

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
 Data File : BF085251.D
 Acq On : 5 Mar 2016 13:43
 Operator : SJ/IZ
 Sample : H1675-05DL 25X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-003(0-2)DL

Manual Integrations
 APPROVED

UMANGI
 3/7/2016 9:33:50 AM

Quant Time: Mar 07 02:29:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	109720	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	410787	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	171061	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	274136	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	203355	20.00	ng	-0.02
86) Perylene-d12	15.60	264	186119	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	34841	5.33	ng	-0.01
7) Phenol-d6	6.58	99	49682	5.80	ng	-0.02
23) Nitrobenzene-d5	7.52	82	26349	3.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	4031	2.75	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	60374	5.37	ng	-0.02
78) Terphenyl-d14	13.08	244	35832	4.09	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.52	178	36542	2.54	ng	97
74) Fluoranthene	12.71	202	74948	5.20	ng	95
77) Pyrene	12.94	202	66527	4.35	ng	96
80) Benzo(a)anthracene	14.12	228	39853	3.27	ng	99
82) Chrysene	14.15	228	31693m	2.82	ng	
87) Benzo(b)fluoranthene	15.17	252	50755m	4.09	ng	
89) Benzo(a)pyrene	15.53	252	23888	2.32	ng	# 86

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

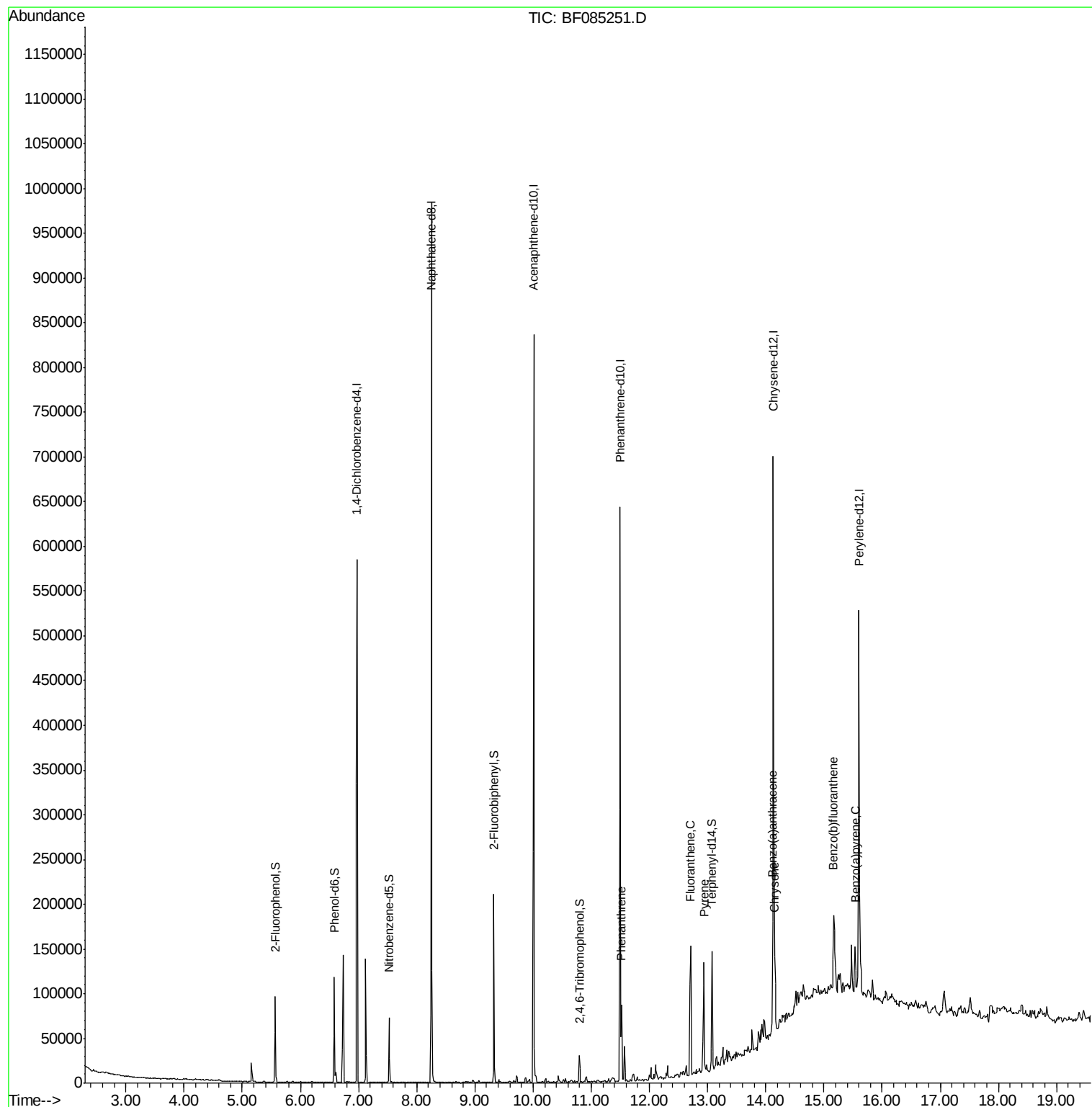
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085251.D
Acq On : 5 Mar 2016 13:43
Operator : SJ/IZ
Sample : H1675-05DL 25X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)DL

Manual Integrations
APPROVED

UMANGI
3/7/2016 9:33:50 AM

Quant Time: Mar 07 02:29:21 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration





#1

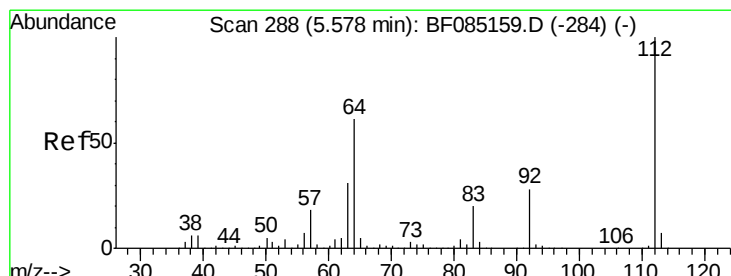
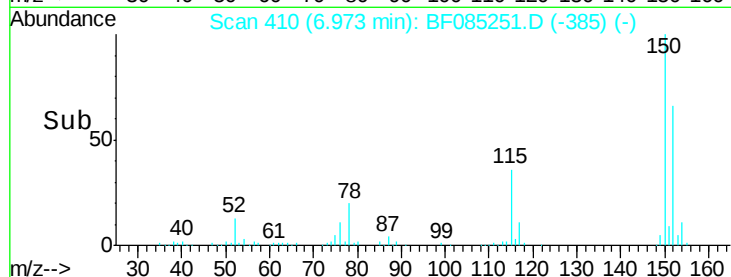
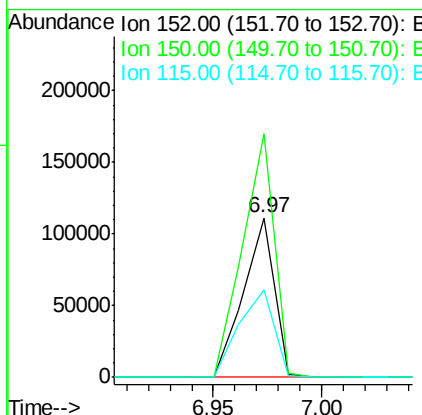
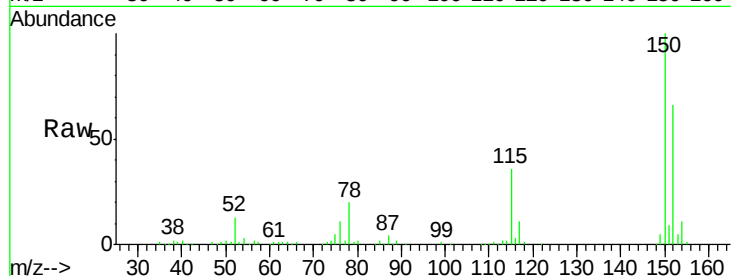
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	55.0	46.6	70.0

Manual Integrations
APPROVED

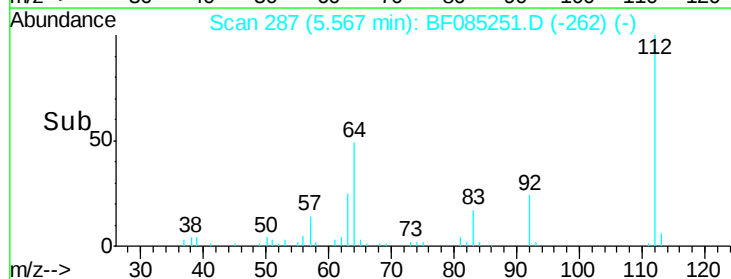
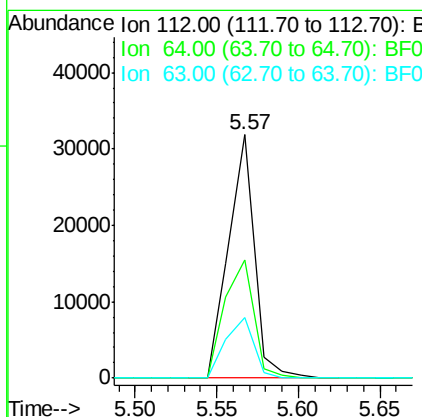
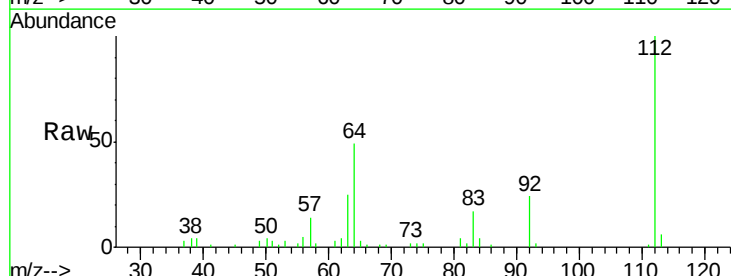
UMANGI
3/7/2016 9:33:50 AM

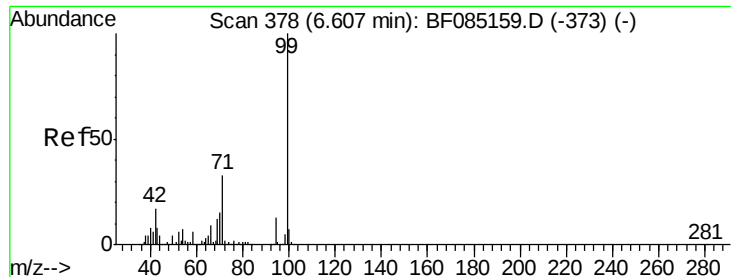


#5

2-Fluorophenol
Concen: 5.33 ng
RT: 5.57 min Scan# 287
Delta R.T. -0.01 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.6	49.0	73.4#
63	24.9	24.8	37.2





#7

Phenol-d6

Concen: 5.80 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085251.D

Acq: 5 Mar 2016 13:43

Instrument :

BNA_F

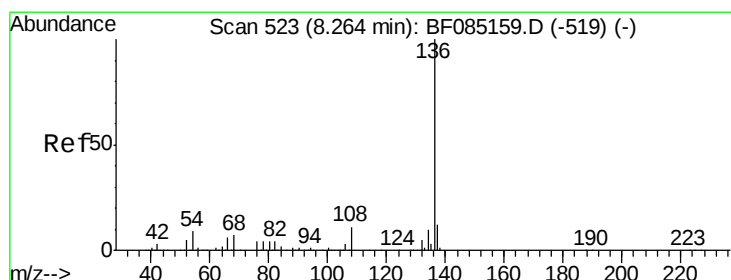
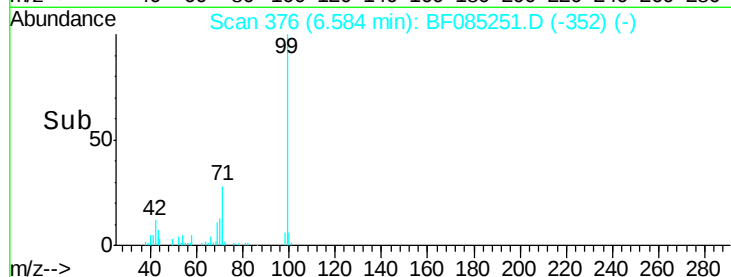
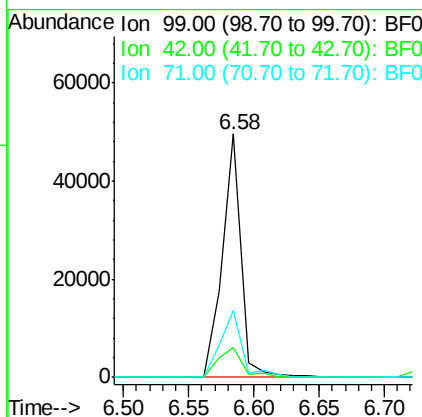
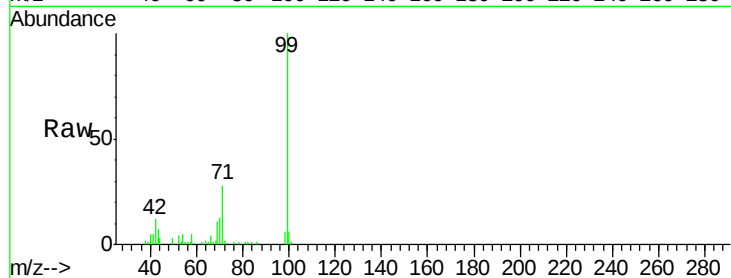
ClientSampleId :

SP-003(0-2)DL

Tot Ion:	99	Resp:	49682
Ion Ratio	Lower	Upper	
99	100		
42	12.4	13.6	20.4#
71	27.7	26.7	40.1

Manual Integrations
APPROVED

UMANGI
3/7/2016 9:33:50 AM



#21

Naphthalene-d8

Concen: 20.00 ng

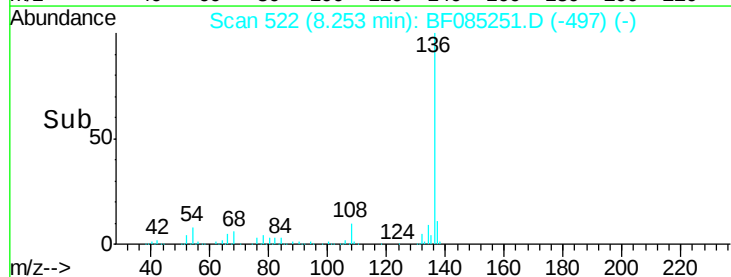
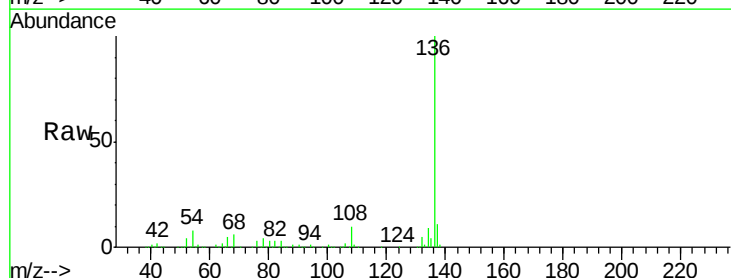
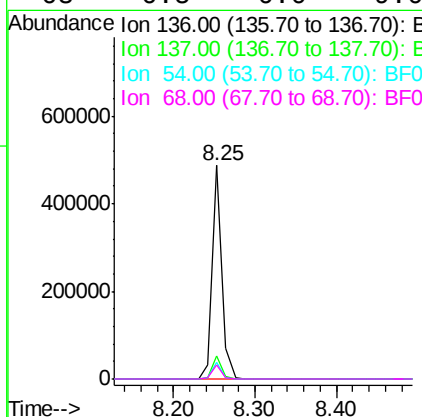
RT: 8.25 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085251.D

Acq: 5 Mar 2016 13:43

Tgt Ion:	136	Resp:	410787
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.3	13.9
54	8.0	7.4	11.2
68	6.5	6.0	9.0





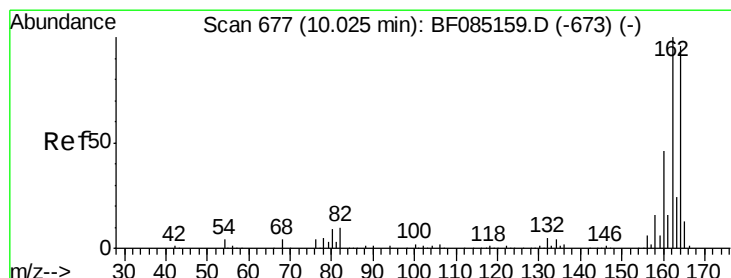
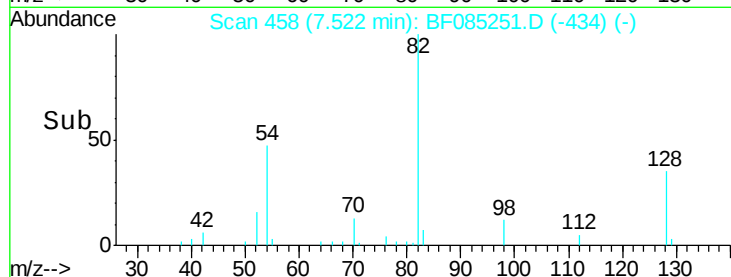
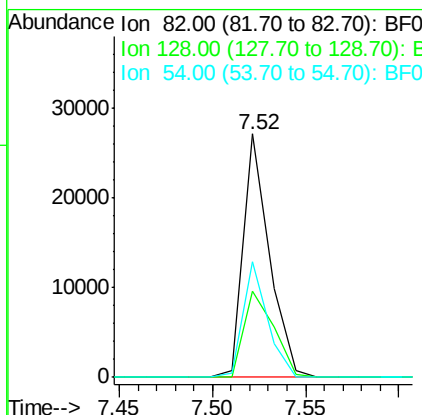
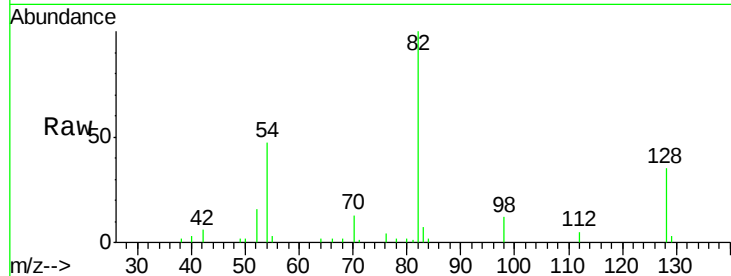
#23
 Nitrobenzene-d5
 Concen: 3.43 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF085251.D
 Acq: 5 Mar 2016 13:43

Instrument :
 BNA_F
 ClientSampleId :
 SP-003(0-2)DL

Tot Ion:	82	Resp:	26349
Ion Ratio	Lower	Upper	
82	100		
128	35.2	34.5	51.7
54	47.5	39.3	58.9

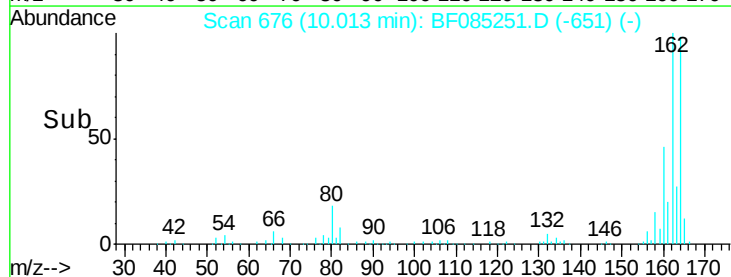
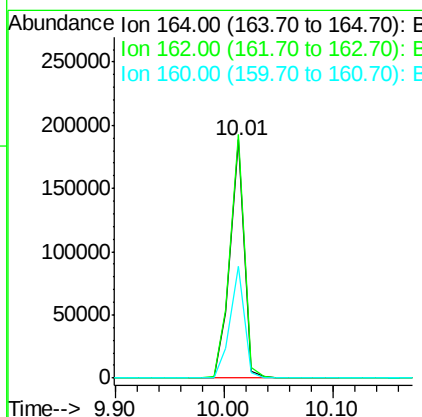
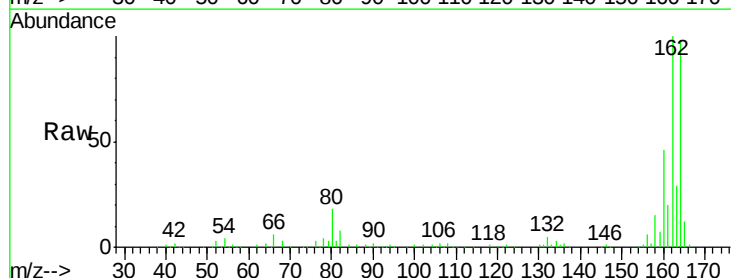
Manual Integrations
 APPROVED

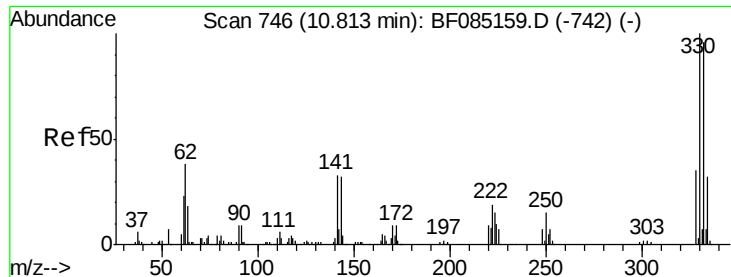
UMANGI
 3/7/2016 9:33:50 AM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF085251.D
 Acq: 5 Mar 2016 13:43

Tgt Ion:	164	Resp:	171061
Ion Ratio	Lower	Upper	
164	100		
162	102.3	83.3	124.9
160	46.8	37.9	56.9





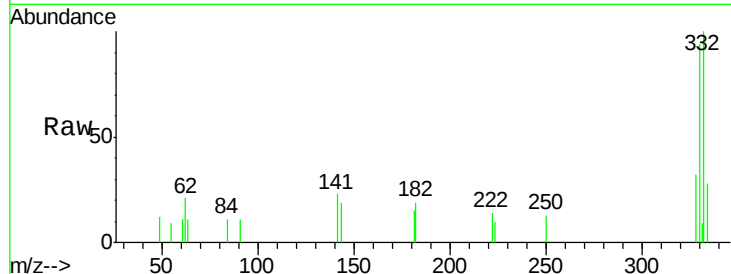
#41
 2,4,6-Tribromophenol
 Concen: 2.75 ng
 RT: 10.80 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF085251.D
 Acq: 5 Mar 2016 13:43

Instrument :
 BNA_F
 ClientSampleId :
 SP-003(0-2)DL

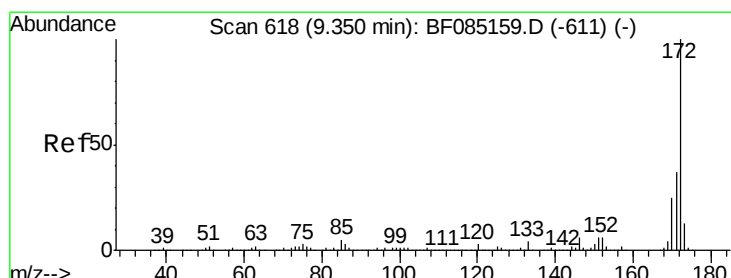
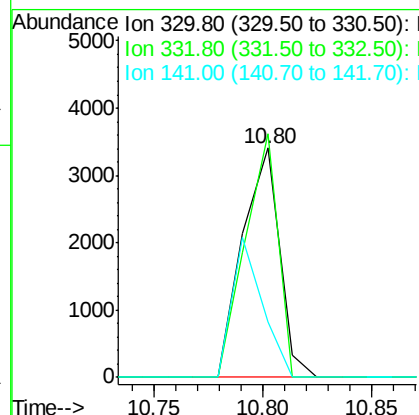
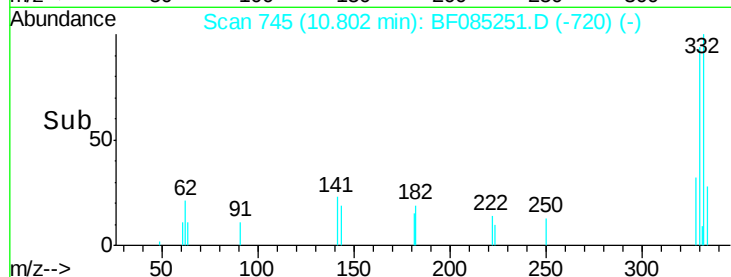
Tot Ion	Ratio	Lower	Upper
330	100		
332	92.9	77.1	115.7
141	49.2	35.0	52.6

Manual Integrations
 APPROVED

UMANGI
 3/7/2016 9:33:50 AM

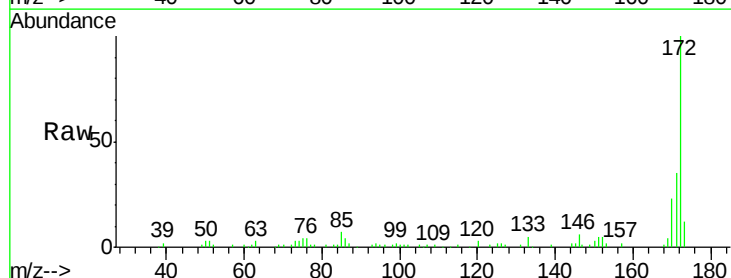


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

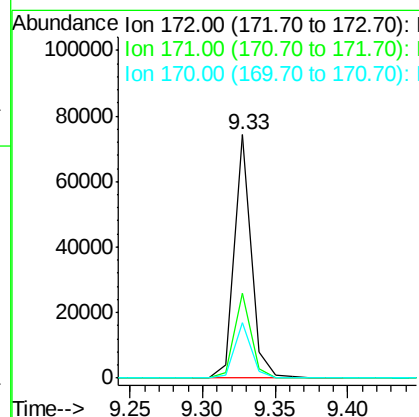
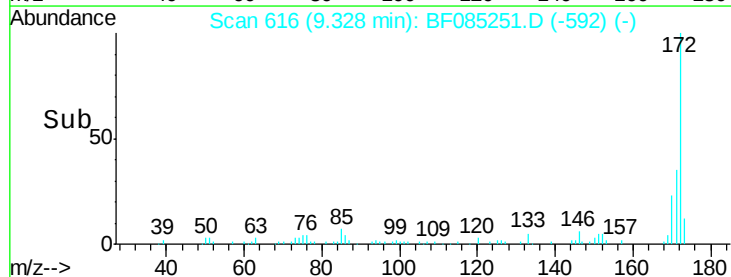


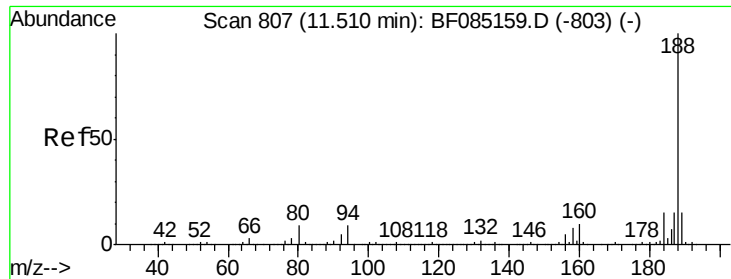
#44
 2-Fluorobiphenyl
 Concen: 5.37 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085251.D
 Acq: 5 Mar 2016 13:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.3	43.9
170	23.0	20.0	30.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





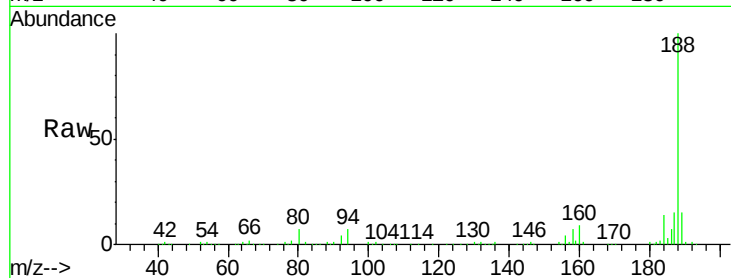
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	274136		
94	7.3		7.0	10.6
80	7.2		7.4	11.0

Manual Integrations
APPROVED

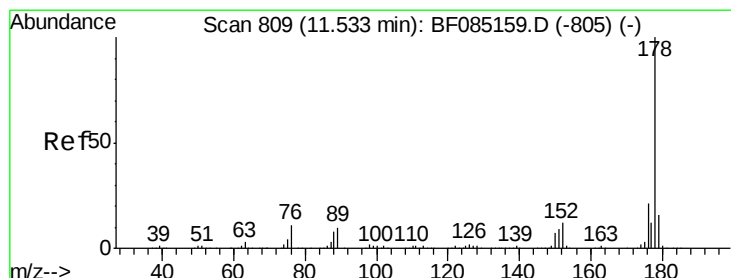
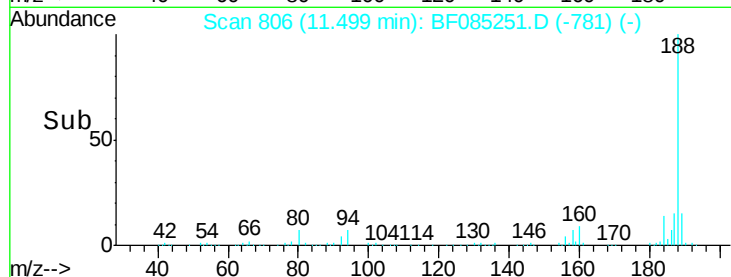
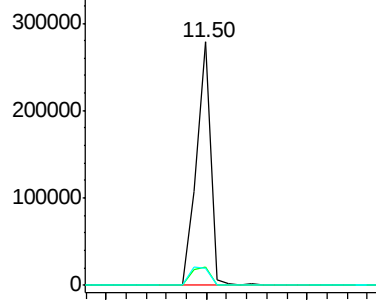
UMANGI
3/7/2016 9:33:50 AM



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



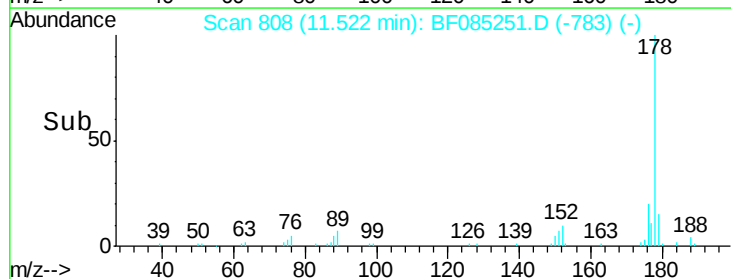
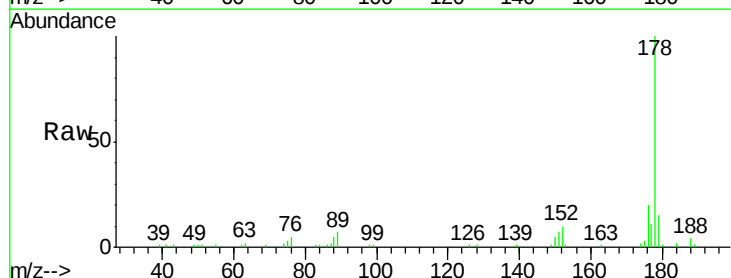
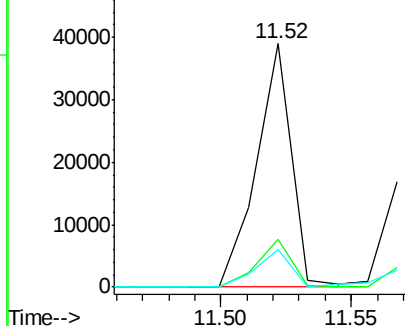
#70
Phenanthrene
Concen: 2.54 ng
RT: 11.52 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

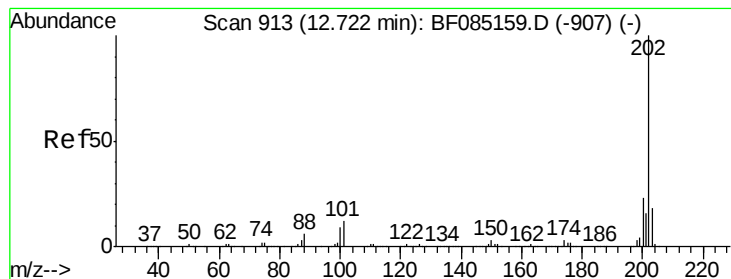
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	36542		
176	19.5		16.8	25.2
179	15.5		13.1	19.7

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





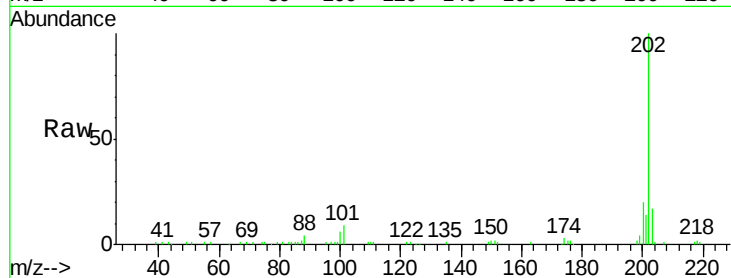
#74
Fluoranthene
Concen: 5.20 ng
RT: 12.71 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)DL

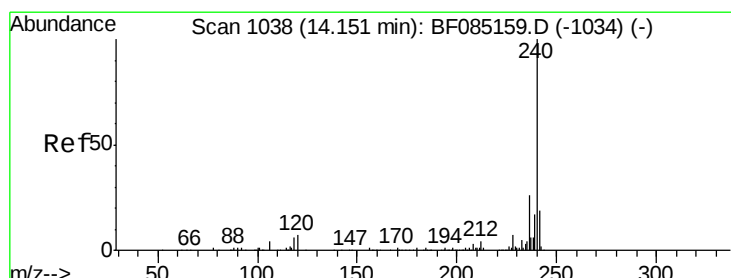
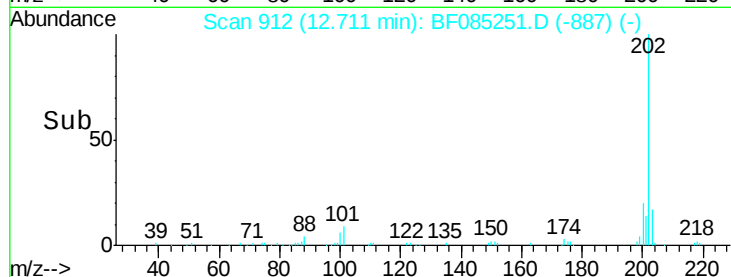
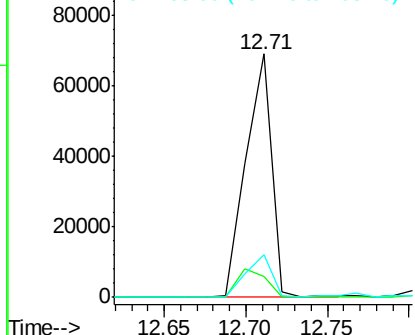
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.7	0.0	31.8
203	17.3	0.0	38.4

Manual Integrations
APPROVED

UMANGI
3/7/2016 9:33:50 AM

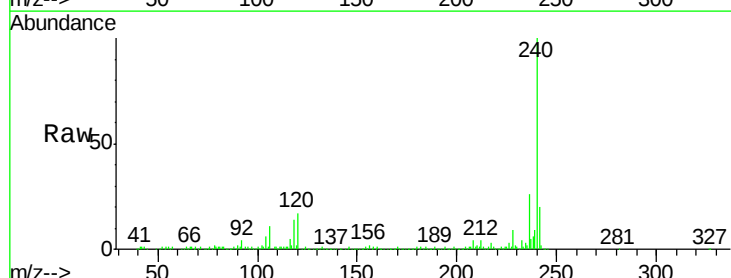


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

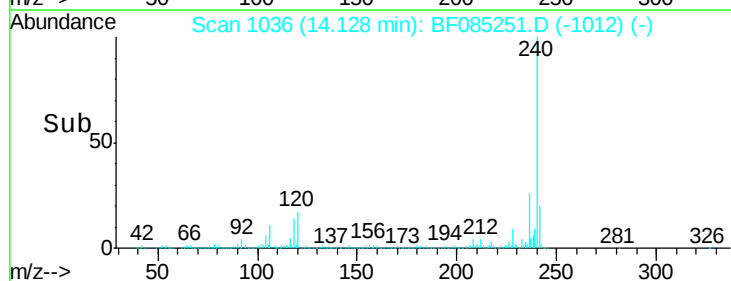
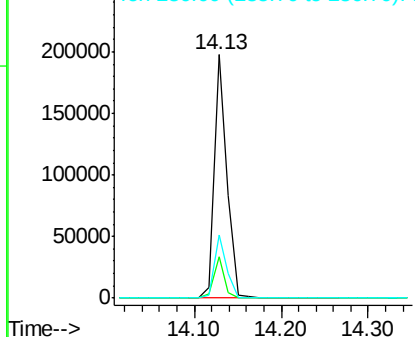


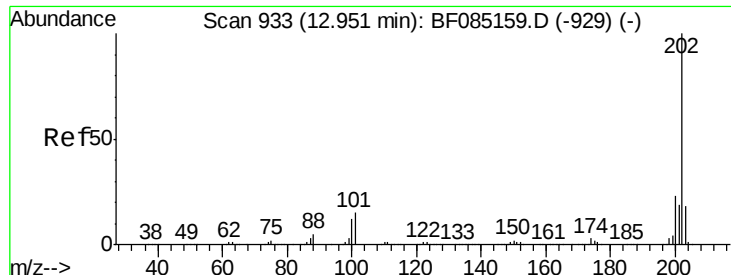
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 1036
Delta R.T. -0.02 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.9	5.3	7.9#
236	25.9	20.7	31.1



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





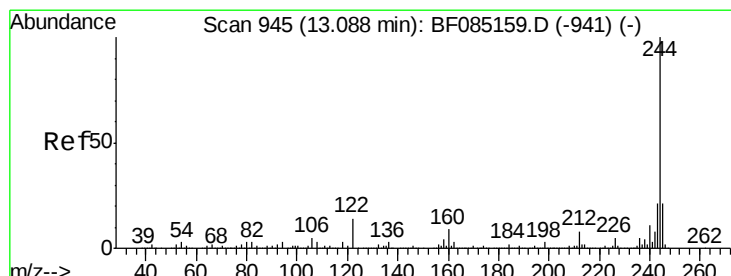
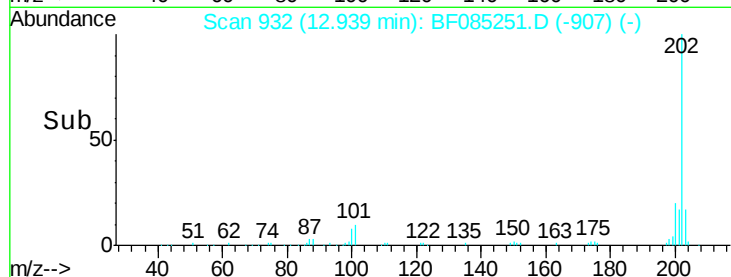
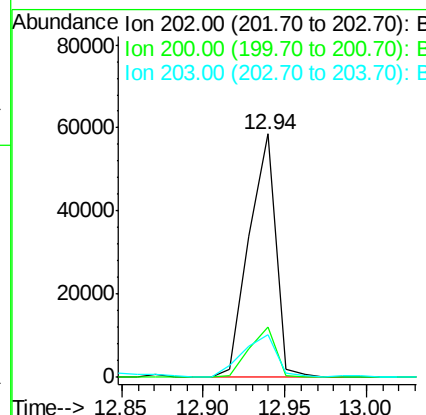
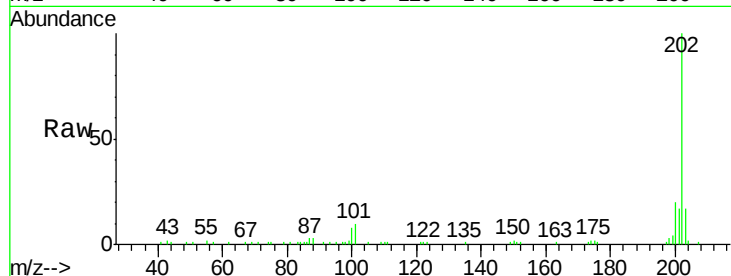
#77
Pvrene
Concen: 4.35 ng
RT: 12.94 min Scan# 932
Delta R.T. -0.01 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	18.2	27.4
203	17.4	14.7	22.1

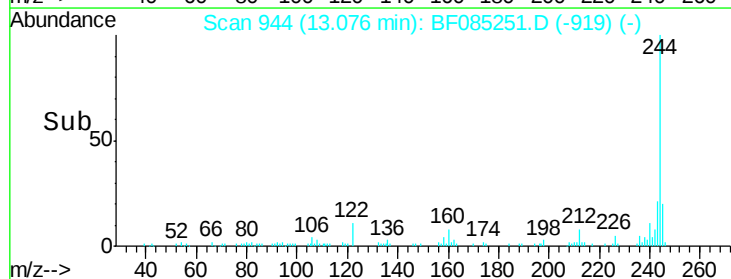
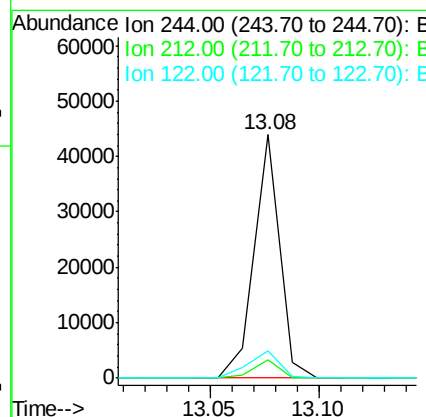
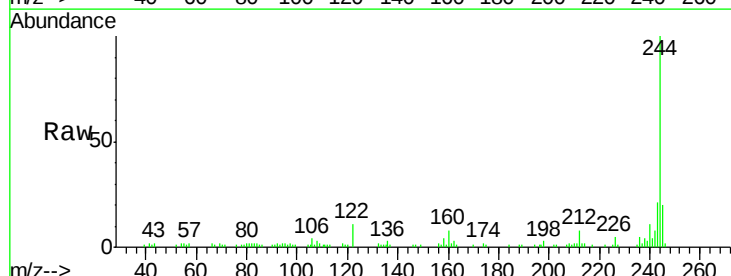
Manual Integrations
APPROVED

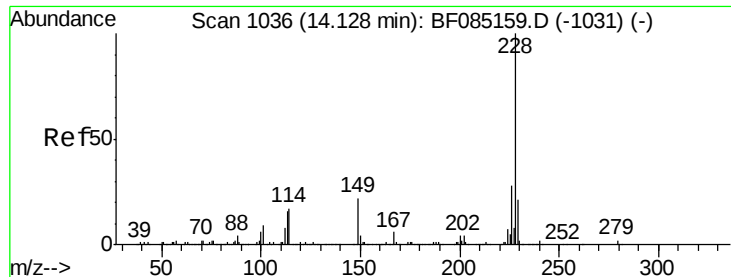
UMANGI
3/7/2016 9:33:50 AM



#78
Terphenyl-d14
Concen: 4.09 ng
RT: 13.08 min Scan# 944
Delta R.T. -0.01 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.6	6.4	9.6
122	11.3	11.4	17.2#





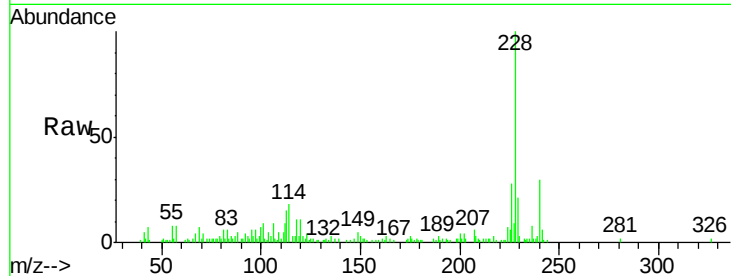
#80
Benzo(a)anthracene
Concen: 3.27 ng
RT: 14.12 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)DL

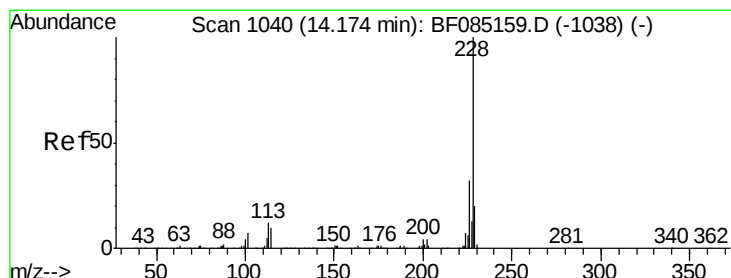
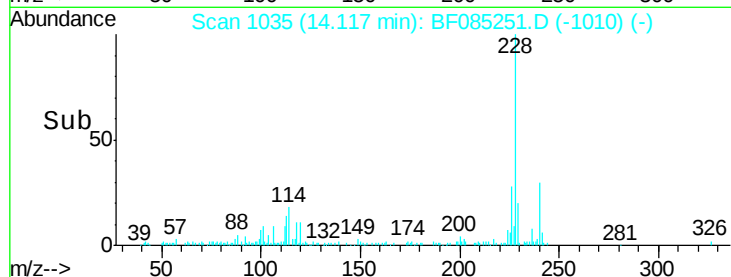
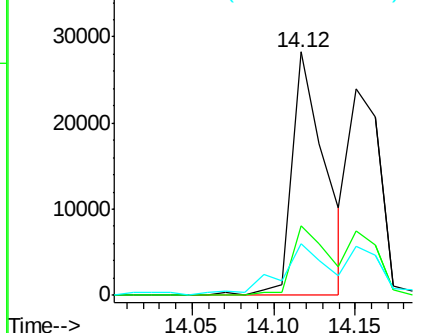
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.8	34.2
229	21.4	16.6	24.8

Manual Integrations
APPROVED

UMANGI
3/7/2016 9:33:50 AM



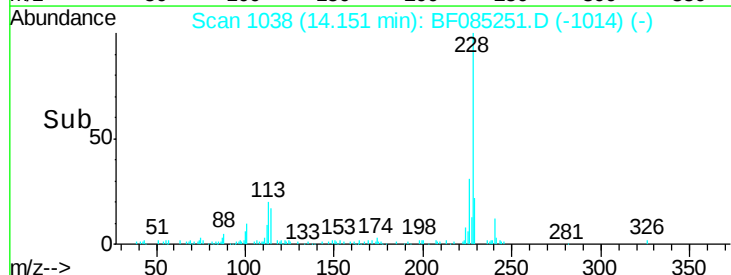
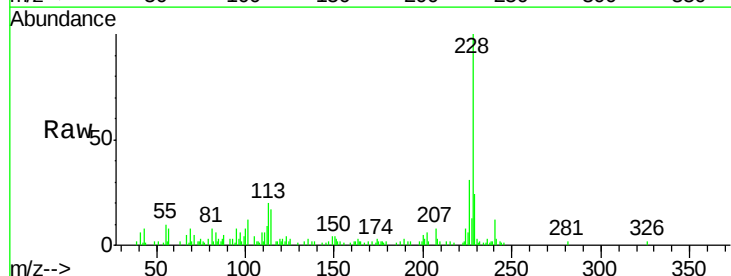
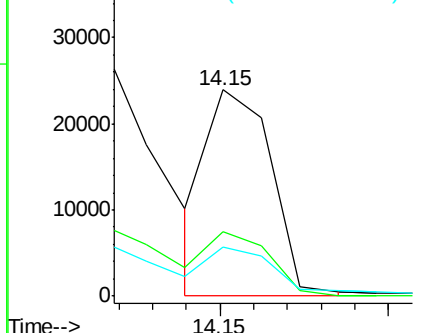
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

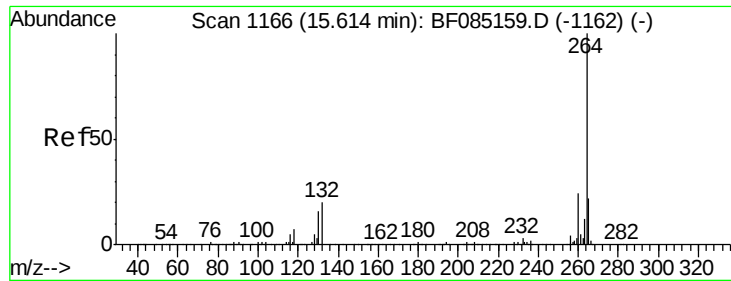


#82
Chrysene
Concen: 2.82 ng m
RT: 14.15 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.2	37.8
229	23.7	16.0	24.0

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





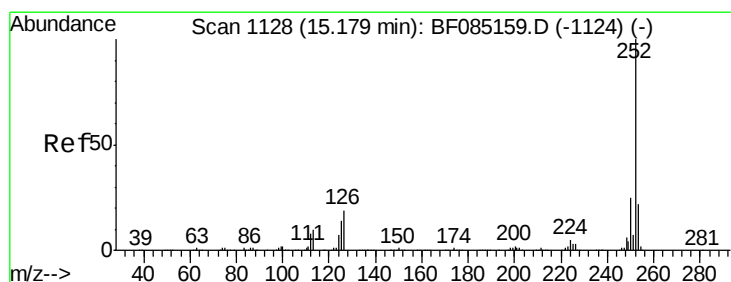
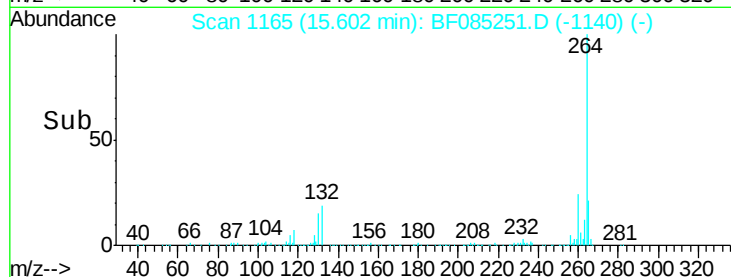
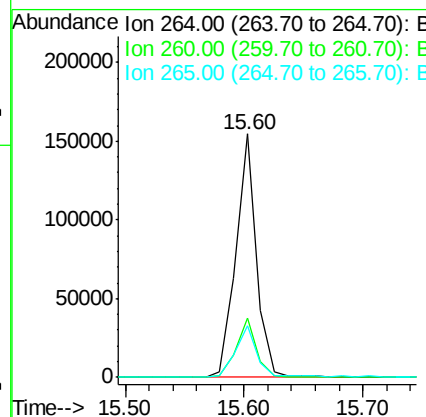
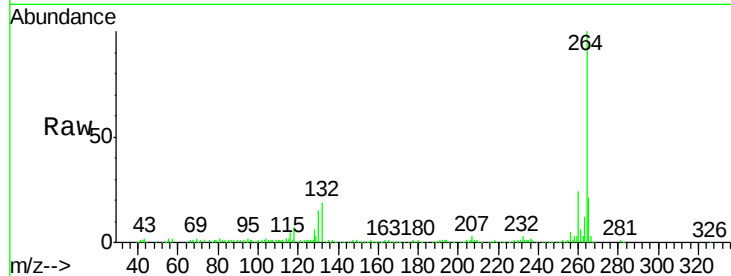
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.60 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.4	17.3	25.9

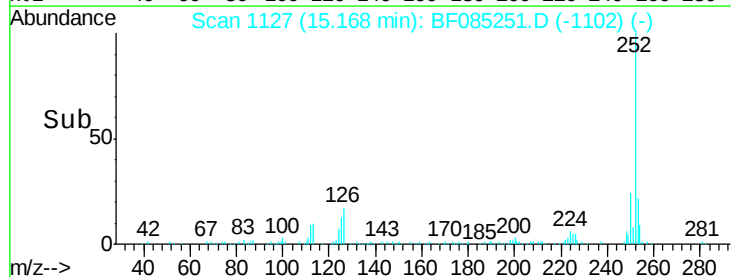
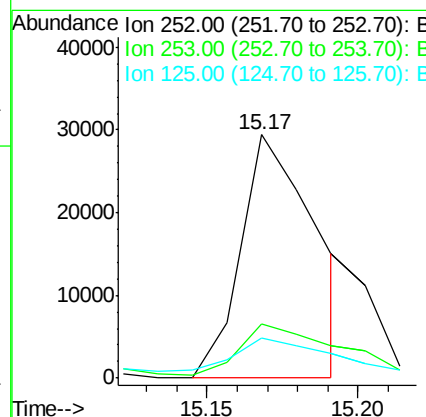
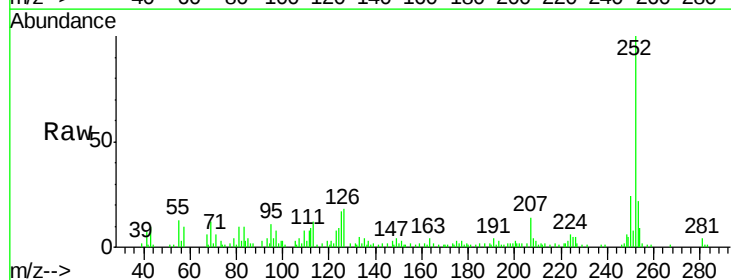
Manual Integrations
APPROVED

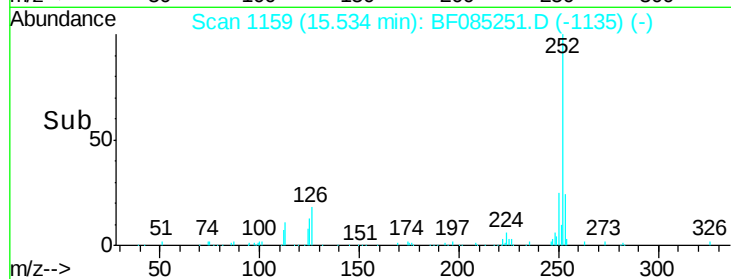
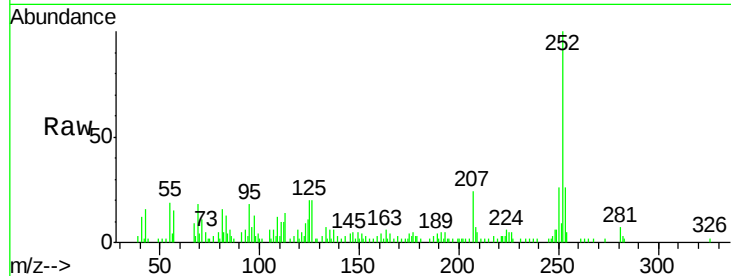
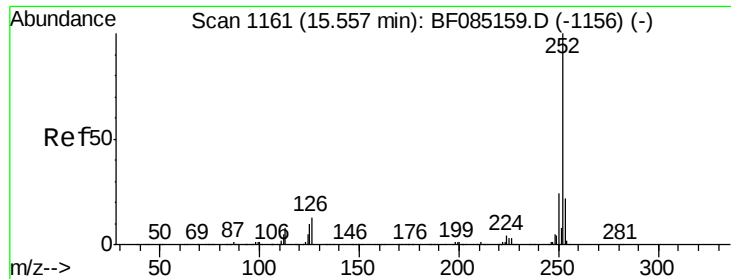
UMANGI
3/7/2016 9:33:50 AM



#87
Benzo(b)fluoranthene
Concen: 4.09 ng m
RT: 15.17 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF085251.D
Acq: 5 Mar 2016 13:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	16.5	11.3	16.9





#89

Benzo(a)pyrene

Concen: 2.32 ng

RT: 15.53 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BF085251.D

Acq: 5 Mar 2016 13:43

Instrument :

BNA_F

ClientSampleId :

SP-003(0-2)DL

Tot Ion:	252	Resp:	23888
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.4	26.0
125	19.6	8.2	12.4#

Manual Integrations
APPROVED

UMANGI
3/7/2016 9:33:50 AM

