

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
 Data File : BF083294.D
 Acq On : 26 Nov 2015 1:15
 Operator : UM/IZ
 Sample : G4564-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1511173891

Manual Integrations
 APPROVED

mmdadoda
 11/26/2015 6:43:47 PM

Quant Time: Nov 26 03:20:10 2015
 Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	142328m	20.00	ng	-0.08
21) Naphthalene-d8	7.87	136	495260	20.00	ng	-0.08
38) Acenaphthene-d10	9.62	164	215409	20.00	ng	-0.08
63) Phenanthrene-d10	11.10	188	381795	20.00	ng	-0.08
75) Chrysene-d12	13.73	240	419339	20.00	ng	-0.08
86) Perylene-d12	15.07	264	306176	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	49719	5.28	ng	-0.09
7) Phenol-d6	6.26	99	76985m	6.32	ng	-0.08
23) Nitrobenzene-d5	7.15	82	51220	4.73	ng	-0.08
41) 2,4,6-Tribromophenol	10.41	330	11015	5.00	ng	-0.08
44) 2-Fluorobiphenyl	8.96	172	65163	4.22	ng	-0.07
78) Terphenyl-d14	12.67	244	66058	3.71	ng	-0.09

Target Compounds Qvalue

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

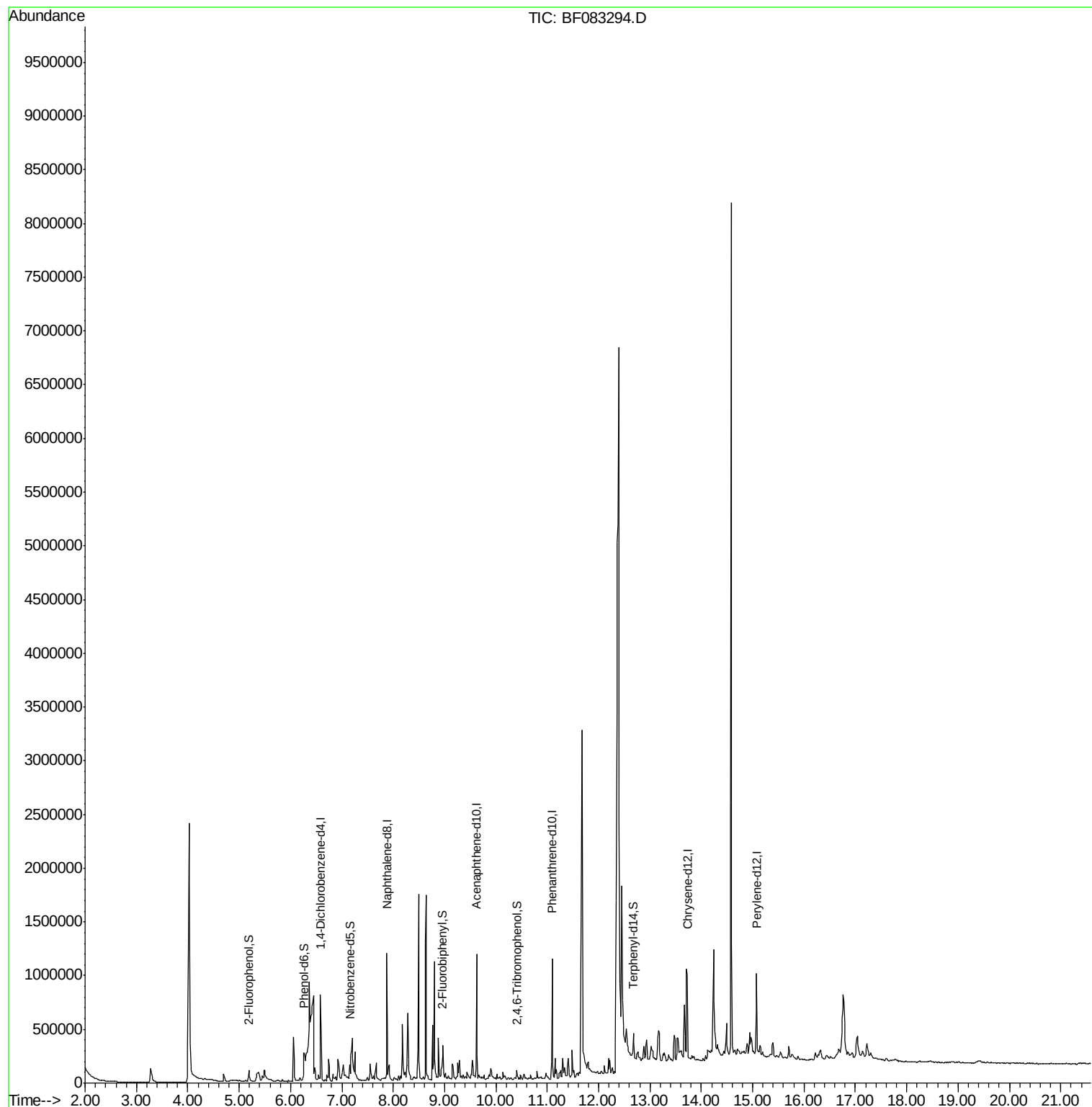
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083294.D
Acq On : 26 Nov 2015 1:15
Operator : UM/IZ
Sample : G4564-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

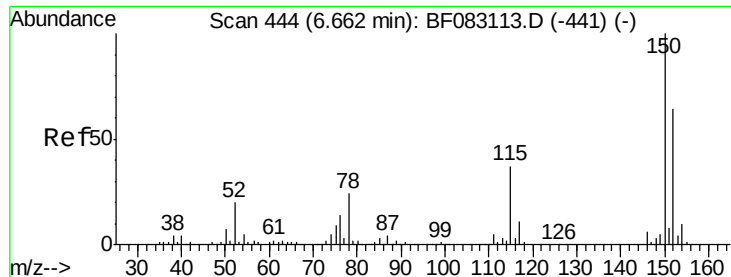
Instrument :
BNA_F
ClientSampleId :
1511173891

Manual Integrations
APPROVED

mmdadoda
11/26/2015 6:43:47 PM

Quant Time: Nov 26 03:20:10 2015
Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

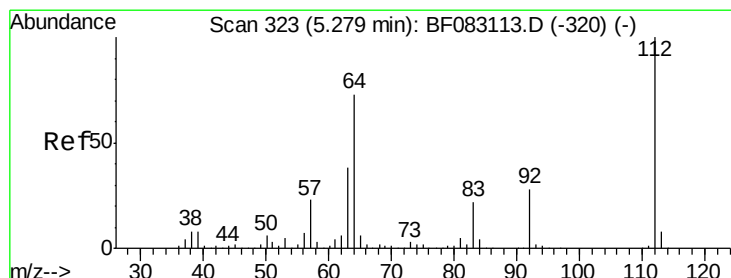
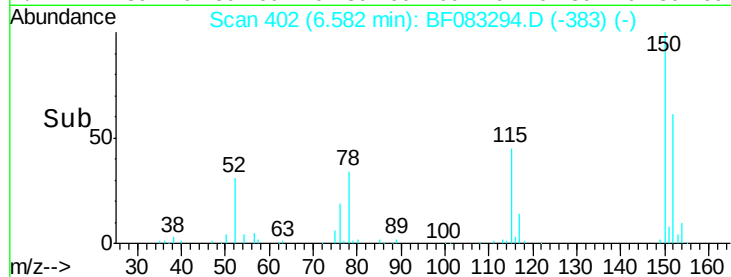
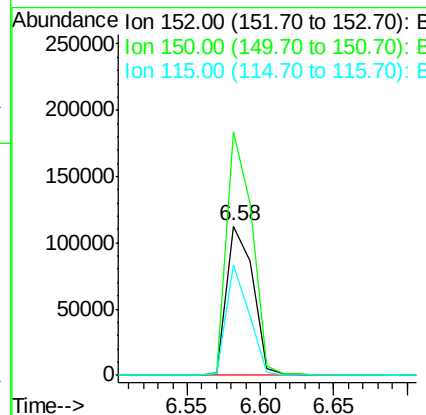
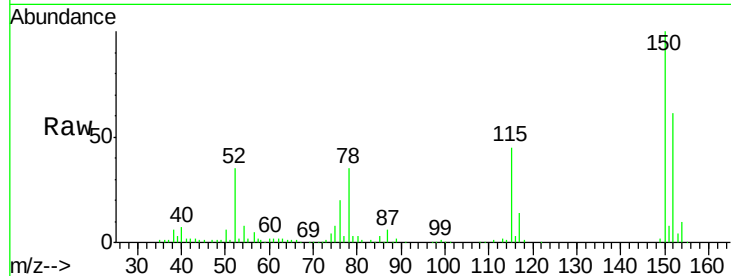
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.58 min Scan# 402
Delta R.T. -0.08 min
Lab File: BF083294.D
Acq: 26 Nov 2015 1:15

Instrument :
BNA_F
ClientSampleId :
1511173891

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
150	162.9	142328	125.8	188.8
115	73.9		46.9	70.3

Manual Integrations
APPROVED

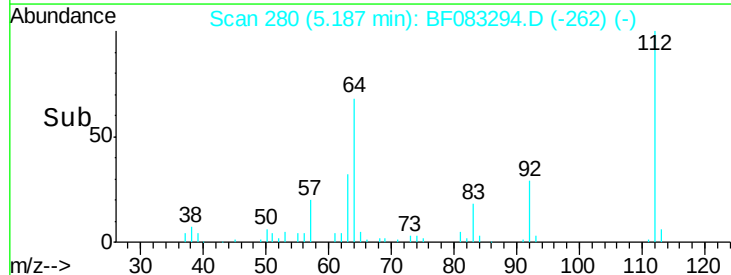
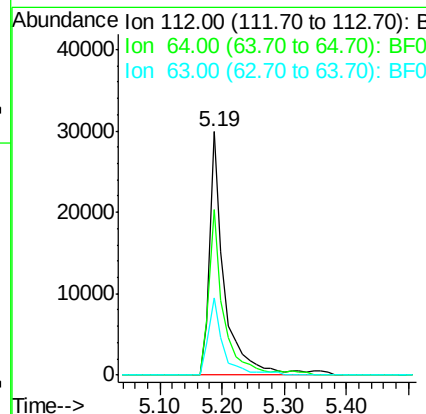
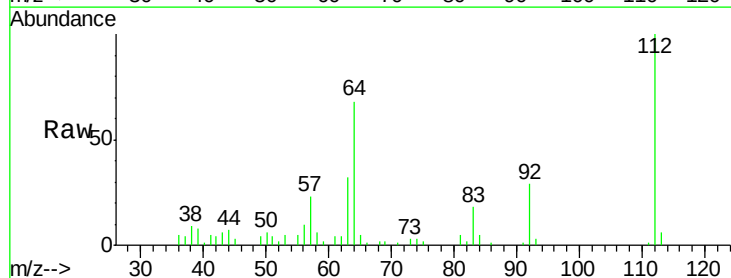
mmdadoda
11/26/2015 6:43:47 PM

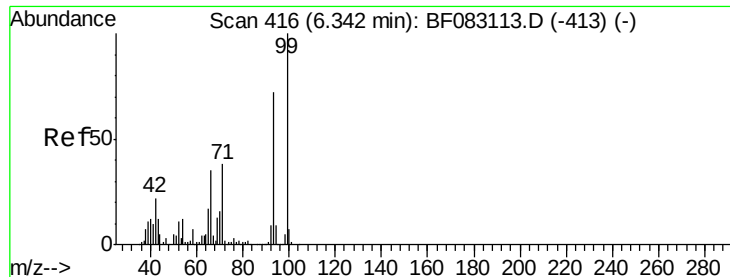


#5

2-Fluorophenol
Concen: 5.28 ng
RT: 5.19 min Scan# 280
Delta R.T. -0.09 min
Lab File: BF083294.D
Acq: 26 Nov 2015 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	49719		
64	67.8		58.4	87.6
63	31.7		30.0	45.0





#7

Phenol-d6

Concen: 6.32 ng/ml

RT: 6.26 min Scan# 374

Delta R.T. -0.08 min

Lab File: BF083294.D

Acq: 26 Nov 2015 1:15

Instrument :

BNA_F

ClientSampleId :

1511173891

Tot Ion: 99 Resp: 76985

Ion Ratio Lower Upper

99 100

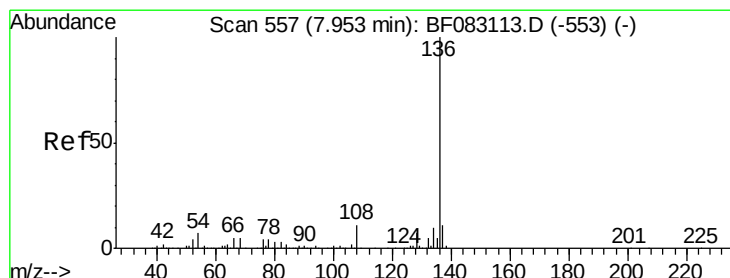
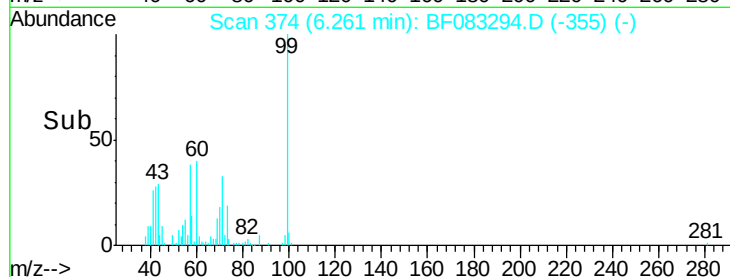
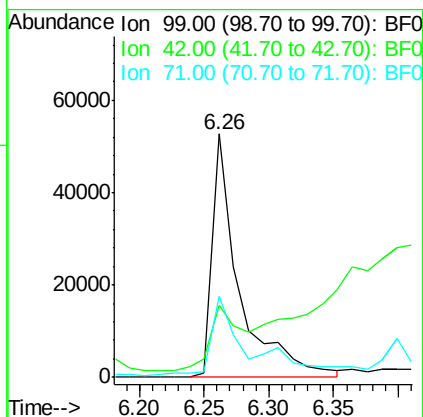
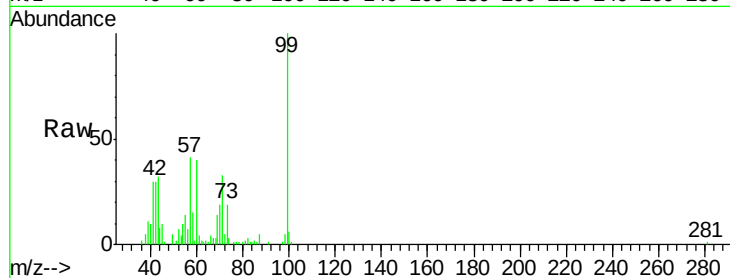
42 29.6 17.7 26.5#

71 33.4 30.2 45.4

Manual Integrations
APPROVED

mmdadoda

11/26/2015 6:43:47 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.87 min Scan# 515

Delta R.T. -0.08 min

Lab File: BF083294.D

Acq: 26 Nov 2015 1:15

Tgt Ion: 136 Resp: 495260

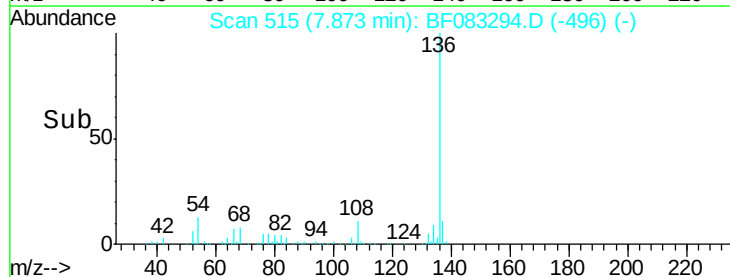
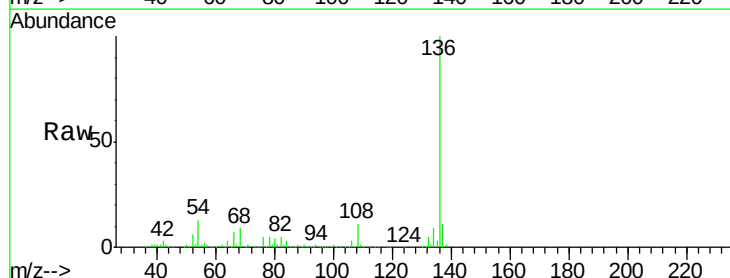
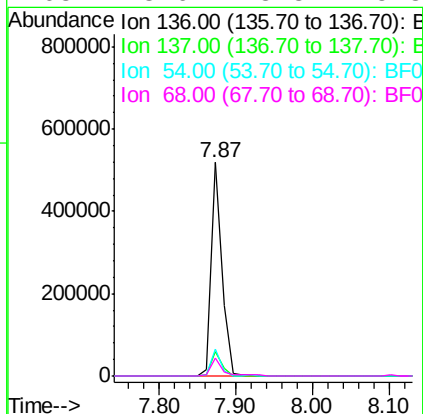
Ion Ratio Lower Upper

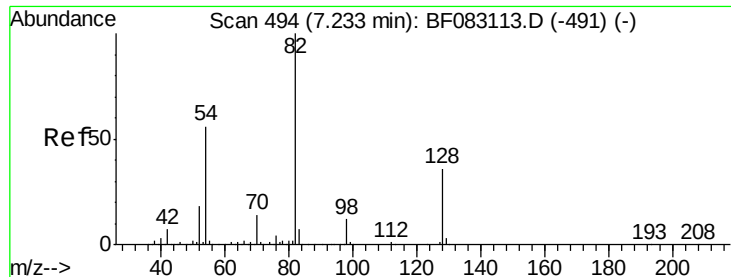
136 100

137 11.4 8.7 13.1

54 12.8 5.8 8.6#

68 8.6 3.8 5.8#





#23

Nitrobenzene-d5

Concen: 4.73 ng

RT: 7.15 min Scan# 452

Delta R.T. -0.08 min

Lab File: BF083294.D

Acq: 26 Nov 2015 1:15

Instrument :

BNA_F

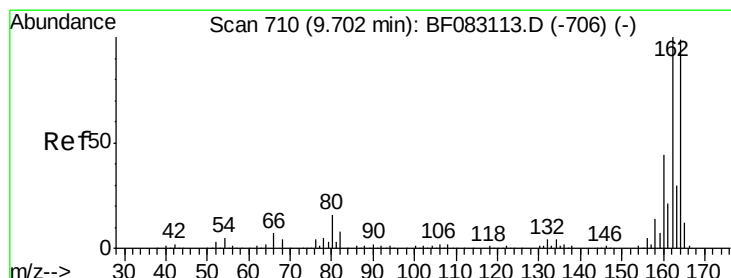
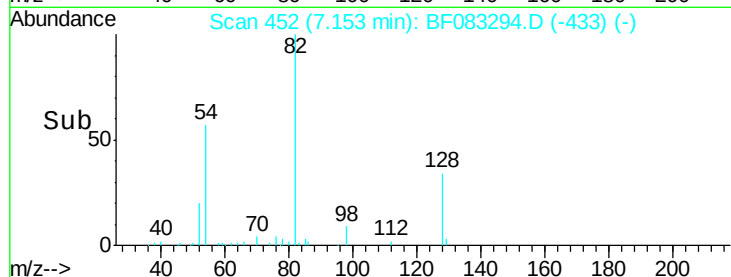
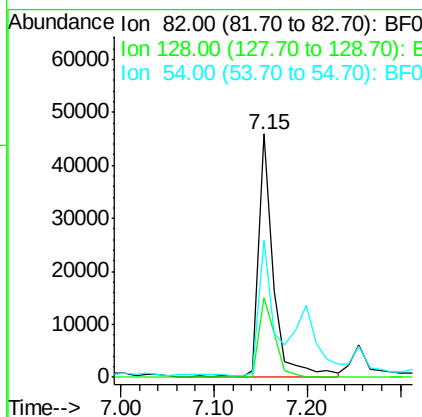
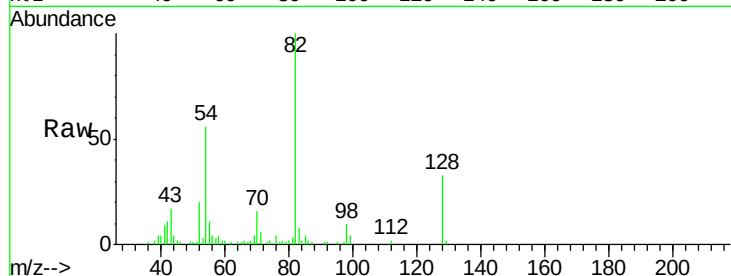
ClientSampleId :

1511173891

Manual Integrations
APPROVED

mmdadoda
11/26/2015 6:43:47 PM

Tot Ion	82	Resp	51220
Ion Ratio	Lower	Upper	
82	100		
128	32.7	28.5	42.7
54	56.4	44.6	67.0



#38

Acenaphthene-d10

Concen: 20.00 ng

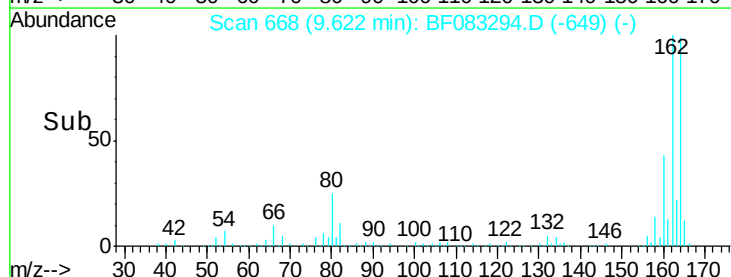
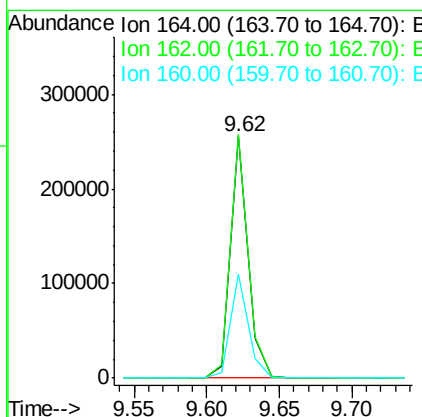
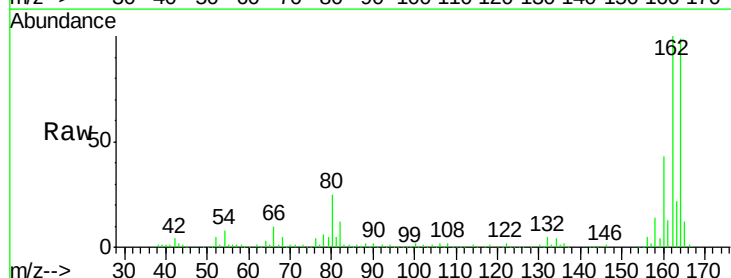
RT: 9.62 min Scan# 668

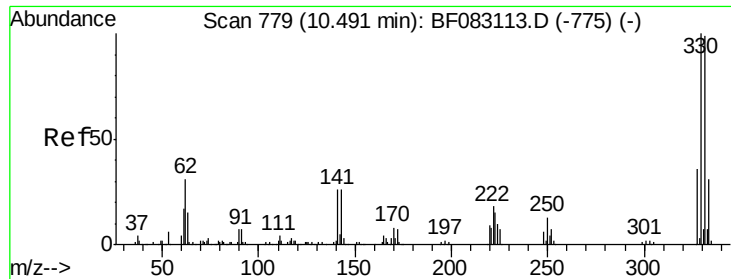
Delta R.T. -0.08 min

Lab File: BF083294.D

Acq: 26 Nov 2015 1:15

Tgt Ion	164	Resp	215409
Ion Ratio	Lower	Upper	
164	100		
162	100.7	81.2	121.8
160	43.1	35.6	53.4





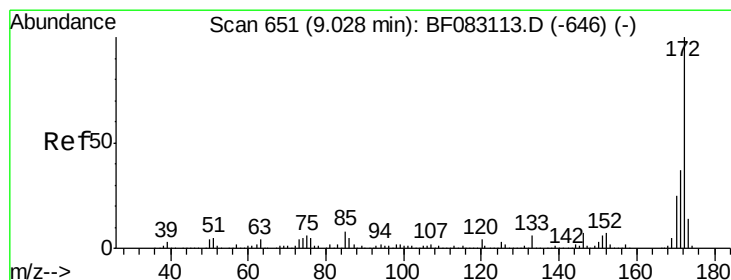
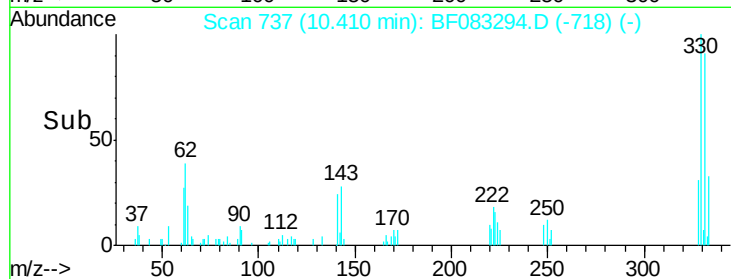
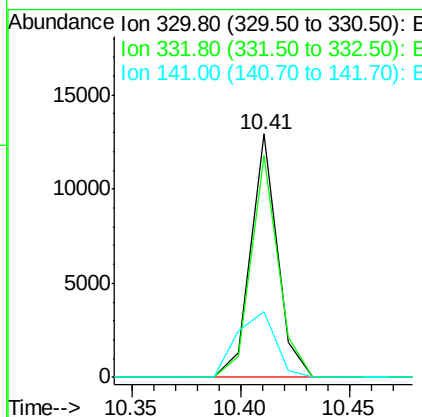
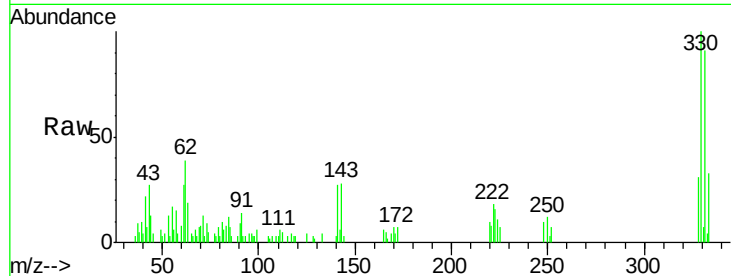
#41
 2,4,6-Tribromophenol
 Concen: 5.00 ng
 RT: 10.41 min Scan# 737
 Delta R.T. -0.08 min
 Lab File: BF083294.D
 Acq: 26 Nov 2015 1:15

Instrument :
 BNA_F
 ClientSampleId :
 1511173891

Tot Ion	Ratio	Resp	Lower	Upper
330	100	11015		
332	93.5	77.7	116.5	
141	39.1	29.7	44.5	

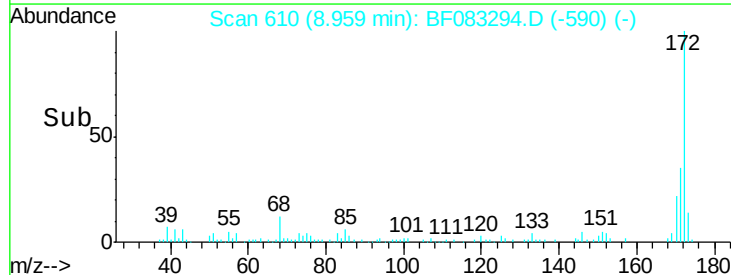
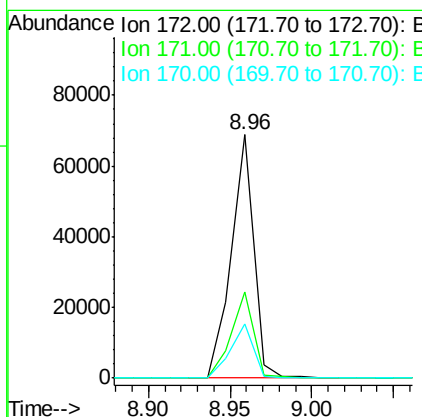
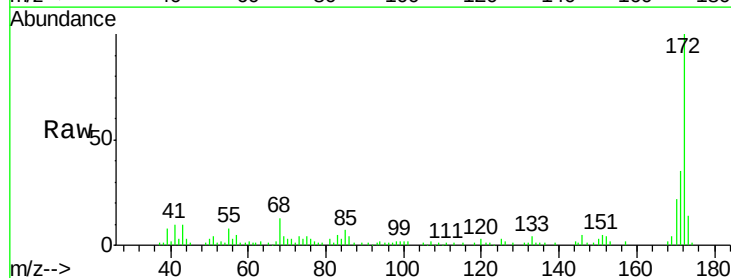
Manual Integrations
 APPROVED

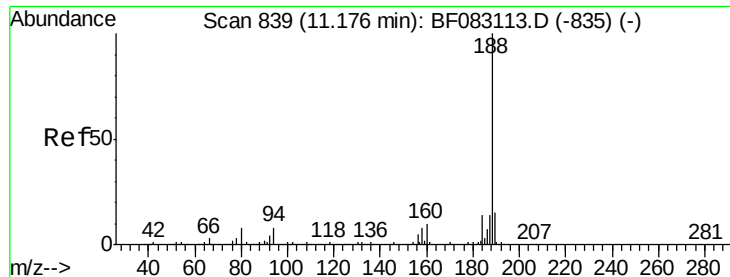
mmdadoda
 11/26/2015 6:43:47 PM



#44
 2-Fluorobiphenyl
 Concen: 4.22 ng
 RT: 8.96 min Scan# 610
 Delta R.T. -0.07 min
 Lab File: BF083294.D
 Acq: 26 Nov 2015 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	65163		
171	35.2	29.5	44.3	
170	22.5	19.9	29.9	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.10 min Scan# 797

Delta R.T. -0.08 min

Lab File: BF083294.D

Acq: 26 Nov 2015 1:15

Instrument :

BNA_F

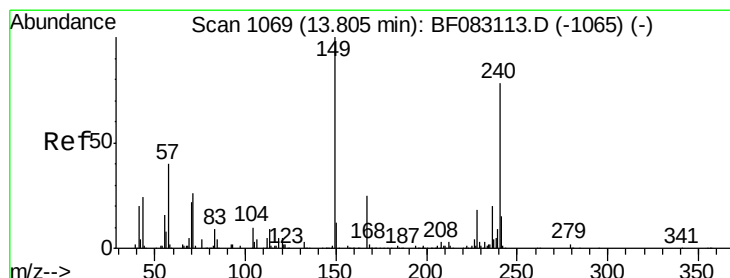
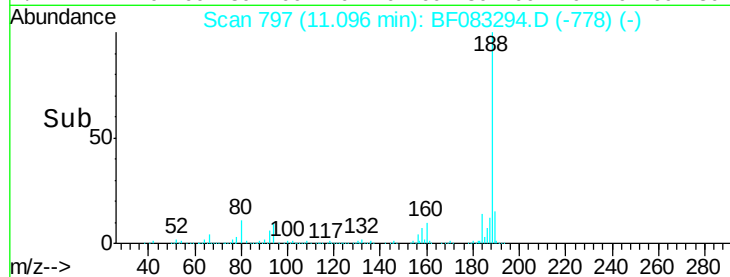
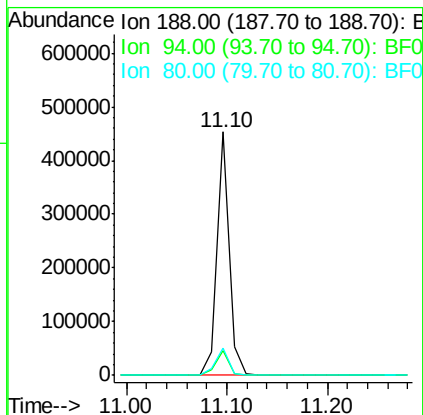
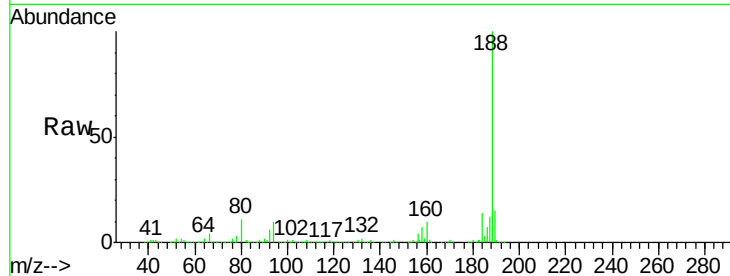
ClientSampleId :

1511173891

Tot Ion:	188	Resp:	381795
Ion Ratio	Lower	Upper	
188	100		
94	10.4	6.0	9.0#
80	11.3	6.7	10.1#

Manual Integrations
APPROVED

mmdadoda
11/26/2015 6:43:47 PM



#75

Chrysene-d12

Concen: 20.00 ng

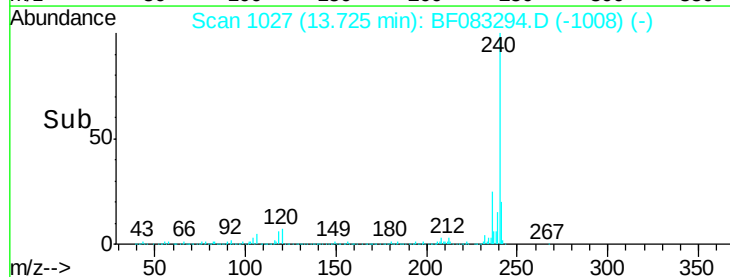
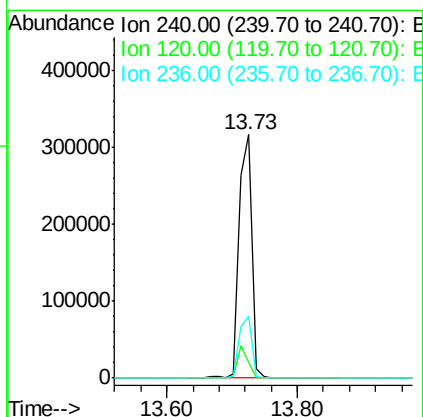
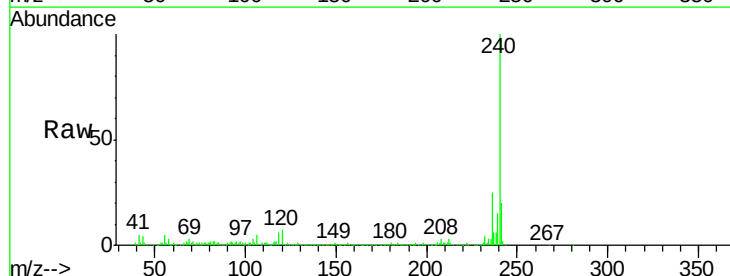
RT: 13.73 min Scan# 1027

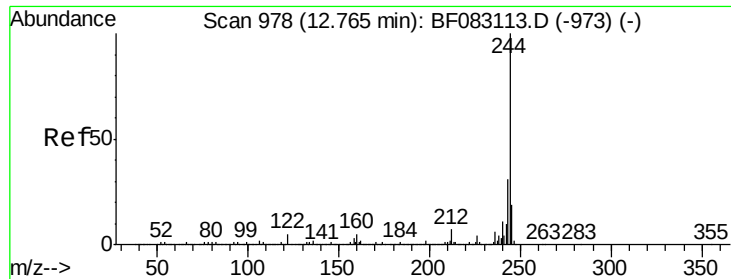
Delta R.T. -0.08 min

Lab File: BF083294.D

Acq: 26 Nov 2015 1:15

Tgt Ion:	240	Resp:	419339
Ion Ratio	Lower	Upper	
240	100		
120	6.7	5.4	8.2
236	25.3	20.6	31.0





#78

Terphenyl-d14

Concen: 3.71 ng

RT: 12.67 min Scan# 935

Delta R.T. -0.09 min

Lab File: BF083294.D

Acq: 26 Nov 2015 1:15

Instrument :

BNA_F

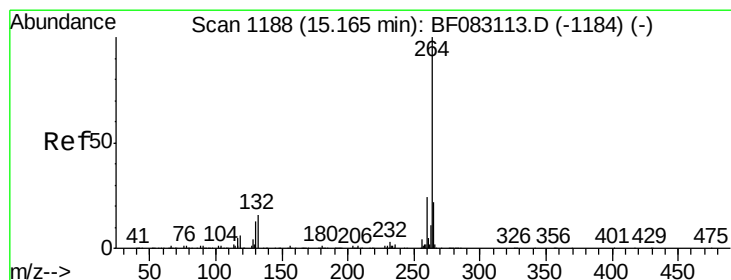
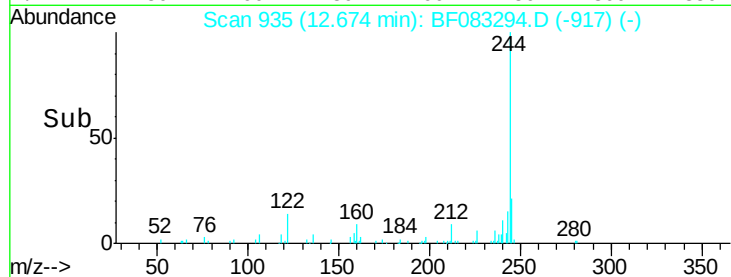
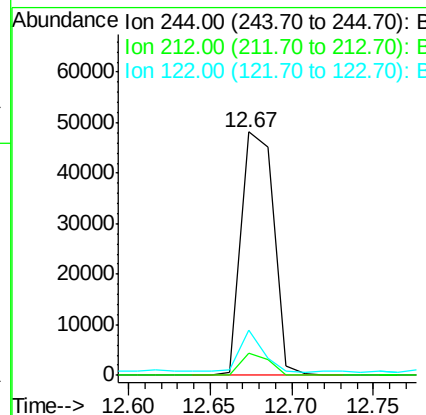
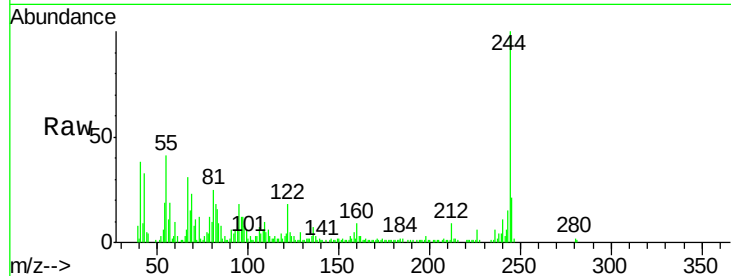
ClientSampleId :

1511173891

Tot Ion:	244	Resp:	66058
Ion Ratio	Lower	Upper	
244	100		
212	9.1	5.4	8.2#
122	18.3	4.3	6.5#

Manual Integrations
APPROVED

mmdadoda
11/26/2015 6:43:47 PM



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.07 min Scan# 1145

Delta R.T. -0.09 min

Lab File: BF083294.D

Acq: 26 Nov 2015 1:15

Tgt Ion:	264	Resp:	306176
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.1	28.7
265	21.7	18.2	27.4

