

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083640.D
 Acq On : 9 Dec 2015 15:26
 Operator : UM/IZ
 Sample : G4561-10 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

Manual Integrations
 APPROVED

MMdadoda
 12/10/2015 5:50:00 PM

Quant Time: Dec 10 01:15:21 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.69	152	123737	20.00	ng	-0.01
21) Naphthalene-d8	7.60	136	416416	20.00	ng	-0.01
38) Acenaphthene-d10	10.43	164	176541m	20.00	ng	0.05
63) Phenanthrene-d10	12.82	188	249100	20.00	ng	0.03
75) Chrysene-d12	16.99	240	271439	20.00	ng	0.00
86) Perylene-d12	18.63	264	260079	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.98	112	108793	13.34	ng	0.01
7) Phenol-d6	5.28	99	246007	22.57	ng	0.00
23) Nitrobenzene-d5	6.52	82	145849	16.34	ng	-0.01
41) 2,4,6-Tribromophenol	11.73	330	40002	25.43	ng	0.05
44) 2-Fluorobiphenyl	9.36	172	204336	16.29	ng	0.01
78) Terphenyl-d14	15.41	244	180576	15.65	ng	0.00
Target Compounds						
51) Acenaphthene	10.48	154	221336	20.24	ng	# 86
57) Fluorene	11.32	166	295879m	22.35	ng	
70) Phenanthrene	12.86	178	800367	55.92	ng	# 94
74) Fluoranthene	14.77	202	68440	4.67	ng	66
77) Pyrene	15.13	202	184197	9.43	ng	# 86

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

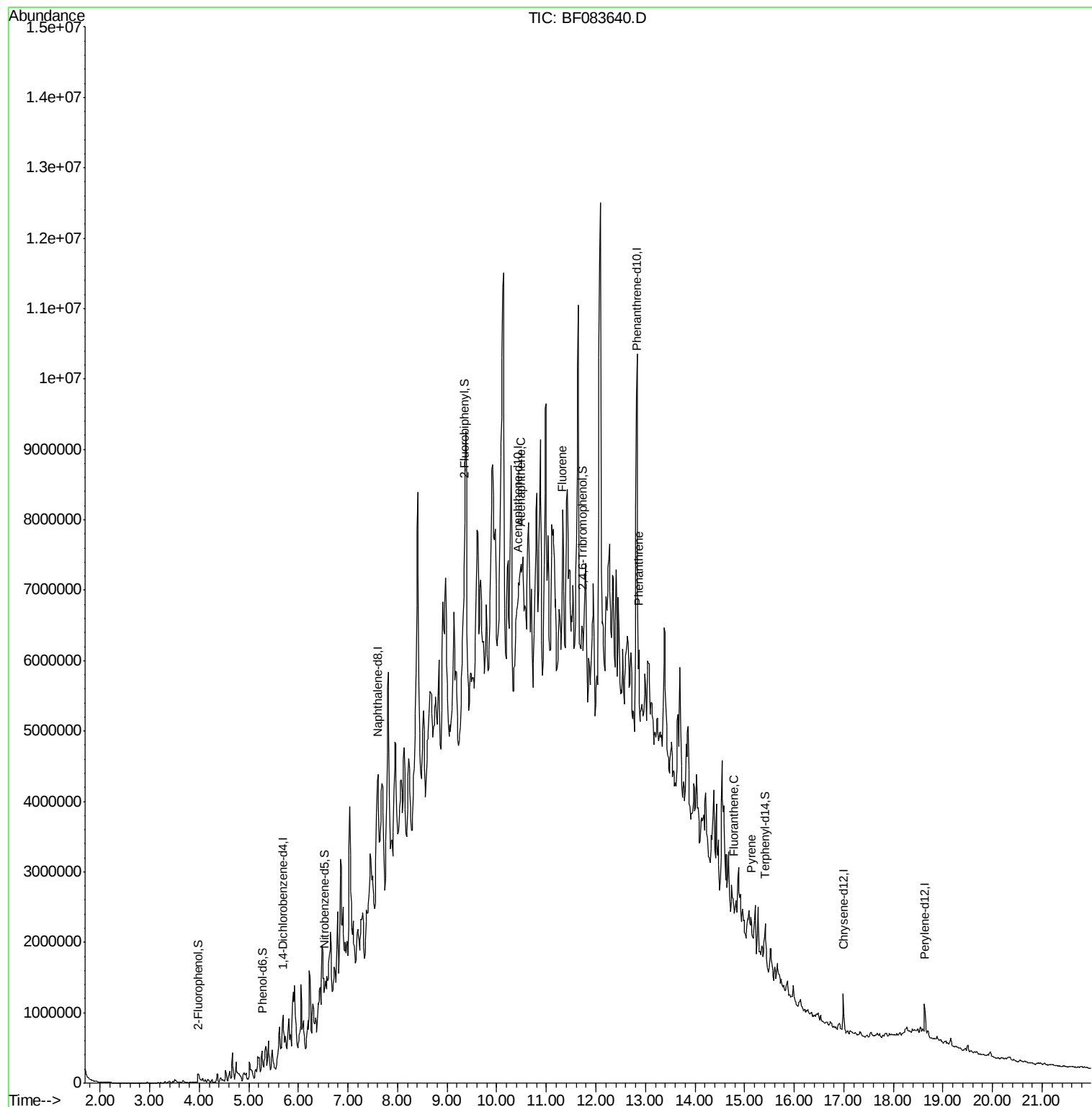
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083640.D
Acq On : 9 Dec 2015 15:26
Operator : UM/IZ
Sample : G4561-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

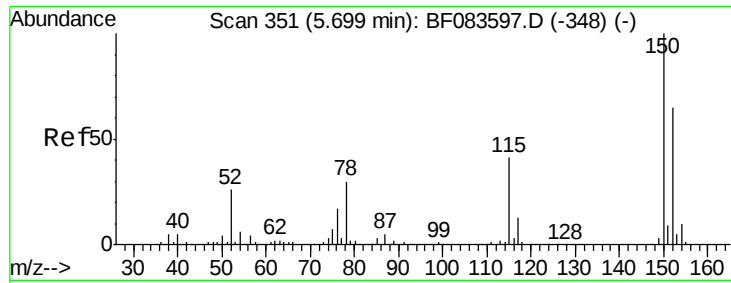
Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Manual Integrations
APPROVED

MMdadoda
12/10/2015 5:50:00 PM

Quant Time: Dec 10 01:15:21 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 09 00:23:35 2015
Response via : Initial Calibration





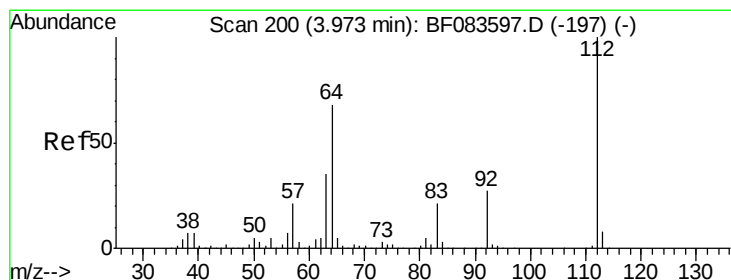
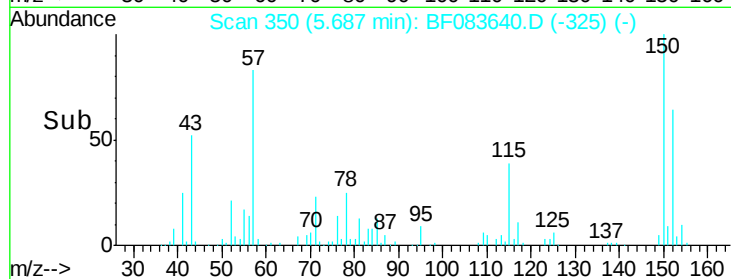
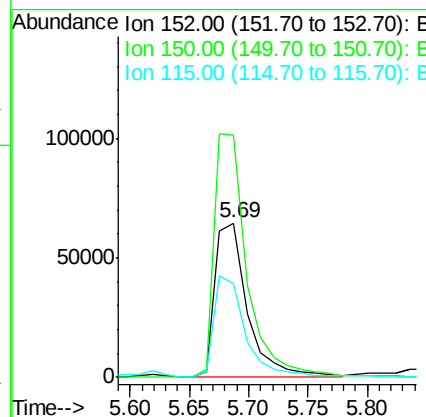
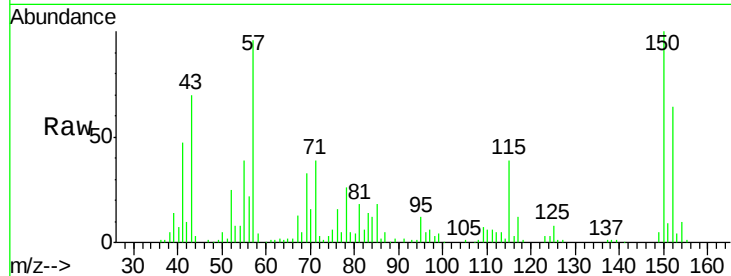
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.69 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.5	189.7
115	60.7	52.3	78.5

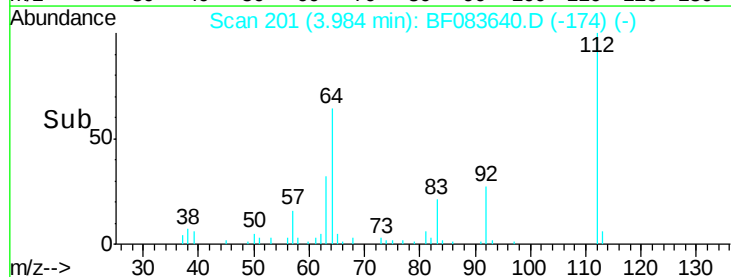
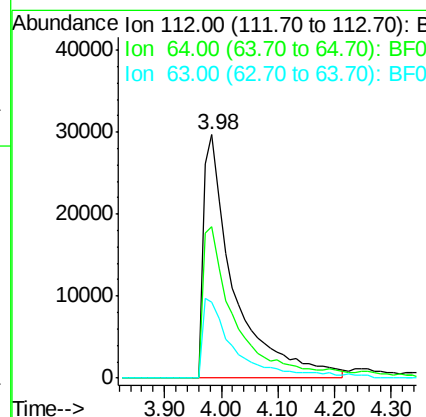
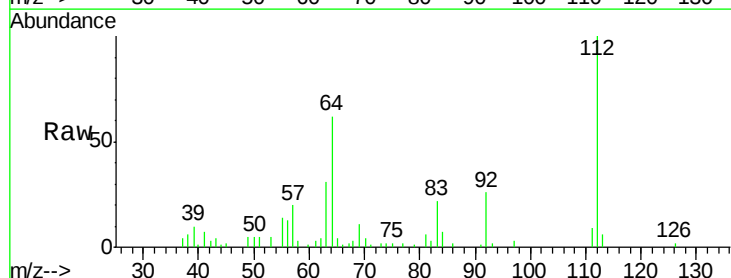
Manual Integrations
 APPROVED

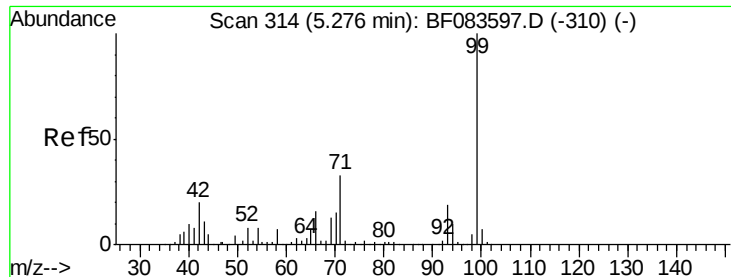
MMdadoda
 12/10/2015 5:50:00 PM



#5
 2-Fluorophenol
 Concen: 13.34 ng
 RT: 3.98 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	50.5	75.7
63	31.3	25.8	38.6





#7

Phenol-d6

Concen: 22.57 ng

RT: 5.28 min Scan# 314

Delta R.T. -0.00 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

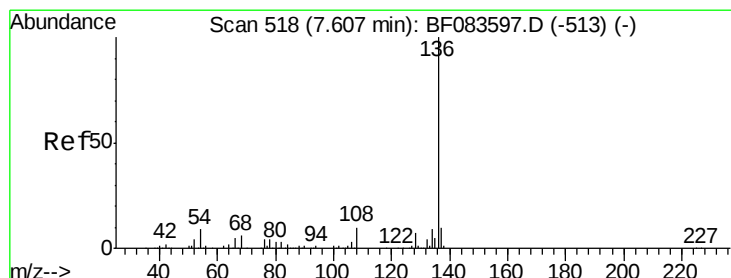
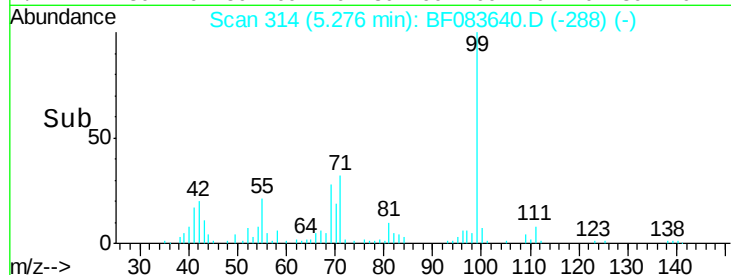
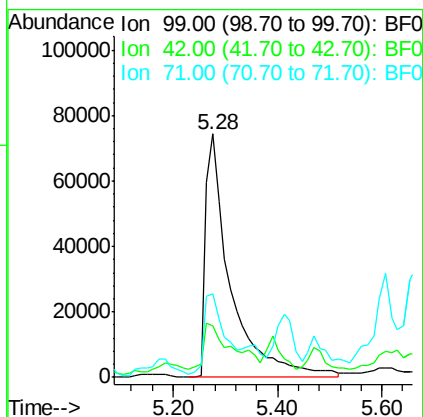
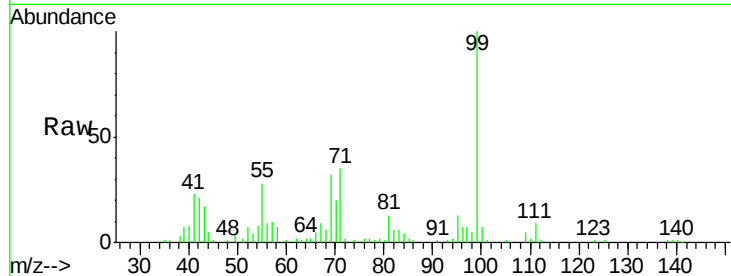
ClientSampleId :

LS-SB29B(4.5-5)

Tot Ion:	99	Resp:	246007
Ion Ratio	Lower	Upper	
99	100		
42	21.3	17.3	25.9
71	34.6	26.6	40.0

Manual Integrations
APPROVED

MMdadoda
12/10/2015 5:50:00 PM



#21

Naphthalene-d8

Concen: 20.00 ng

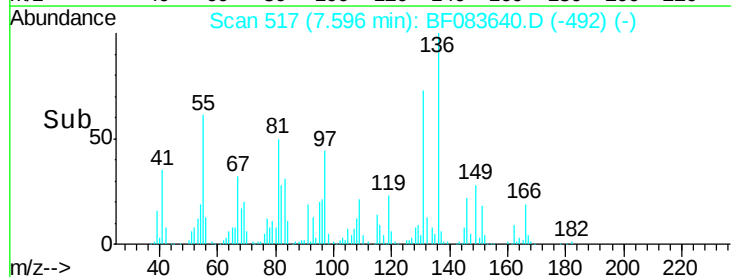
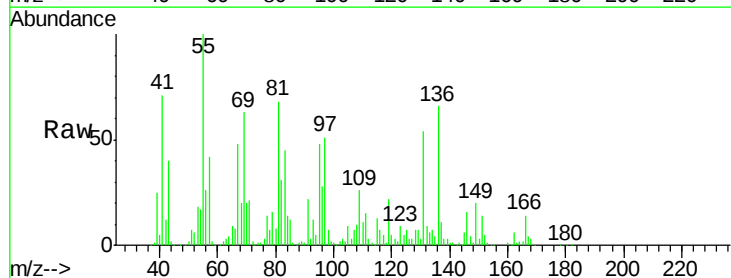
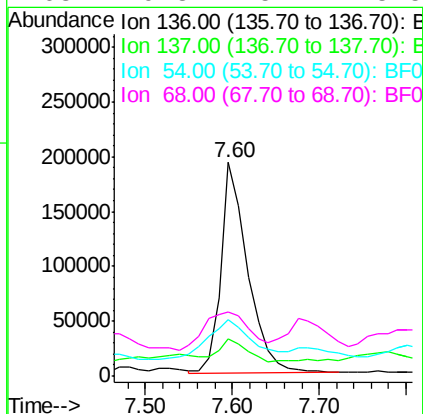
RT: 7.60 min Scan# 517

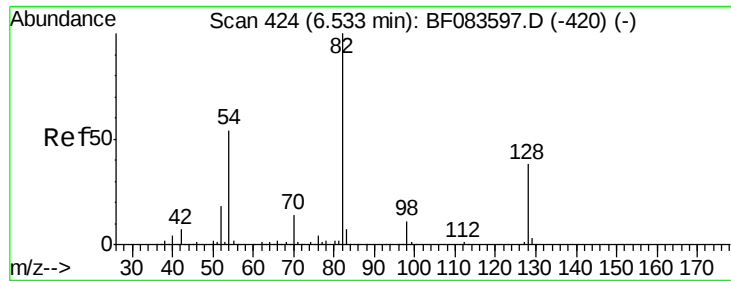
Delta R.T. -0.01 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Tgt Ion:	136	Resp:	416416
Ion Ratio	Lower	Upper	
136	100		
137	17.5	8.7	13.1#
54	26.4	7.8	11.6#
68	29.8	5.7	8.5#





#23

Nitrobenzene-d5

Concen: 16.34 ng

RT: 6.52 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

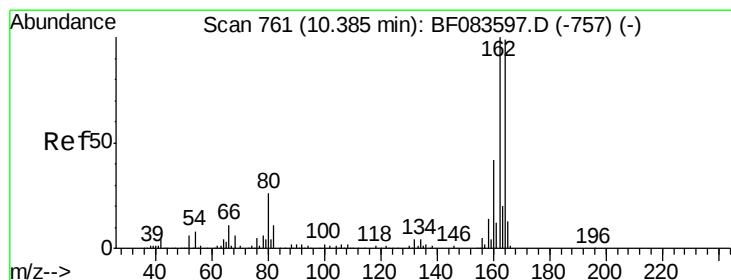
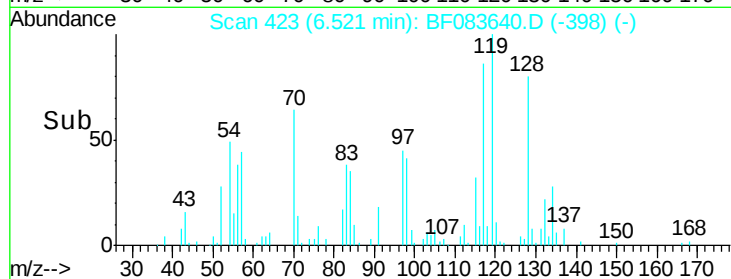
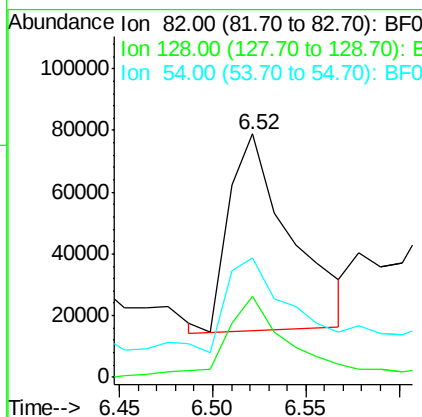
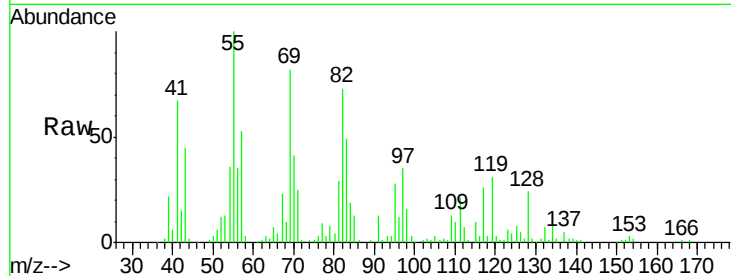
ClientSampleId :

LS-SB29B(4.5-5)

Tot Ion:	82	Resp:	145849
Ion Ratio	Lower	Upper	
82	100		
128	33.5	30.7	46.1
54	49.1	42.5	63.7

Manual Integrations
APPROVED

MMdadoda
12/10/2015 5:50:00 PM



#38

Acenaphthene-d10

Concen: 20.00 ng m

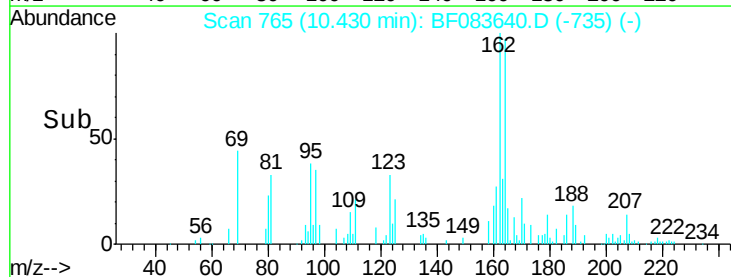
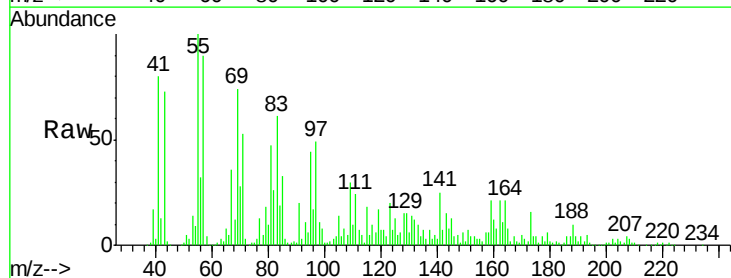
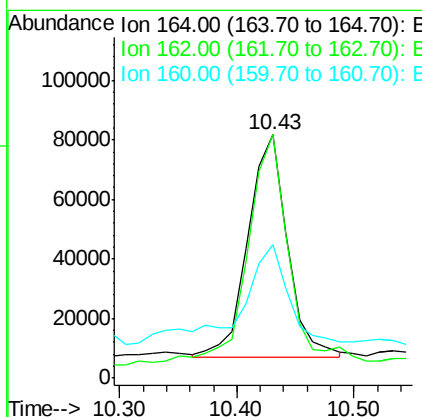
RT: 10.43 min Scan# 765

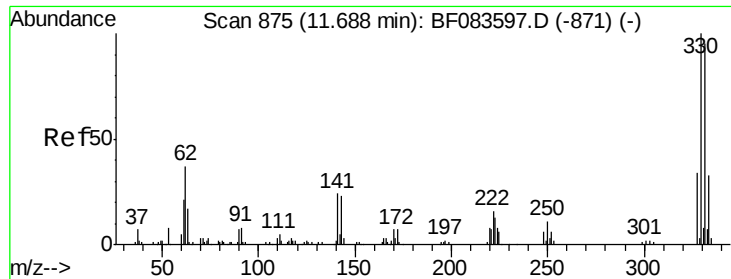
Delta R.T. 0.05 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Tgt Ion:	164	Resp:	176541
Ion Ratio	Lower	Upper	
164	100		
162	100.0	78.8	118.2
160	55.1	33.4	50.2#





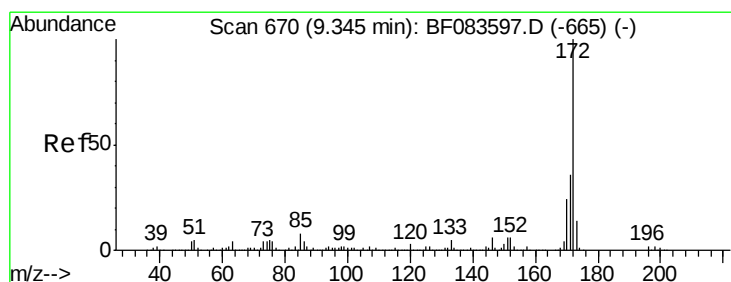
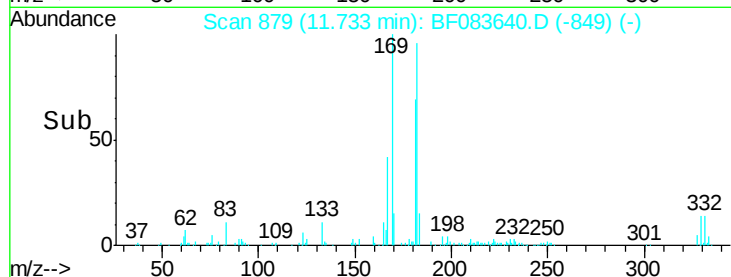
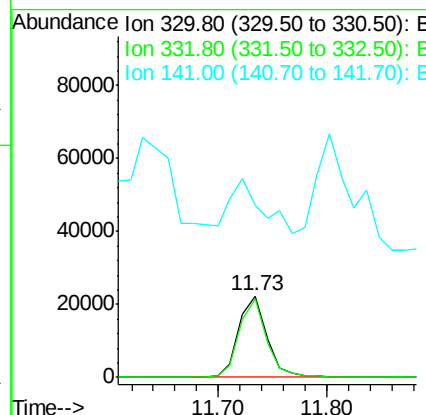
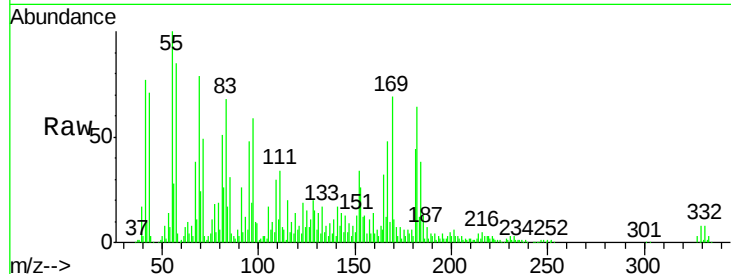
#41
 2,4,6-Tribromophenol
 Concen: 25.43 ng
 RT: 11.73 min Scan# 879
 Delta R.T. 0.05 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.8	0.0	0.0	0.0
141	96.4	0.0	0.0	0.0

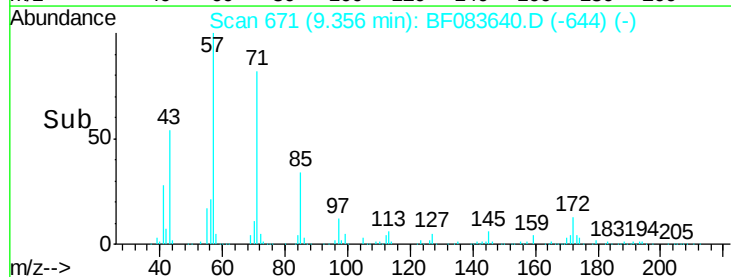
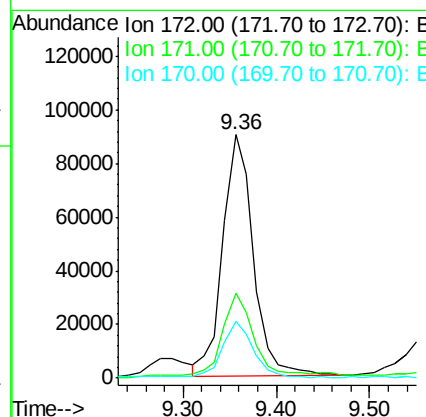
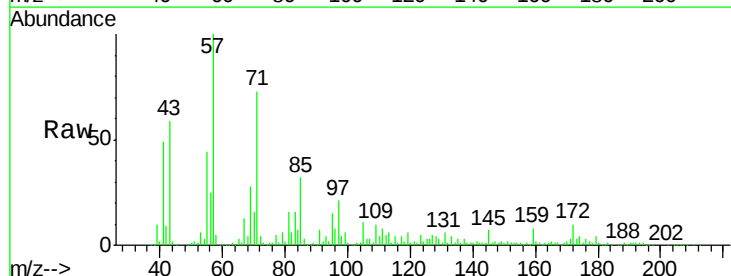
Manual Integrations
 APPROVED

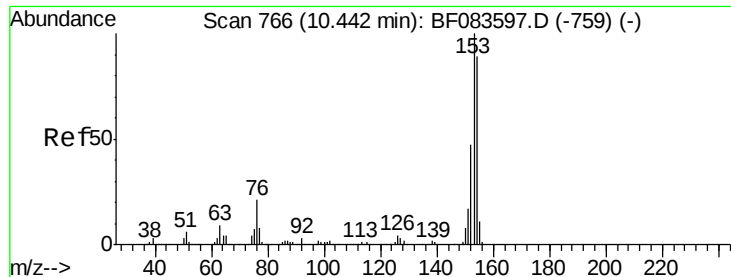
MMdadoda
 12/10/2015 5:50:00 PM



#44
 2-Fluorobiphenyl
 Concen: 16.29 ng
 RT: 9.36 min Scan# 671
 Delta R.T. 0.01 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.7	28.6	42.8	
170	23.3	19.4	29.0	





#51

Acenaphthene

Concen: 20.24 ng

RT: 10.48 min Scan# 769

Delta R.T. 0.03 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

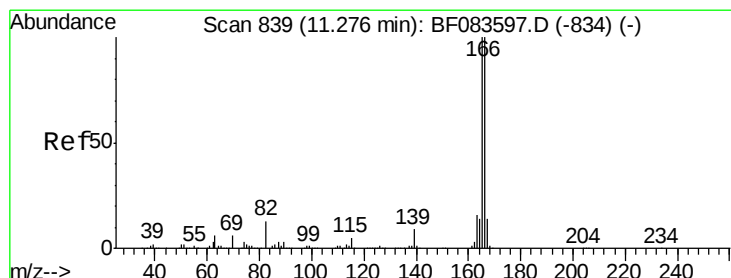
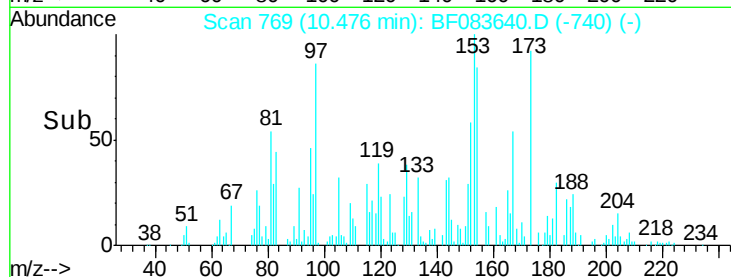
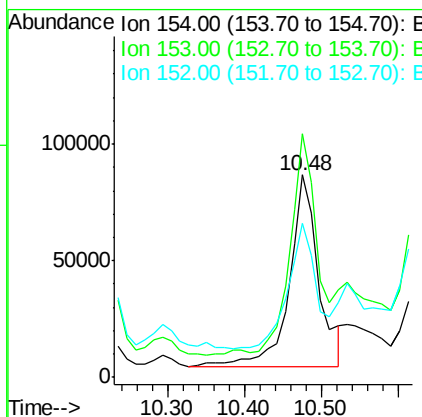
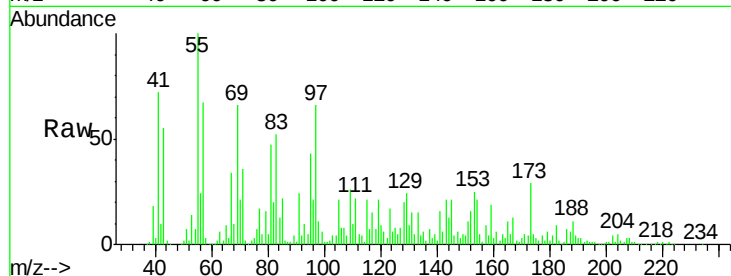
ClientSampleId :

LS-SB29B(4.5-5)

Tot Ion:	154	Resp:	221336
Ion Ratio	Lower	Upper	
154	100		
153	120.3	91.4	137.0
152	76.1	43.4	65.2#

Manual Integrations
APPROVED

MMdadoda
12/10/2015 5:50:00 PM



#57

Fluorene

Concen: 22.35 ng m

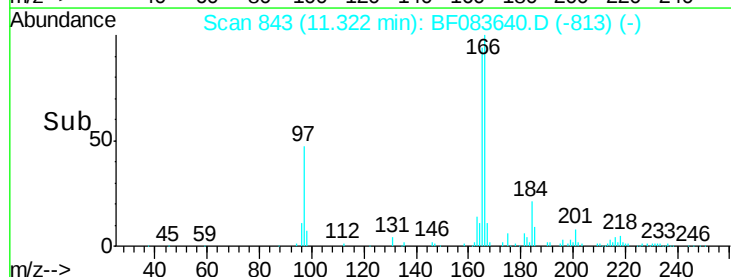
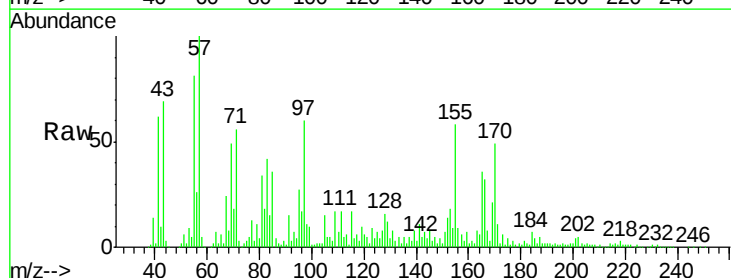
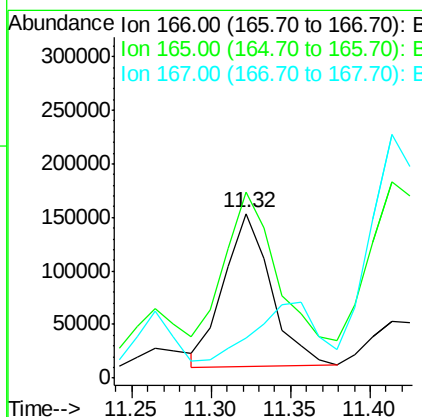
RT: 11.32 min Scan# 843

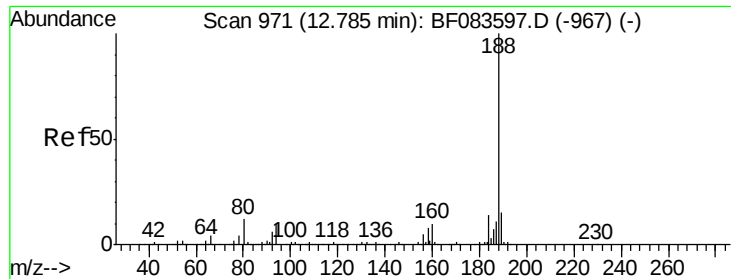
Delta R.T. 0.05 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Tgt Ion:	166	Resp:	295879
Ion Ratio	Lower	Upper	
166	100		
165	112.6	80.0	120.0
167	24.5	10.6	16.0#





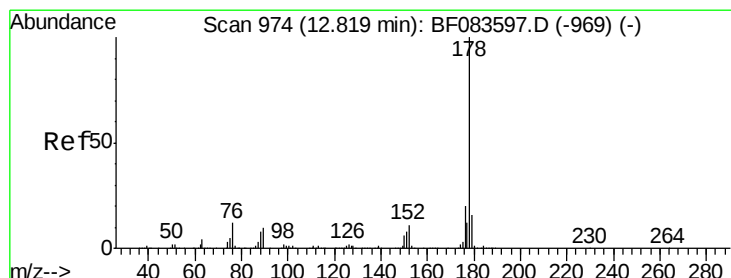
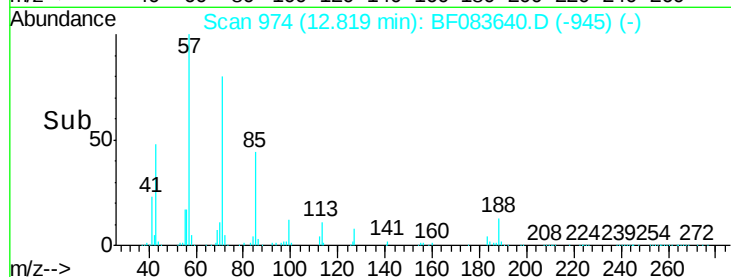
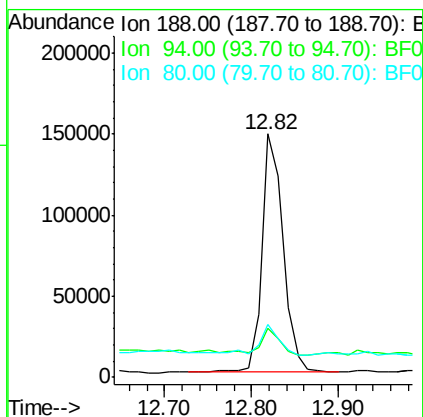
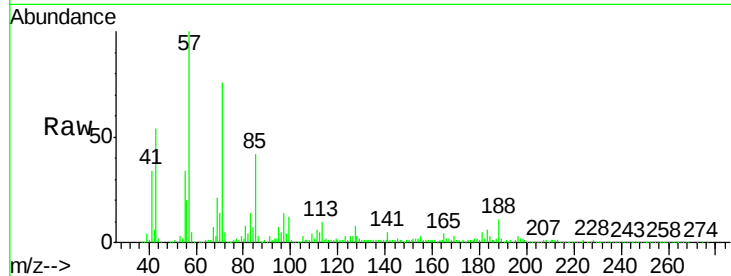
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.82 min Scan# 974
Delta R.T. 0.03 min
Lab File: BF083640.D
Acq: 9 Dec 2015 15:26

Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	19.9	9.4	14.2#
80	21.7	10.6	16.0#

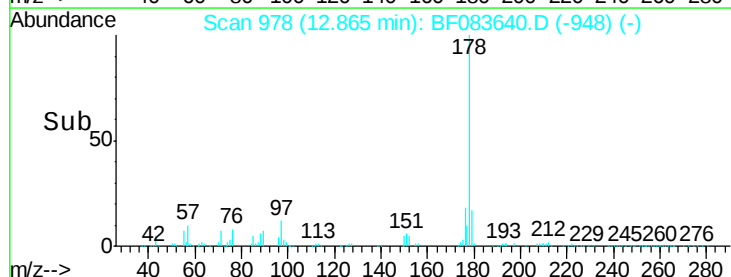
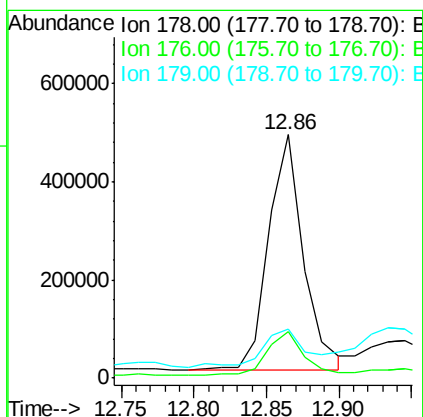
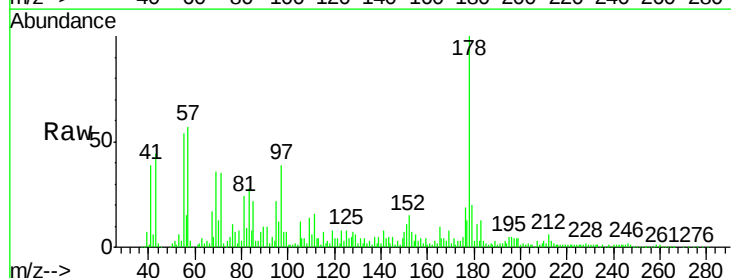
Manual Integrations
APPROVED

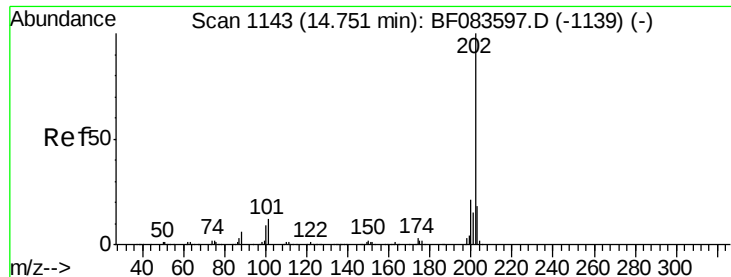
MMdadoda
12/10/2015 5:50:00 PM



#70
Phenanthrene
Concen: 55.92 ng
RT: 12.86 min Scan# 978
Delta R.T. 0.05 min
Lab File: BF083640.D
Acq: 9 Dec 2015 15:26

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	15.7	23.5
179	20.2	12.2	18.4#





#74

Fluoranthene

Concen: 4.67 ng

RT: 14.77 min Scan# 1145

Delta R.T. 0.02 min

Lab File: BF083640.D

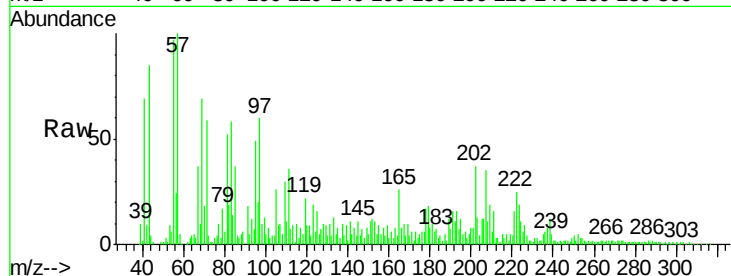
Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

ClientSampleId :

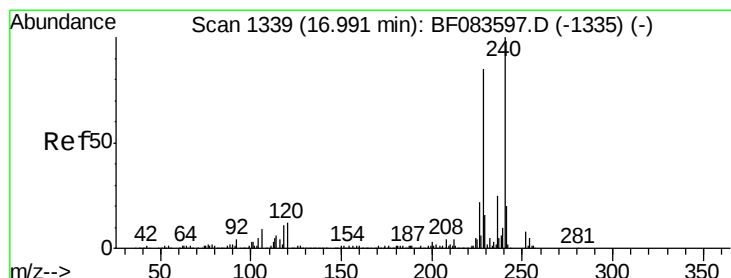
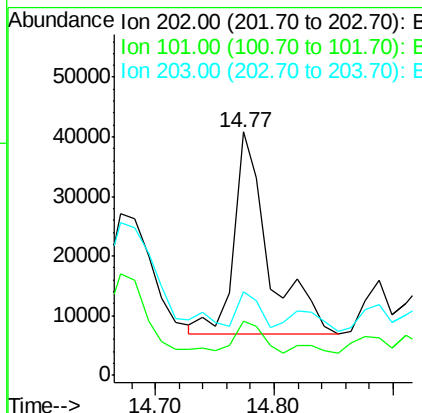
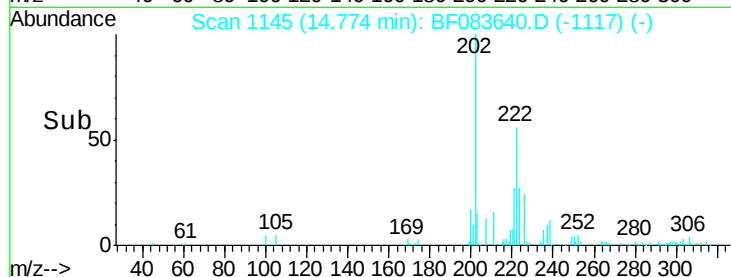
LS-SB29B(4.5-5)



Tot Ion:	202	Resp:	68440
Ion Ratio	Lower	Upper	
202	100		
101	22.0	0.0	31.5
203	34.6	0.0	37.6

Manual Integrations
APPROVED

MMdadoda
12/10/2015 5:50:00 PM



#75

Chrysene-d12

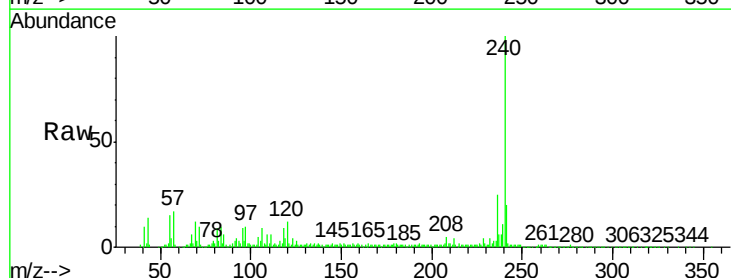
Concen: 20.00 ng

RT: 16.99 min Scan# 1339

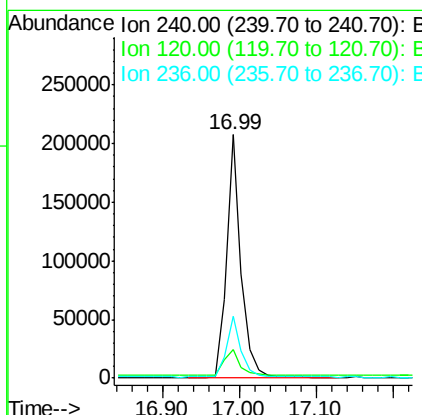
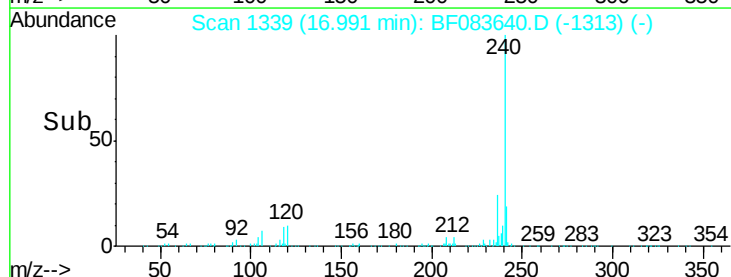
Delta R.T. 0.00 min

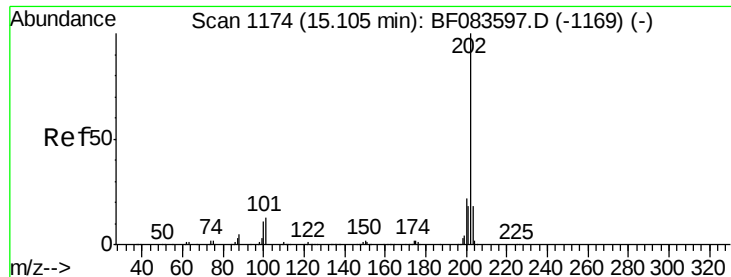
Lab File: BF083640.D

Acq: 9 Dec 2015 15:26



Tgt Ion:	240	Resp:	271439
Ion Ratio	Lower	Upper	
240	100		
120	11.6	8.1	12.1
236	25.2	20.8	31.2





#77

Pvrene

Concen: 9.43 ng

RT: 15.13 min Scan# 1176

Delta R.T. 0.02 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

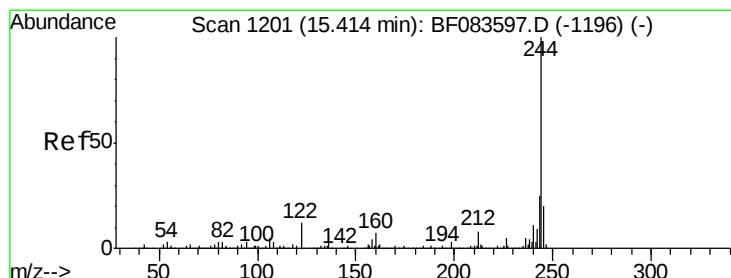
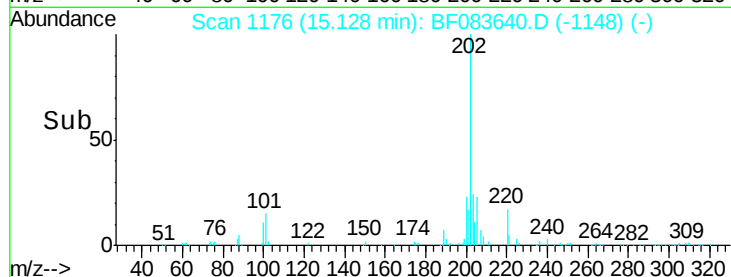
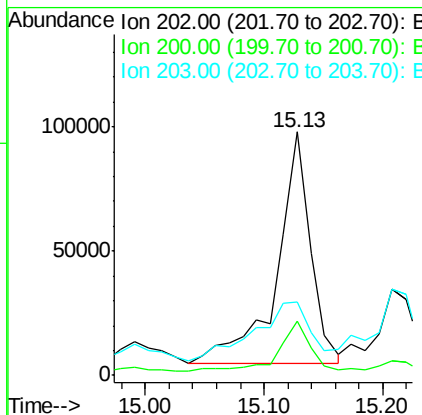
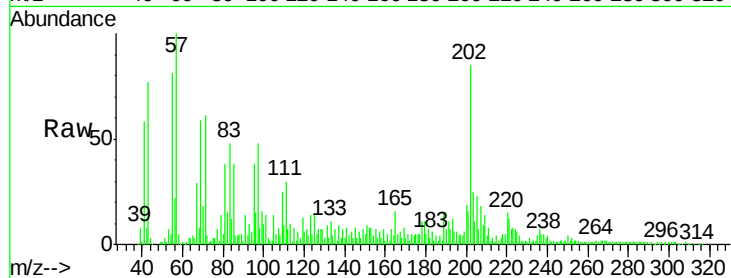
ClientSampleId :

LS-SB29B(4.5-5)

Tot Ion:	202	Resp:	184197
Ion Ratio		Lower	Upper
202	100		
200	22.3	16.7	25.1
203	30.0	14.3	21.5#

Manual Integrations
APPROVED

MMdadoda
12/10/2015 5:50:00 PM



#78

Terphenyl-d14

Concen: 15.65 ng

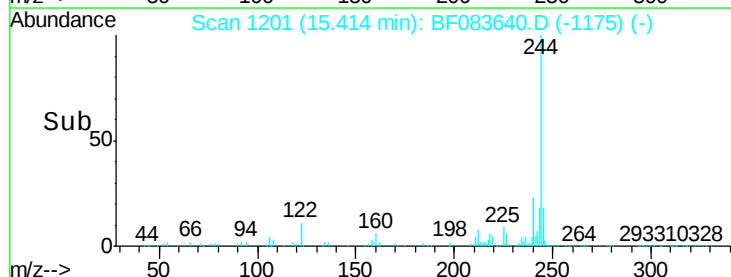
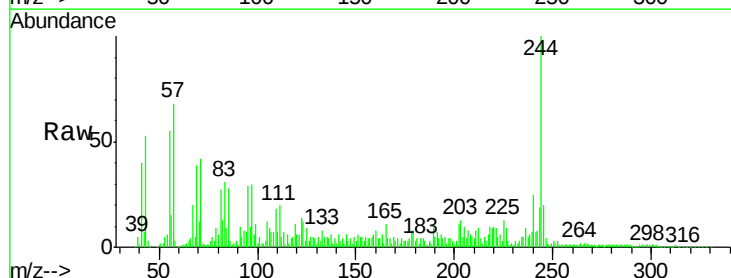
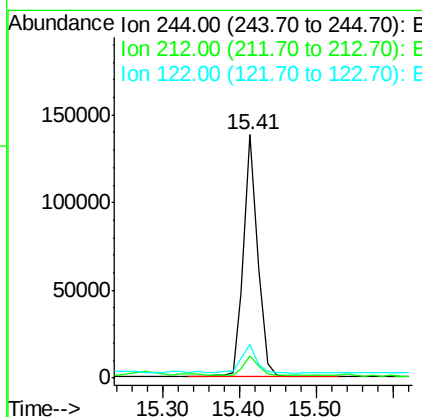
RT: 15.41 min Scan# 1201

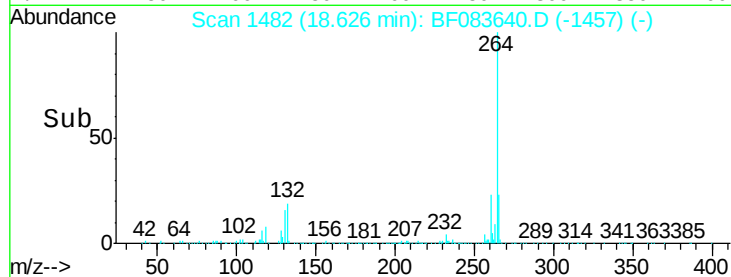
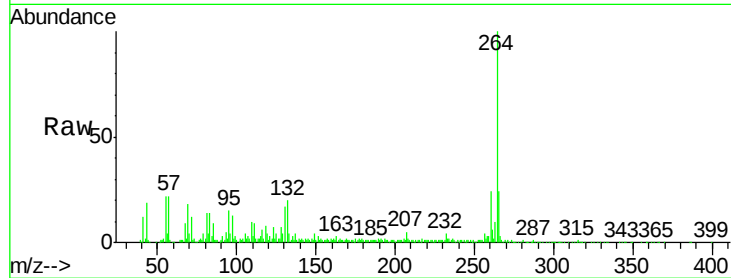
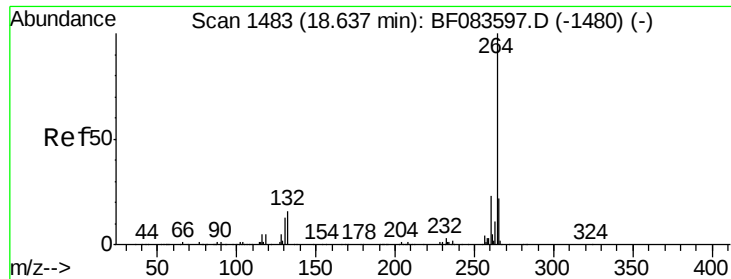
Delta R.T. 0.00 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Tgt Ion:	244	Resp:	180576
Ion Ratio		Lower	Upper
244	100		
212	8.9	6.1	9.1
122	13.8	11.0	16.6





#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083640.D
Acq: 9 Dec 2015 15:26

Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	23.7	19.4	29.0
265	23.6	17.8	26.6

Manual Integrations
APPROVED

MMdadoda
12/10/2015 5:50:00 PM

