

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
 Data File : BF086325.D
 Acq On : 20 Apr 2016 23:06
 Operator : UM/SJ
 Sample : H2601-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Apr 21 01:52:29 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	282723	20.00	ng	-0.03
21) Naphthalene-d8	8.14	136	1097571	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	450661	20.00	ng	-0.03
63) Phenanthrene-d10	11.38	188	673444	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	457047	20.00	ng	-0.03
86) Perylene-d12	15.45	264	408419	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1716023	105.90	ng	-0.01
7) Phenol-d6	6.50	99	2267600	106.94	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1358043	70.86	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	371656	105.81	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	2096264	90.11	ng	-0.03
78) Terphenyl-d14	12.97	244	1136325	59.18	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	9.76	152	102965	2.46	ng	98
49) Dimethylphthalate	9.62	163	388484	11.32	ng	99
57) Fluorene	10.44	166	76696	3.10	ng	96
70) Phenanthrene	11.40	178	635371	19.91	ng	98
71) Anthracene	11.46	178	207111	6.06	ng	97
74) Fluoranthene	12.59	202	876376	29.62	ng	99
77) Pyrene	12.82	202	708379	20.89	ng	98
80) Benzo(a)anthracene	14.01	228	441153m	18.32	ng	
82) Chrysene	14.04	228	316904	12.18	ng	98
85) Indeno(1,2,3-cd)pyrene	16.84	276	188527	7.05	ng	97
87) Benzo(b)fluoranthene	15.04	252	437812m	18.53	ng	
88) Benzo(k)fluoranthene	15.05	252	212566m	10.69	ng	
89) Benzo(a)pyrene	15.38	252	318429	14.63	ng	# 95
90) Dibenzo(a,h)anthracene	16.85	278	43977	2.31	ng	# 87
91) Benzo(a,h,i)perylene	17.25	276	166096	9.11	ng	# 92

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

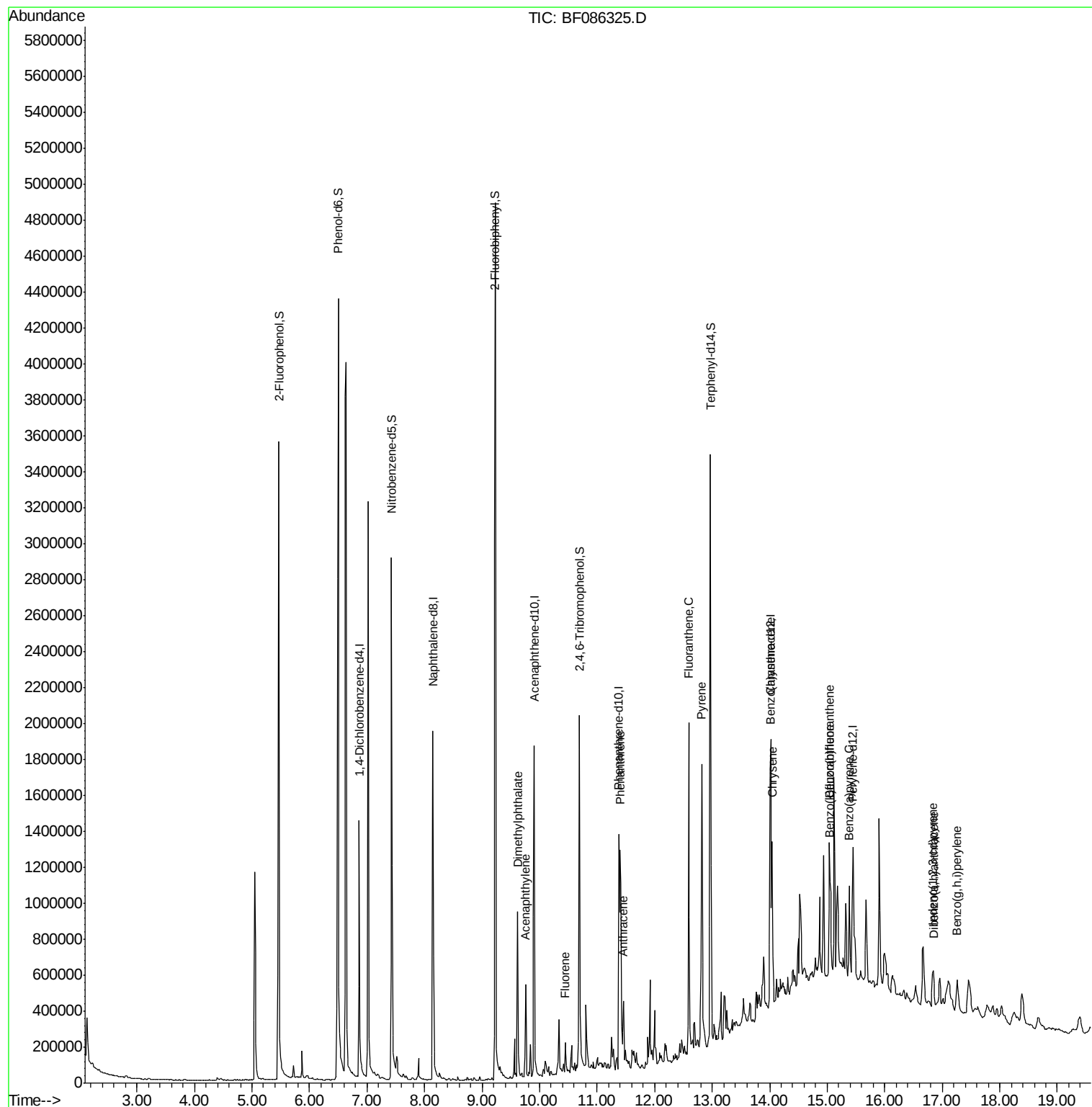
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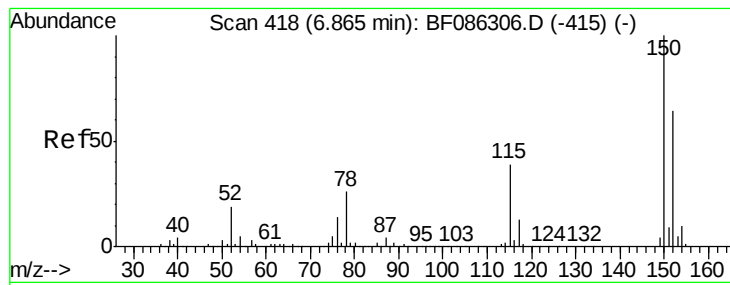
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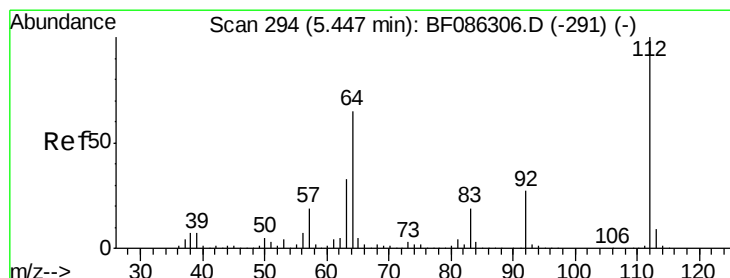
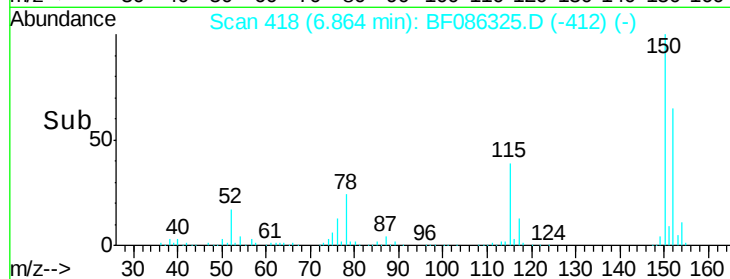
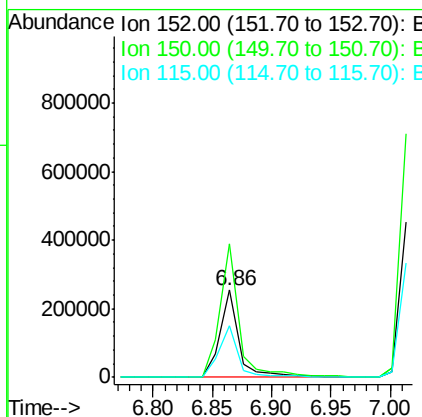
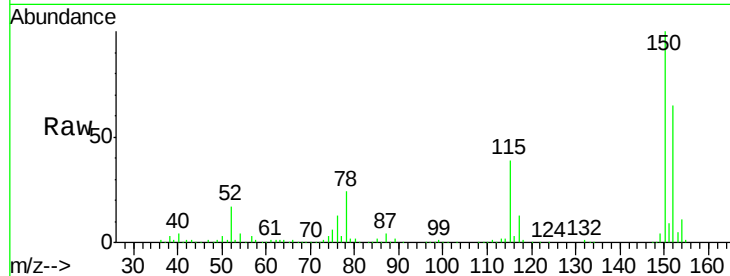
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 418
 Delta R.T. -0.03 min
 Lab File: BF086325.D
 Acq: 20 Apr 2016 23:06

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.1	186.1
115	59.1	43.9	65.9

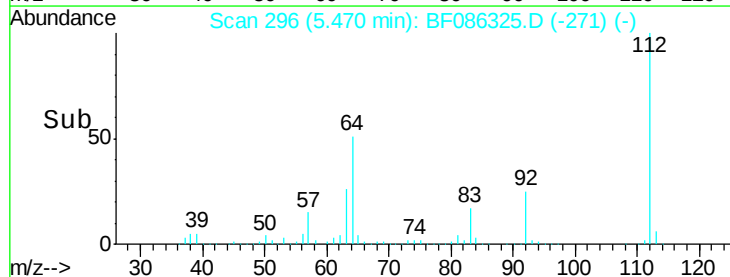
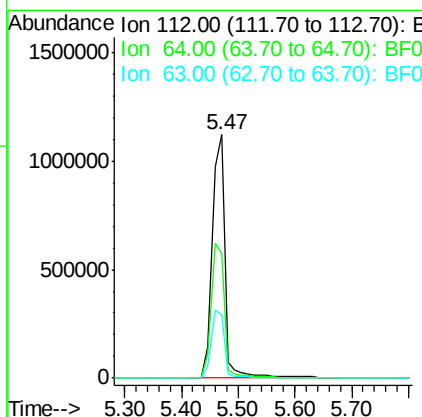
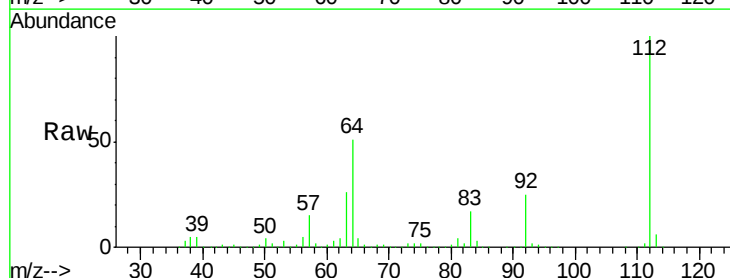
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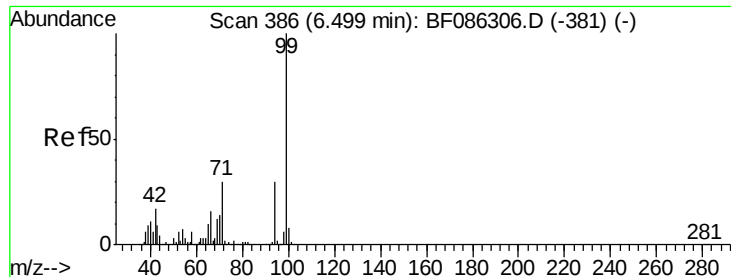
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#5
 2-Fluorophenol
 Concen: 105.90 ng
 RT: 5.47 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: BF086325.D
 Acq: 20 Apr 2016 23:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	48.1	72.1
63	26.1	25.5	38.3





#7

Phenol-d6

Concen: 106.94 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086325.D

Acq: 20 Apr 2016 23:06

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)C

Tot Ion: 99 Resp: 2267600

Ion Ratio Lower Upper

99 100

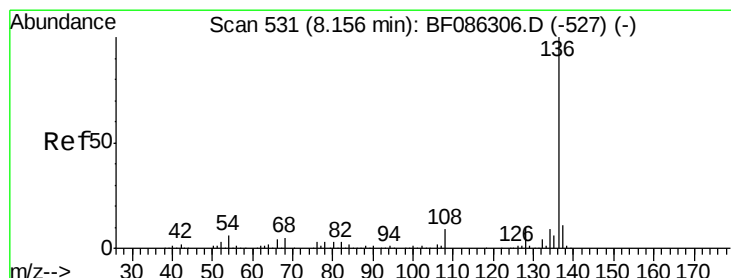
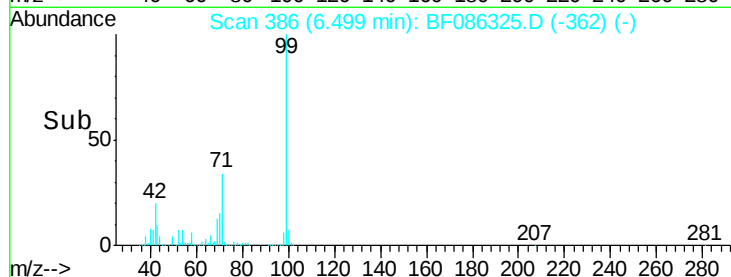
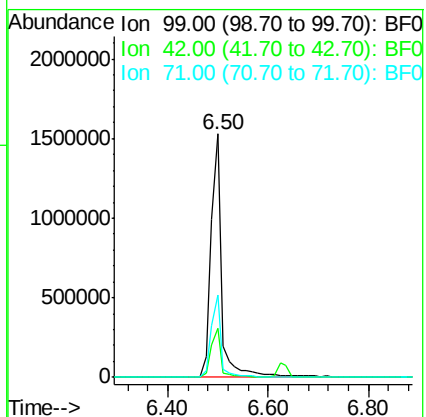
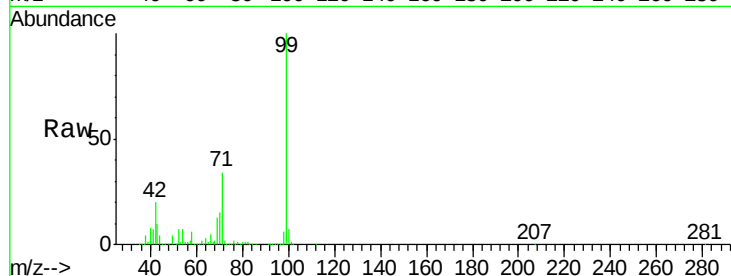
42 20.2 15.4 23.2

71 33.8 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: BF086325.D

Acq: 20 Apr 2016 23:06

Tgt Ion: 136 Resp: 1097571

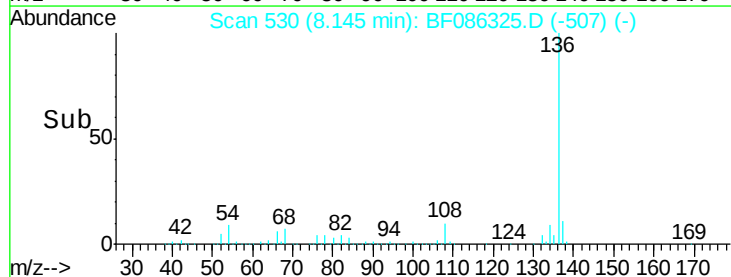
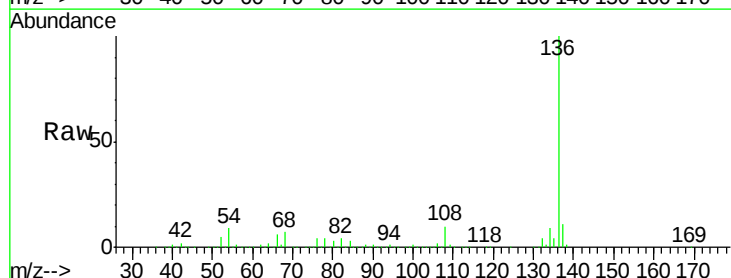
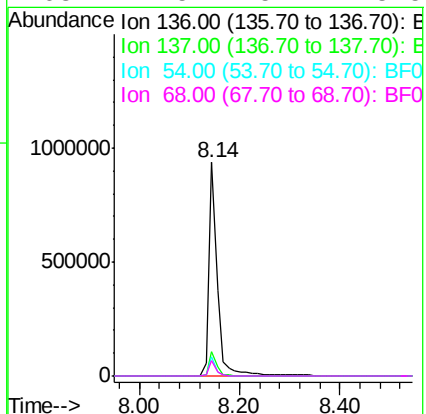
Ion Ratio Lower Upper

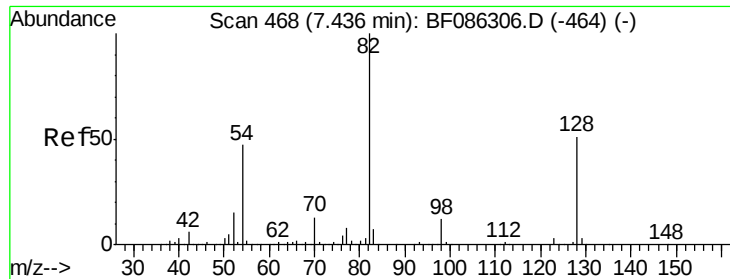
136 100

137 11.4 9.1 13.7

54 9.2 7.3 10.9

68 7.5 5.7 8.5





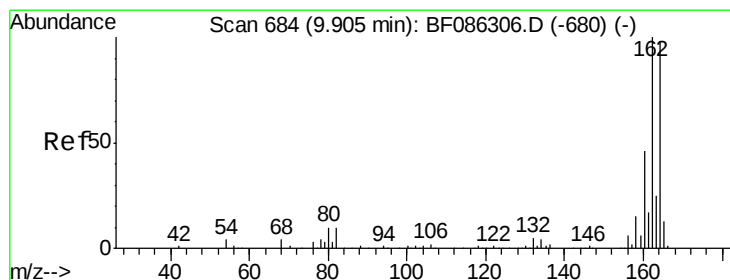
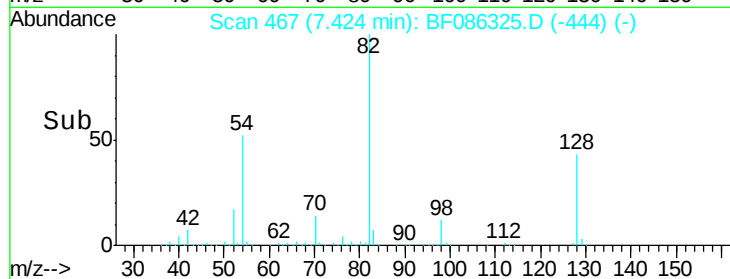
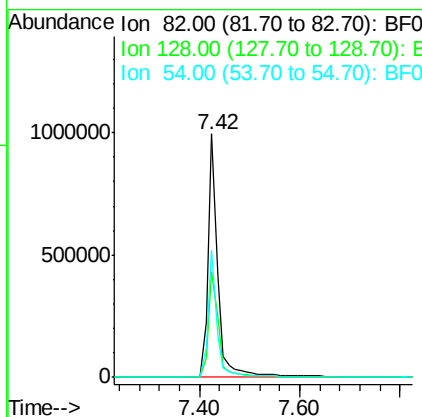
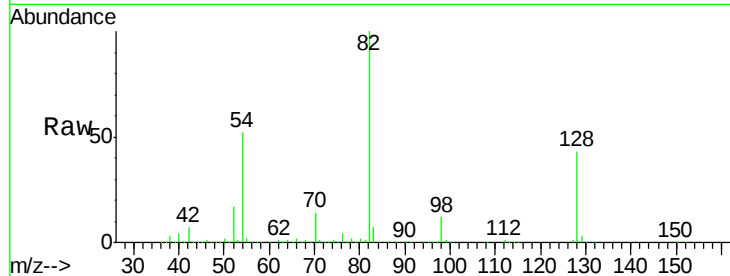
#23
 Nitrobenzene-d5
 Concen: 70.86 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.03 min
 Lab File: BF086325.D
 Acq: 20 Apr 2016 23:06

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

Tot Ion	82	Resp	1358043
Ion Ratio	Lower	Upper	
82	100		
128	43.1	35.4	53.2
54	52.3	43.4	65.0

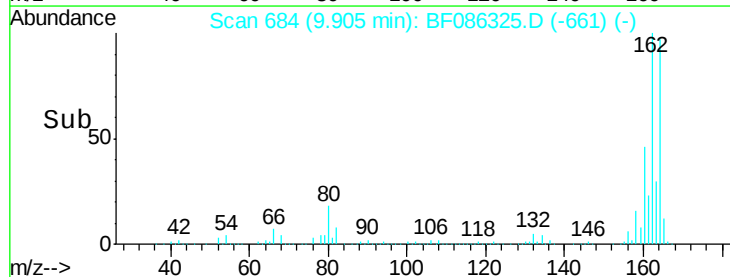
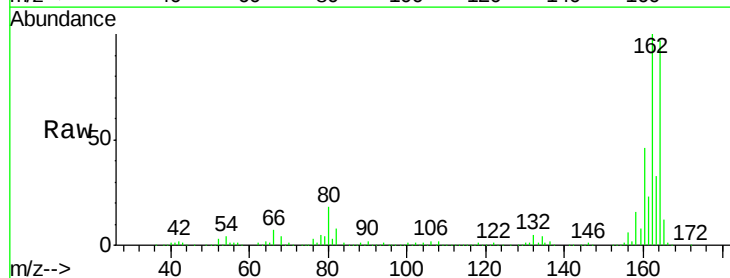
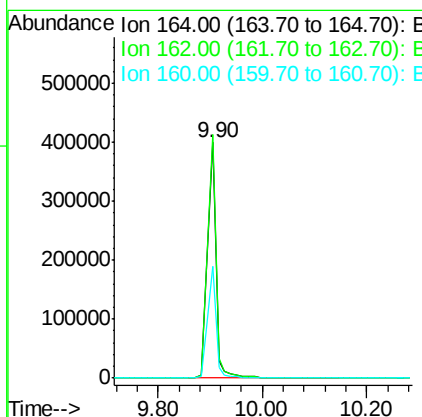
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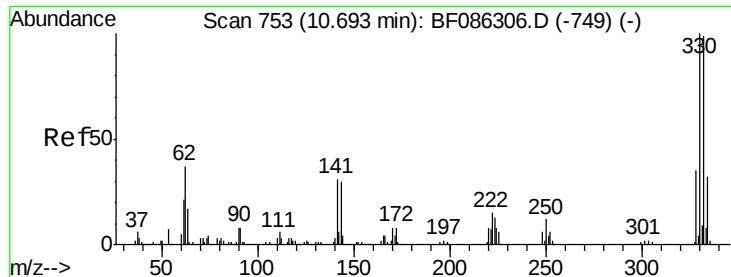
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.03 min
 Lab File: BF086325.D
 Acq: 20 Apr 2016 23:06

Tgt Ion	164	Resp	450661
Ion Ratio	Lower	Upper	
164	100		
162	103.2	82.8	124.2
160	47.4	38.9	58.3





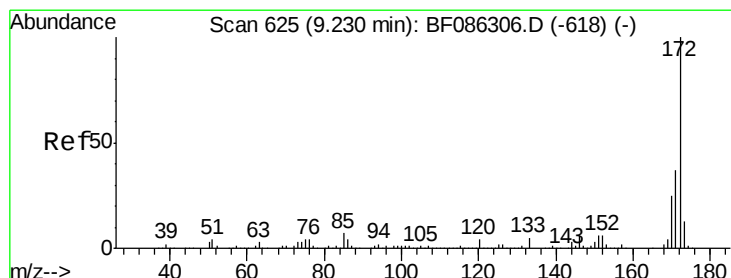
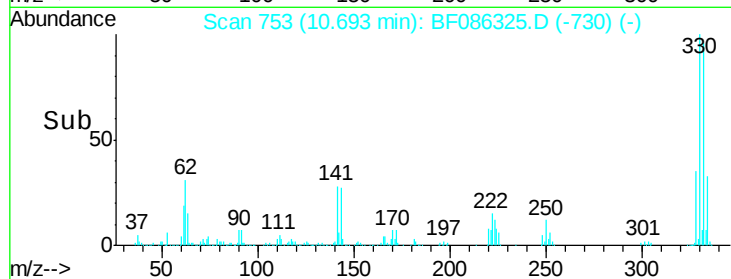
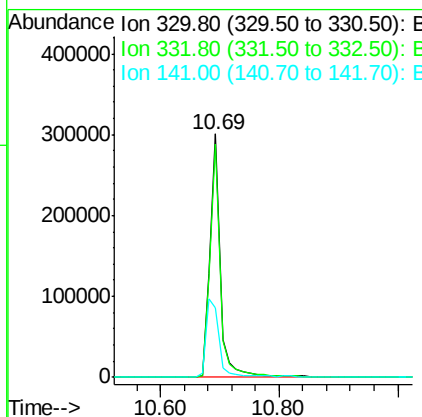
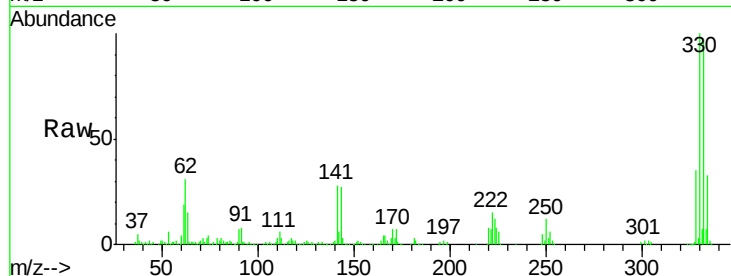
#41
 2,4,6-Tribromophenol
 Concen: 105.81 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.03 min
 Lab File: BF086325.D
 Acq: 20 Apr 2016 23:06

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.7	118.1
141	40.8	28.6	42.8

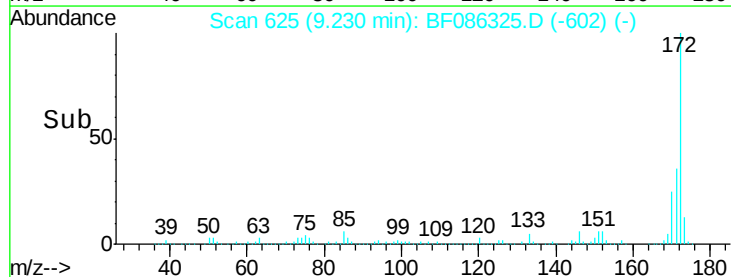
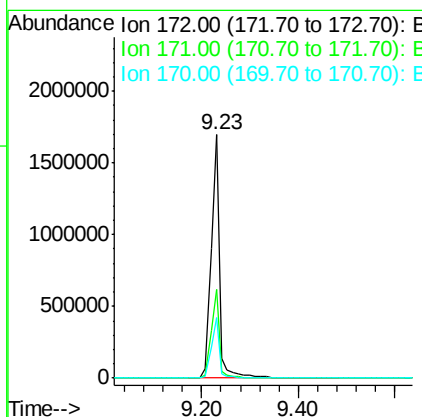
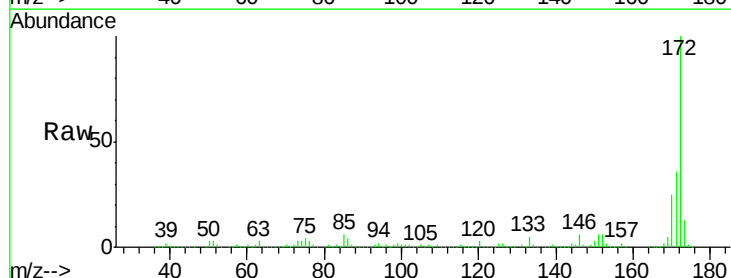
Manual Integrations
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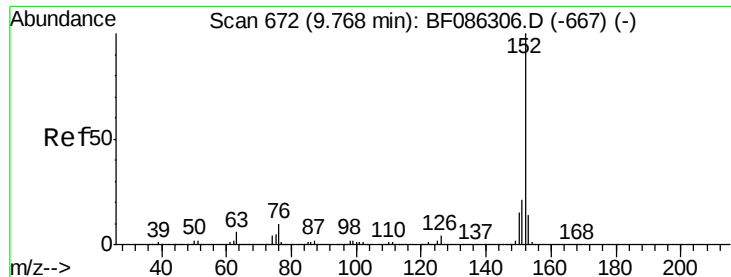
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#44
 2-Fluorobiphenyl
 Concen: 90.11 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF086325.D
 Acq: 20 Apr 2016 23:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.1	43.7
170	24.6	19.9	29.9





#48

Acenaphthylene

Concen: 2.46 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.04 min

Lab File: BF086325.D

Acq: 20 Apr 2016 23:06

Instrument :

BNA_F

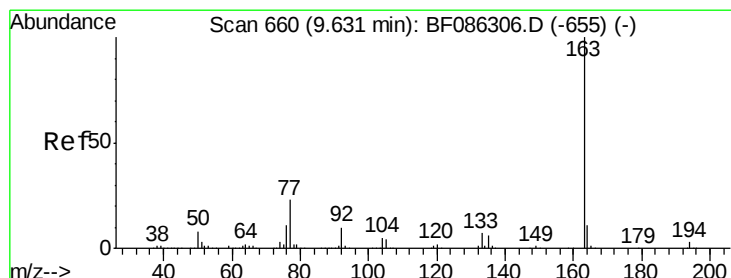
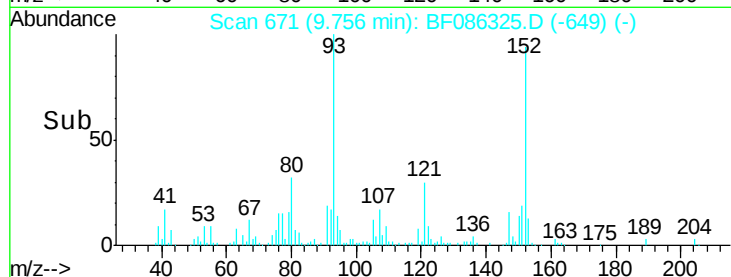
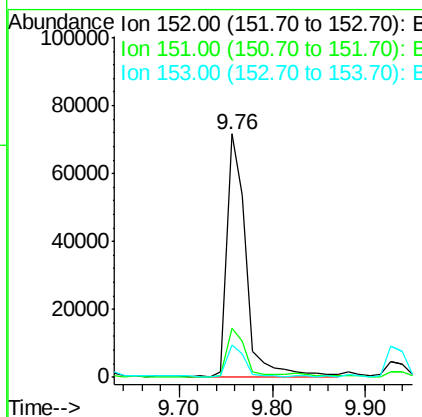
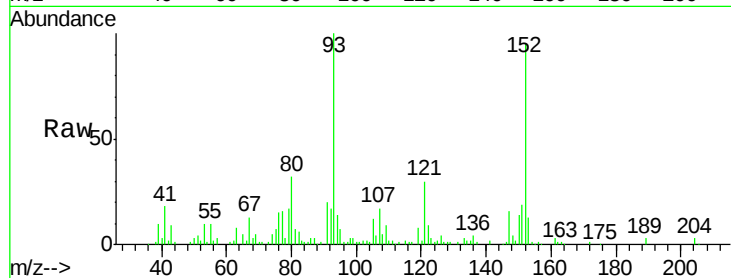
ClientSampleId :

RODNEY-AVE-PS(0-2)C

Manual Integrations
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Tot Ion:	152	Resp:	102965
Ion Ratio	Lower	Upper	
152	100		
151	20.2	17.2	25.8
153	13.3	10.7	16.1



#49

Dimethylphthalate

Concen: 11.32 ng

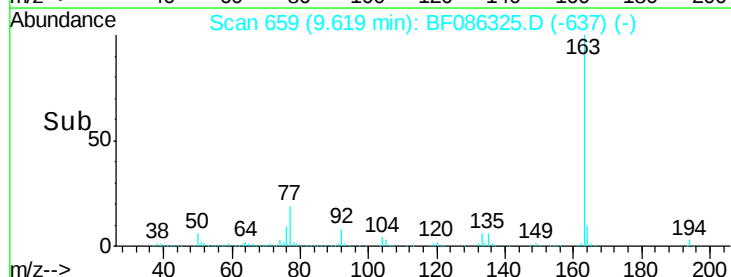
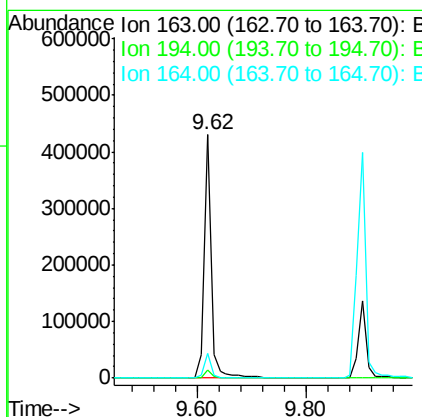
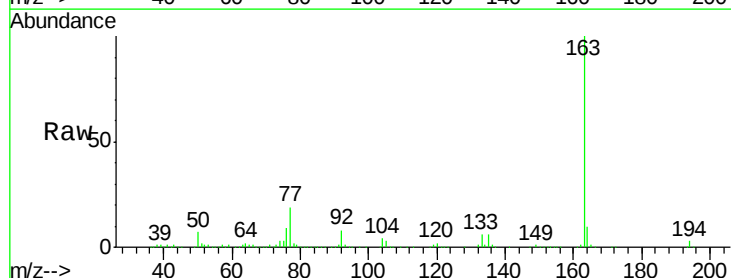
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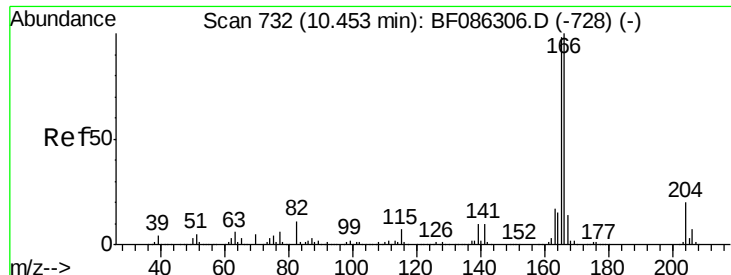
Delta R.T. -0.05 min

Lab File: BF086325.D

Acq: 20 Apr 2016 23:06

Tgt Ion:	163	Resp:	388484
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.8	4.2
164	10.2	8.4	12.6





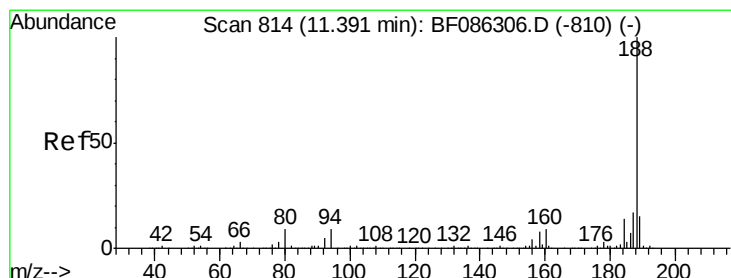
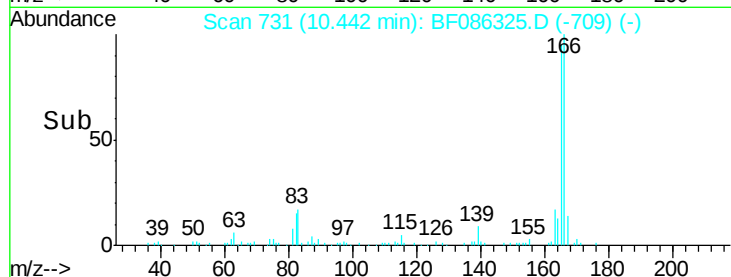
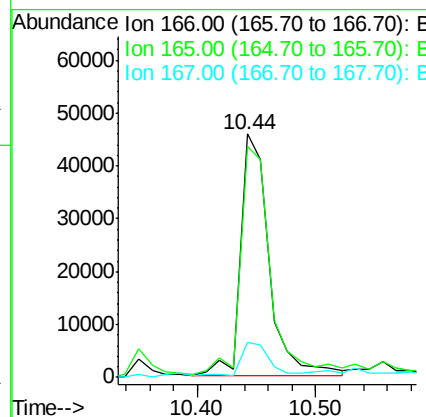
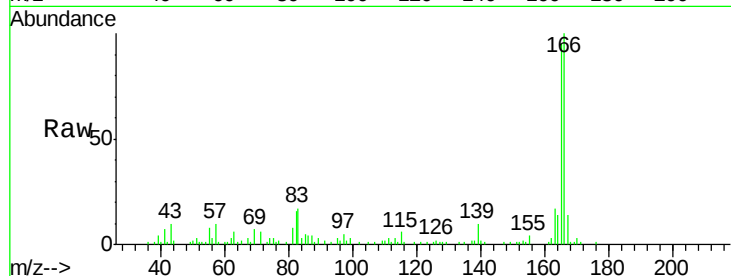
#57
Fluorene
 Concen: 3.10 ng
 RT: 10.44 min Scan# 731
 Delta R.T. -0.05 min
 Lab File: BF086325.D
 Acq: 20 Apr 2016 23:06

Instrument :
 BNA_F
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 RODNEY-AVE-PS(0-2)C

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.7	78.6	117.8
167	14.3	10.4	15.6

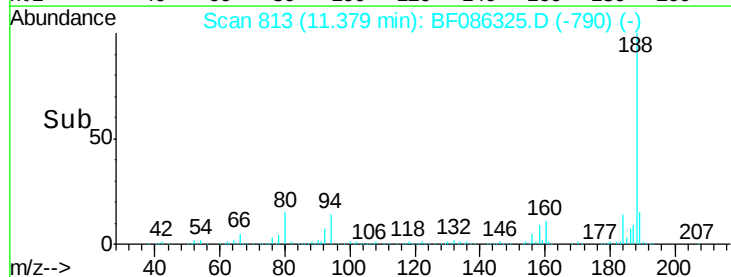
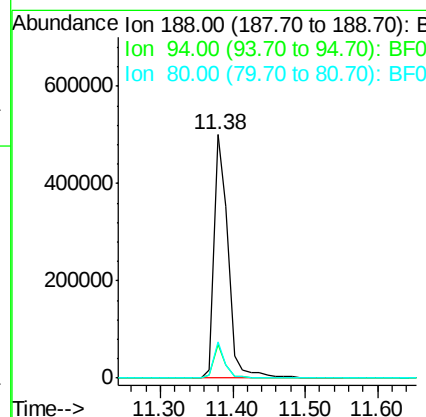
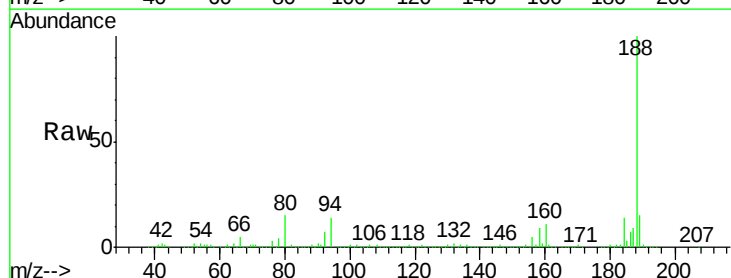
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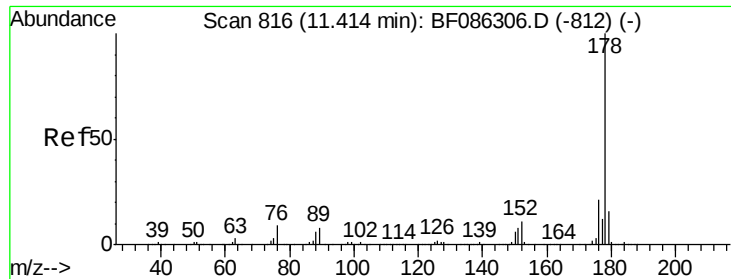
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.03 min
 Lab File: BF086325.D
 Acq: 20 Apr 2016 23:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.7	9.8	14.8
80	15.1	10.5	15.7





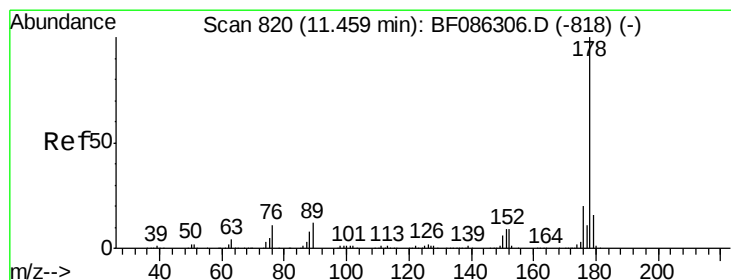
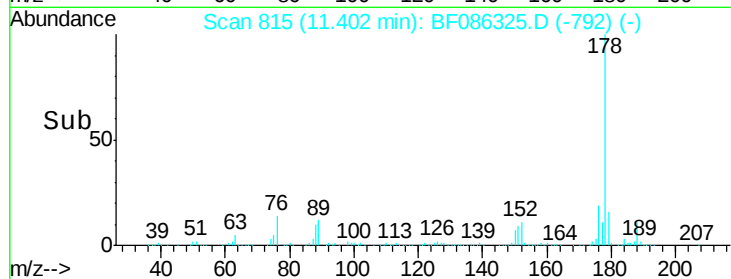
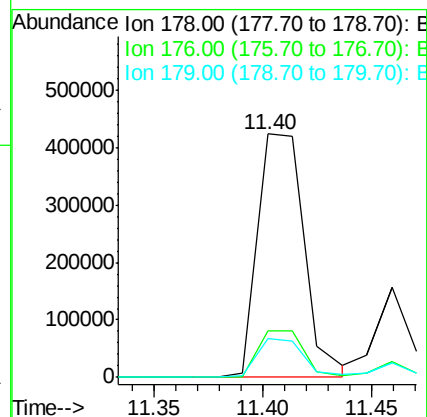
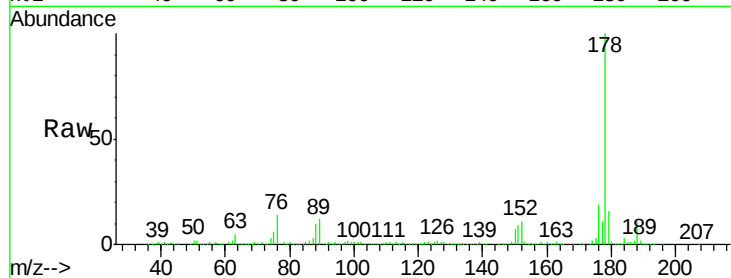
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Phenanthrene
Concen: 19.91 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.03 min
Lab File: BF086325.D
Acq: 20 Apr 2016 23:06

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.3	24.5
179	15.9	13.0	19.6

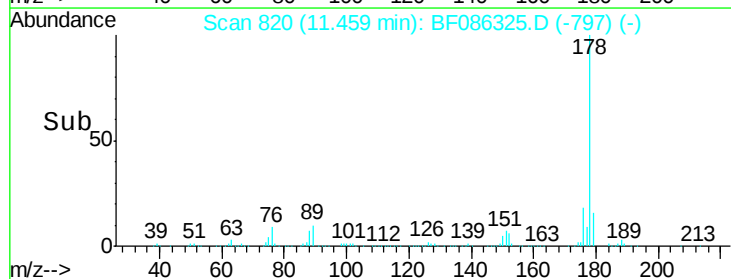
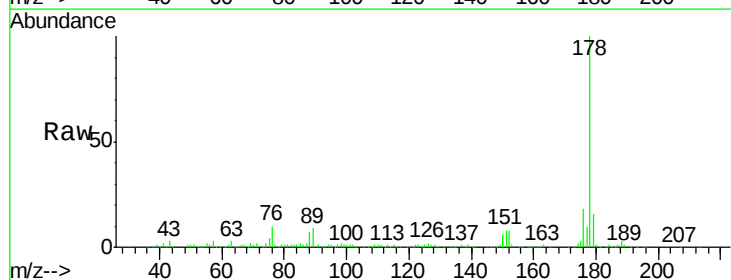
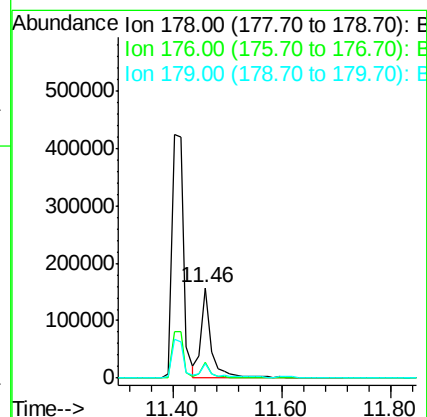
Manual Integrations
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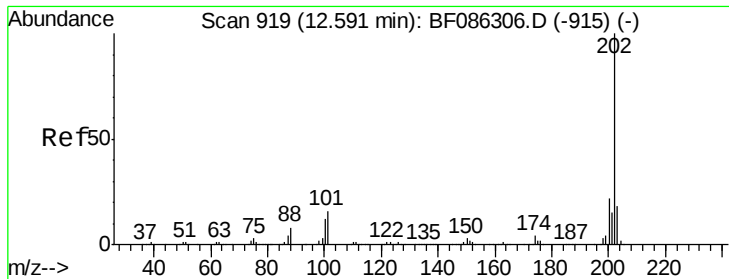
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#71
Anthracene
Concen: 6.06 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.03 min
Lab File: BF086325.D
Acq: 20 Apr 2016 23:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	16.2	24.4
179	16.4	13.2	19.8





#74

Fluoranthene

Concen: 29.62 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF086325.D

Acq: 20 Apr 2016 23:06

Instrument :

BNA_F

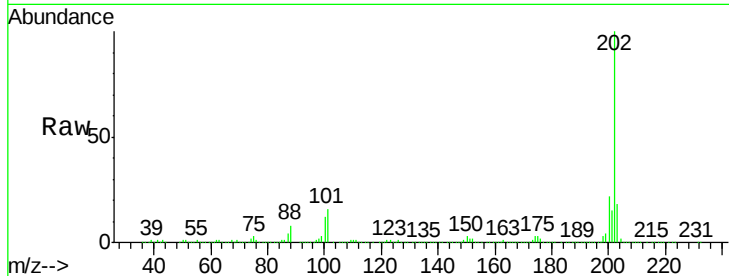
ClientSampleId :

RODNEY-AVE-PS(0-2)C

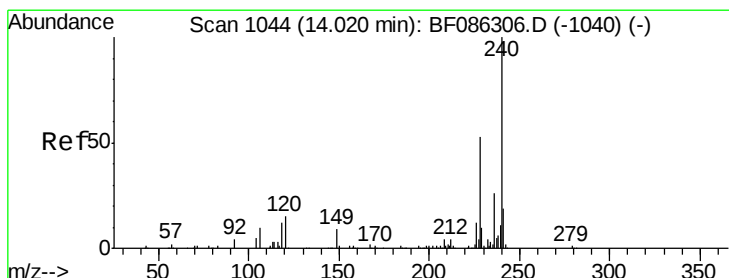
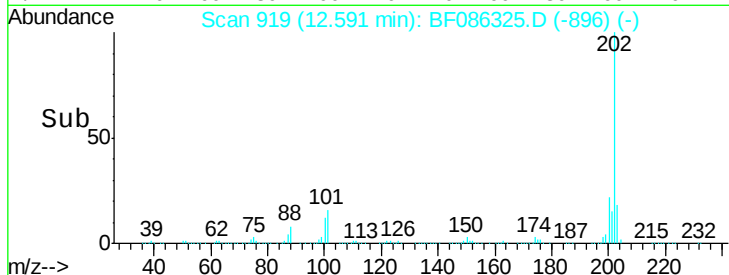
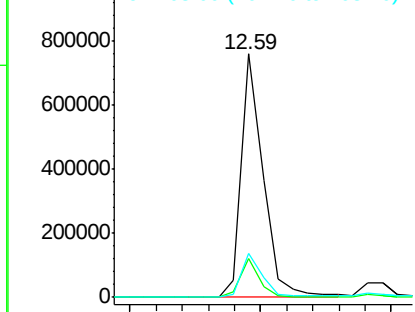
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		876376		
101	16.1	0.0	35.2		
203	17.8	0.0	38.2		

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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

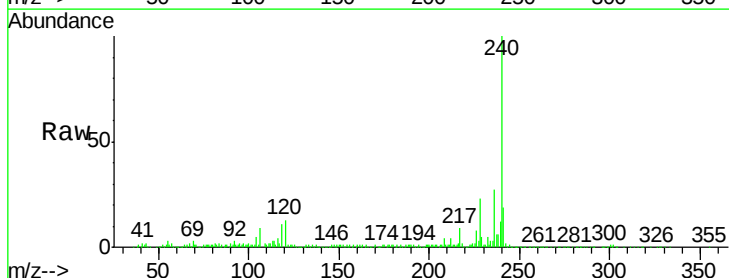
RT: 14.02 min Scan# 1044

Delta R.T. -0.03 min

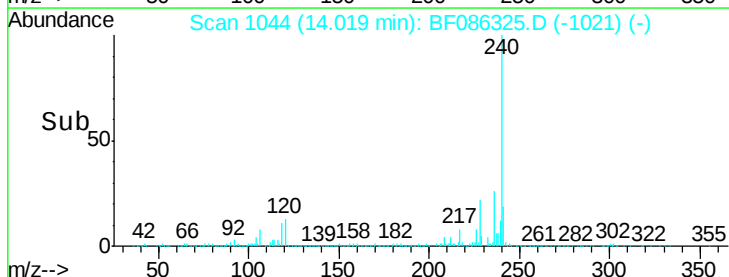
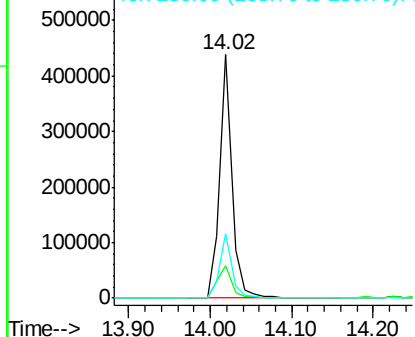
Lab File: BF086325.D

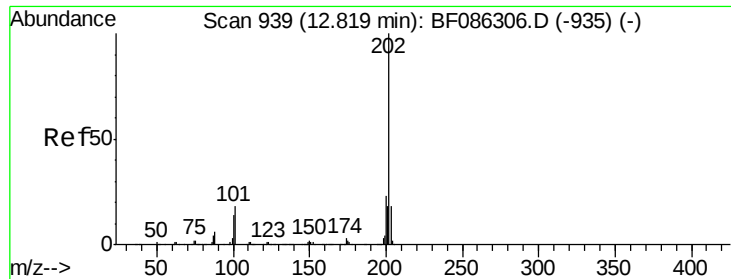
Acq: 20 Apr 2016 23:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		457047		
120	13.3	9.3	13.9		
236	26.7	21.1	31.7		



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





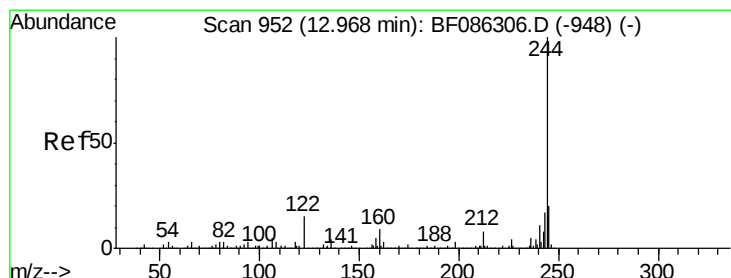
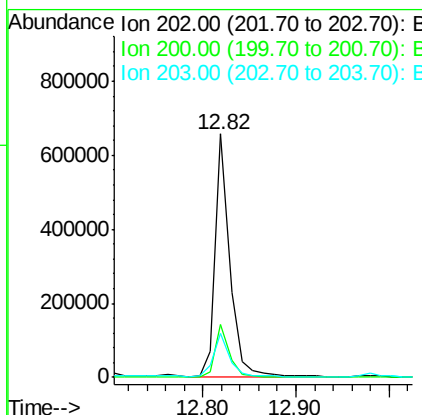
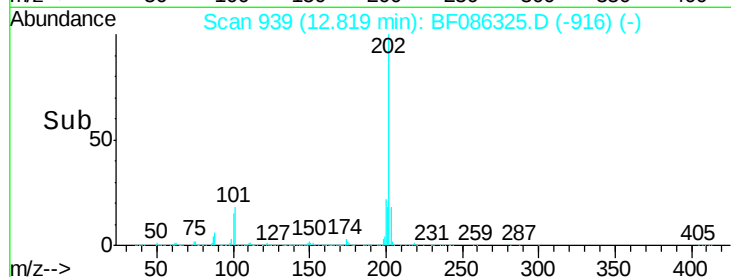
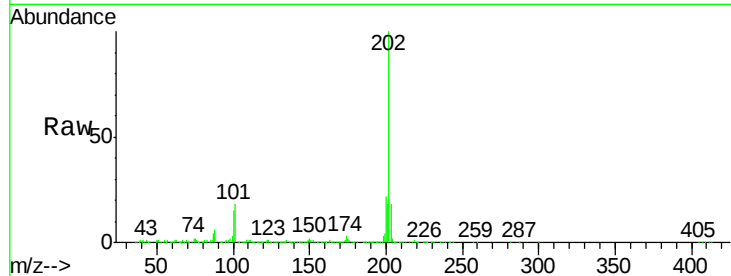
#77
Pvrene
Concen: 20.89 ng
RT: 12.82 min Scan# 939
Delta R.T. -0.03 min
Lab File: BF086325.D
Acq: 20 Apr 2016 23:06

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.6	18.3	27.5
203	18.3	14.9	22.3

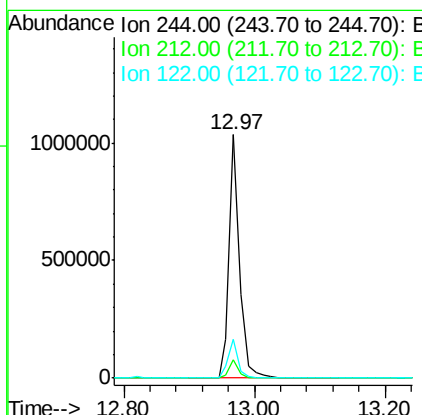
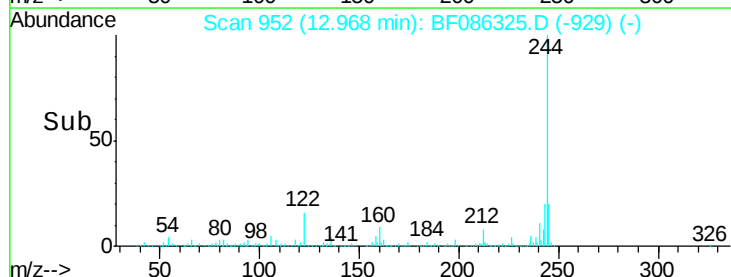
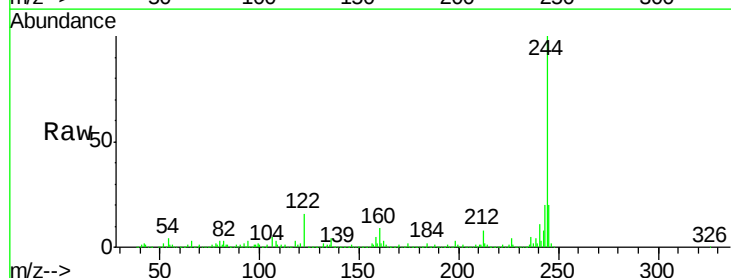
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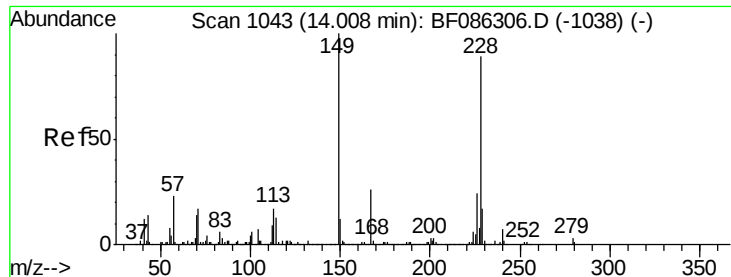
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#78
Terphenyl-d14
Concen: 59.18 ng
RT: 12.97 min Scan# 952
Delta R.T. -0.03 min
Lab File: BF086325.D
Acq: 20 Apr 2016 23:06

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.6	6.4	9.6
122	15.9	11.7	17.5





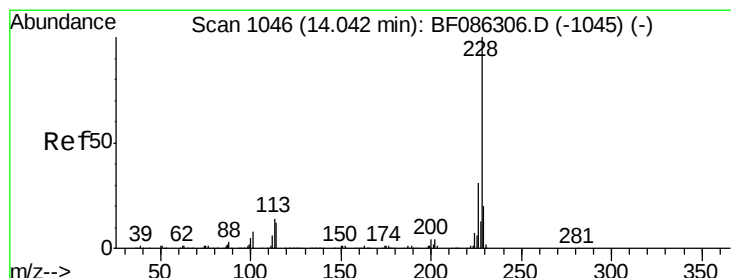
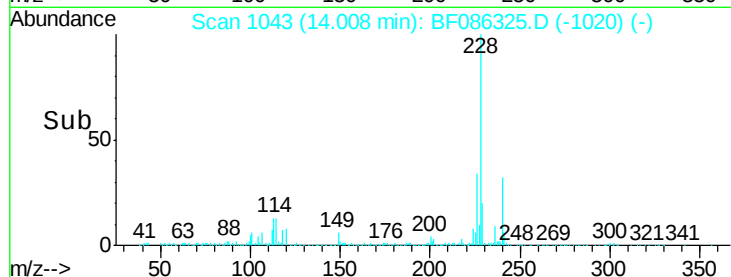
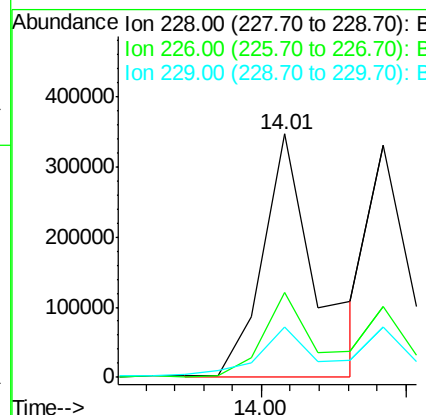
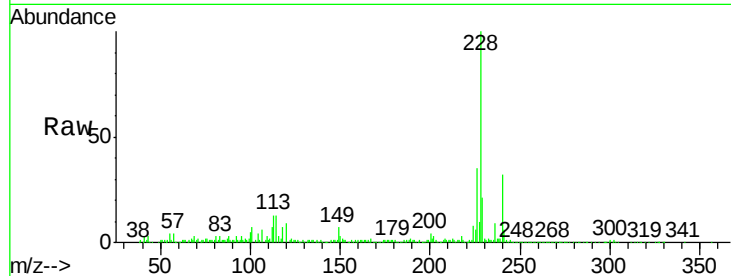
#80
Benzo(a)anthracene
Concen: 18.32 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF086325.D
Acq: 20 Apr 2016 23:06

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.7	22.5	33.7#
229	20.9	16.2	24.2

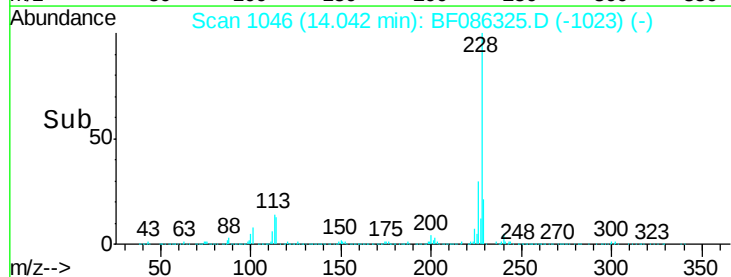
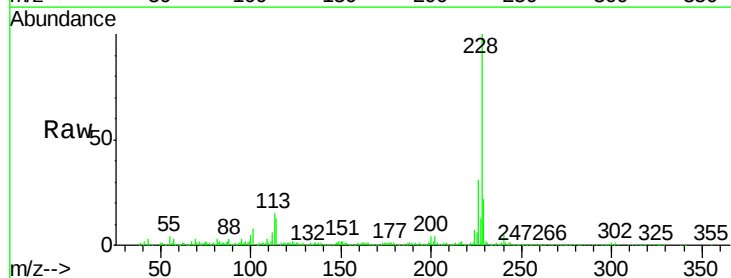
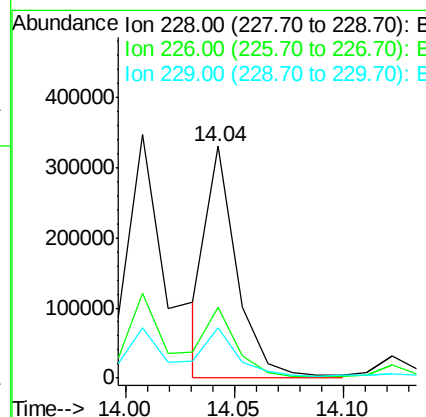
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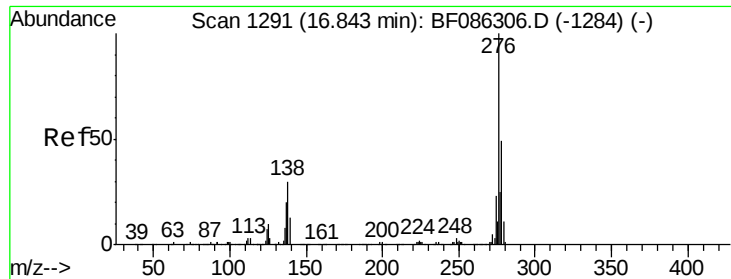
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#82
Chrysene
Concen: 12.18 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.03 min
Lab File: BF086325.D
Acq: 20 Apr 2016 23:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.4	38.2
229	21.8	16.5	24.7





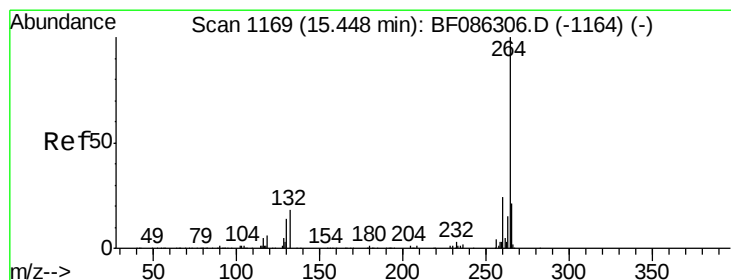
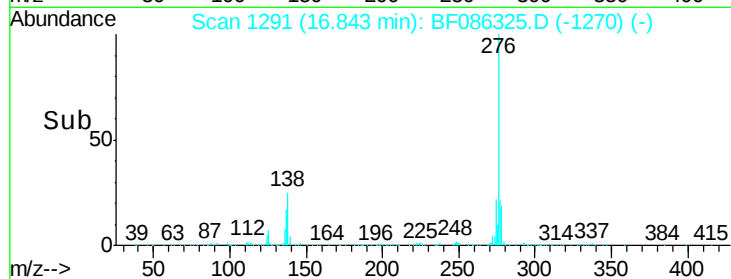
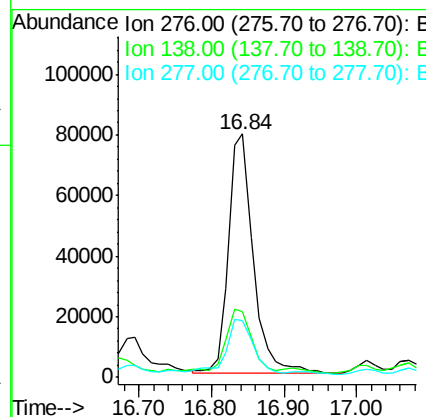
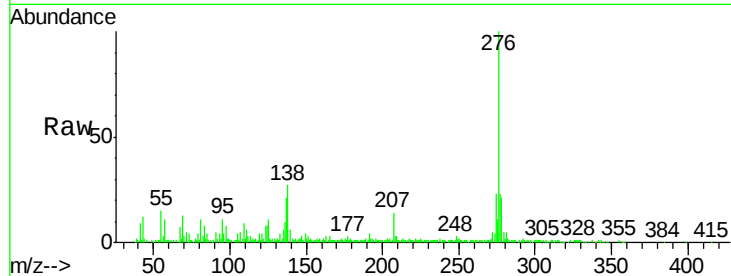
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.05 ng
 RT: 16.84 min Scan# 1291
 Delta R.T. -0.06 min
 Lab File: BF086325.D
 Acq: 20 Apr 2016 23:06

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.4	23.8	35.6
277	24.9	20.2	30.2

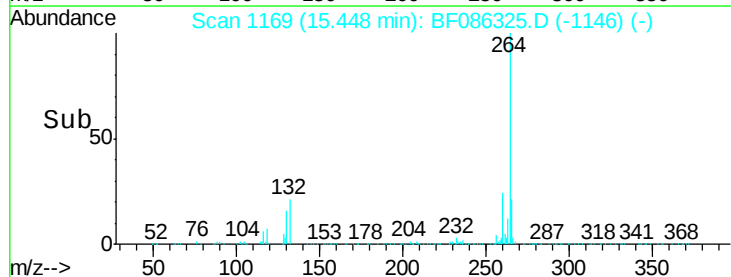
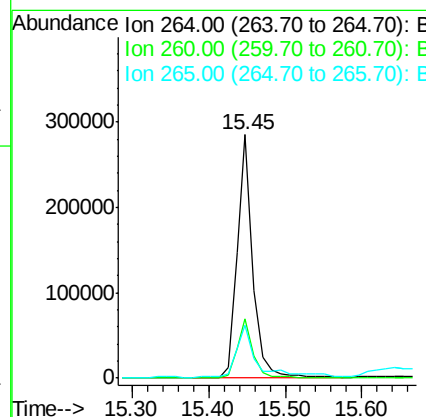
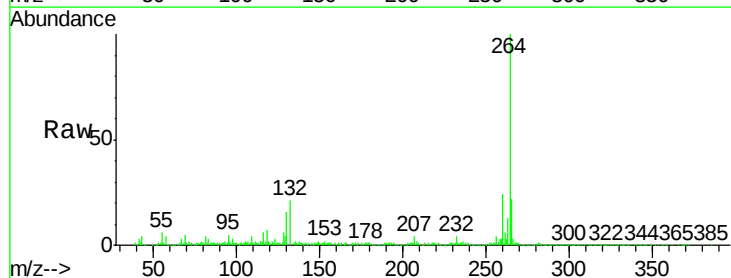
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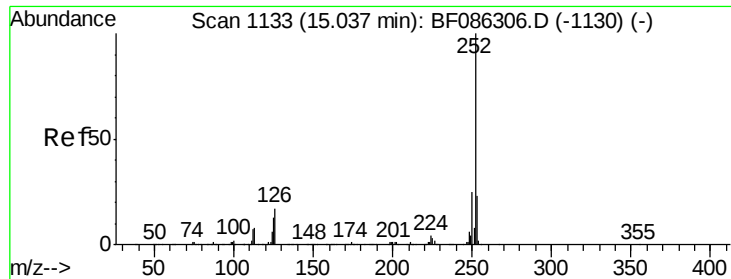
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.45 min Scan# 1169
 Delta R.T. -0.03 min
 Lab File: BF086325.D
 Acq: 20 Apr 2016 23:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.0	30.0
265	21.6	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 18.53 ng m

RT: 15.04 min Scan# 1133

Delta R.T. -0.03 min

Lab File: BF086325.D

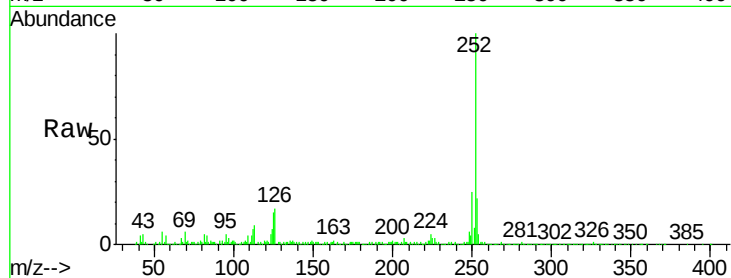
Acq: 20 Apr 2016 23:06

Instrument :

BNA_F

ClientSampleId :

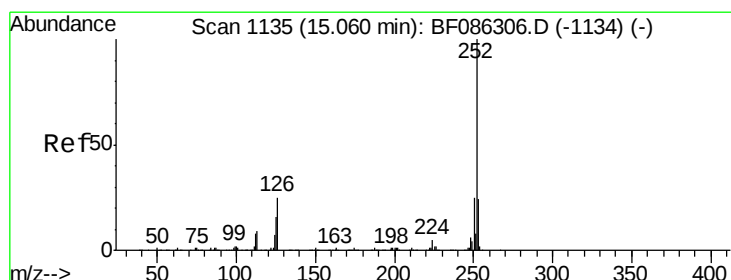
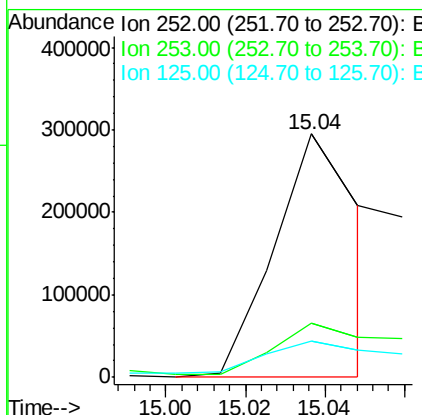
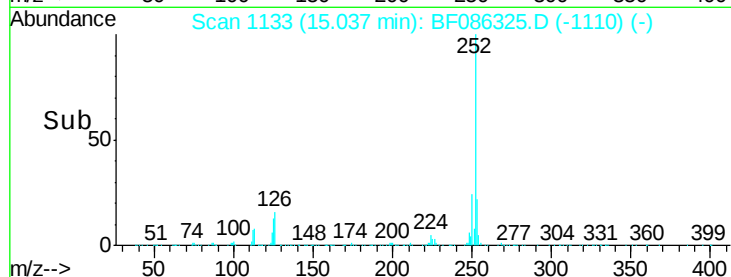
RODNEY-AVE-PS(0-2)C



Tot Ion:	252	Resp:	437812
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.7	26.5
125	15.0	10.3	15.5

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#88

Benzo(k)fluoranthene

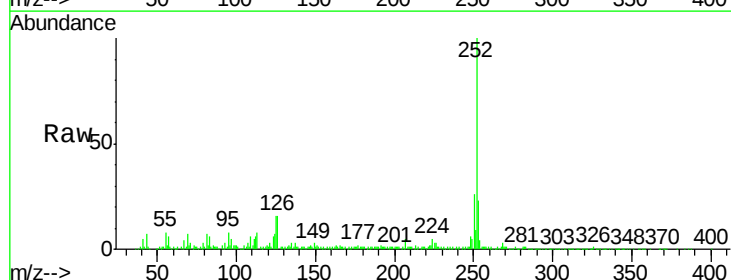
Concen: 10.69 ng m

RT: 15.05 min Scan# 1134

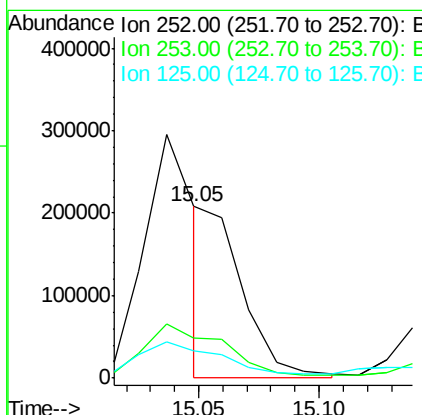
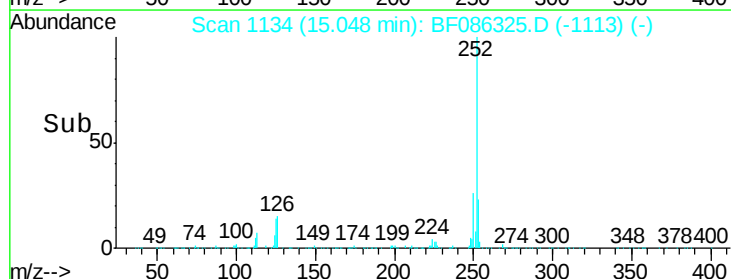
Delta R.T. -0.06 min

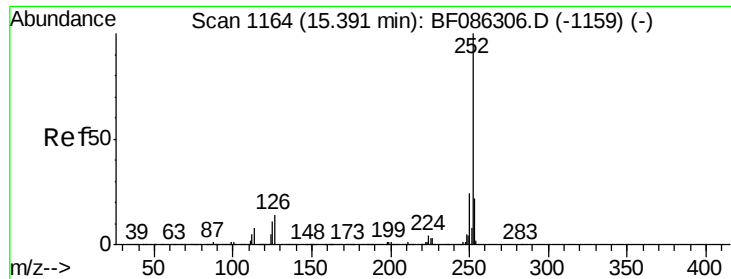
Lab File: BF086325.D

Acq: 20 Apr 2016 23:06



Tgt Ion:	252	Resp:	212566
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.5	26.3
125	16.2	7.8	11.6#





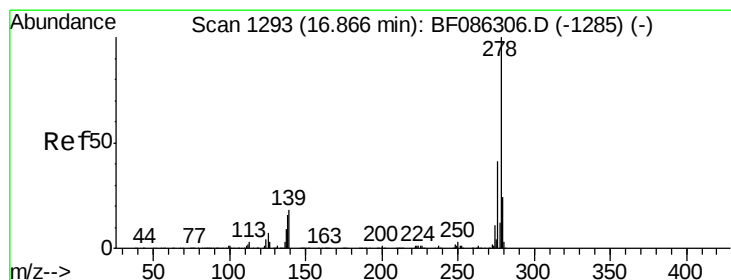
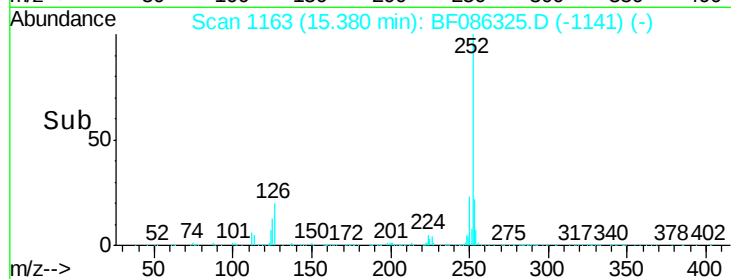
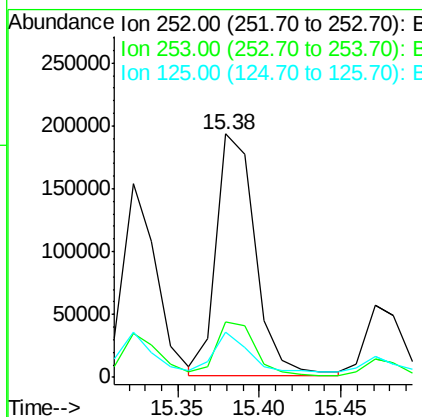
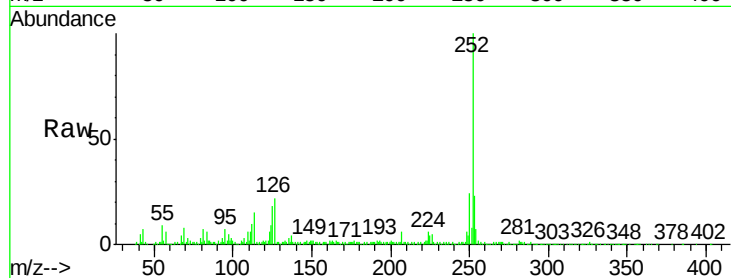
#89
Benzo(a)pyrene
Concen: 14.63 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.05 min
Lab File: BF086325.D
Acq: 20 Apr 2016 23:06

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	18.4	11.2	16.8

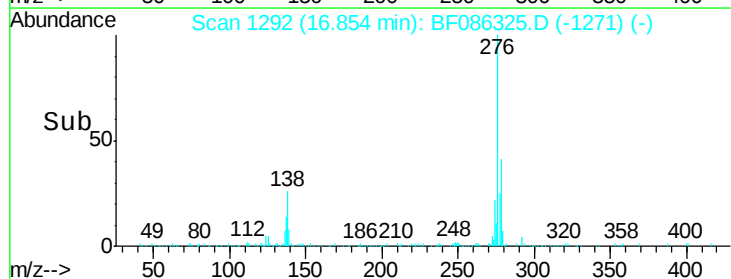
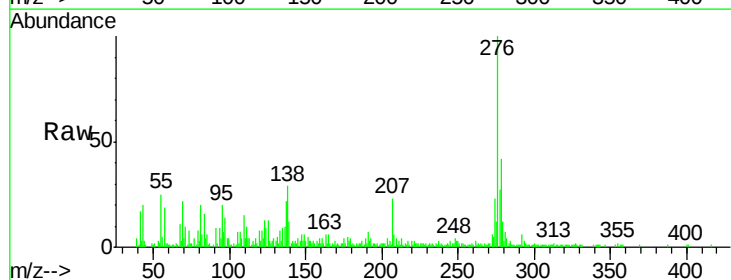
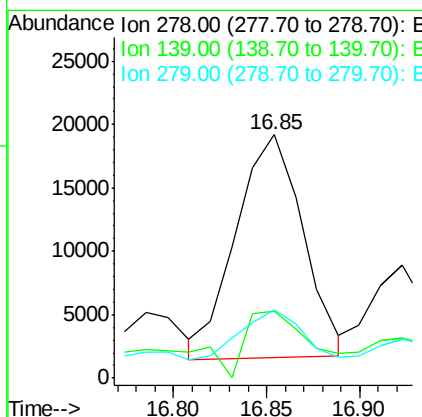
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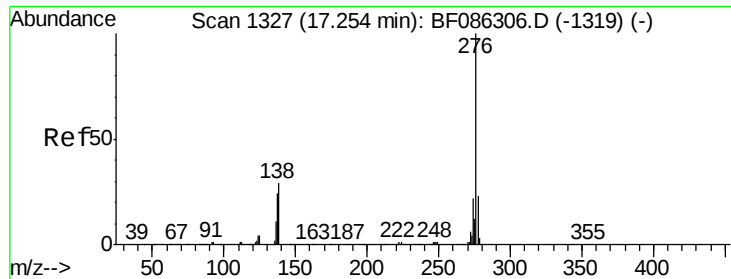
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#90
Dibenzo(a,h)anthracene
Concen: 2.31 ng
RT: 16.85 min Scan# 1292
Delta R.T. -0.06 min
Lab File: BF086325.D
Acq: 20 Apr 2016 23:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.7	15.3	22.9
279	28.3	19.1	28.7





#91
 Benzo(a,h,i)perylene
 Concen: 9.11 ng
 RT: 17.25 min Scan# 1327
 Delta R.T. -0.07 min
 Lab File: BF086325.D
 Acq: 20 Apr 2016 23:06

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.0	28.6
138	31.4	19.6	29.4

Manual Integrations
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