

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
 Data File : BF086327.D
 Acq On : 21 Apr 2016 00:03
 Operator : UM/SJ
 Sample : H2601-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Apr 21 02:01:02 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	244126	20.00	ng	-0.03
21) Naphthalene-d8	8.14	136	906086	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	348210	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	528361	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	362515	20.00	ng	-0.02
86) Perylene-d12	15.46	264	326530	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1381711	98.75	ng	-0.02
7) Phenol-d6	6.50	99	1762244	96.24	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1013118	64.04	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	253085	93.25	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	1469954	79.51	ng	-0.03
78) Terphenyl-d14	12.97	244	846360	55.57	ng	-0.03
Target Compounds						
48) Acenaphthylene	9.77	152	616984	19.07	ng	Qvalue 98
49) Dimethylphthalate	9.62	163	203278	7.67	ng	99
57) Fluorene	10.45	166	71397	3.73	ng	93
70) Phenanthrene	11.41	178	558227	22.30	ng	98
71) Anthracene	11.46	178	421527	15.72	ng	98
72) Carbazole	11.62	167	80221	3.16	ng	99
74) Fluoranthene	12.60	202	1564282	67.38	ng	97
77) Pyrene	12.83	202	1537754	57.18	ng	99
80) Benzo(a)anthracene	14.02	228	943660	49.42	ng	# 89
82) Chrysene	14.05	228	809086m	39.20	ng	
85) Indeno(1,2,3-cd)pyrene	16.87	276	692252	32.62	ng	97
87) Benzo(b)fluoranthene	15.05	252	1028367m	54.45	ng	
88) Benzo(k)fluoranthene	15.06	252	573944m	36.10	ng	
89) Benzo(a)pyrene	15.40	252	877581	50.42	ng	98
90) Dibenzo(a,h)anthracene	16.88	278	128184	8.44	ng	# 88
91) Benzo(g,h,i)perylene	17.30	276	803081	55.12	ng	96

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

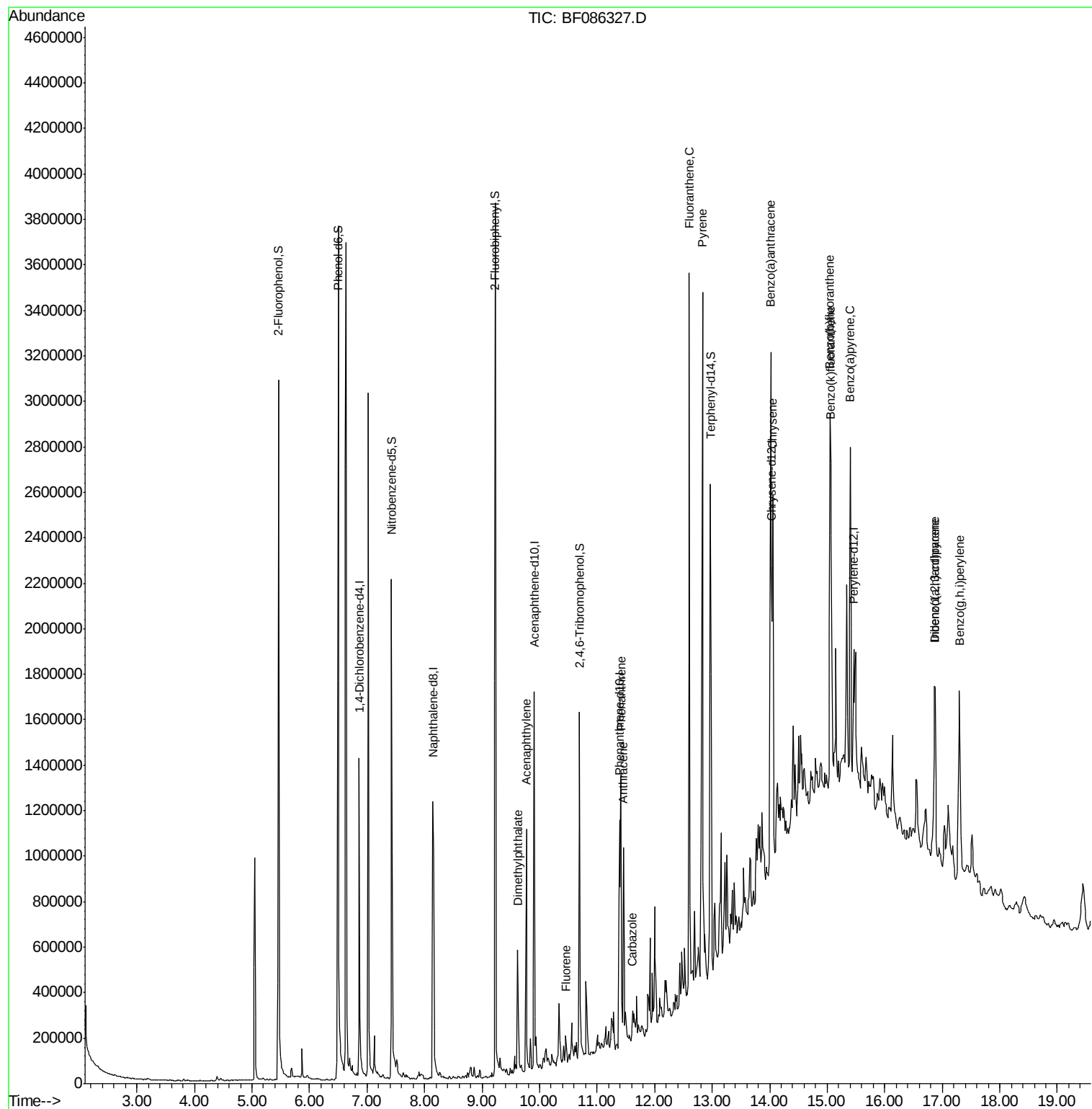
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
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ALS Vial : 29 Sample Multiplier: 1

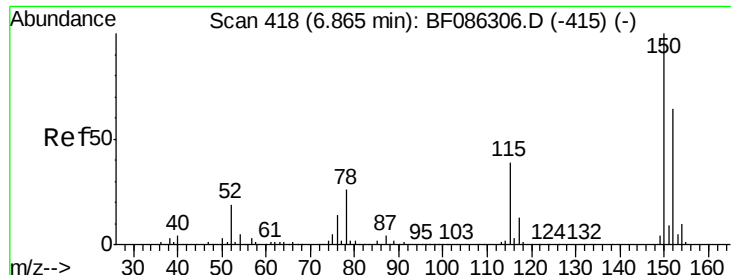
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.03 min

Lab File: BF086327.D

Acq: 21 Apr 2016 00:03

Instrument :

BNA_F

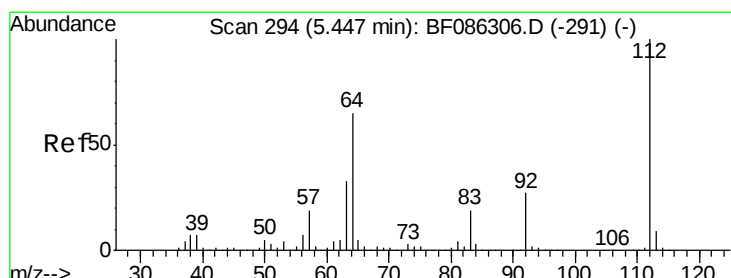
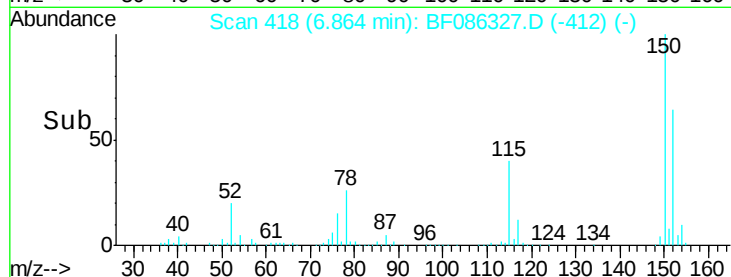
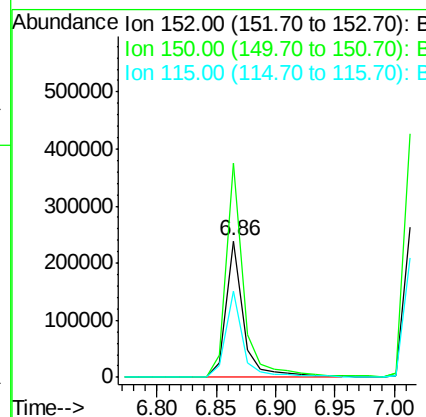
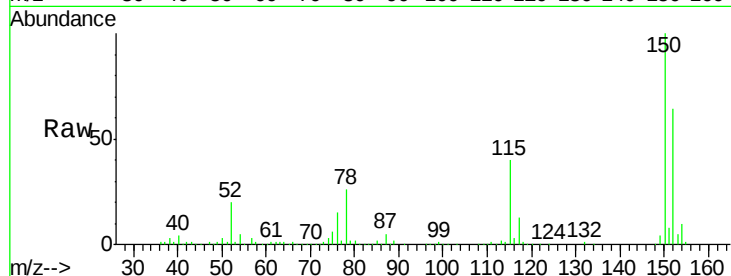
ClientSampleId :

RODNEY-AVE-PS(0-2)E

Tot Ion:	152	Resp:	244126
Ion Ratio	Lower	Upper	
152	100		
150	156.4	124.1	186.1
115	62.9	43.9	65.9

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#5

2-Fluorophenol

Concen: 98.75 ng

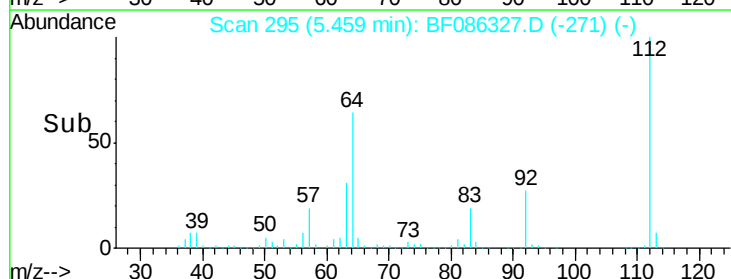
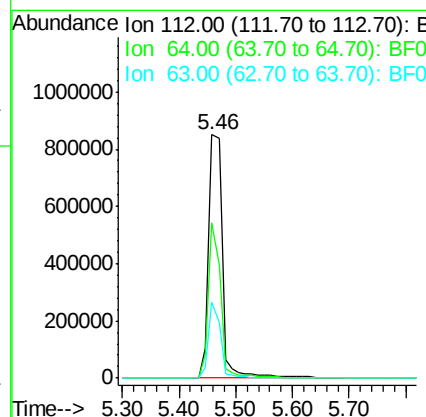
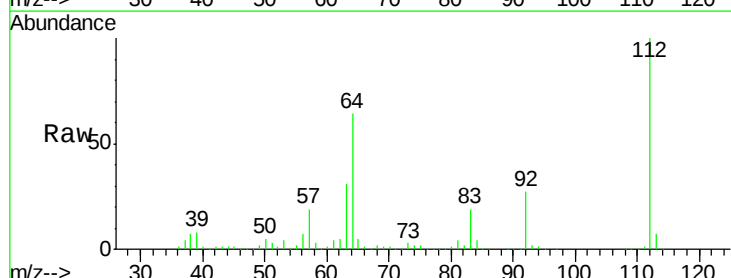
RT: 5.46 min Scan# 295

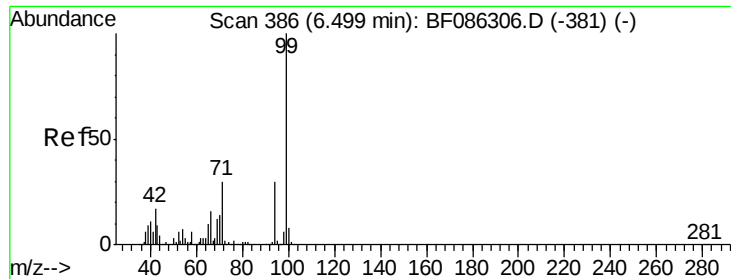
Delta R.T. -0.02 min

Lab File: BF086327.D

Acq: 21 Apr 2016 00:03

Tgt Ion:	112	Resp:	1381711
Ion Ratio	Lower	Upper	
112	100		
64	63.9	48.1	72.1
63	31.4	25.5	38.3





#7

Phenol-d6

Concen: 96.24 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086327.D

Acq: 21 Apr 2016 00:03

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)E

Tot Ion: 99 Resp: 1762244

Ion Ratio Lower Upper

99 100

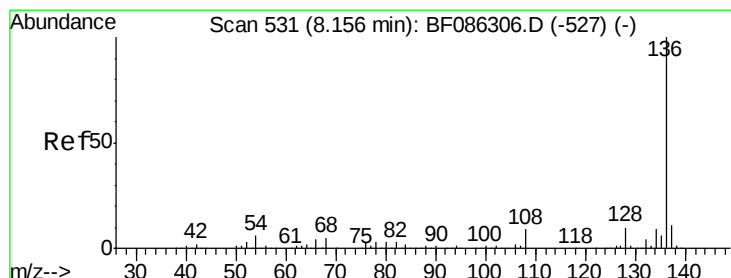
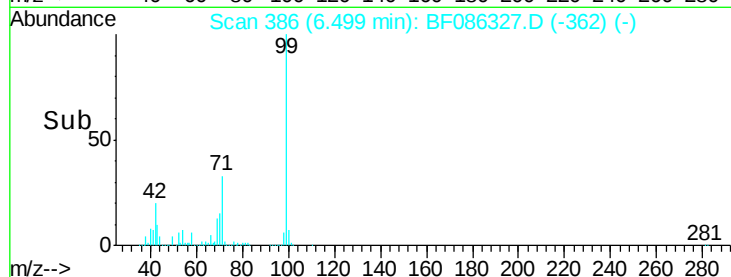
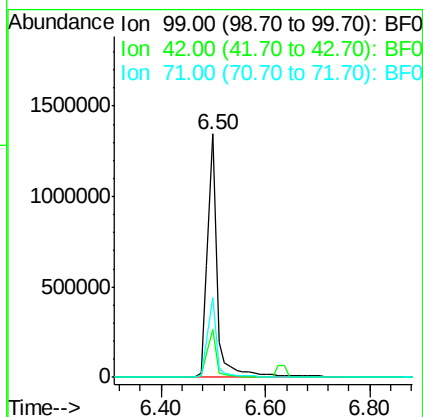
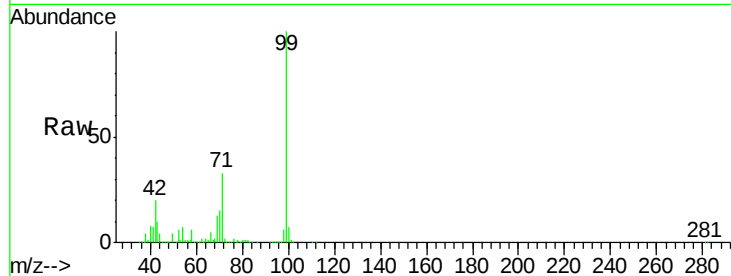
42 19.7 15.4 23.2

71 32.8 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: BF086327.D

Acq: 21 Apr 2016 00:03

Tgt Ion: 136 Resp: 906086

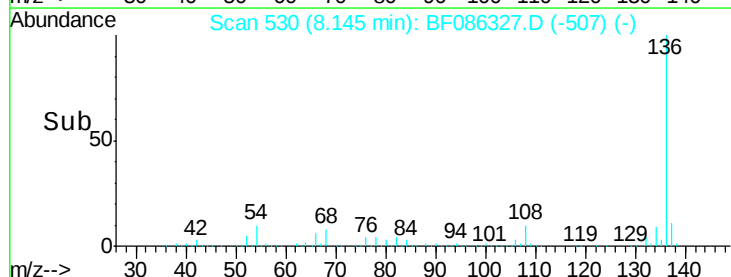
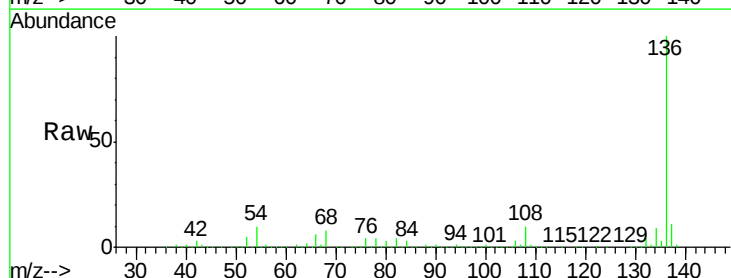
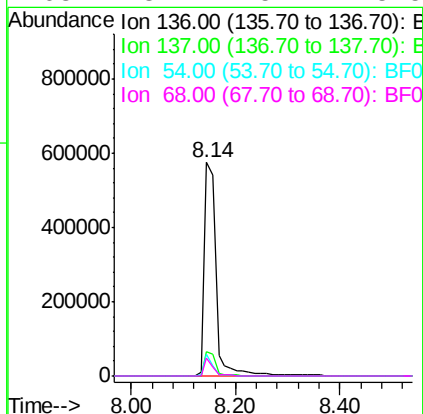
Ion Ratio Lower Upper

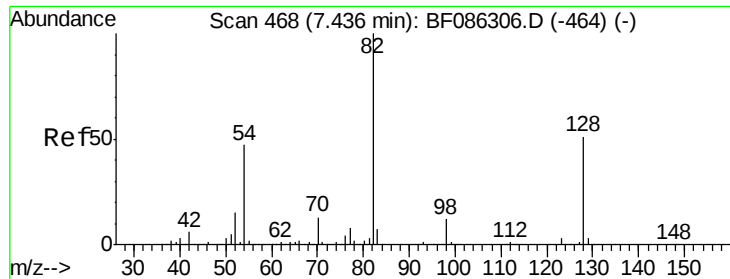
136 100

137 11.2 9.1 13.7

54 10.1 7.3 10.9

68 8.4 5.7 8.5





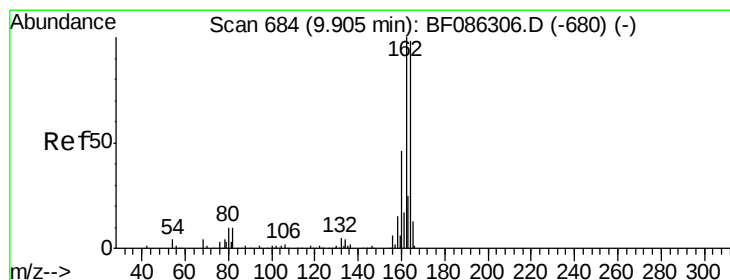
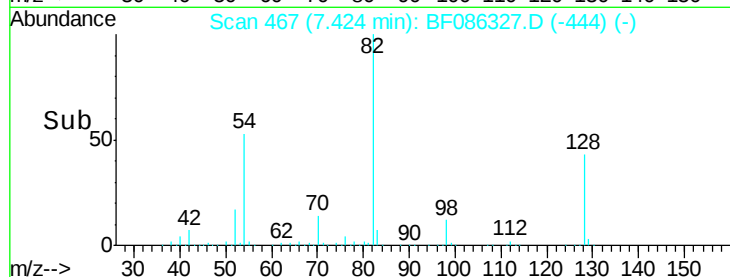
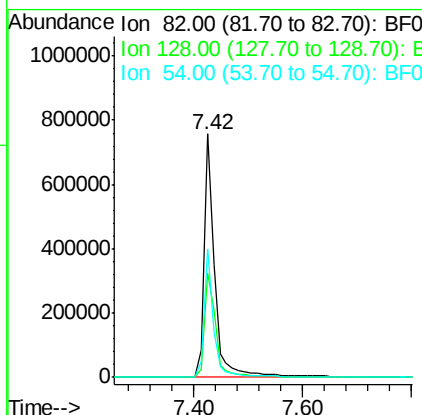
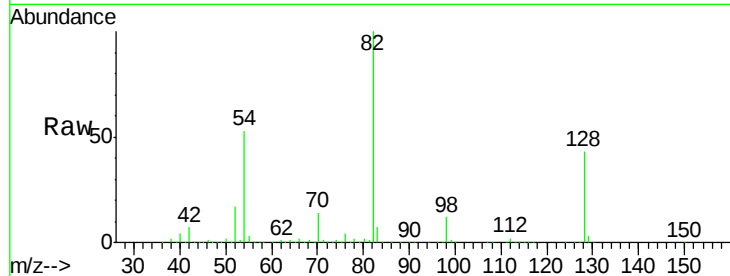
#23
 Nitrobenzene-d5
 Concen: 64.04 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.03 min
 Lab File: BF086327.D
 Acq: 21 Apr 2016 00:03

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

Tot Ion	82	Resp	1013118
Ion Ratio	Lower	Upper	
82	100		
128	42.6	35.4	53.2
54	52.7	43.4	65.0

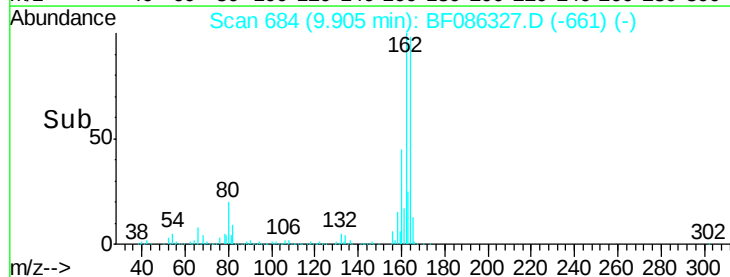
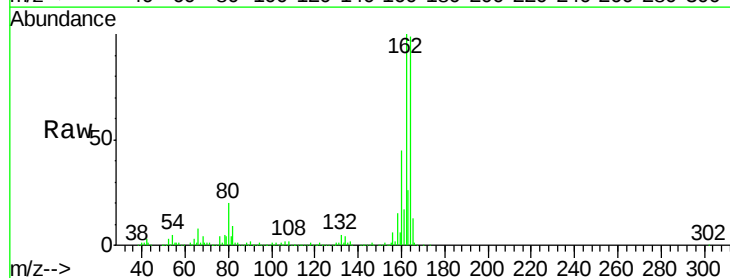
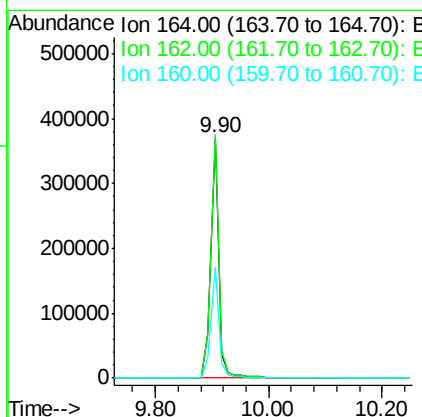
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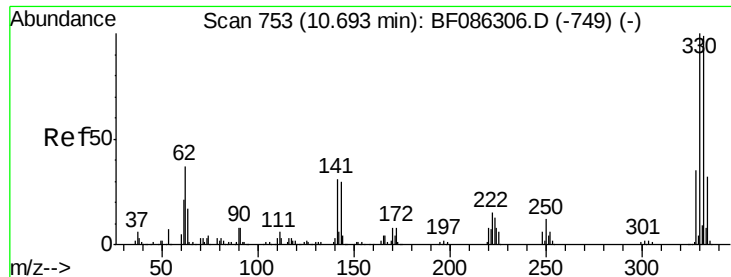
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.03 min
 Lab File: BF086327.D
 Acq: 21 Apr 2016 00:03

Tgt Ion	164	Resp	348210
Ion Ratio	Lower	Upper	
164	100		
162	101.3	82.8	124.2
160	45.9	38.9	58.3





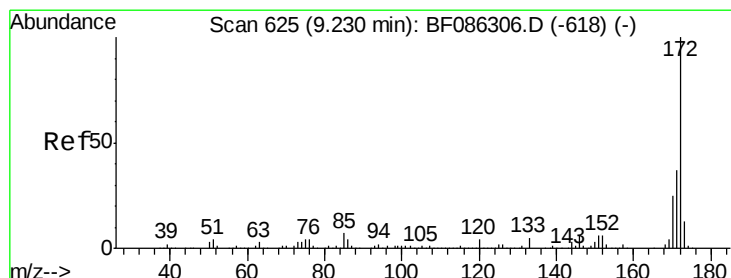
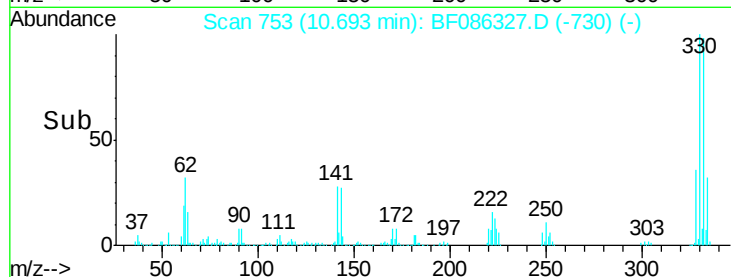
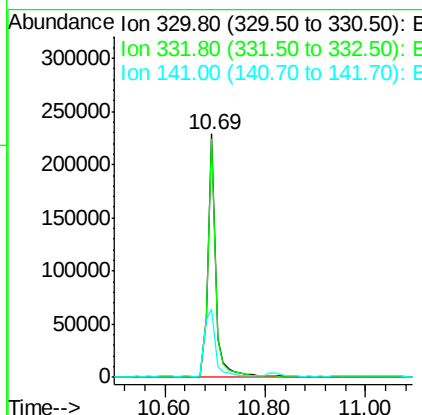
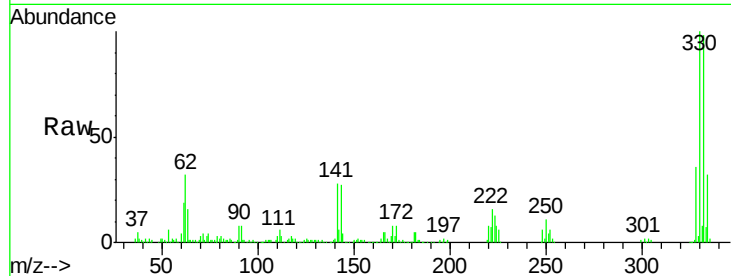
#41
 2,4,6-Tribromophenol
 Concen: 93.25 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.03 min
 Lab File: BF086327.D
 Acq: 21 Apr 2016 00:03

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.7	118.1
141	38.5	28.6	42.8

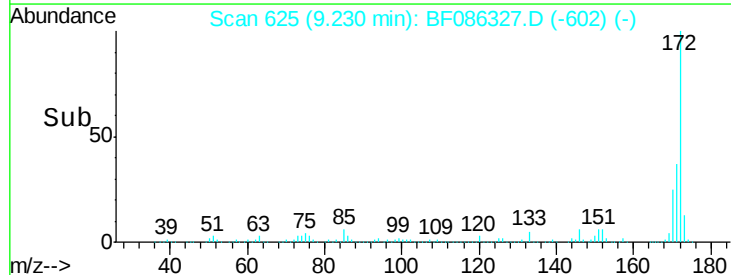
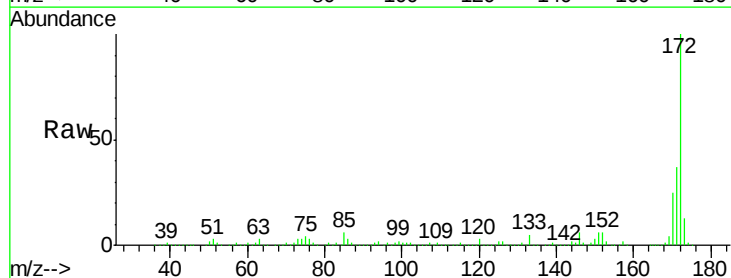
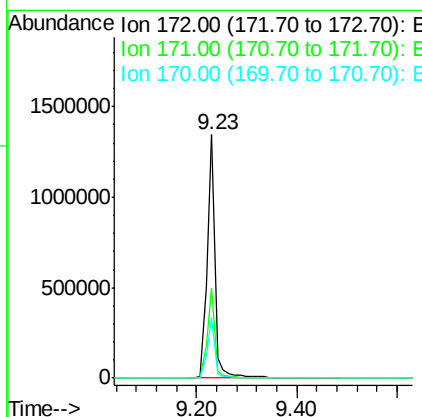
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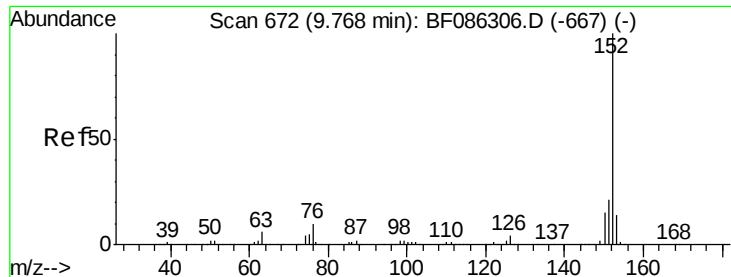
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#44
 2-Fluorobiphenyl
 Concen: 79.51 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF086327.D
 Acq: 21 Apr 2016 00:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.1	43.7
170	24.7	19.9	29.9





#48

Acenaphthylene

Concen: 19.07 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.03 min

Lab File: BF086327.D

Acq: 21 Apr 2016 00:03

Instrument :

BNA_F

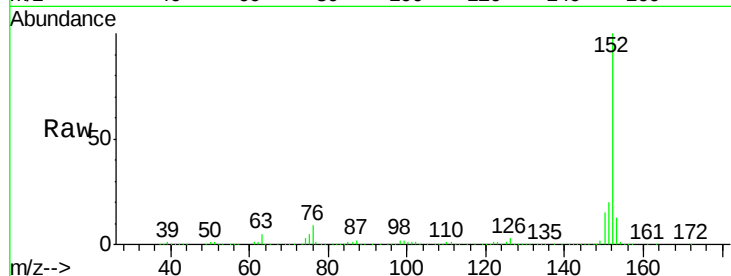
ClientSampleId :

RODNEY-AVE-PS(0-2)E

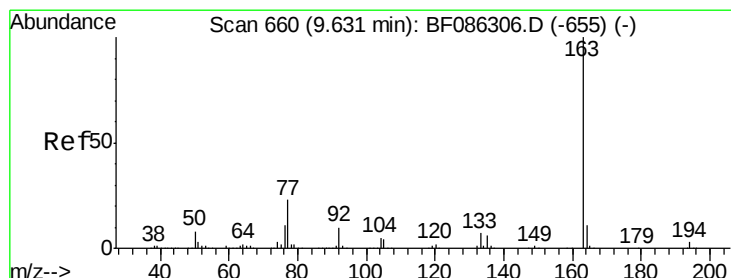
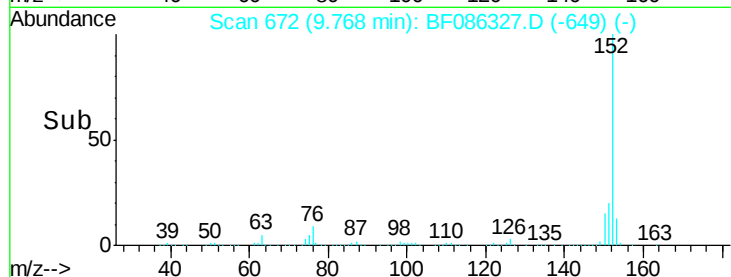
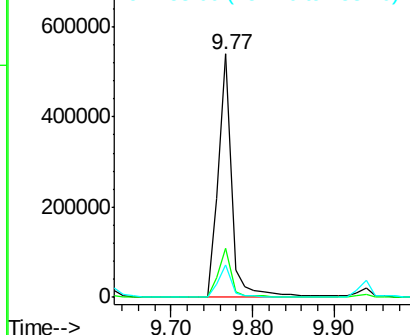
Manual Integrations
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Tot Ion:	152	Resp:	616984
Ion Ratio	Lower	Upper	
152	100		
151	20.0	17.2	25.8
153	13.1	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 7.67 ng

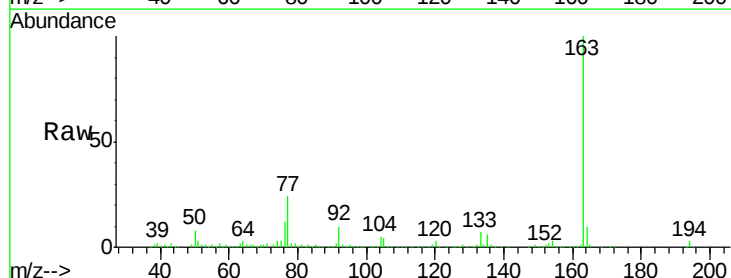
RT: 9.62 min Scan# 659

Delta R.T. -0.05 min

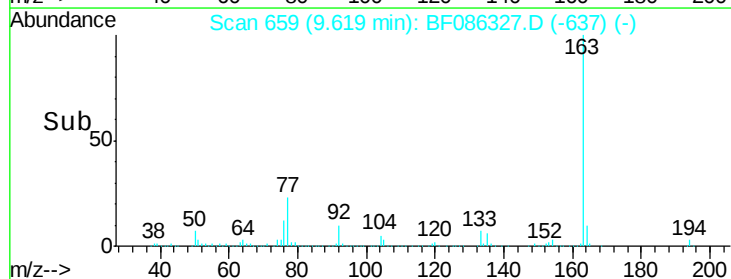
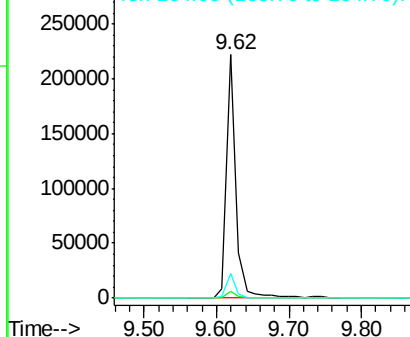
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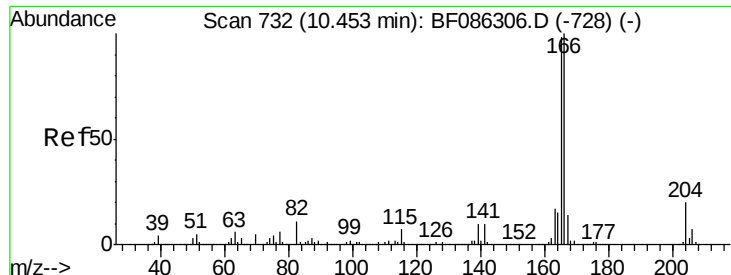
Acq: 21 Apr 2016 00:03

Tgt Ion:	163	Resp:	203278
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.8	4.2
164	10.4	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





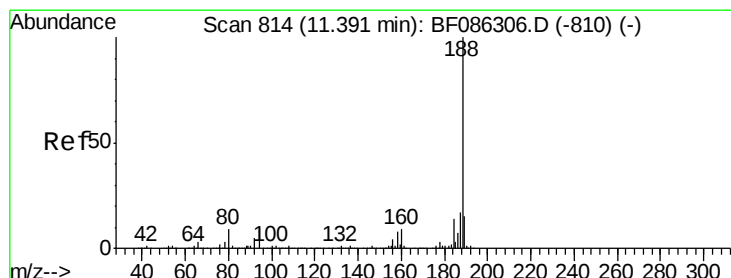
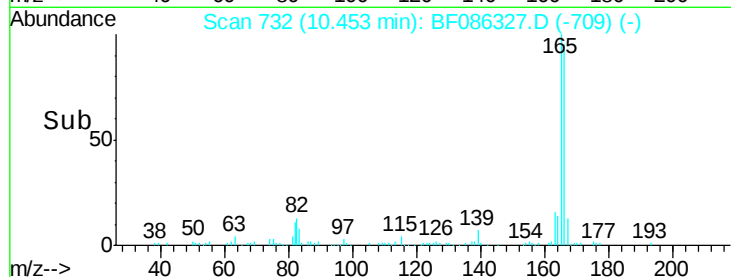
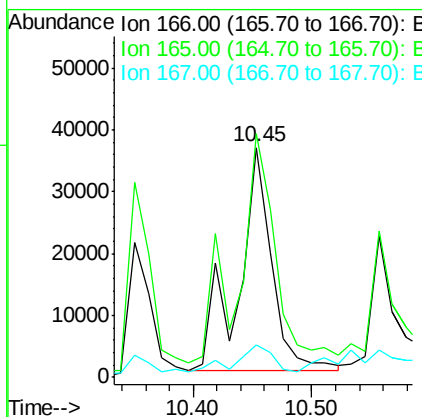
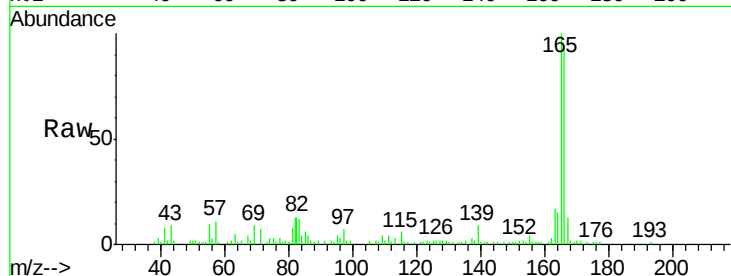
#57
Fluorene
 Concen: 3.73 ng
 RT: 10.45 min Scan# 732
 Delta R.T. -0.03 min
 Lab File: BF086327.D
 Acq: 21 Apr 2016 00:03

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	106.1	78.6	117.8
167	14.2	10.4	15.6

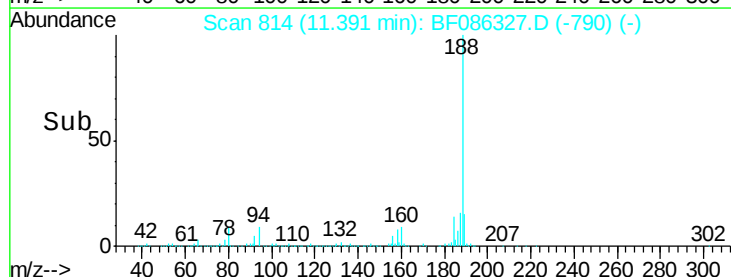
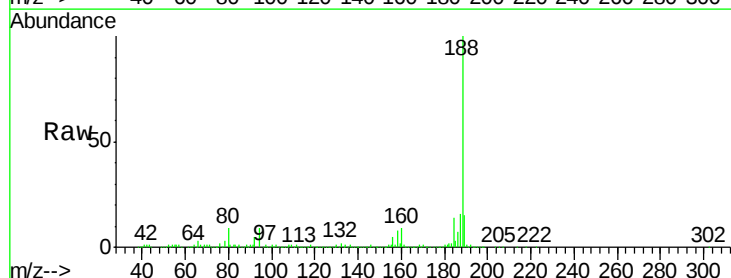
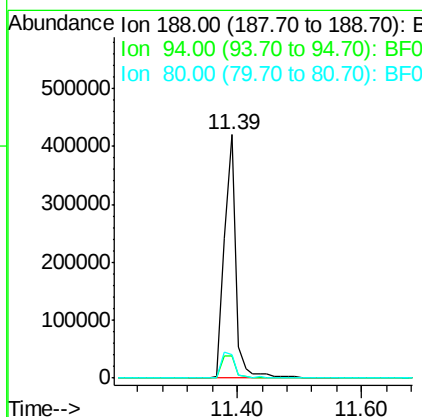
Manual Integrations
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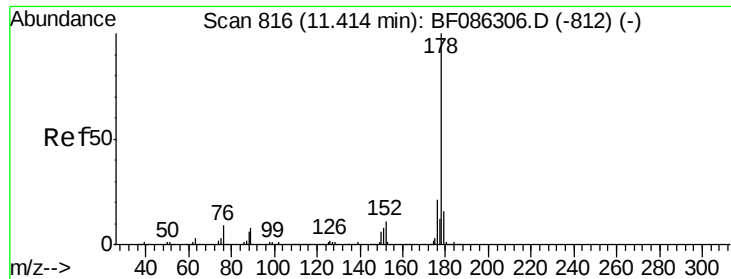
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.02 min
 Lab File: BF086327.D
 Acq: 21 Apr 2016 00:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	9.8	14.8#
80	9.4	10.5	15.7#





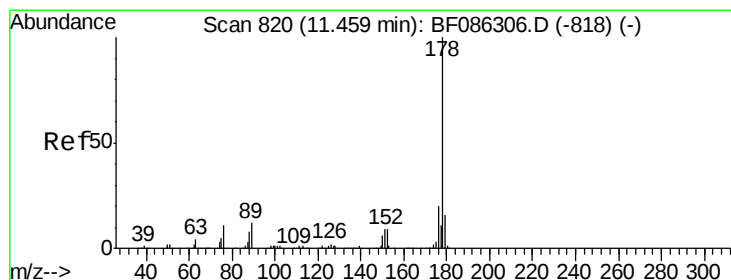
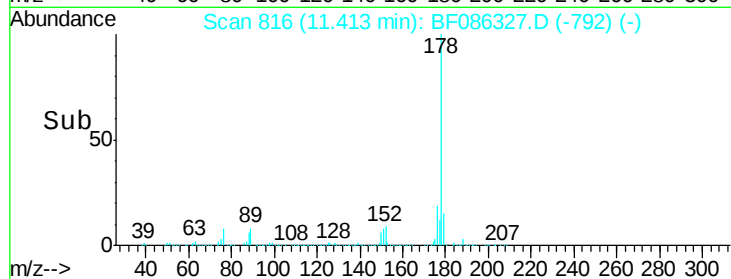
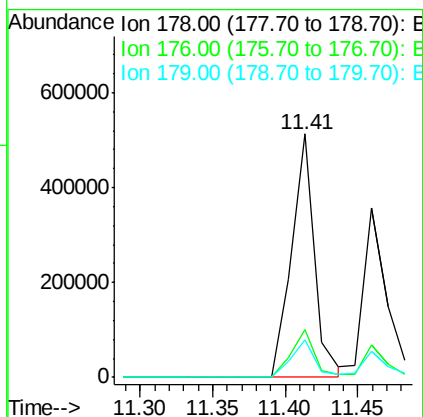
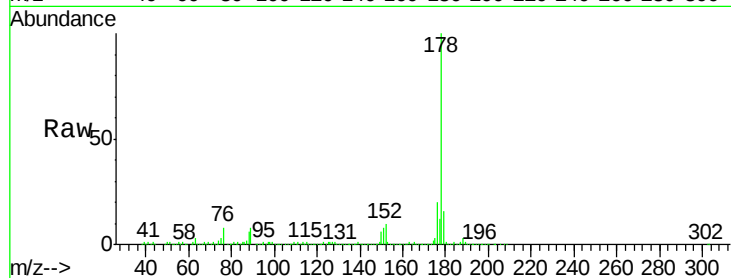
#70
Phenanthrene
Concen: 22.30 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF086327.D
Acq: 21 Apr 2016 00:03

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.6	13.0	19.6

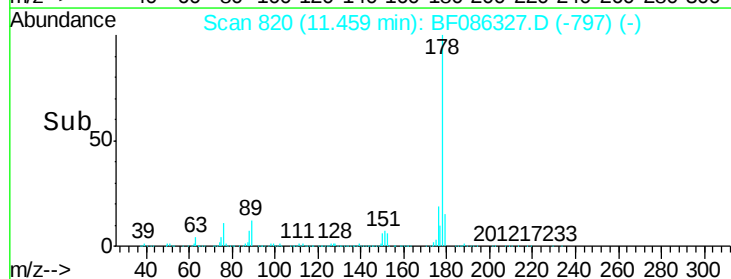
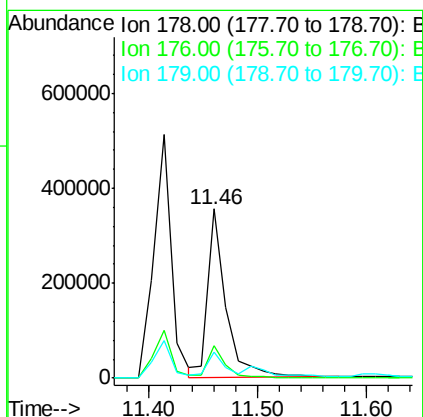
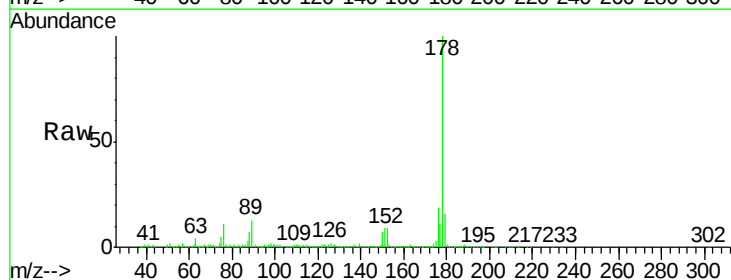
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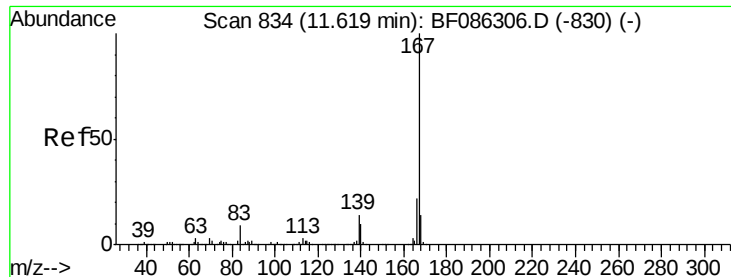
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#71
Anthracene
Concen: 15.72 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.03 min
Lab File: BF086327.D
Acq: 21 Apr 2016 00:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.7	13.2	19.8





#72

Carbazole

Concen: 3.16 ng

RT: 11.62 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF086327.D

Acq: 21 Apr 2016 00:03

Instrument :

BNA_F

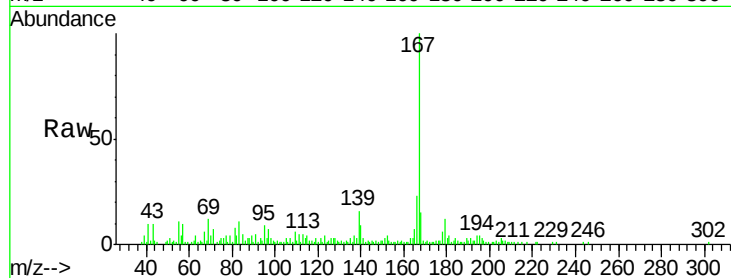
ClientSampleId :

RODNEY-AVE-PS(0-2)E

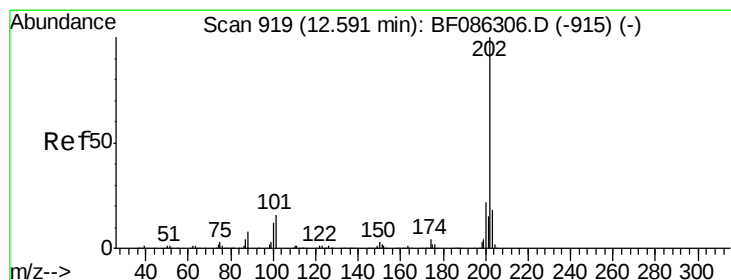
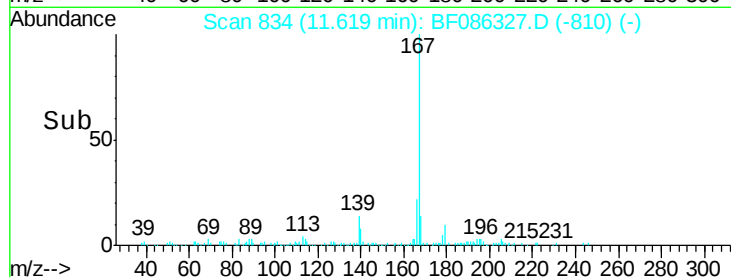
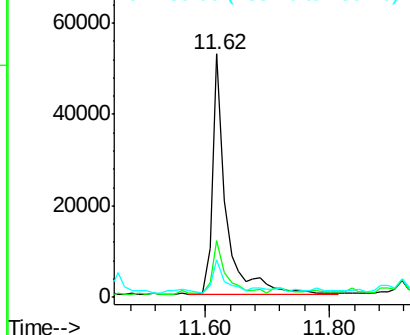
Tot Ion:	167	Resp:	80221
Ion Ratio	Lower	Upper	
167	100		
166	23.4	18.3	27.5
139	15.7	12.3	18.5

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 67.38 ng

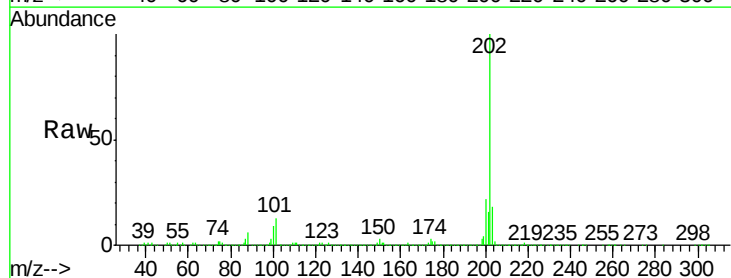
RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

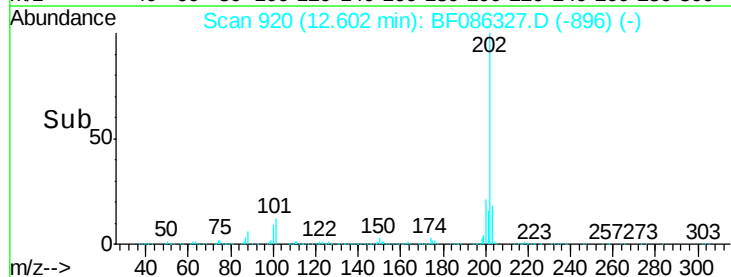
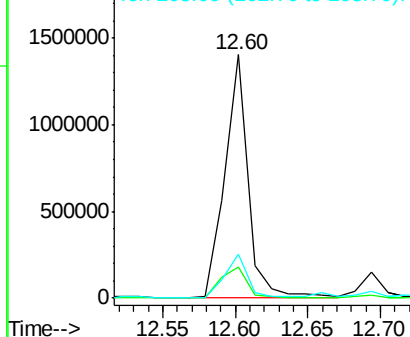
Lab File: BF086327.D

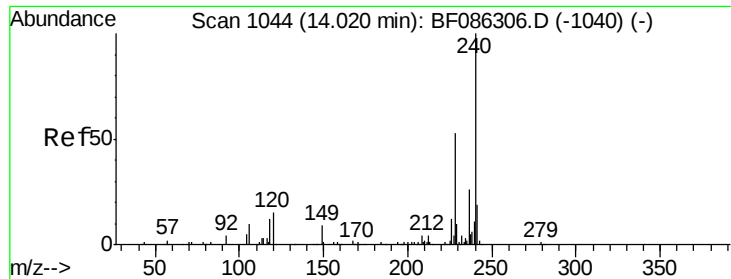
Acq: 21 Apr 2016 00:03

Tgt Ion:	202	Resp:	1564282
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	35.2
203	18.1	0.0	38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF086327.D

Acq: 21 Apr 2016 00:03

Instrument :

BNA_F

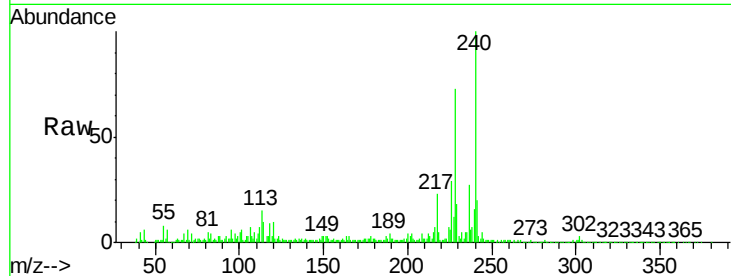
ClientSampleId :

RODNEY-AVE-PS(0-2)E

Tot Ion:	240	Resp:	362515
Ion Ratio	Lower	Upper	
240	100		
120	10.3	9.3	13.9
236	26.7	21.1	31.7

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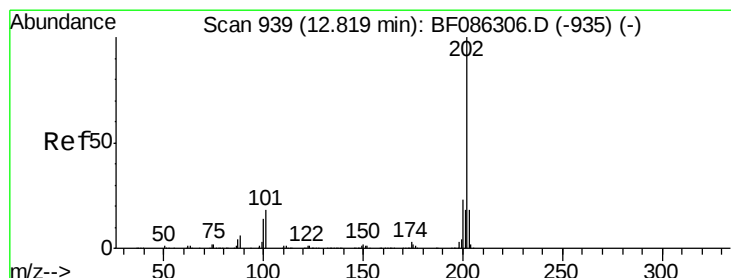
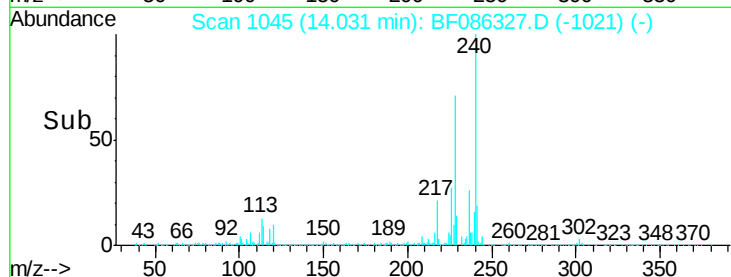
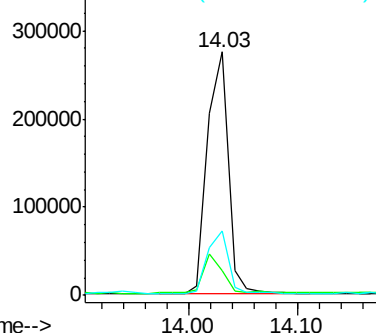
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 57.18 ng

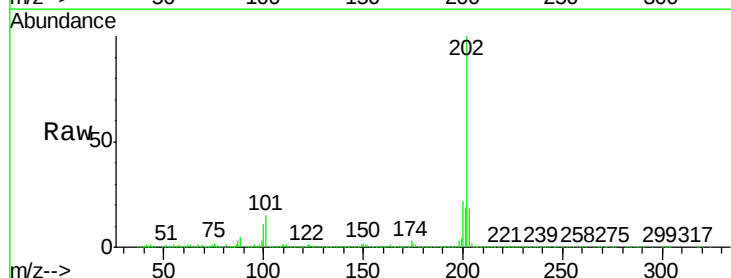
RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF086327.D

Acq: 21 Apr 2016 00:03

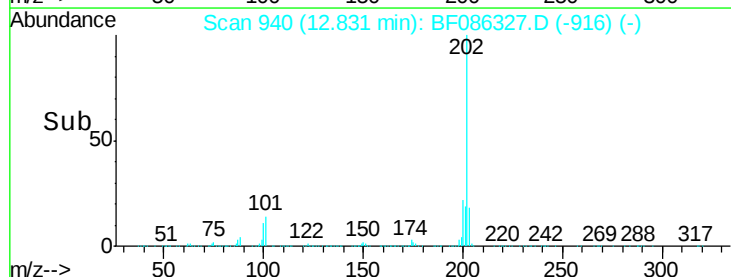
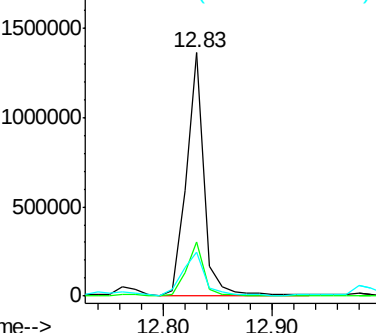
Tgt Ion:	202	Resp:	1537754
Ion Ratio	Lower	Upper	
202	100		
200	22.1	18.3	27.5
203	18.2	14.9	22.3

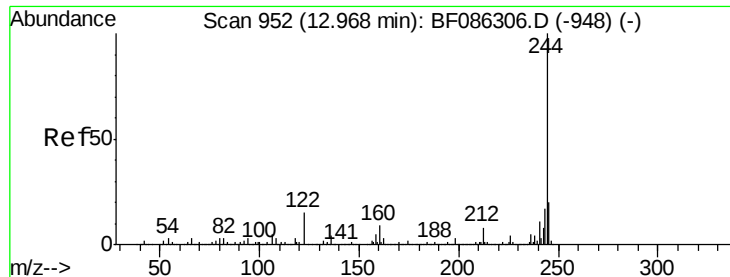


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.57 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.03 min

Lab File: BF086327.D

Acq: 21 Apr 2016 00:03

Instrument :

BNA_F

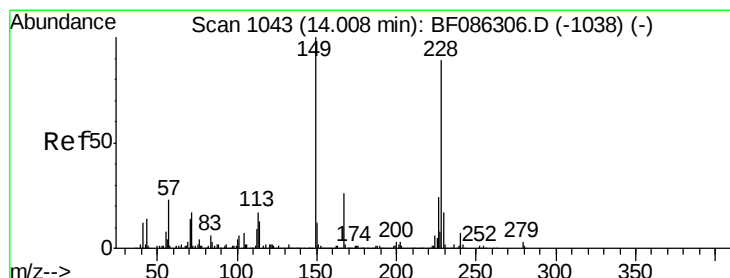
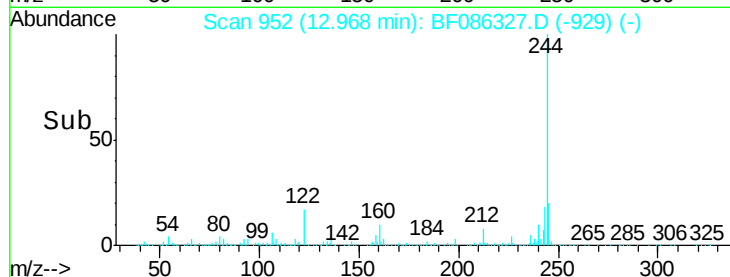
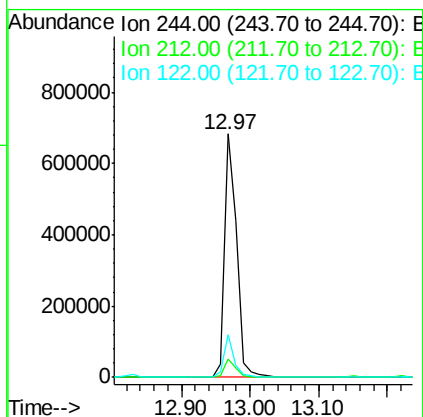
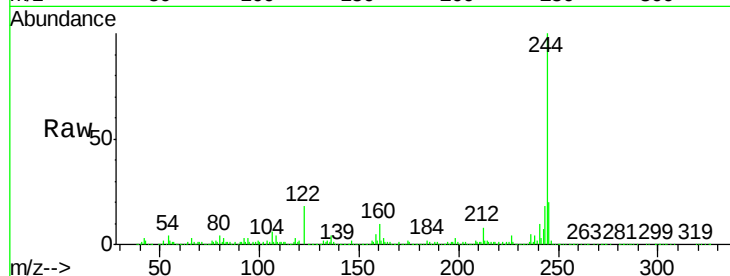
ClientSampleId :

RODNEY-AVE-PS(0-2)E

Tot Ion:	244	Resp:	846360
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.4	9.6
122	17.7	11.7	17.5#

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#80

Benzo(a)anthracene

Concen: 49.42 ng

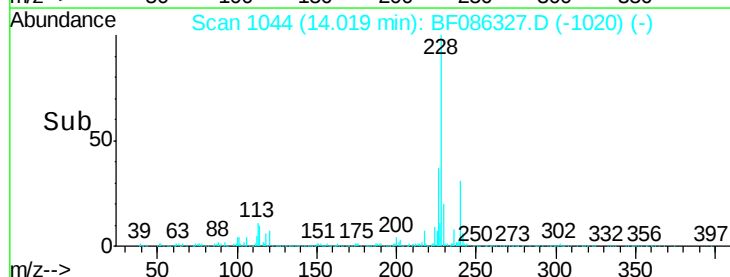
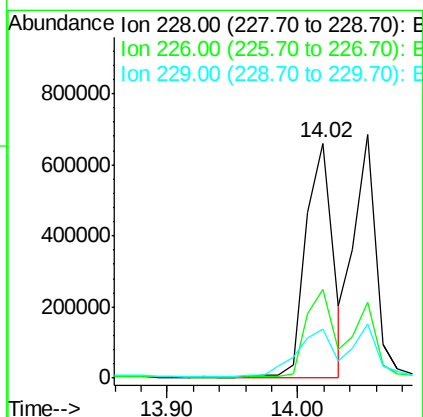
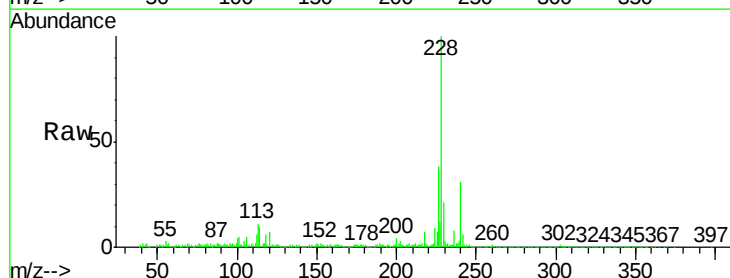
RT: 14.02 min Scan# 1044

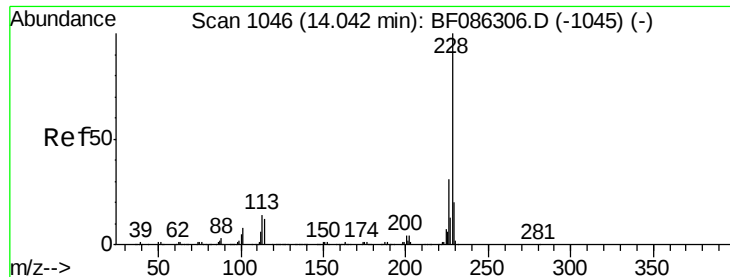
Delta R.T. -0.02 min

Lab File: BF086327.D

Acq: 21 Apr 2016 00:03

Tgt Ion:	228	Resp:	943660
Ion Ratio	Lower	Upper	
228	100		
226	37.6	22.5	33.7#
229	21.1	16.2	24.2





#82

Chrysene

Concen: 39.20 ng/mL

RT: 14.05 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF086327.D

Acq: 21 Apr 2016 00:03

Instrument:

BNA_F

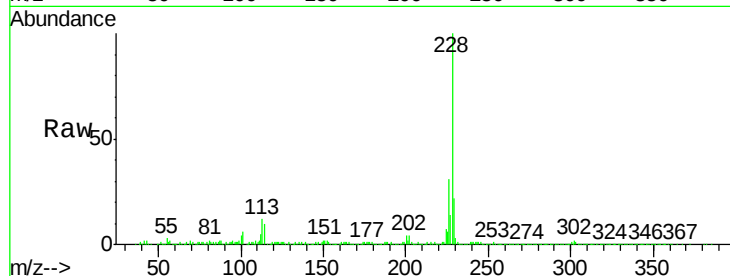
ClientSampleId:

RODNEY-AVE-PS(0-2)E

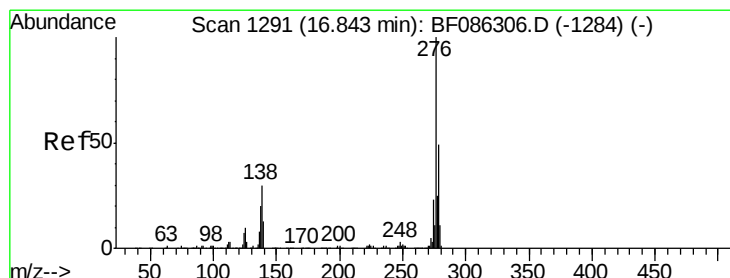
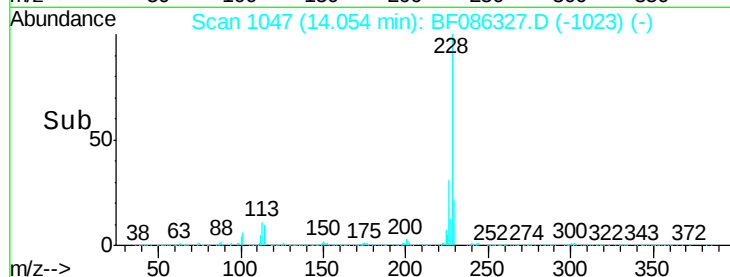
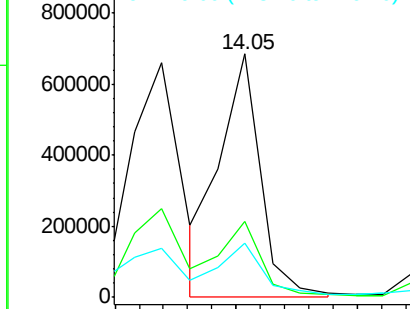
Tot Ion:	228	Resp:	809086
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.4	38.2
229	22.3	16.5	24.7

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 32.62 ng/mL

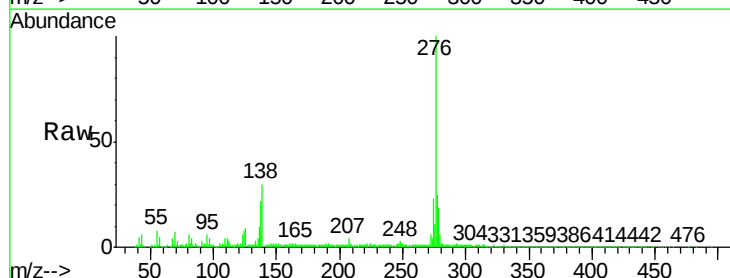
RT: 16.87 min Scan# 1293

Delta R.T. -0.03 min

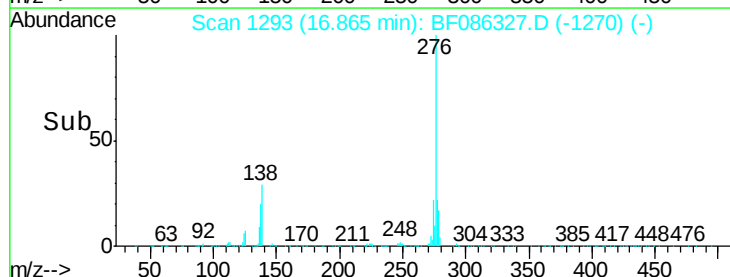
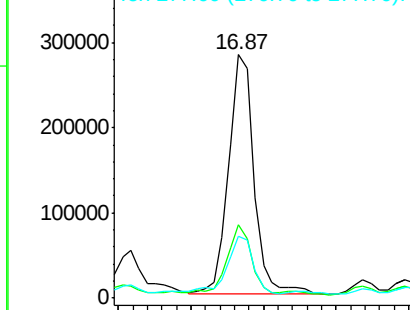
Lab File: BF086327.D

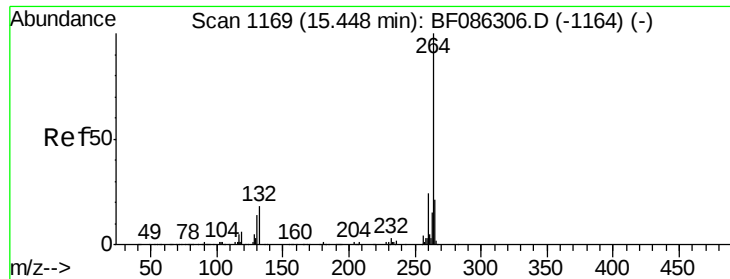
Acq: 21 Apr 2016 00:03

Tgt Ion:	276	Resp:	692252
Ion Ratio	Lower	Upper	
276	100		
138	27.2	23.8	35.6
277	25.7	20.2	30.2



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





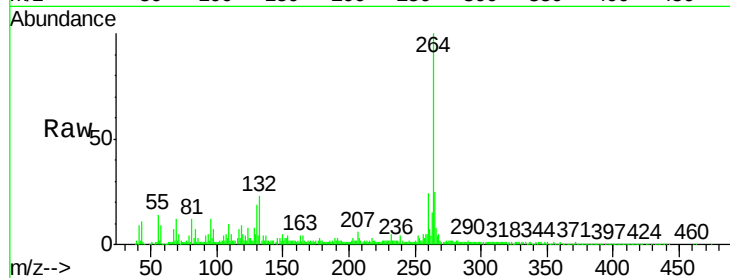
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF086327.D
Acq: 21 Apr 2016 00:03

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

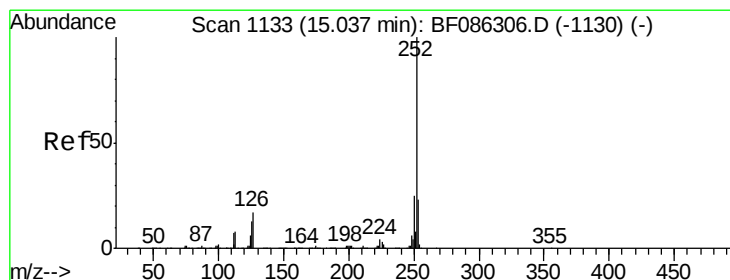
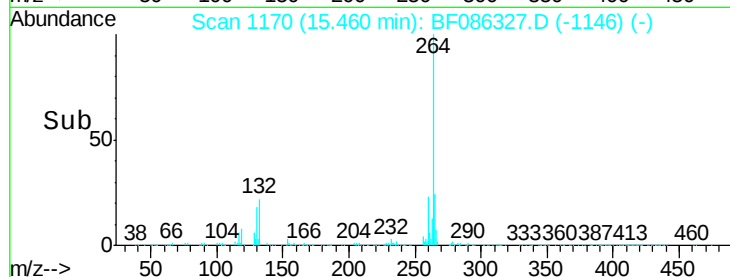
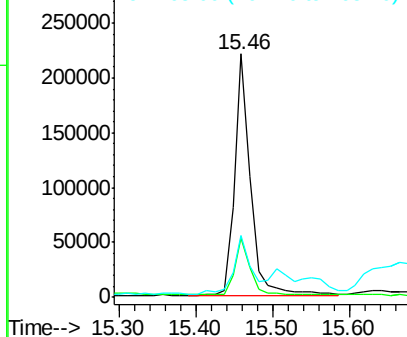
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.0	30.0
265	25.3	17.4	26.0

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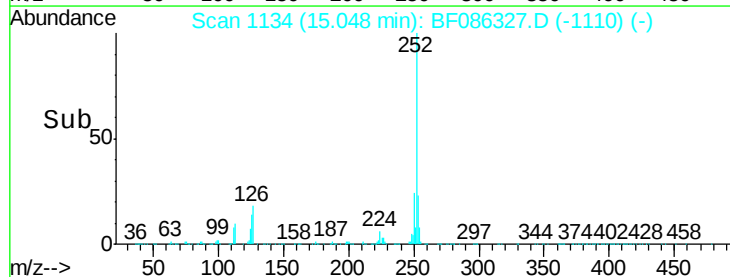
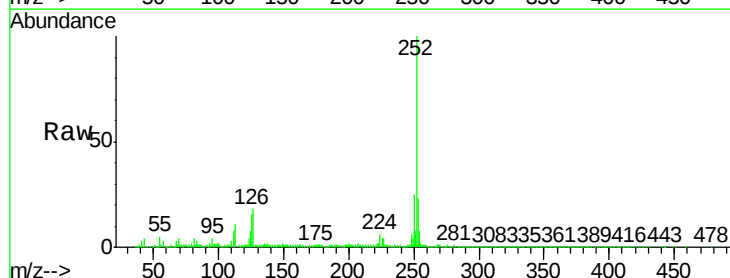
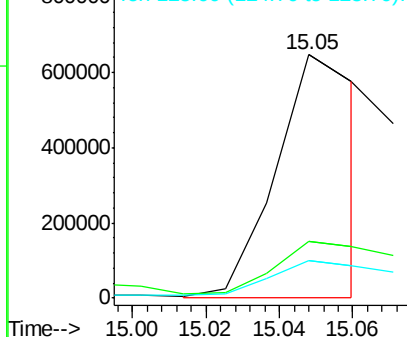
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

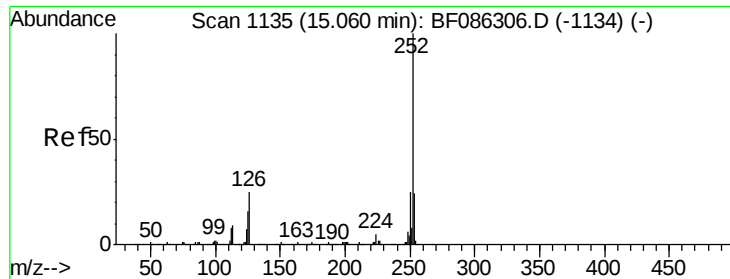


#87
Benzo(b)fluoranthene
Concen: 54.45 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF086327.D
Acq: 21 Apr 2016 00:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	15.7	10.3	15.5#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





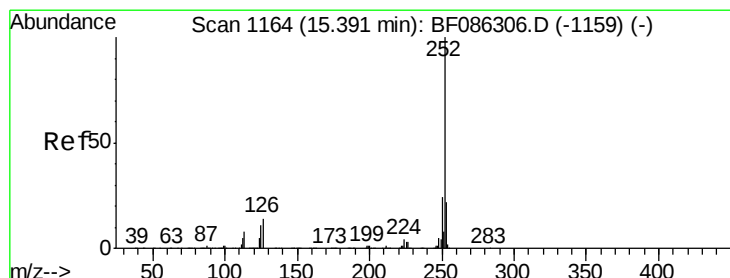
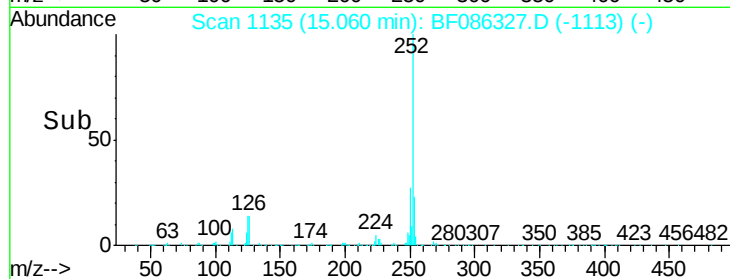
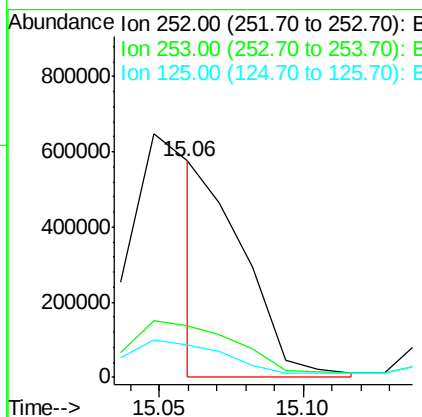
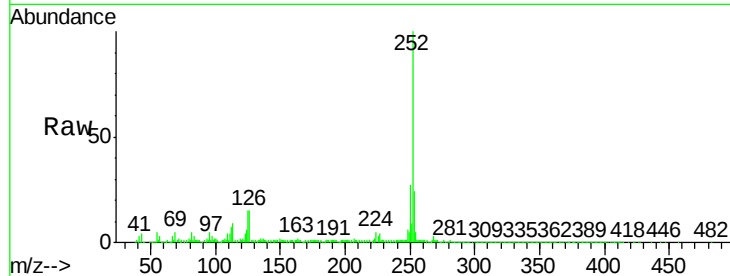
#88
Benzo(k)fluoranthene
Concen: 36.10 ng m
RT: 15.06 min Scan# 1135
Delta R.T. -0.05 min
Lab File: BF086327.D
Acq: 21 Apr 2016 00:03

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	15.2	7.8	11.6

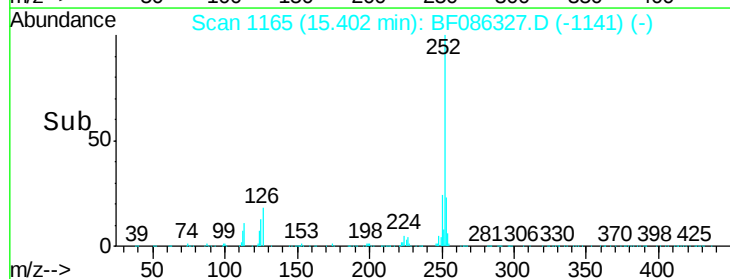
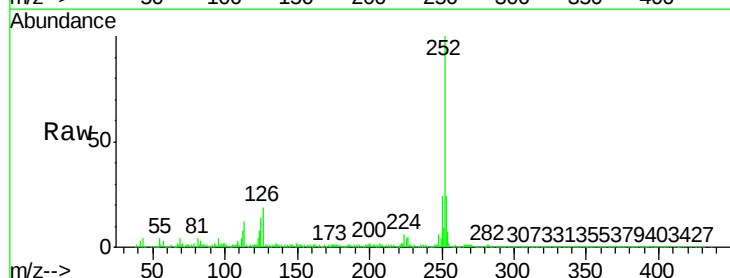
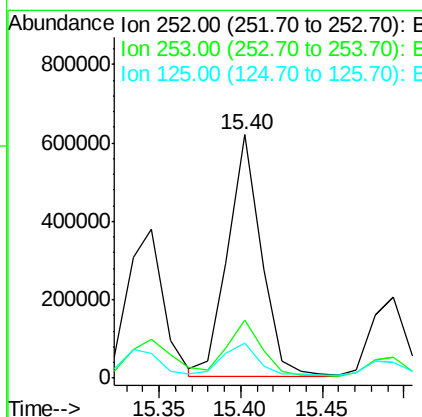
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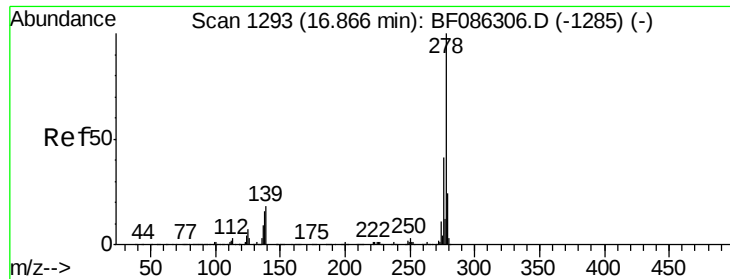
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#89
Benzo(a)pyrene
Concen: 50.42 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.02 min
Lab File: BF086327.D
Acq: 21 Apr 2016 00:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	14.4	11.2	16.8





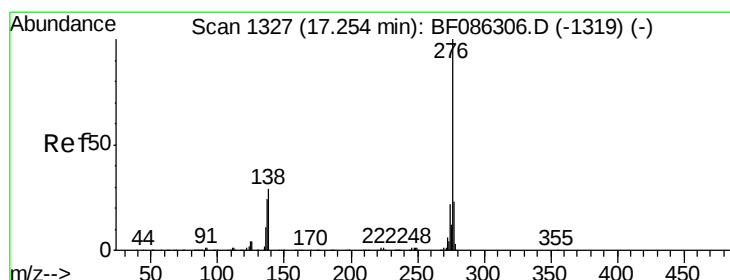
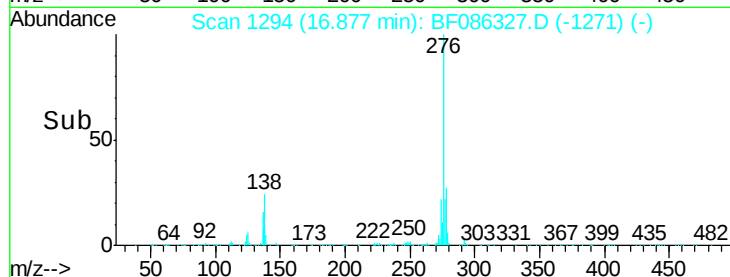
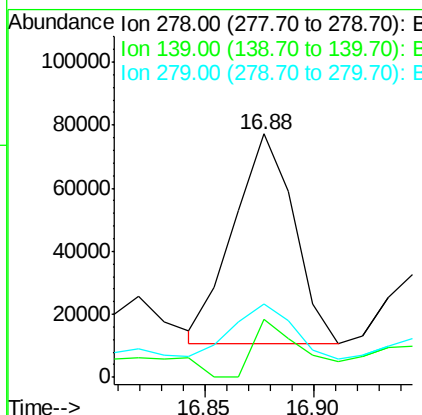
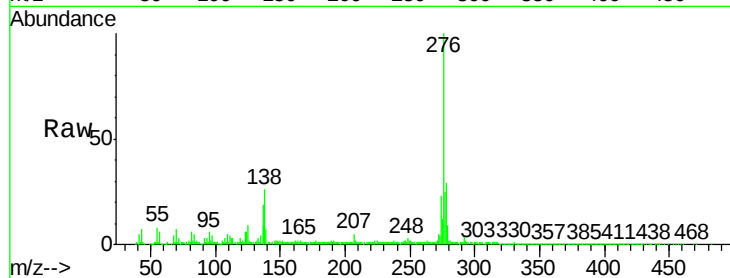
#90
Dibenzo(a,h)anthracene
Concen: 8.44 ng
RT: 16.88 min Scan# 1294
Delta R.T. -0.03 min
Lab File: BF086327.D
Acq: 21 Apr 2016 00:03

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.7	15.3	22.9#
279	30.3	19.1	28.7#

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#91
Benzo(g,h,i)perylene
Concen: 55.12 ng
RT: 17.30 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF086327.D
Acq: 21 Apr 2016 00:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.6
138	28.0	19.6	29.4

