

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
 Data File : BF079497.D
 Acq On : 27 May 2015 2:23
 Operator : TP/IZ
 Sample : G2289-14 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-32D

Manual Integrations
 APPROVED

apatel
 5/27/2015 2:01:54 PM

Quant Time: May 27 05:50:15 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 01:32:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	67327	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	279446	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	138688	20.00	ng	0.00
63) Phenanthrene-d10	12.61	188	266964	20.00	ng	0.01
75) Chrysene-d12	15.89	240	288350	20.00	ng	0.01
86) Perylene-d12	17.60	264	315004	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	72613m	18.71	ng	0.00
7) Phenol-d6	6.62	99	100117m	20.24	ng	0.00
23) Nitrobenzene-d5	7.71	82	54909m	11.36	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	24466	16.06	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	117666	12.10	ng	0.00
78) Terphenyl-d14	14.59	244	143039	11.64	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	10.80	154	33949	4.18	ng	98
54) Dibenzofuran	11.02	168	41650	3.48	ng	99
57) Fluorene	11.44	166	55579	5.63	ng	98
70) Phenanthrene	12.63	178	580125	39.61	ng	100
71) Anthracene	12.70	178	200193	13.46	ng	100
74) Fluoranthene	14.10	202	731102	46.55	ng	95
77) Pyrene	14.38	202	657123	36.78	ng	# 95
80) Benzo(a)anthracene	15.87	228	296650	17.88	ng	99
82) Chrysene	15.91	228	260611m	16.53	ng	
85) Indeno(1,2,3-cd)pyrene	18.93	276	160261	7.90	ng	94
87) Benzo(b)fluoranthene	17.17	252	315981m	17.59	ng	
88) Benzo(k)fluoranthene	17.18	252	130225m	8.11	ng	
89) Benzo(a)pyrene	17.54	252	262393	15.39	ng	97
91) Benzo(a,h,i)perylene	19.31	276	160947	7.72	ng	98

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

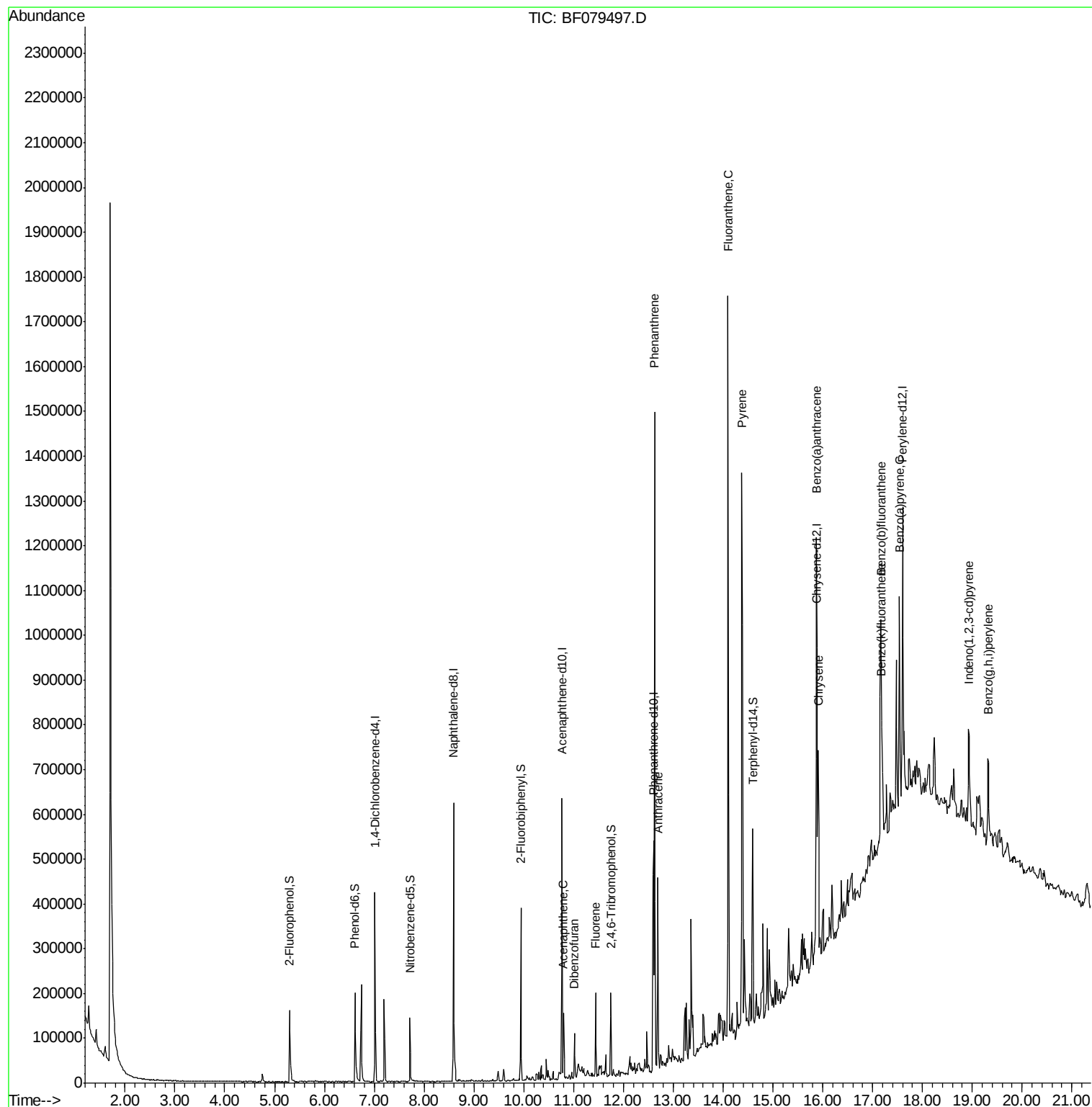
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
Data File : BF079497.D
Acq On : 27 May 2015 2:23
Operator : TP/IZ
Sample : G2289-14 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-32D

Manual Integrations
APPROVED

apatel
5/27/2015 2:01:54 PM

Quant Time: May 27 05:50:15 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 27 01:32:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.02 min Scan# 510

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

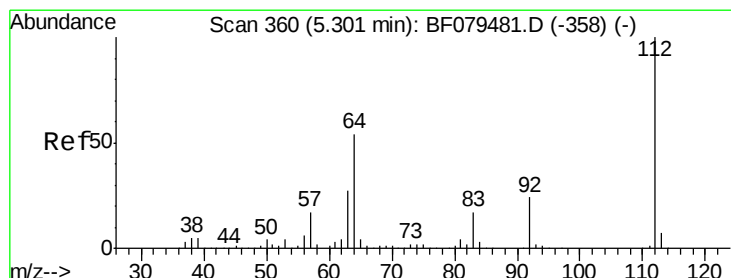
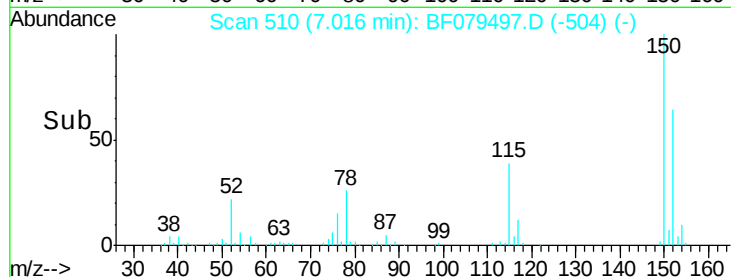
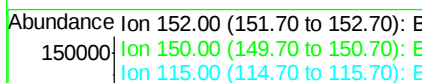
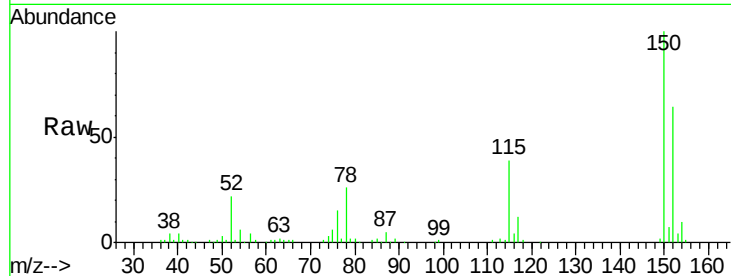
ClientSampleId :

SB-32D

Tot Ion:	152	Resp:	67327
Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.0	186.0
115	61.1	49.6	74.4

Manual Integrations
APPROVED

apatel
5/27/2015 2:01:54 PM



#5

2-Fluorophenol

Concen: 18.71 ng m

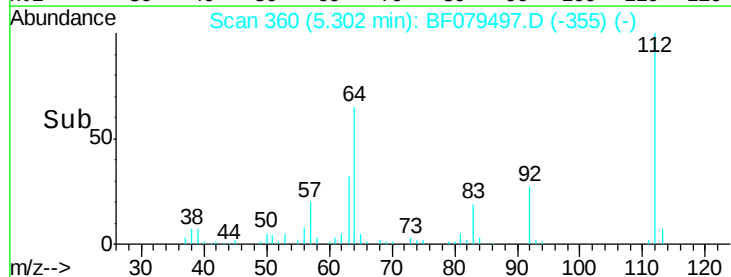
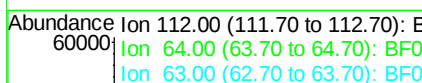
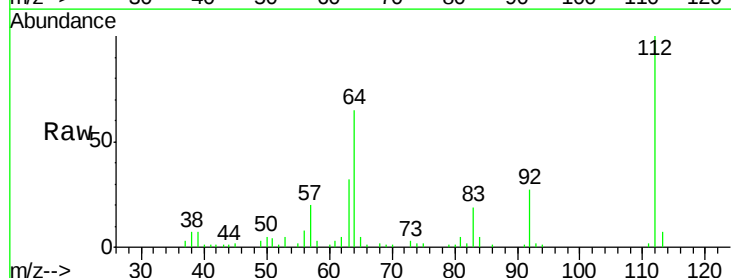
RT: 5.30 min Scan# 360

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Tgt Ion:	112	Resp:	72613
Ion	Ratio	Lower	Upper
112	100		
64	65.3	43.5	65.3
63	32.0	21.8	32.8





#7

Phenol-d6

Concen: 20.24 ng/mL

RT: 6.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

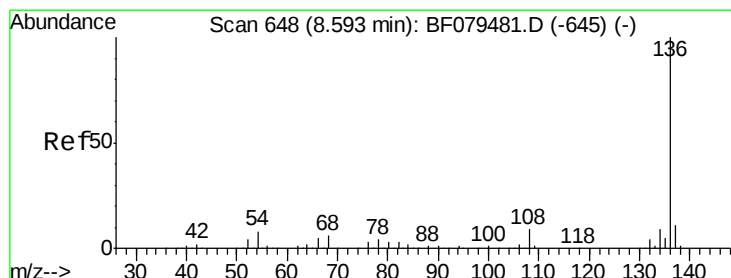
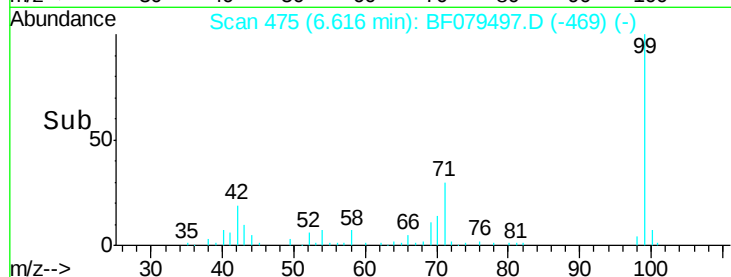
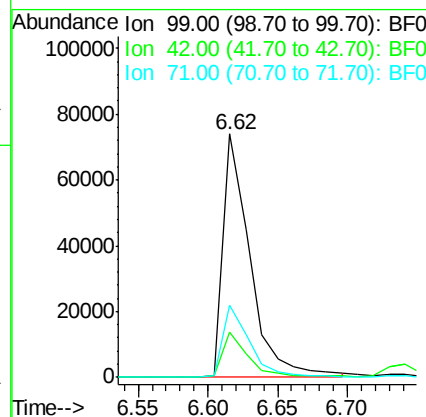
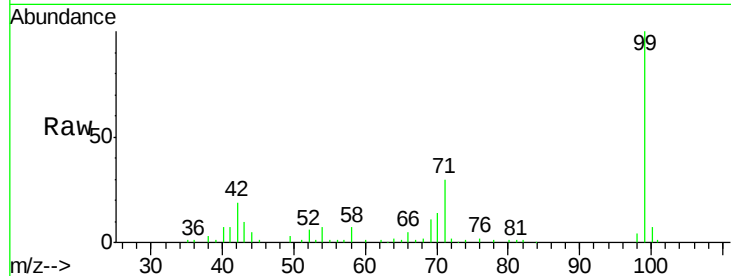
ClientSampleId :

SB-32D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
100117	99	100			
	42	18.7	11.9	17.9	#
	71	29.8	22.1	33.1	

Manual Integrations
APPROVED

apatel
5/27/2015 2:01:54 PM



#21

Naphthalene-d8

Concen: 20.00 ng/mL

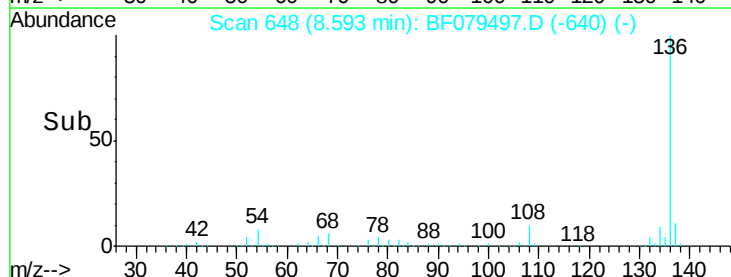
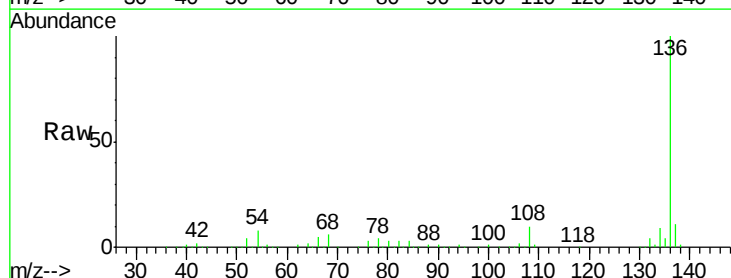
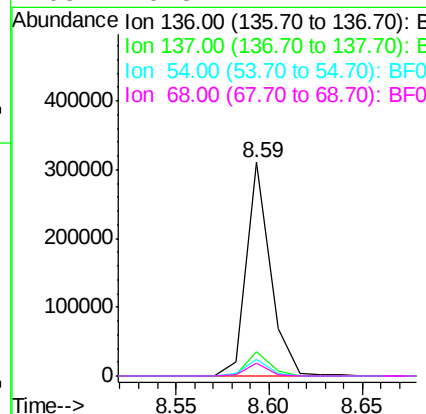
RT: 8.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
279446	136	100			
	137	11.2	8.5	12.7	
	54	8.0	6.6	9.8	
	68	6.3	4.7	7.1	





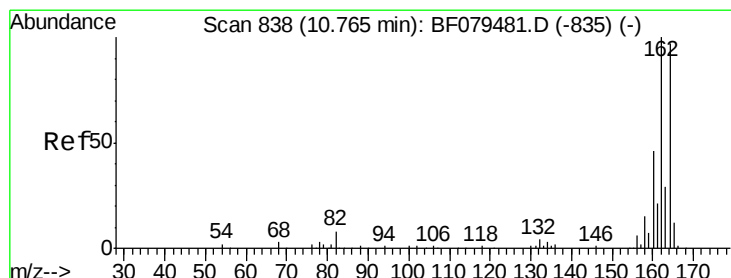
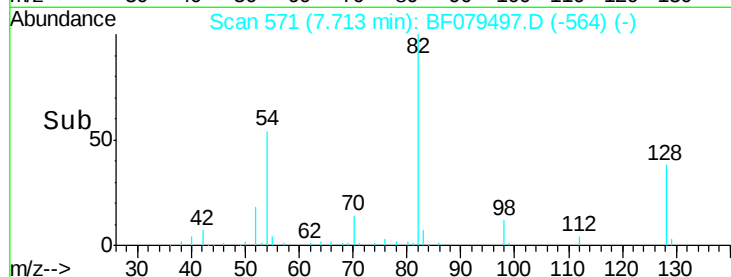
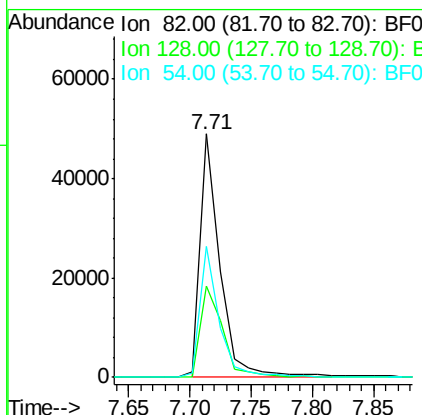
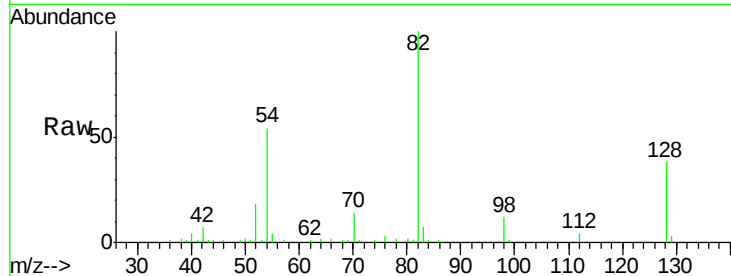
#23
 Nitrobenzene-d5
 Concen: 11.36 ng/ml
 RT: 7.71 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: BF079497.D
 Acq: 27 May 2015 2:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-32D

Tot Ion	82	Resp	54909
Ion Ratio	Lower	Upper	
82	100		
128	37.5	30.8	46.2
54	53.6	42.8	64.2

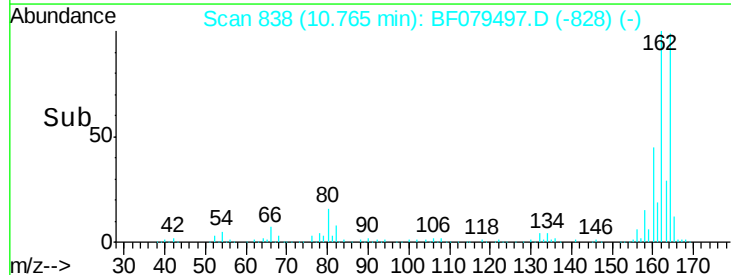
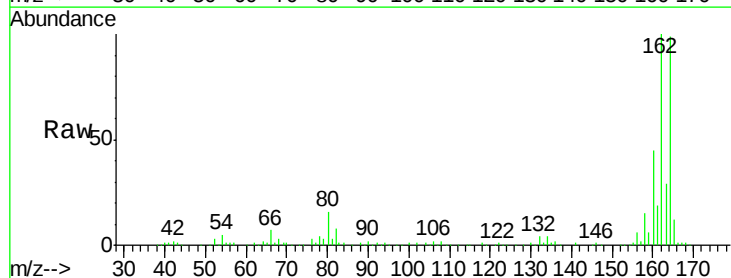
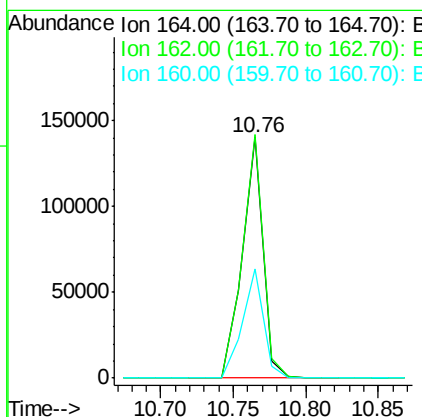
Manual Integrations
 APPROVED

apatel
 5/27/2015 2:01:54 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.76 min Scan# 838
 Delta R.T. 0.00 min
 Lab File: BF079497.D
 Acq: 27 May 2015 2:23

Tgt Ion	164	Resp	138688
Ion Ratio	Lower	Upper	
164	100		
162	101.1	82.6	124.0
160	45.3	37.7	56.5





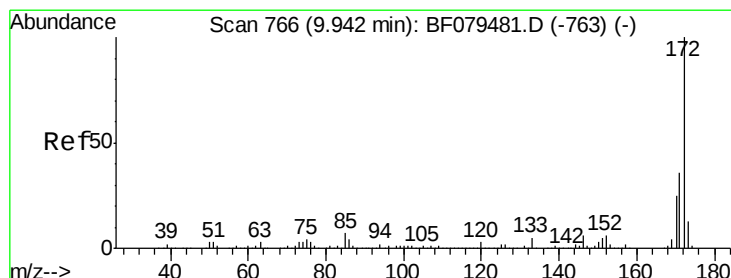
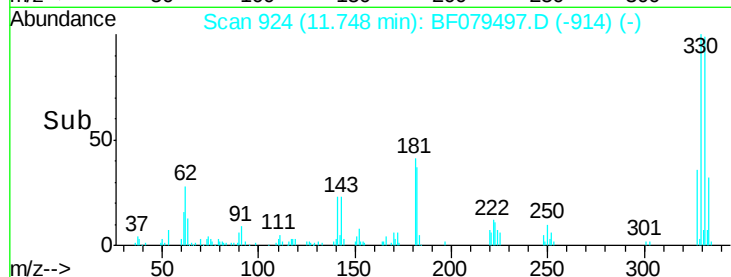
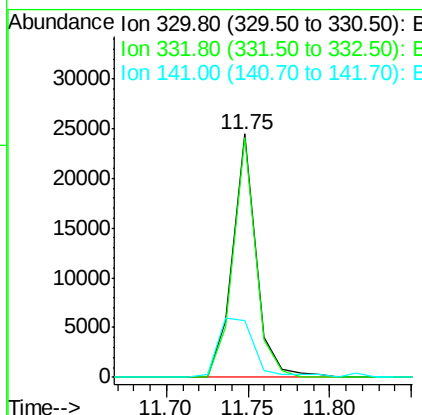
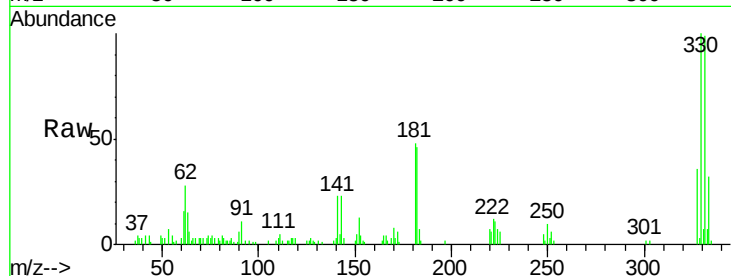
#41
 2,4,6-Tribromophenol
 Concen: 16.06 ng
 RT: 11.75 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BF079497.D
 Acq: 27 May 2015 2:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-32D

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	94.4	0.0	0.0#
141	38.4	0.0	0.0#

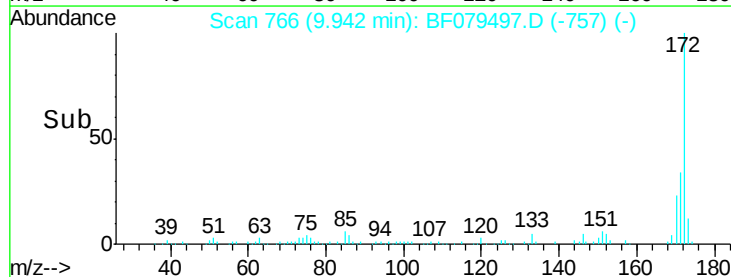
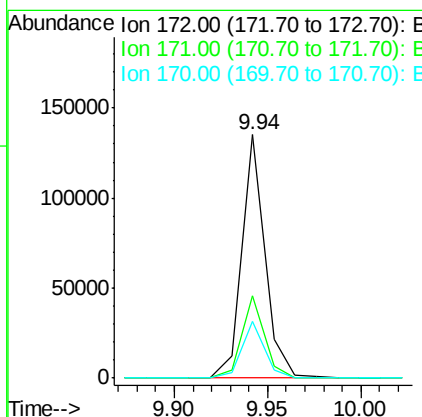
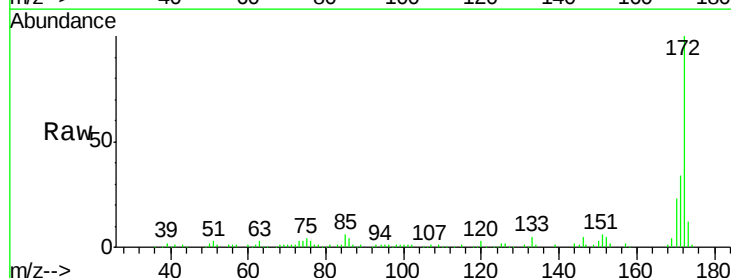
Manual Integrations
 APPROVED

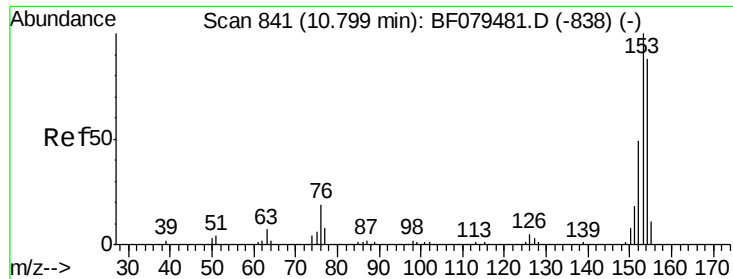
apatel
 5/27/2015 2:01:54 PM



#44
 2-Fluorobiphenyl
 Concen: 12.10 ng
 RT: 9.94 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: BF079497.D
 Acq: 27 May 2015 2:23

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	33.9	28.5	42.7
170	23.3	19.7	29.5





#51

Acenaphthene

Concen: 4.18 ng

RT: 10.80 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

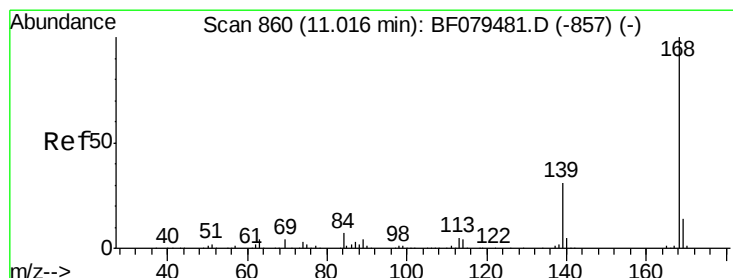
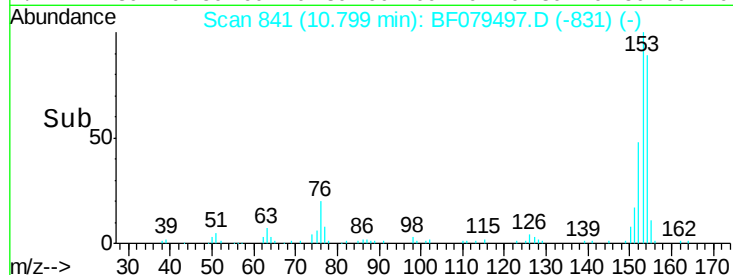
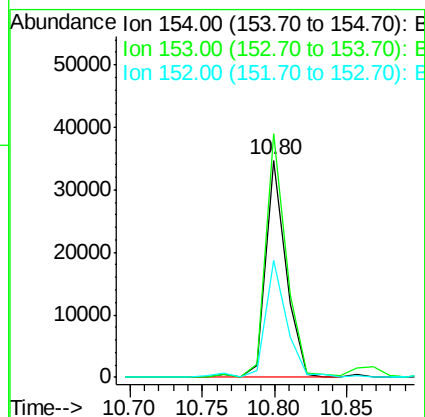
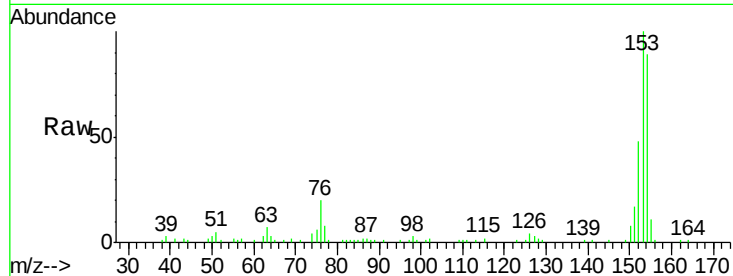
ClientSampled :

SB-32D

Tot Ion:	154	Resp:	33949
Ion	Ratio	Lower	Upper
154	100		
153	112.2	91.1	136.7
152	54.0	44.6	66.8

Manual Integrations
APPROVED

apatel
5/27/2015 2:01:54 PM



#54

Dibenzofuran

Concen: 3.48 ng

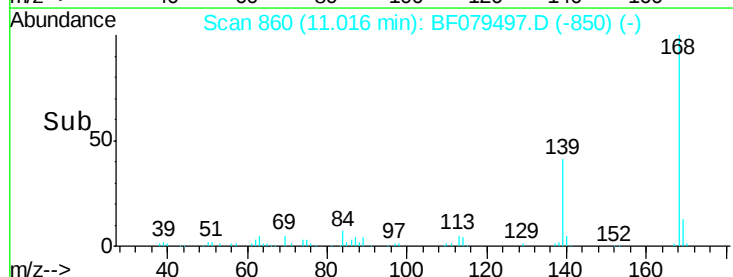
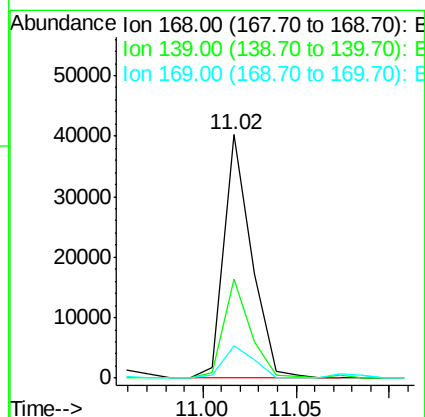
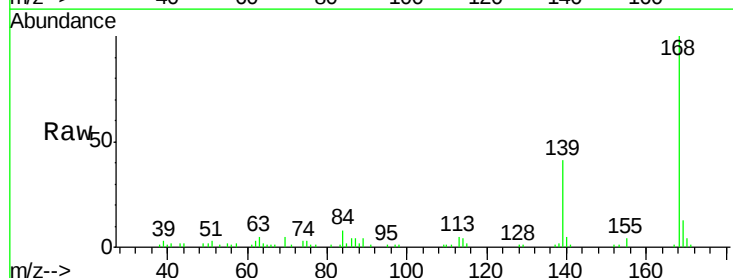
RT: 11.02 min Scan# 860

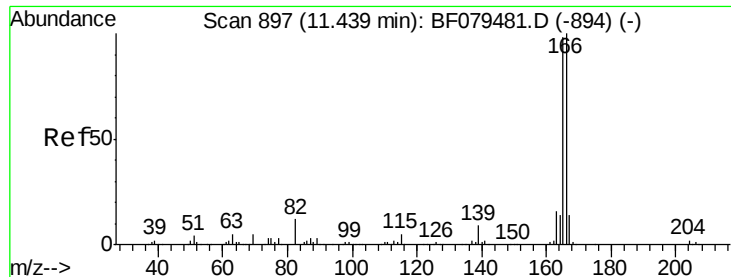
Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Tgt Ion:	168	Resp:	41650
Ion	Ratio	Lower	Upper
168	100		
139	40.7	32.9	49.3
169	13.5	11.1	16.7





#57

Fluorene

Concen: 5.63 ng

RT: 11.44 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

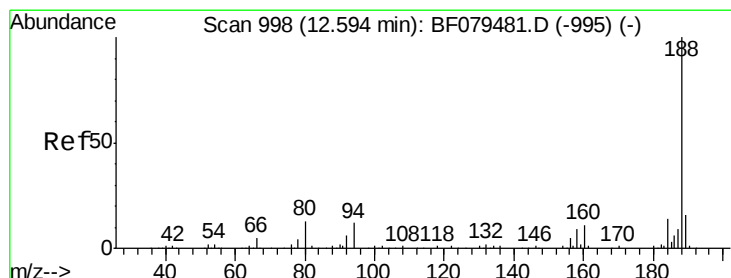
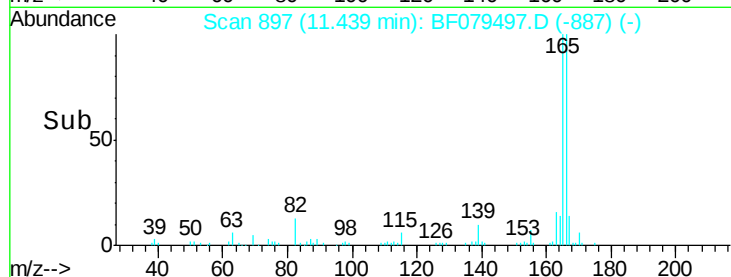
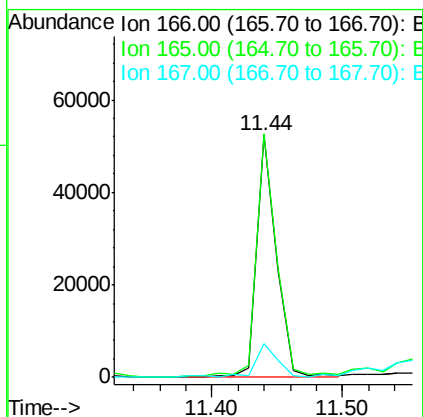
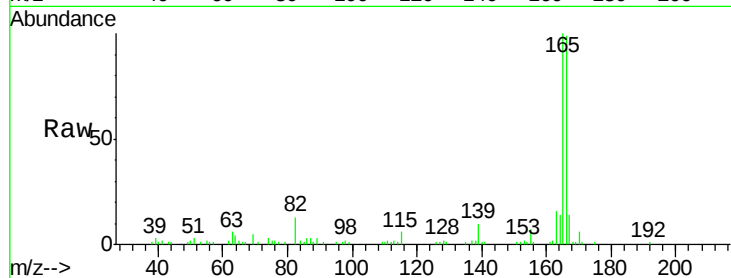
ClientSampleId :

SB-32D

Tot Ion:	166	Resp:	55579
Ion Ratio	Lower	Upper	
166	100		
165	100.6	78.6	117.8
167	13.8	10.8	16.2

Manual Integrations
APPROVED

apatel
5/27/2015 2:01:54 PM



#63

Phenanthrene-d10

Concen: 20.00 ng

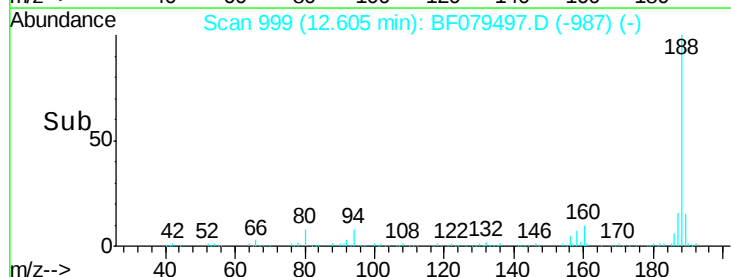
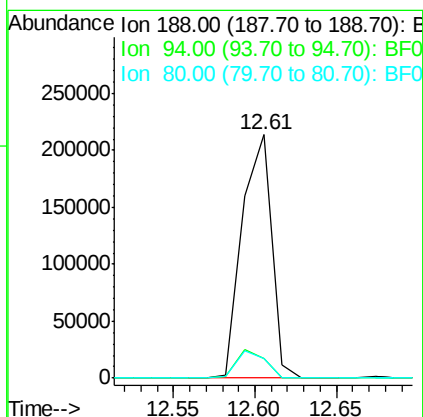
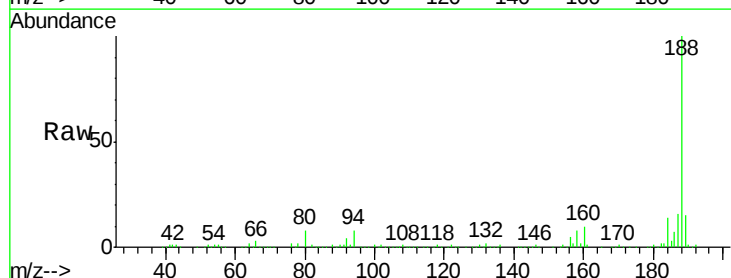
RT: 12.61 min Scan# 999

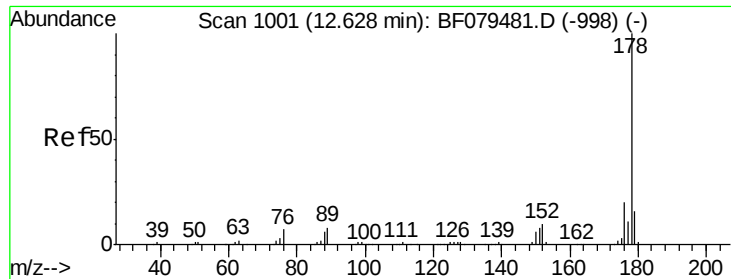
Delta R.T. 0.01 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Tgt Ion:	188	Resp:	266964
Ion Ratio	Lower	Upper	
188	100		
94	8.0	9.8	14.6#
80	8.2	10.5	15.7#





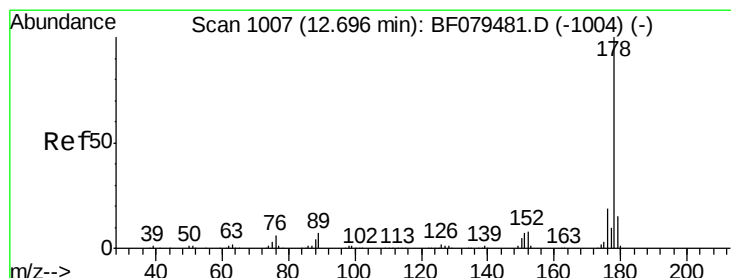
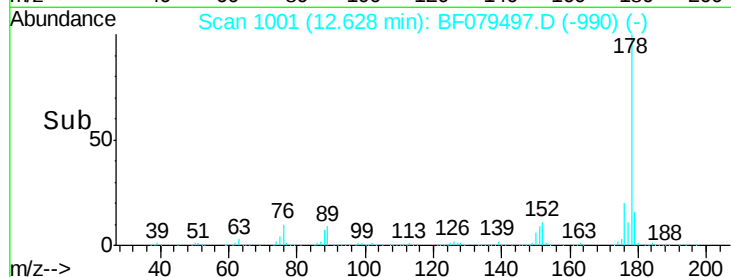
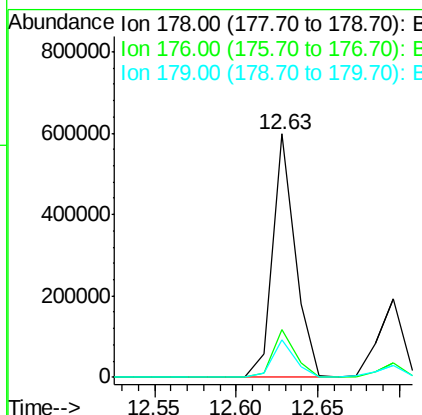
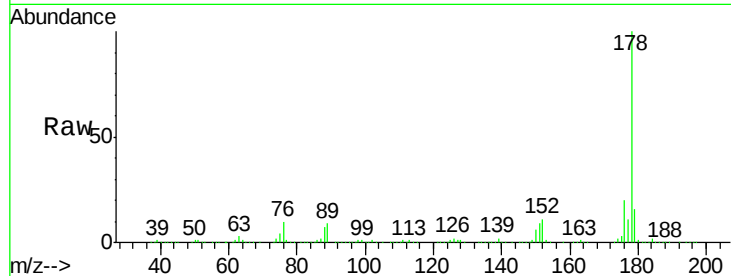
#70
Phenanthrene
Concen: 39.61 ng
RT: 12.63 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF079497.D
Acq: 27 May 2015 2:23

Instrument :
BNA_F
ClientSampleId :
SB-32D

Tot Ion	Ratio	Resp	Lower	Upper
178	100	580125		
176	19.9		15.7	23.5
179	15.6		12.4	18.6

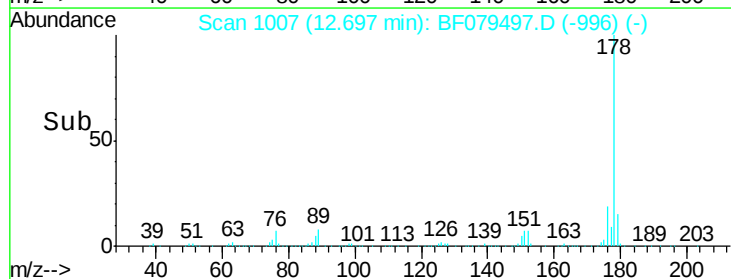
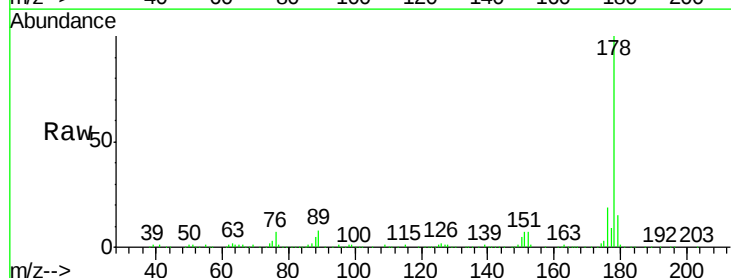
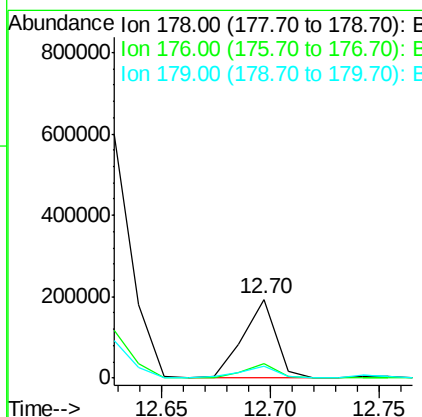
Manual Integrations
APPROVED

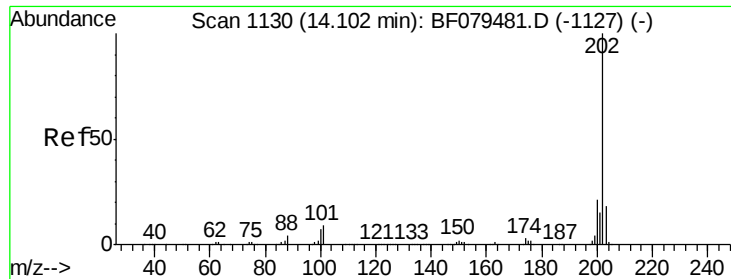
apatel
5/27/2015 2:01:54 PM



#71
Anthracene
Concen: 13.46 ng
RT: 12.70 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF079497.D
Acq: 27 May 2015 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	200193		
176	18.9		15.3	22.9
179	15.2		12.2	18.4





#74

Fluoranthene

Concen: 46.55 ng

RT: 14.10 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

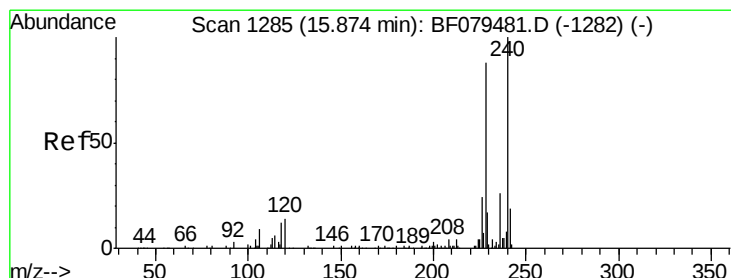
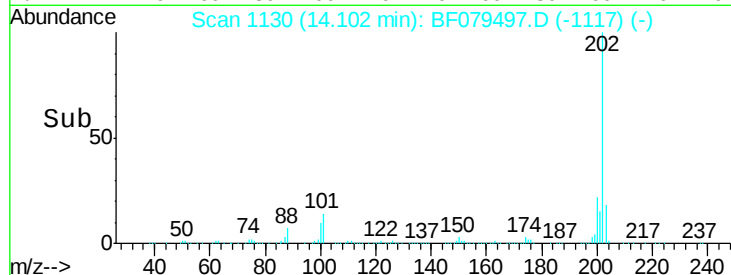
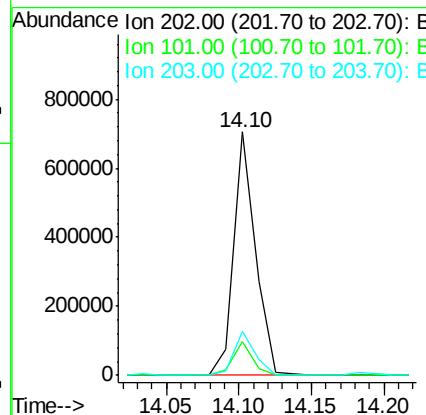
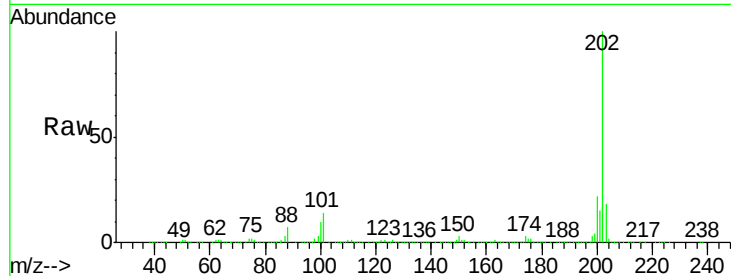
ClientSampleId :

SB-32D

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.1	0.0	29.3
203	18.0	0.0	37.6

Manual Integrations
APPROVED

apatel
5/27/2015 2:01:54 PM



#75

Chrysene-d12

Concen: 20.00 ng

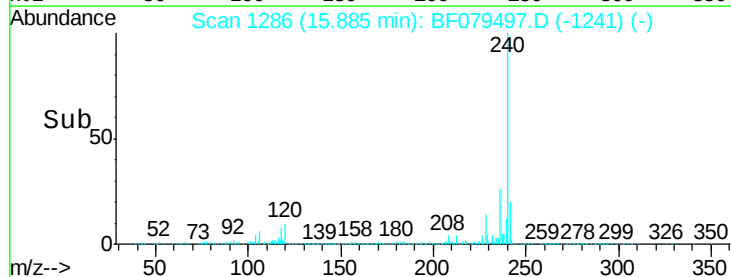
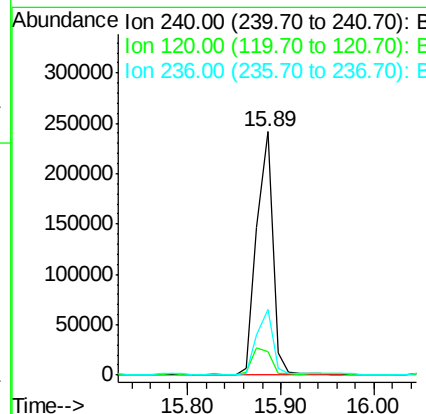
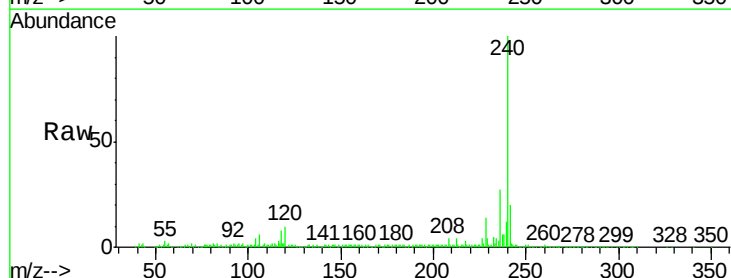
RT: 15.89 min Scan# 1286

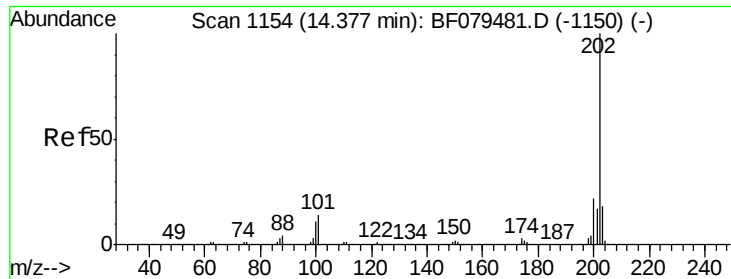
Delta R.T. 0.01 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.8	10.8	16.2#
236	26.9	21.0	31.6





#77

Pvrene

Concen: 36.78 ng

RT: 14.38 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

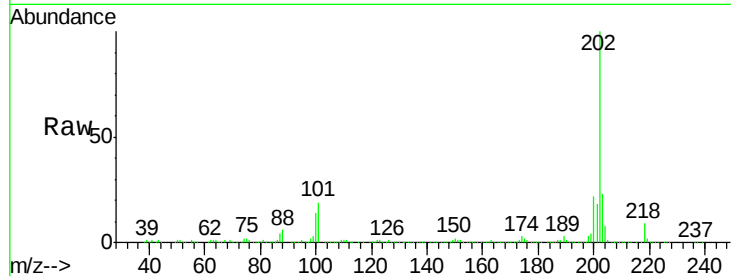
ClientSampleId :

SB-32D

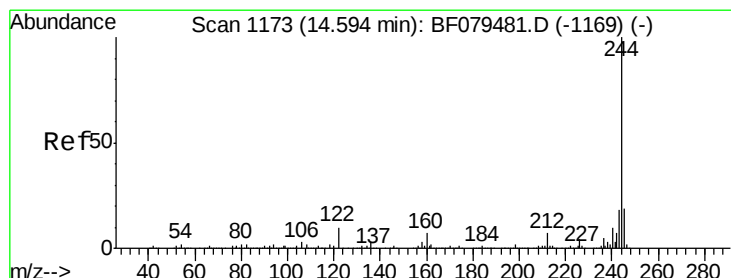
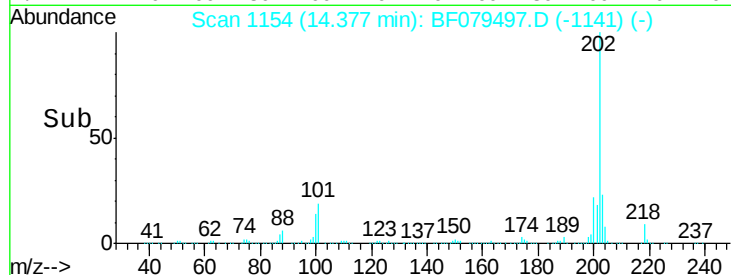
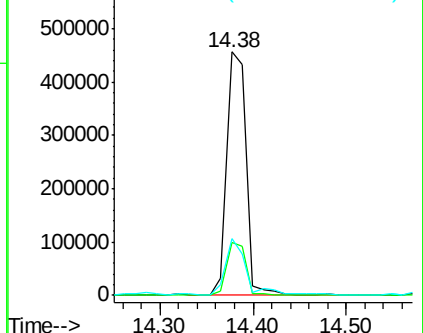
Tot Ion:	202	Resp:	657123
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.5	26.3
203	23.2	14.4	21.6#

Manual Integrations
APPROVED

apatel
5/27/2015 2:01:54 PM



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: 11.64 ng

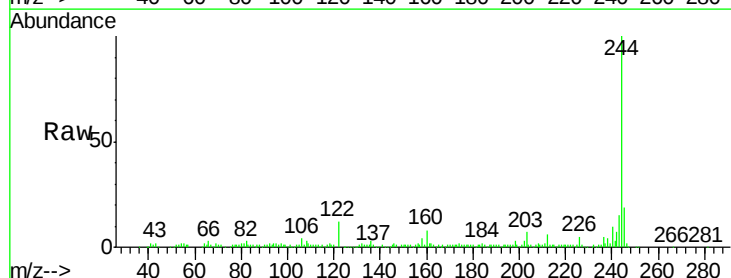
RT: 14.59 min Scan# 1173

Delta R.T. 0.00 min

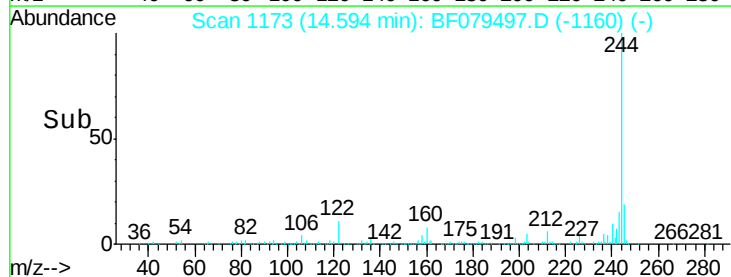
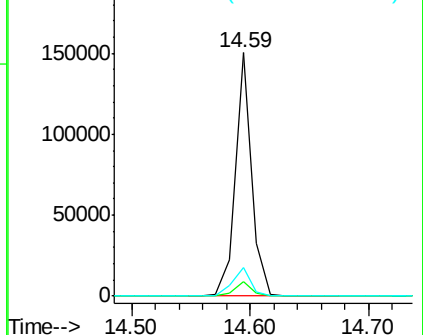
Lab File: BF079497.D

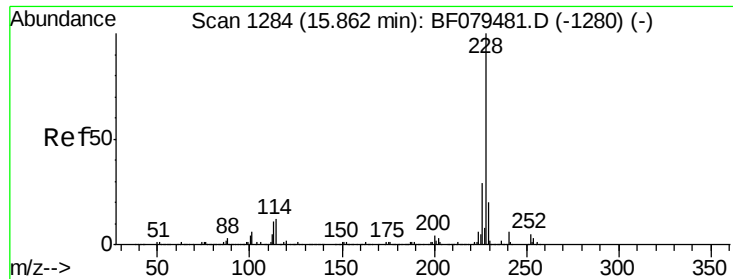
Acq: 27 May 2015 2:23

Tgt Ion:	244	Resp:	143039
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.2	7.8
122	11.5	8.0	12.0



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





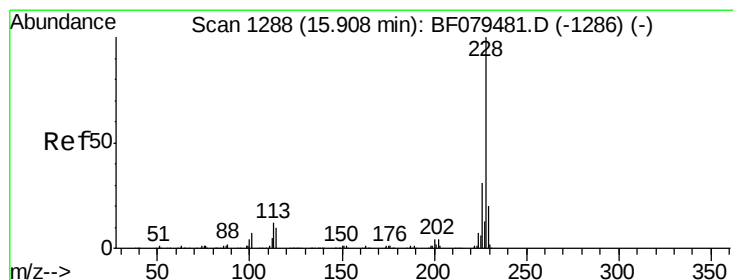
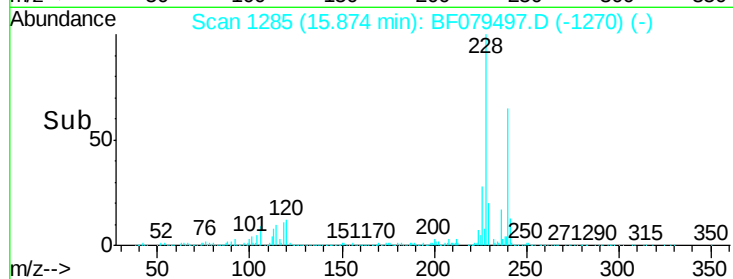
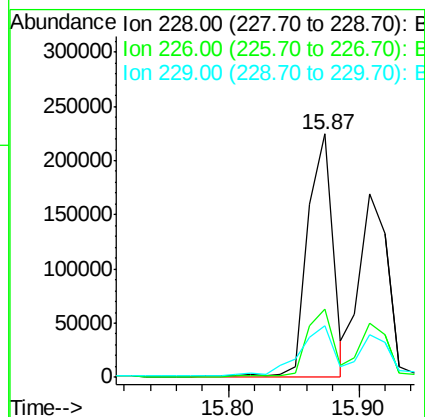
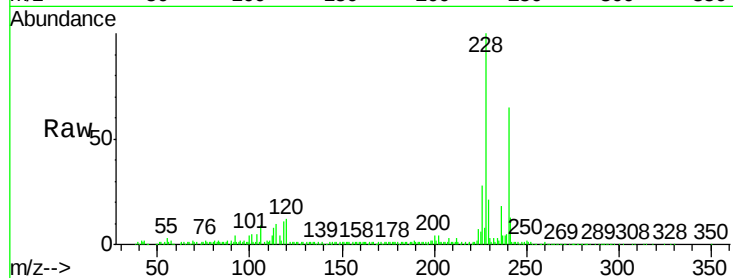
#80
Benzo(a)anthracene
Concen: 17.88 ng
RT: 15.87 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BF079497.D
Acq: 27 May 2015 2:23

Instrument :
BNA_F
ClientSampleId :
SB-32D

Tot Ion	Ratio	Resp	Lower	Upper
228	100	296650		
226	28.2		22.8	34.2
229	21.1		15.9	23.9

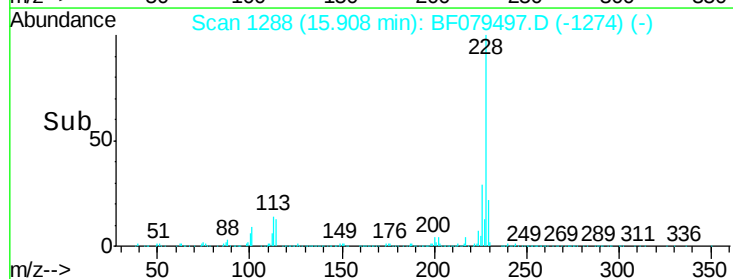
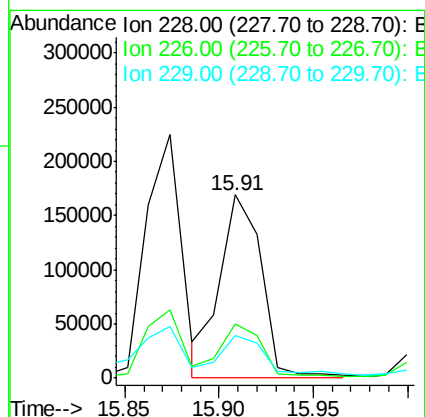
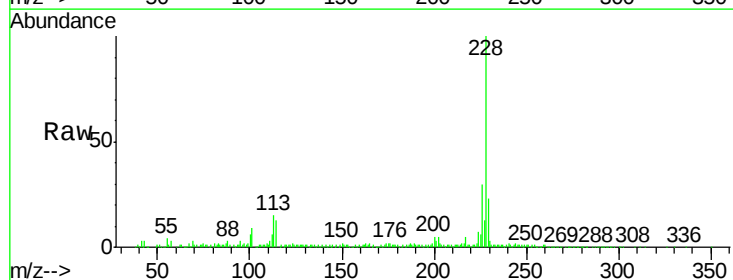
Manual Integrations
APPROVED

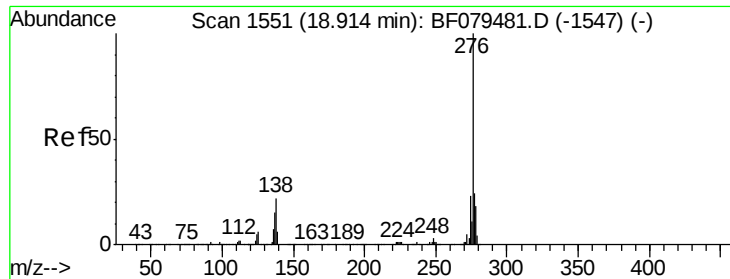
apatel
5/27/2015 2:01:54 PM



#82
Chrysene
Concen: 16.53 ng m
RT: 15.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BF079497.D
Acq: 27 May 2015 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	260611		
226	29.6		25.0	37.4
229	23.0		15.9	23.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.90 ng

RT: 18.93 min Scan# 1552

Delta R.T. 0.01 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

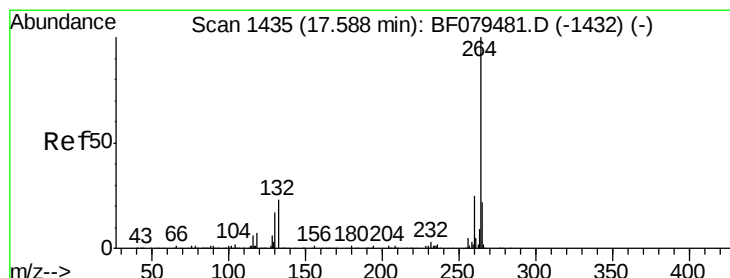
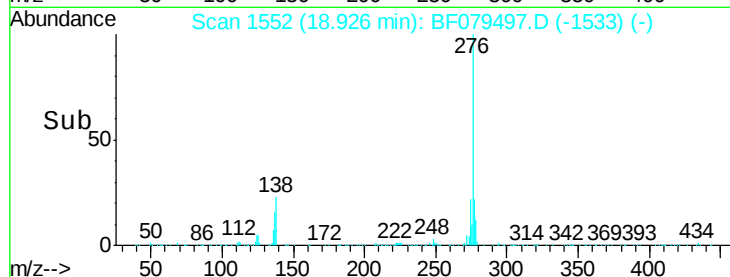
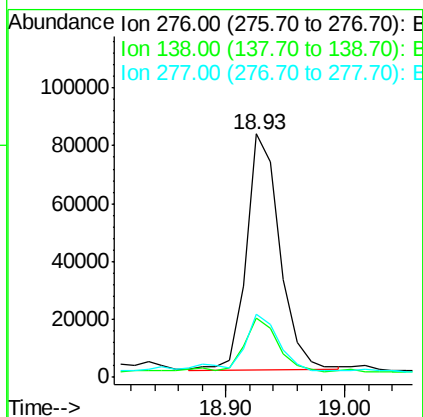
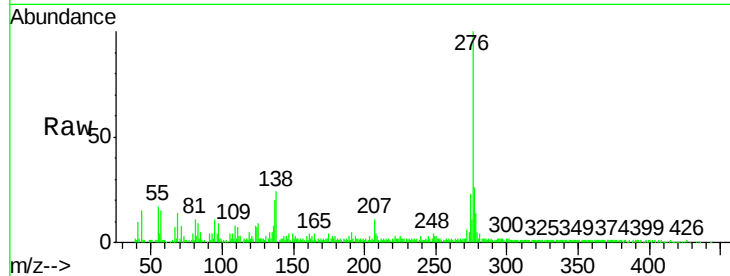
ClientSampled :

SB-32D

Tot Ion:	276	Resp:	160261
Ion Ratio	Lower	Upper	
276	100		
138	25.0	21.4	32.2
277	29.1	19.8	29.6

Manual Integrations
APPROVED

apatel
5/27/2015 2:01:54 PM



#86

Perylene-d12

Concen: 20.00 ng

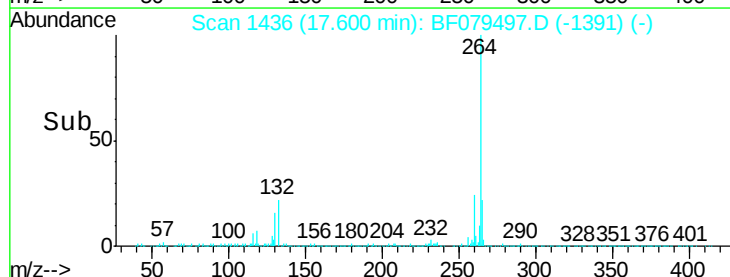
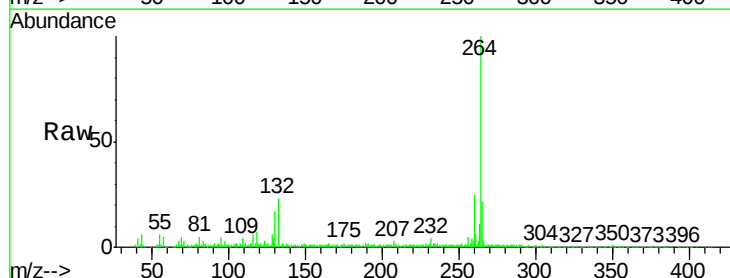
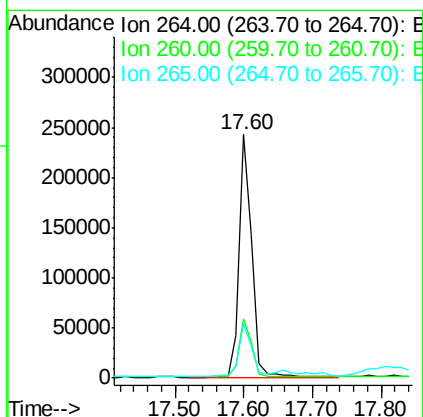
RT: 17.60 min Scan# 1436

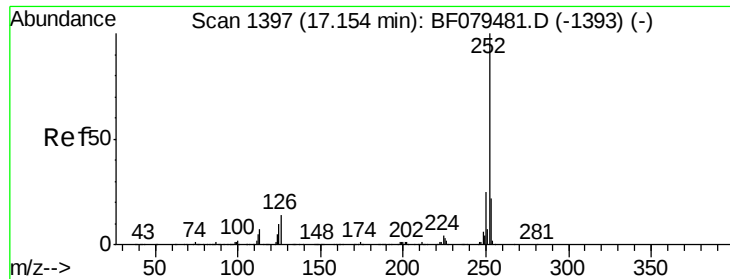
Delta R.T. 0.01 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Tgt Ion:	264	Resp:	315004
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.8	29.8
265	22.3	17.8	26.6





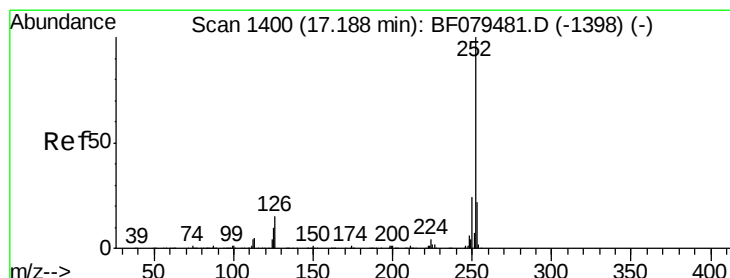
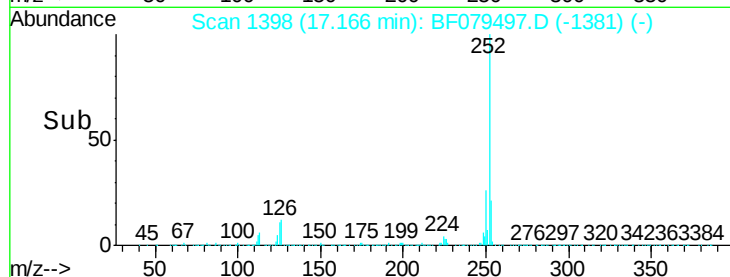
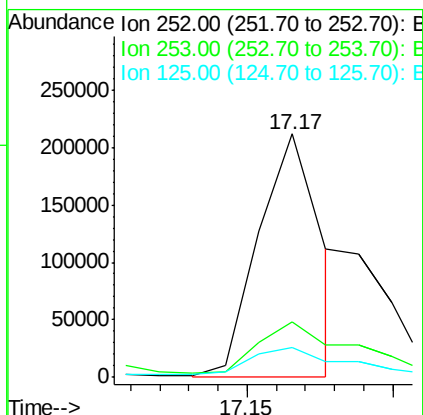
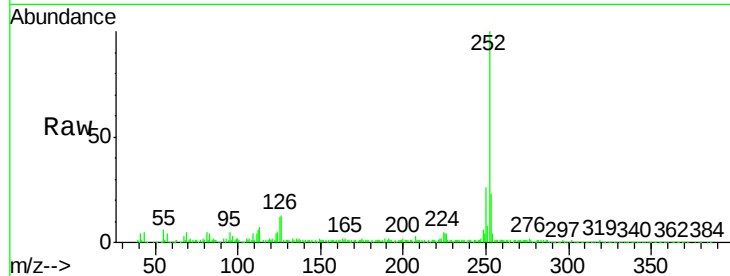
#87
Benzo(b)fluoranthene
Concen: 17.59 ng m
RT: 17.17 min Scan# 1398
Delta R.T. 0.01 min
Lab File: BF079497.D
Acq: 27 May 2015 2:23

Instrument :
BNA_F
ClientSampleId :
SB-32D

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.8	17.6	26.4
125	12.2	7.8	11.6

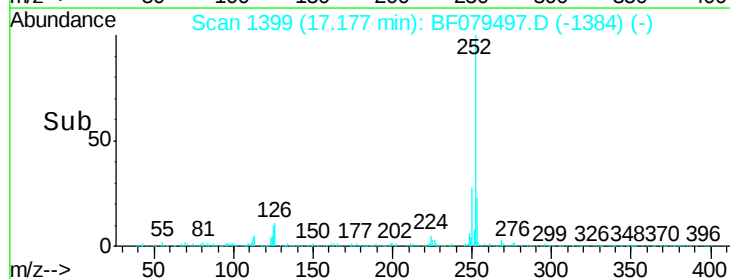
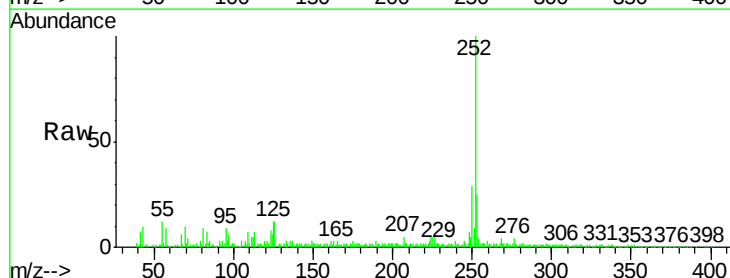
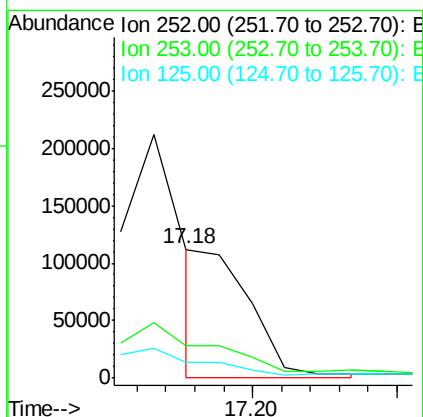
Manual Integrations
APPROVED

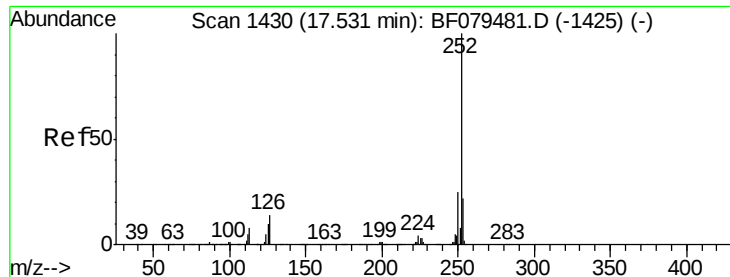
apatel
5/27/2015 2:01:54 PM



#88
Benzo(k)fluoranthene
Concen: 8.11 ng m
RT: 17.18 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BF079497.D
Acq: 27 May 2015 2:23

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.0	17.2	25.8
125	12.5	6.8	10.2





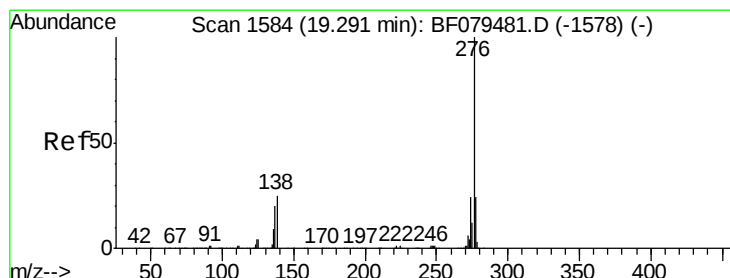
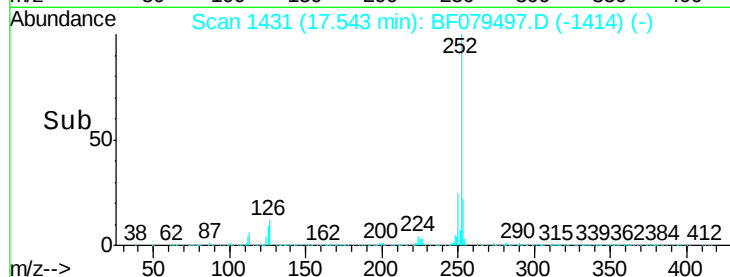
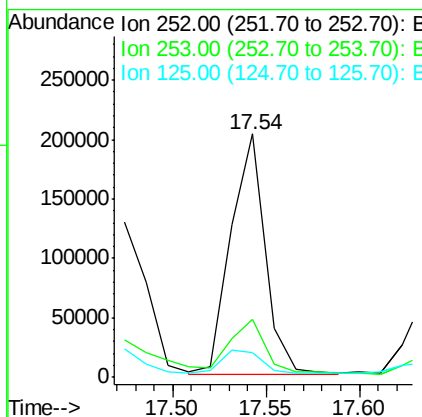
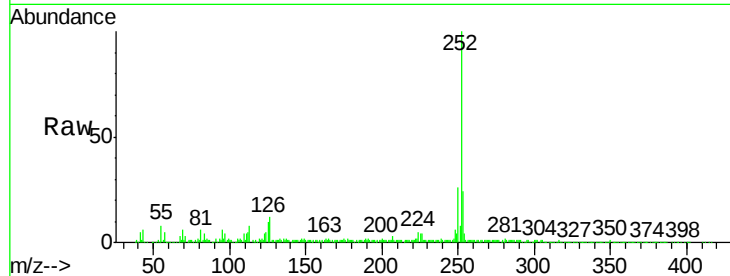
#89
Benzo(a)pyrene
Concen: 15.39 ng
RT: 17.54 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BF079497.D
Acq: 27 May 2015 2:23

Instrument :
BNA_F
ClientSampleId :
SB-32D

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	10.4	7.9	11.9

Manual Integrations
APPROVED

apatel
5/27/2015 2:01:54 PM



#91
Benzo(g,h,i)perylene
Concen: 7.72 ng
RT: 19.31 min Scan# 1586
Delta R.T. 0.02 min
Lab File: BF079497.D
Acq: 27 May 2015 2:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.1	28.7
138	25.0	20.1	30.1

