22.3

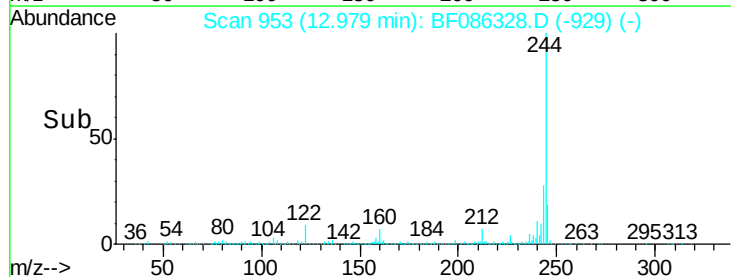
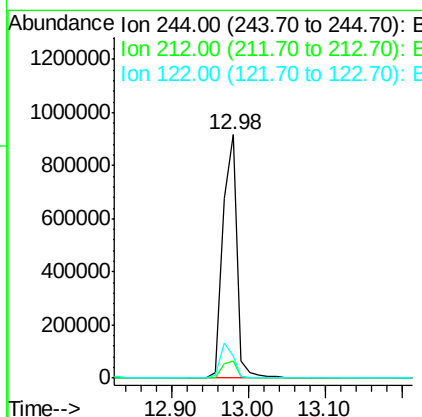
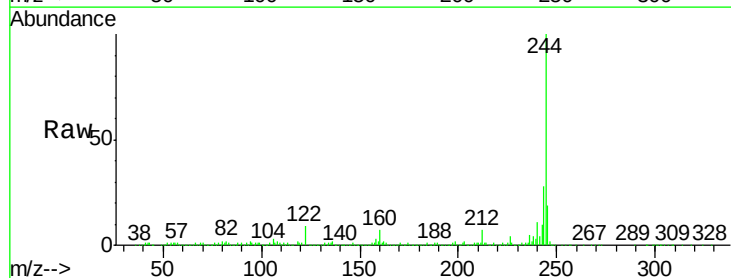
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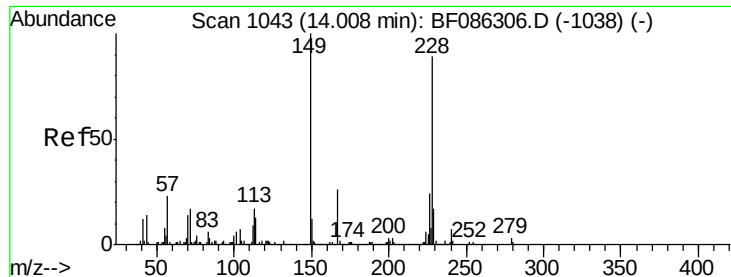
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#78
Terphenyl-d14
Concen: 69.98 ng
RT: 12.98 min Scan# 953
Delta R.T. -0.02 min
Lab File: BF086328.D
Acq: 21 Apr 2016 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1192567		
212	6.8		6.4	9.6
122	9.2		11.7	17.5





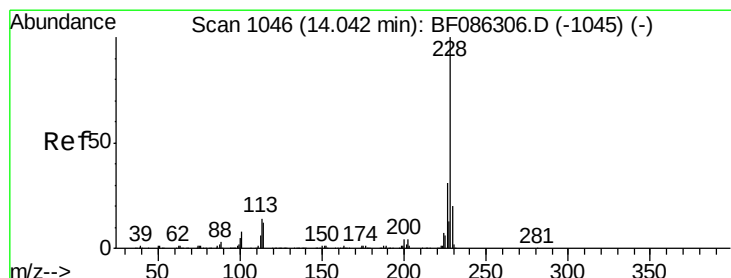
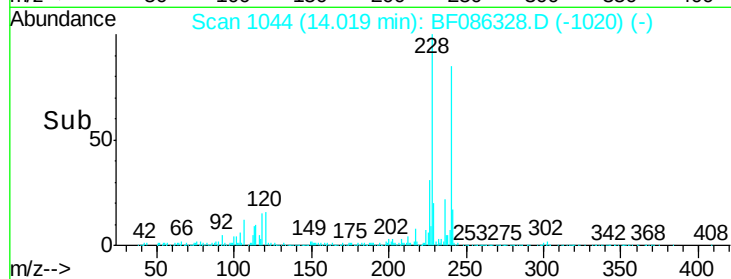
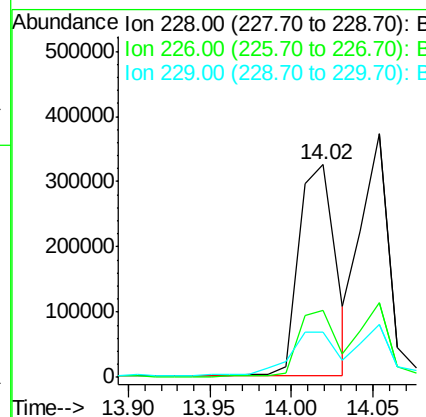
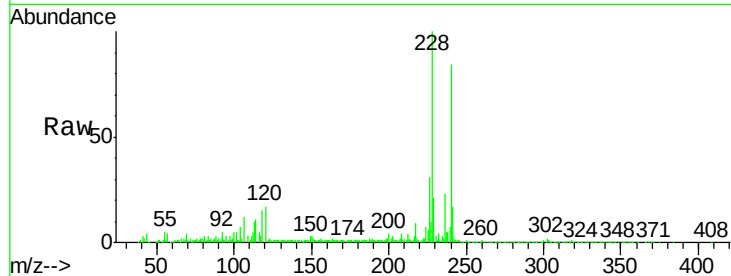
#80
Benzo(a)anthracene
Concen: 23.98 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BF086328.D
Acq: 21 Apr 2016 00:32

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.5	33.7
229	21.1	16.2	24.2

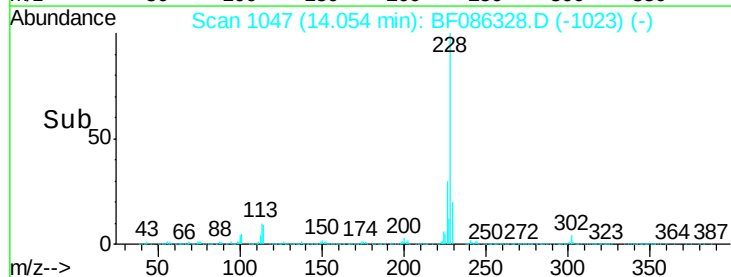
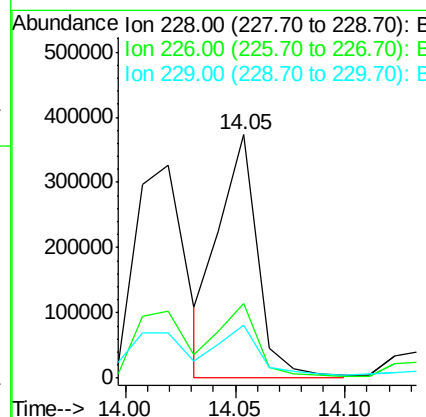
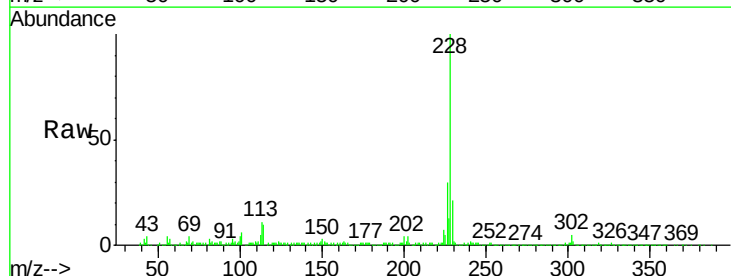
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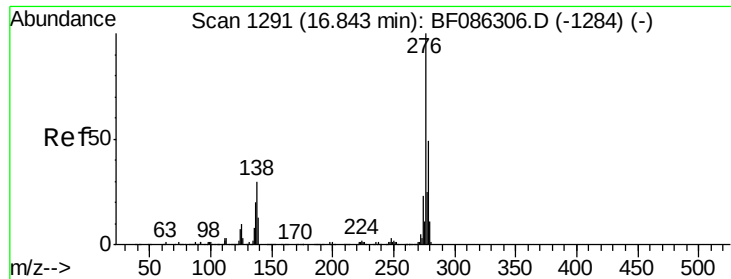
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#82
Chrysene
Concen: 19.89 ng m
RT: 14.05 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF086328.D
Acq: 21 Apr 2016 00:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.4	38.2
229	21.5	16.5	24.7





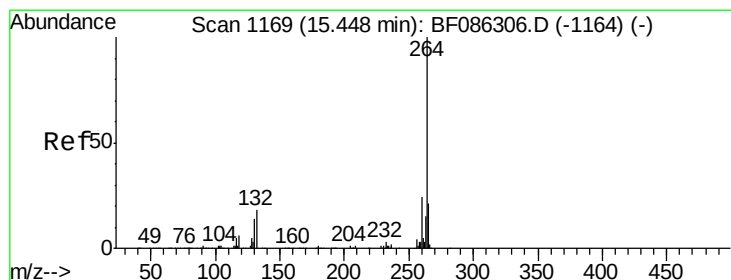
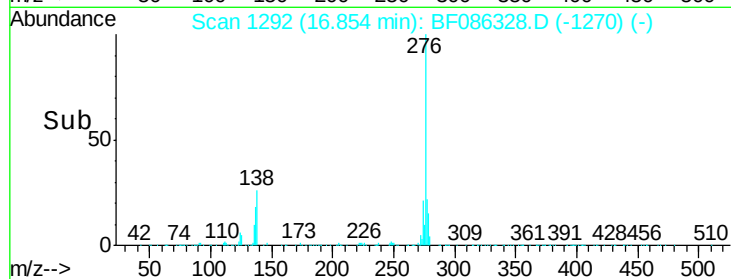
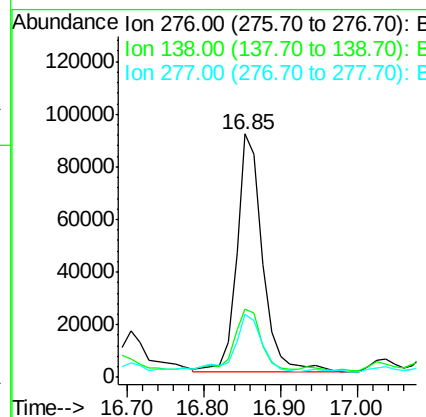
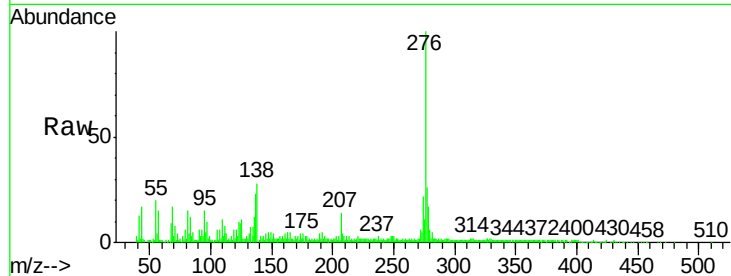
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.88 ng
RT: 16.85 min Scan# 1292
Delta R.T. -0.05 min
Lab File: BF086328.D
Acq: 21 Apr 2016 00:32

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	23.8	35.6
277	26.6	20.2	30.2

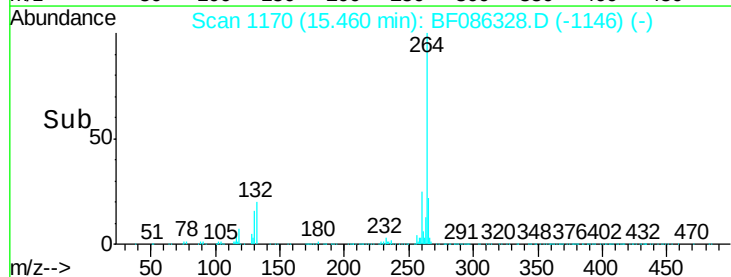
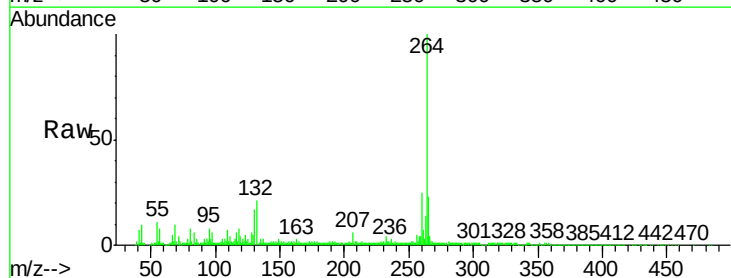
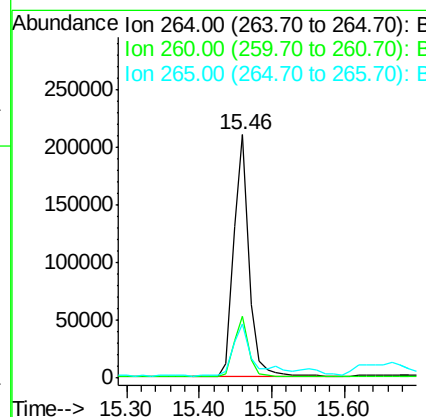
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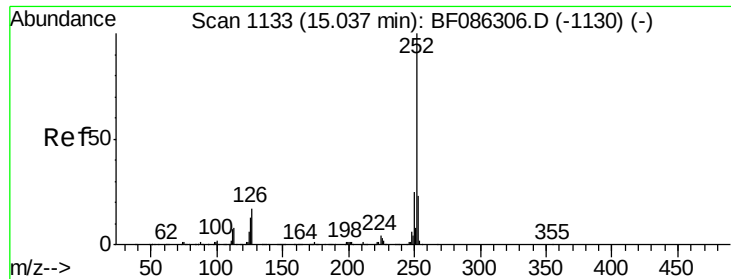
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF086328.D
Acq: 21 Apr 2016 00:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.0	30.0
265	22.5	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 26.51 ng m

RT: 15.05 min Scan# 1134

Delta R.T. -0.02 min

Lab File: BF086328.D

Acq: 21 Apr 2016 00:32

Instrument :

BNA_F

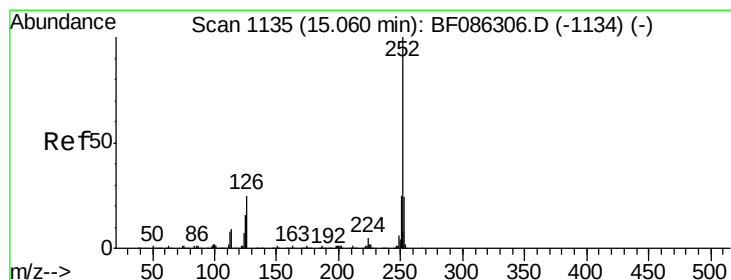
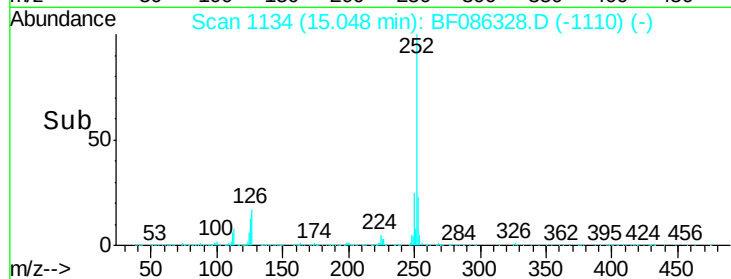
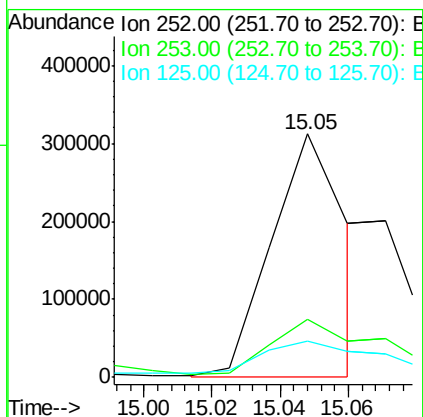
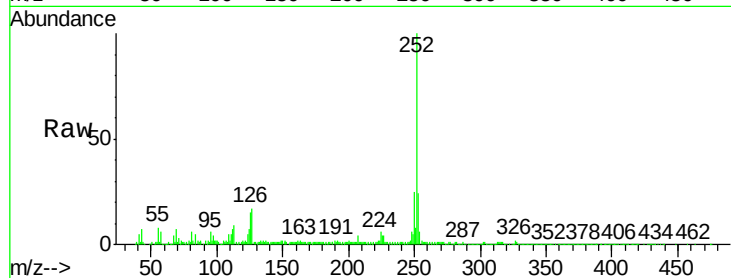
ClientSampleId :

RODNEY-AVE-PS(0-2)F

Tot Ion:	252	Resp:	471616
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.7	26.5
125	15.1	10.3	15.5

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#88

Benzo(k)fluoranthene

Concen: 13.34 ng m

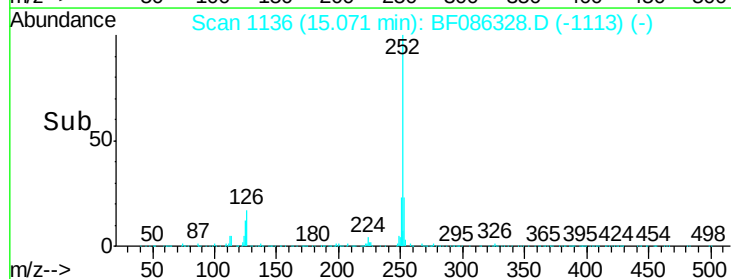
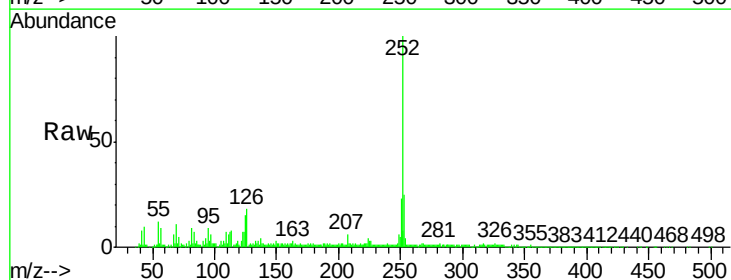
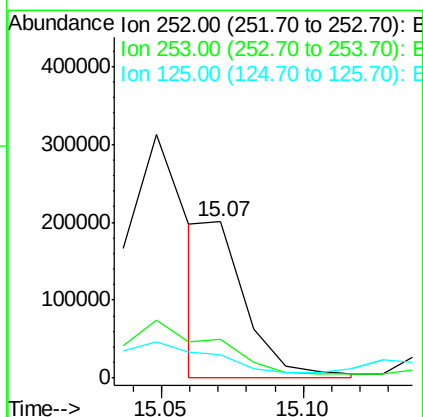
RT: 15.07 min Scan# 1136

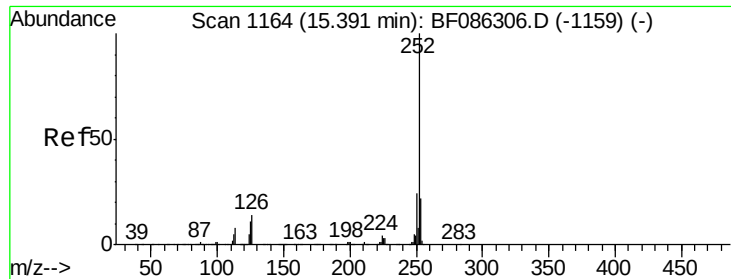
Delta R.T. -0.03 min

Lab File: BF086328.D

Acq: 21 Apr 2016 00:32

Tgt Ion:	252	Resp:	199854
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.5	26.3
125	15.1	7.8	11.6#





#89

Benzo(a)pyrene

Concen: 20.77 ng

RT: 15.39 min Scan# 1164

Delta R.T. -0.03 min

Lab File: BF086328.D

Acq: 21 Apr 2016 00:32

Instrument :

BNA_F

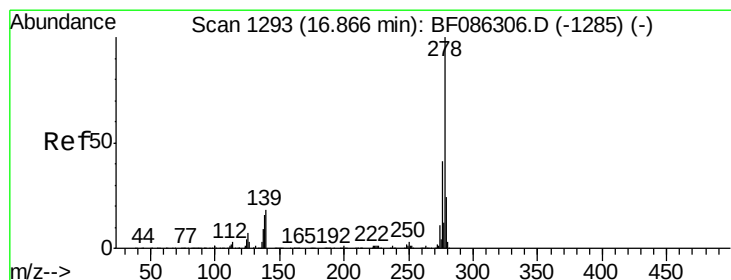
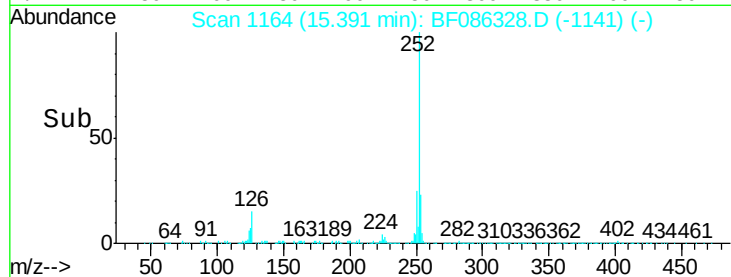
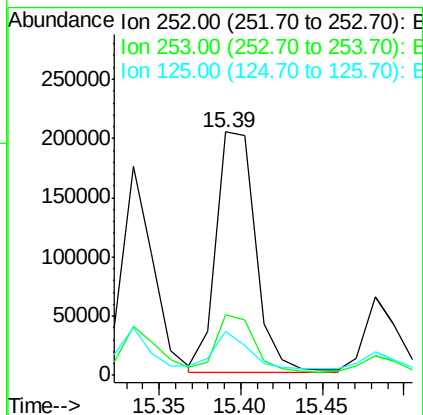
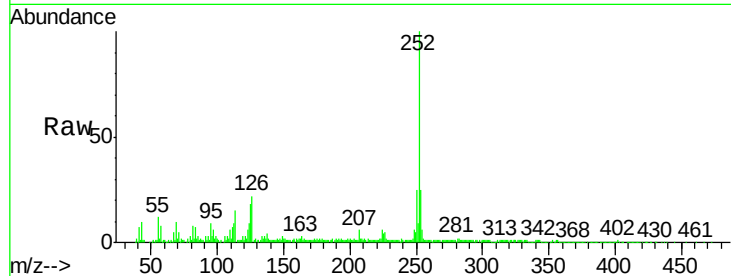
ClientSampleId :

RODNEY-AVE-PS(0-2)F

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.8
125	18.2	11.2	16.8

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#90

Dibenzo(a,h)anthracene

Concen: 3.12 ng

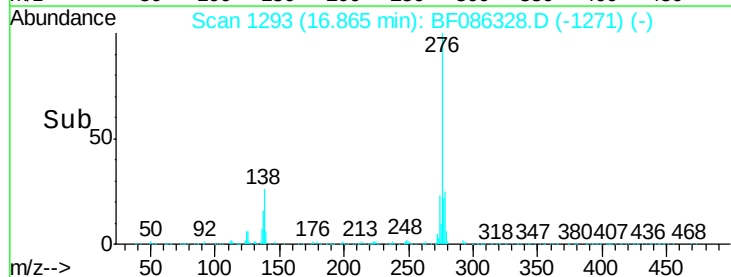
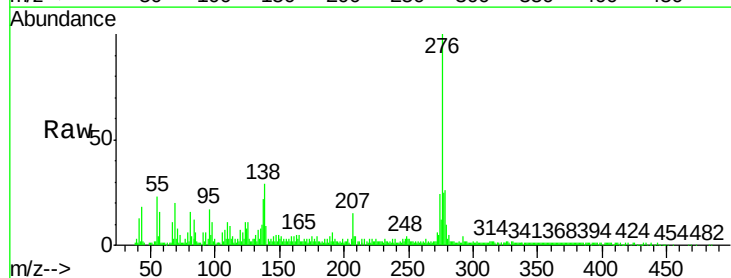
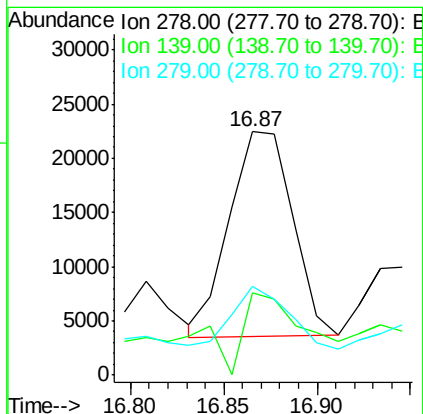
RT: 16.87 min Scan# 1293

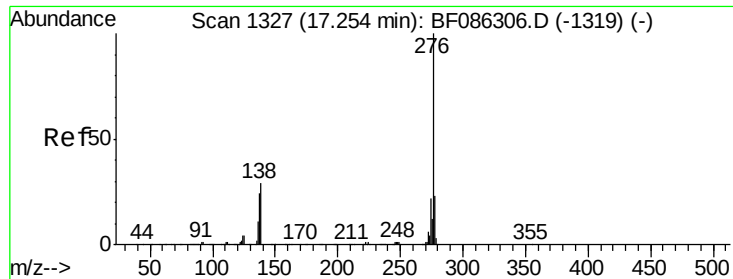
Delta R.T. -0.05 min

Lab File: BF086328.D

Acq: 21 Apr 2016 00:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.7	15.3	22.9
279	36.6	19.1	28.7





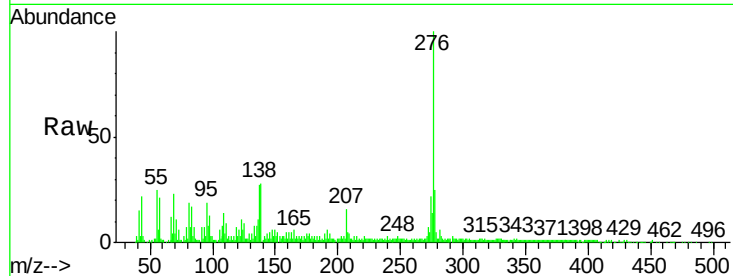
#91
 Benzo(a,h,i)perylene
 Concen: 14.53 ng
 RT: 17.29 min Scan# 1330
 Delta R.T. -0.03 min
 Lab File: BF086328.D
 Acq: 21 Apr 2016 00:32

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.0	28.6
138	28.1	19.6	29.4

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

