

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
 Data File : BF086649.D
 Acq On : 3 May 2016 17:25
 Operator : UM/SJ
 Sample : H2685-07
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-4(0-10FTBGS)

Manual Integrations
 APPROVED

sohil
 5/4/2016 6:52:57 PM

Quant Time: May 04 04:08:42 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	6.75	152	196011	20.00	ng	-0.06
21) Naphthalene-d8	8.04	136	796413	20.00	ng	-0.06
38) Acenaphthene-d10	9.79	164	345921	20.00	ng	-0.06
63) Phenanthrene-d10	11.26	188	524960	20.00	ng	-0.06
75) Chrysene-d12	13.91	240	402654	20.00	ng	-0.06
86) Perylene-d12	15.30	264	355151	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1043789	91.85	ng	-0.04
7) Phenol-d6	6.40	99	1420161	89.54	ng	-0.05
23) Nitrobenzene-d5	7.32	82	1011652	68.47	ng	-0.06
41) 2,4,6-Tribromophenol	10.58	330	290756	79.70	ng	-0.06
44) 2-Fluorobiphenyl	9.12	172	1337680	63.78	ng	-0.06
78) Terphenyl-d14	12.85	244	933794	51.09	ng	-0.06
Target Compounds						
49) Dimethylphthalate	9.52	163	167953	6.45	ng	Qvalue 98
70) Phenanthrene	11.29	178	144947	5.26	ng	99
74) Fluoranthene	12.48	202	288652	10.38	ng	97
77) Pyrene	12.70	202	263929	9.10	ng	99
80) Benzo(a)anthracene	13.89	228	115288	5.37	ng	99
82) Chrysene	13.93	228	133040m	5.70	ng	
83) Bis(2-ethylhexyl)phthalate	13.89	149	33474	2.15	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.63	276	74207	4.29	ng	93
87) Benzo(b)fluoranthene	14.91	252	178934m	8.56	ng	
88) Benzo(k)fluoranthene	14.93	252	62114m	2.85	ng	
89) Benzo(a)pyrene	15.24	252	114390	5.80	ng	97
91) Benzo(a,h,i)perylene	17.03	276	71377	4.41	ng	93

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

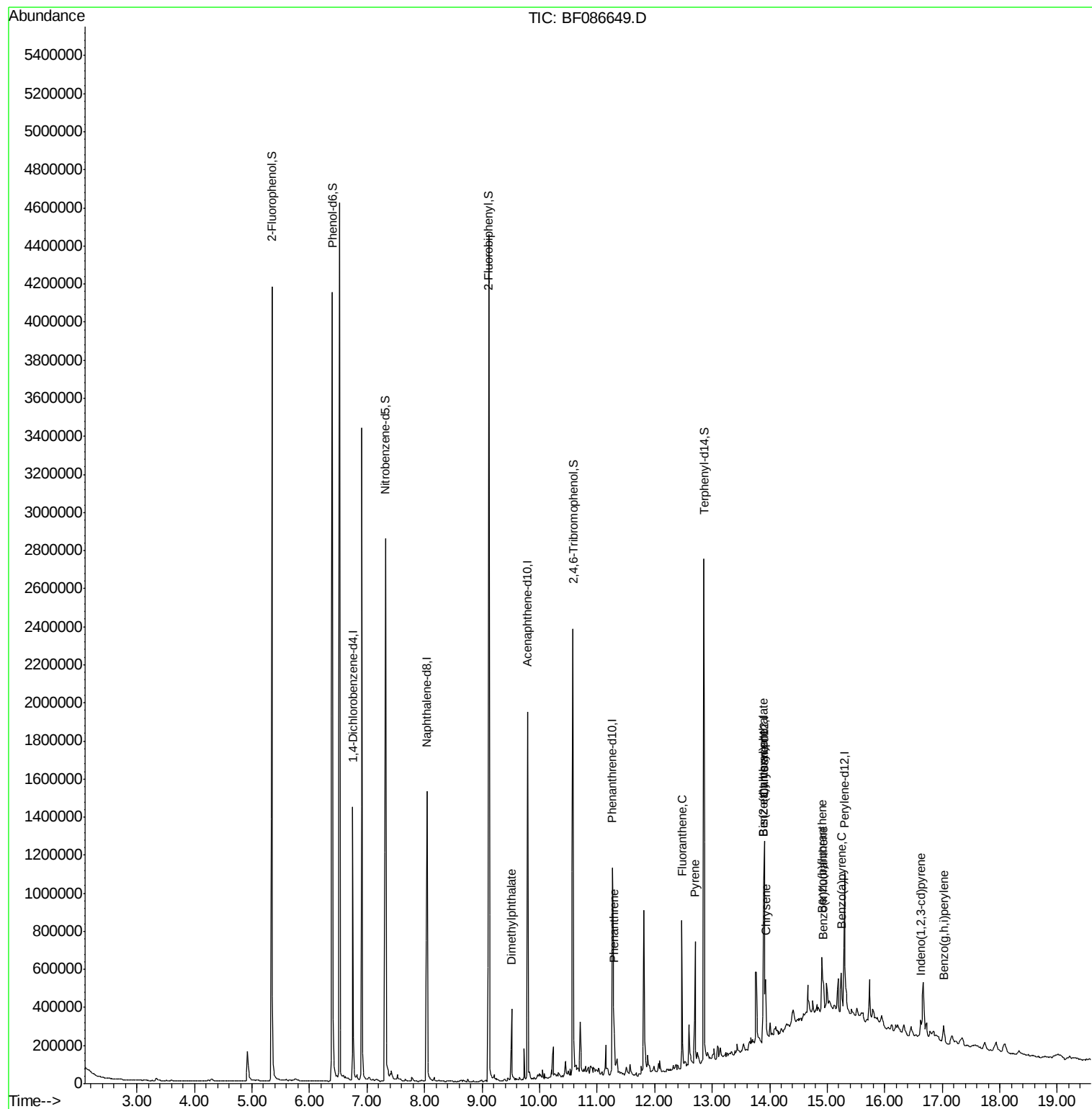
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
Data File : BF086649.D
Acq On : 3 May 2016 17:25
Operator : UM/SJ
Sample : H2685-07
Misc :
ALS Vial : 39 Sample Multiplier: 1

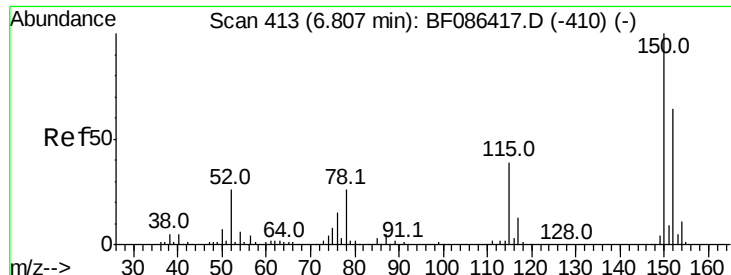
Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-4(0-10FTBGS)

Manual Integrations
APPROVED

sohil
5/4/2016 6:52:57 PM

Quant Time: May 04 04:08:42 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

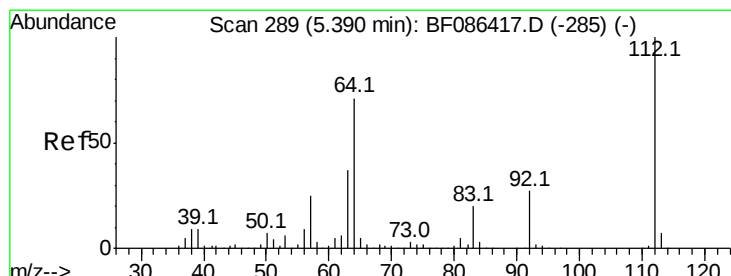
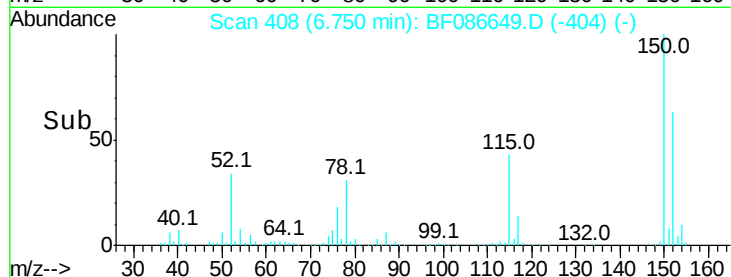
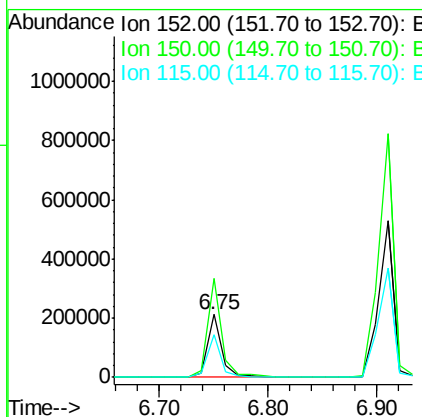
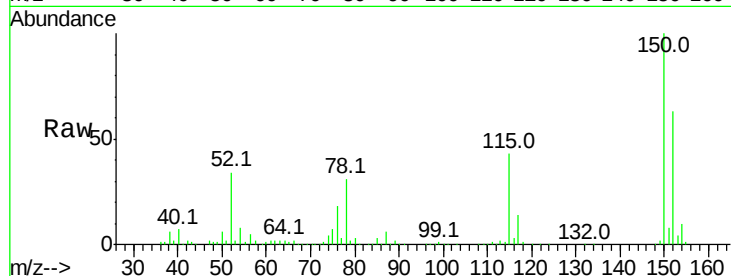
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.06 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-4(0-10FTBGS)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.8	188.6
115	67.4	51.5	77.3

Manual Integrations
APPROVED

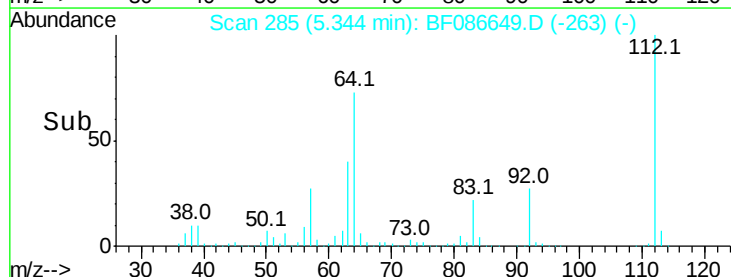
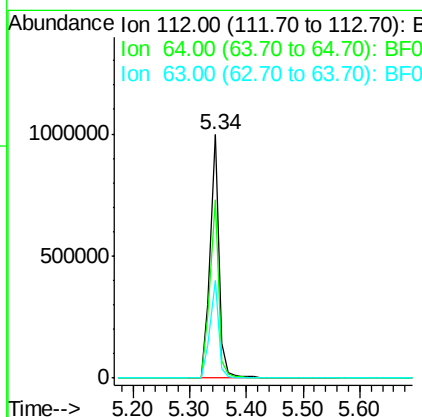
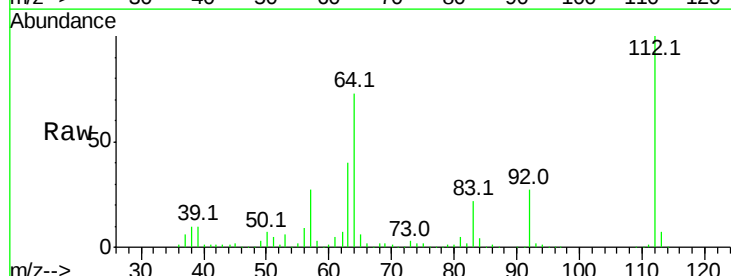
sohil
5/4/2016 6:52:57 PM

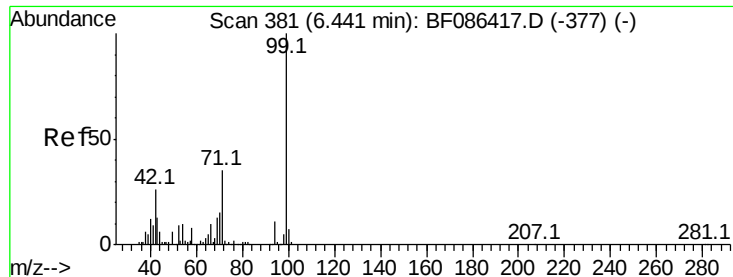


#5

2-Fluorophenol
Concen: 91.85 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.04 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.3	52.1	78.1
63	40.1	25.7	38.5





#7

Phenol-d6

Concen: 89.54 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.05 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-4(0-10FTBGS)

Tot Ion: 99 Resp: 1420161

Ion Ratio Lower Upper

99 100

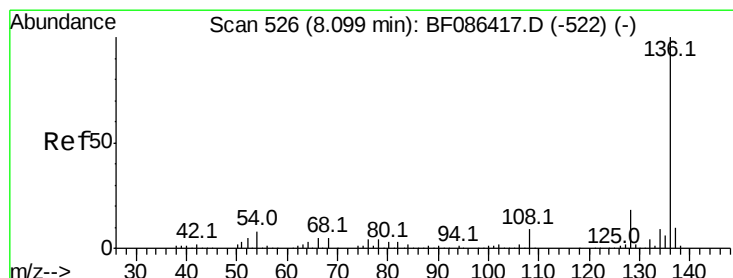
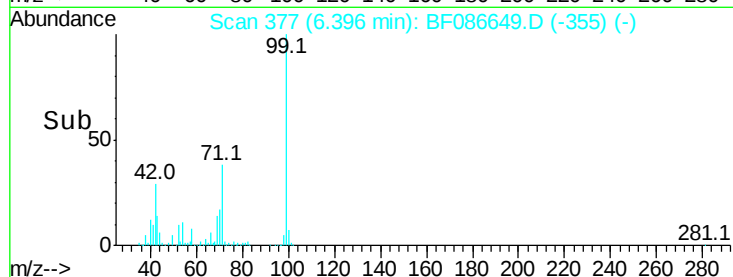
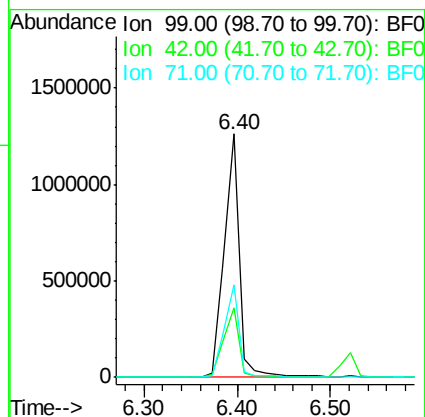
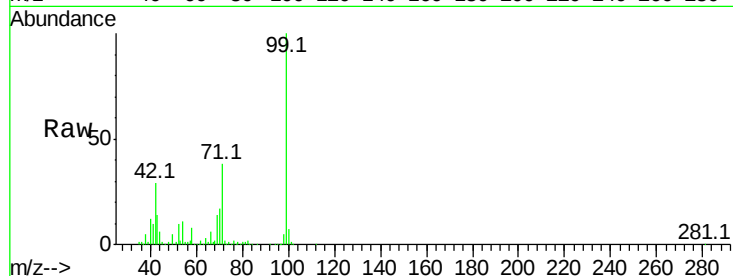
42 28.6 13.6 20.4#

71 38.1 24.6 36.8#

Manual Integrations
APPROVED

sohil

5/4/2016 6:52:57 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.06 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Tgt Ion: 136 Resp: 796413

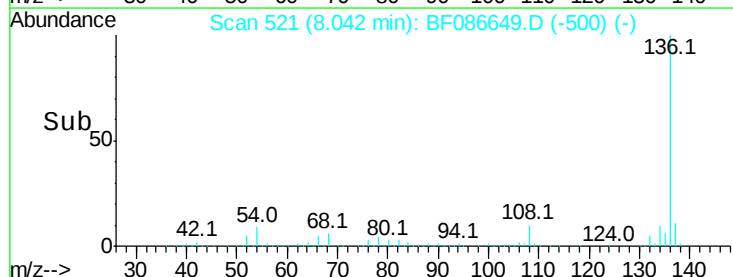
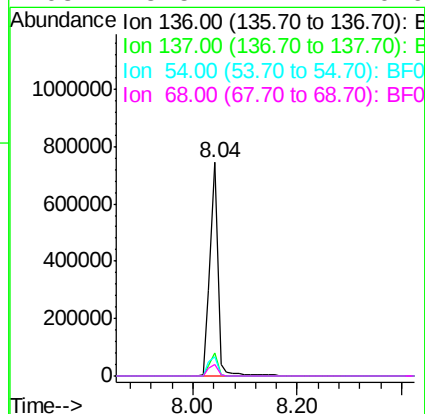
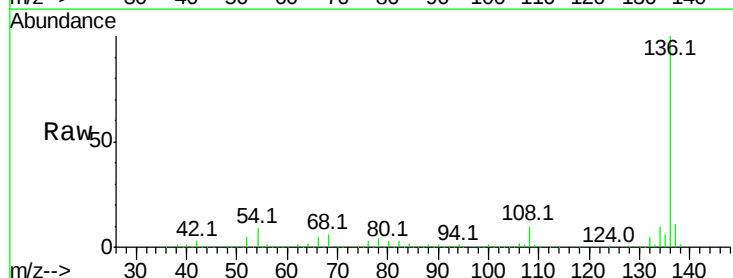
Ion Ratio Lower Upper

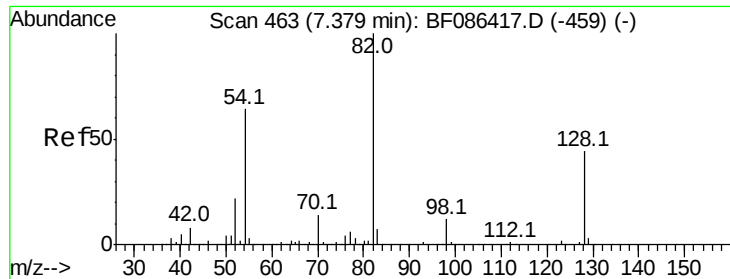
136 100

137 10.8 8.8 13.2

54 9.0 5.0 7.4#

68 5.5 4.4 6.6





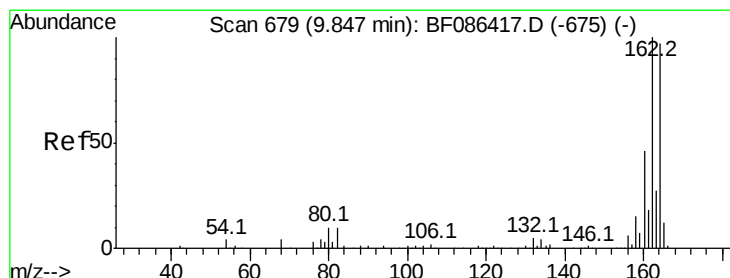
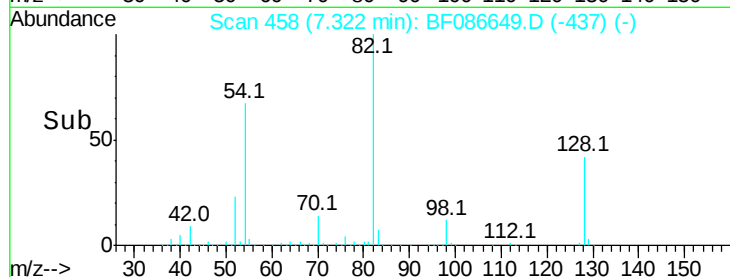
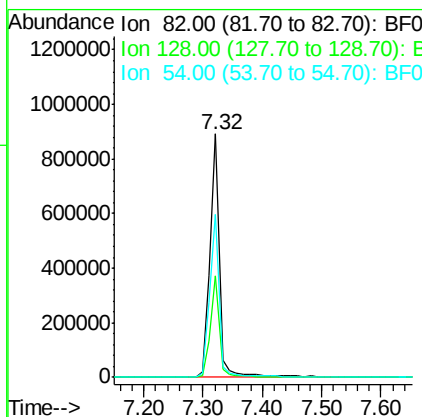
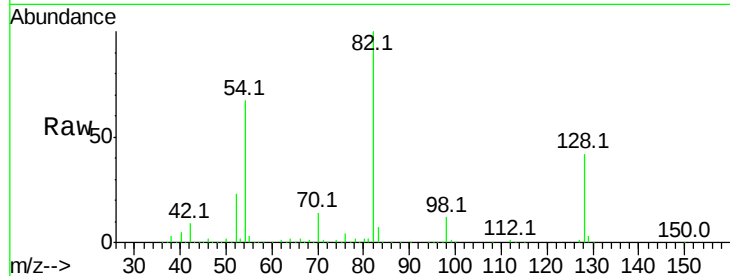
#23
 Nitrobenzene-d5
 Concen: 68.47 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.06 min
 Lab File: BF086649.D
 Acq: 3 May 2016 17:25

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-4(0-10FTBGS)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.6	40.6	61.0
54	66.7	38.1	57.1#

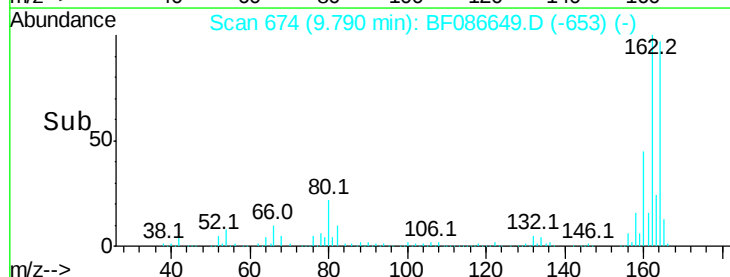
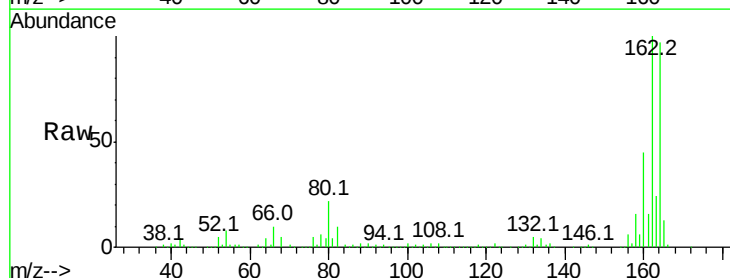
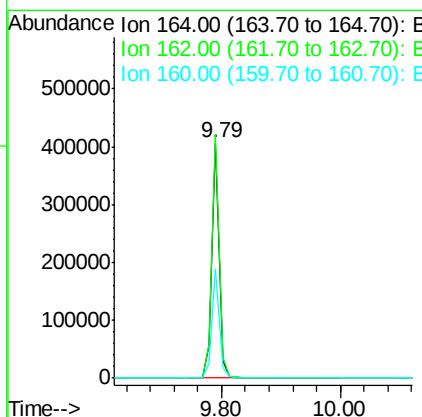
Manual Integrations
 APPROVED

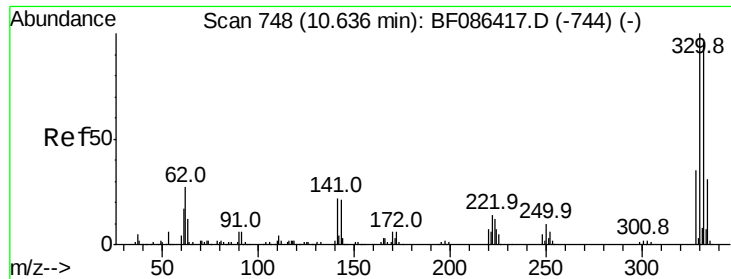
sohil
 5/4/2016 6:52:57 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.06 min
 Lab File: BF086649.D
 Acq: 3 May 2016 17:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.8	124.2
160	46.4	36.9	55.3





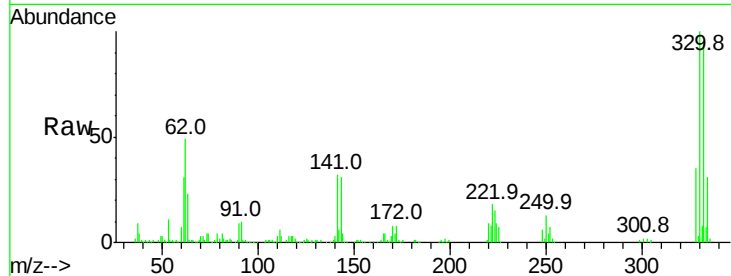
#41
 2,4,6-Tribromophenol
 Concen: 79.70 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.06 min
 Lab File: BF086649.D
 Acq: 3 May 2016 17:25

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-4(0-10FTBGS)

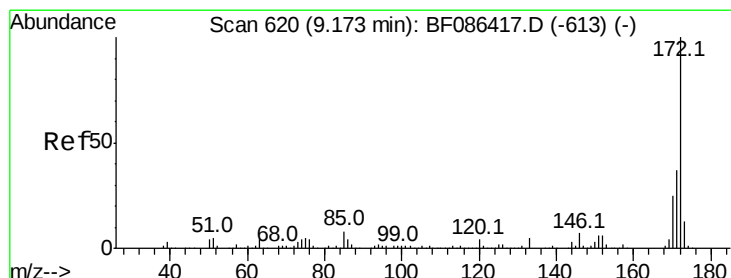
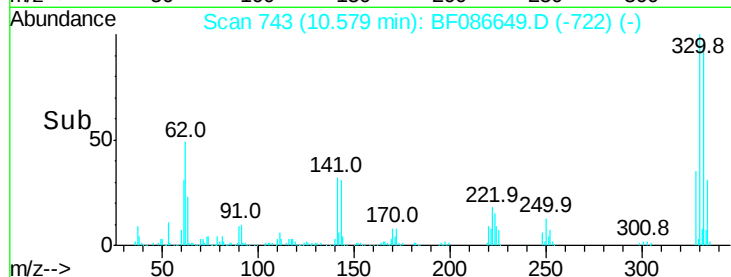
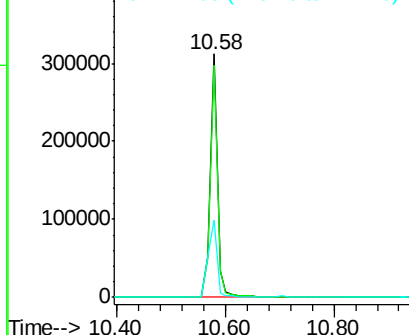
Tot Ion	Ratio	Resp	Lower	Upper
330	100	290756		
332	95.3	79.0	118.4	
141	38.9	31.2	46.8	

Manual Integrations
 APPROVED

sohil
 5/4/2016 6:52:57 PM



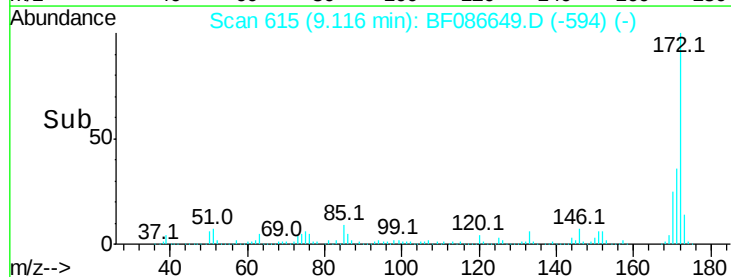
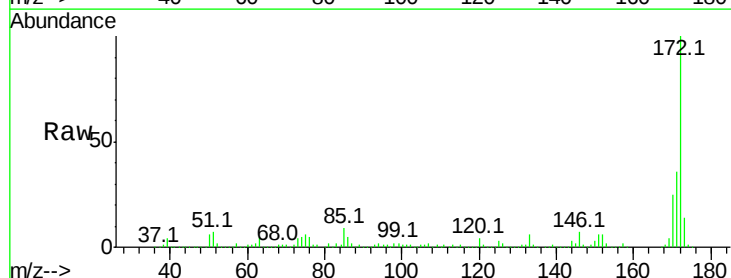
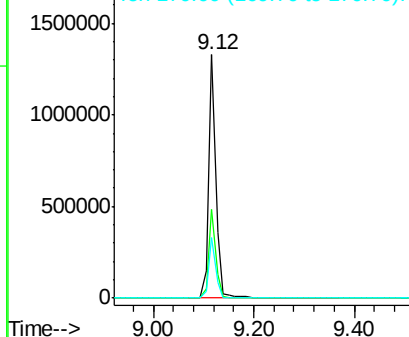
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

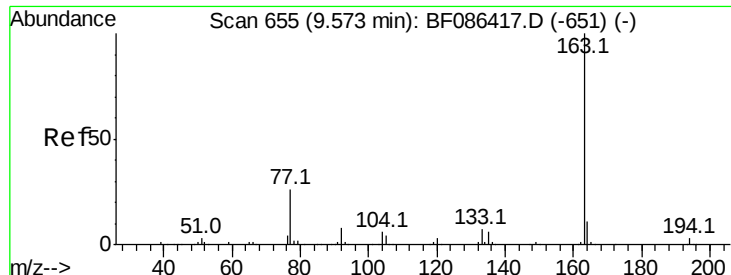


#44
 2-Fluorobiphenyl
 Concen: 63.78 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.06 min
 Lab File: BF086649.D
 Acq: 3 May 2016 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1337680		
171	36.4	29.0	43.6	
170	24.8	19.8	29.8	

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





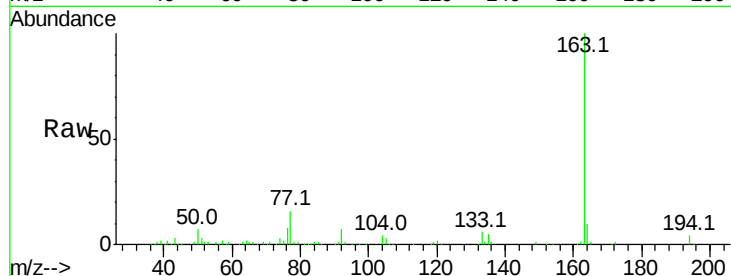
#49
Dimethylphthalate
Concen: 6.45 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.06 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-4(0-10FTBGS)

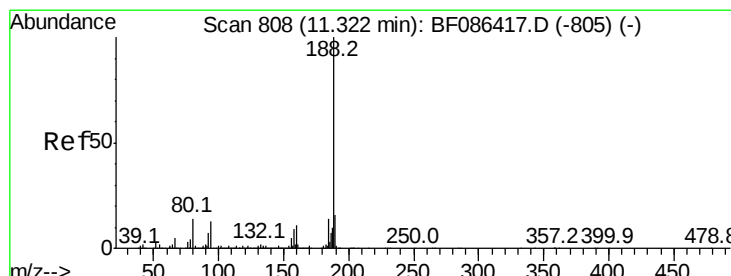
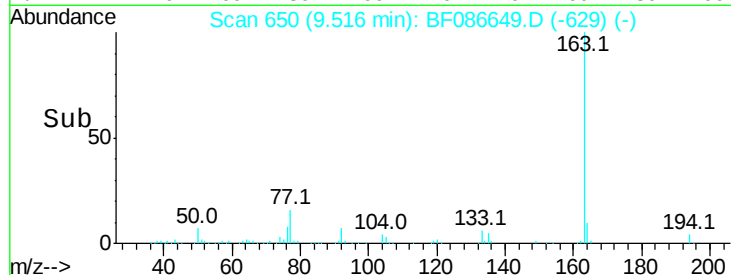
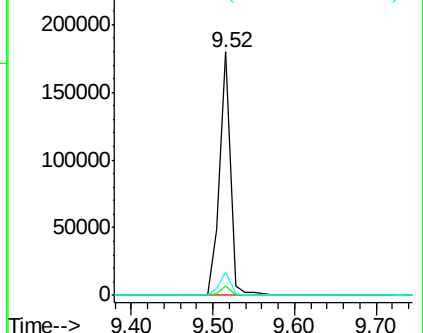
Tot Ion	Ratio	Resp	Lower	Upper
163	100	167953		
194	3.7	2.6	4.0	
164	9.6	8.2	12.4	

Manual Integrations
APPROVED

sohil
5/4/2016 6:52:57 PM

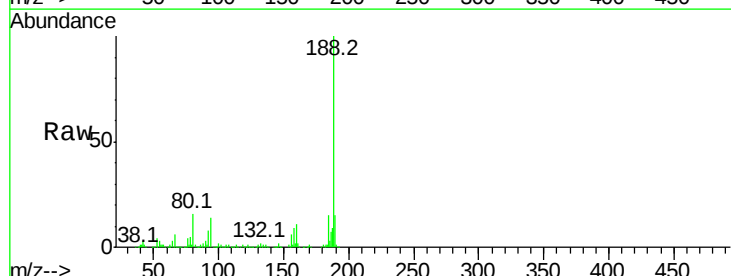


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

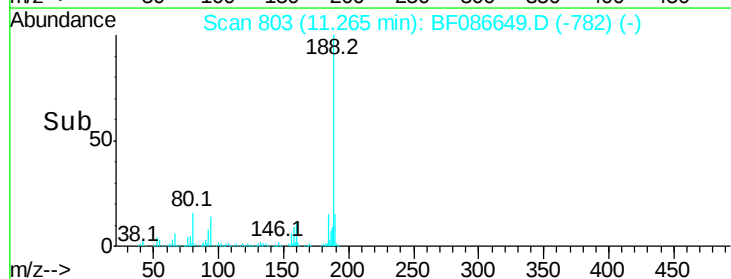
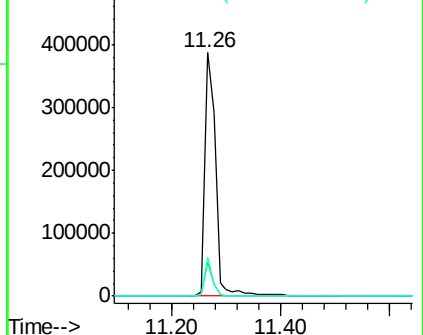


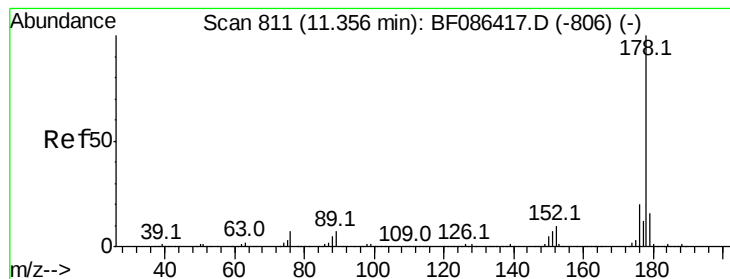
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.06 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	524960		
94	14.1	6.8	10.2#	
80	15.8	7.1	10.7#	



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: 5.26 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.07 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Instrument :

BNA_F

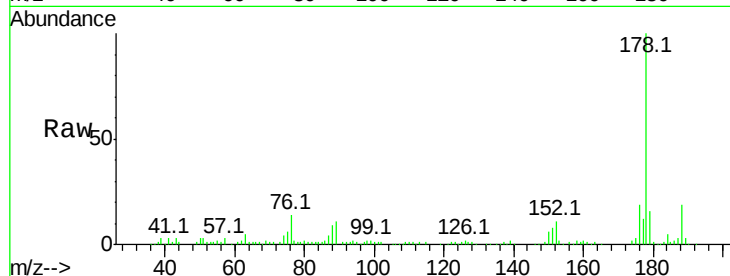
ClientSampleId :

26WARD-2B-CS-4(0-10FTBGS)

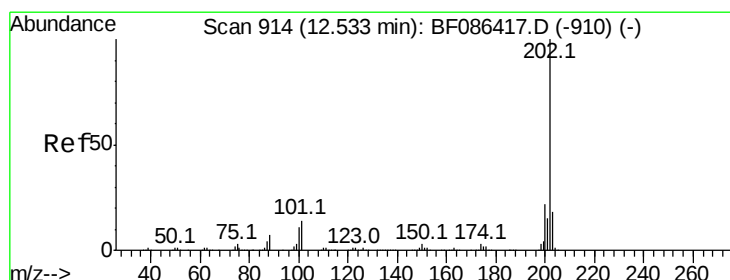
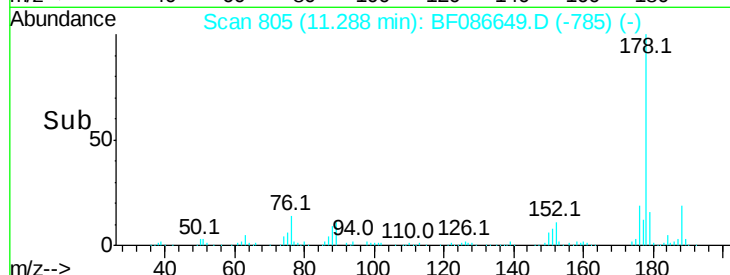
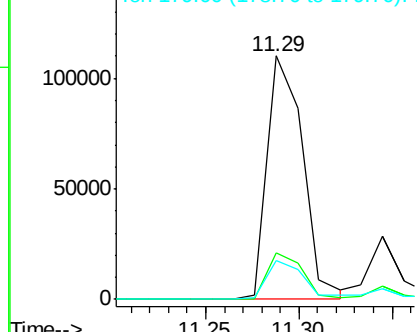
Tot Ion:	178	Resp:	144947
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.0	24.0
179	15.9	12.6	18.8

Manual Integrations
APPROVED

sohil
5/4/2016 6:52:57 PM



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: 10.38 ng

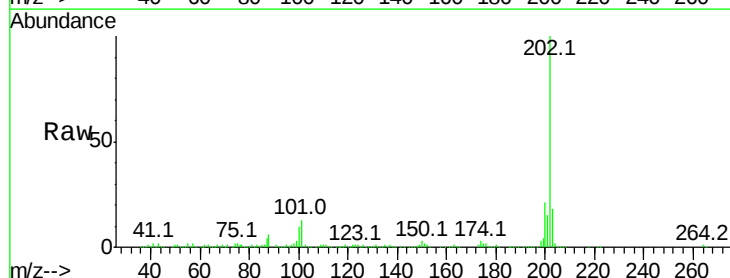
RT: 12.48 min Scan# 909

Delta R.T. -0.06 min

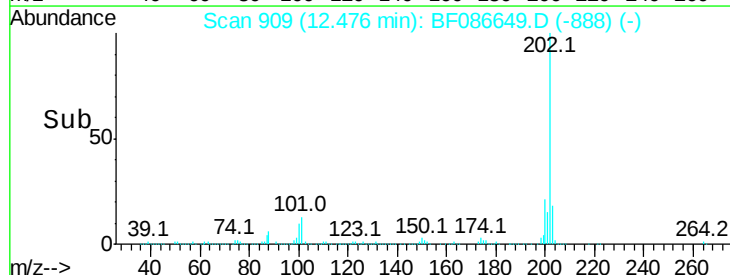
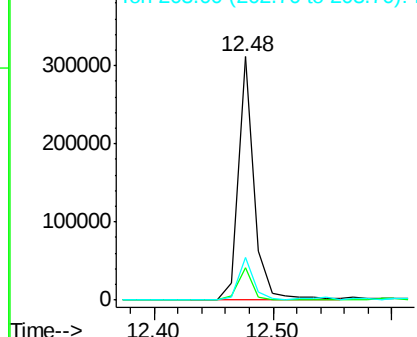
Lab File: BF086649.D

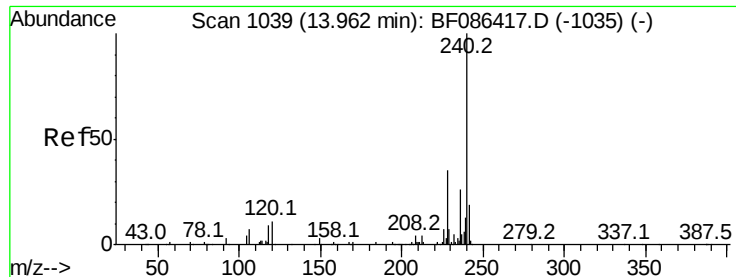
Acq: 3 May 2016 17:25

Tgt Ion:	202	Resp:	288652
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	35.4
203	17.7	0.0	38.1



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: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Instrument :

BNA_F

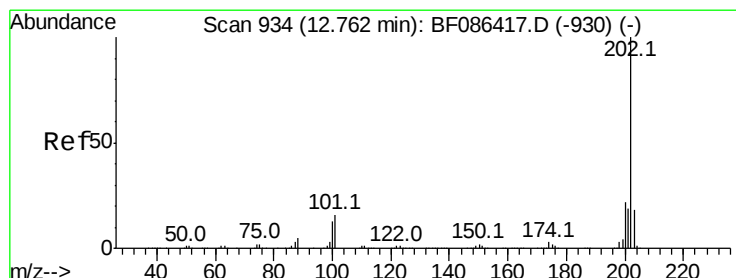
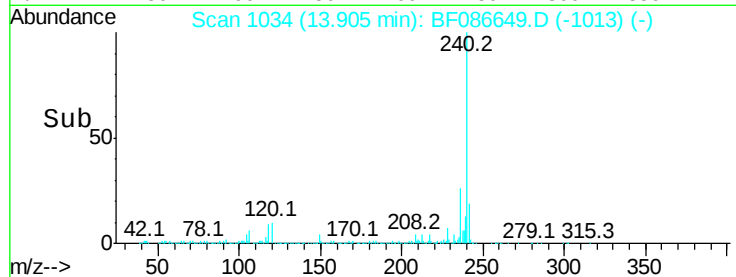
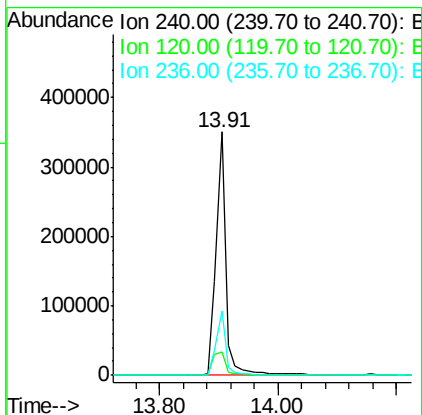
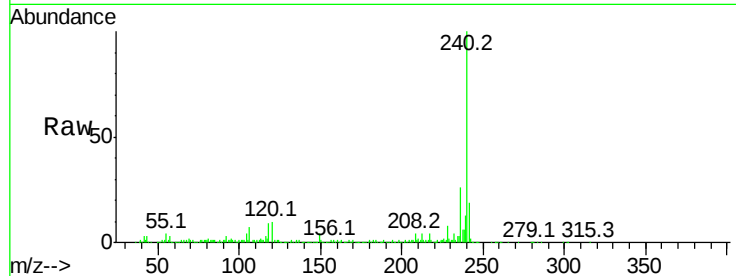
ClientSampleId :

26WARD-2B-CS-4(0-10FTBGS)

Tot Ion:	240	Resp:	402654
Ion Ratio	Lower	Upper	
240	100		
120	9.8	11.2	16.8#
236	26.3	21.2	31.8

Manual Integrations
APPROVED

sohil
5/4/2016 6:52:57 PM



#77

Pyrene

Concen: 9.10 ng

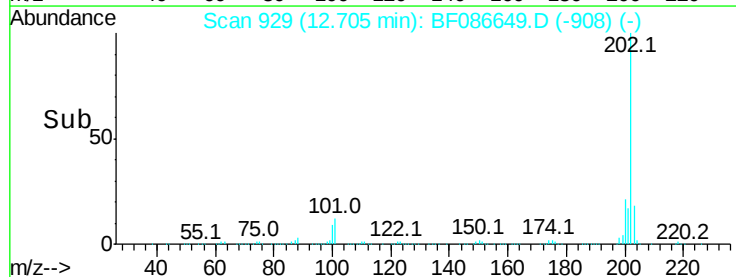
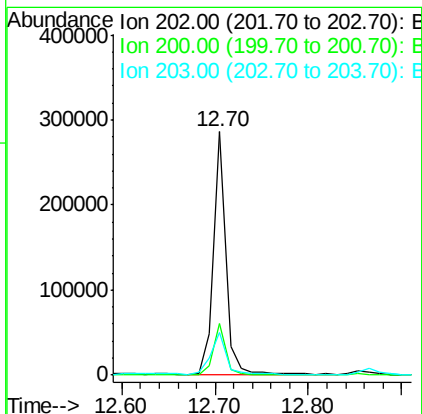
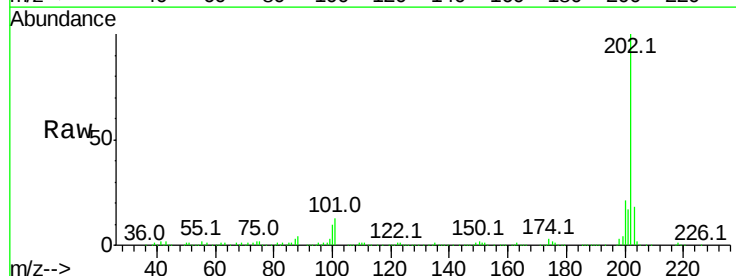
RT: 12.70 min Scan# 929

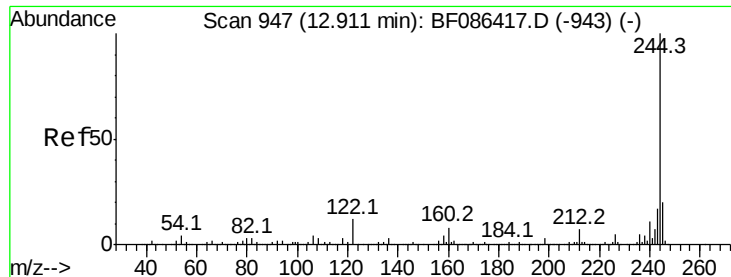
Delta R.T. -0.06 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Tgt Ion:	202	Resp:	263929
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.7	26.5
203	17.7	14.2	21.4





#78

Terphenyl-d14

Concen: 51.09 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.06 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Instrument :

BNA_F

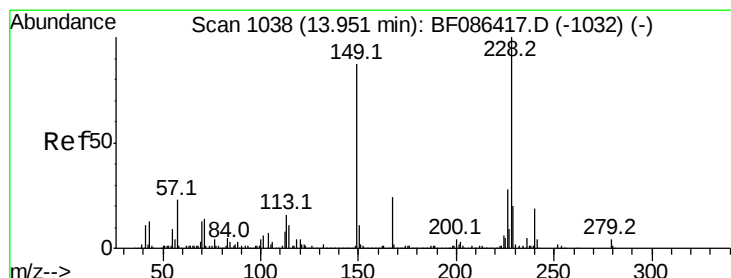
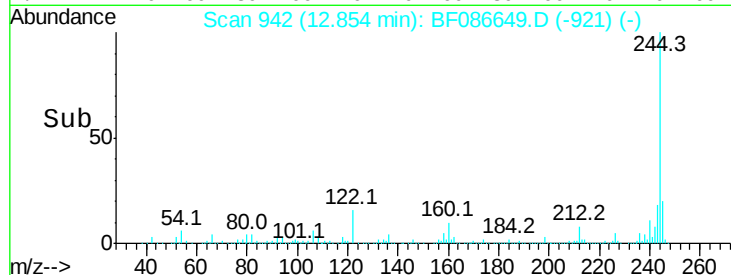
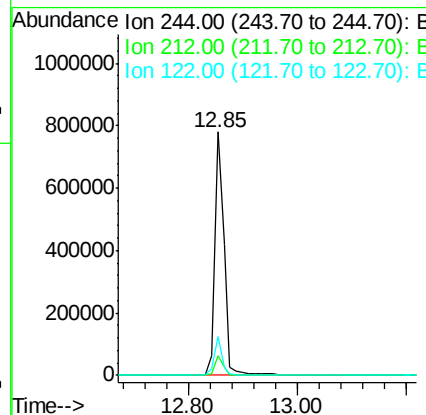
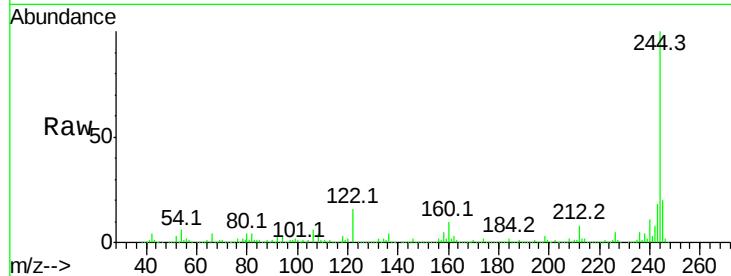
ClientSampleId :

26WARD-2B-CS-4(0-10FTBGS)

Tot Ion:	244	Resp:	933794
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.2	9.2
122	15.8	12.0	18.0

Manual Integrations
APPROVED

sohil
5/4/2016 6:52:57 PM



#80

Benzo(a)anthracene

Concen: 5.37 ng

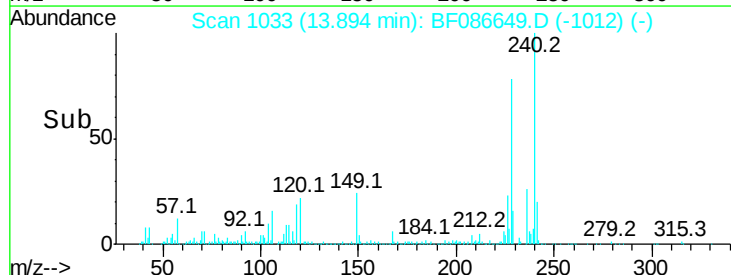
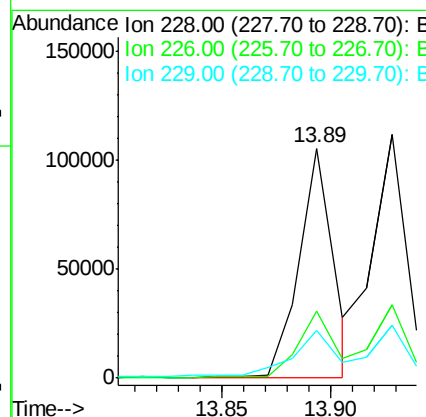
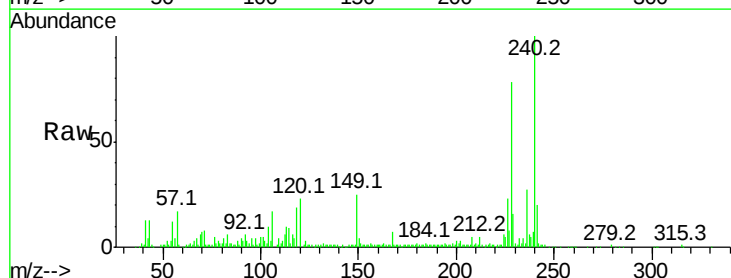
RT: 13.89 min Scan# 1033

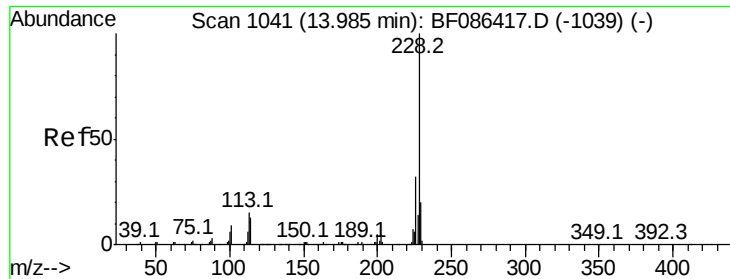
Delta R.T. -0.06 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Tgt Ion:	228	Resp:	115288
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.5	33.7
229	20.9	16.6	25.0





#82

Chrysene

Concen: 5.70 ng/mL

RT: 13.93 min Scan# 1036

Delta R.T. -0.06 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Instrument :

BNA_F

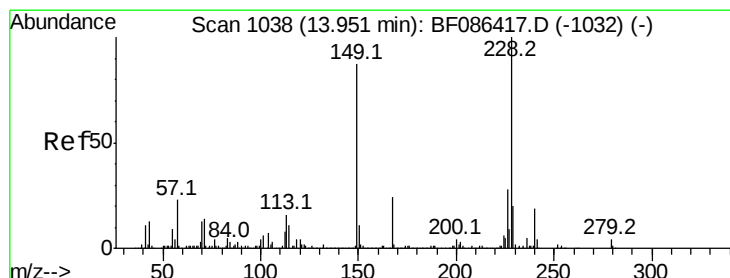
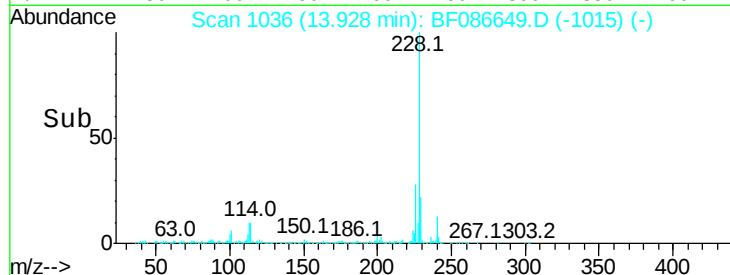
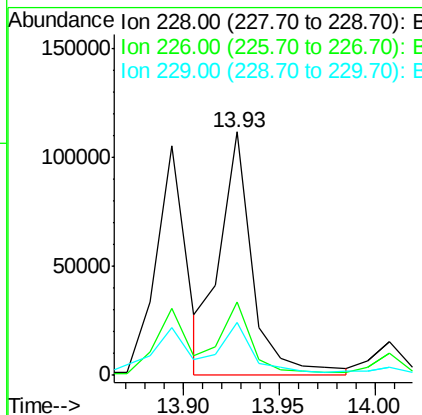
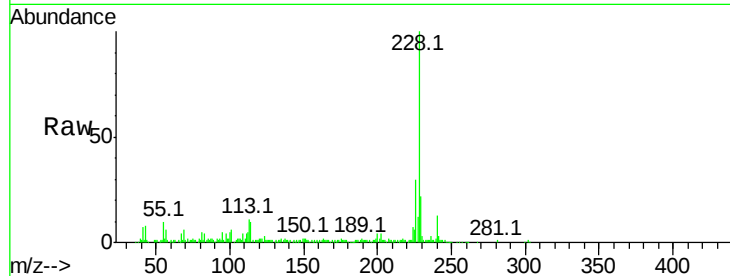
ClientSampleId :

26WARD-2B-CS-4(0-10FTBGS)

Tot Ion:	228	Resp:	133040
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.4	36.6
229	21.9	15.8	23.8

Manual Integrations
APPROVED

sohil
5/4/2016 6:52:57 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.15 ng/mL

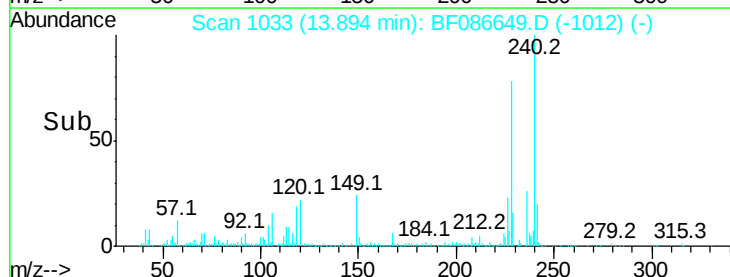
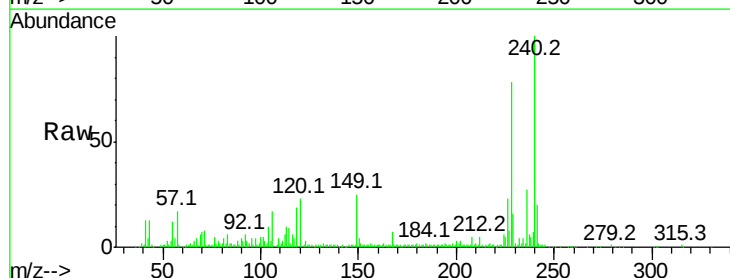
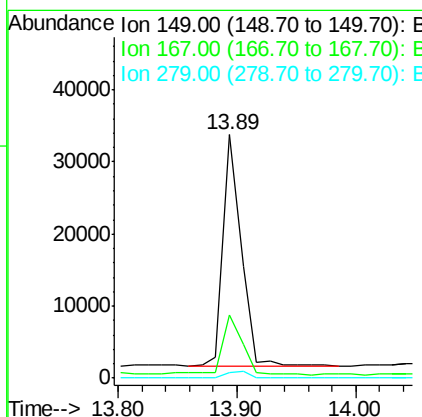
RT: 13.89 min Scan# 1033

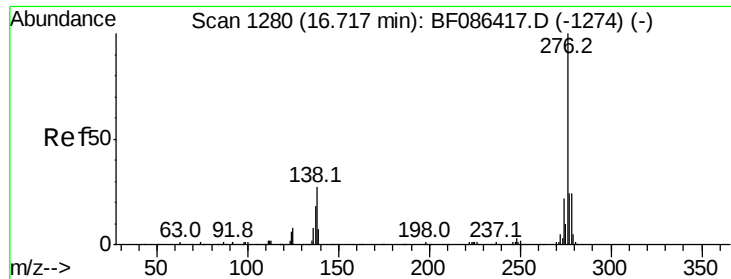
Delta R.T. -0.06 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Tgt Ion:	149	Resp:	33474
Ion Ratio	Lower	Upper	
149	100		
167	26.0	21.8	32.6
279	2.2	2.6	4.0#





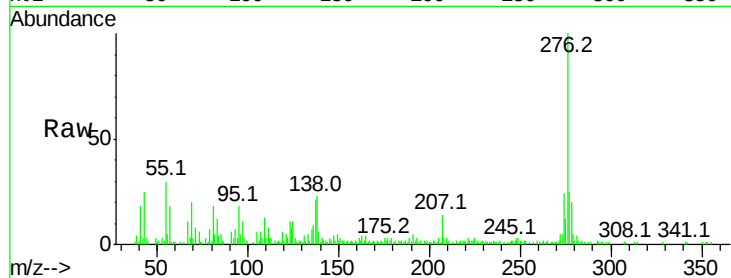
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.29 ng
RT: 16.63 min Scan# 1272
Delta R.T. -0.09 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-4(0-10FTBGS)

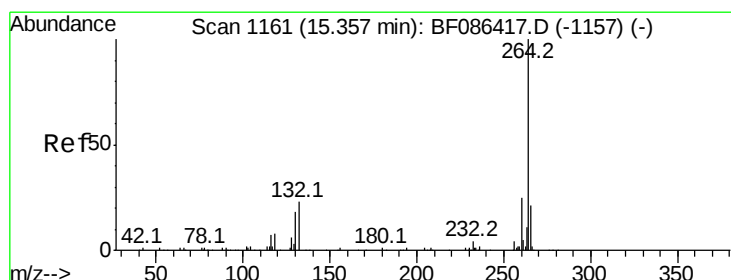
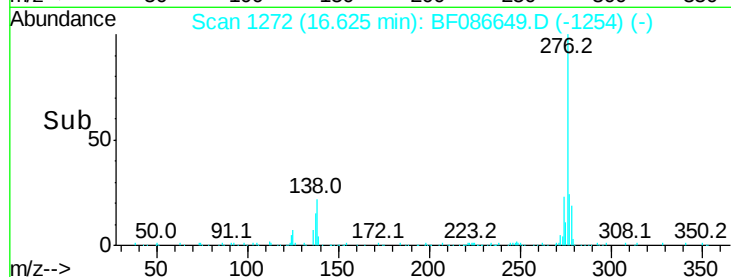
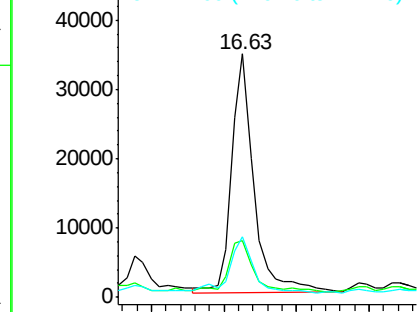
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.1	25.6	38.4
277	26.4	20.5	30.7

Manual Integrations
APPROVED

sohil
5/4/2016 6:52:57 PM

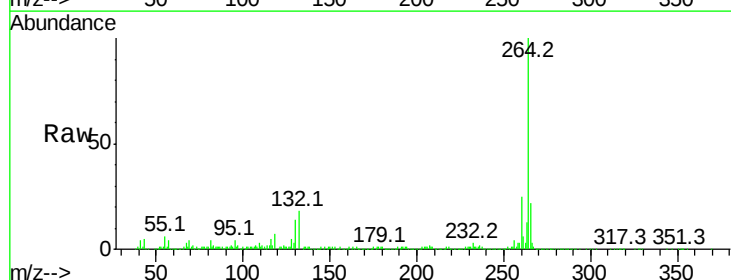


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

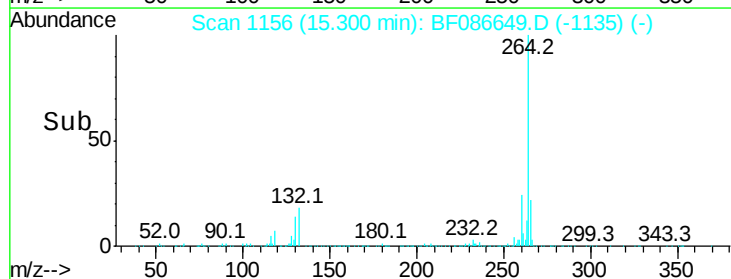
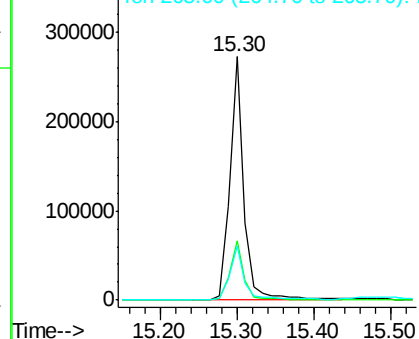


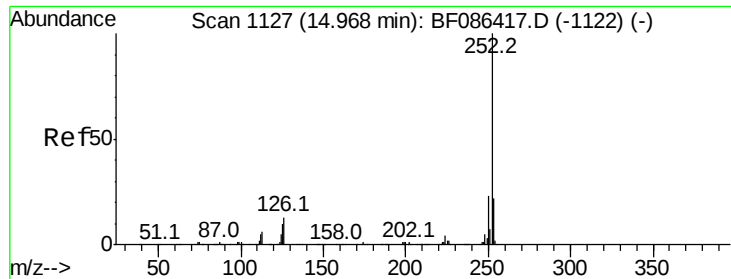
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.2	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.56 ng m

RT: 14.91 min Scan# 1122

Delta R.T. -0.06 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Instrument :

BNA_F

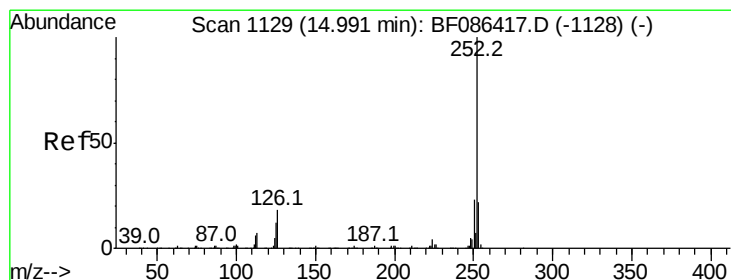
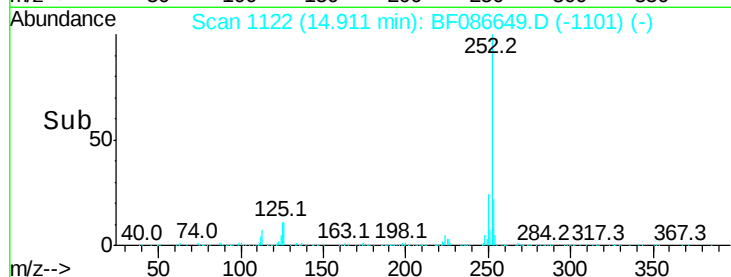
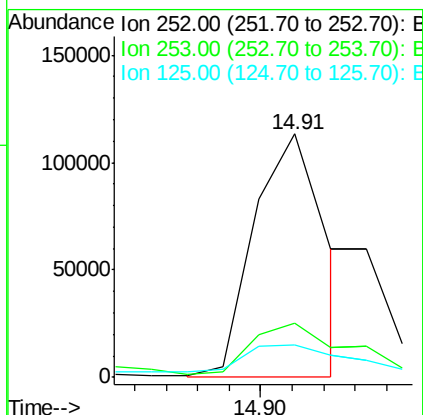
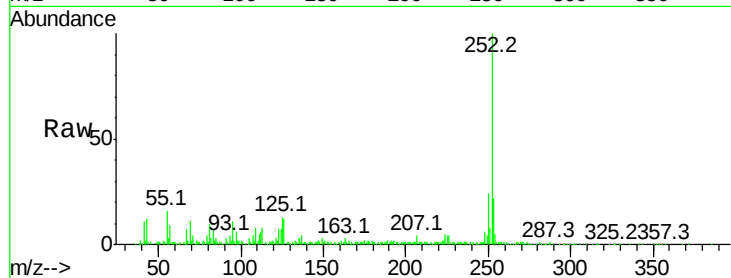
ClientSampleId :

26WARD-2B-CS-4(0-10FTBGS)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	13.1	11.4	17.0

Manual Integrations
APPROVED

sohil
5/4/2016 6:52:57 PM



#88

Benzo(k)fluoranthene

Concen: 2.85 ng m

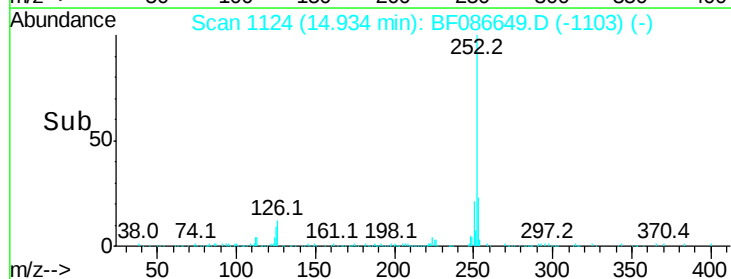
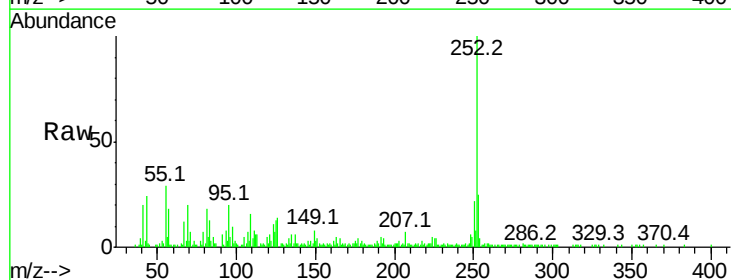
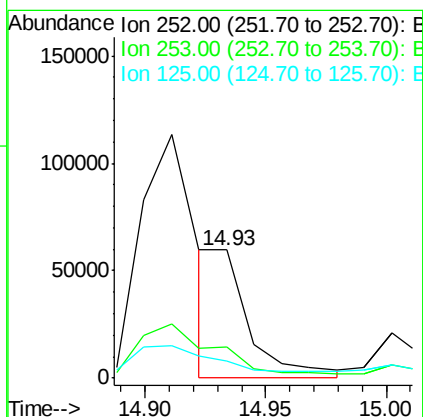
RT: 14.93 min Scan# 1124

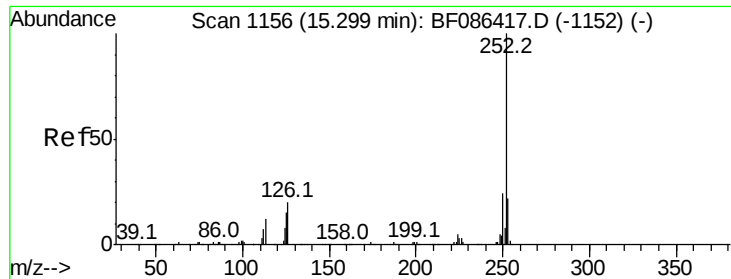
Delta R.T. -0.06 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.6
125	13.0	9.1	13.7





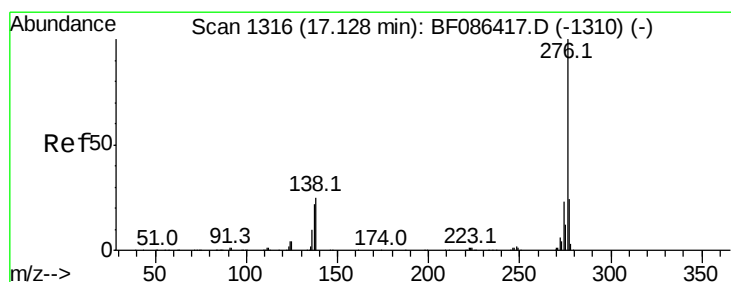
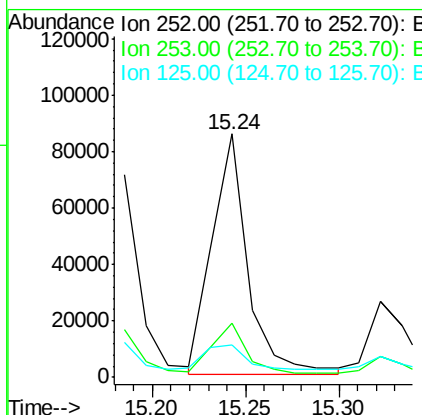
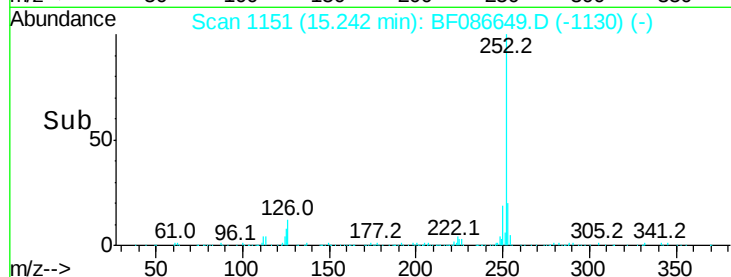
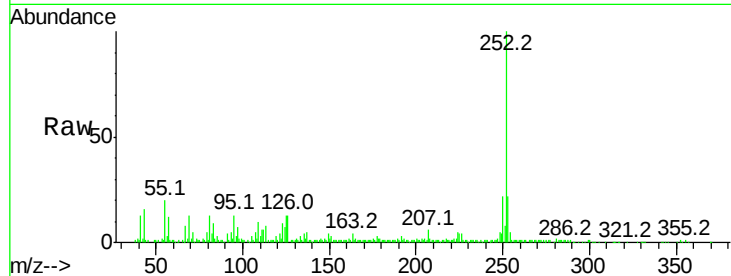
#89
Benzo(a)pyrene
Concen: 5.80 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.06 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-4(0-10FTBGS)

Tot Ion:	252	Resp:	114390
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.2	25.8
125	13.2	9.0	13.6

Manual Integrations
APPROVED

sohil
5/4/2016 6:52:57 PM



#91
Benzo(g,h,i)perylene
Concen: 4.41 ng
RT: 17.03 min Scan# 1307
Delta R.T. -0.10 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

Tgt Ion:	276	Resp:	71377
Ion Ratio	Lower	Upper	
276	100		
277	25.5	19.6	29.4
138	23.8	23.6	35.4

