

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
 Data File : BF086300.D
 Acq On : 20 Apr 2016 10:18
 Operator : UM/SJ
 Sample : SSTDICC02.5
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC02.5

Manual Integrations
 APPROVED

sohil
 4/21/2016 7:07:17 PM

Quant Time: Apr 20 15:00:33 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 20 12:37:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	276617	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1147945	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	496441	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	788428	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	496920	20.00	ng	0.00
86) Perylene-d12	15.44	264	470833	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	76166	4.51	ng	-0.01
7) Phenol-d6	6.49	99	118105	5.59	ng	-0.01
23) Nitrobenzene-d5	7.42	82	119391	6.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	20565	5.16	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	217460	8.08	ng	-0.01
78) Terphenyl-d14	0.00	244	0d	0.00	ng	

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.49	88	22523	2.42	ng	97
6) Aniline	6.52	93	69126	2.27	ng	91
8) 2-Chlorophenol	6.64	128	57628	3.02	ng	97
9) Benzaldehyde	6.41	77	41880m	2.80	ng	
11) bis(2-Chloroethyl)ether	6.59	93	62402	3.30	ng	90
12) 1,3-Dichlorobenzene	6.80	146	59381	2.93	ng	97
13) 1,4-Dichlorobenzene	6.88	146	66195	3.43	ng	99
14) 1,2-Dichlorobenzene	7.04	146	57522	3.36	ng	99
15) Benzyl Alcohol	7.01	79	30835	2.06	ng	88
16) 2,2'-oxybis(1-Chloropropan	7.14	45	78933	2.68	ng	86
17) 2-Methylphenol	7.12	107	41245	2.59	ng	95
18) Hexachloroethane	7.38	117	15339	2.11	ng	90
19) n-Nitroso-di-n-propylamine	7.26	70	36841	2.73	ng	# 89
24) Nitrobenzene	7.44	77	61119	2.81	ng	# 88
25) Isophorone	7.68	82	104918	2.66	ng	# 94
27) 2,4-Dimethylphenol	7.80	122	59421	3.10	ng	98
28) bis(2-Chloroethoxy)methane	7.90	93	65813	2.83	ng	98
29) 2,4-Dichlorophenol	8.01	162	37918	2.60	ng	94
30) 1,2,4-Trichlorobenzene	8.09	180	47528	3.12	ng	99
33) 4-Chloroaniline	8.22	127	63572	2.77	ng	# 94
34) Hexachlorobutadiene	8.29	225	23958	3.14	ng	98
36) 4-Chloro-3-methylphenol	8.69	107	45756	2.71	ng	93
37) 2-Methylnaphthalene	8.86	142	98221	2.96	ng	98
42) 2,4,6-Trichlorophenol	9.14	196	23002	2.35	ng	99
43) 2,4,5-Trichlorophenol	9.17	196	28132	2.98	ng	# 91
47) 2-Nitroaniline	9.45	65	24018	2.54	ng	# 73
49) Dimethylphthalate	9.62	163	117264	3.25	ng	99
50) 2,6-Dinitrotoluene	9.68	165	17817	2.23	ng	# 57
52) 3-Nitroaniline	9.85	138	25126	2.59	ng	# 95
56) 2,4-Dinitrotoluene	10.09	165	21486	2.10	ng	# 95
58) 2,3,4,6-Tetrachlorophenol	10.22	232	14164	2.06	ng	# 96
59) Diethylphthalate	10.32	149	115455	3.10	ng	95
61) 4-Nitroaniline	10.46	138	24344	2.90	ng	88
62) Azobenzene	10.60	77	105721	2.90	ng	92

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
 Data File : BF086300.D
 Acq On : 20 Apr 2016 10:18
 Operator : UM/SJ
 Sample : SSTDICC02.5
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC02.5

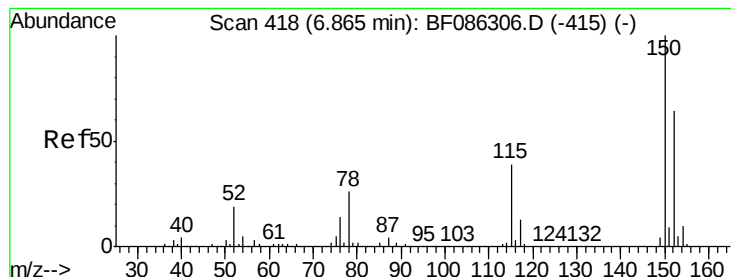
Manual Integrations
 APPROVED

sohil
 4/21/2016 7:07:17 PM

Quant Time: Apr 20 15:00:33 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 20 12:37:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Bromophenyl-phenylether	10.93	248	26071	3.55	nq	95
67) Hexachlorobenzene	10.99	284	25896	3.36	nq	93
68) Atrazine	11.08	200	24477	3.31	nq	97
72) Carbazole	11.62	167	109715	3.06	nq	96
74) Fluoranthene	12.59	202	106063	2.75	nq	97
76) Benzidine	12.72	184	62820	3.26	nq	97
77) Pyrene	12.82	202	106630	2.80	nq	98
79) Butylbenzylphthalate	13.45	149	45585	2.59	nq	96
80) Benzo(a)anthracene	14.01	228	75278	2.76	nq	98
81) 3,3'-Dichlorobenzidine	13.97	252	49594	3.14	nq	# 98
82) Chrysene	14.04	228	80619	2.77	nq	99
83) Bis(2-ethylhexyl)phthalate	14.01	149	65058	3.42	nq	96
84) Di-n-octyl phthalate	14.61	149	107904	2.94	nq	96
85) Indeno(1,2,3-cd)pyrene	16.83	276	69395	2.90	nq	96
88) Benzo(k)fluoranthene	15.06	252	58018m	2.19	nq	
89) Benzo(a)pyrene	15.38	252	69547	2.76	nq	99
90) Dibenzo(a,h)anthracene	16.84	278	59577	2.68	nq	98
91) Benzo(g,h,i)perylene	17.24	276	53918	2.28	nq	94

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



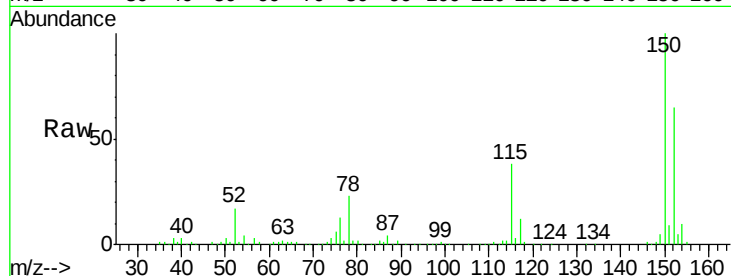
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC02.5

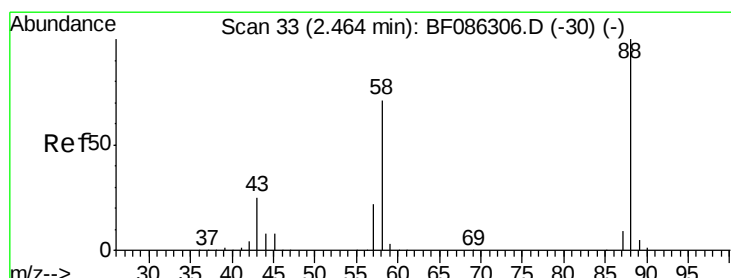
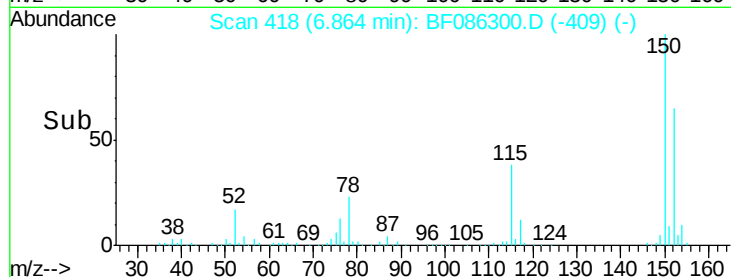
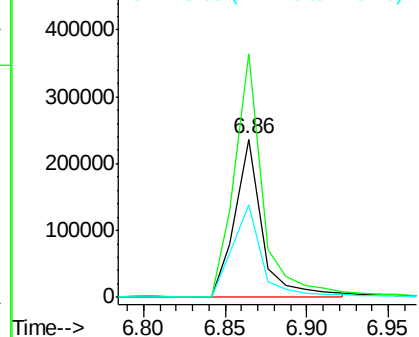
Tot Ion	Ratio	Resp	Lower	Upper
152	100	276617		
150	154.3	124.1	186.1	
115	58.3	43.9	65.9	

Manual Integrations
 APPROVED

sohil
 4/21/2016 7:07:17 PM

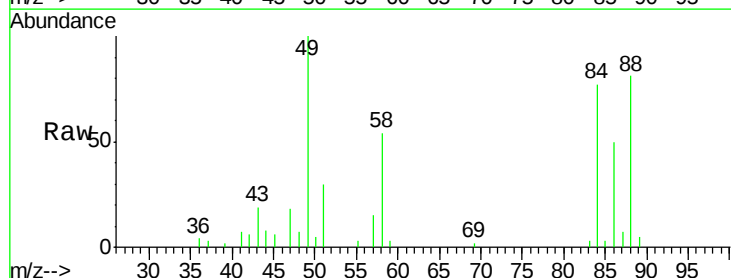


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

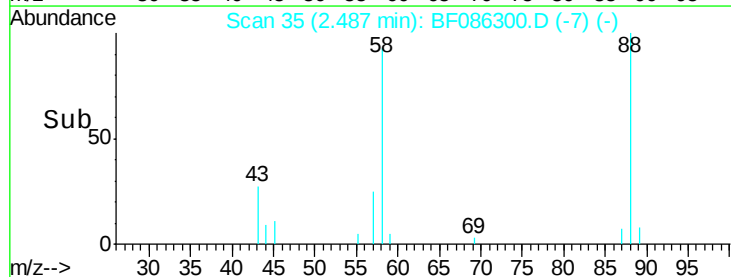
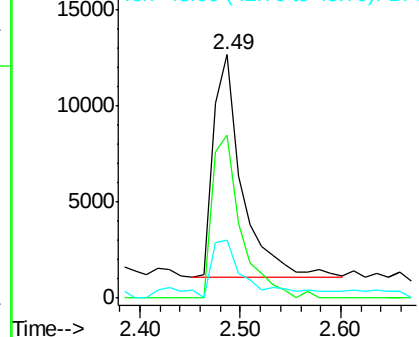


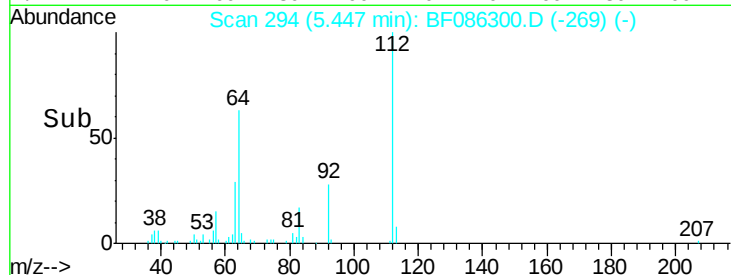
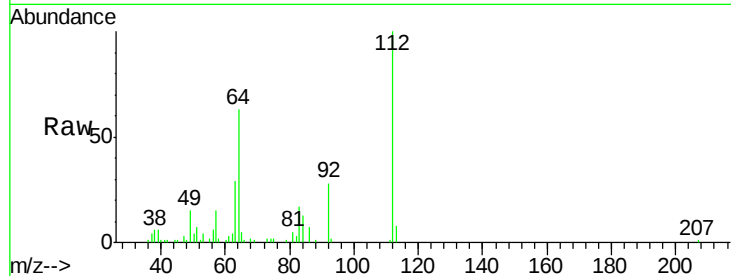
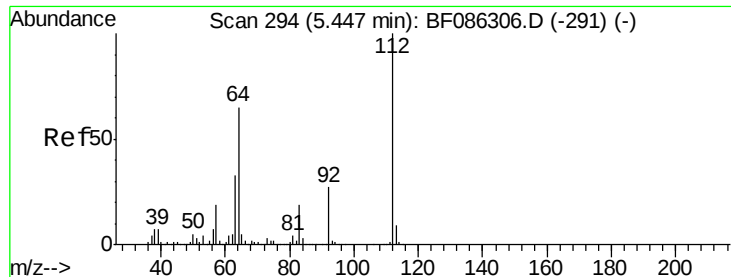
#2
 1,4-Dioxane
 Concen: 2.42 ng
 RT: 2.49 min Scan# 35
 Delta R.T. 0.02 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	22523		
58	74.7	58.4	87.6	
43	25.4	23.3	34.9	



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 4.51 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.01 min

Lab File: BF086300.D

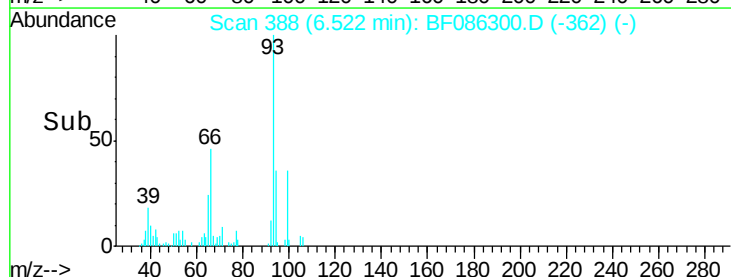
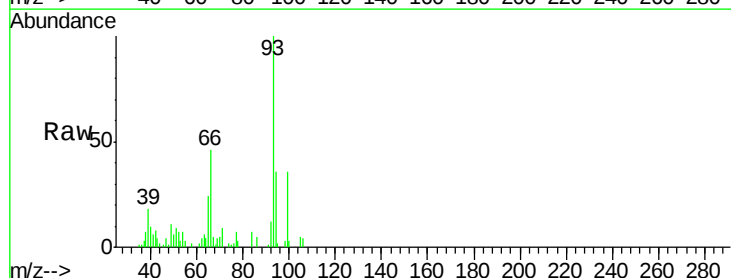
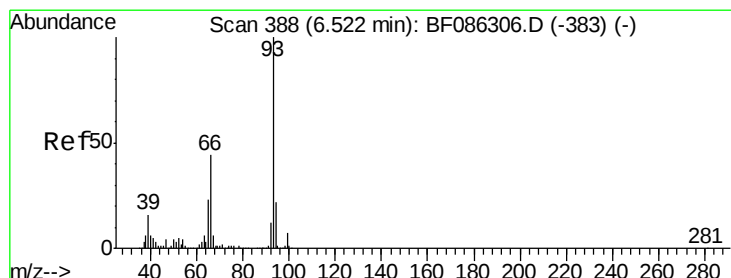
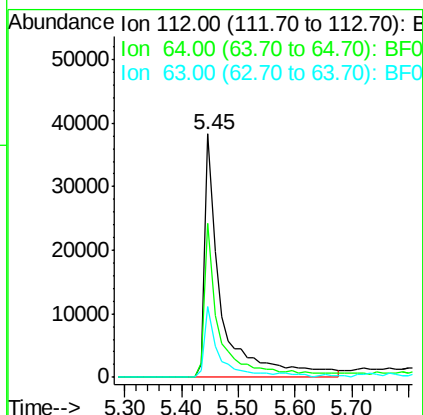
Acq: 20 Apr 2016 10:18

Tot Ion:	112	Resp:	76166
Ion Ratio	Lower	Upper	
112	100		
64	63.2	48.1	72.1
63	28.9	25.5	38.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC02.5

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM



#6

Aniline

Concen: 2.27 ng

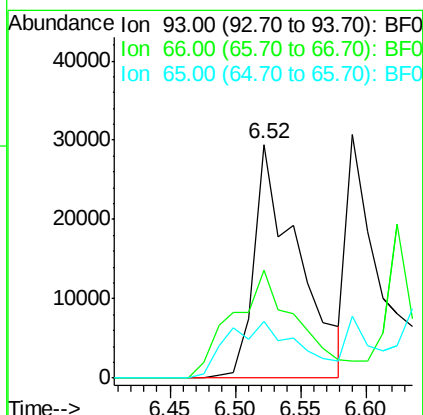
RT: 6.52 min Scan# 388

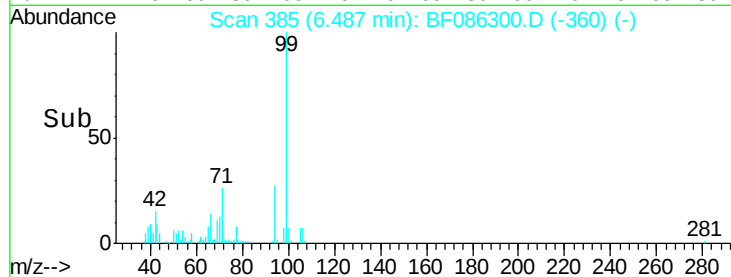
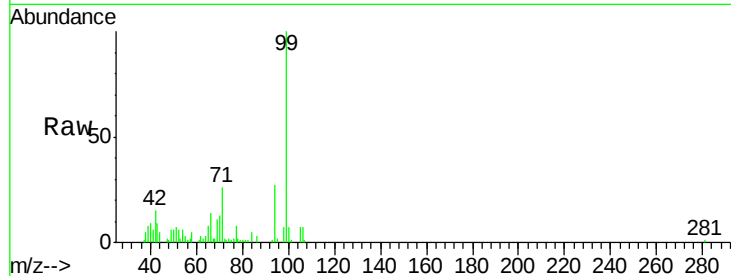
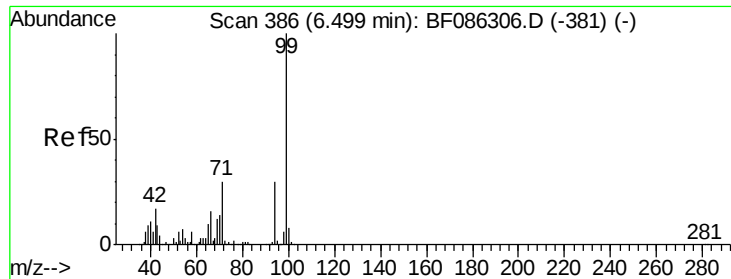
Delta R.T. 0.00 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Tgt Ion:	93	Resp:	69126
Ion Ratio	Lower	Upper	
93	100		
66	46.3	32.2	48.2
65	24.0	16.4	24.6





#7

Phenol-d6

Concen: 5.59 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.01 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Tot Ion:	99	Resp:	118105
Ion Ratio	Lower	Upper	
99	100		
42	14.8	15.4	23.2#
71	26.3	25.6	38.4

Instrument :

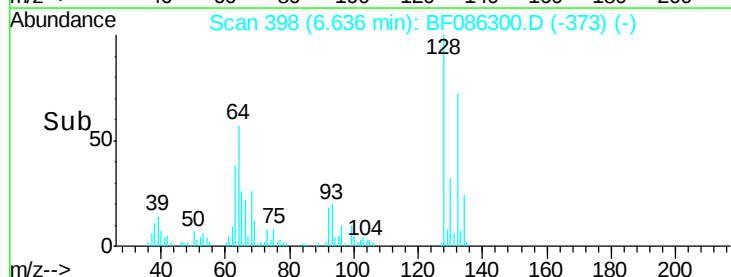
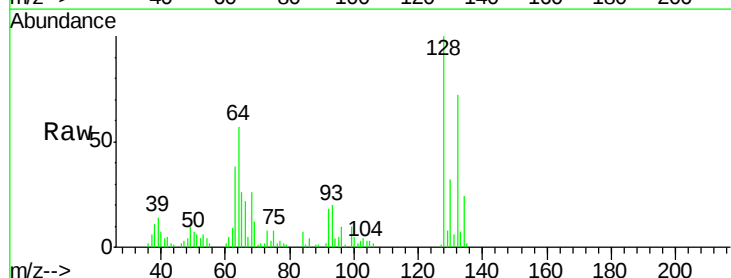
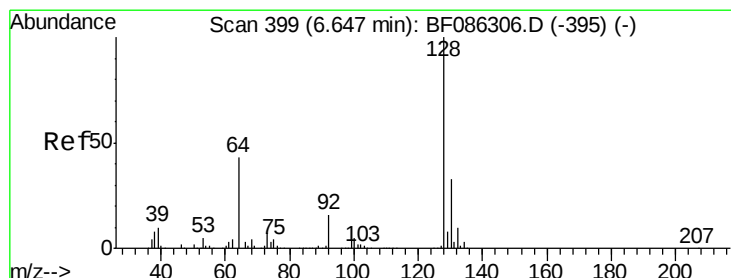
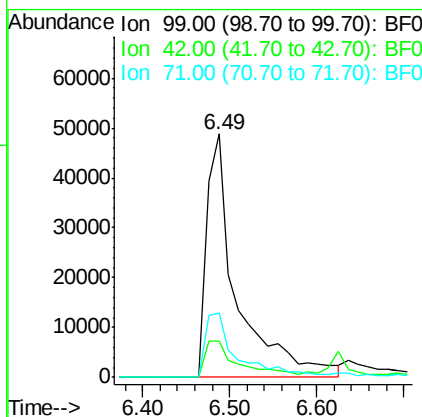
BNA_F

ClientSampleId :

SSTDIC02.5

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM



#8

2-Chlorophenol

Concen: 3.02 ng

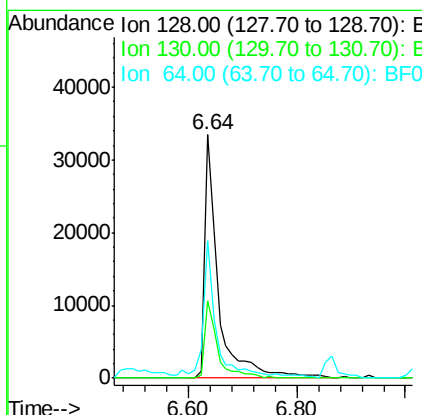
RT: 6.64 min Scan# 398

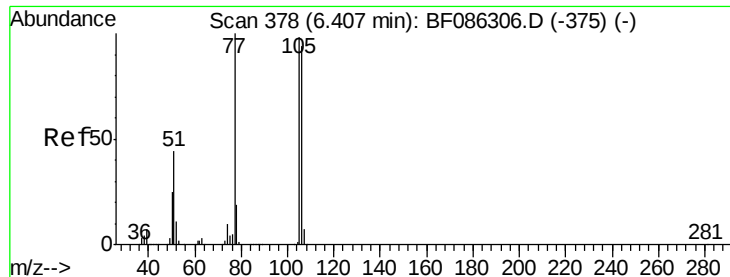
Delta R.T. -0.01 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Tgt Ion:	128	Resp:	57628
Ion Ratio	Lower	Upper	
128	100		
130	31.9	11.8	51.8
64	56.5	39.5	79.5





#9

Benzaldehyd

Concen: 2.80 ng/mL

RT: 6.41 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Instrument :

BNA_F

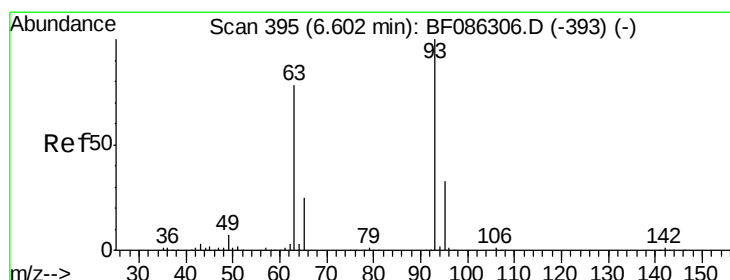
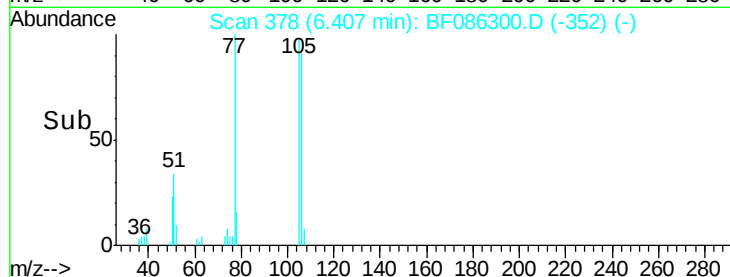
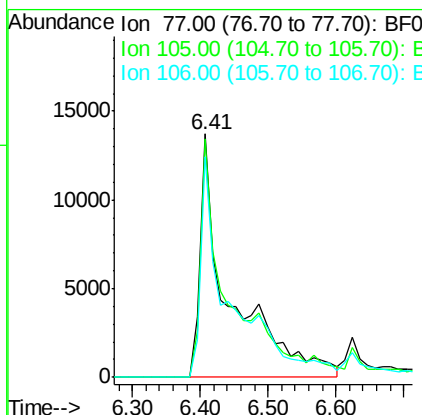
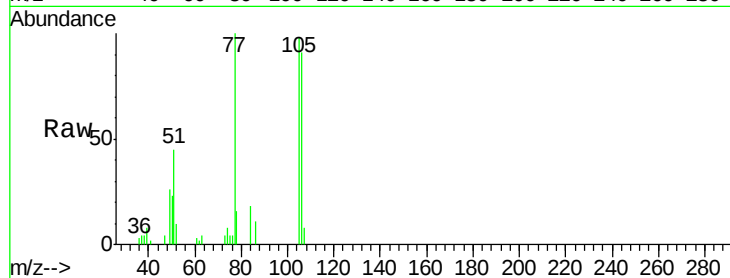
ClientSampleId :

SSTDIC02.5

Tot Ion:	77	Resp:	41880
Ion	Ratio	Lower	Upper
77	100		
105	97.9	84.6	124.6
106	90.7	78.6	118.6

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM



#11

bis(2-Chloroethyl)ether

Concen: 3.30 ng/mL

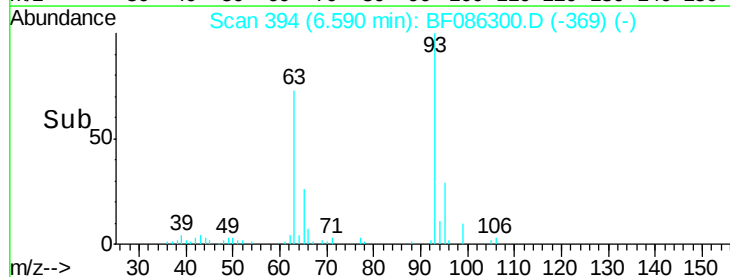
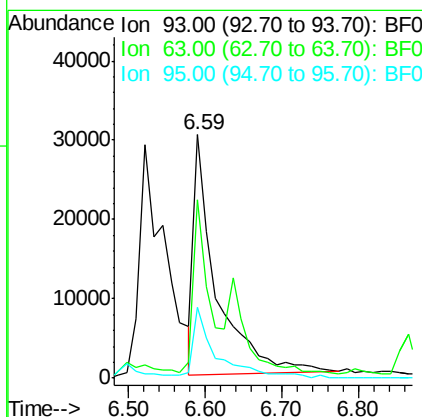
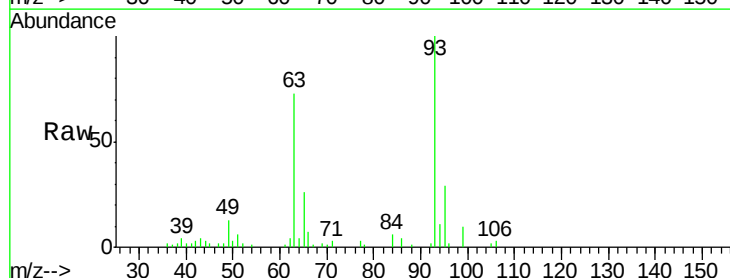
RT: 6.59 min Scan# 394

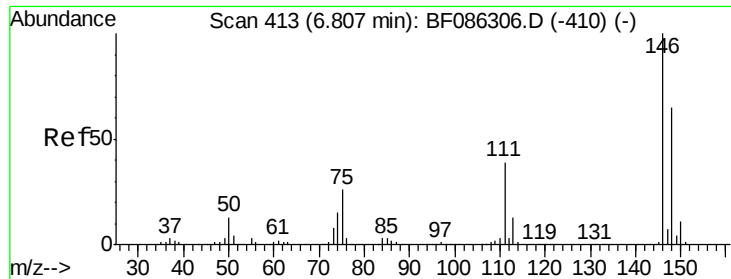
Delta R.T. -0.01 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Tgt Ion:	93	Resp:	62402
Ion	Ratio	Lower	Upper
93	100		
63	73.3	44.4	84.4
95	29.2	13.1	53.1





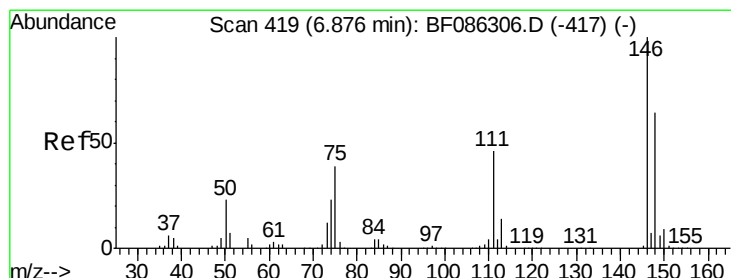
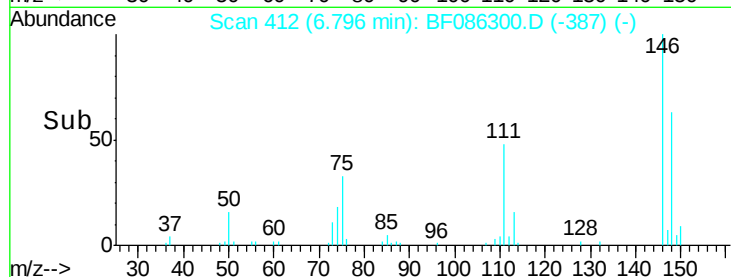
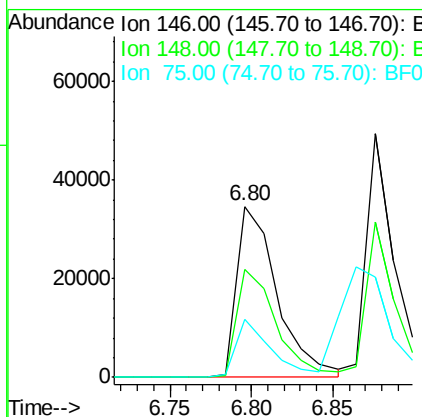
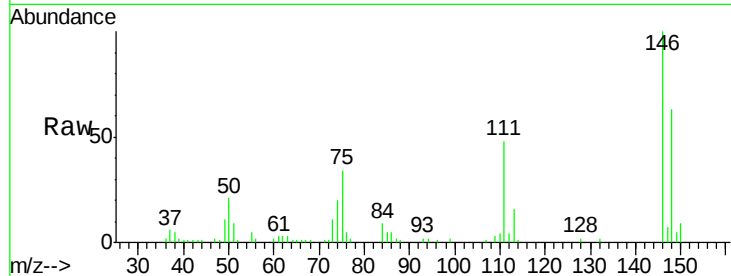
#12
 1,3-Dichlorobenzene
 Concen: 2.93 ng
 RT: 6.80 min Scan# 412
 Delta R.T. -0.01 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC02.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		59381		
148	62.9	51.0	76.4		
75	33.6	29.9	44.9		

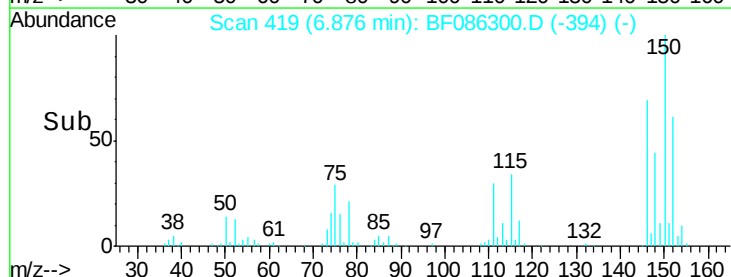
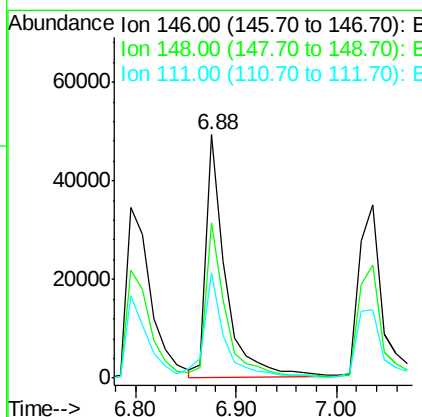
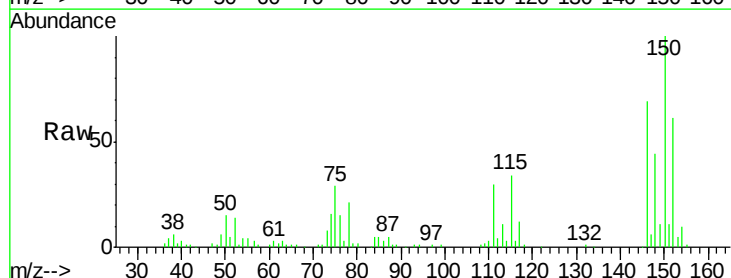
Manual Integrations
 APPROVED

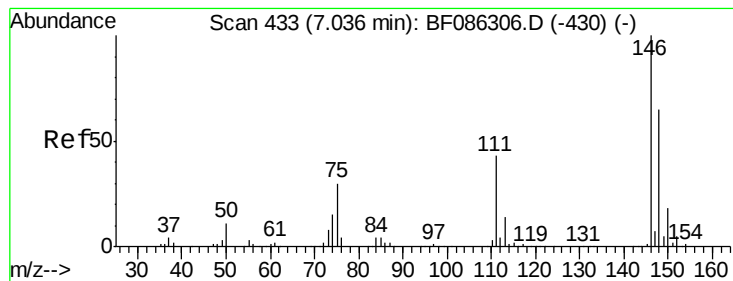
sohil
 4/21/2016 7:07:17 PM



#13
 1,4-Dichlorobenzene
 Concen: 3.43 ng
 RT: 6.88 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		66195		
148	63.6	51.8	77.6		
111	43.5	34.9	52.3		





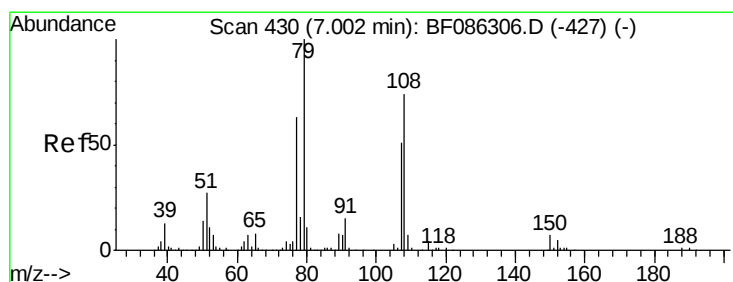
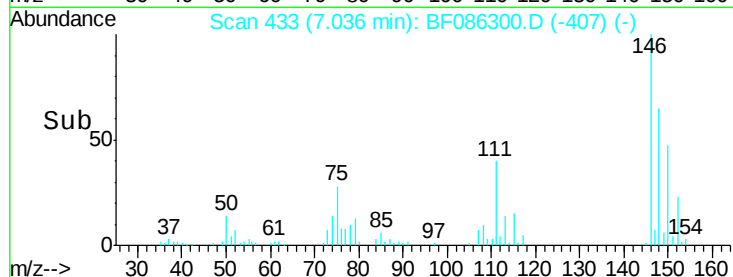
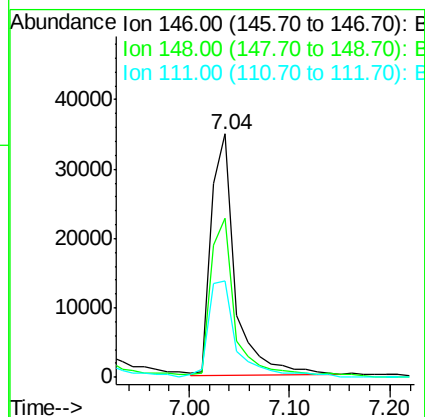
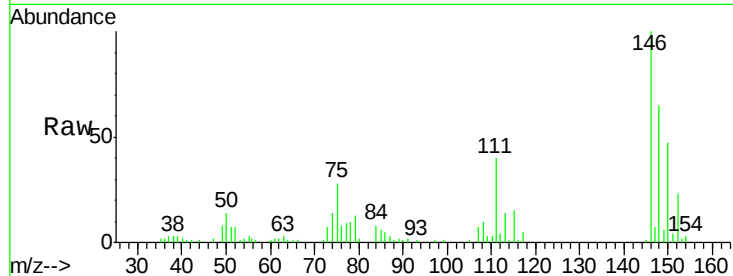
#14
1,2-Dichlorobenzene
Concen: 3.36 ng
RT: 7.04 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.2	78.2
111	39.8	31.0	46.4

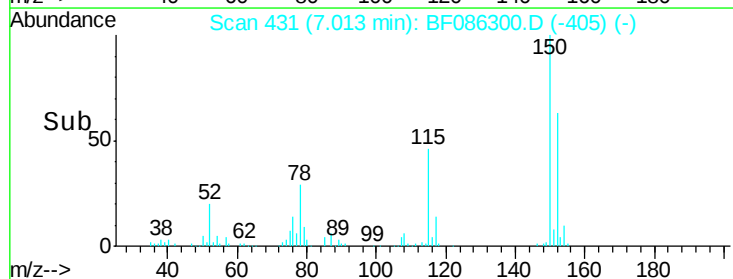
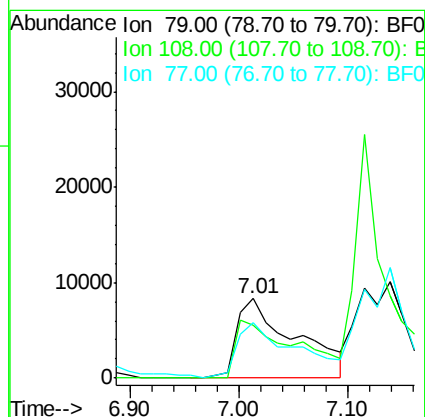
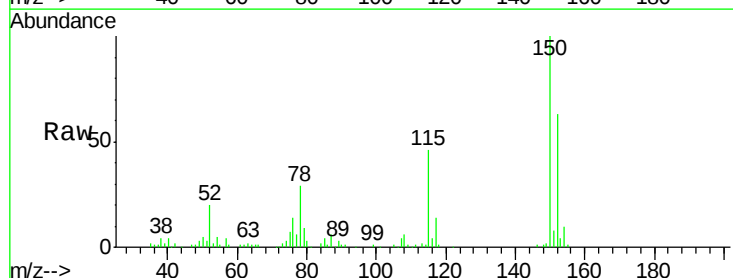
Manual Integrations
APPROVED

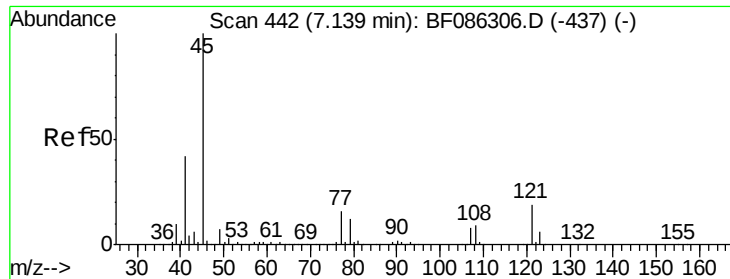
sohil
4/21/2016 7:07:17 PM



#15
Benzyl Alcohol
Concen: 2.06 ng
RT: 7.01 min Scan# 431
Delta R.T. 0.00 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Tgt Ion	Ratio	Lower	Upper
79	100		
108	66.9	64.8	97.2
77	69.7	51.9	77.9





#16

2,2'-oxvbis(1-Chloropropane)

Concen: 2.68 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.01 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Instrument :

BNA_F

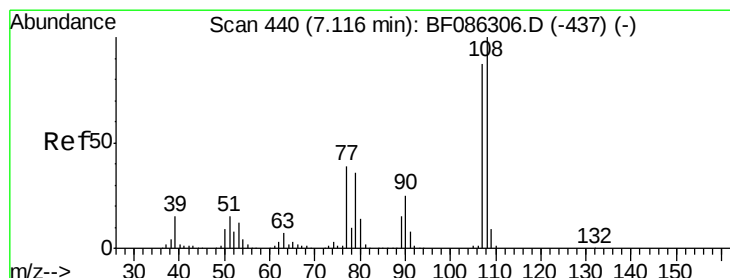
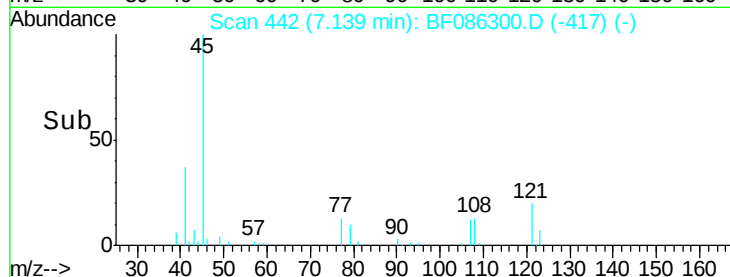
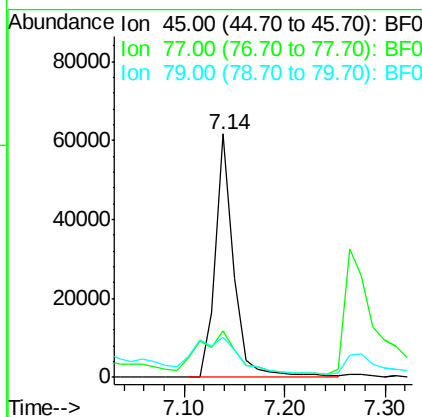
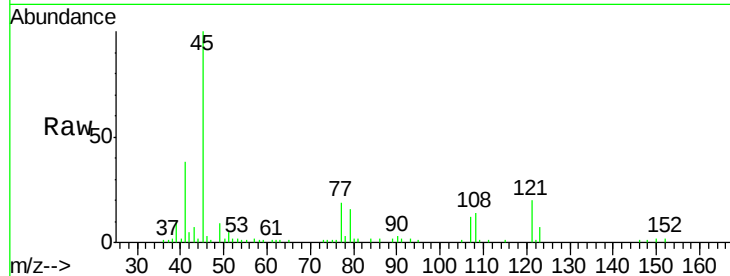
ClientSampleId :

SSTDICC02.5

Tot Ion:	45	Resp:	78933
Ion Ratio		Lower	Upper
45	100		
77	18.9	0.0	33.7
79	16.3	0.0	30.1

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM



#17

2-Methylphenol

Concen: 2.59 ng

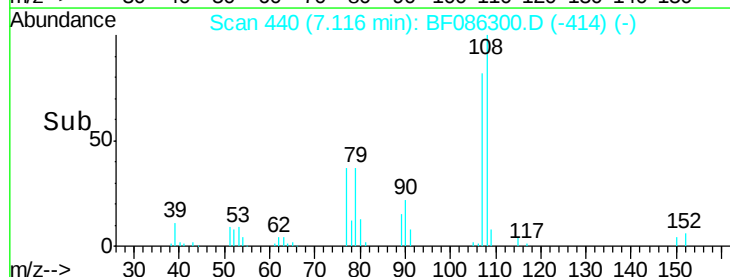
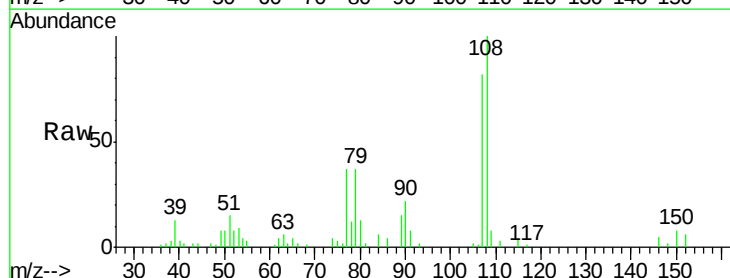
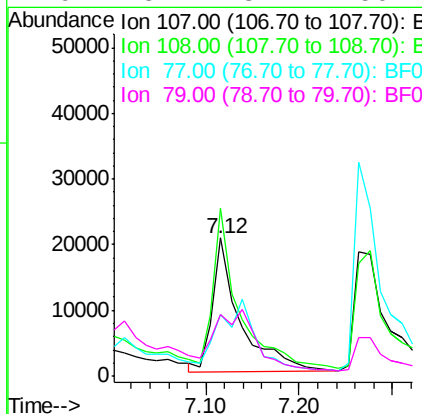
RT: 7.12 min Scan# 440

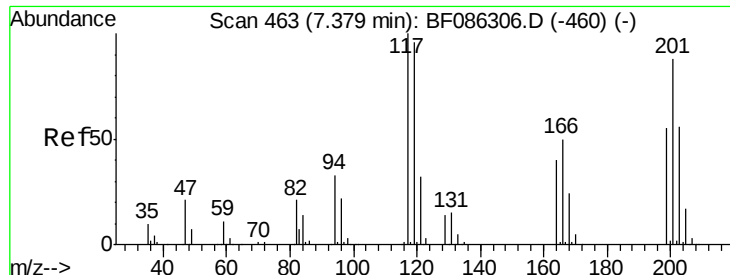
Delta R.T. 0.00 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Tgt Ion:	107	Resp:	41245
Ion Ratio		Lower	Upper
107	100		
108	121.5	92.7	139.1
77	44.4	39.6	59.4
79	45.1	37.4	56.2





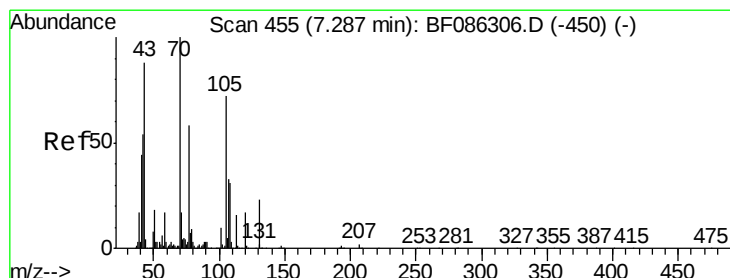
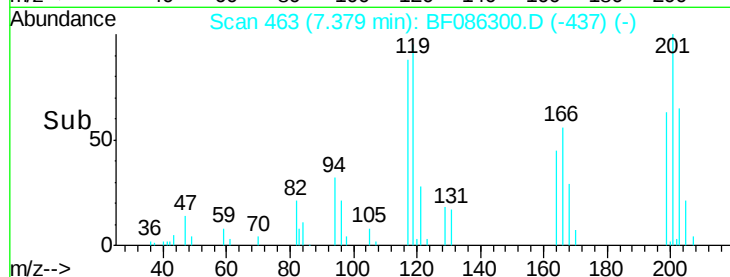
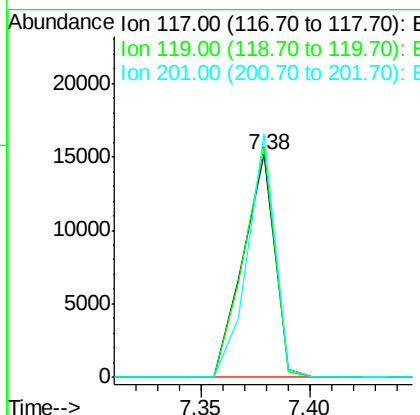
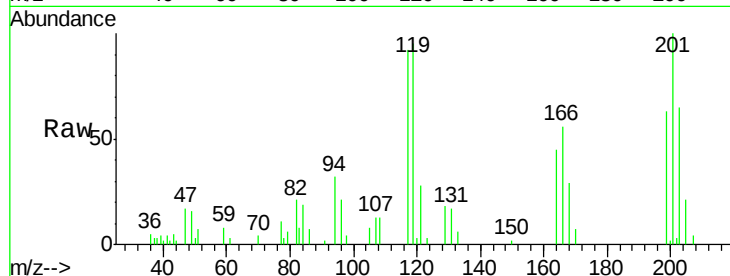
#18
Hexachloroethane
Concen: 2.11 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.00 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC02.5

Tot Ion	Ratio	Resp	Lower	Upper
117	100	15339		
119	103.7	78.2	117.4	
201	109.2	75.7	113.5	

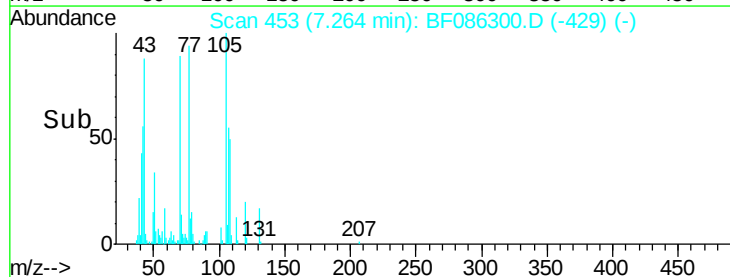
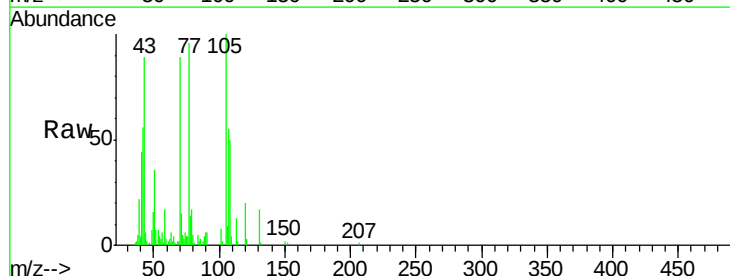
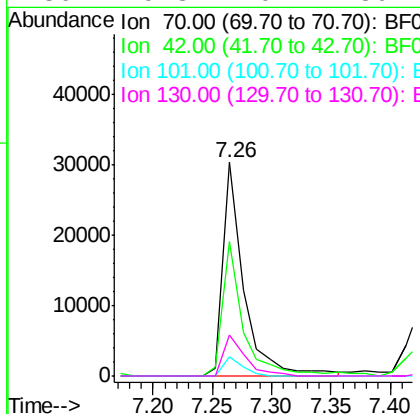
Manual Integrations
APPROVED

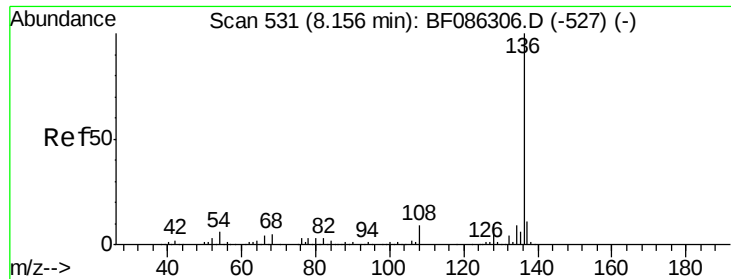
sohil
4/21/2016 7:07:17 PM



#19
n-Nitroso-di-n-propylamine
Concen: 2.73 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
70	100	36841		
42	62.7	43.0	64.4	
101	8.8	8.1	12.1	
130	19.3	20.1	30.1#	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC02.5

Tot Ion:136 Resp: 1147945

Ion Ratio Lower Upper

136 100

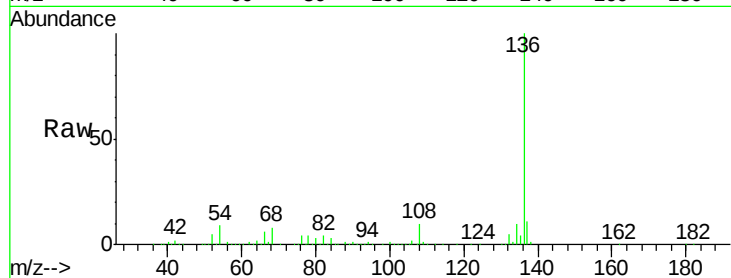
137 11.1 9.1 13.7

54 9.0 7.3 10.9

68 7.5 5.7 8.5

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM

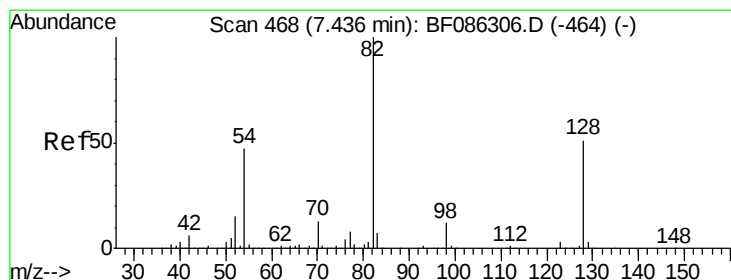
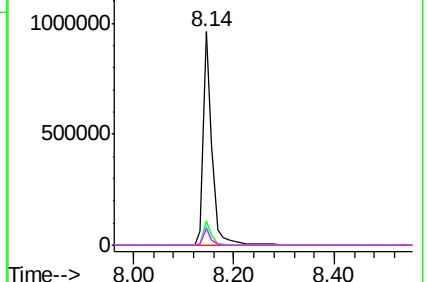
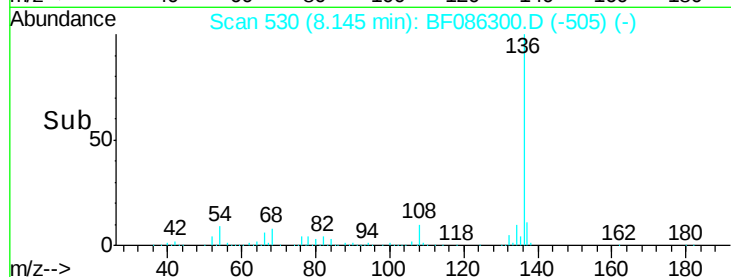


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 6.00 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.01 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

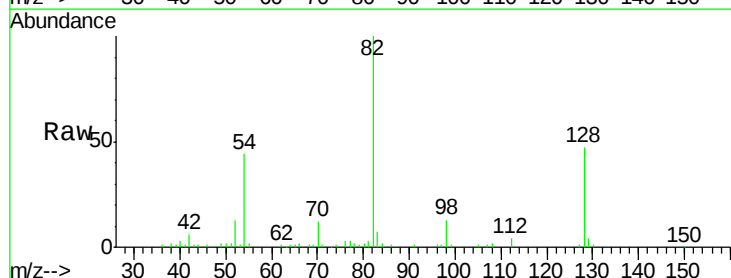
Tgt Ion: 82 Resp: 119391

Ion Ratio Lower Upper

82 100

128 46.9 35.4 53.2

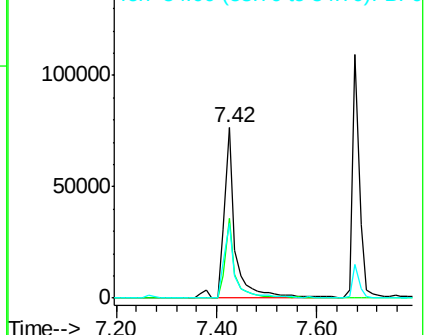
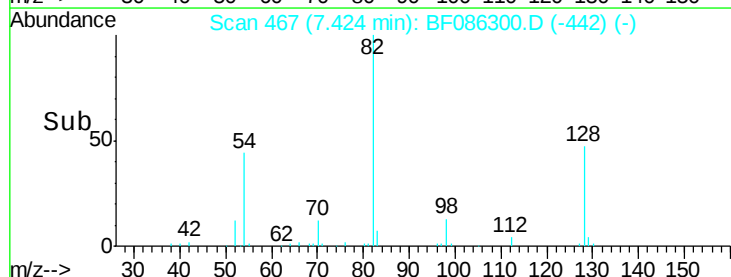
54 44.1 43.4 65.0

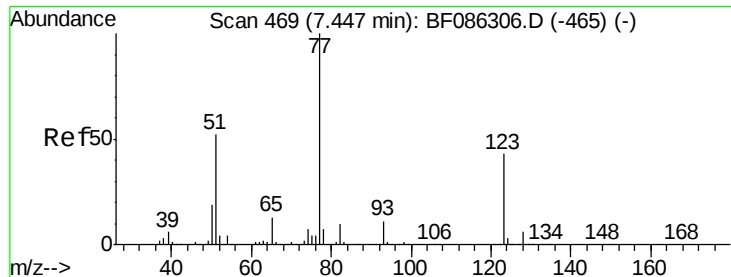


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 2.81 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.01 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Instrument :

BNA_F

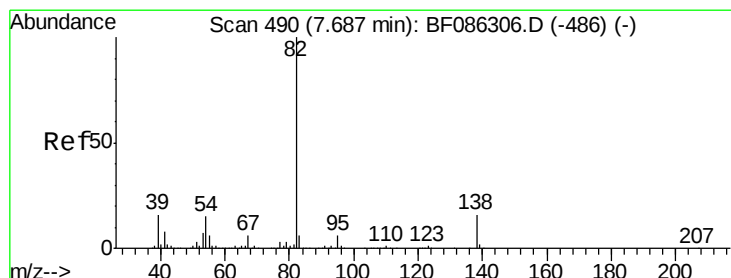
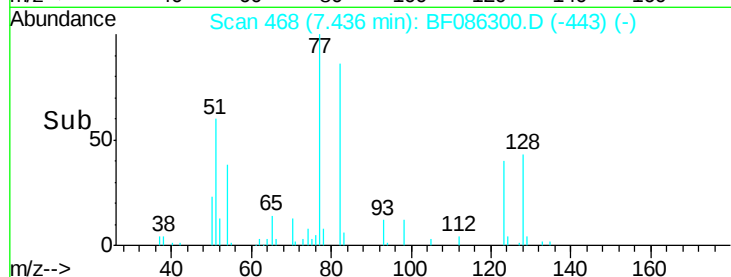
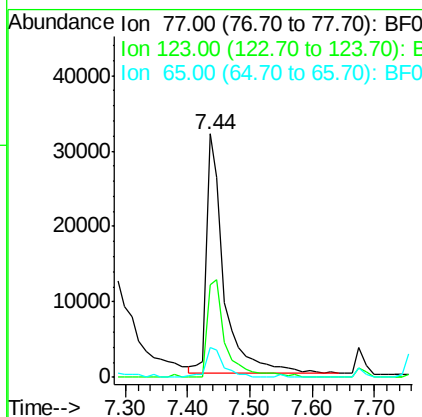
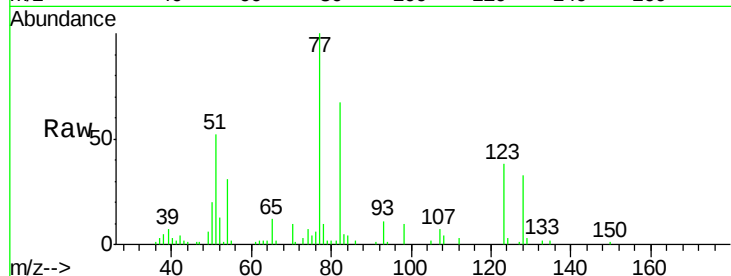
ClientSampleId :

SSTDIC02.5

Tot Ion:	77	Resp:	61119
Ion	Ratio	Lower	Upper
77	100		
123	38.0	38.3	57.5#
65	12.4	11.3	16.9

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM



#25

Isophorone

Concen: 2.66 ng

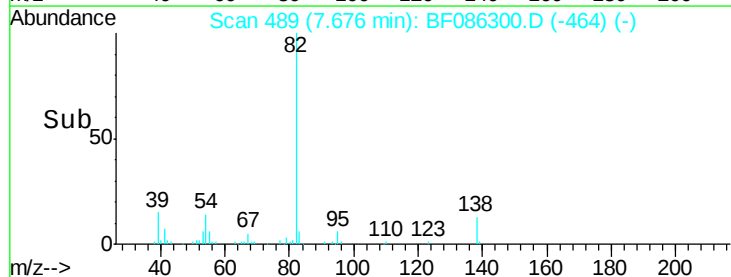
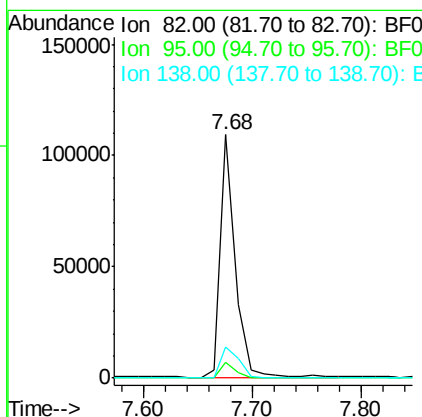
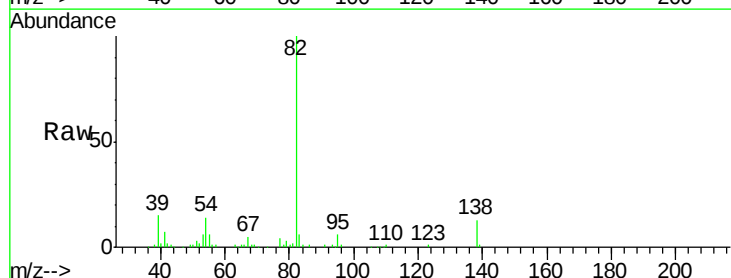
RT: 7.68 min Scan# 489

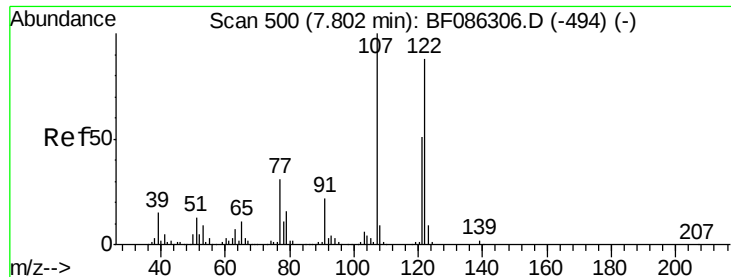
Delta R.T. -0.01 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Tgt Ion:	82	Resp:	104918
Ion	Ratio	Lower	Upper
82	100		
95	6.5	5.4	8.2
138	13.0	13.4	20.2#





#27

2,4-Dimethylphenol

Concen: 3.10 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Instrument :

BNA_F

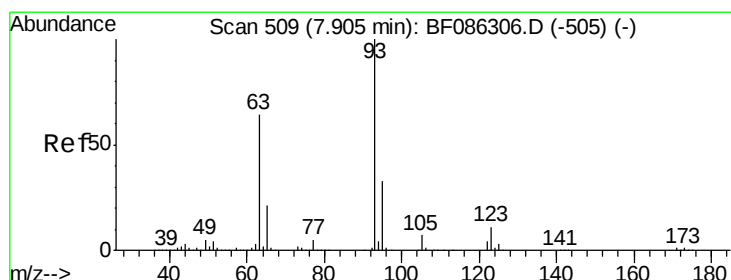
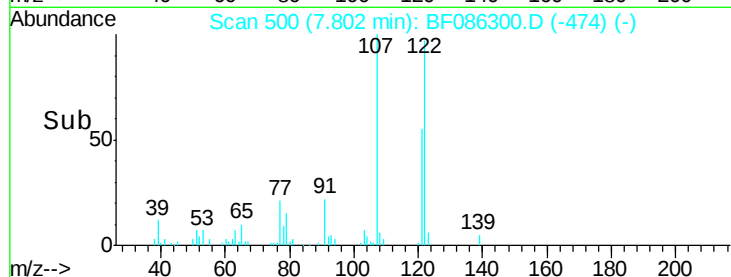
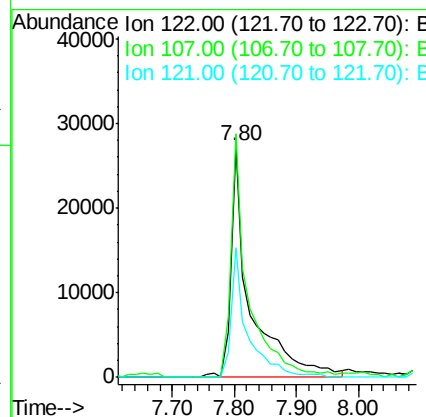
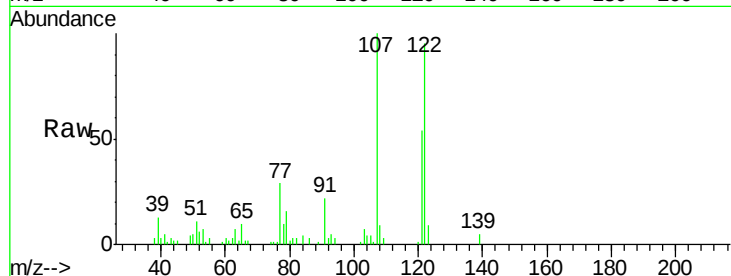
ClientSampleId :

SSTDICC02.5

Tot Ion:	122	Resp:	59421
Ion Ratio	Lower	Upper	
122	100		
107	105.3	85.8	128.6
121	56.4	47.1	70.7

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM



#28

bis(2-Chloroethoxy)methane

Concen: 2.83 ng

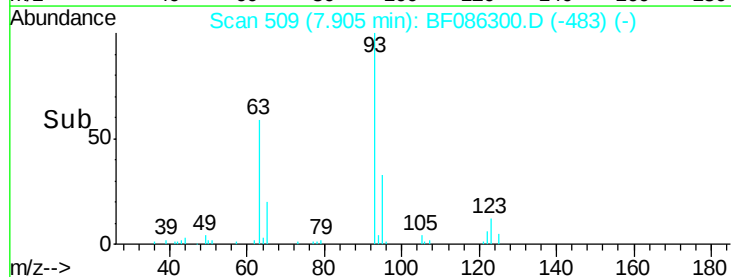
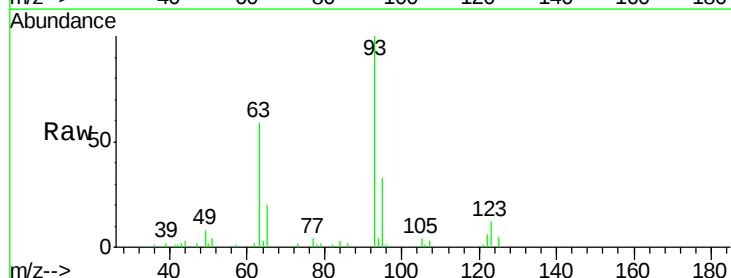
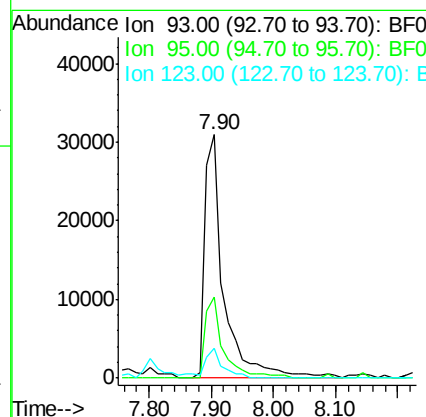
RT: 7.90 min Scan# 509

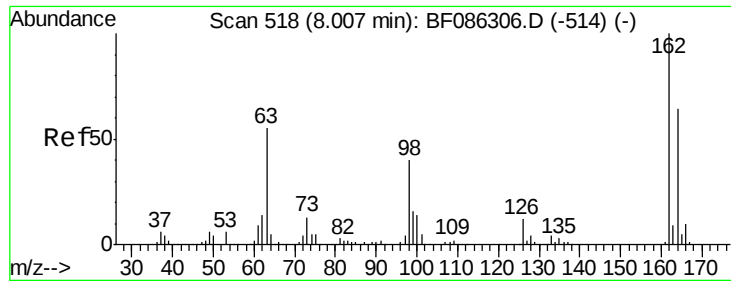
Delta R.T. 0.00 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Tgt Ion:	93	Resp:	65813
Ion Ratio	Lower	Upper	
93	100		
95	33.3	25.8	38.8
123	12.1	8.9	13.3





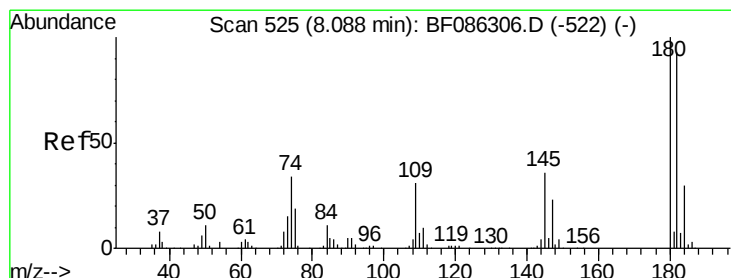
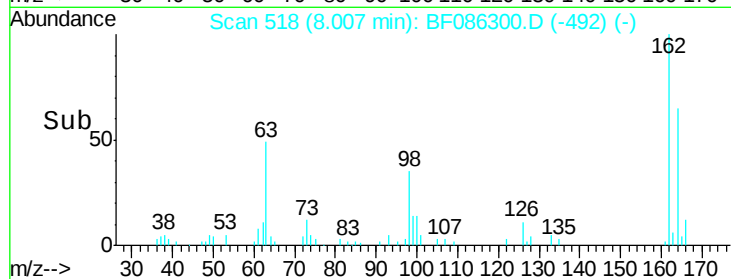
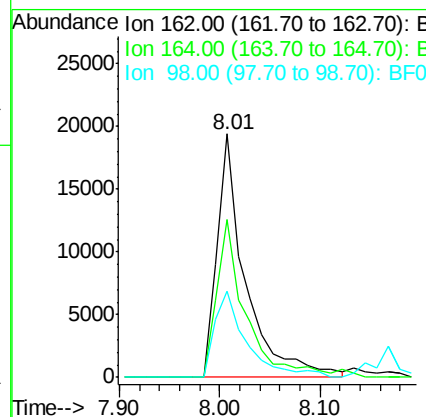
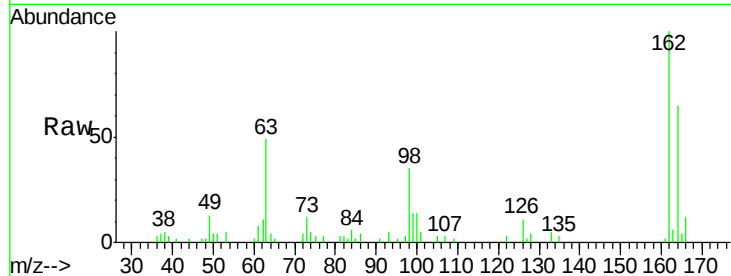
#29
 2,4-Dichlorophenol
 Concen: 2.60 ng
 RT: 8.01 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Instrument :
 BNA_F
 ClientSampled :
 SSTDICC02.5

Tot Ion:	162	Resp:	37918
Ion Ratio	Lower	Upper	
162	100		
164	64.6	43.3	83.3
98	35.2	22.9	62.9

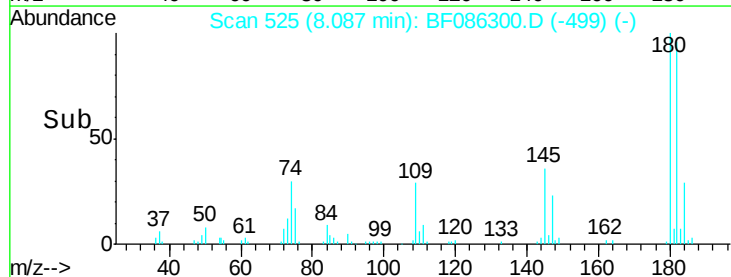
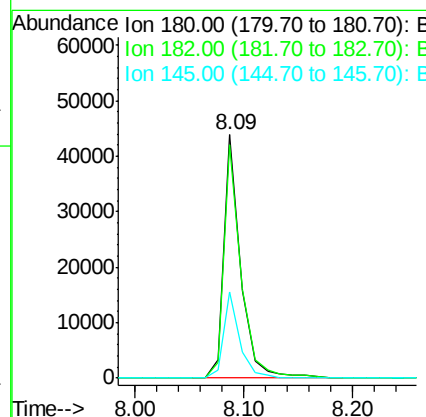
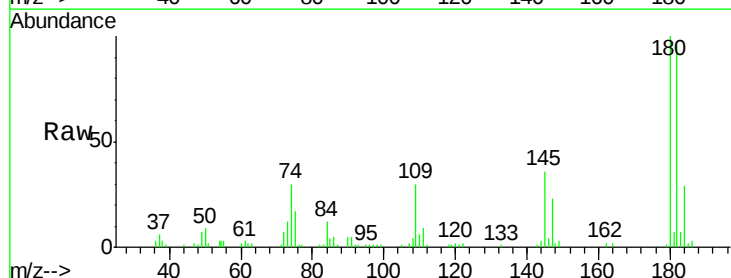
Manual Integrations
 APPROVED

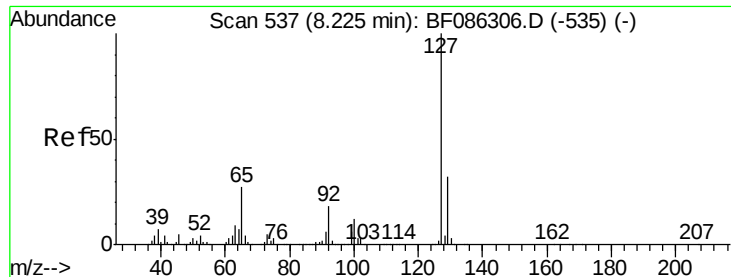
sohil
 4/21/2016 7:07:17 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 3.12 ng
 RT: 8.09 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Tgt Ion:	180	Resp:	47528
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.3	114.5
145	35.7	27.4	41.2





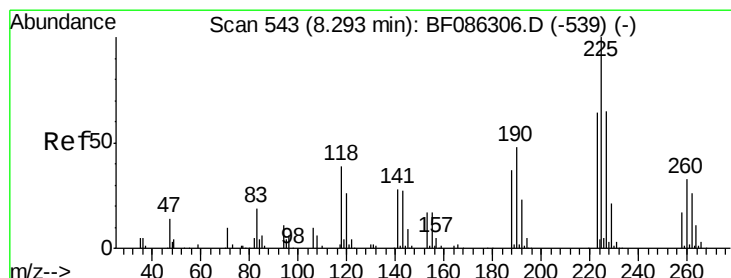
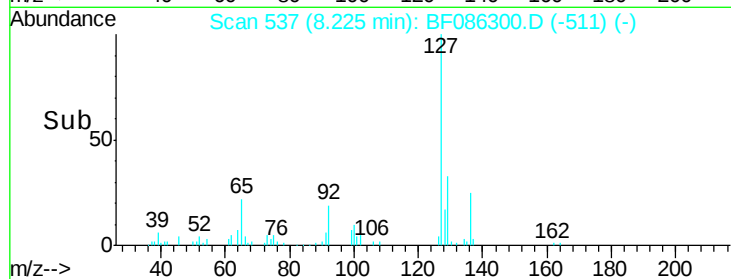
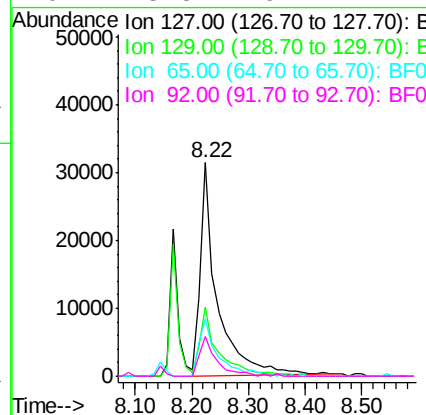
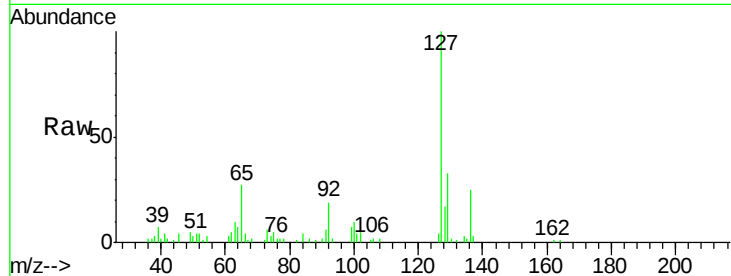
#33
 4-Chloroaniline
 Concen: 2.77 ng
 RT: 8.22 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC02.5

Tot Ion	Ratio	Resp	Lower	Upper
127	100	63572		
129	32.6	26.8	40.2	
65	26.9	27.1	40.7	
92	18.8	16.2	24.2	

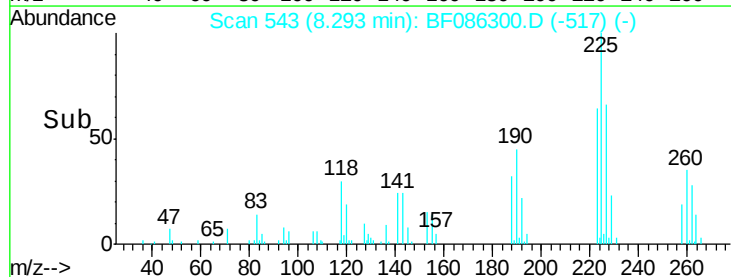
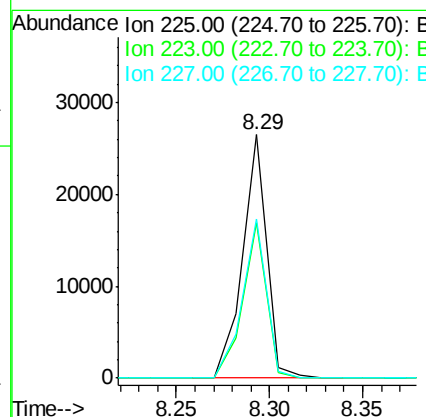
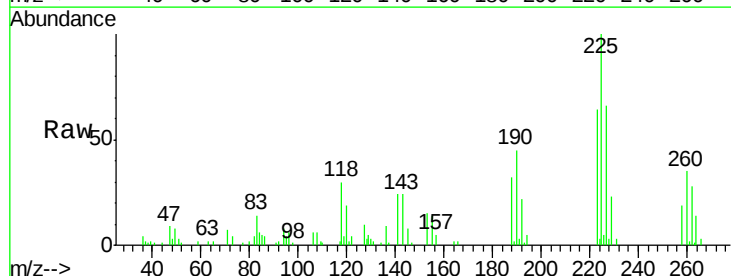
Manual Integrations
 APPROVED

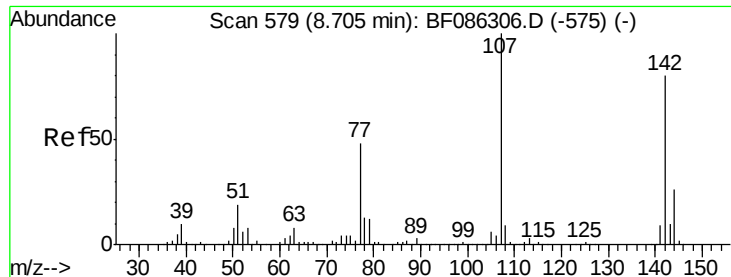
sohil
 4/21/2016 7:07:17 PM



#34
 Hexachlorobutadiene
 Concen: 3.14 ng
 RT: 8.29 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23958		
223	63.9	49.4	74.0	
227	65.6	51.1	76.7	





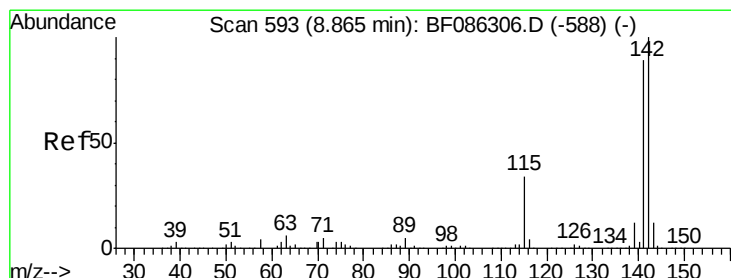
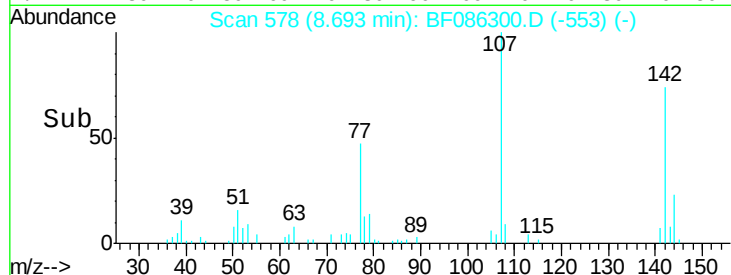
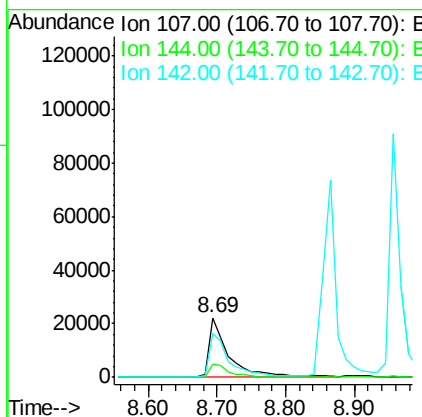
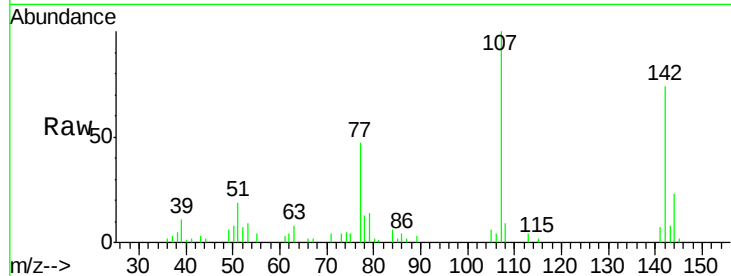
#36
 4-Chloro-3-methylphenol
 Concen: 2.71 ng
 RT: 8.69 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC02.5

Tot Ion	Ratio	Resp	Lower	Upper
107	100	45756		
144	23.1	20.7	31.1	
142	73.8	64.5	96.7	

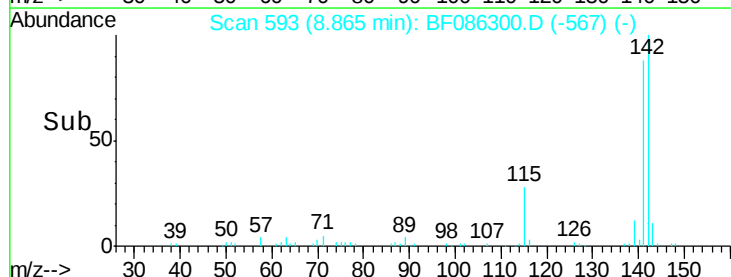
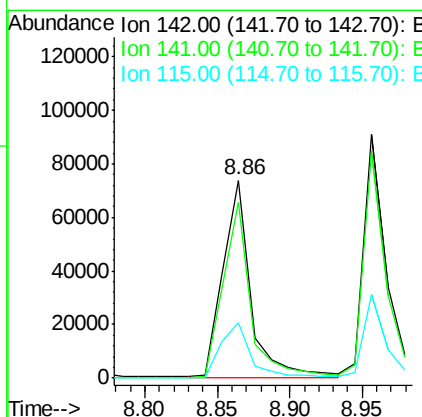
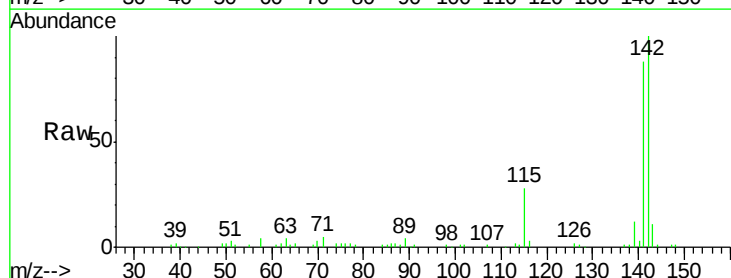
Manual Integrations
 APPROVED

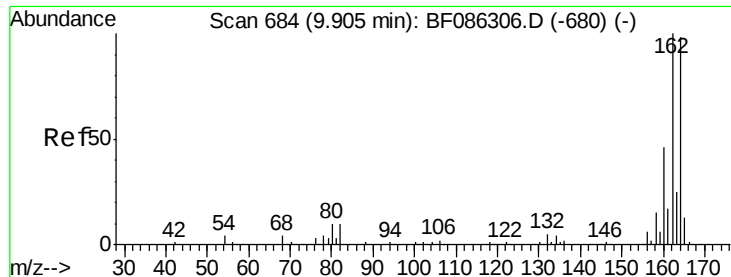
sohil
 4/21/2016 7:07:17 PM



#37
 2-Methylnaphthalene
 Concen: 2.96 ng
 RT: 8.86 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	98221		
141	88.4	71.1	106.7	
115	27.7	25.1	37.7	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. 0.00 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Instrument :

BNA_F

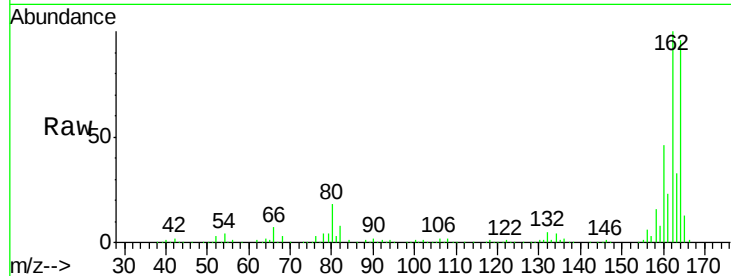
ClientSampleId :

SSTDIC02.5

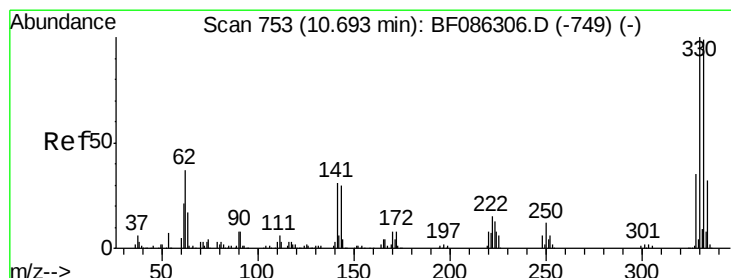
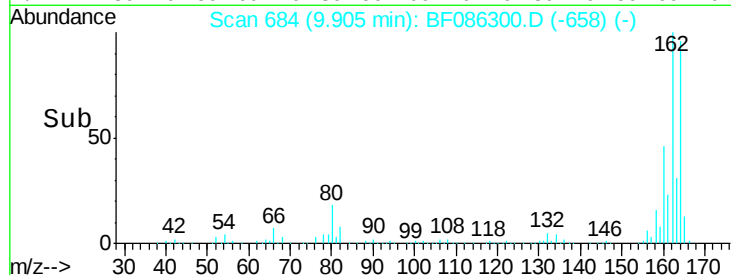
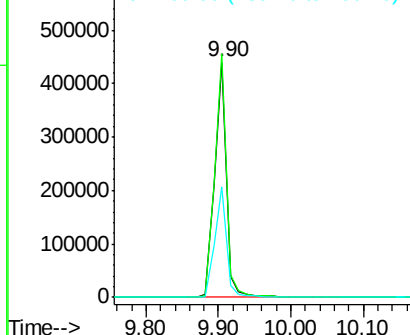
Tot Ion:	164	Resp:	496441
Ion Ratio	Lower	Upper	
164	100		
162	103.7	82.8	124.2
160	47.3	38.9	58.3

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 5.16 ng

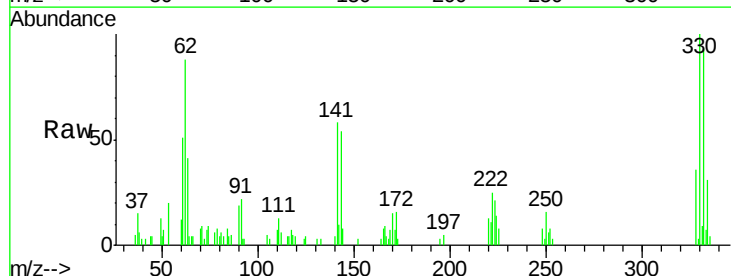
RT: 10.68 min Scan# 752

Delta R.T. -0.01 min

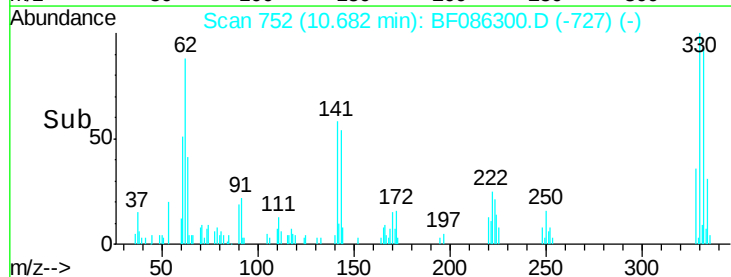
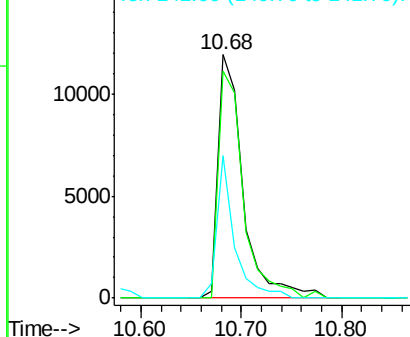
Lab File: BF086300.D

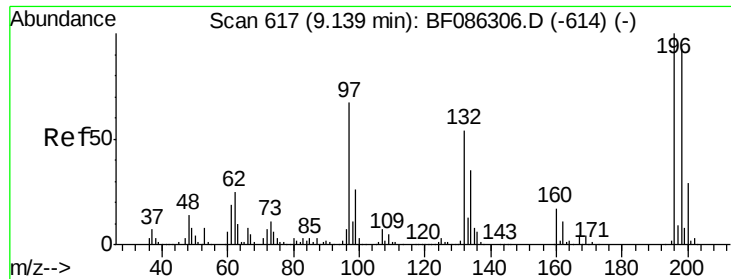
Acq: 20 Apr 2016 10:18

Tgt Ion:	330	Resp:	20565
Ion Ratio	Lower	Upper	
330	100		
332	92.8	78.7	118.1
141	40.8	28.6	42.8



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





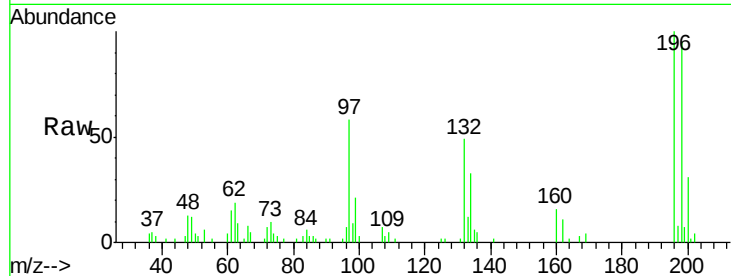
#42
2,4,6-Trichlorophenol
Concen: 2.35 ng
RT: 9.14 min Scan# 617
Delta R.T. 0.00 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

Tot Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.6	115.0
200	30.7	25.3	37.9

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM

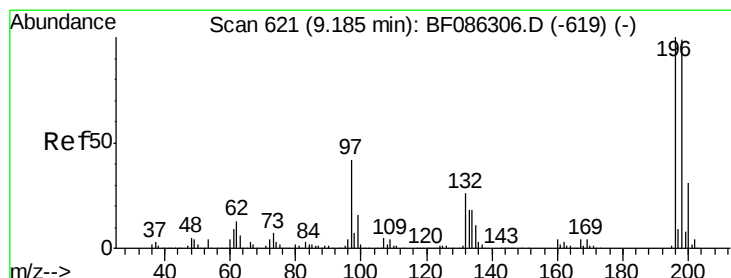
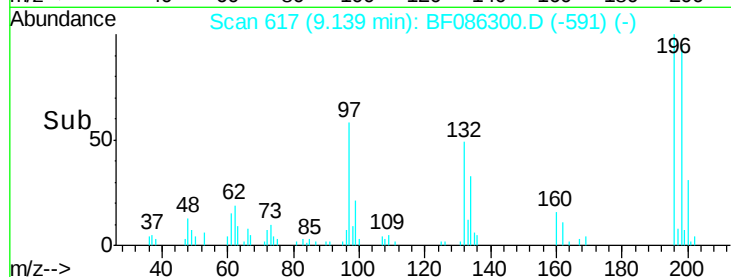
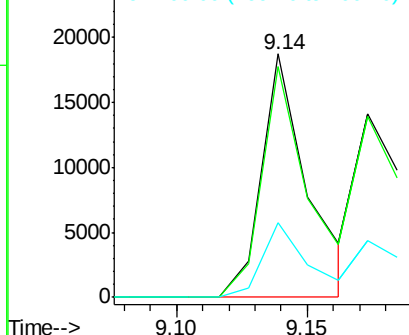


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43
2,4,5-Trichlorophenol
Concen: 2.98 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.01 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Tgt Ion	Ratio	Lower	Upper
196	100		
198	98.3	77.7	116.5
97	56.0	32.6	48.8#
132	34.9	21.4	32.0#

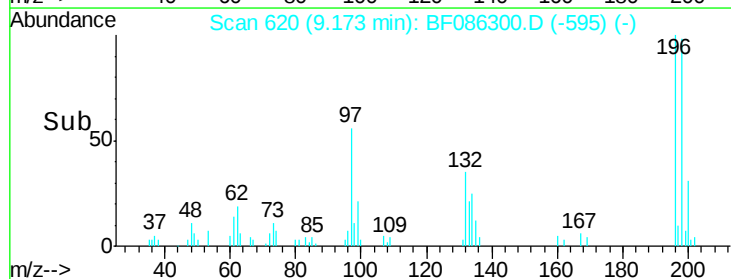
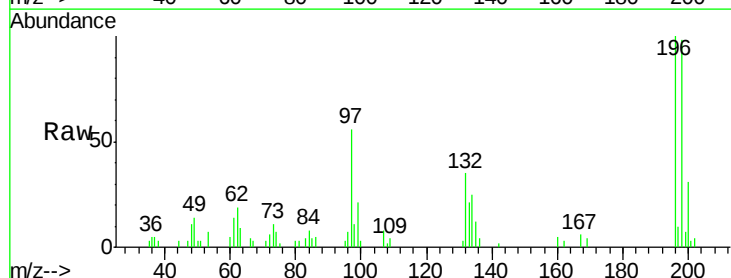
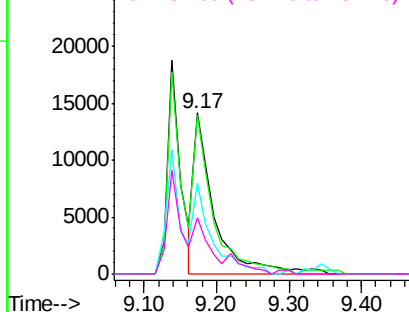
Abundance

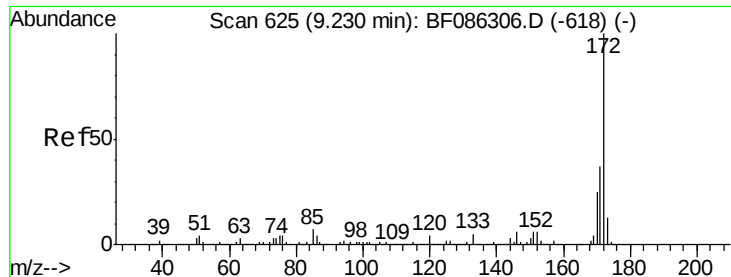
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E





#44

2-Fluorobiphenyl

Concen: 8.08 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.01 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Instrument :

BNA_F

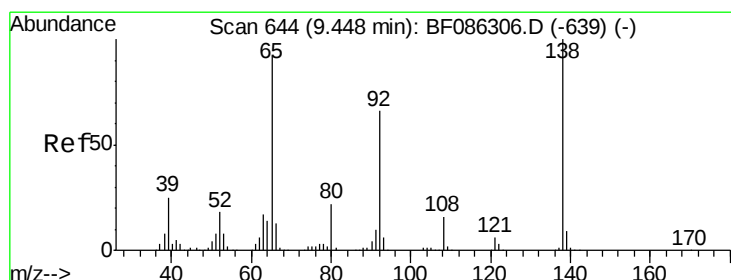
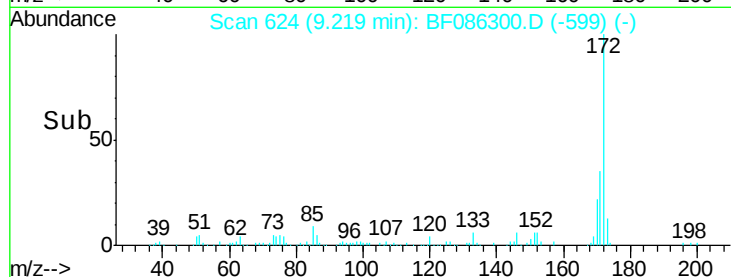
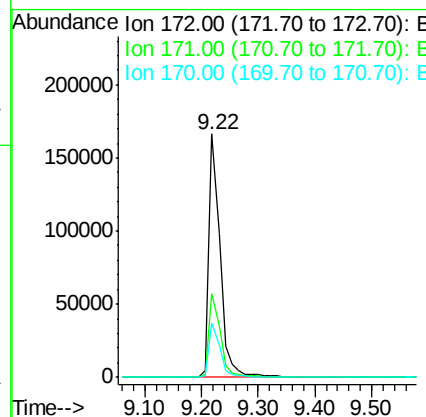
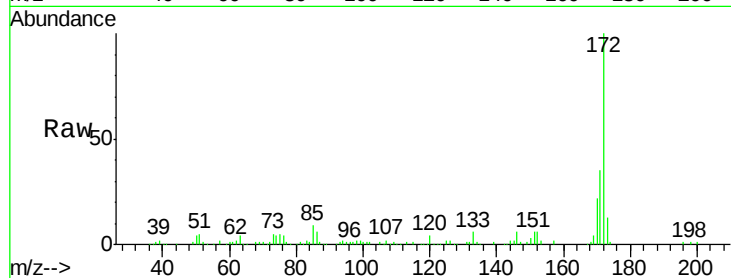
ClientSampleId :

SSTDIC02.5

Tot Ion:	172	Resp:	217460
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.1	43.7
170	22.4	19.9	29.9

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM



#47

2-Nitroaniline

Concen: 2.54 ng

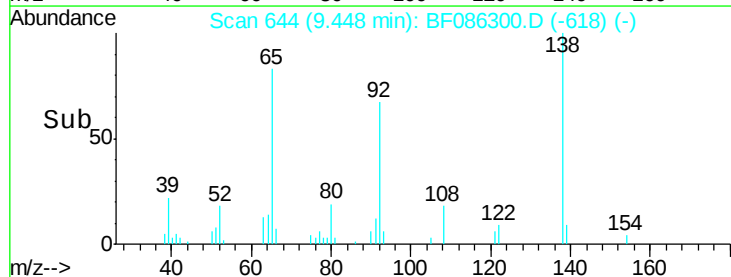
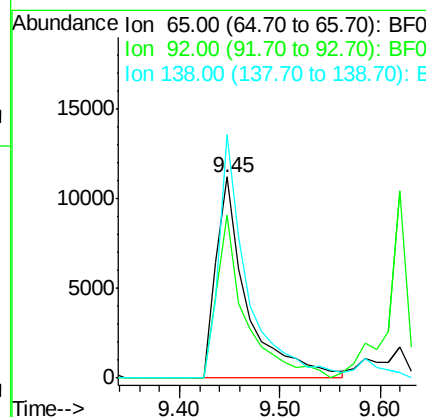
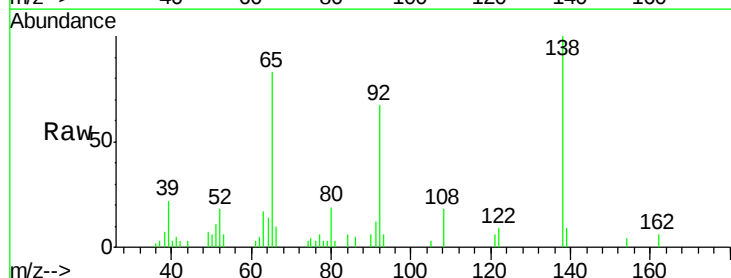
RT: 9.45 min Scan# 644

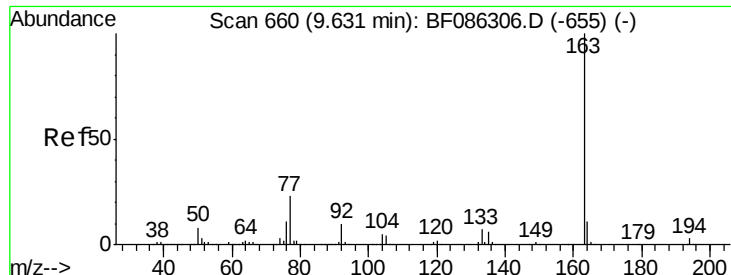
Delta R.T. 0.00 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Tgt Ion:	65	Resp:	24018
Ion Ratio	Lower	Upper	
65	100		
92	80.7	51.9	77.9#
138	121.0	72.6	108.8#





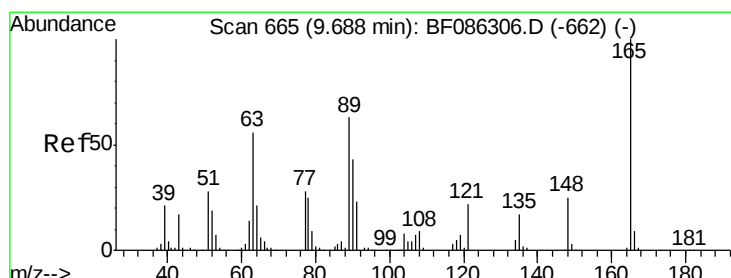
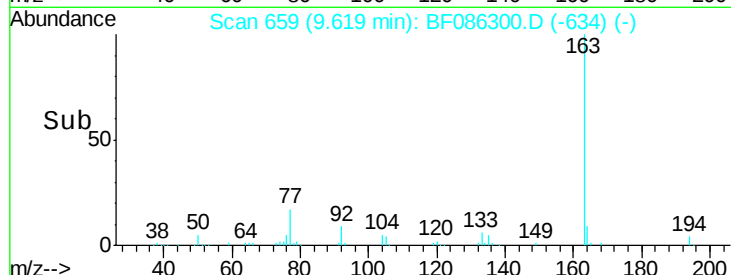
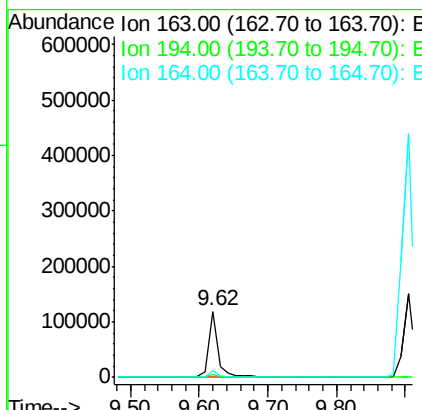
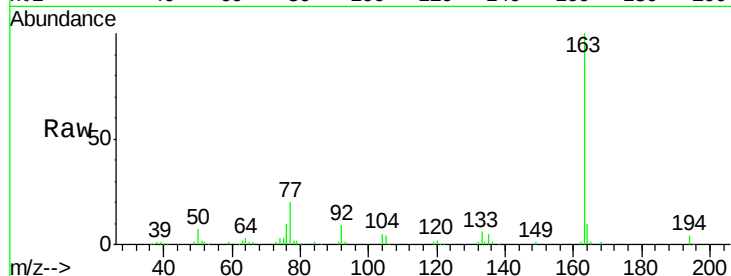
#49
Dimethylphthalate
Concen: 3.25 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.01 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	117264		
194	3.6	2.8	4.2	
164	9.8	8.4	12.6	

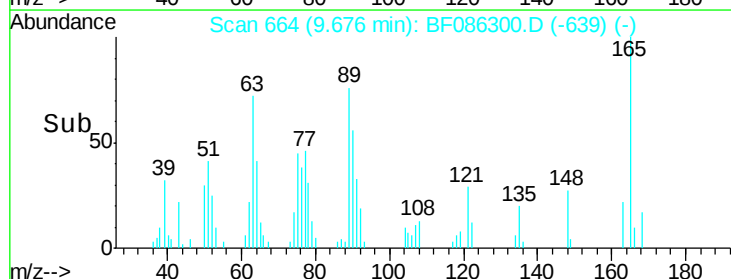
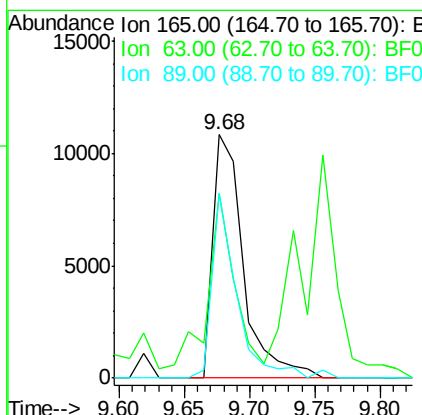
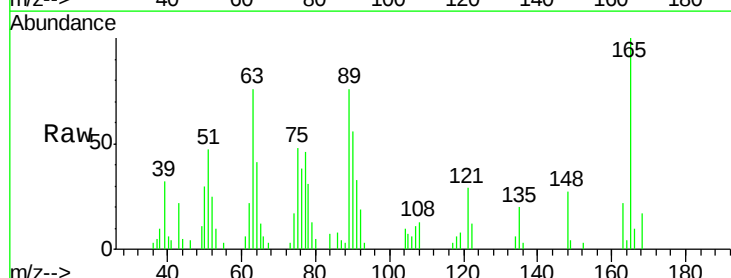
Manual Integrations
APPROVED

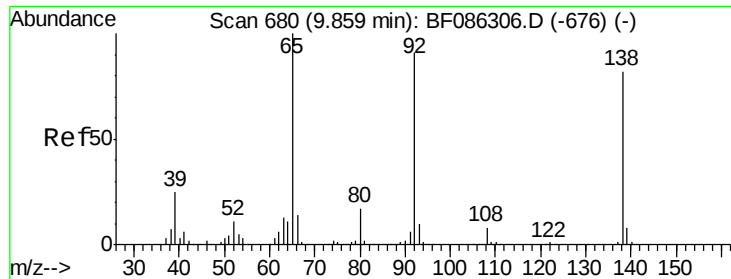
sohil
4/21/2016 7:07:17 PM



#50
2,6-Dinitrotoluene
Concen: 2.23 ng
RT: 9.68 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	17817		
63	75.6	35.1	52.7#	
89	75.7	39.8	59.6#	





#52

3-Nitroaniline

Concen: 2.59 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Instrument :

BNA_F

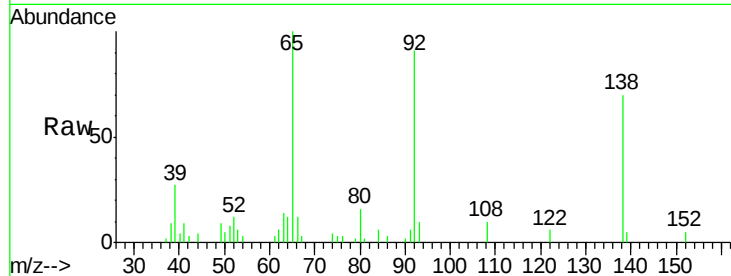
ClientSampleId :

SSTDICC02.5

Tot Ion	Ratio	Lower	Upper
138	100		
108	14.7	9.0	13.4#
92	129.7	99.3	148.9

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM

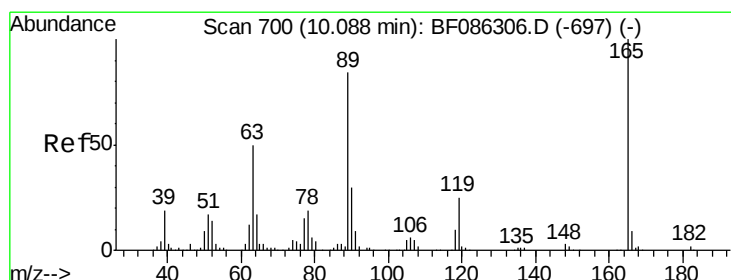
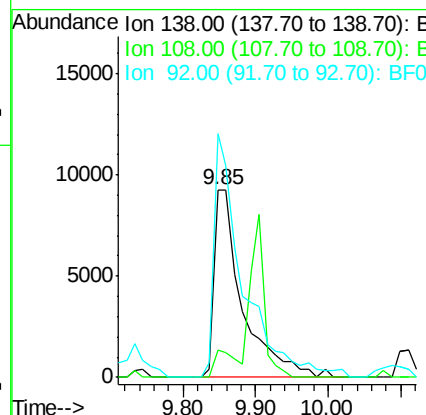
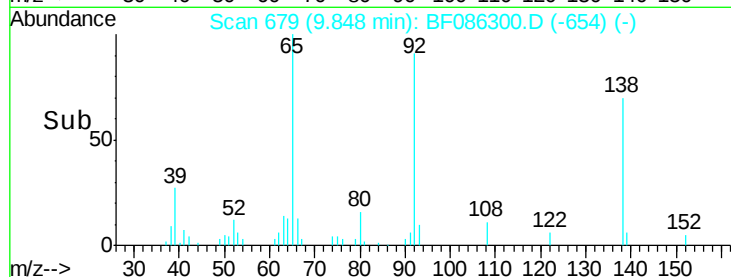


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#56

2,4-Dinitrotoluene

Concen: 2.10 ng

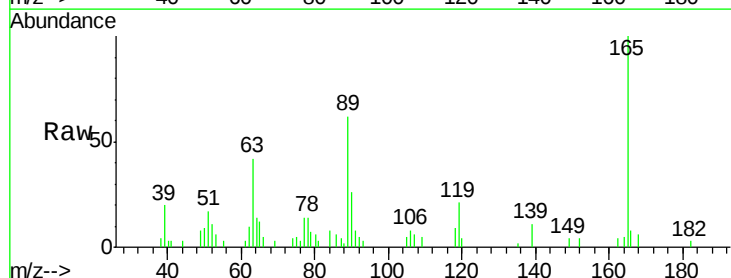
RT: 10.09 min Scan# 700

Delta R.T. 0.00 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	42.2	26.6	40.0#
89	61.9	49.5	74.3
182	3.0	1.9	2.9#



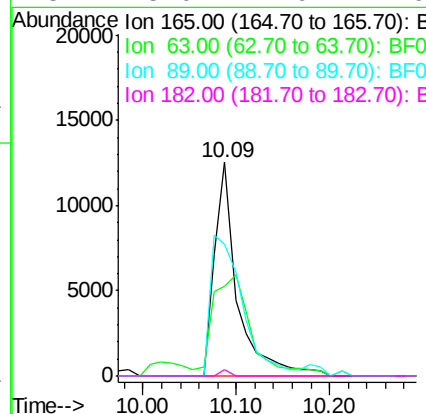
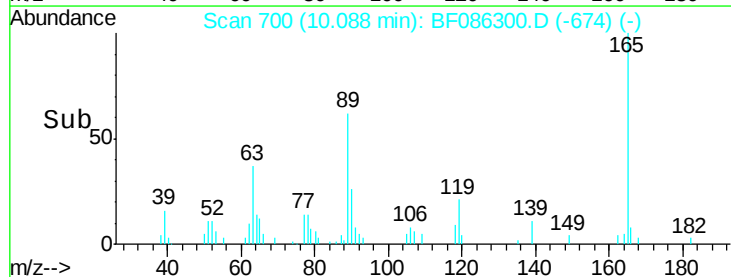
Abundance

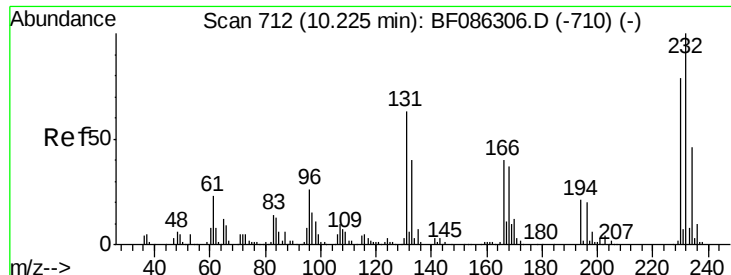
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





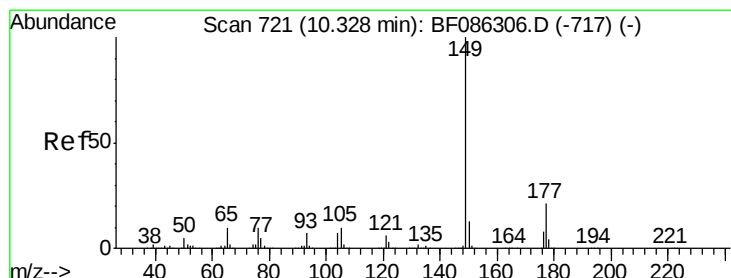
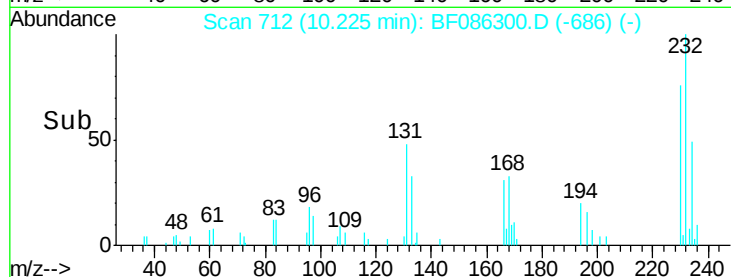
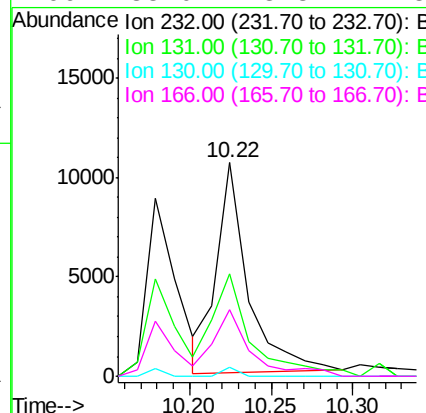
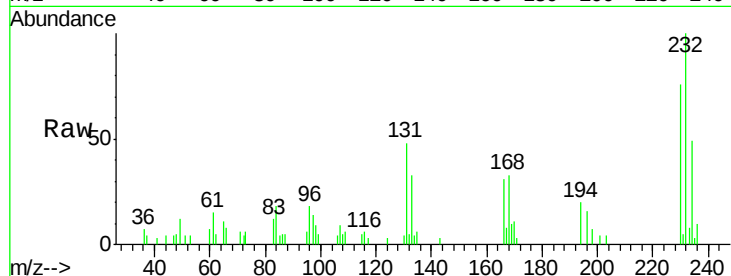
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 2.06 ng
 RT: 10.22 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC02.5

Tot Ion:	232	Resp:	14164
Ion Ratio	Lower	Upper	
232	100		
131	60.8	46.6	70.0
130	2.3	2.5	3.7#
166	38.0	28.3	42.5

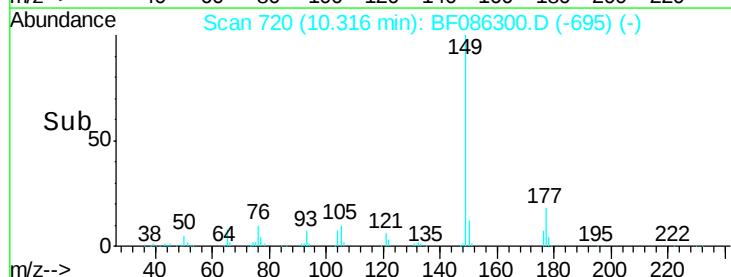
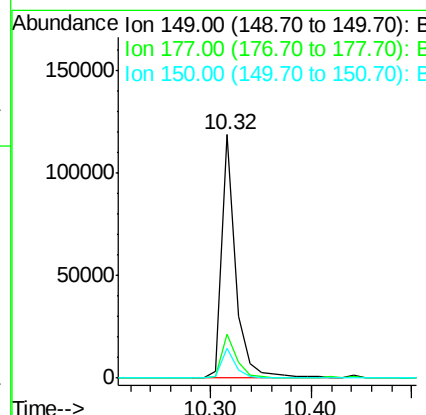
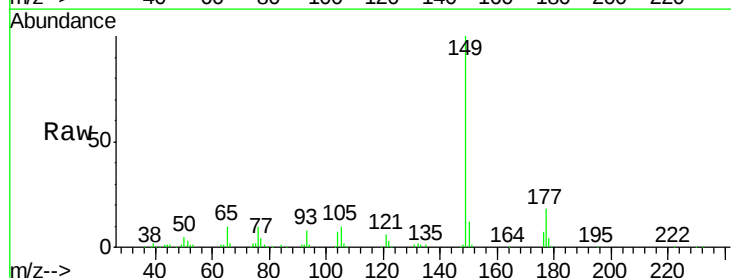
Manual Integrations
 APPROVED

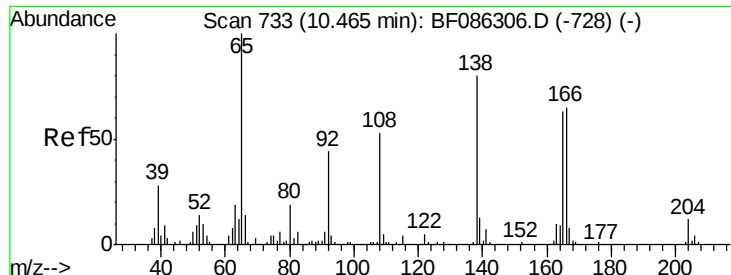
sohil
 4/21/2016 7:07:17 PM



#59
 Diethylphthalate
 Concen: 3.10 ng
 RT: 10.32 min Scan# 720
 Delta R.T. -0.01 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Tgt Ion:	149	Resp:	115455
Ion Ratio	Lower	Upper	
149	100		
177	18.2	17.0	25.6
150	12.1	10.2	15.4





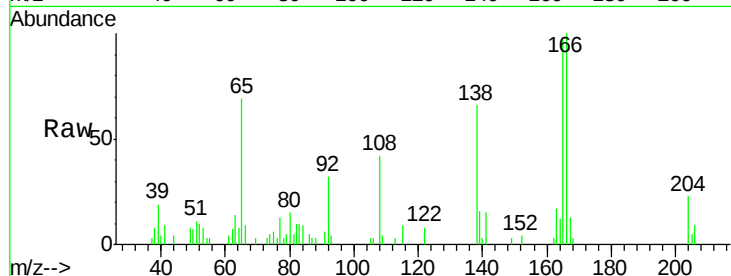
#61
4-Nitroaniline
Concen: 2.90 ng
RT: 10.46 min Scan# 733
Delta R.T. -0.01 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

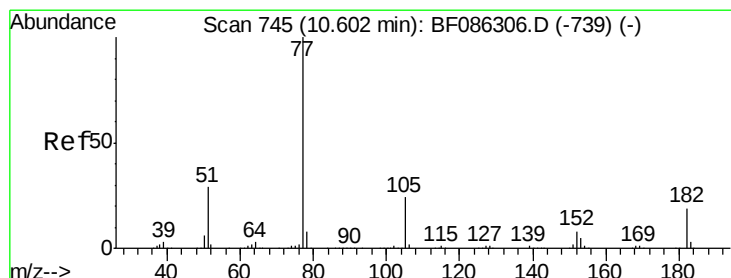
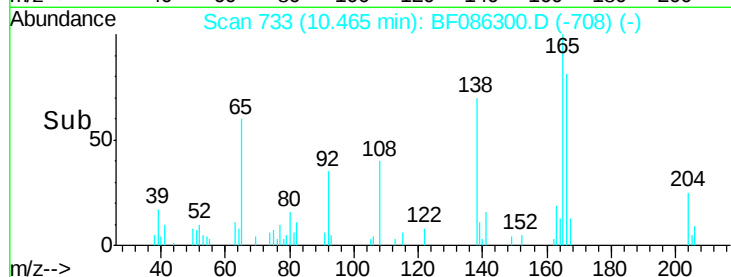
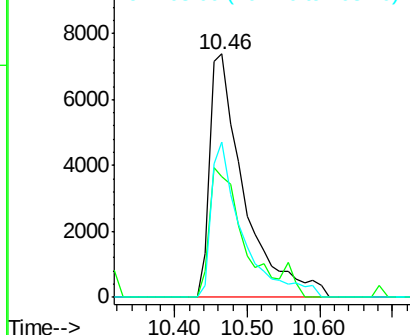
Tot Ion	Ratio	Lower	Upper
138	100		
92	49.4	31.9	71.9
108	63.8	58.7	98.7

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM



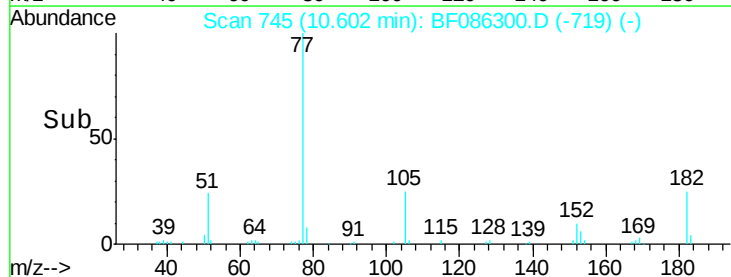
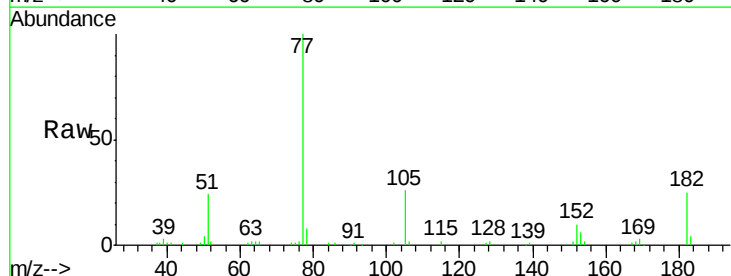
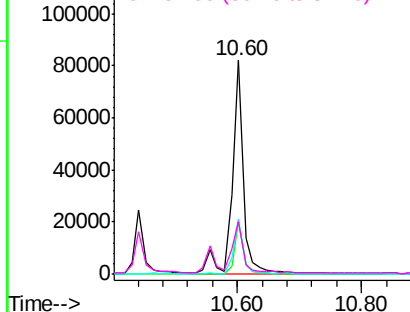
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

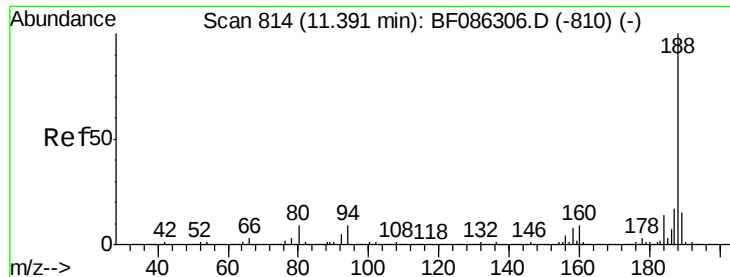


#62
Azobenzene
Concen: 2.90 ng
RT: 10.60 min Scan# 745
Delta R.T. 0.00 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.8	2.3	42.3
105	25.8	3.4	43.4
51	24.4	11.7	51.7

Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0





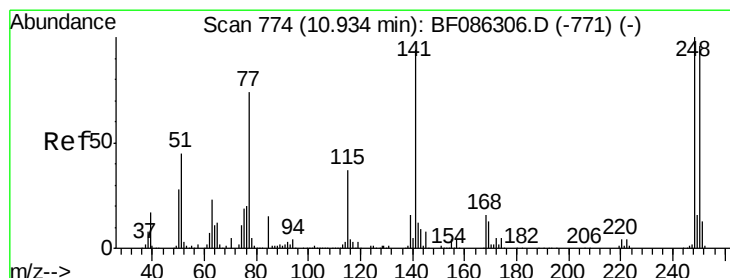
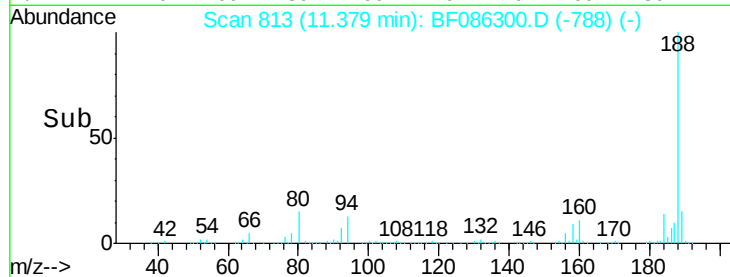
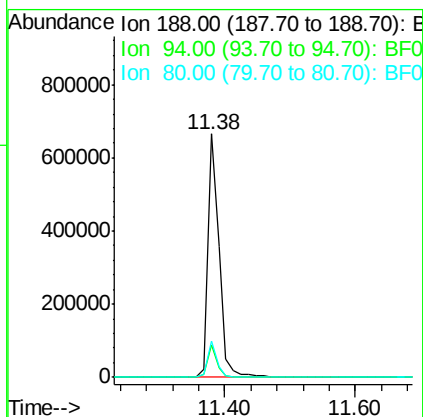
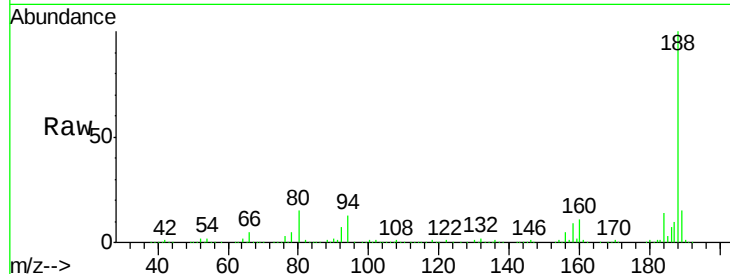
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	788428		
94	13.4		9.8	14.8
80	15.0		10.5	15.7

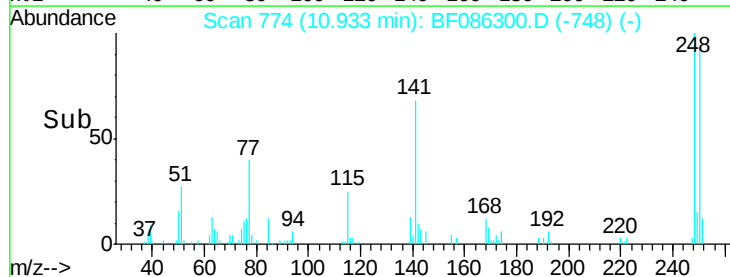
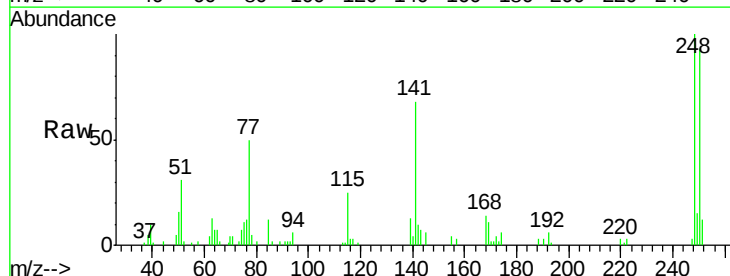
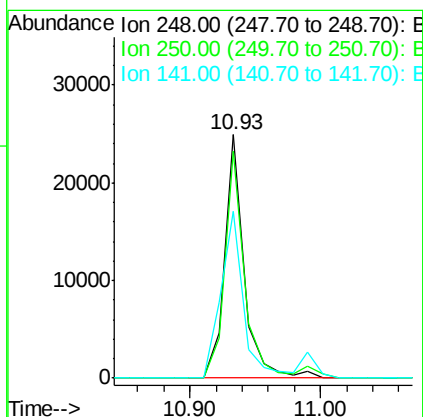
Manual Integrations
APPROVED

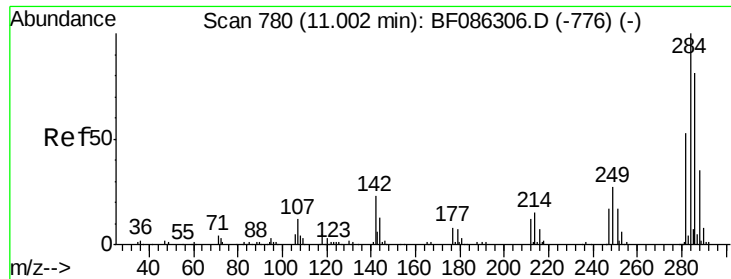
sohil
4/21/2016 7:07:17 PM



#66
4-Bromophenyl-phenylether
Concen: 3.55 ng
RT: 10.93 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	26071		
250	93.2		78.6	118.0
141	68.3		57.9	86.9





#67

Hexachlorobenzene

Concen: 3.36 ng

RT: 10.99 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Instrument :

BNA_F

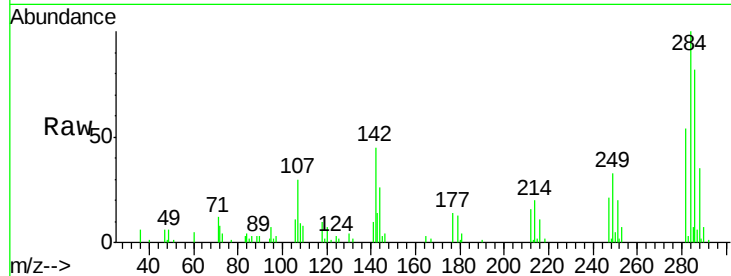
ClientSampleId :

SSTDIC02.5

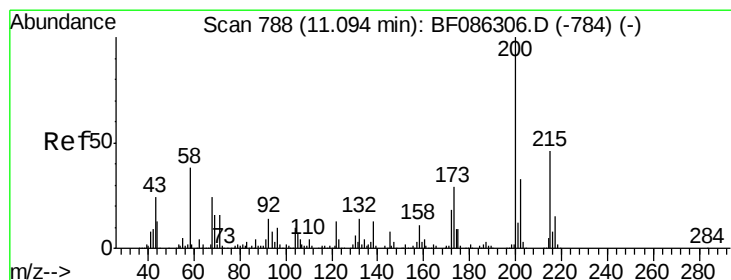
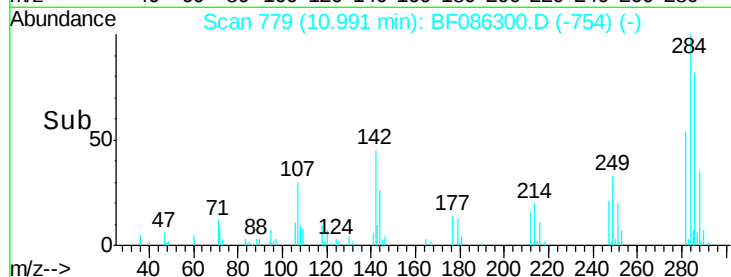
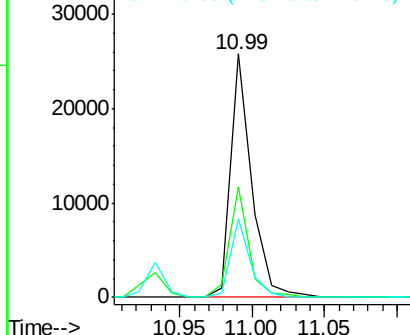
Tot Ion:	284	Resp:	25896
Ion Ratio	Lower	Upper	
284	100		
142	45.4	42.6	64.0
249	32.5	25.9	38.9

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 3.31 ng

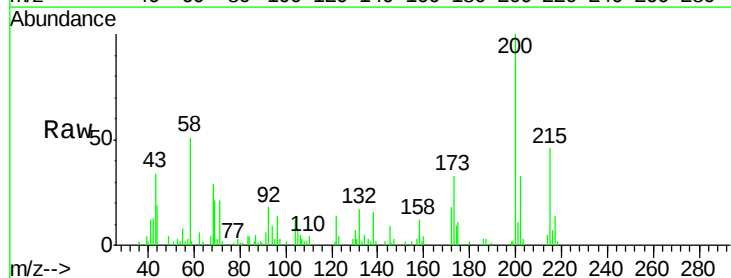
RT: 11.08 min Scan# 787

Delta R.T. -0.01 min

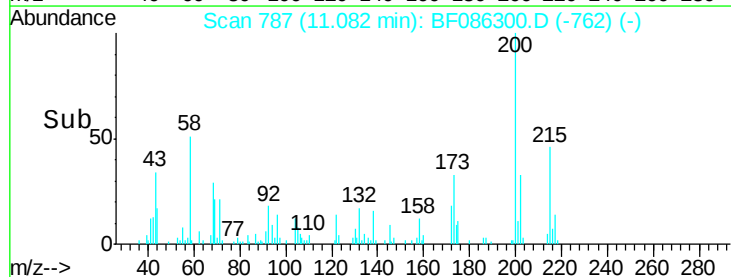
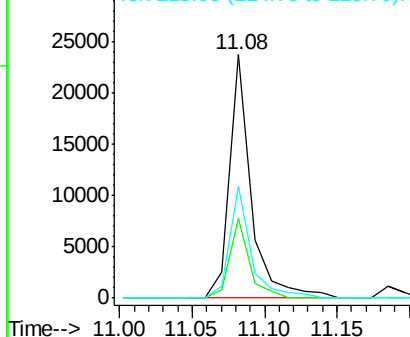
Lab File: BF086300.D

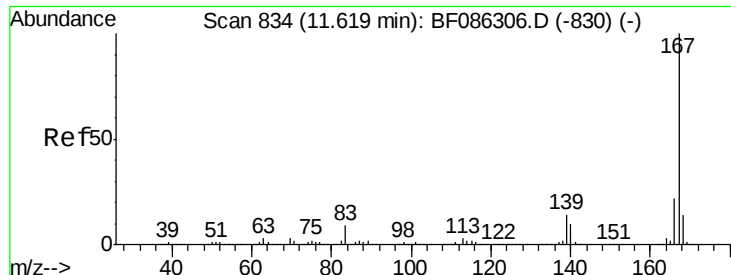
Acq: 20 Apr 2016 10:18

Tgt Ion:	200	Resp:	24477
Ion Ratio	Lower	Upper	
200	100		
173	32.8	11.2	51.2
215	45.9	24.0	64.0



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#72

Carbazole

Concen: 3.06 ng

RT: 11.62 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Instrument :

BNA_F

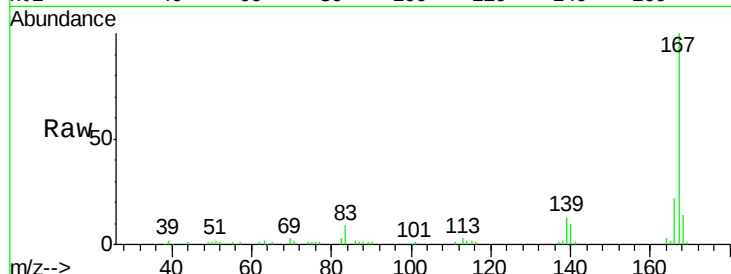
ClientSampleId :

SSTDIC02.5

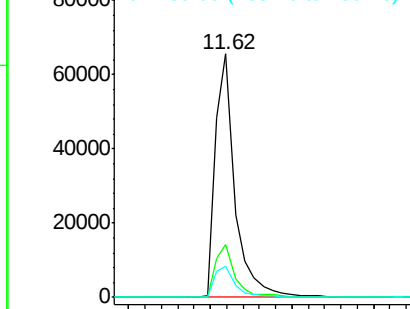
Tot Ion:	167	Resp:	109715
Ion Ratio	Lower	Upper	
167	100		
166	21.8	18.3	27.5
139	13.0	12.3	18.5

Manual Integrations
APPROVED

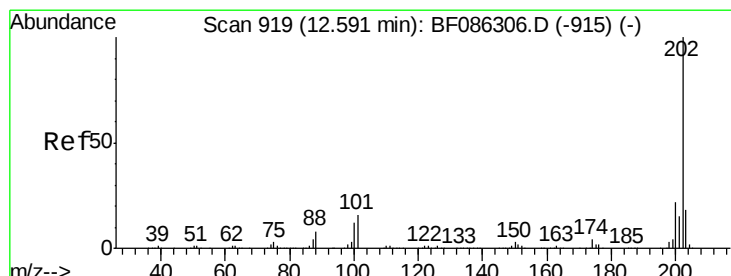
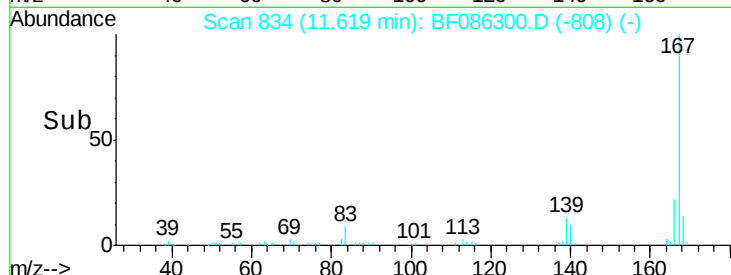
sohil
4/21/2016 7:07:17 PM



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time--> 11.50 11.60 11.70 11.80



#74

Fluoranthene

Concen: 2.75 ng

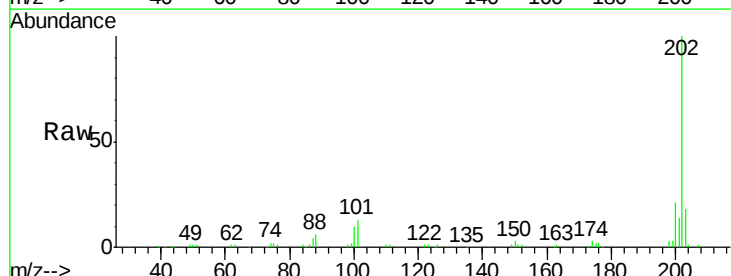
RT: 12.59 min Scan# 919

Delta R.T. 0.00 min

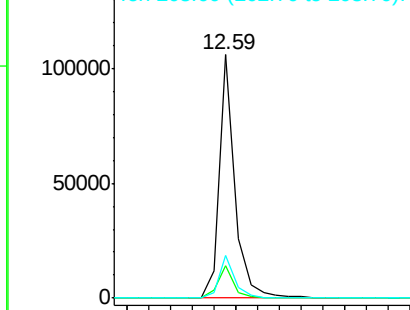
Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

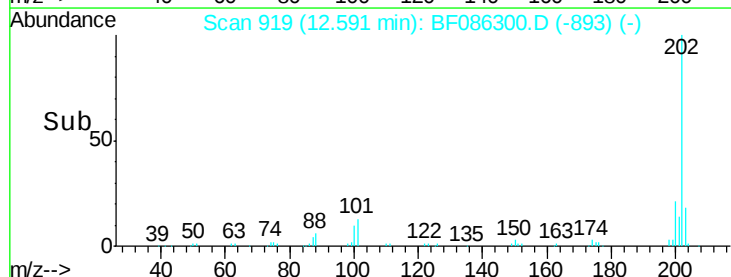
Tgt Ion:	202	Resp:	106063
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	35.2
203	17.7	0.0	38.2

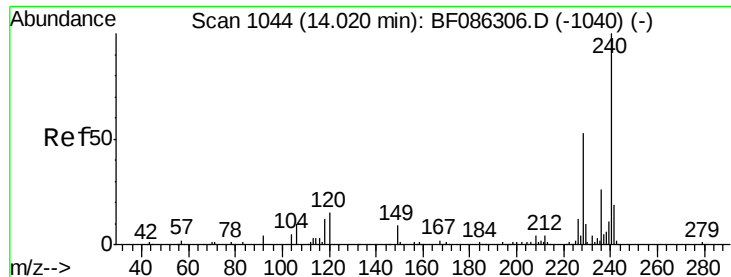


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.50 12.60 12.70





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Instrument :

BNA_F

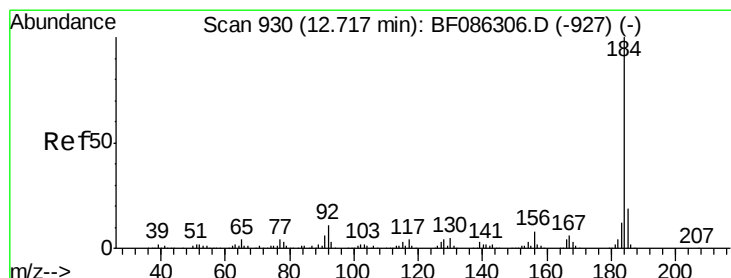
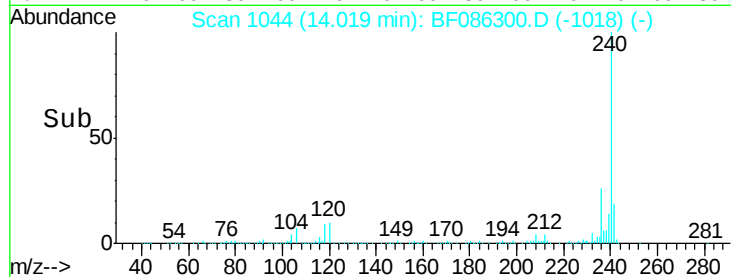
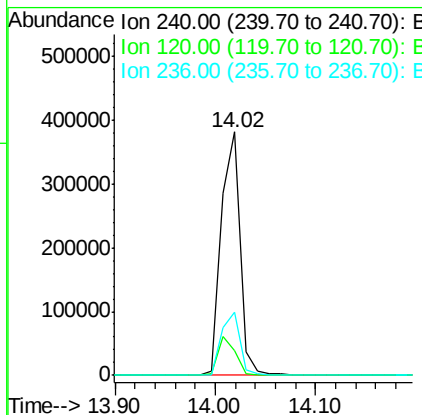
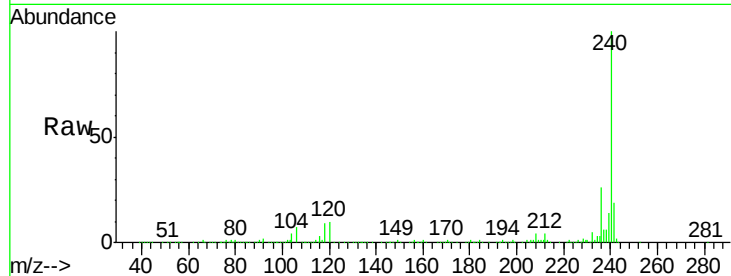
ClientSampleId :

SSTDIC02.5

Tot Ion:	240	Resp:	496920
Ion Ratio		Lower	Upper
240	100		
120	10.1	9.3	13.9
236	25.9	21.1	31.7

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM



#76

Benzidine

Concen: 3.26 ng

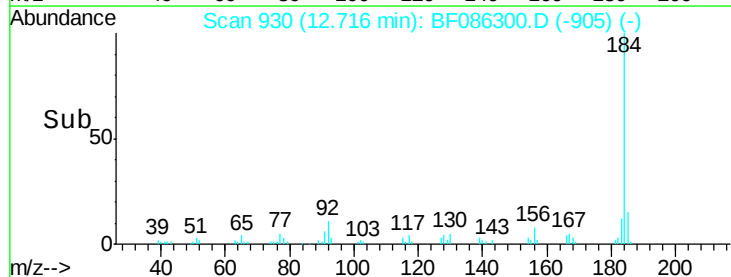
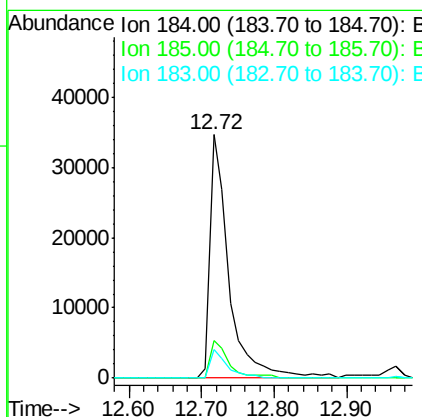
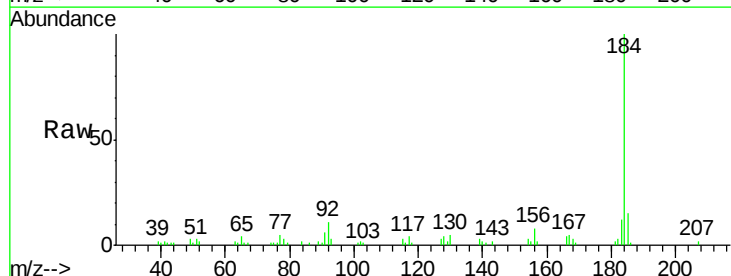
RT: 12.72 min Scan# 930

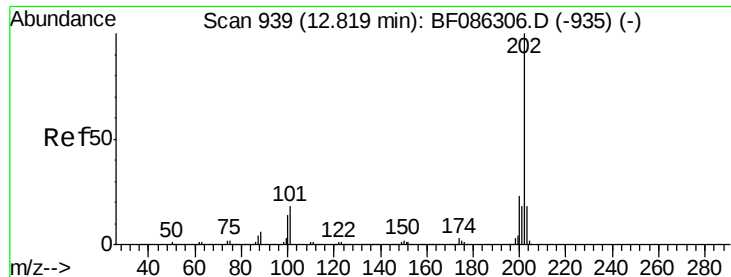
Delta R.T. -0.01 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Tgt Ion:	184	Resp:	62820
Ion Ratio		Lower	Upper
184	100		
185	15.4	14.2	21.2
183	11.9	9.8	14.6





#77

Pvrene

Concen: 2.80 ng

RT: 12.82 min Scan# 939

Delta R.T. 0.00 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

Instrument :

BNA_F

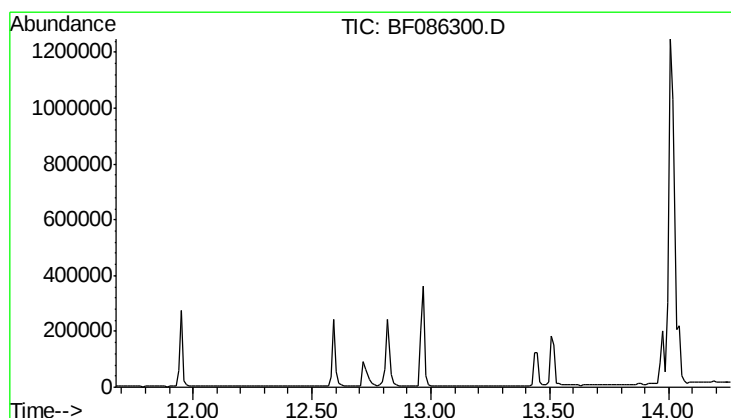
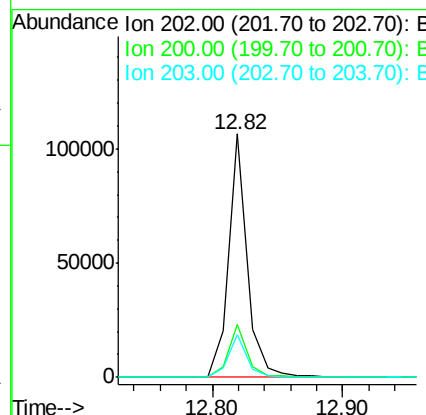
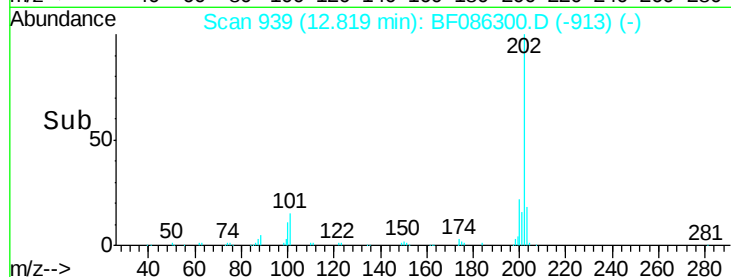
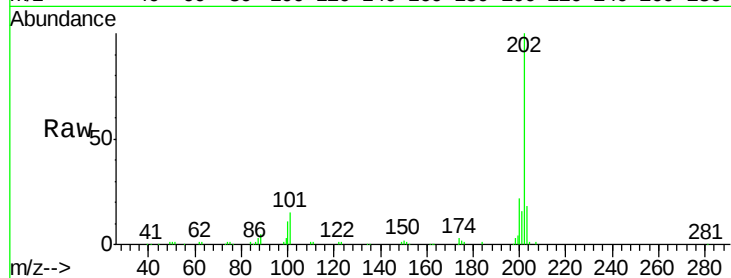
ClientSampleId :

SSTDIC02.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	22.0	18.3		27.5	
203	17.8	14.9		22.3	

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM



#78

Terphenyl-d14

Concen: 0.00 ng

Expected RT: 12.97 min

Lab File: BF086300.D

Acq: 20 Apr 2016 10:18

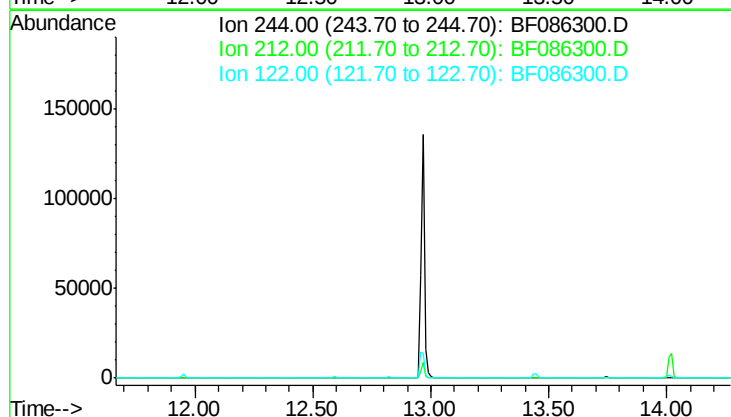
Tgt Ion: 244

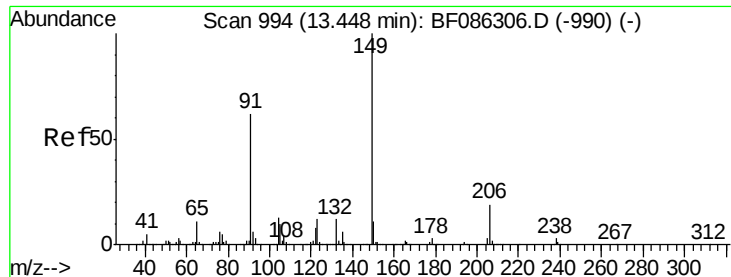
Sig Exp Ratio

244 100

212 8.0

122 14.6





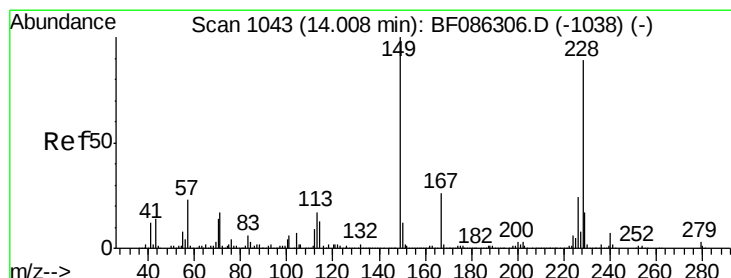
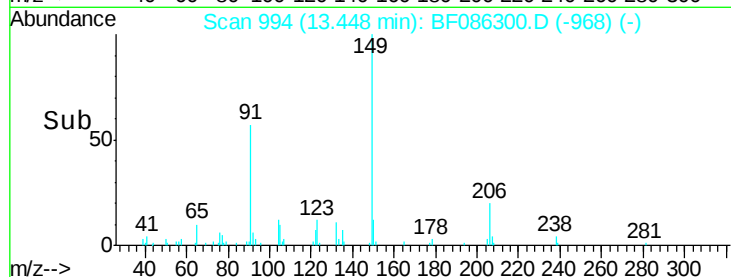
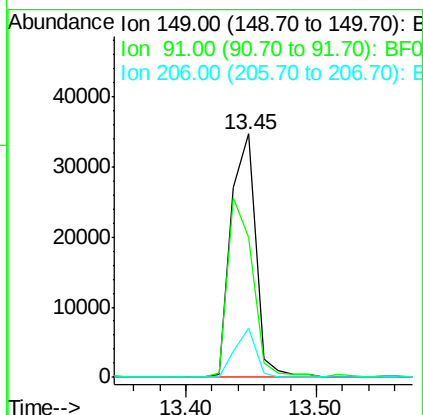
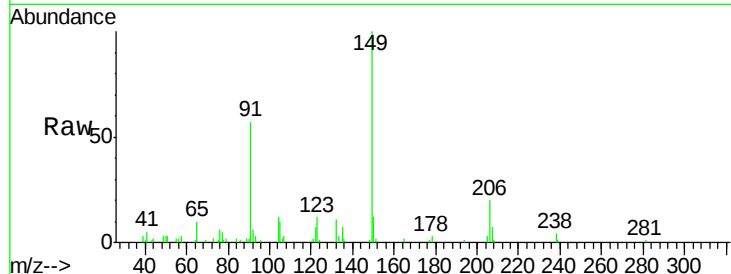
#79
Butylbenzylphthalate
Concen: 2.59 ng
RT: 13.45 min Scan# 994
Delta R.T. 0.00 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

Tot Ion	Ratio	Lower	Upper
149	100		
91	57.2	48.7	73.1
206	20.0	15.7	23.5

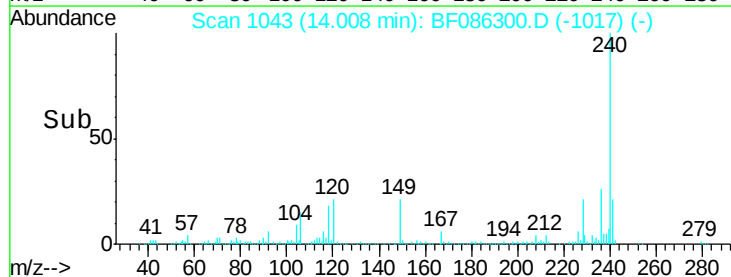
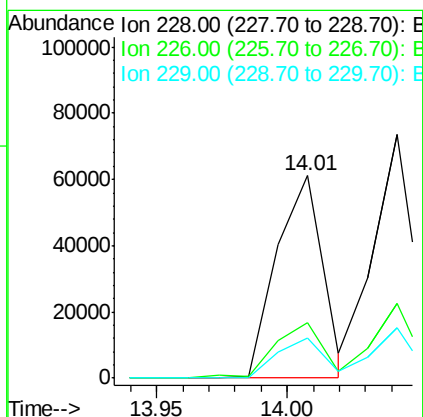
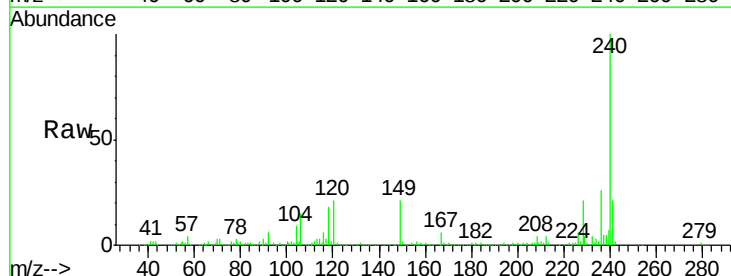
Manual Integrations
APPROVED

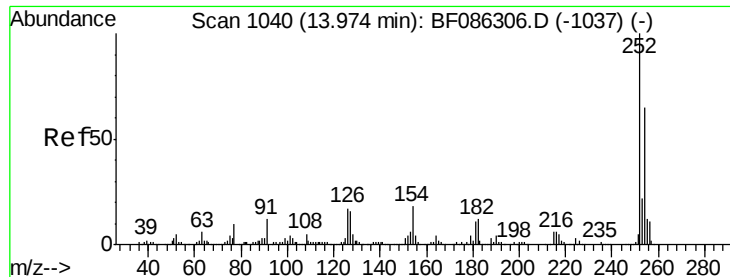
sohil
4/21/2016 7:07:17 PM



#80
Benzo(a)anthracene
Concen: 2.76 ng
RT: 14.01 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.5	33.7
229	19.5	16.2	24.2





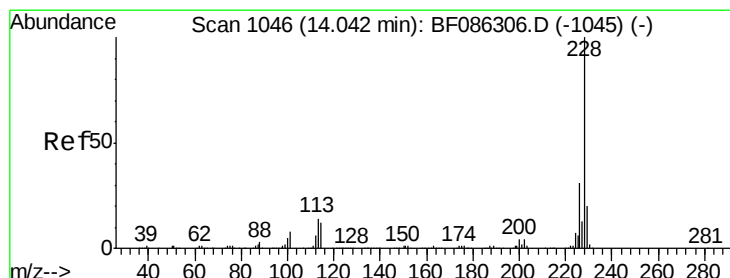
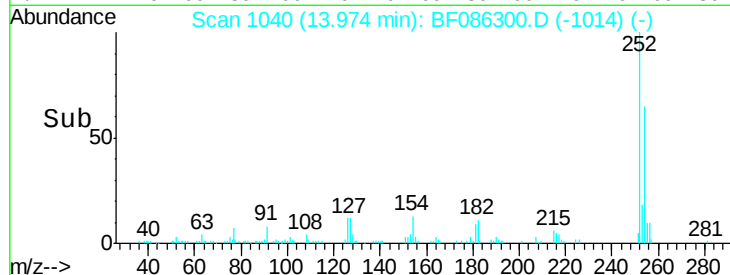
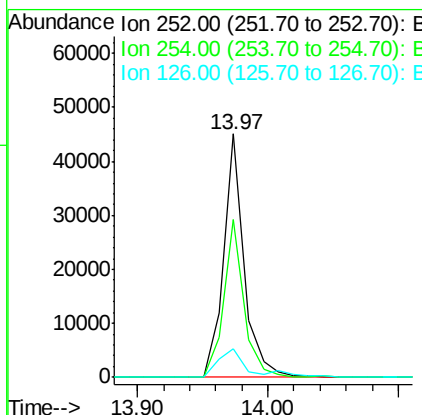
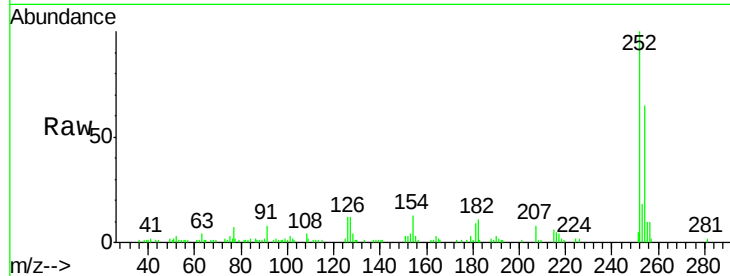
#81
 3,3'-Dichlorobenzidine
 Concen: 3.14 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC02.5

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.1	52.1	78.1
126	11.8	13.2	19.8

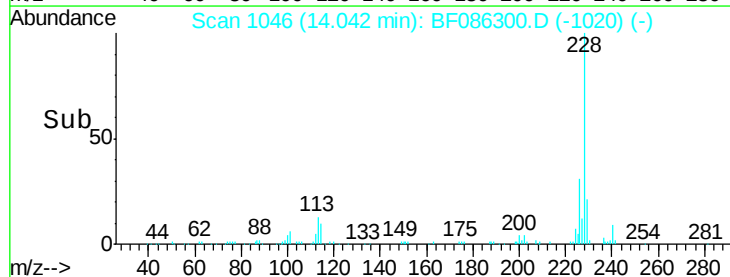
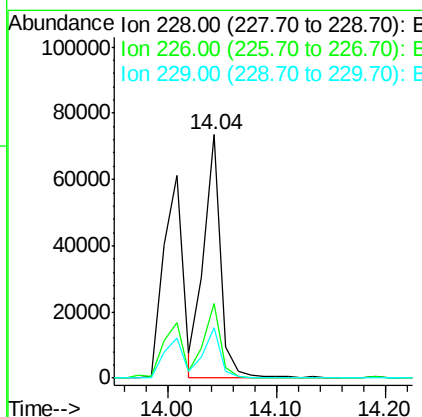
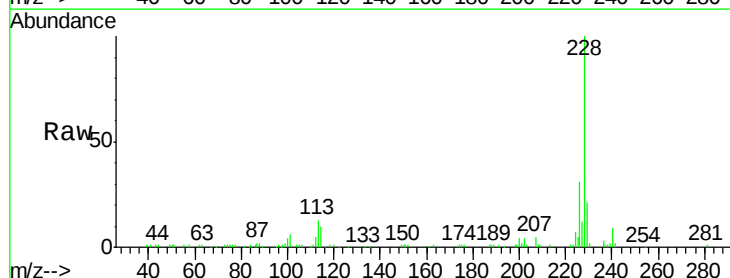
Manual Integrations
 APPROVED

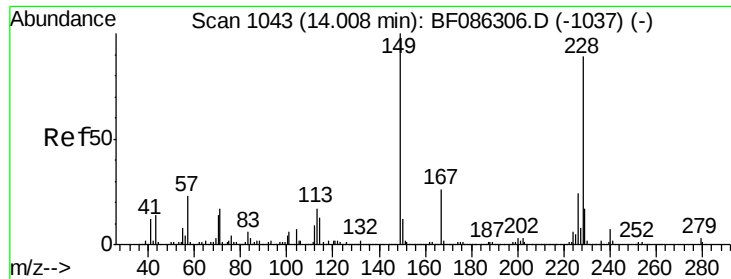
sohil
 4/21/2016 7:07:17 PM



#82
 Chrysene
 Concen: 2.77 ng
 RT: 14.04 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.4	38.2
229	20.5	16.5	24.7





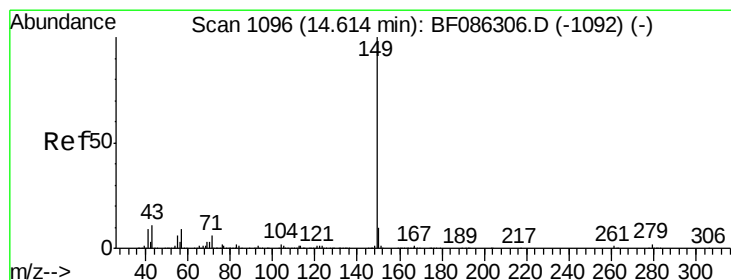
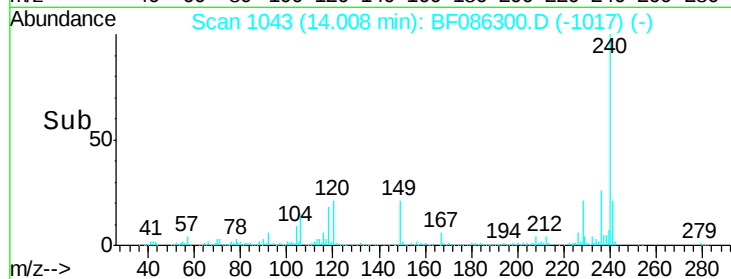
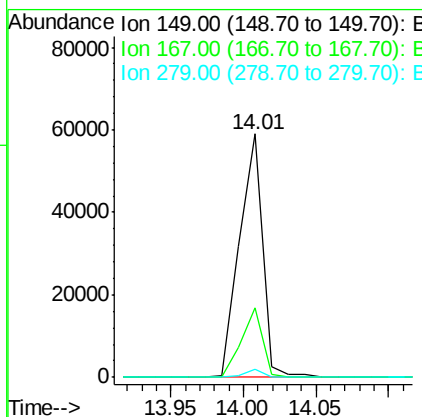
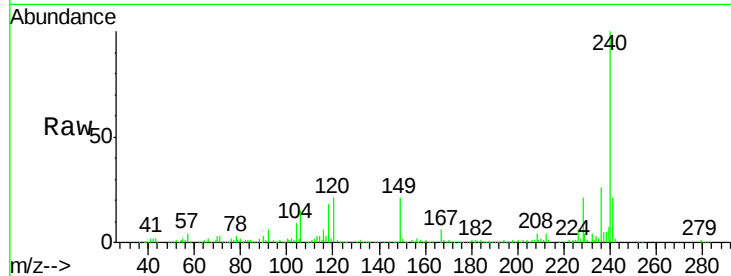
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.42 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC02.5

Tot Ion	Ratio	Resp	Lower	Upper
149	100	65058		
167	28.5		21.0	31.4
279	3.5		2.4	3.6

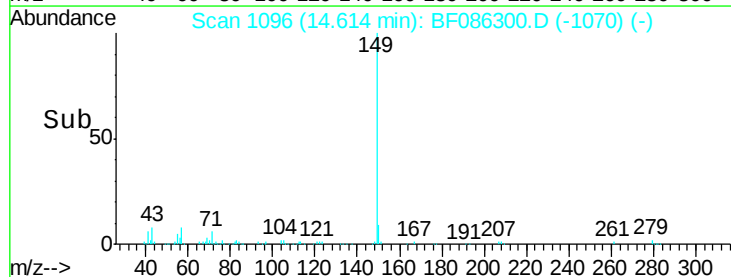
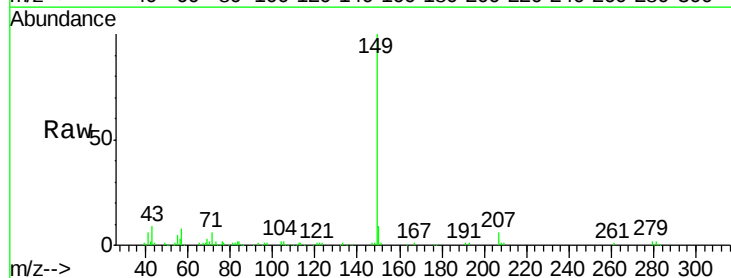
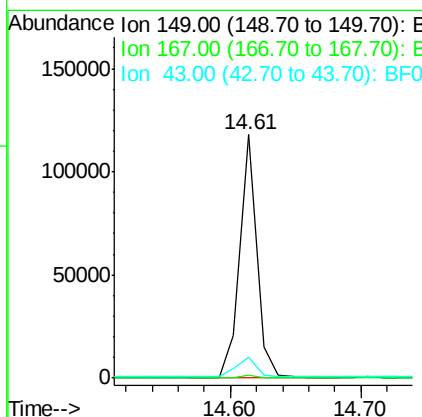
Manual Integrations
 APPROVED

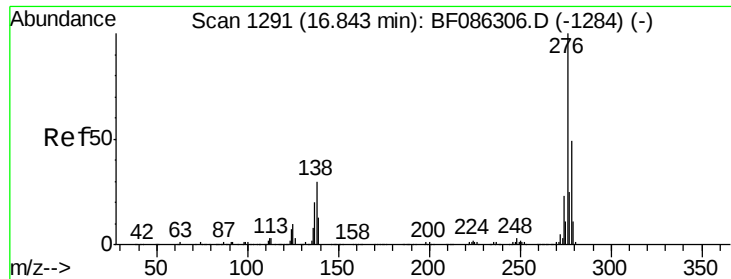
sohil
 4/21/2016 7:07:17 PM



#84
 Di-n-octyl phthalate
 Concen: 2.94 ng
 RT: 14.61 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	107904		
167	1.4		1.1	1.7
43	9.6		9.1	13.7





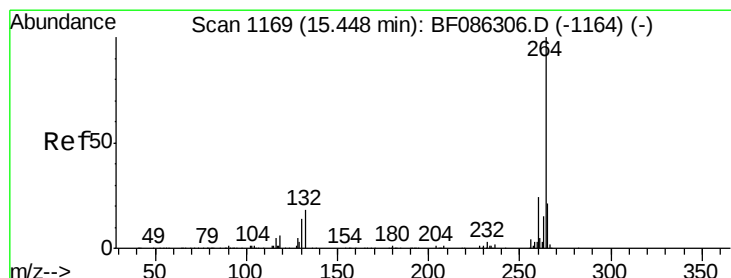
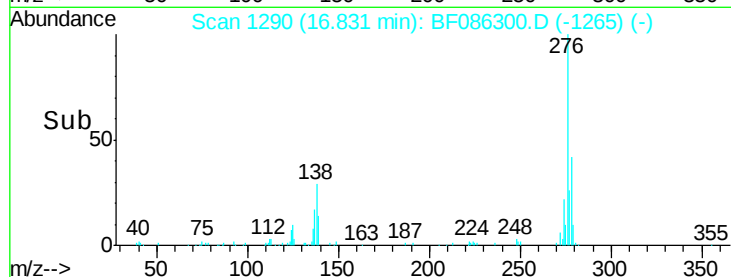
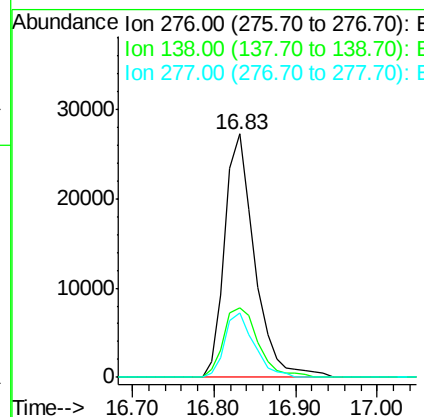
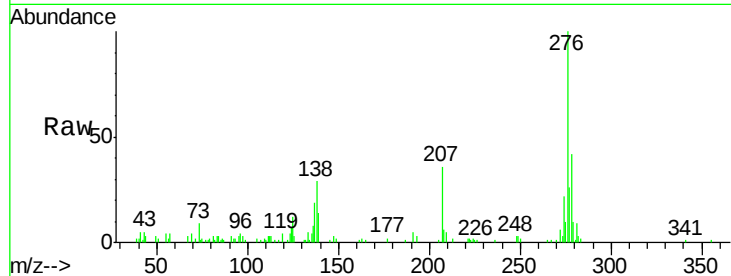
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.90 ng
 RT: 16.83 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC02.5

Tot Ion:	276	Resp:	69395
Ion Ratio	Lower	Upper	
276	100		
138	33.4	23.8	35.6
277	25.8	20.2	30.2

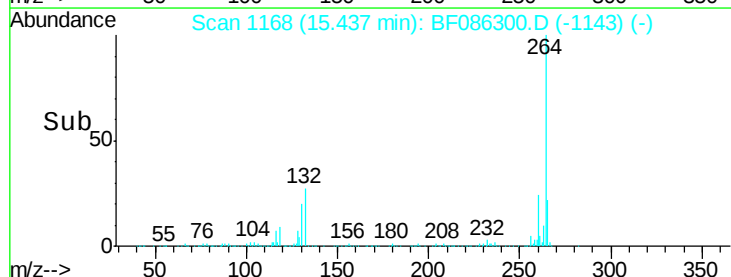
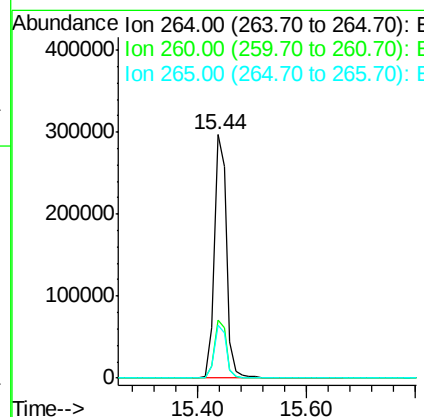
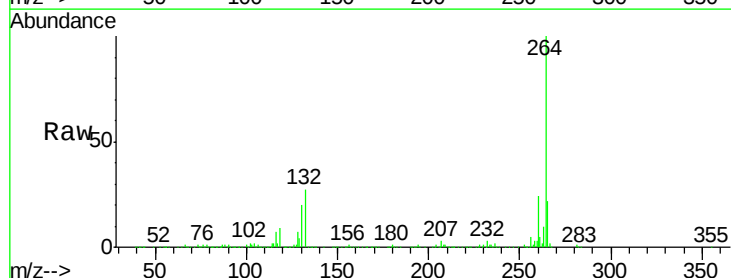
Manual Integrations
 APPROVED

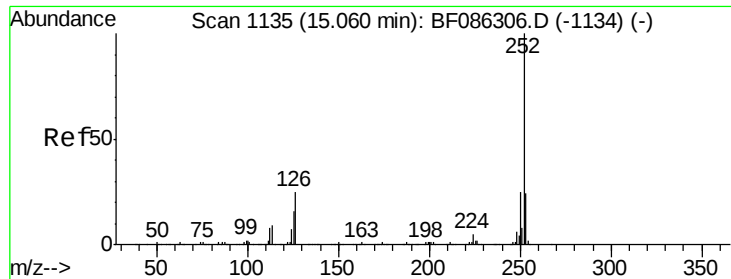
sohil
 4/21/2016 7:07:17 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF086300.D
 Acq: 20 Apr 2016 10:18

Tgt Ion:	264	Resp:	470833
Ion Ratio	Lower	Upper	
264	100		
260	24.0	20.0	30.0
265	21.7	17.4	26.0





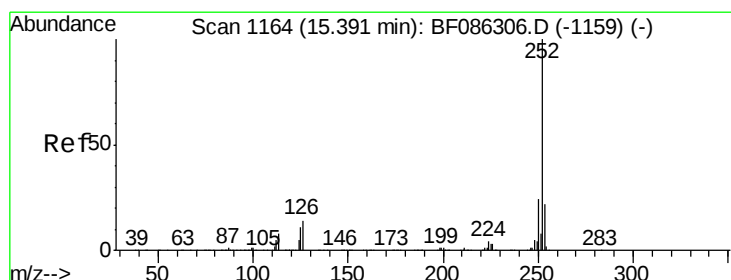
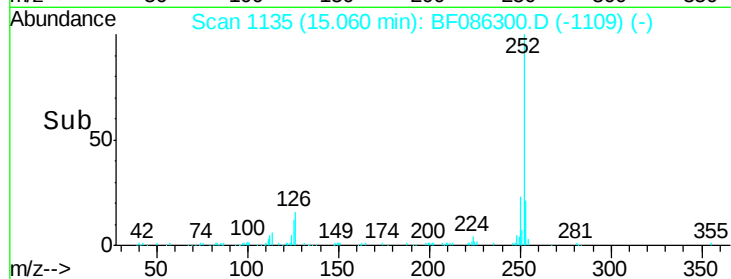
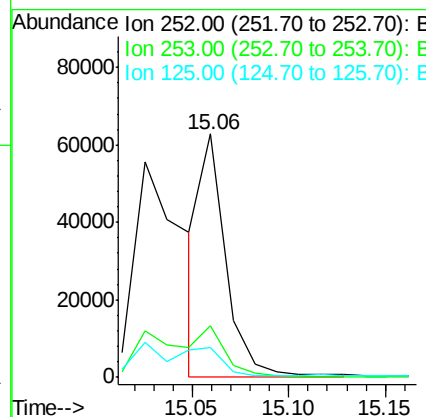
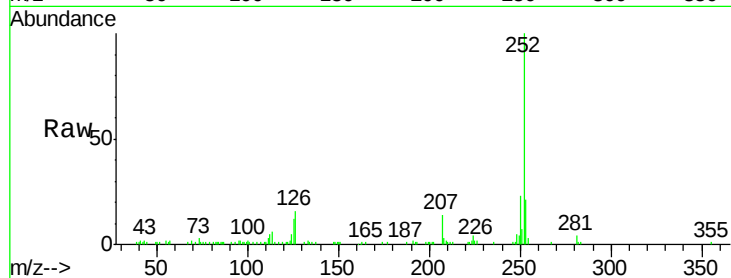
#88
Benzo(k)fluoranthene
Concen: 2.19 ng
RT: 15.06 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.5	26.3
125	12.5	7.8	11.6

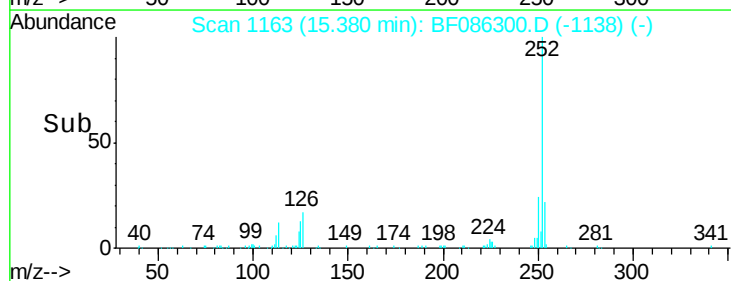
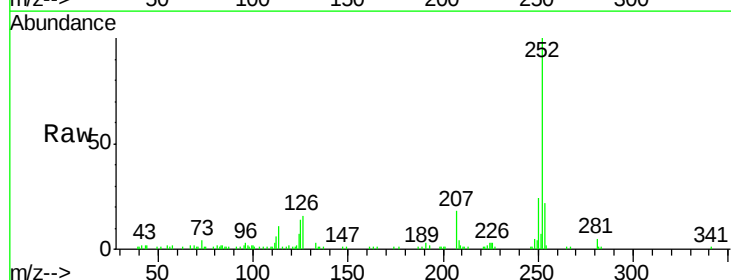
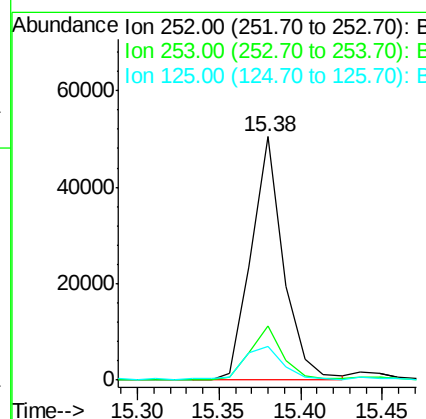
Manual Integrations
APPROVED

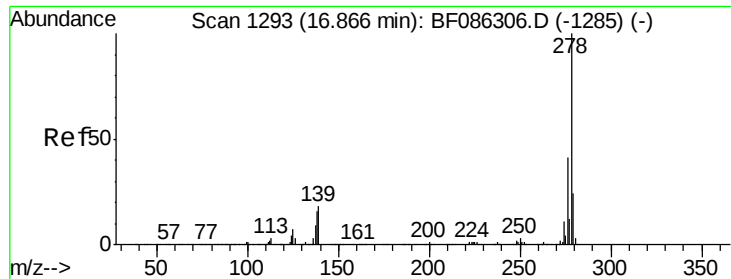
sohil
4/21/2016 7:07:17 PM



#89
Benzo(a)pyrene
Concen: 2.76 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	13.7	11.2	16.8





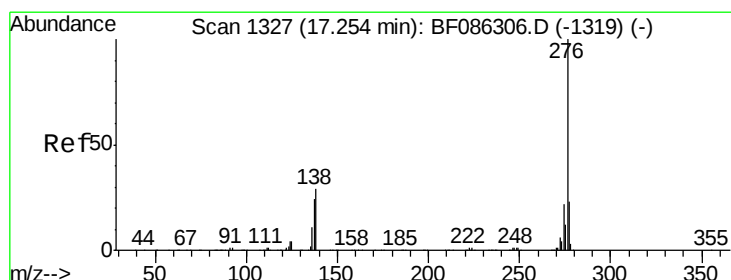
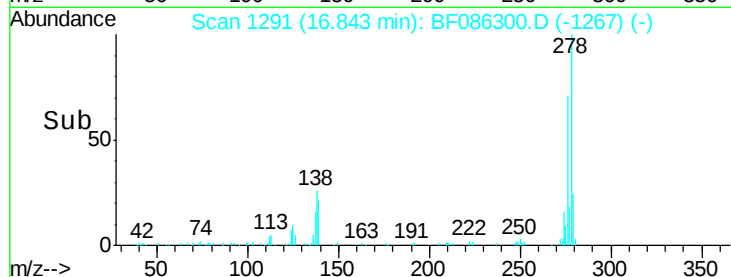
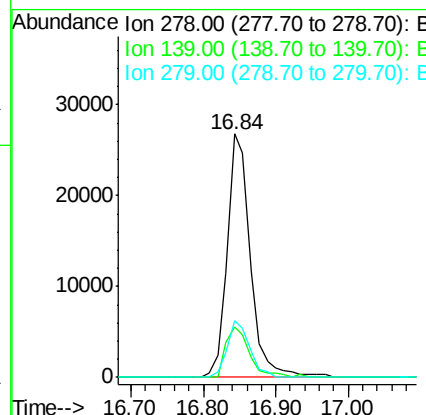
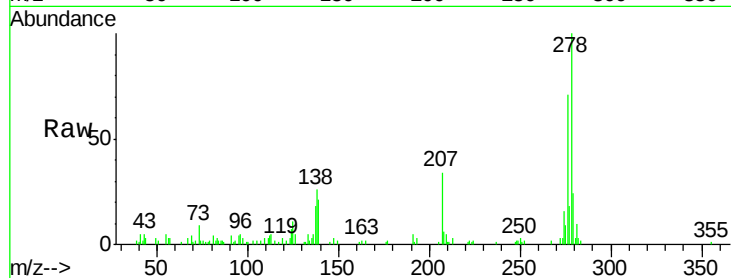
#90
Dibenzo(a,h)anthracene
Concen: 2.68 ng
RT: 16.84 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC02.5

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.8	15.3	22.9
279	23.5	19.1	28.7

Manual Integrations
APPROVED

sohil
4/21/2016 7:07:17 PM



#91
Benzo(g,h,i)perylene
Concen: 2.28 ng
RT: 17.24 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF086300.D
Acq: 20 Apr 2016 10:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.0	28.6
138	28.4	19.6	29.4

