

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086434.D
 Acq On : 27 Apr 2016 20:04
 Operator : UM/SJ
 Sample : H2724-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TH-B2(0-5)-C

Manual Integrations
 APPROVED

sohil
 4/28/2016 1:40:17 PM

Quant Time: Apr 28 01:38:45 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	121004	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	510195	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	209667	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	338642	20.00	ng	0.00
75) Chrysene-d12	13.95	240	263243	20.00	ng	-0.01
86) Perylene-d12	15.37	264	257743	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	541816	77.23	ng	0.00
7) Phenol-d6	6.44	99	788313	80.51	ng	0.00
23) Nitrobenzene-d5	7.37	82	503012	53.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	132696	60.01	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	772618	60.05	ng	-0.01
78) Terphenyl-d14	12.91	244	477451	39.96	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	108124	6.85	ng	100
70) Phenanthrene	11.34	178	109923	6.19	ng	99
74) Fluoranthene	12.53	202	136322	7.60	ng	92
77) Pyrene	12.75	202	119568	6.30	ng	95
80) Benzo(a)anthracene	13.94	228	72846	5.19	ng	96
82) Chrysene	13.97	228	62024m	4.07	ng	
85) Indeno(1,2,3-cd)pyrene	16.72	276	35644	3.15	ng	# 88
87) Benzo(b)fluoranthene	14.97	252	97470m	6.43	ng	
88) Benzo(k)fluoranthene	14.98	252	38073m	2.41	ng	
89) Benzo(a)pyrene	15.30	252	63533	4.44	ng	# 91
91) Benzo(g,h,i)perylene	17.13	276	32872	2.80	ng	95

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

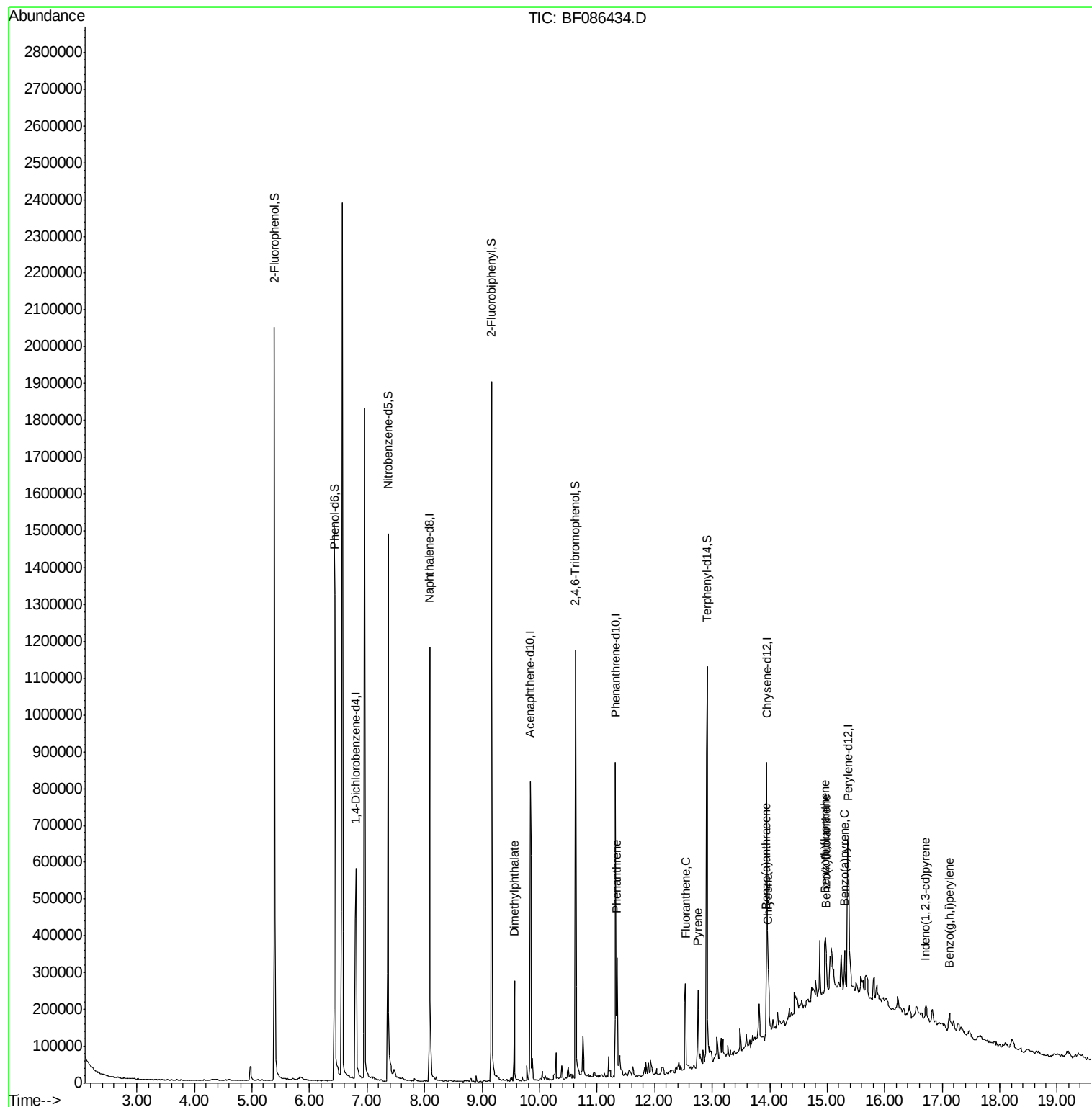
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
Data File : BF086434.D
Acq On : 27 Apr 2016 20:04
Operator : UM/SJ
Sample : H2724-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

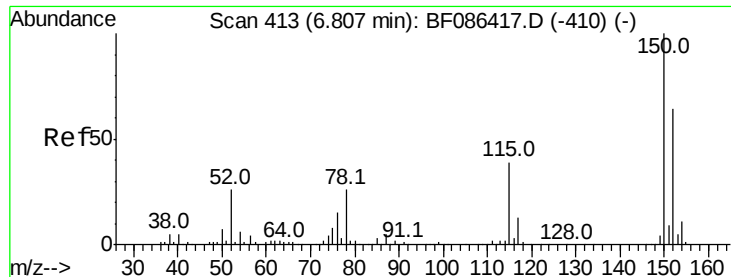
Instrument :
BNA_F
ClientSampleId :
TH-B2(0-5)-C

Manual Integrations
APPROVED

sohil
4/28/2016 1:40:17 PM

Quant Time: Apr 28 01:38:45 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 27 14:20:52 2016
Response via : Initial Calibration





#1

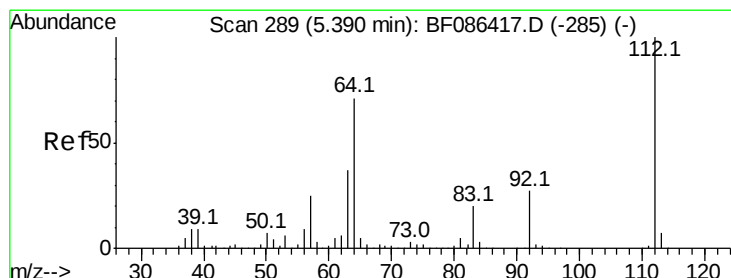
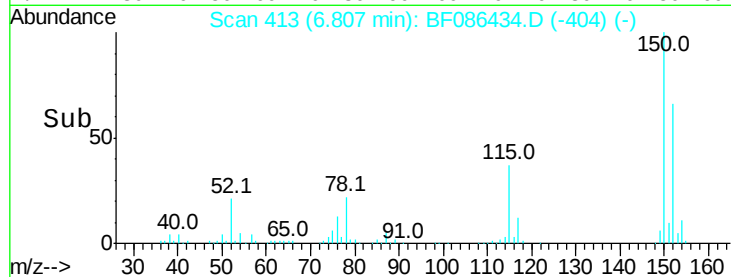
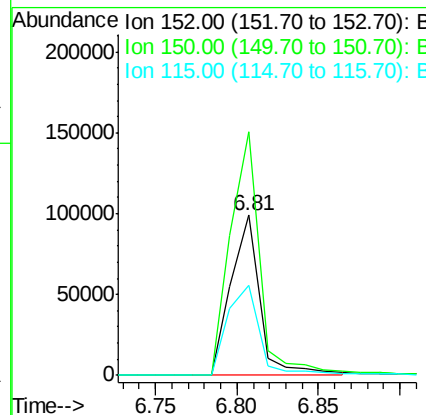
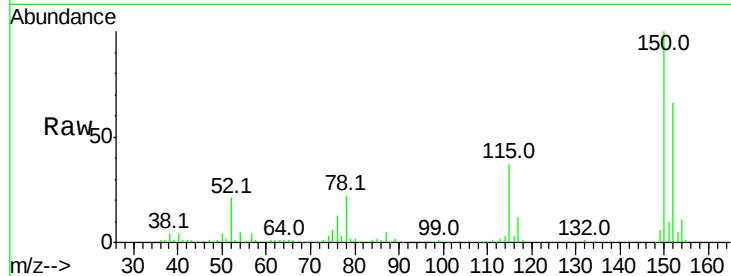
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF086434.D
Acq: 27 Apr 2016 20:04

Instrument :
BNA_F
ClientSampleId :
TH-B2(0-5)-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	125.8	188.6
115	56.1	51.5	77.3

Manual Integrations
APPROVED

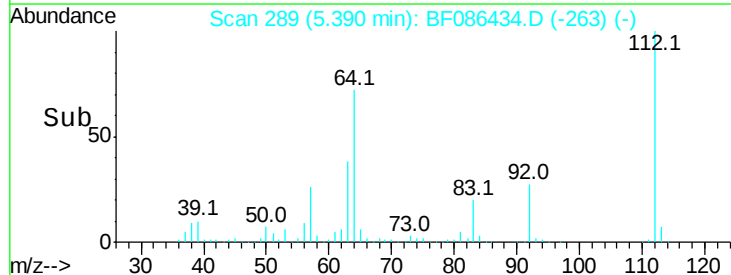
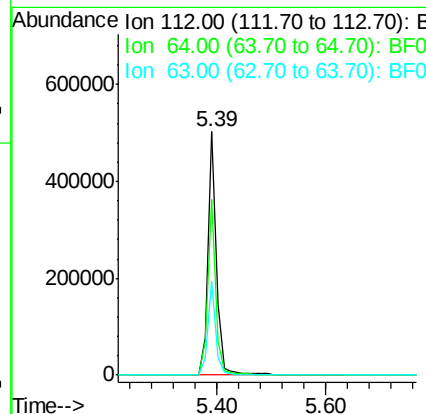
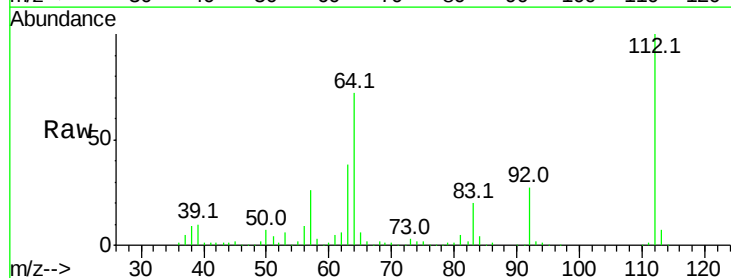
sohil
4/28/2016 1:40:17 PM



#5

2-Fluorophenol
Concen: 77.23 ng
RT: 5.39 min Scan# 289
Delta R.T. 0.00 min
Lab File: BF086434.D
Acq: 27 Apr 2016 20:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.3	52.1	78.1
63	38.4	25.7	38.5





#7

Phenol-d6

Concen: 80.51 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF086434.D

Acq: 27 Apr 2016 20:04

Instrument :

BNA_F

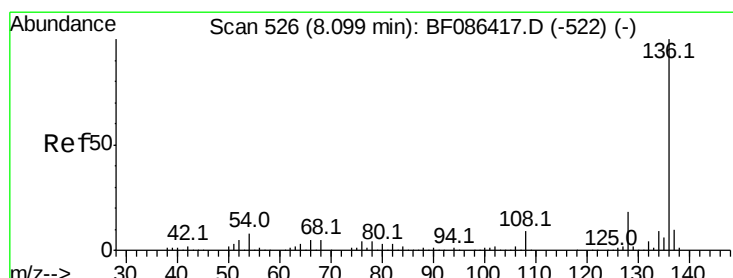
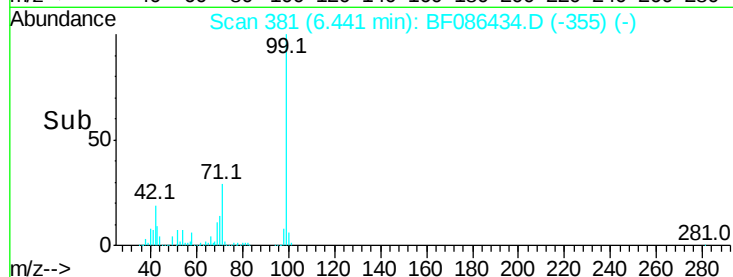
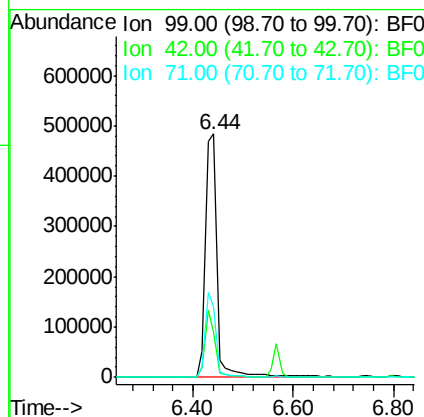
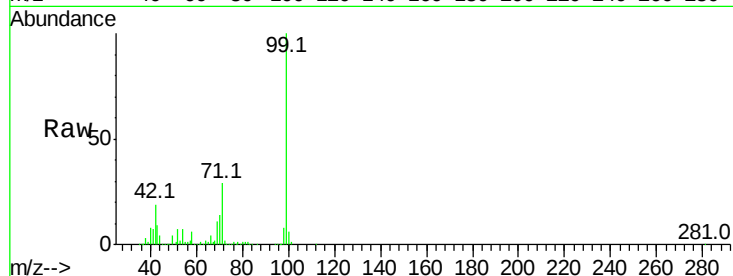
ClientSampleId :

TH-B2(0-5)-C

Tot Ion:	99	Resp:	788313
Ion Ratio	Lower	Upper	
99	100		
42	18.7	13.6	20.4
71	29.1	24.6	36.8

Manual Integrations
APPROVED

sohil
4/28/2016 1:40:17 PM



#21

Naphthalene-d8

Concen: 20.00 ng

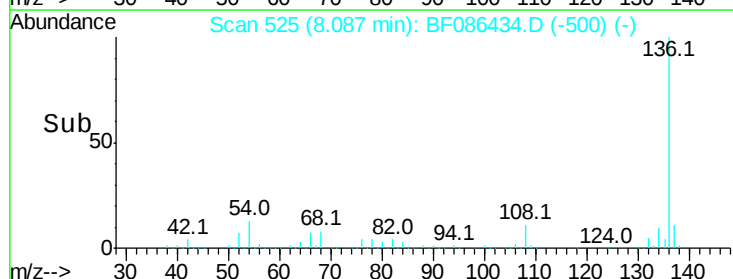
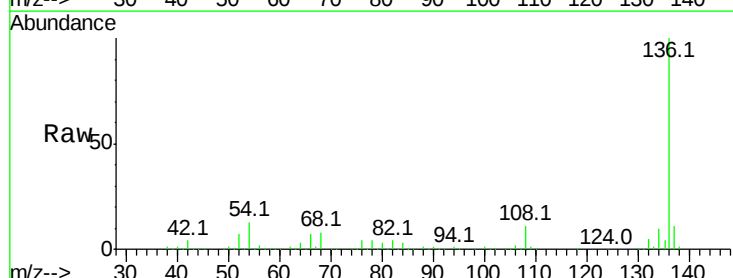
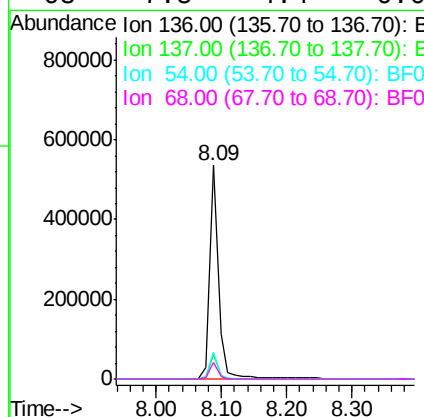
RT: 8.09 min Scan# 525

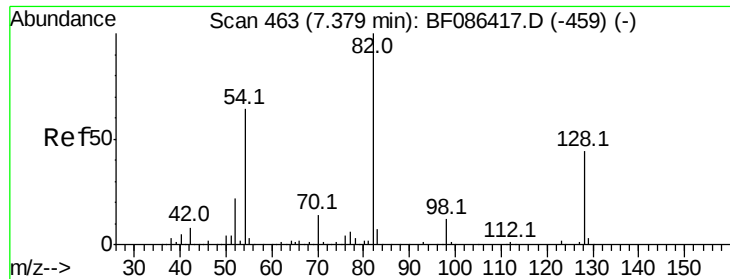
Delta R.T. -0.01 min

Lab File: BF086434.D

Acq: 27 Apr 2016 20:04

Tgt Ion:	136	Resp:	510195
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	12.8	5.0	7.4#
68	7.5	4.4	6.6#





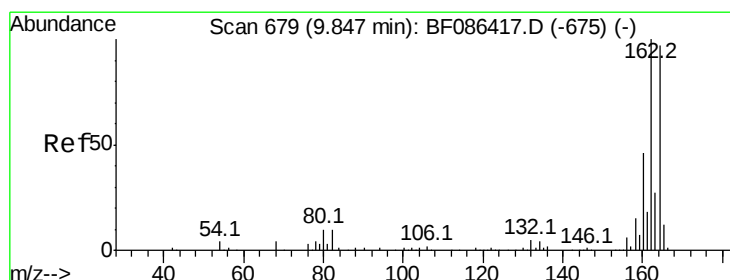
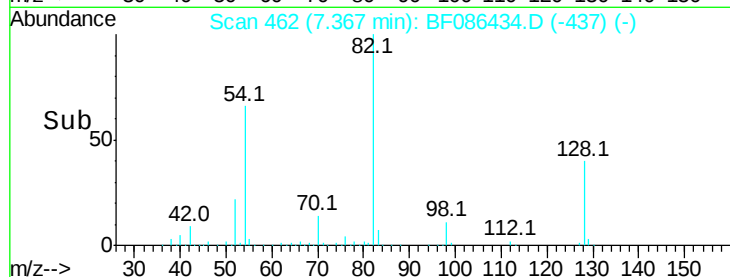
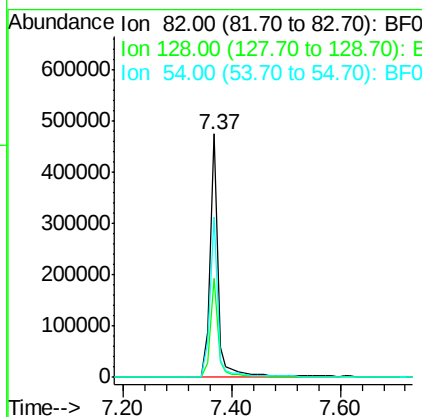
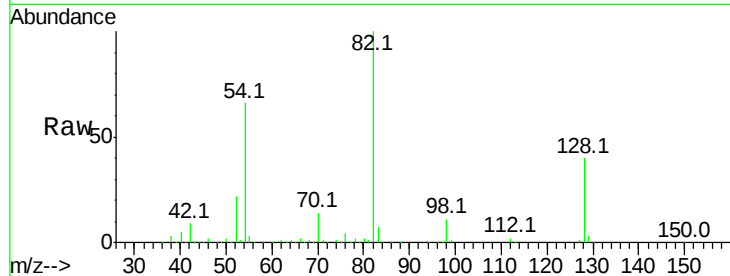
#23
 Nitrobenzene-d5
 Concen: 53.14 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF086434.D
 Acq: 27 Apr 2016 20:04

Instrument :
 BNA_F
 ClientSampleId :
 TH-B2(0-5)-C

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.5	40.6	61.0#	
54	65.8	38.1	57.1#	

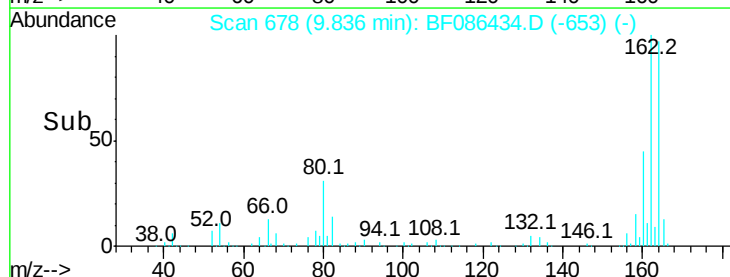
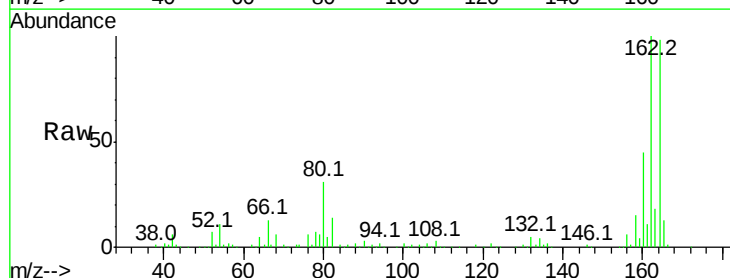
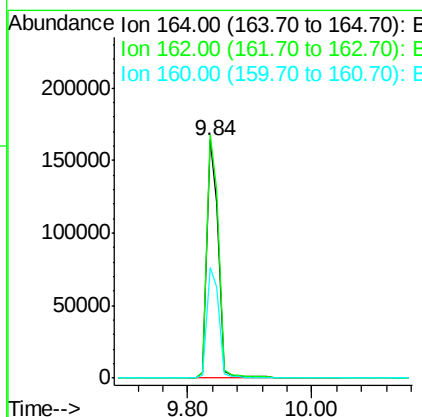
Manual Integrations
 APPROVED

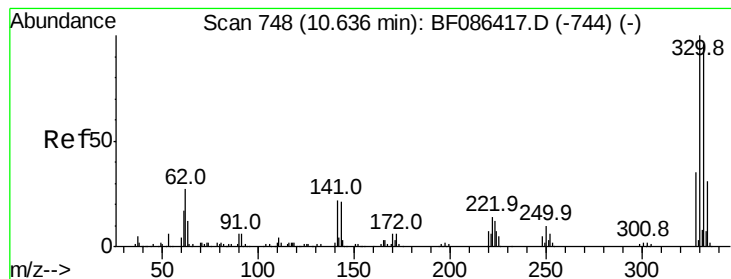
sohil
 4/28/2016 1:40:17 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: BF086434.D
 Acq: 27 Apr 2016 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.3	82.8	124.2	
160	46.5	36.9	55.3	





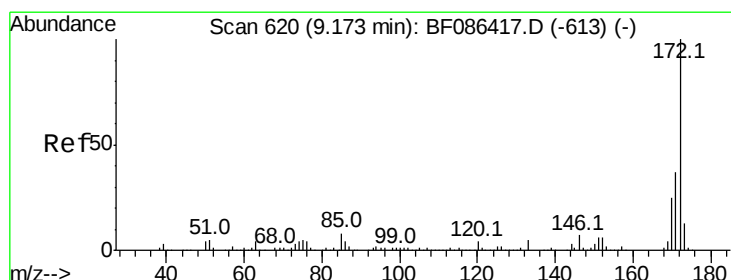
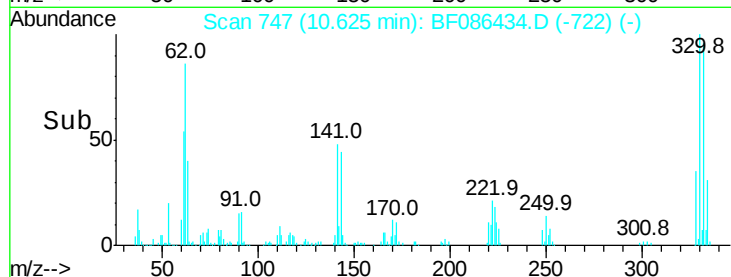
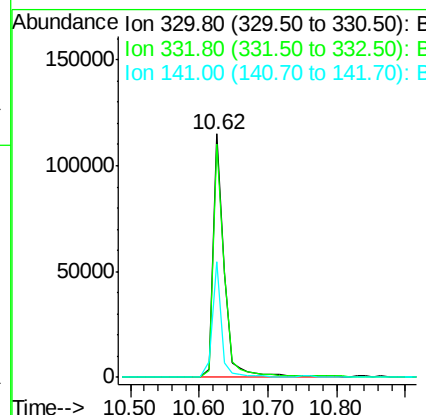
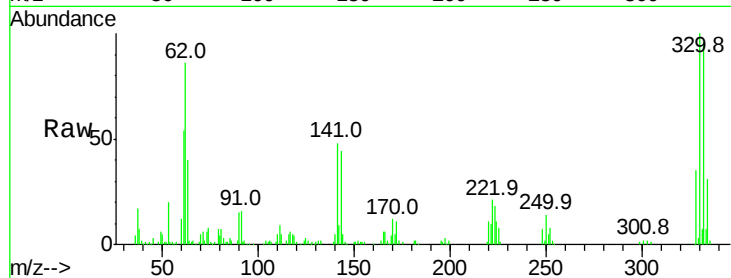
#41
 2,4,6-Tribromophenol
 Concen: 60.01 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF086434.D
 Acq: 27 Apr 2016 20:04

Instrument :
 BNA_F
 ClientSampleId :
 TH-B2(0-5)-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.6	79.0	118.4	
141	39.5	31.2	46.8	

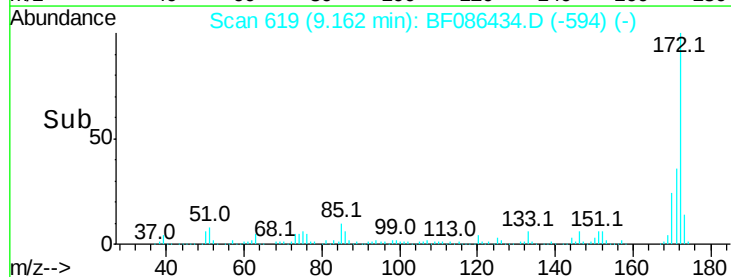
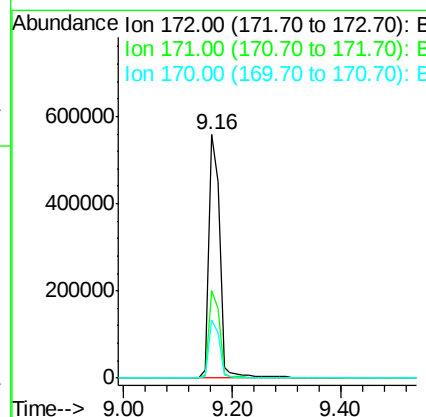
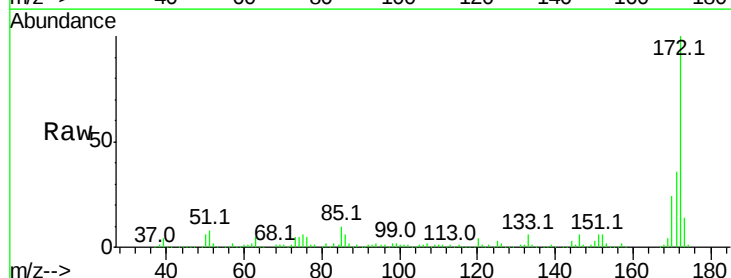
Manual Integrations
 APPROVED

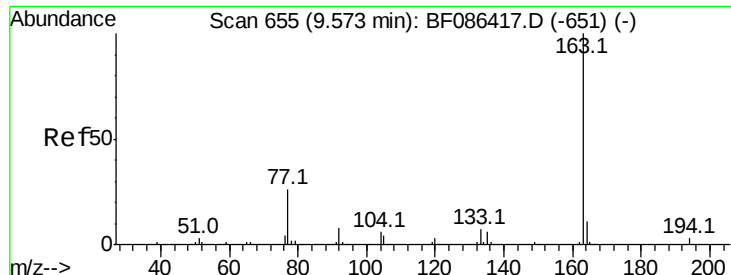
sohil
 4/28/2016 1:40:17 PM



#44
 2-Fluorobiphenyl
 Concen: 60.05 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF086434.D
 Acq: 27 Apr 2016 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.0	43.6	
170	24.1	19.8	29.8	





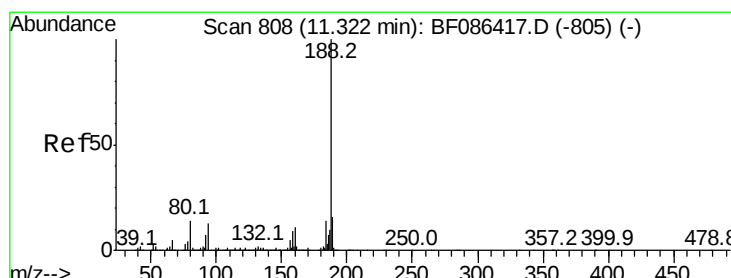
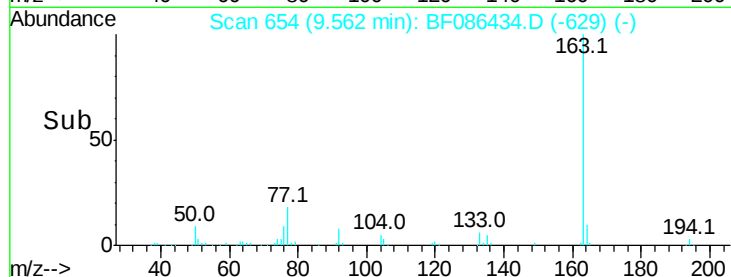
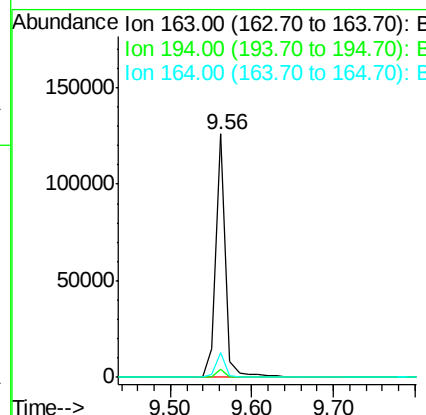
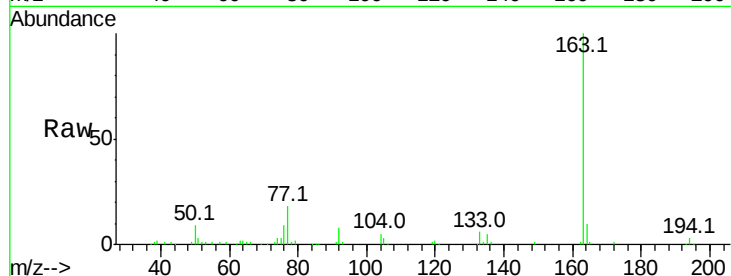
#49
Dimethylphthalate
Concen: 6.85 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF086434.D
Acq: 27 Apr 2016 20:04

Instrument :
BNA_F
ClientSampleId :
TH-B2(0-5)-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.2	2.6	4.0	
164	10.4	8.2	12.4	

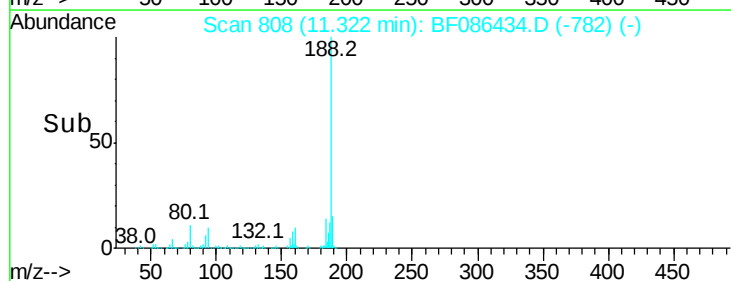
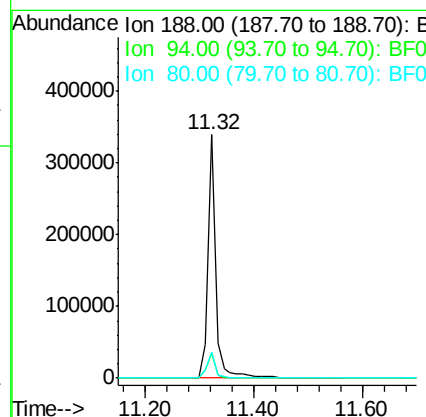
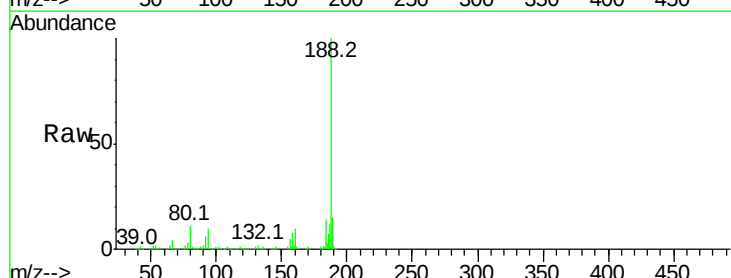
Manual Integrations
APPROVED

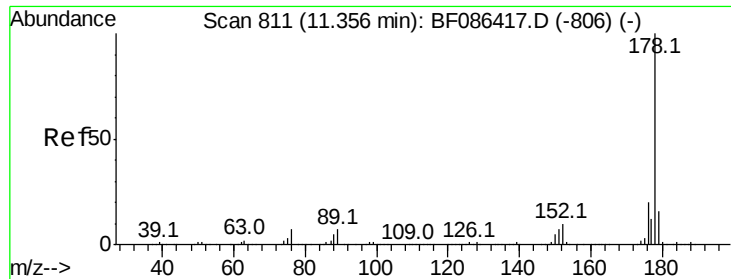
sohil
4/28/2016 1:40:17 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF086434.D
Acq: 27 Apr 2016 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.2	6.8	10.2	
80	10.7	7.1	10.7#	





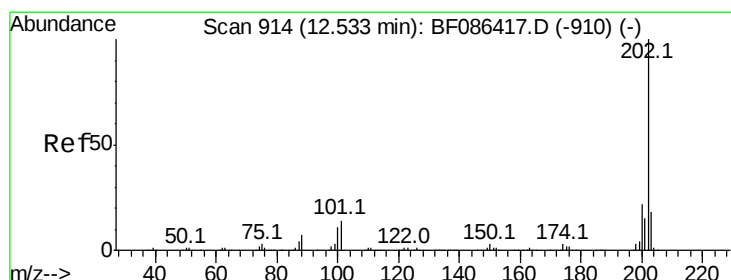
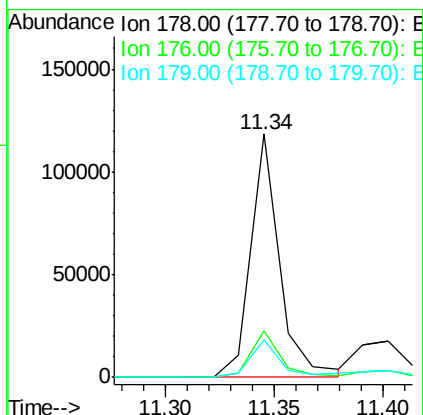
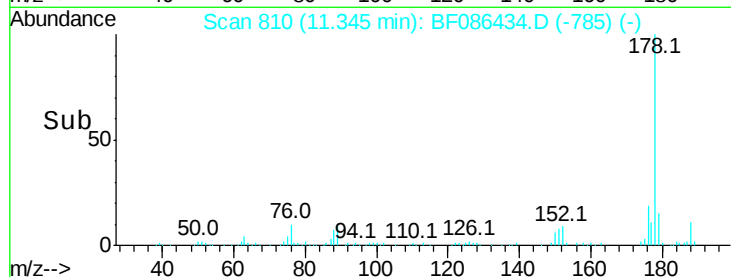
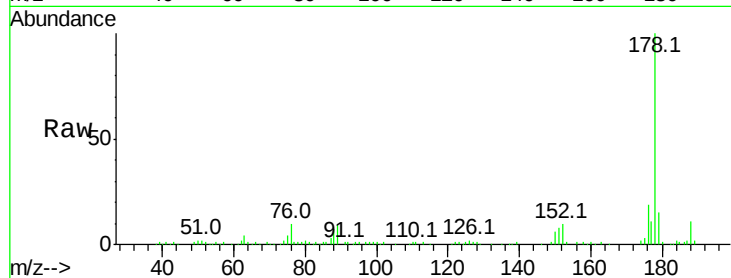
#70
Phenanthrene
Concen: 6.19 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF086434.D
Acq: 27 Apr 2016 20:04

Instrument :
BNA_F
ClientSampleId :
TH-B2(0-5)-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.0	24.0
179	15.3	12.6	18.8

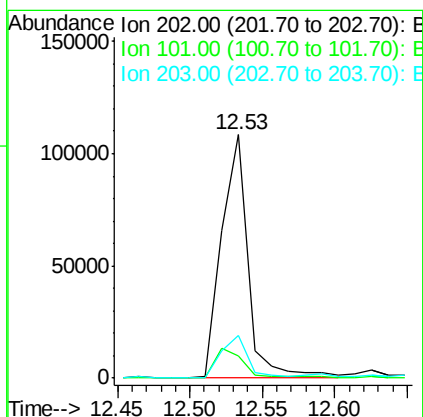
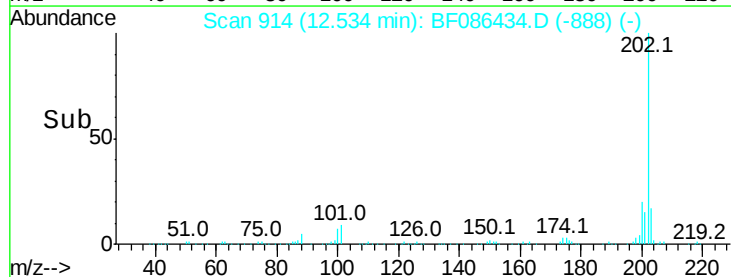
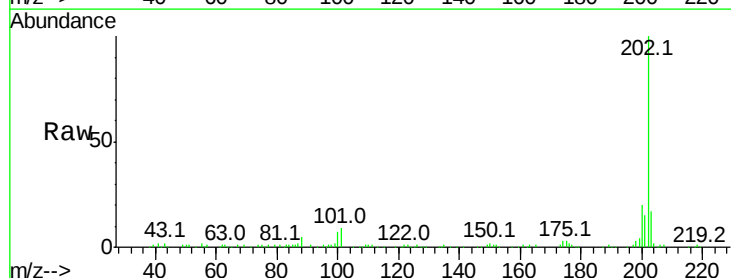
Manual Integrations
APPROVED

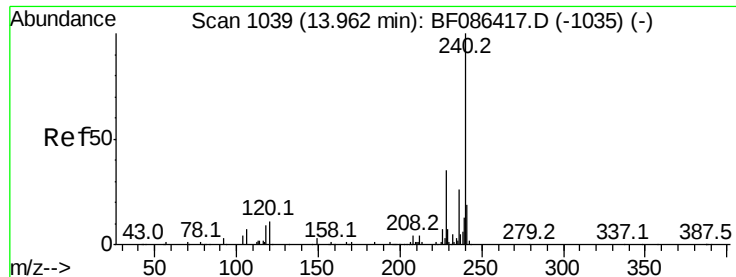
sohil
4/28/2016 1:40:17 PM



#74
Fluoranthene
Concen: 7.60 ng
RT: 12.53 min Scan# 914
Delta R.T. 0.00 min
Lab File: BF086434.D
Acq: 27 Apr 2016 20:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	35.4
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF086434.D

Acq: 27 Apr 2016 20:04

Instrument :

BNA_F

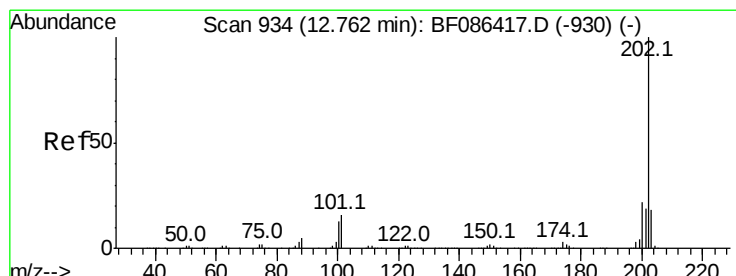
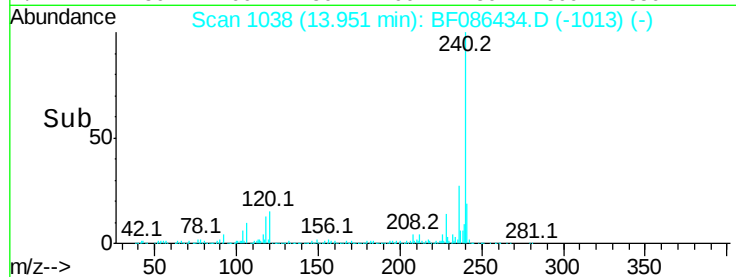
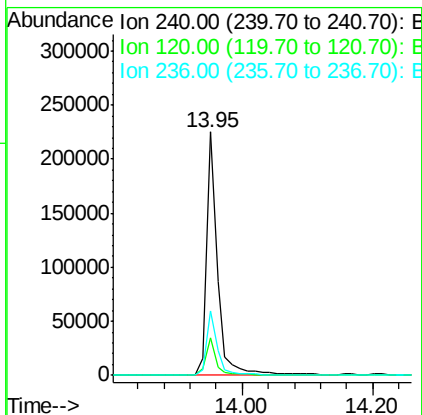
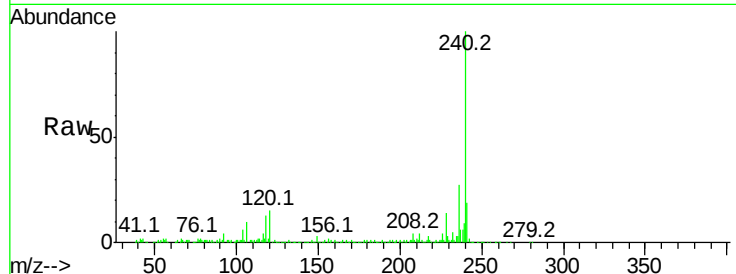
ClientSampleId :

TH-B2(0-5)-C

Tot Ion:	240	Resp:	263243
Ion Ratio	Lower	Upper	
240	100		
120	15.4	11.2	16.8
236	26.6	21.2	31.8

Manual Integrations
APPROVED

sohil
4/28/2016 1:40:17 PM



#77

Pyrene

Concen: 6.30 ng

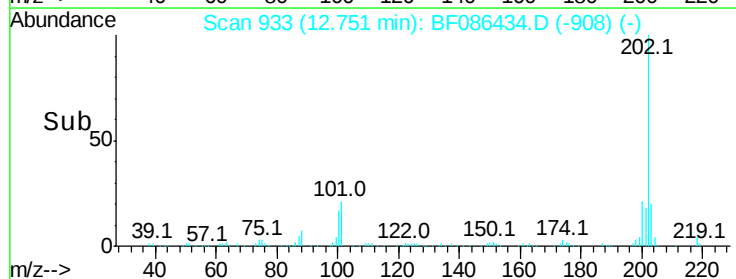
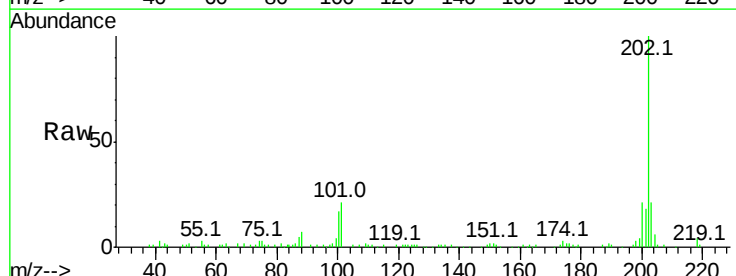
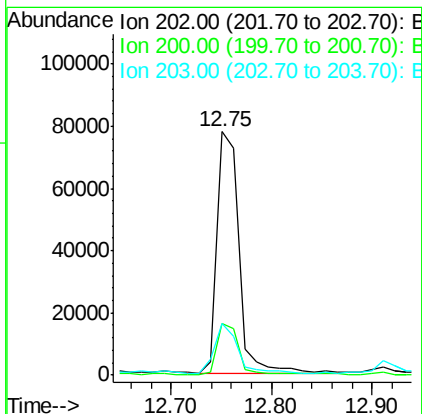
RT: 12.75 min Scan# 933

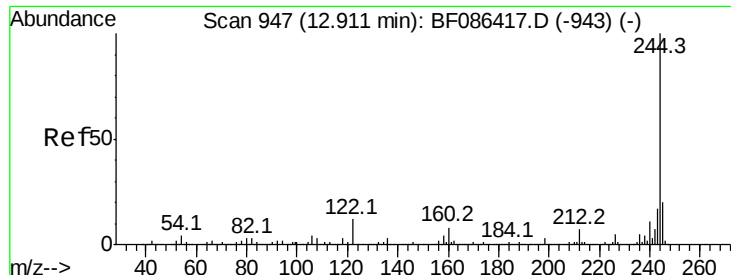
Delta R.T. -0.01 min

Lab File: BF086434.D

Acq: 27 Apr 2016 20:04

Tgt Ion:	202	Resp:	119568
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.7	26.5
203	21.1	14.2	21.4





#78

Terphenyl-d14

Concen: 39.96 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF086434.D

Acq: 27 Apr 2016 20:04

Instrument :

BNA_F

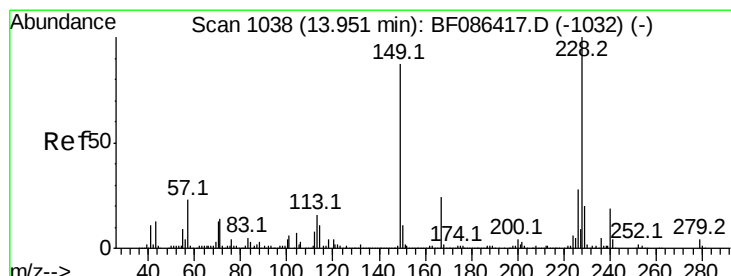
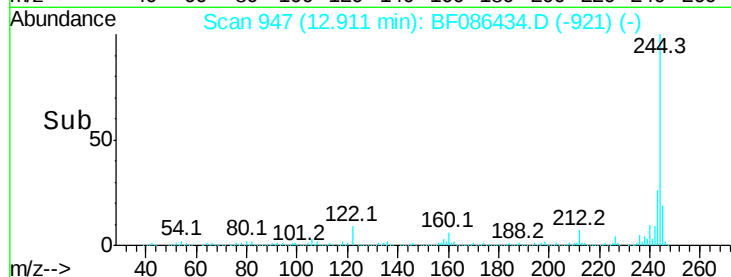
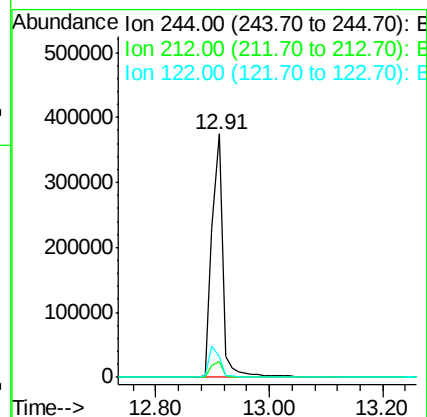
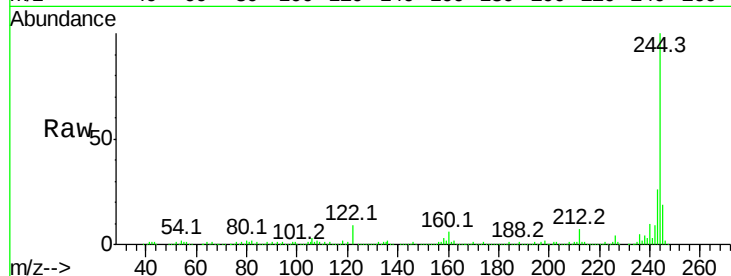
ClientSampled :

TH-B2(0-5)-C

Tot Ion:	244	Resp:	477451
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.2	9.2
122	8.6	12.0	18.0#

Manual Integrations
APPROVED

sohil
4/28/2016 1:40:17 PM



#80

Benzo(a)anthracene

Concen: 5.19 ng

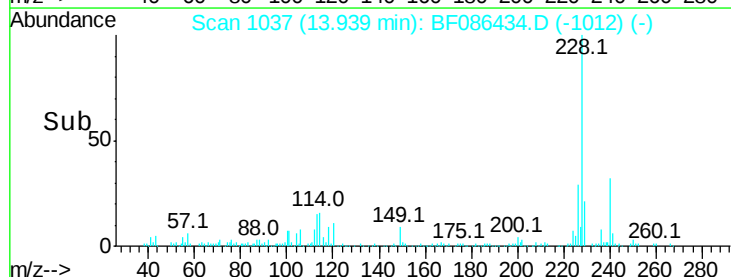
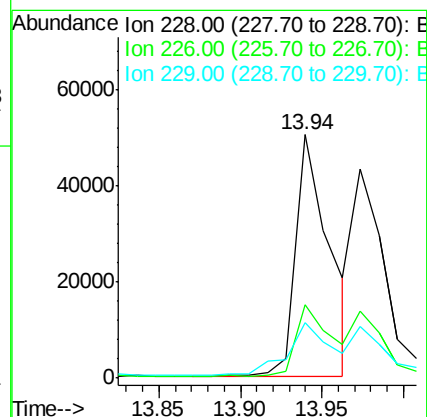
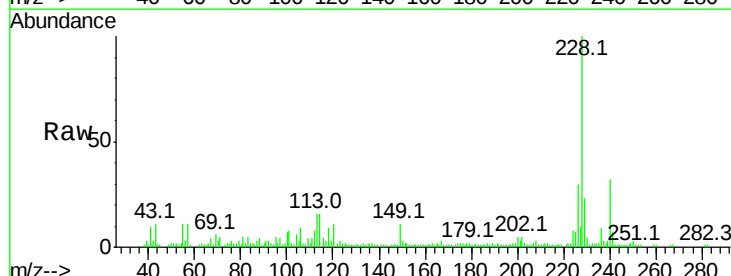
RT: 13.94 min Scan# 1037

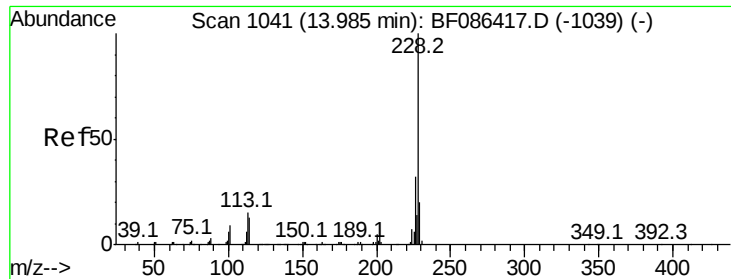
Delta R.T. -0.01 min

Lab File: BF086434.D

Acq: 27 Apr 2016 20:04

Tgt Ion:	228	Resp:	72846
Ion Ratio	Lower	Upper	
228	100		
226	30.1	22.5	33.7
229	22.6	16.6	25.0





#82

Chrysene

Concen: 4.07 ng/mL

RT: 13.97 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF086434.D

Acq: 27 Apr 2016 20:04

Instrument :

BNA_F

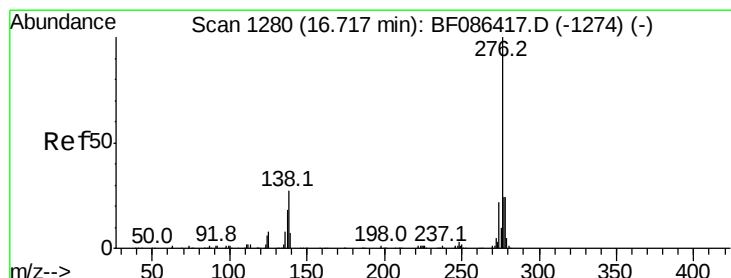
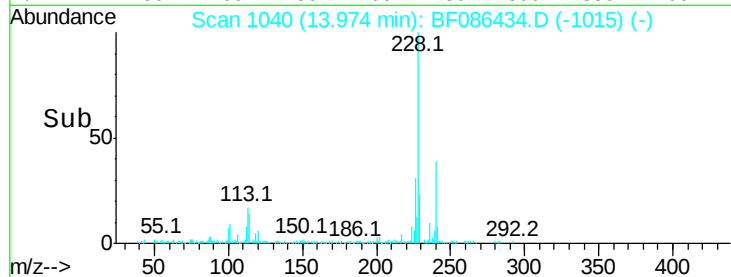
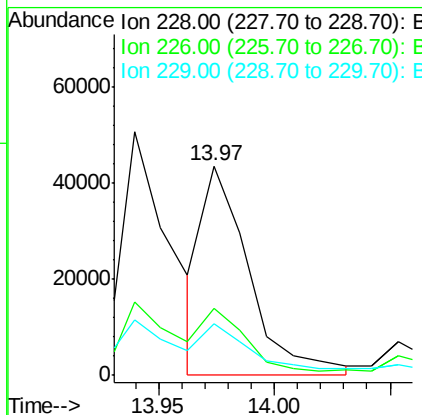
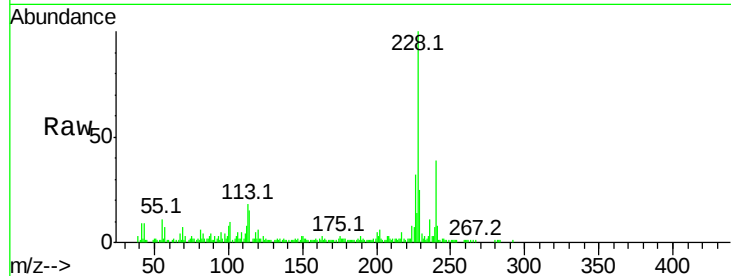
ClientSampleId :

TH-B2(0-5)-C

Tot Ion:	228	Resp:	62024
Ion Ratio	Lower	Upper	
228	100		
226	32.1	24.4	36.6
229	24.5	15.8	23.8

Manual Integrations
APPROVED

sohil
4/28/2016 1:40:17 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.15 ng/mL

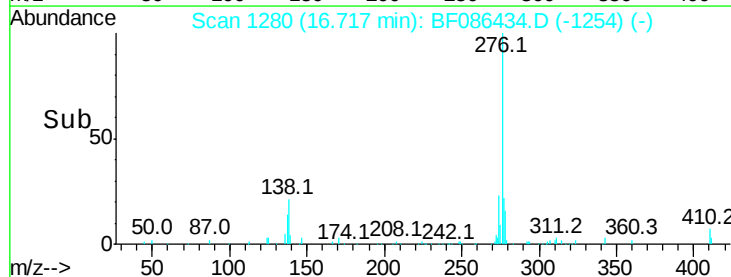
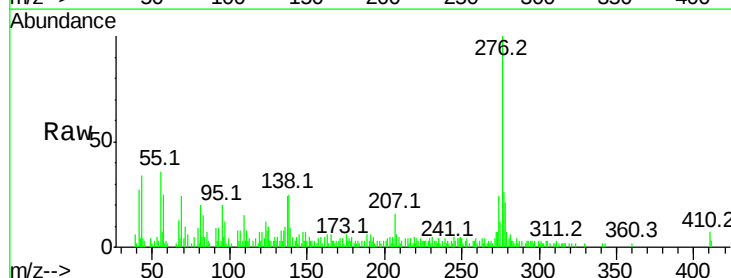
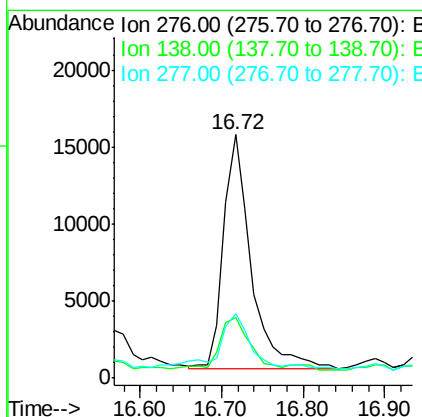
RT: 16.72 min Scan# 1280

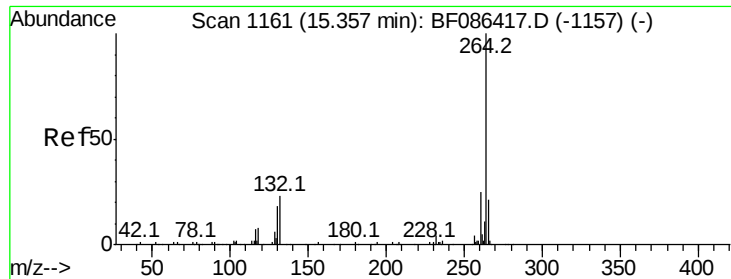
Delta R.T. 0.00 min

Lab File: BF086434.D

Acq: 27 Apr 2016 20:04

Tgt Ion:	276	Resp:	35644
Ion Ratio	Lower	Upper	
276	100		
138	23.0	25.6	38.4
277	29.0	20.5	30.7





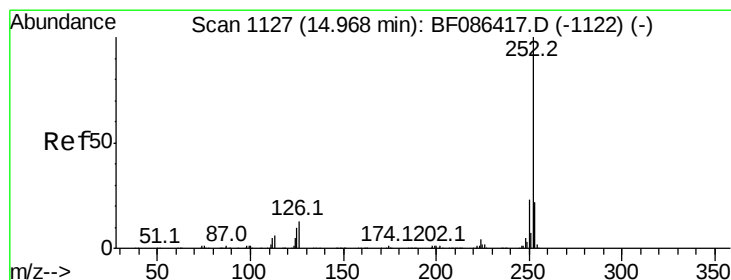
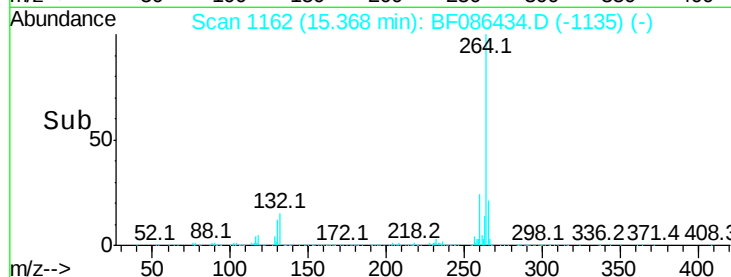
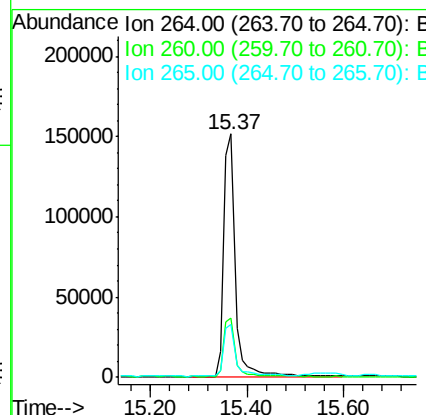
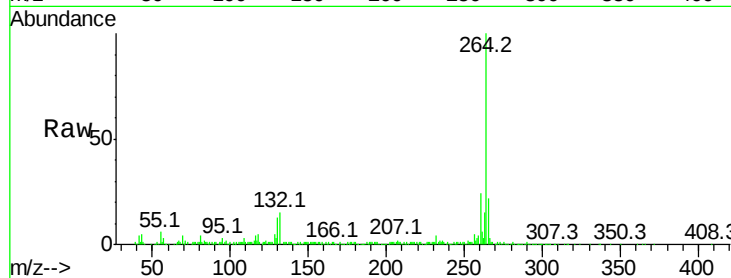
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF086434.D
Acq: 27 Apr 2016 20:04

Instrument :
BNA_F
ClientSampleId :
TH-B2(0-5)-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.8	17.3	25.9

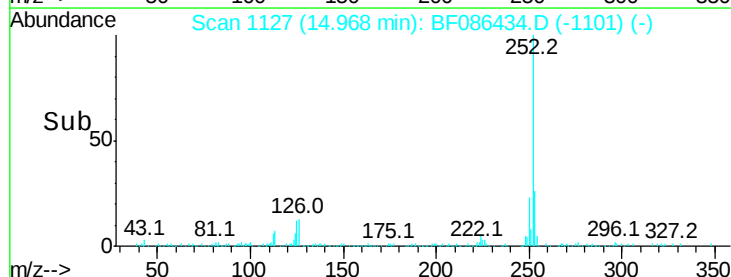
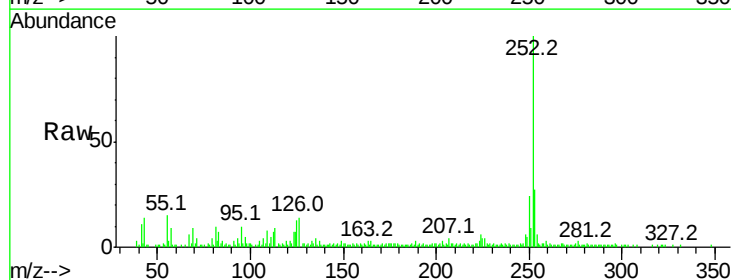
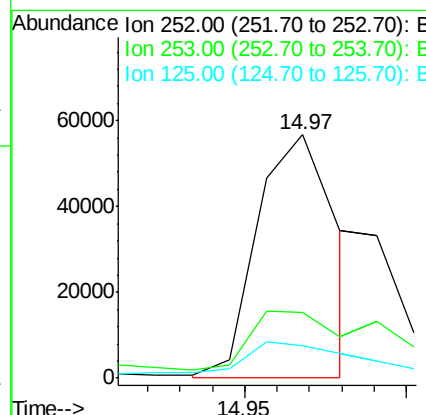
Manual Integrations
APPROVED

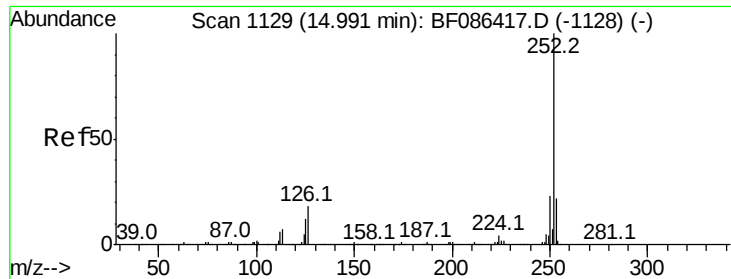
sohil
4/28/2016 1:40:17 PM



#87
Benzo(b)fluoranthene
Concen: 6.43 ng m
RT: 14.97 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BF086434.D
Acq: 27 Apr 2016 20:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.8	26.6#
125	13.4	11.4	17.0





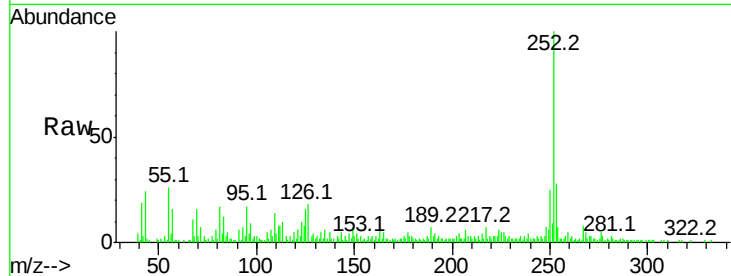
#88
Benzo(k)fluoranthene
Concen: 2.41 ng m
RT: 14.98 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF086434.D
Acq: 27 Apr 2016 20:04

Instrument :
BNA_F
ClientSampleId :
TH-B2(0-5)-C

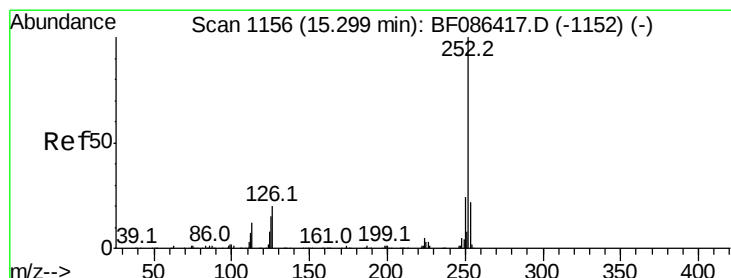
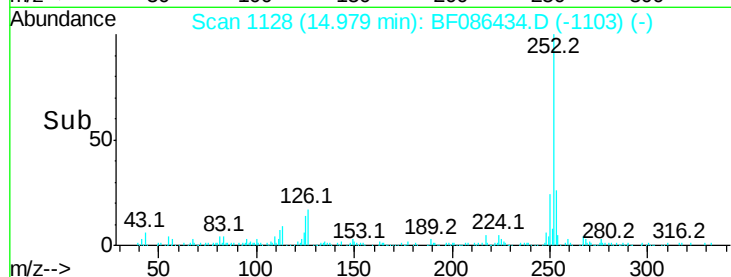
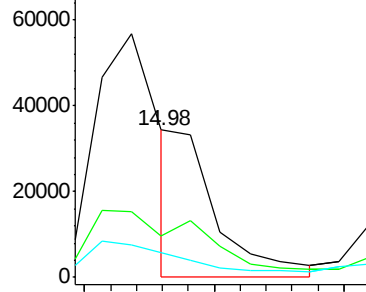
Tot Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.8	26.6#
125	16.4	9.1	13.7#

Manual Integrations
APPROVED

sohil
4/28/2016 1:40:17 PM

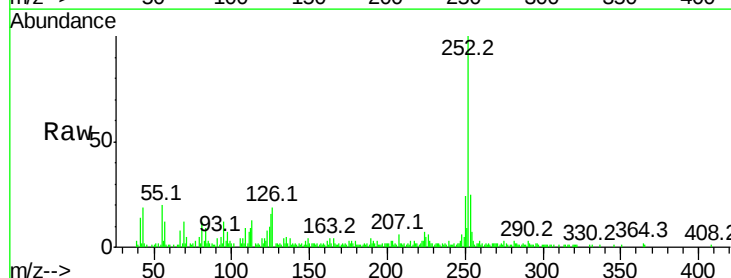


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

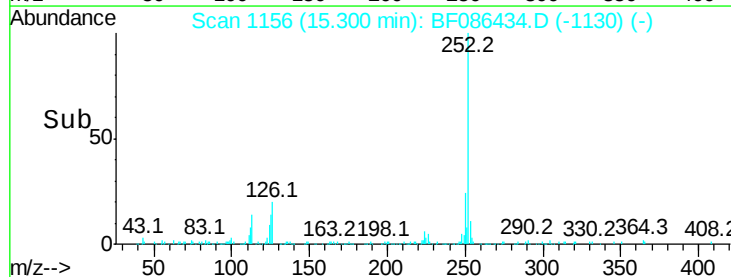
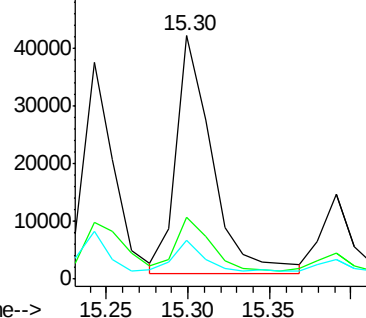


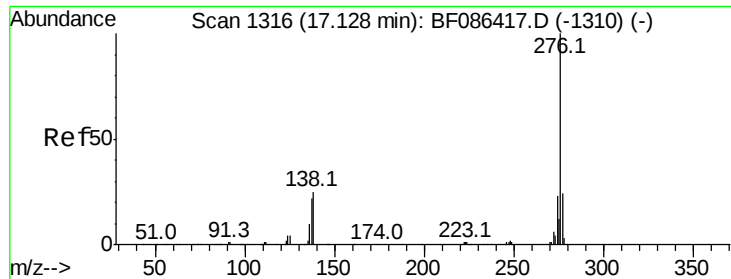
#89
Benzo(a)pyrene
Concen: 4.44 ng
RT: 15.30 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF086434.D
Acq: 27 Apr 2016 20:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.2	25.8
125	15.8	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 2.80 ng
 RT: 17.13 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: BF086434.D
 Acq: 27 Apr 2016 20:04

Instrument :
 BNA_F
 ClientSampleId :
 TH-B2(0-5)-C

Tot Ion:	276	Resp:	32872
Ion Ratio	Lower	Upper	
276	100		
277	26.2	19.6	29.4
138	25.7	23.6	35.4

Manual Integrations
 APPROVED

sohil
 4/28/2016 1:40:17 PM

