

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010716\
 Data File : BF084320.D
 Acq On : 8 Jan 2016 1:33
 Operator : SJ/UM
 Sample : H1028-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BT003

Manual Integrations
 APPROVED

UMANGI
 1/8/2016 10:43:05 AM

Quant Time: Jan 08 05:52:44 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	242066	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	1014060	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	469004	20.00	ng	-0.05
63) Phenanthrene-d10	11.39	188	853306	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	642568	20.00	ng	-0.05
86) Perylene-d12	15.45	264	504680	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1693807	113.18	ng	-0.01
7) Phenol-d6	6.51	99	1927022	102.52	ng	-0.02
23) Nitrobenzene-d5	7.44	82	1519701	83.41	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	472879	99.87	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	2005520	74.44	ng	-0.03
78) Terphenyl-d14	12.98	244	2014896	69.99	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	271515	8.10	ng	# 92
70) Phenanthrene	11.41	178	150324	3.37	ng	100
74) Fluoranthene	12.60	202	206294	4.42	ng	91
77) Pyrene	12.82	202	209536	4.16	ng	98
80) Benzo(a)anthracene	14.01	228	102285	2.71	ng	98
87) Benzo(b)fluoranthene	15.04	252	83627m	2.53	ng	

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

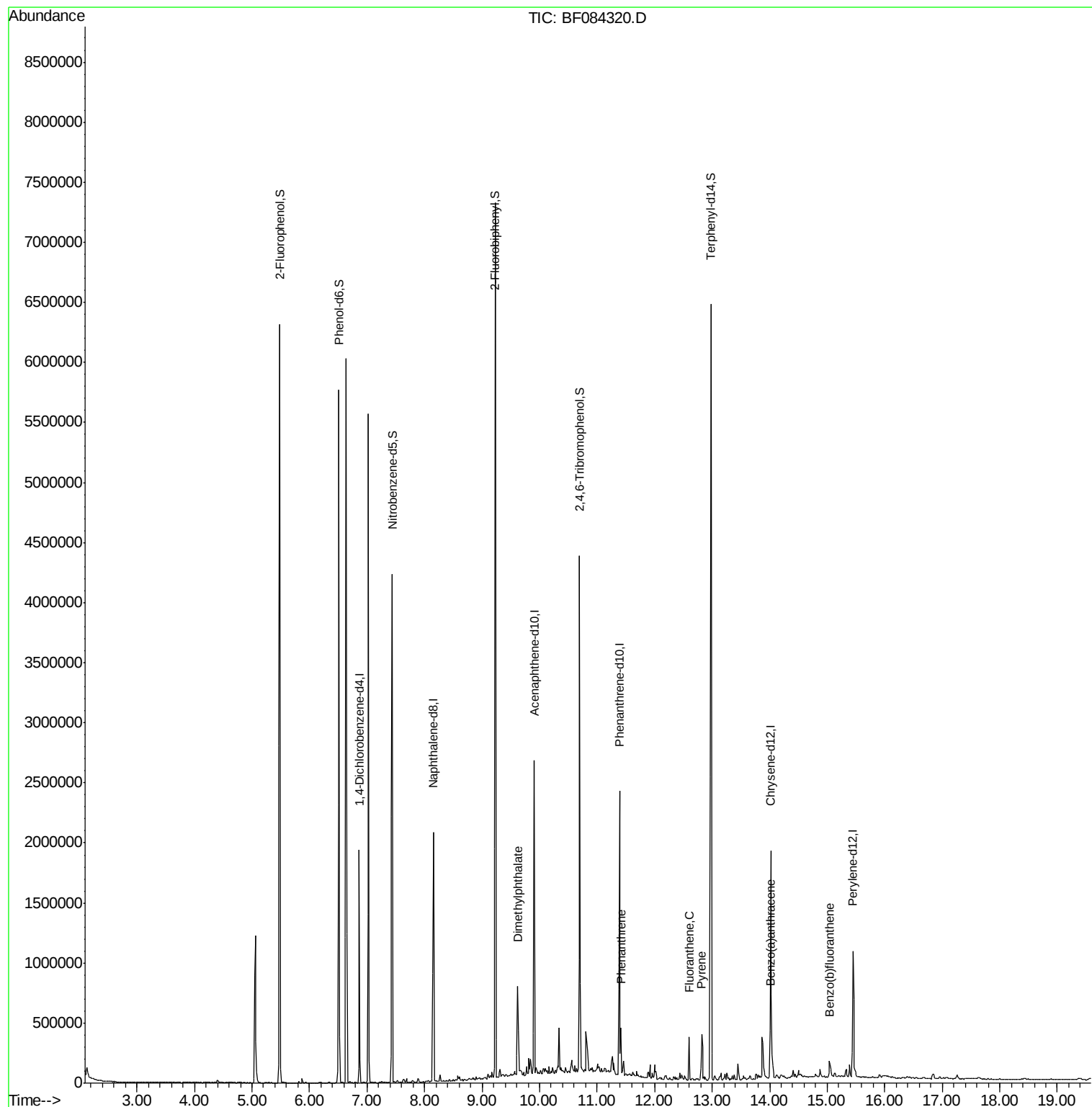
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010716\
Data File : BF084320.D
Acq On : 8 Jan 2016 1:33
Operator : SJ/UM
Sample : H1028-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Quant Time: Jan 08 05:52:44 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

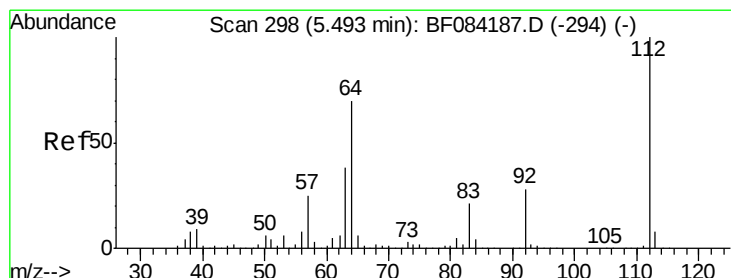
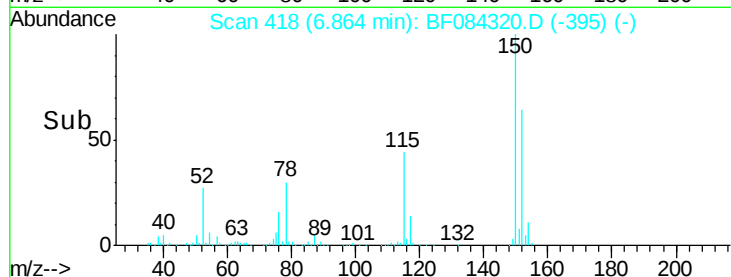
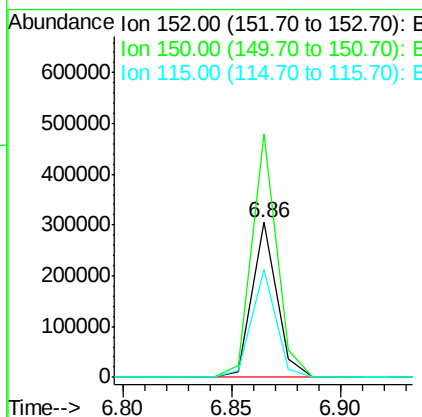
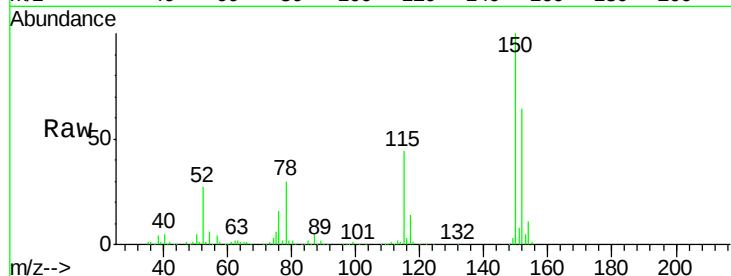
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.03 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

Instrument :
BNA_F
ClientSampleId :
BT003

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	123.0	184.4
115	69.4	51.4	77.2

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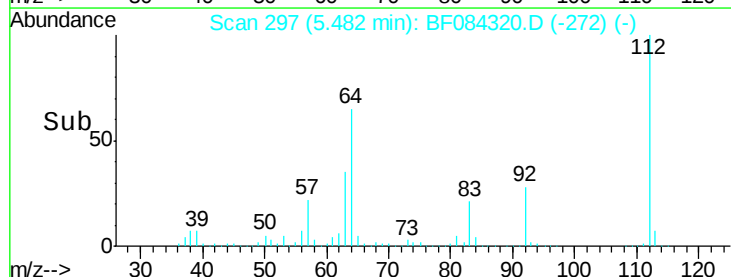
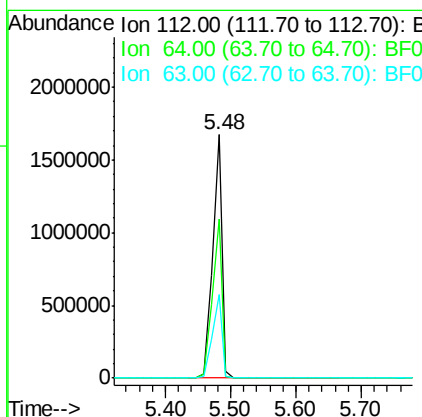
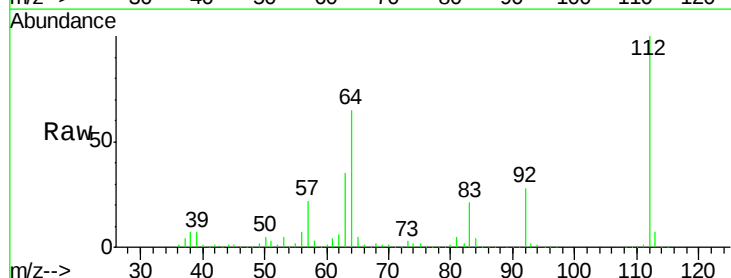
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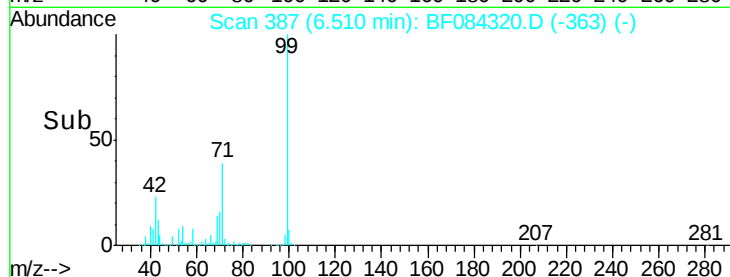
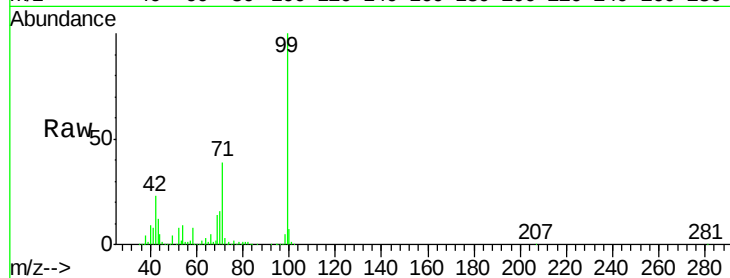
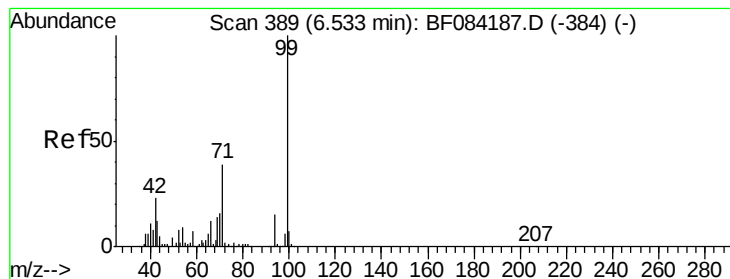


#5

2-Fluorophenol
Concen: 113.18 ng
RT: 5.48 min Scan# 297
Delta R.T. -0.01 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	36.6	55.0#
63	34.6	19.4	29.0#





#7

Phenol-d6

Concen: 102.52 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

Tot Ion: 99 Resp: 1927022

Ion Ratio Lower Upper

99 100

42 22.6 12.8 19.2#

71 38.9 30.9 46.3

Instrument :

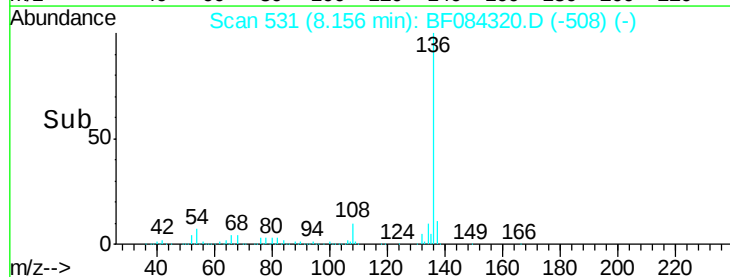
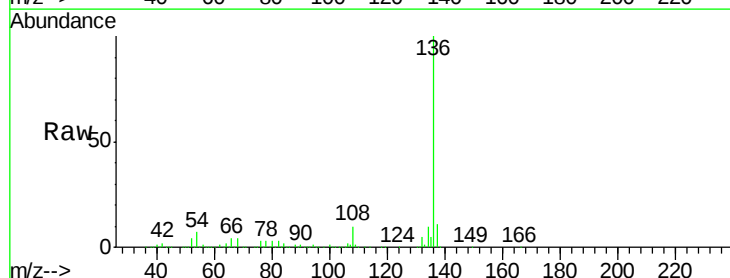
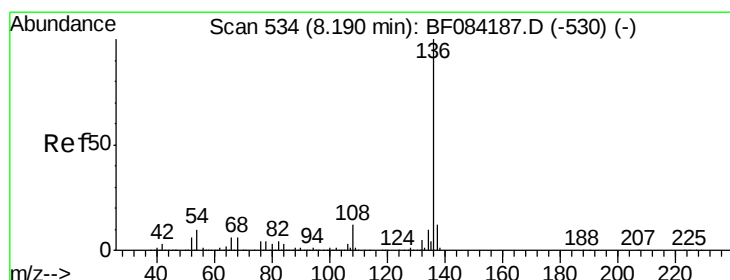
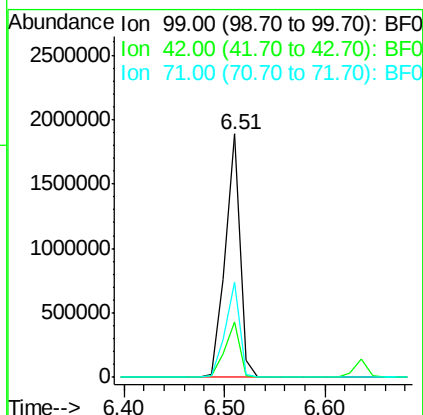
BNA_F

ClientSampleId :

BT003

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.03 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

Tgt Ion:136 Resp: 1014060

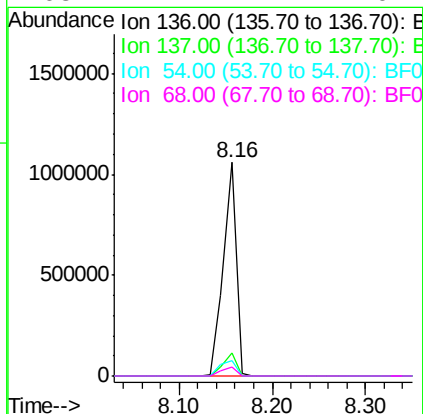
Ion Ratio Lower Upper

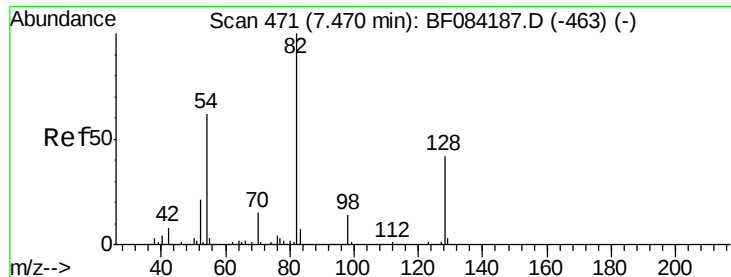
136 100

137 10.9 8.7 13.1

54 7.4 5.8 8.8

68 4.4 4.2 6.2





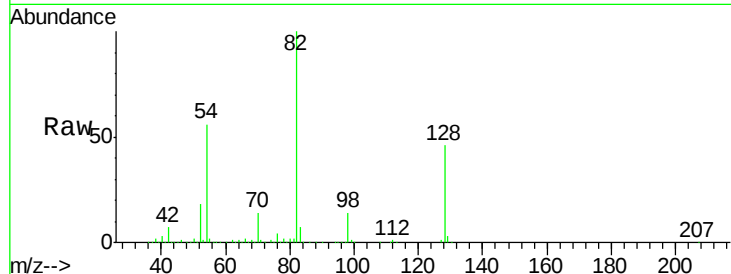
#23
 Nitrobenzene-d5
 Concen: 83.41 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.03 min
 Lab File: BF084320.D
 Acq: 8 Jan 2016 1:33

Instrument :
 BNA_F
 ClientSampleId :
 BT003

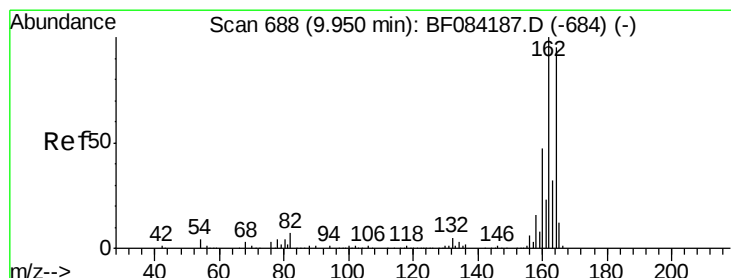
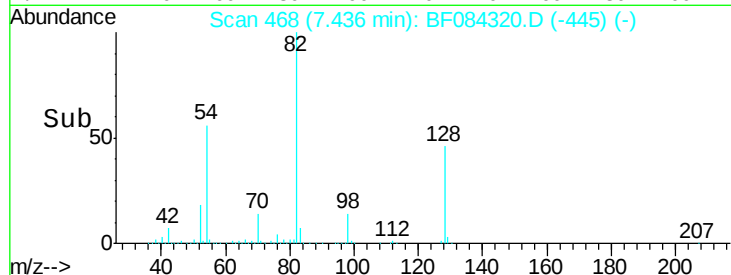
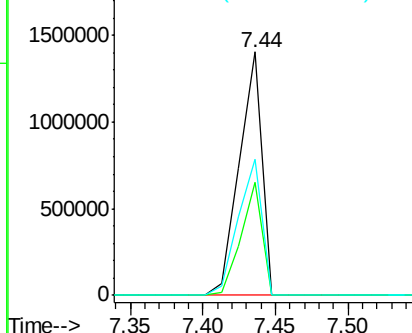
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.6	51.8
54	56.1	38.4	57.6

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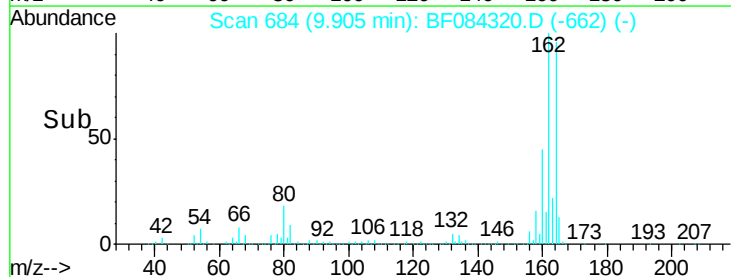
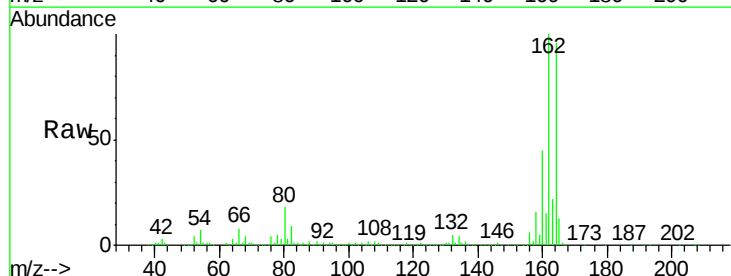
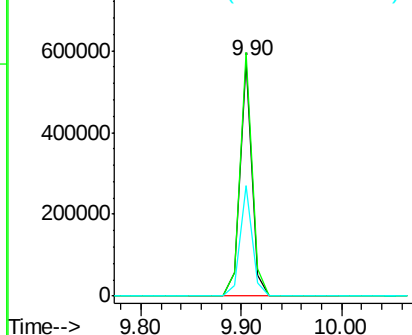
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.05 min
 Lab File: BF084320.D
 Acq: 8 Jan 2016 1:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	85.1	127.7
160	46.9	37.5	56.3

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





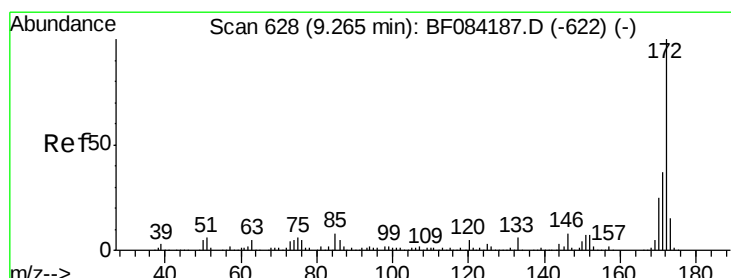
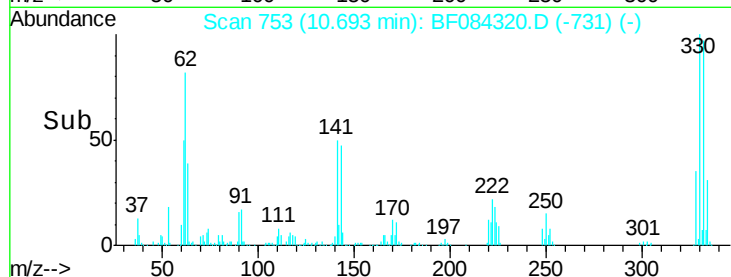
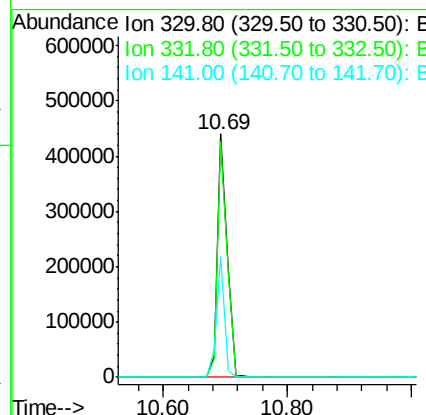
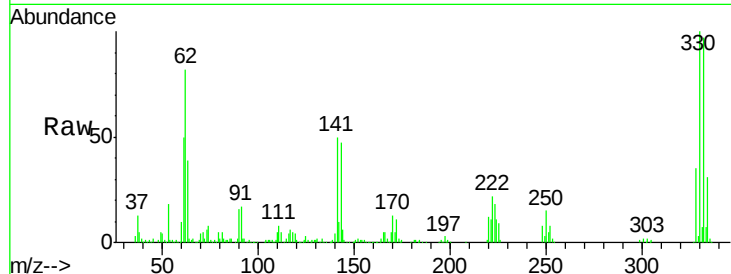
#41
 2,4,6-Tribromophenol
 Concen: 99.87 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.05 min
 Lab File: BF084320.D
 Acq: 8 Jan 2016 1:33

Instrument :
 BNA_F
 ClientSampleId :
 BT003

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.6	114.8
141	41.5	27.8	41.6

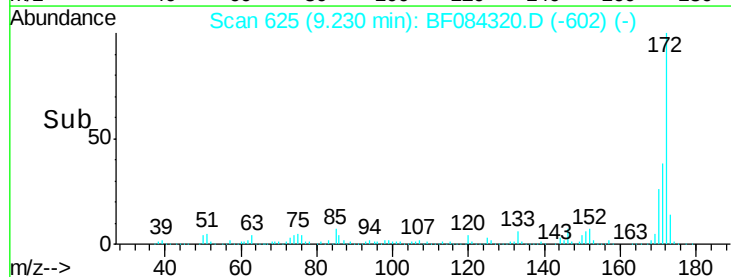
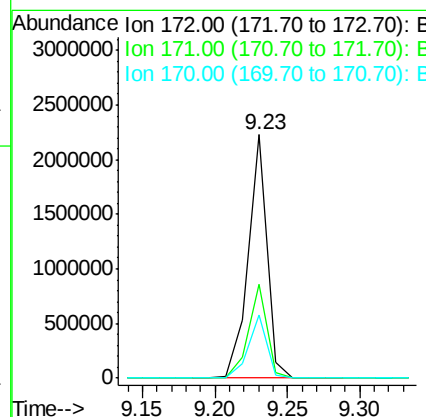
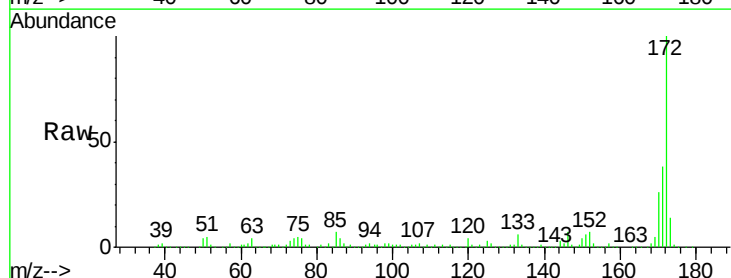
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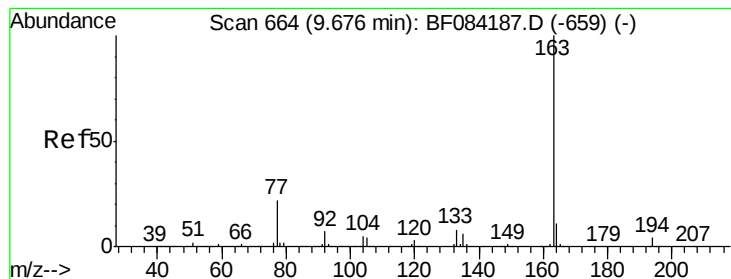
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#44
 2-Fluorobiphenyl
 Concen: 74.44 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF084320.D
 Acq: 8 Jan 2016 1:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	28.9	43.3
170	26.1	18.6	27.8





#49

Dimethylphthalate

Concen: 8.10 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.06 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

Instrument :

BNA_F

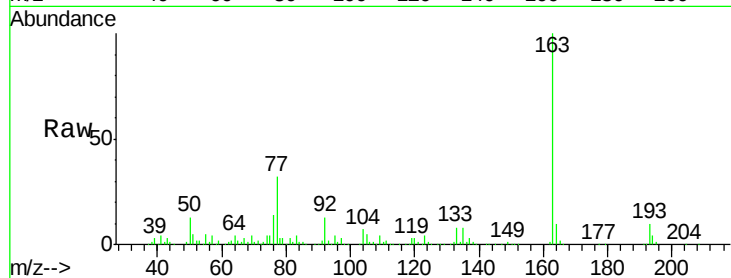
ClientSampleId :

BT003

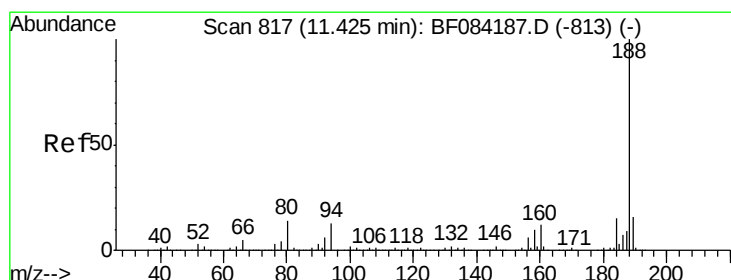
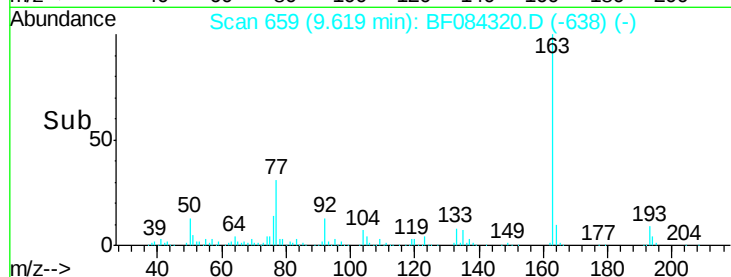
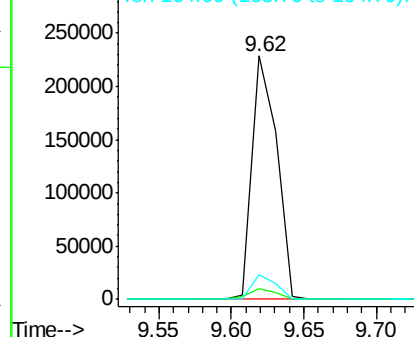
Tot Ion:	163	Resp:	271515
Ion Ratio		Lower	Upper
163	100		
194	4.3	8.0	12.0#
164	10.3	8.0	12.0

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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



#63

Phenanthrene-d10

Concen: 20.00 ng

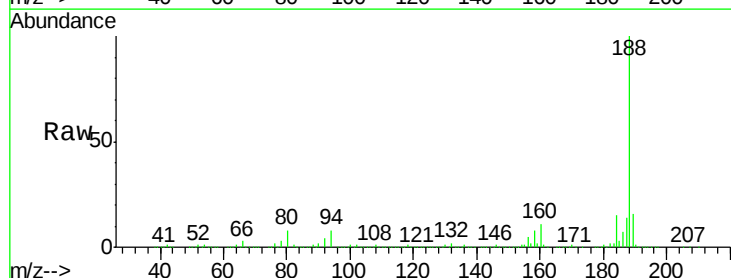
RT: 11.39 min Scan# 814

Delta R.T. -0.03 min

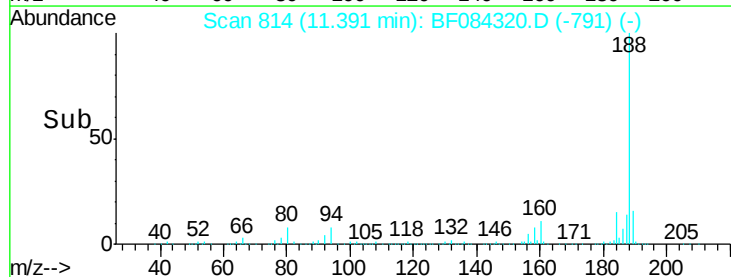
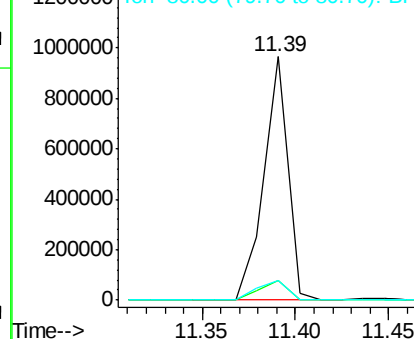
Lab File: BF084320.D

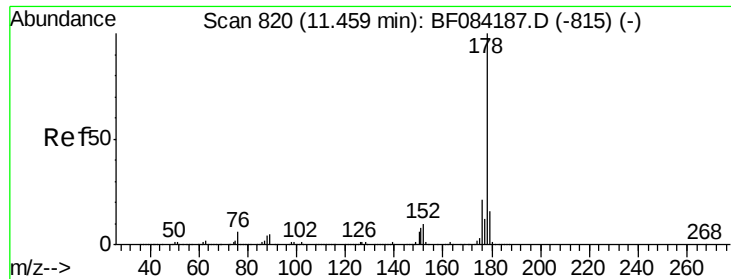
Acq: 8 Jan 2016 1:33

Tgt Ion:	188	Resp:	853306
Ion Ratio		Lower	Upper
188	100		
94	8.1	9.0	13.4#
80	8.3	9.6	14.4#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





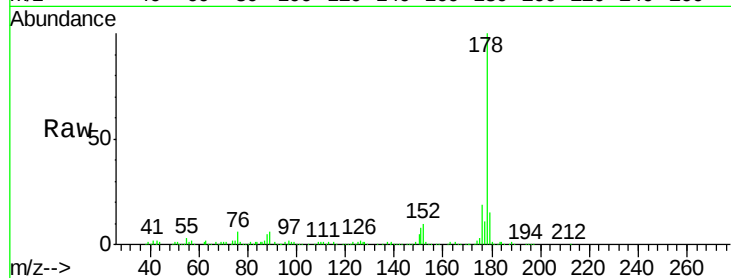
#70
Phenanthrene
Concen: 3.37 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

Instrument :
BNA_F
ClientSampleId :
BT003

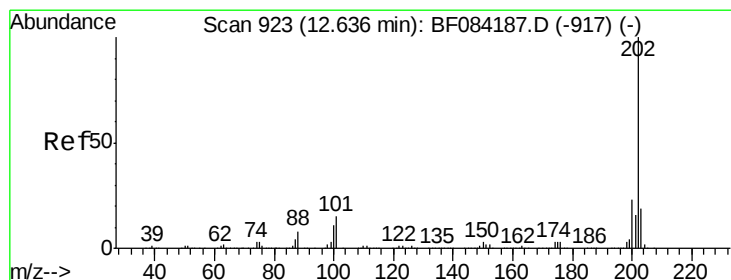
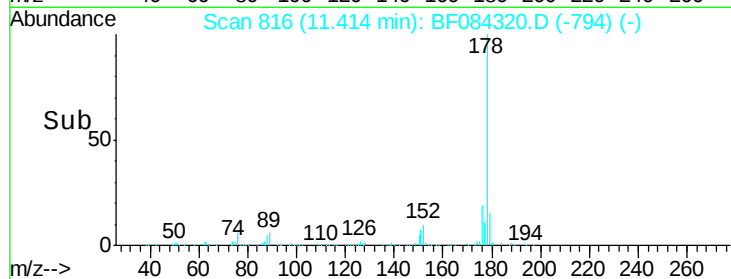
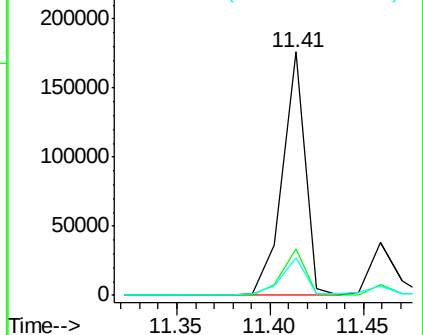
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.4	12.0	18.0

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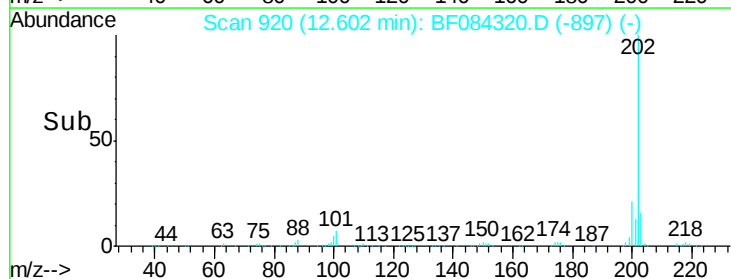
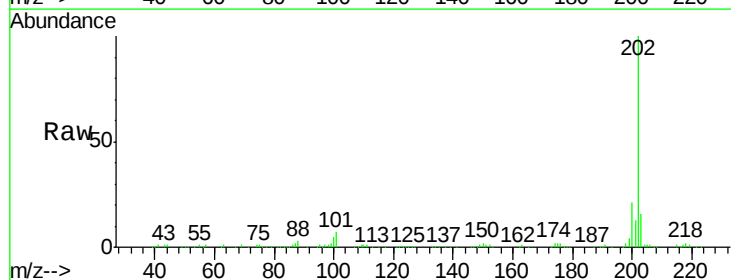
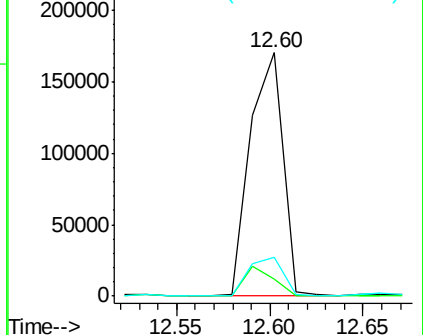
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

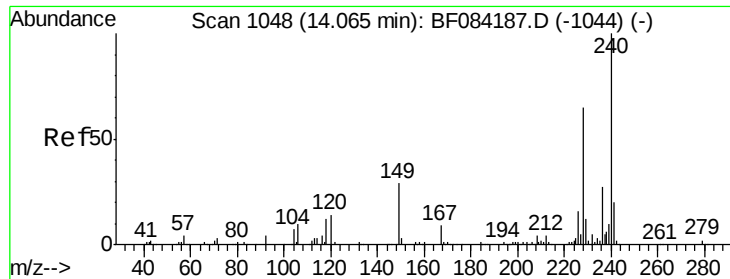


#74
Fluoranthene
Concen: 4.42 ng
RT: 12.60 min Scan# 920
Delta R.T. -0.03 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.2	0.0	32.8
203	15.8	0.0	37.9

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. -0.05 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

Instrument :

BNA_F

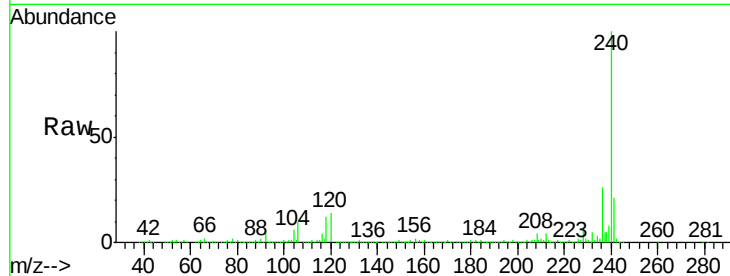
ClientSampleId :

BT003

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.2	9.5	14.3
236	26.1	20.6	31.0

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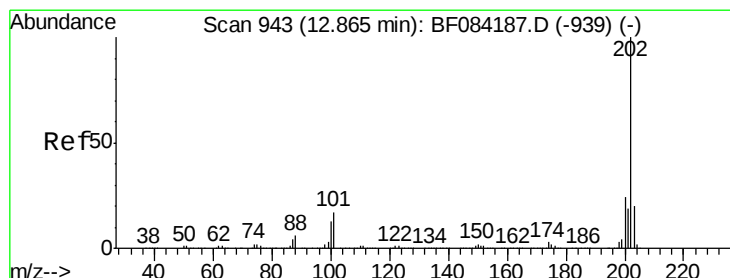
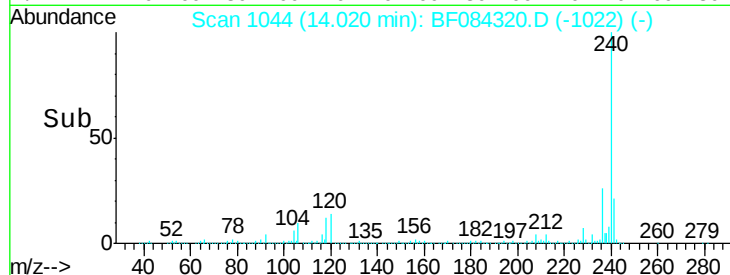
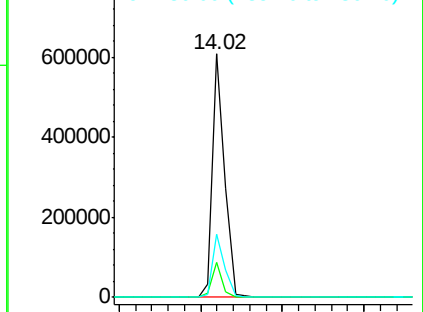
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.16 ng

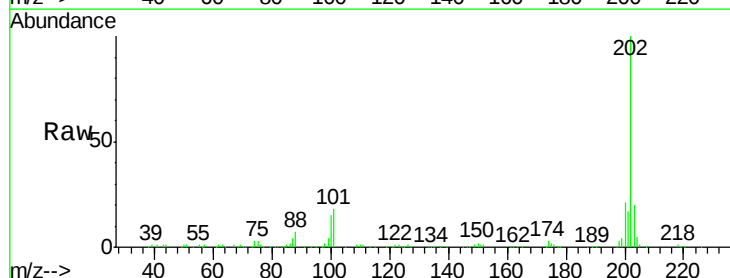
RT: 12.82 min Scan# 939

Delta R.T. -0.05 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

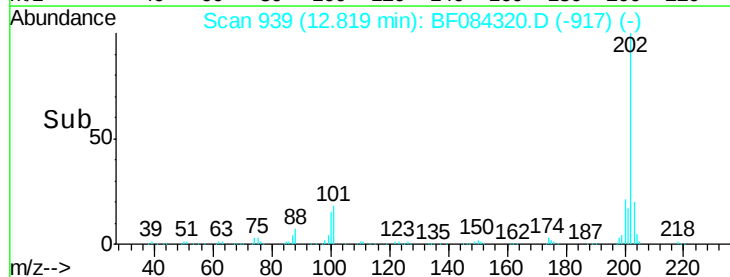
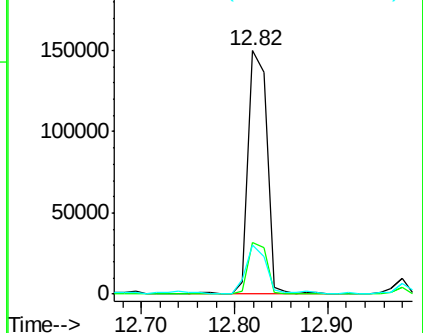
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	20.0	14.3	21.5

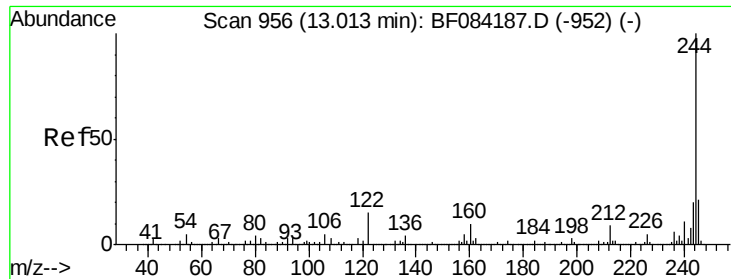


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





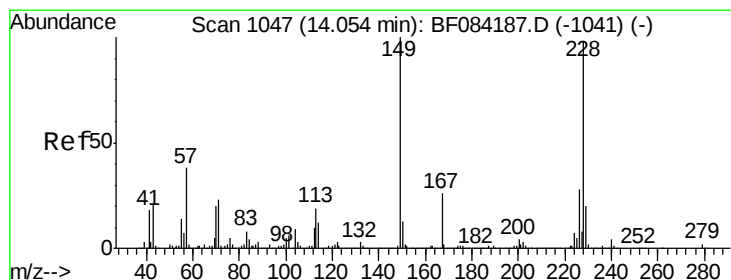
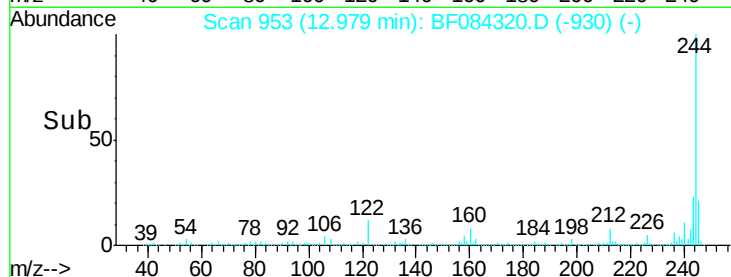
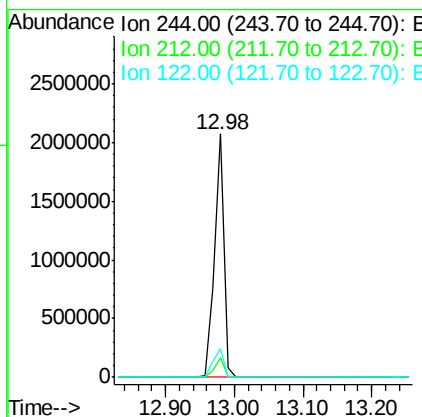
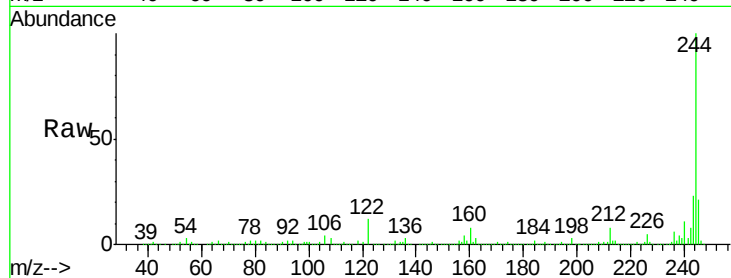
#78
 Terphenyl-d14
 Concen: 69.99 ng
 RT: 12.98 min Scan# 953
 Delta R.T. -0.03 min
 Lab File: BF084320.D
 Acq: 8 Jan 2016 1:33

Instrument :
 BNA_F
 ClientSampled :
 BT003

Tot Ion:244 Resp: 2014896
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.7 8.5
 122 11.5 7.4 11.0#

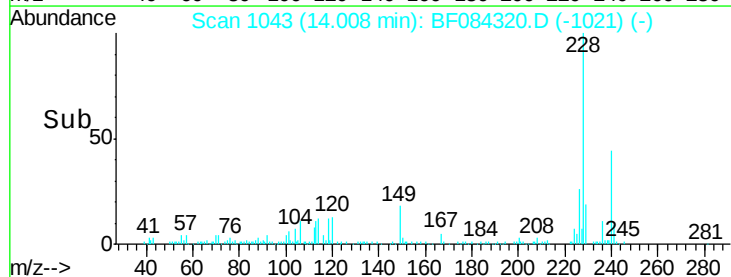
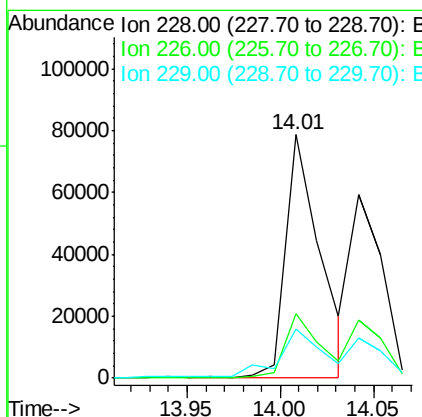
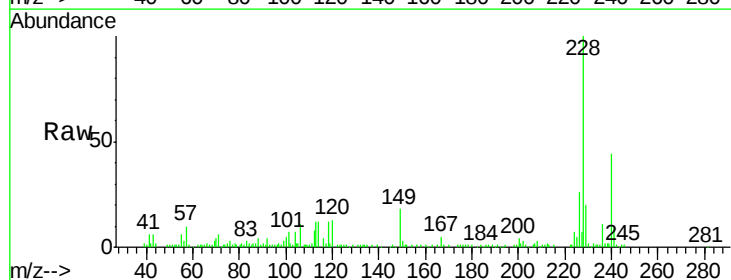
Manual Integrations
 APPROVED

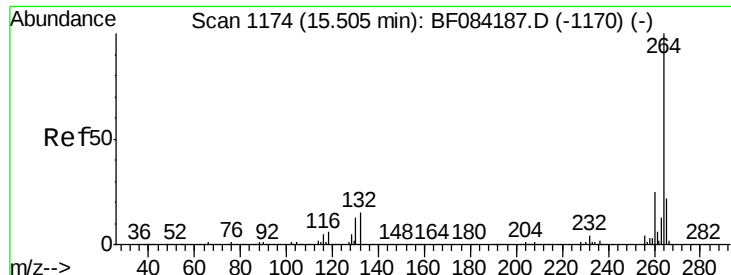
UMANGI
 1/8/2016 10:43:05 AM



#80
 Benzo(a)anthracene
 Concen: 2.71 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.05 min
 Lab File: BF084320.D
 Acq: 8 Jan 2016 1:33

Tgt Ion:228 Resp: 102285
 Ion Ratio Lower Upper
 228 100
 226 26.2 21.8 32.6
 229 20.3 15.8 23.8





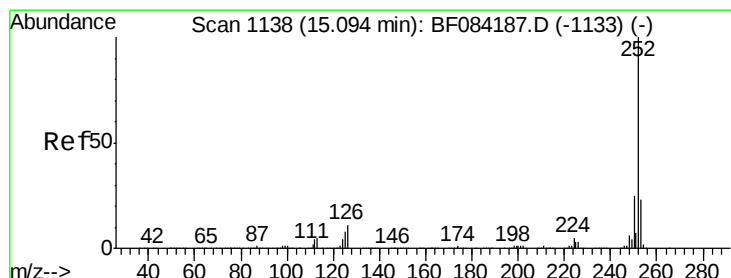
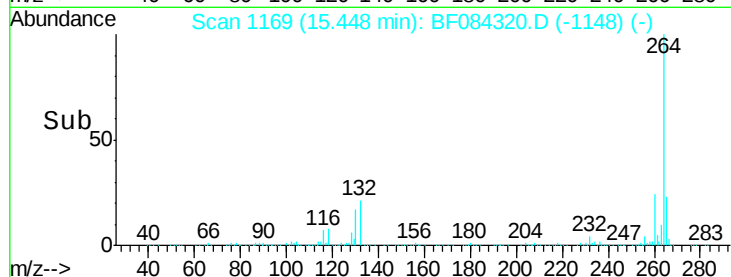
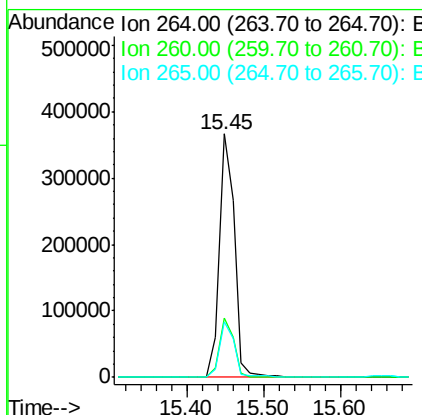
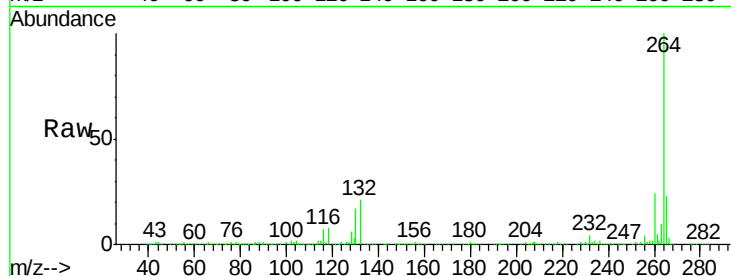
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

Instrument :
BNA_F
ClientSampled :
BT003

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.2	19.4	29.2	
265	22.6	17.8	26.6	

Manual Integrations
APPROVED

UMANGI
1/8/2016 10:43:05 AM



#87
Benzo(b)fluoranthene
Concen: 2.53 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.06 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	25.4	17.3	25.9	
125	13.0	6.5	9.7	

