

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089478.D
 Acq On : 31 Jul 2016 18:48
 Operator : UM/SJ
 Sample : H4265-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCUL-COMP(1-5)

Manual Integrations
 APPROVED

sohil
 8/1/2016 7:17:32 PM

Quant Time: Aug 01 06:01:47 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 04:11:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	42863	20.00	ng	-0.01
21) Naphthalene-d8	7.78	136	156798	20.00	ng	-0.01
38) Acenaphthene-d10	9.52	164	64864	20.00	ng	-0.01
63) Phenanthrene-d10	10.99	188	100891	20.00	ng	-0.01
75) Chrysene-d12	13.61	240	94175	20.00	ng	-0.01
86) Perylene-d12	14.95	264	98015	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	366205	136.42	ng	0.00
7) Phenol-d6	6.16	99	524649	147.89	ng	-0.01
23) Nitrobenzene-d5	7.06	82	300676	113.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.31	330	70990	132.14	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	442630	100.15	ng	-0.01
78) Terphenyl-d14	12.57	244	294331	73.15	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.26	163	66567	13.48	ng	99
70) Phenanthrene	11.02	178	17409	3.35	ng	99
74) Fluoranthene	12.19	202	44318	8.10	ng	98
77) Pyrene	12.41	202	38637m	5.41	ng	
80) Benzo(a)anthracene	13.60	228	24747	4.66	ng	95
82) Chrysene	13.63	228	20026m	3.54	ng	
83) Bis(2-ethylhexyl)phthalate	13.62	149	15677	3.34	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.13	276	13741	3.42	ng	# 88
87) Benzo(b)fluoranthene	14.61	252	29453m	4.84	ng	
89) Benzo(a)pyrene	14.89	252	21050	3.86	ng	# 90
91) Benzo(g,h,i)perylene	16.47	276	12405	2.93	ng	95

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

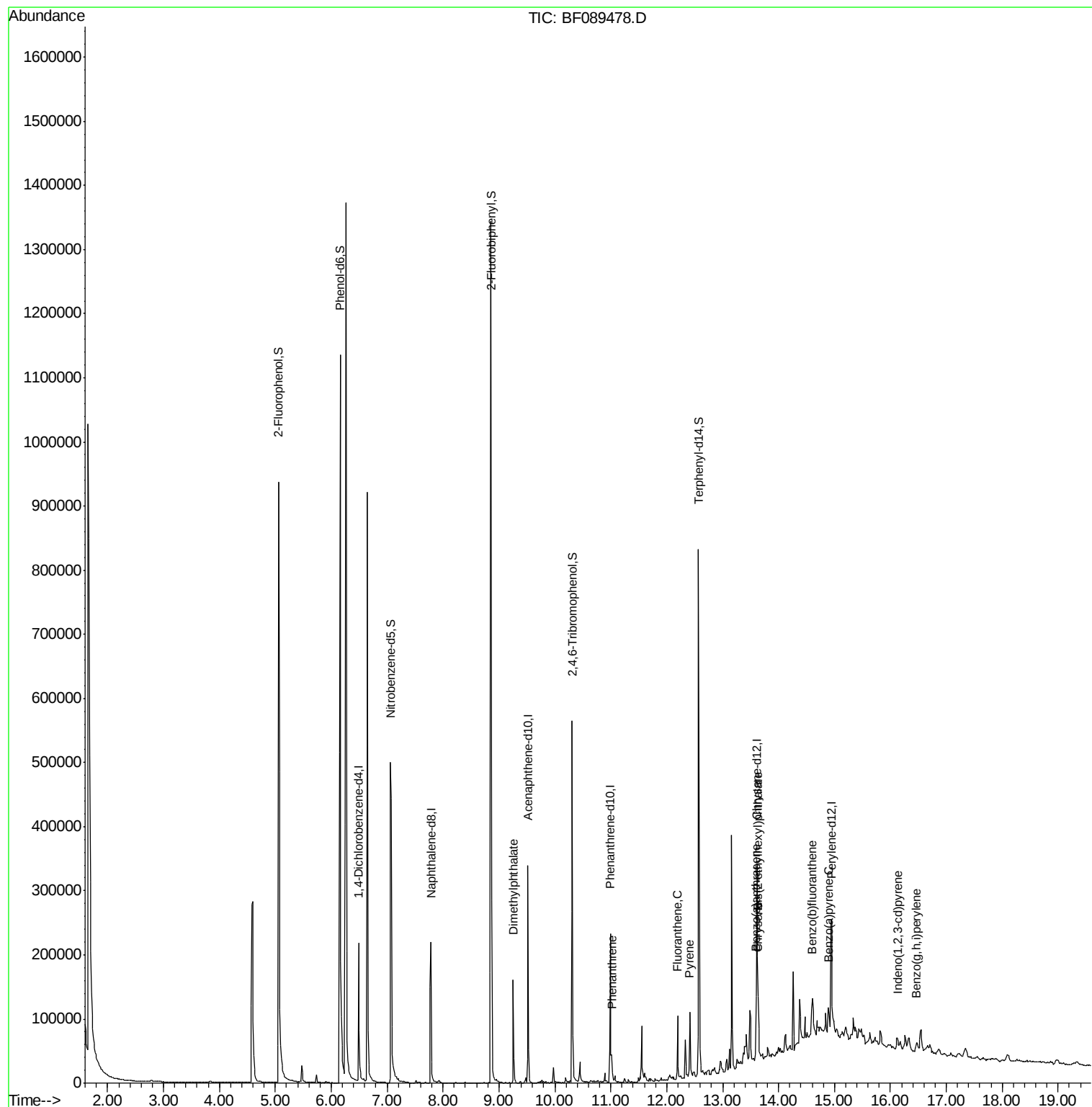
Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089478.D
Acq On : 31 Jul 2016 18:48
Operator : UM/SJ
Sample : H4265-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

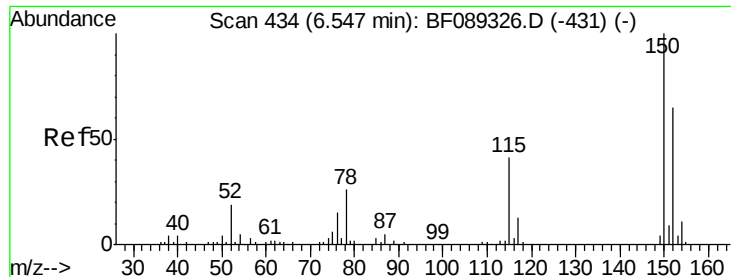
Instrument :
BNA_F
ClientSampleId :
WCUL-COMP(1-5)

Manual Integrations
APPROVED

sohil
8/1/2016 7:17:32 PM

Quant Time: Aug 01 06:01:47 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 04:11:30 2016
Response via : Initial Calibration





#1

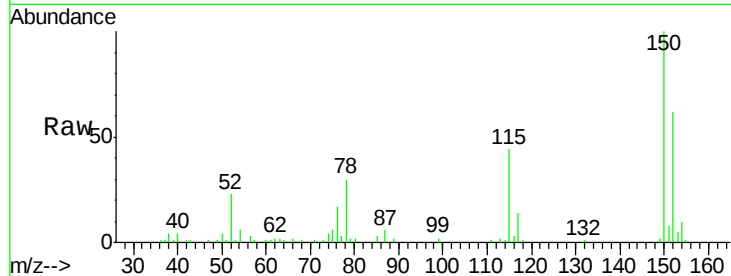
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 429
Delta R.T. -0.01 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

Instrument :
BNA_F
ClientSampleId :
WCUL-COMP(1-5)

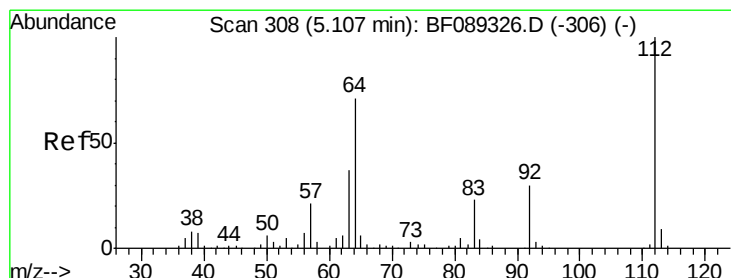
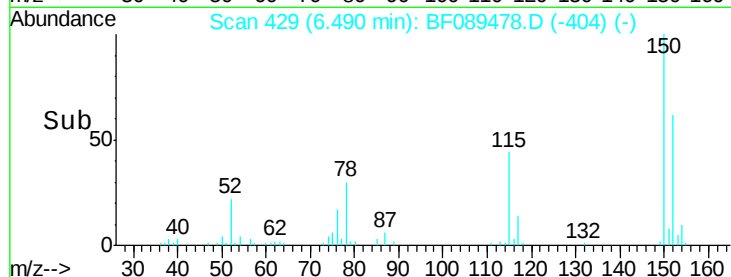
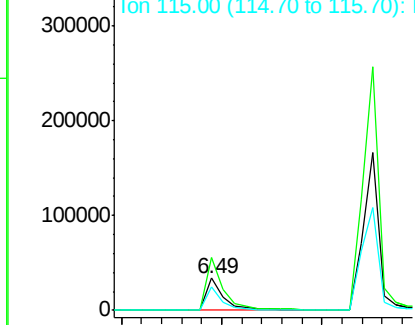
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.8	129.5	194.3
115	70.6	51.4	77.2

Manual Integrations
APPROVED

sohil
8/1/2016 7:17:32 PM



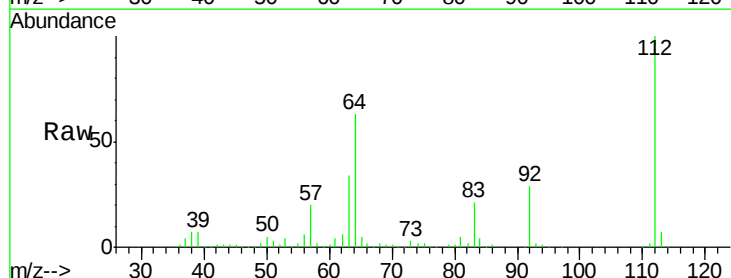
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



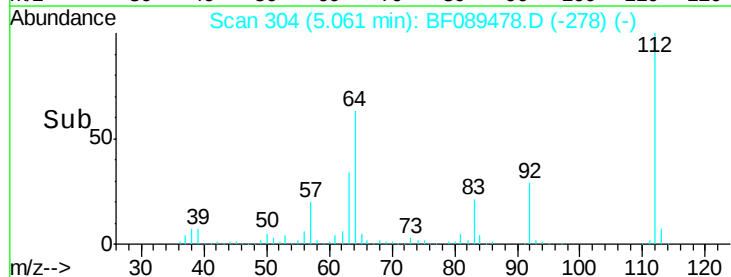
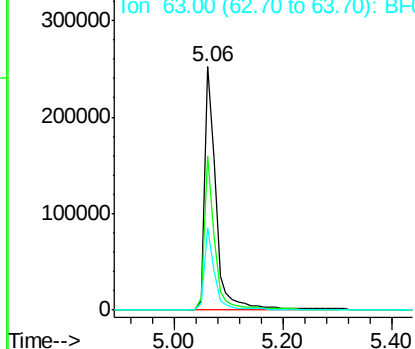
#5

2-Fluorophenol
Concen: 136.42 ng
RT: 5.06 min Scan# 304
Delta R.T. 0.00 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	55.0	82.6
63	33.9	29.4	44.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 147.89 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

Instrument :

BNA_F

ClientSampleId :

WCUL-COMP(1-5)

Tot Ion: 99 Resp: 524649

Ion Ratio Lower Upper

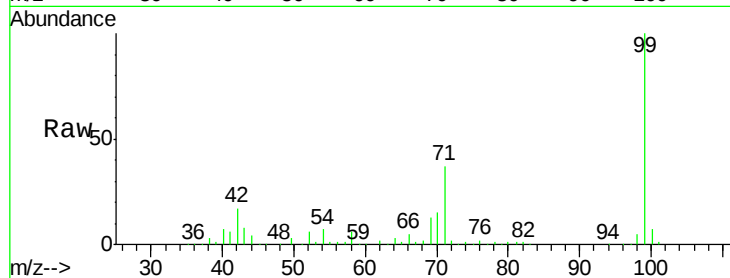
99 100

42 17.0 13.6 20.4

71 37.1 29.4 44.2

Manual Integrations
APPROVED

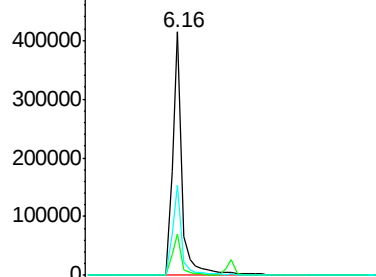
sohil
8/1/2016 7:17:32 PM



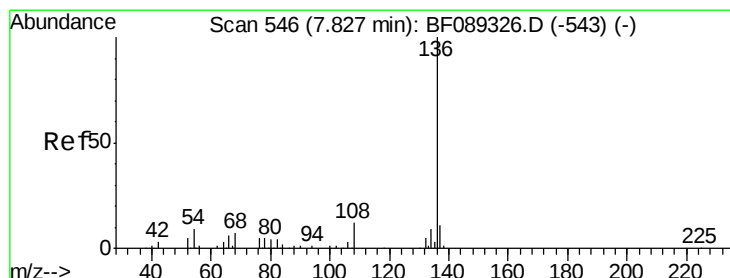
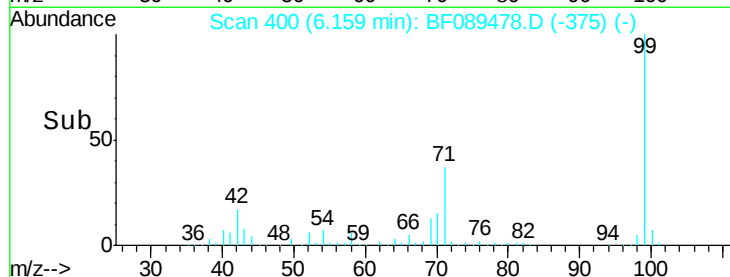
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 542

Delta R.T. -0.01 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

Tgt Ion: 136 Resp: 156798

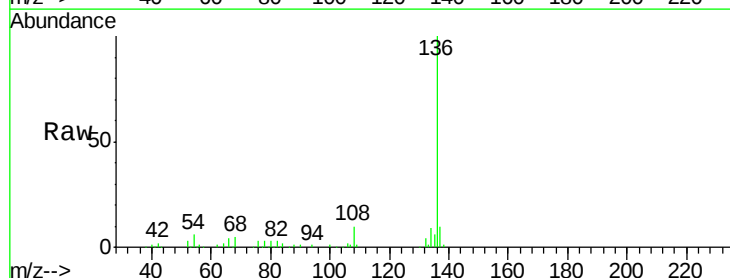
Ion Ratio Lower Upper

136 100

137 10.3 8.6 13.0

54 5.8 7.0 10.4#

68 4.7 4.9 7.3#

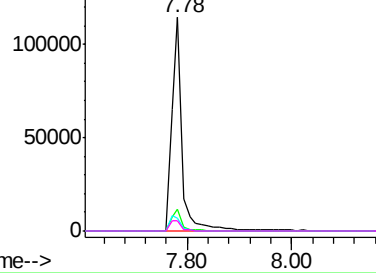


Abundance Ion 136.00 (135.70 to 136.70): E

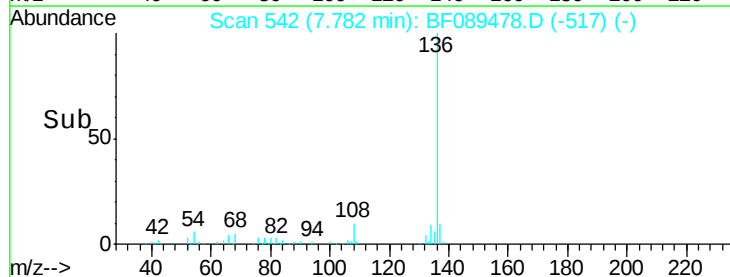
Ion 137.00 (136.70 to 137.70): E

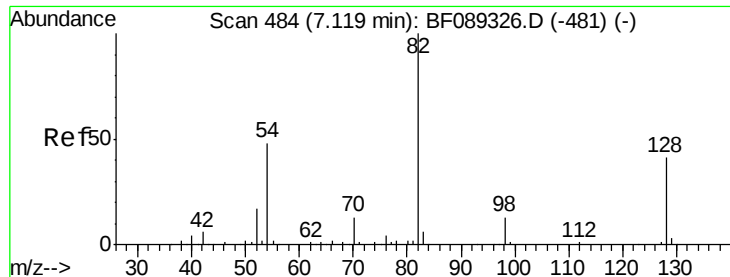
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->





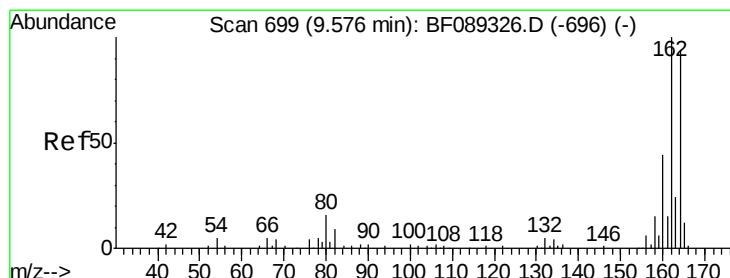
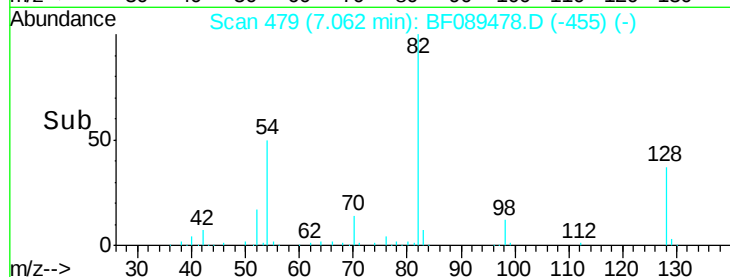
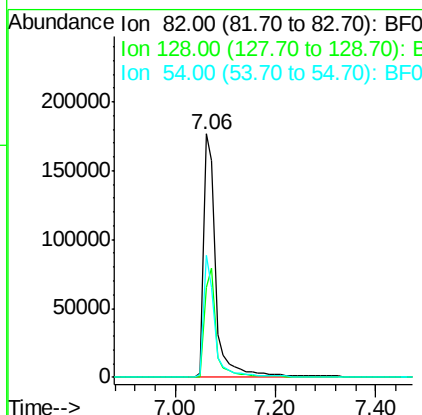
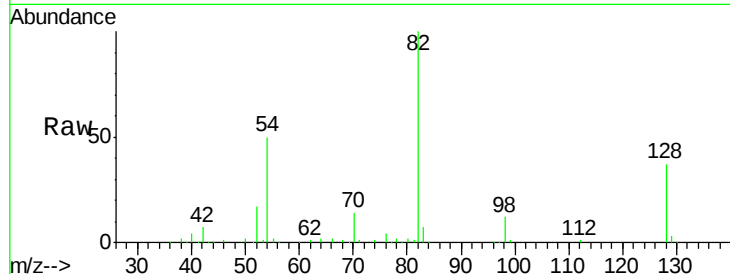
#23
 Nitrobenzene-d5
 Concen: 113.19 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.02 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

Instrument :
 BNA_F
 ClientSampleId :
 WCUL-COMP(1-5)

Tot Ion:	82	Resp:	300676
Ion Ratio	Lower	Upper	
82	100		
128	37.0	32.5	48.7
54	50.2	38.8	58.2

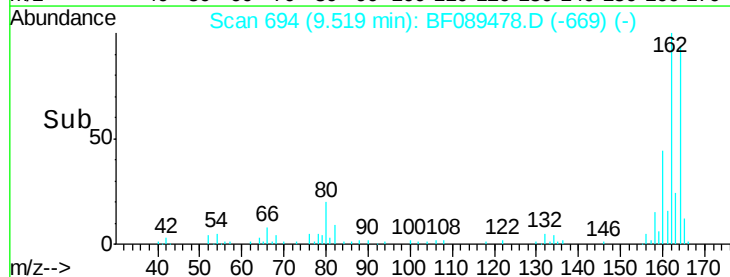
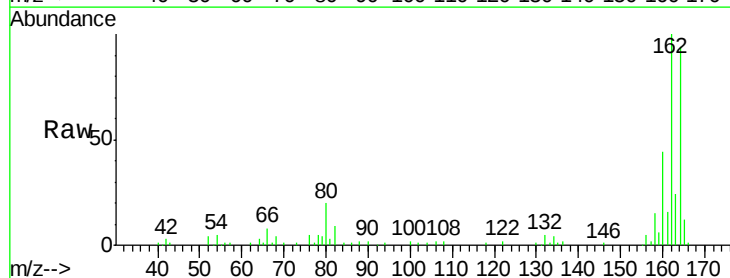
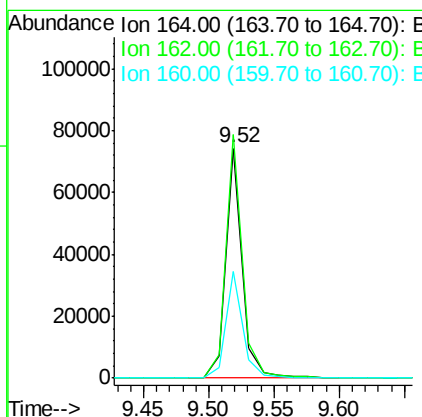
Manual Integrations
 APPROVED

sohil
 8/1/2016 7:17:32 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.01 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

Tgt Ion:	164	Resp:	64864
Ion Ratio	Lower	Upper	
164	100		
162	105.9	83.7	125.5
160	46.5	37.8	56.6





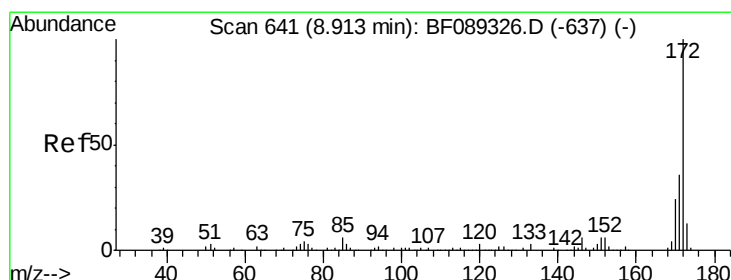
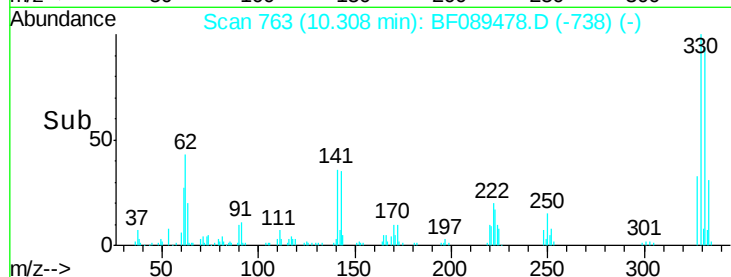
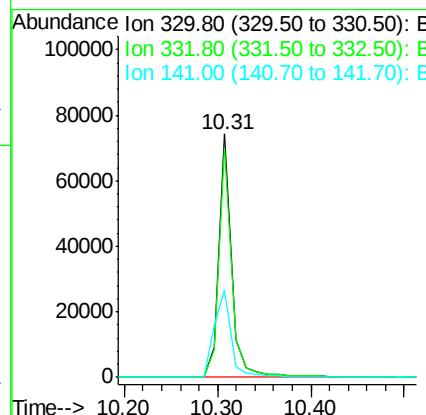
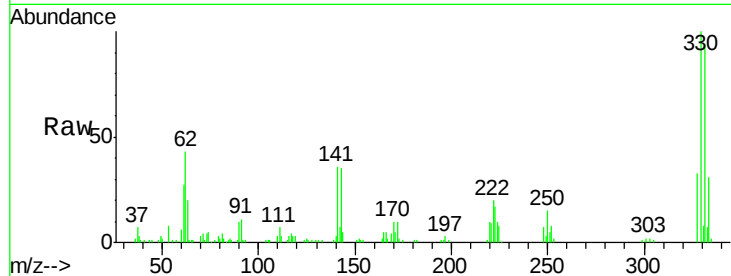
#41
 2,4,6-Tribromophenol
 Concen: 132.14 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

Instrument :
 BNA_F
 ClientSampleId :
 WCUL-COMP(1-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.8	115.2
141	47.5	37.3	55.9

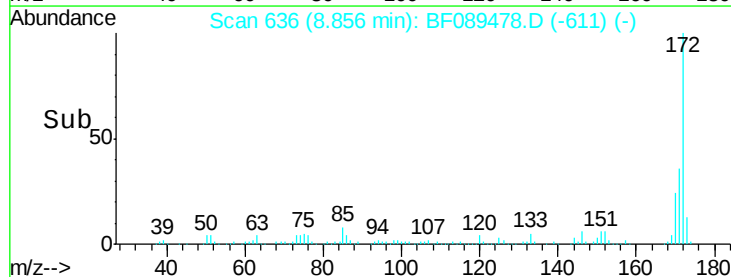
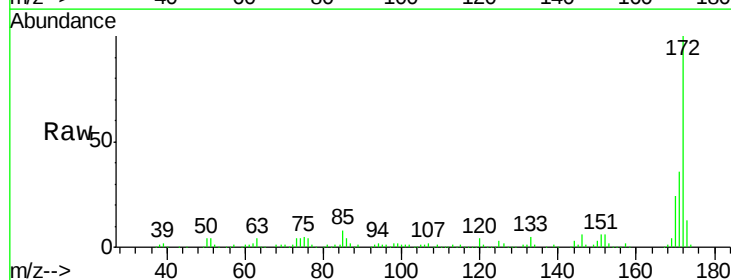
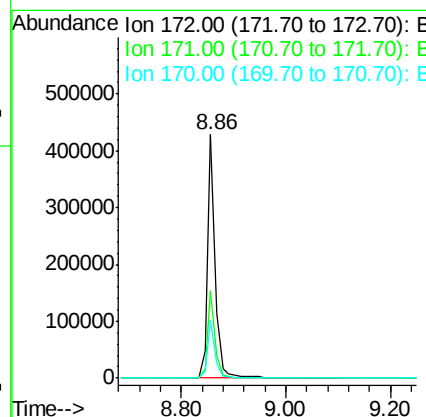
Manual Integrations
 APPROVED

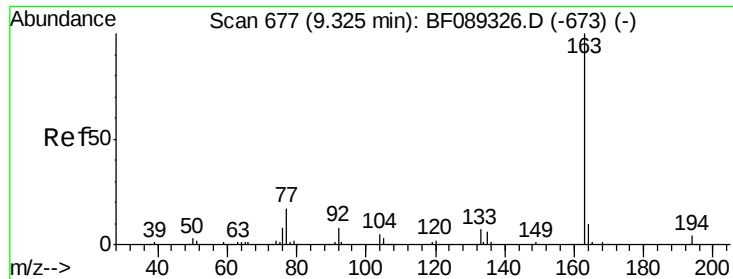
sohil
 8/1/2016 7:17:32 PM



#44
 2-Fluorobiphenyl
 Concen: 100.15 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	23.9	19.2	28.8





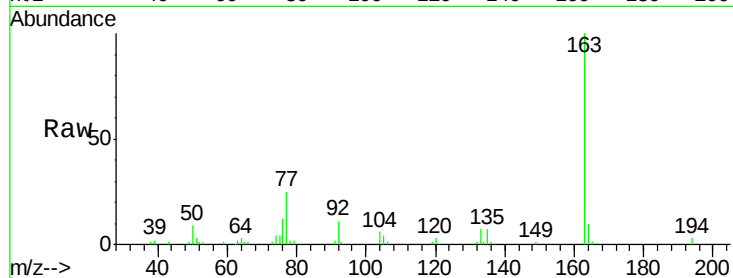
#49
Dimethylphthalate
Concen: 13.48 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.02 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

Instrument :
BNA_F
ClientSampleId :
WCUL-COMP(1-5)

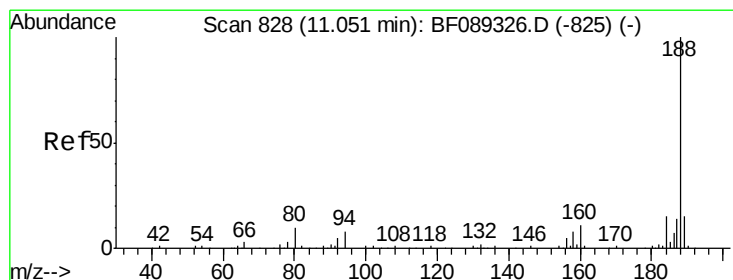
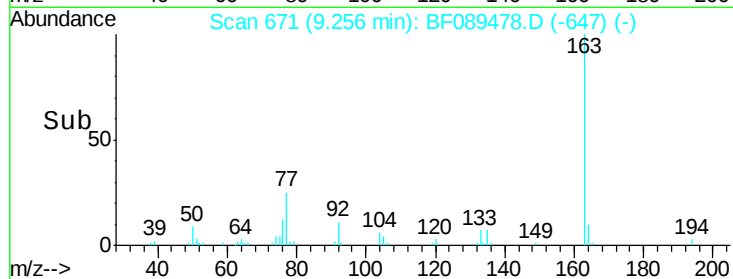
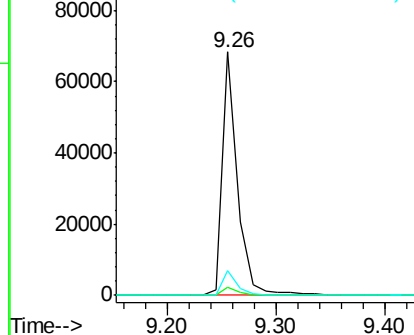
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	10.3	7.8	11.8

Manual Integrations
APPROVED

sohil
8/1/2016 7:17:32 PM

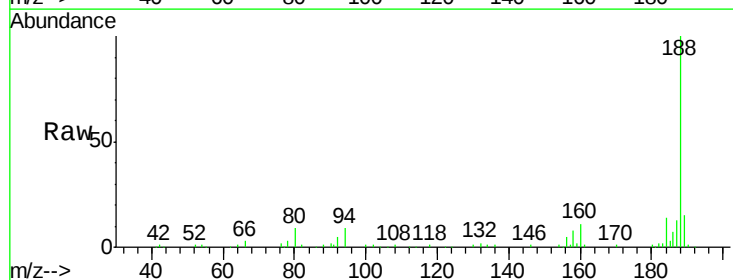


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

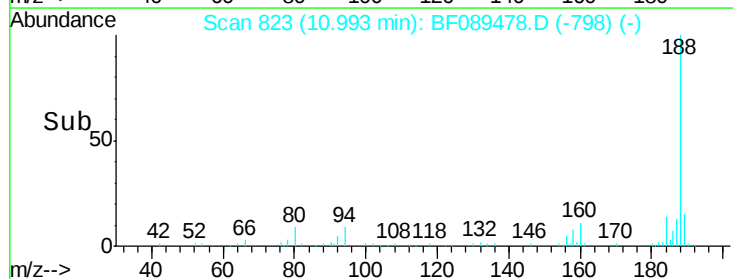
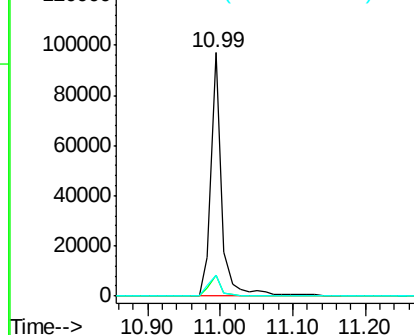


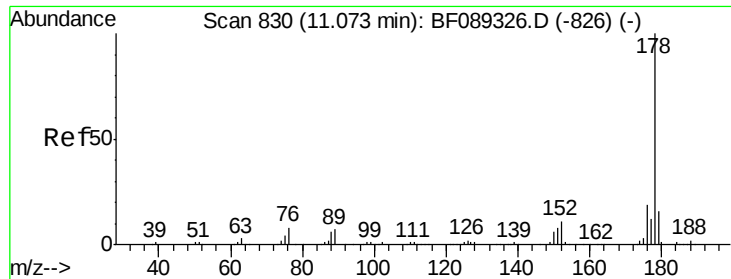
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.5	9.7
80	8.7	7.2	10.8



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





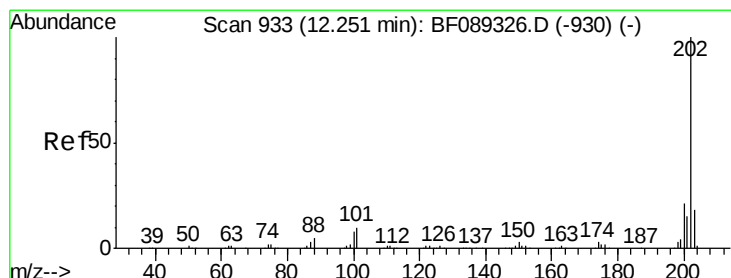
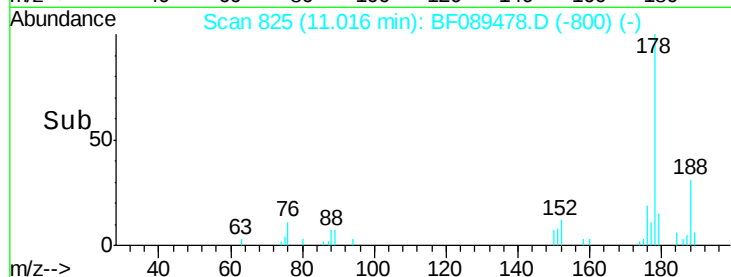
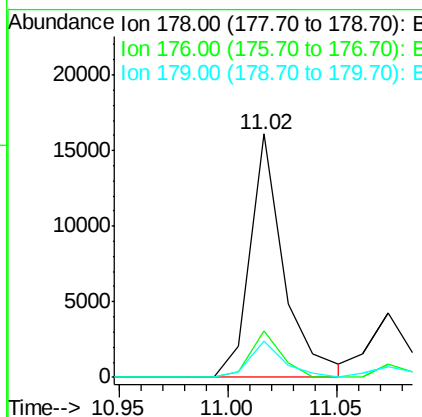
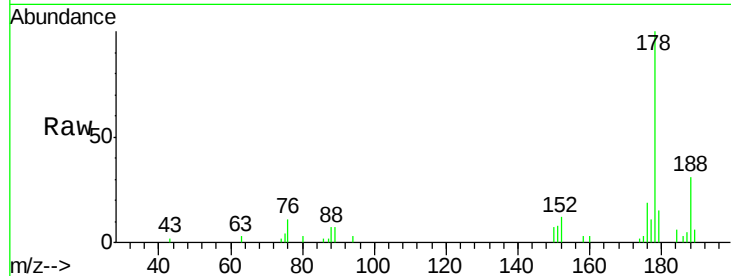
#70
Phenanthrene
Concen: 3.35 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

Instrument :
BNA_F
ClientSampleId :
WCUL-COMP(1-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.2	12.3	18.5

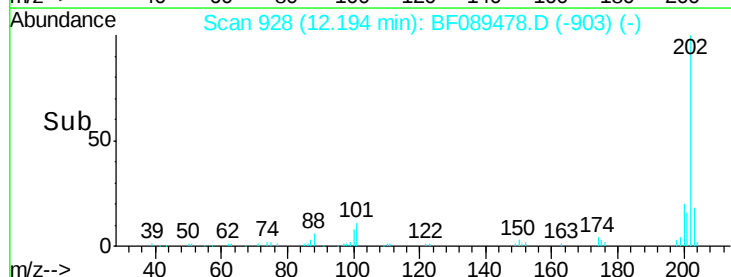
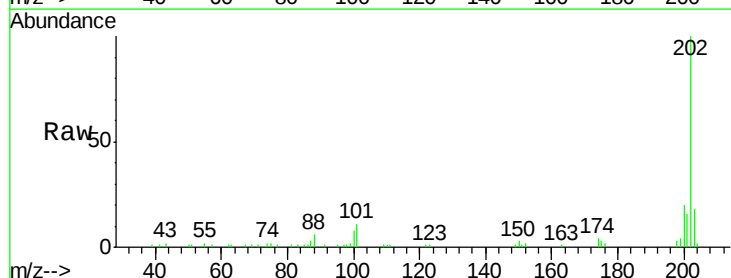
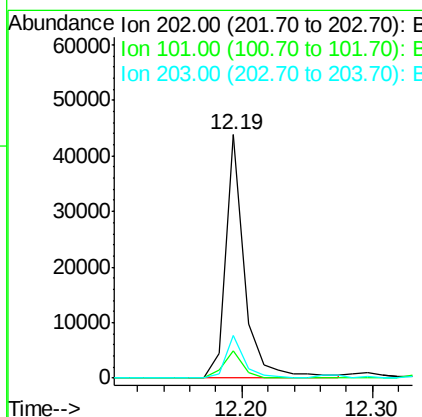
Manual Integrations
APPROVED

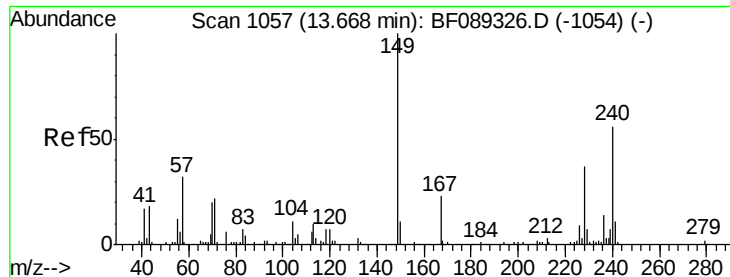
sohil
8/1/2016 7:17:32 PM



#74
Fluoranthene
Concen: 8.10 ng
RT: 12.19 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	29.9
203	17.7	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

Instrument :

BNA_F

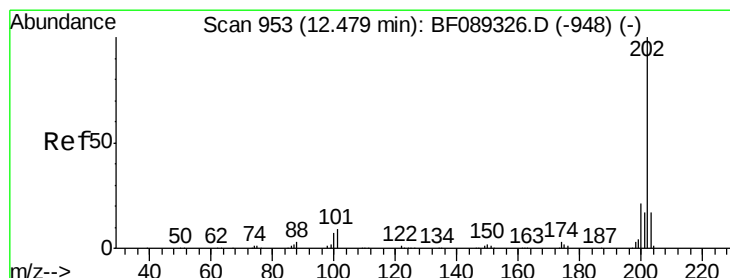
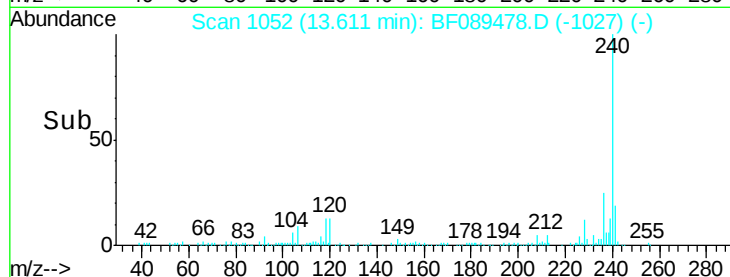
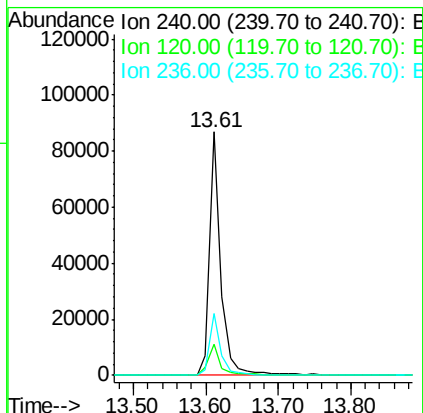
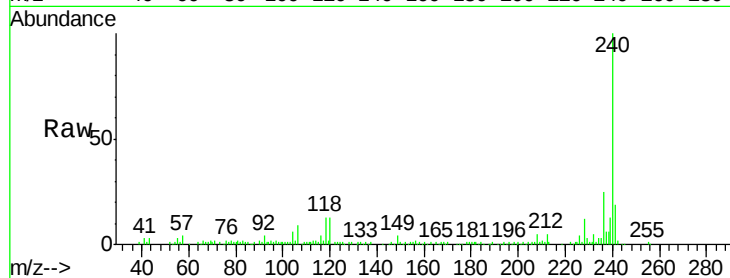
ClientSampleId :

WCUL-COMP(1-5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.1	13.7
236	25.3	20.6	30.8

Manual Integrations
APPROVED

sohil
8/1/2016 7:17:32 PM



#77

Pyrene

Concen: 5.41 ng m

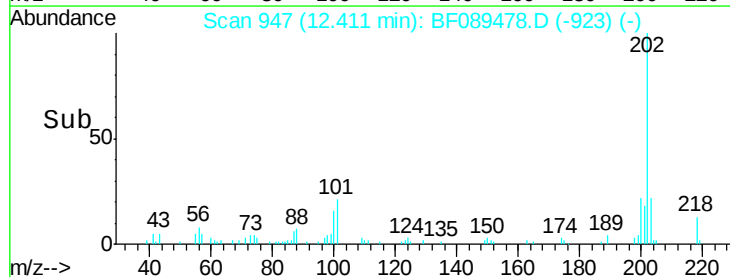
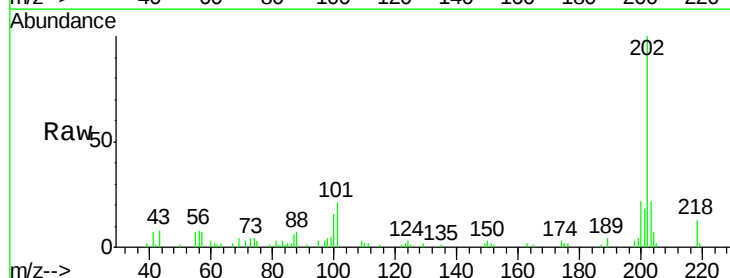
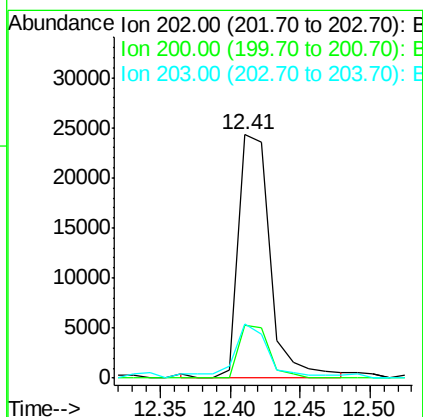
RT: 12.41 min Scan# 947

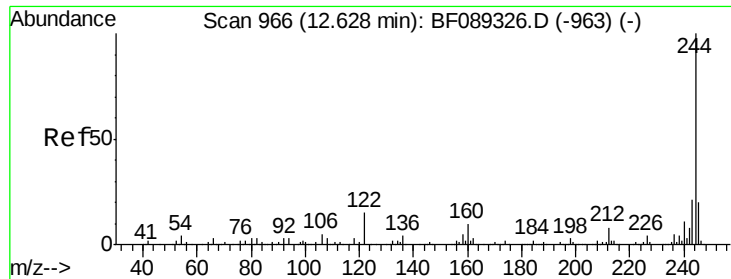
Delta R.T. -0.02 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	22.4	14.0	21.0





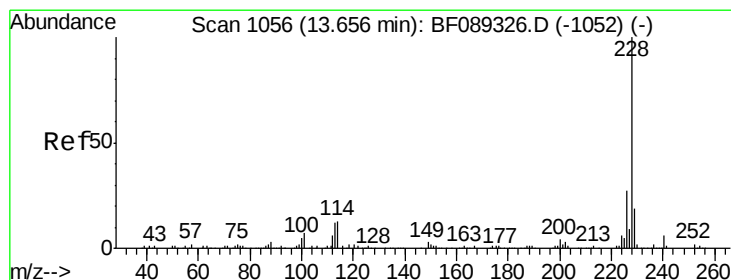
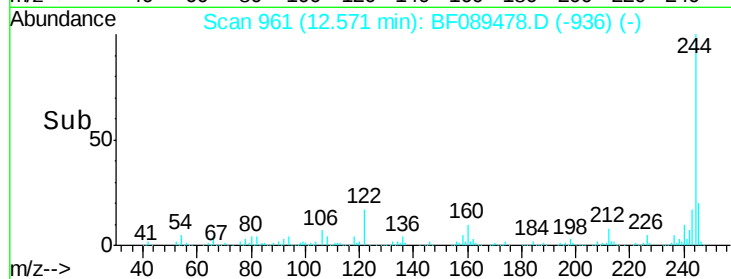
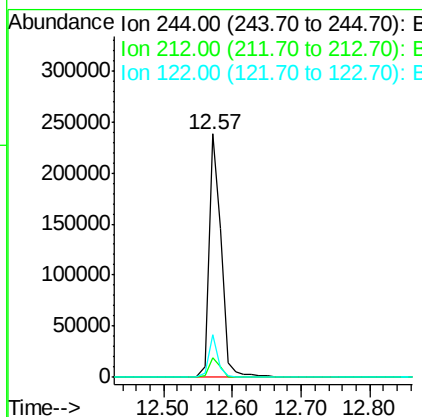
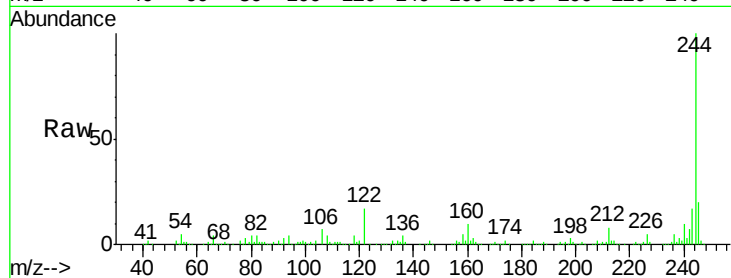
#78
 Terphenyl-d14
 Concen: 73.15 ng
 RT: 12.57 min Scan# 961
 Delta R.T. -0.01 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

Instrument :
 BNA_F
 ClientSampleId :
 WCUL-COMP(1-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.5	9.7
122	17.4	11.4	17.0

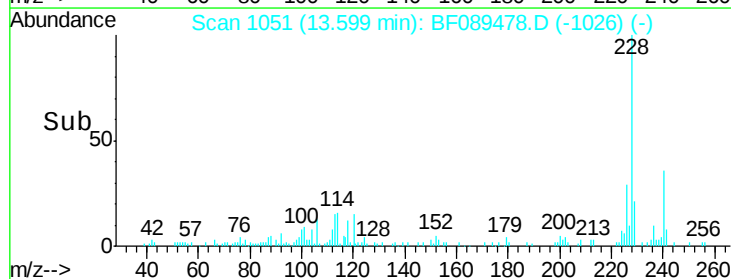
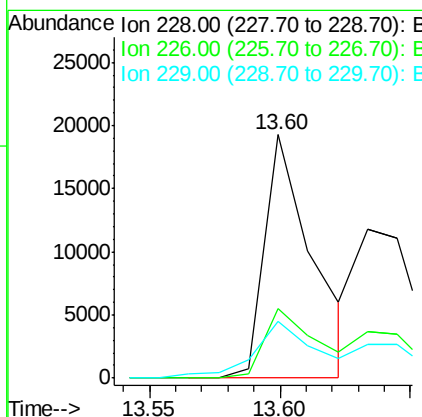
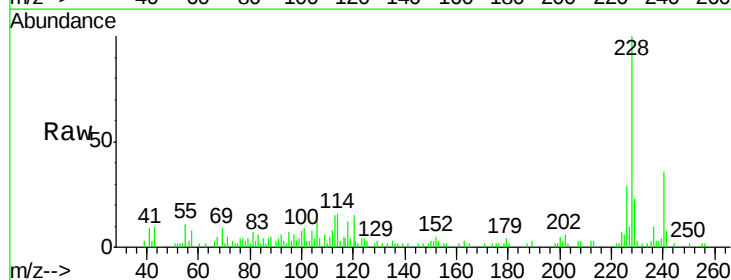
Manual Integrations
 APPROVED

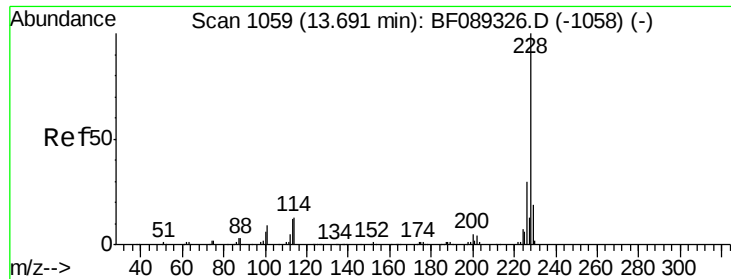
sohil
 8/1/2016 7:17:32 PM



#80
 Benzo(a)anthracene
 Concen: 4.66 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.4	32.2
229	23.2	15.9	23.9





#82

Chrysene

Concen: 3.54 ng/mL

RT: 13.63 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

Instrument :

BNA_F

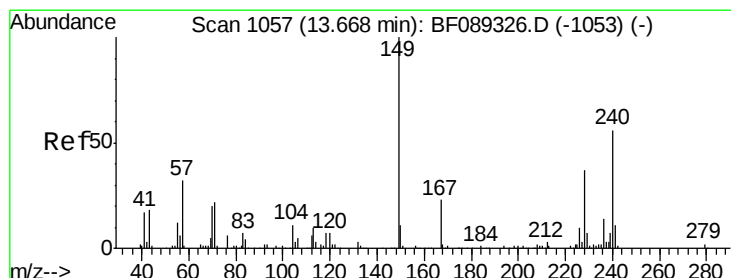
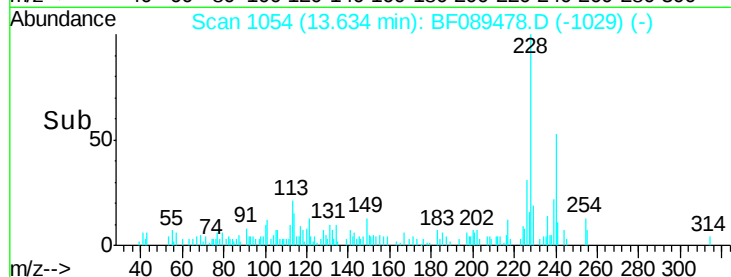
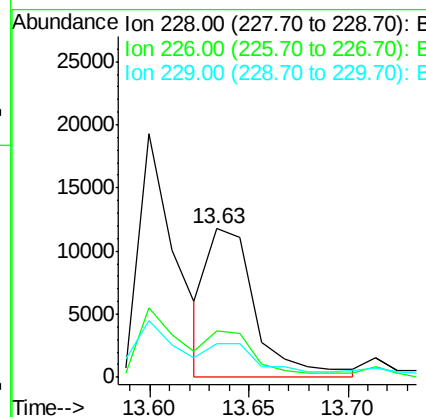
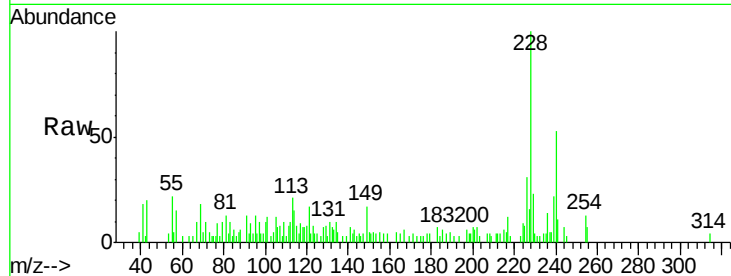
ClientSampleId :

WCUL-COMP(1-5)

Tot Ion:	228	Resp:	20026
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.2	36.2
229	22.5	15.9	23.9

Manual Integrations
APPROVED

sohil
8/1/2016 7:17:32 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.34 ng/mL

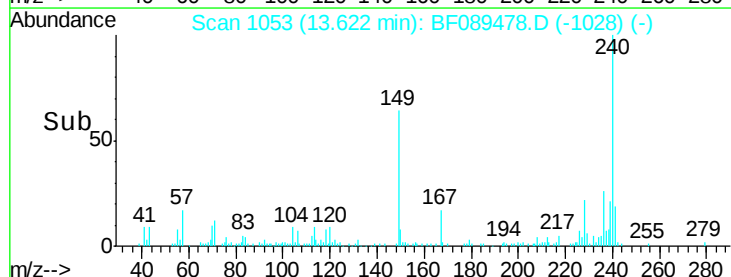
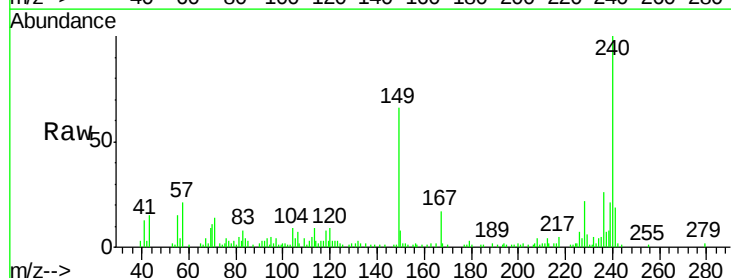
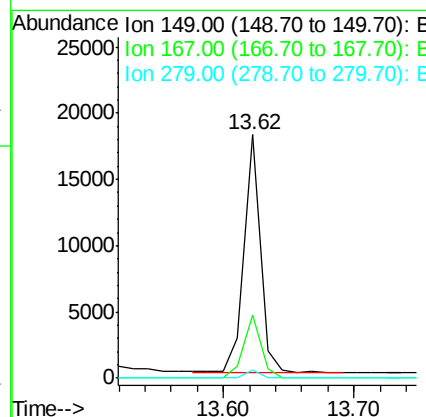
RT: 13.62 min Scan# 1053

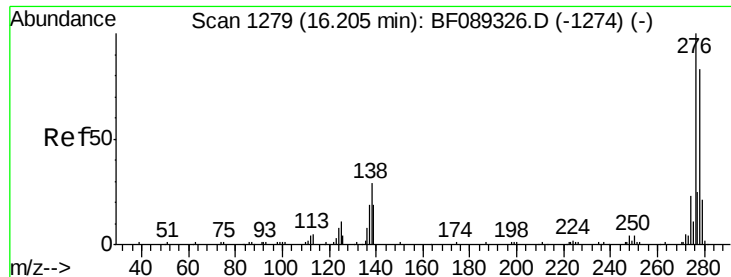
Delta R.T. -0.01 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

Tgt Ion:	149	Resp:	15677
Ion	Ratio	Lower	Upper
149	100		
167	26.0	18.8	28.2
279	3.3	1.4	2.0#





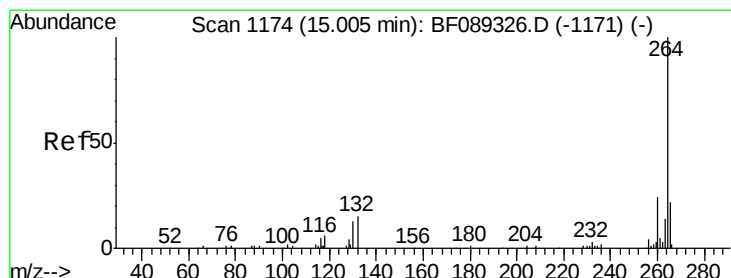
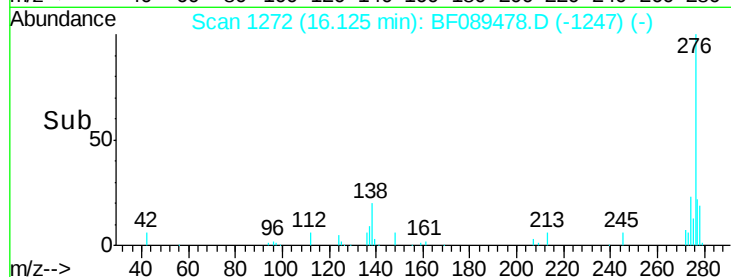
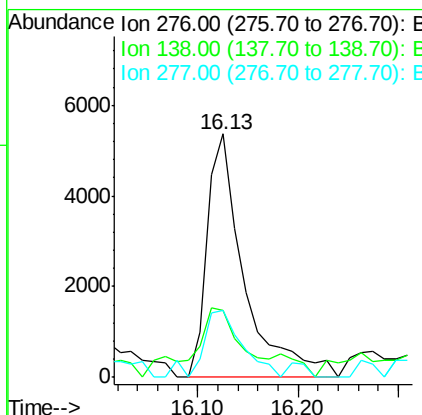
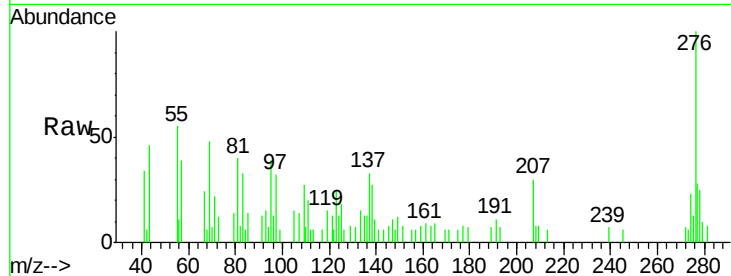
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.42 ng
RT: 16.13 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

Instrument :
BNA_F
ClientSampleId :
WCUL-COMP(1-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	37.4	23.0	34.4#
277	29.3	20.2	30.4

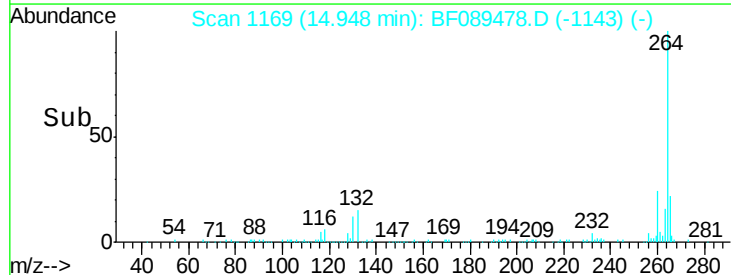
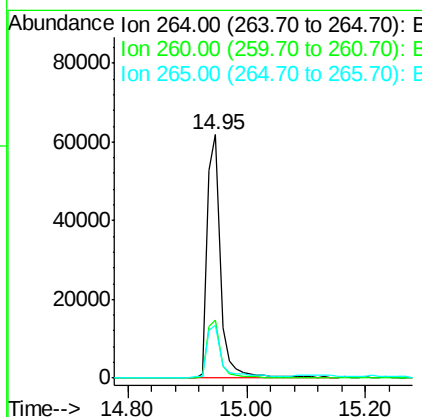
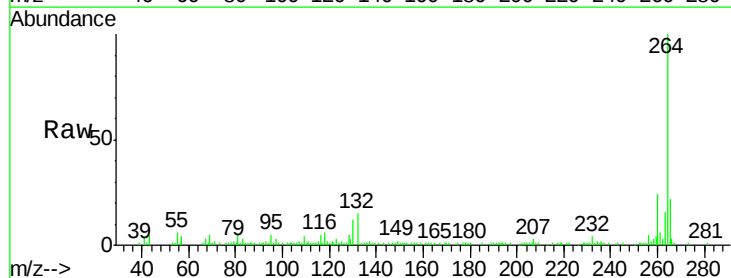
Manual Integrations
APPROVED

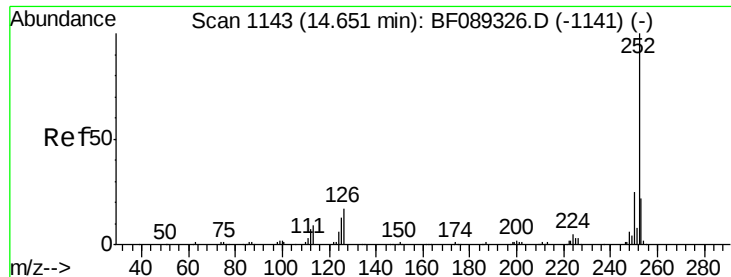
sohil
8/1/2016 7:17:32 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 4.84 ng

RT: 14.61 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

Instrument :

BNA_F

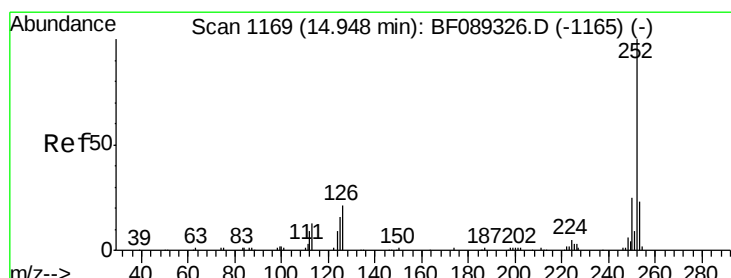
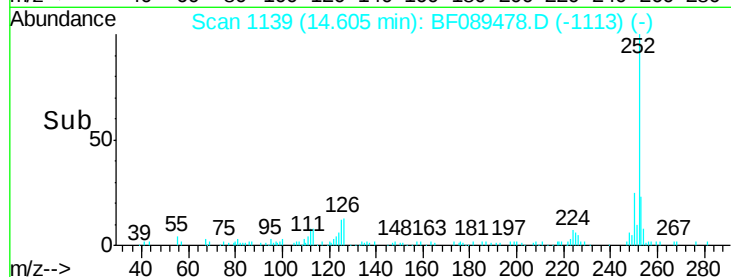
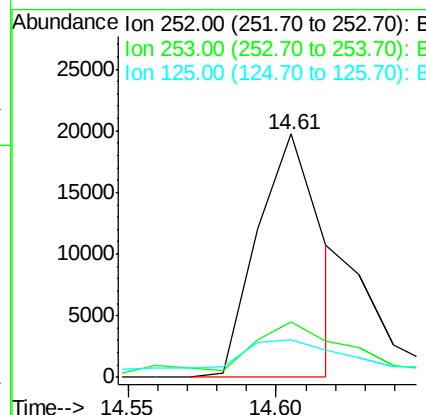
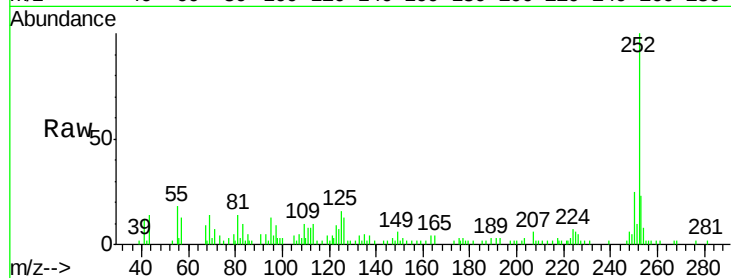
ClientSampleId :

WCUL-COMP(1-5)

Tot Ion:	252	Resp:	29453
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	15.5	9.7	14.5#

Manual Integrations
APPROVED

sohil
8/1/2016 7:17:32 PM



#89

Benzo(a)pyrene

Concen: 3.86 ng

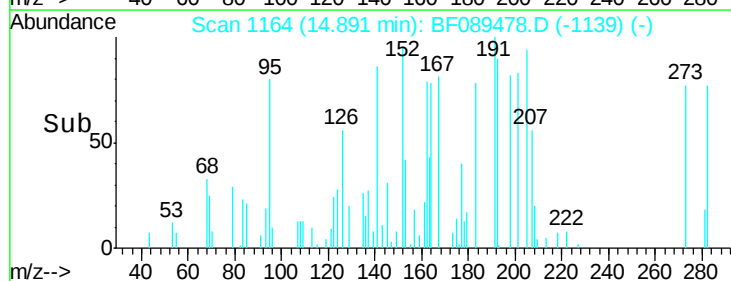
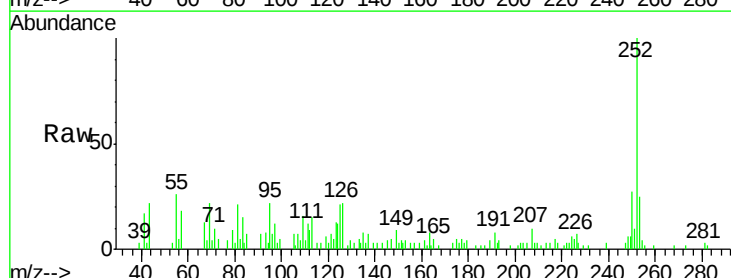
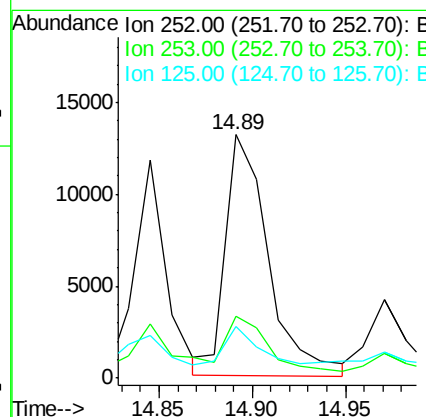
RT: 14.89 min Scan# 1164

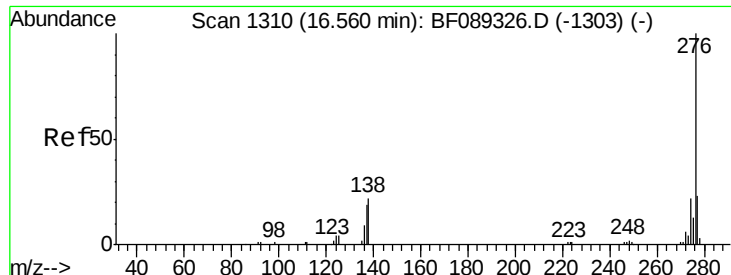
Delta R.T. -0.01 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

Tgt Ion:	252	Resp:	21050
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.4	26.2
125	21.1	12.4	18.6#





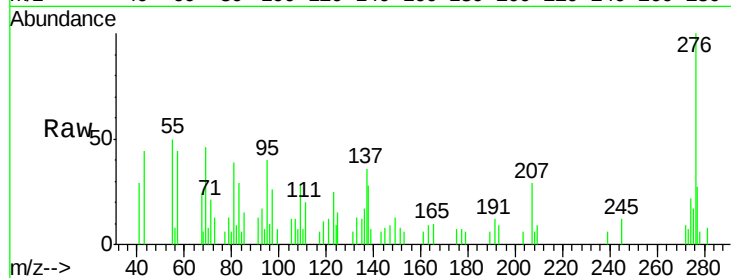
#91
 Benzo(a,h,i)perylene
 Concen: 2.93 ng
 RT: 16.47 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

Instrument :
 BNA_F
 ClientSampleId :
 WCUL-COMP(1-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.6	28.0
138	28.3	21.4	32.0

Manual Integrations
 APPROVED

sohil
 8/1/2016 7:17:32 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

