

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100516\
 Data File : BF090396.D
 Acq On : 5 Oct 2016 22:51
 Operator : UM/SJ
 Sample : H4803-06DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WP

Manual Integrations
 APPROVED

SOHIL
 10/6/2016 5:27:38 PM

Quant Time: Oct 06 02:08:41 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	235535	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	999061	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	513080	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	760162	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	623396	20.00	ng	-0.01
86) Perylene-d12	15.70	264	415029	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	401461	25.44	ng	-0.01
7) Phenol-d6	6.61	99	548644	26.54	ng	-0.01
23) Nitrobenzene-d5	7.56	82	368253	17.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	113739	27.26	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	579106	18.81	ng	-0.01
78) Terphenyl-d14	13.13	244	522067	18.83	ng	-0.01
Target Compounds						Qvalue
8) 2-Chlorophenol	6.78	128	567085	32.65	ng	97
10) Phenol	6.63	94	667392	27.77	ng	83
17) 2-Methylphenol	7.24	107	355658	24.90	ng	97
20) 3+4-Methylphenols	7.40	107	705223	38.14	ng	# 73
26) 2-Nitrophenol	7.90	139	264726	30.16	ng	# 85
27) 2,4-Dimethylphenol	7.94	122	468276	27.44	ng	99
29) 2,4-Dichlorophenol	8.14	162	141514	10.91	ng	98
32) Benzoic acid	8.03	122	252287	21.26	ng	92
36) 4-Chloro-3-methylphenol	8.83	107	244291	15.04	ng	96
42) 2,4,6-Trichlorophenol	9.27	196	239963	25.71	ng	94
43) 2,4,5-Trichlorophenol	9.31	196	132535m	15.02	ng	
53) 2,4-Dinitrophenol	10.10	184	67516	20.76	ng	94
55) 4-Nitrophenol	10.14	139	231398	31.03	ng	100
64) 4,6-Dinitro-2-methylphenol	10.63	198	120165	26.20	ng	# 67
69) Pentachlorophenol	11.34	266	129055	26.13	ng	98

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

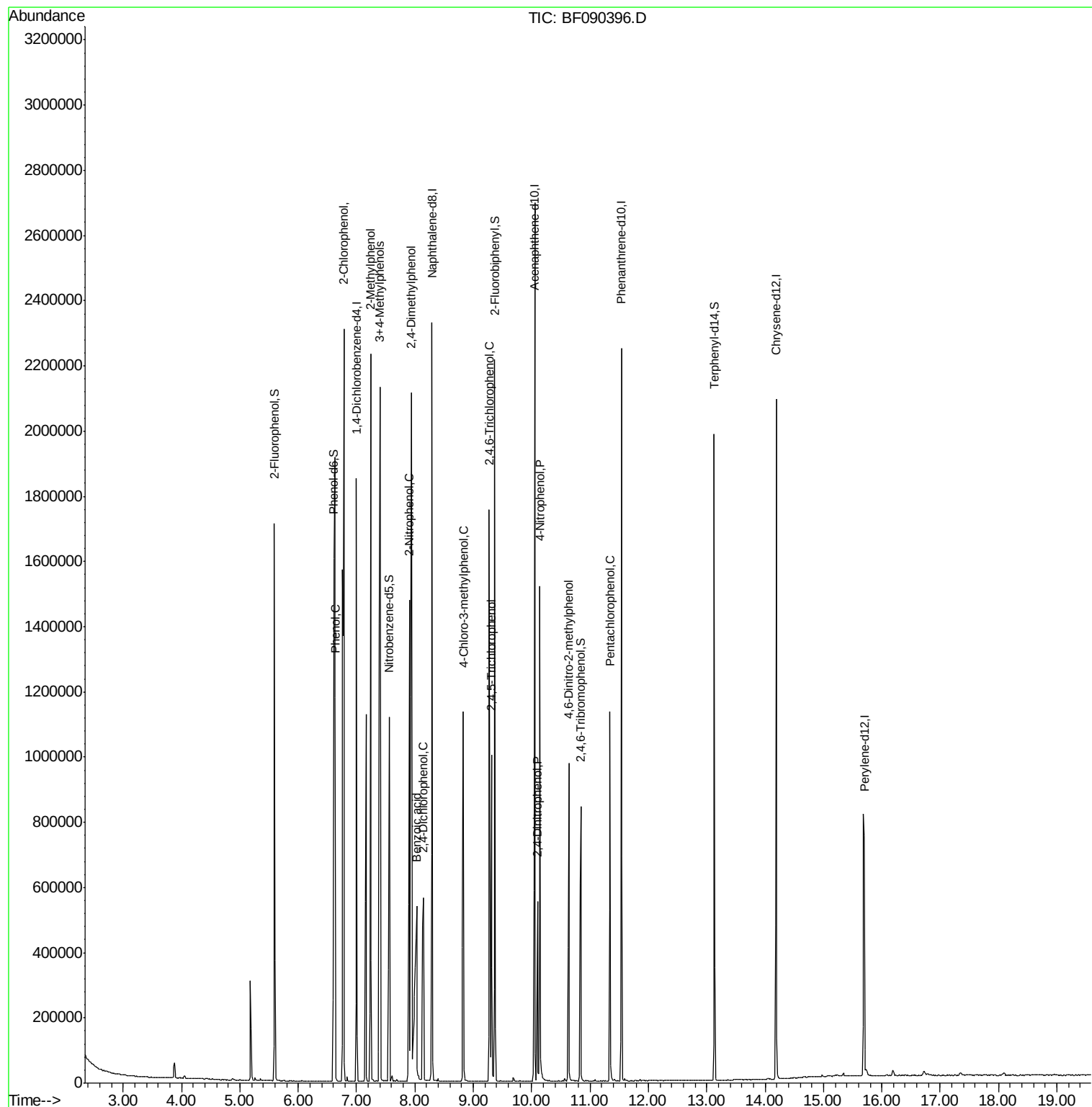
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100516\
Data File : BF090396.D
Acq On : 5 Oct 2016 22:51
Operator : UM/SJ
Sample : H4803-06DL 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

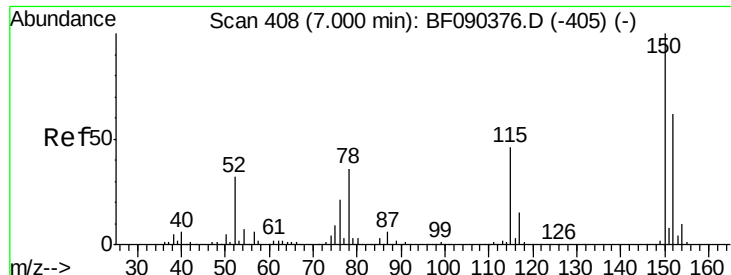
Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

Manual Integrations
APPROVED

SOHIL
10/6/2016 5:27:38 PM

Quant Time: Oct 06 02:08:41 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 05 14:57:00 2016
Response via : Initial Calibration





#1

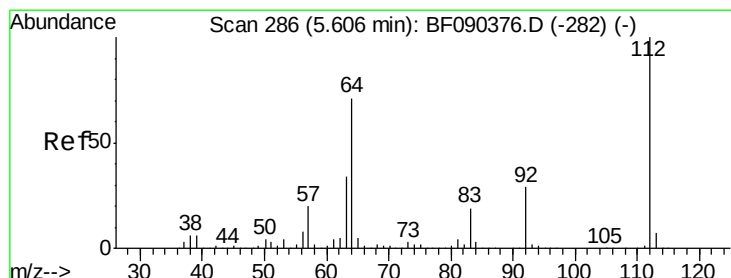
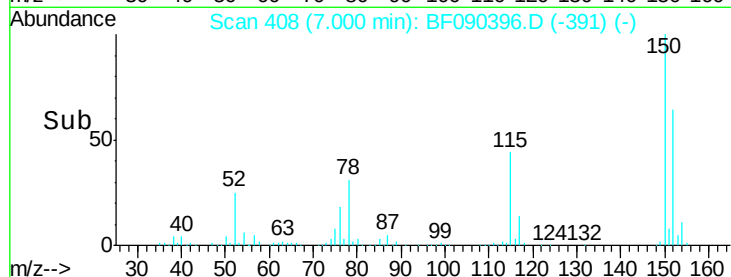
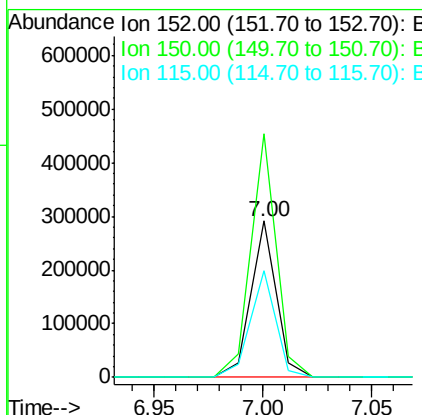
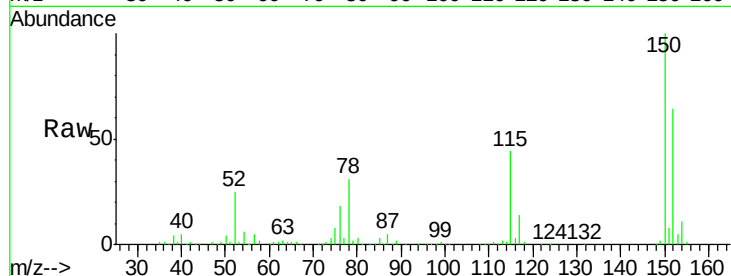
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 408
Delta R.T. -0.00 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	68.2	46.2	69.4

Manual Integrations
APPROVED

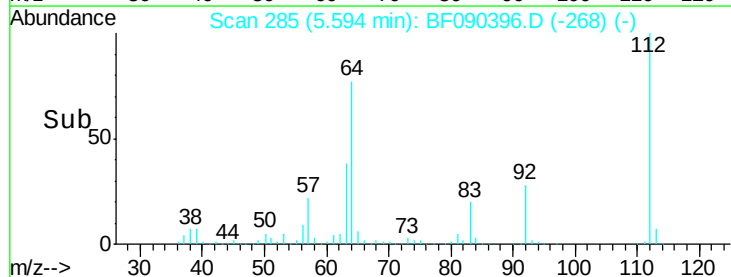
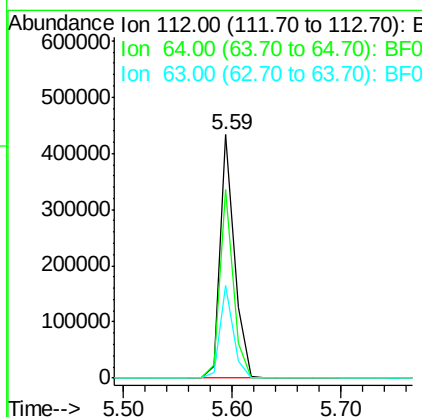
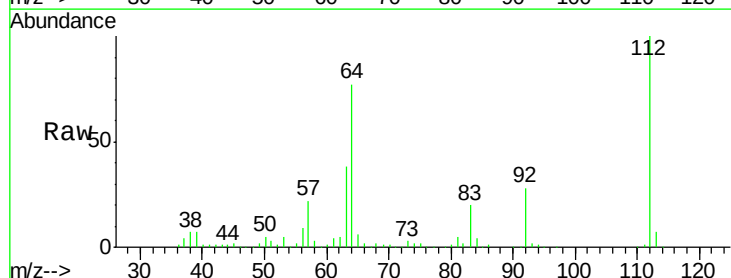
SOHIL
10/6/2016 5:27:38 PM

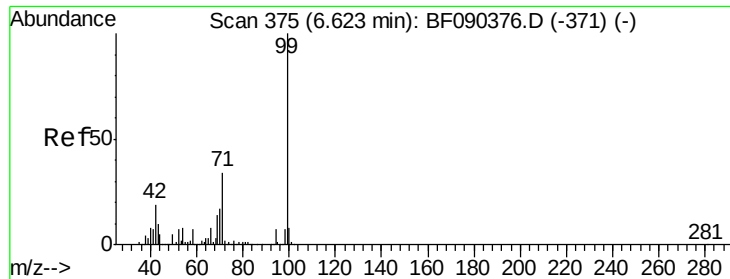


#5

2-Fluorophenol
Concen: 25.44 ng
RT: 5.59 min Scan# 285
Delta R.T. -0.01 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.5	57.9	86.9
63	37.9	29.6	44.4





#7

Phenol-d6

Concen: 26.54 ng

RT: 6.61 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Instrument :

BNA_F

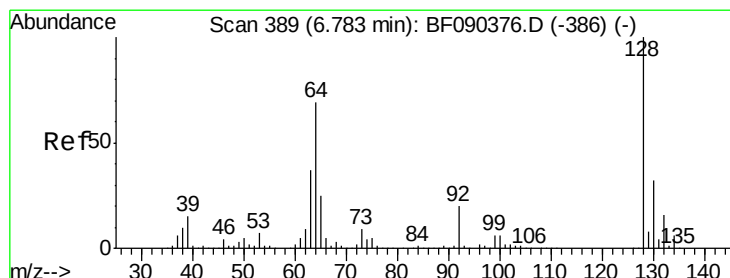
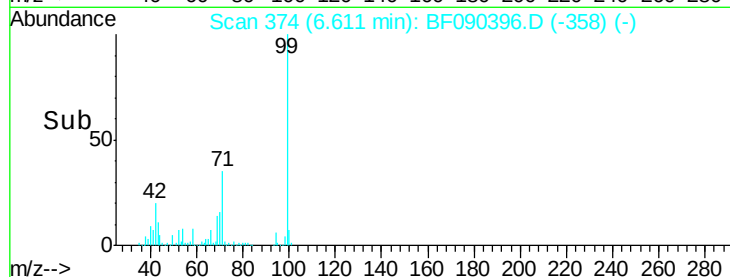
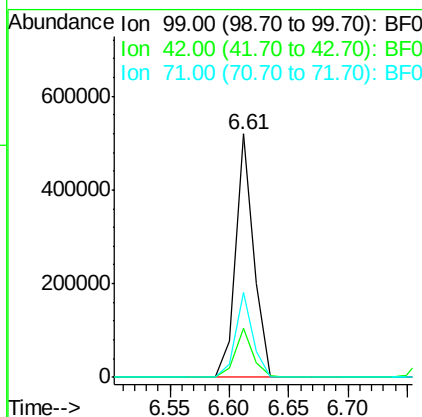
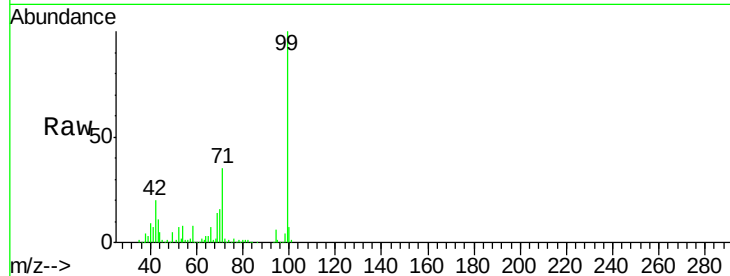
ClientSampleId :

PT-ACIDS-WP

Tot Ion:	99	Resp:	548644
Ion Ratio	Lower	Upper	
99	100		
42	20.4	20.0	30.0
71	34.9	27.9	41.9

Manual Integrations
APPROVED

SOHIL
10/6/2016 5:27:38 PM



#8

2-Chlorophenol

Concen: 32.65 ng

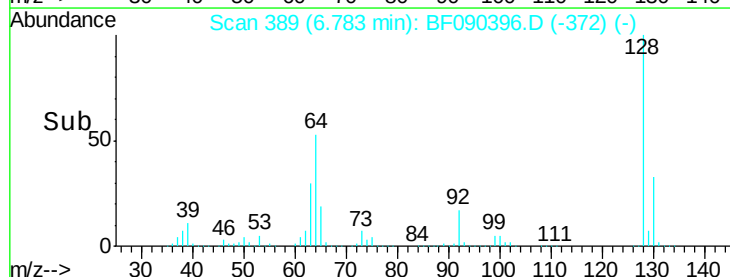
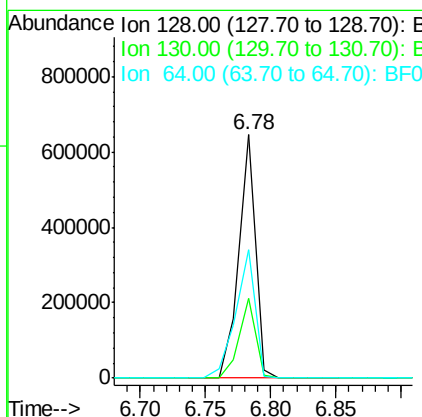
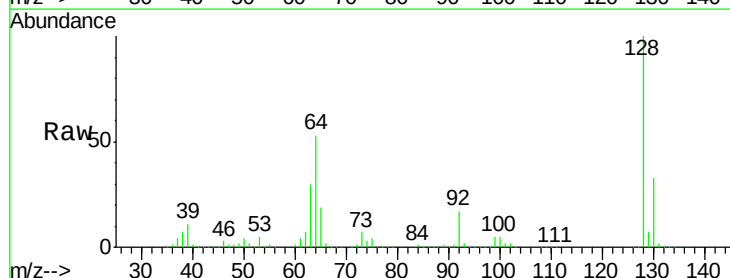
RT: 6.78 min Scan# 389

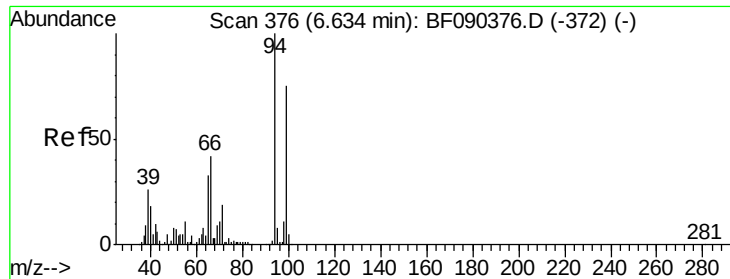
Delta R.T. -0.00 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Tgt Ion:	128	Resp:	567085
Ion Ratio	Lower	Upper	
128	100		
130	33.0	13.3	53.3
64	52.7	36.0	76.0





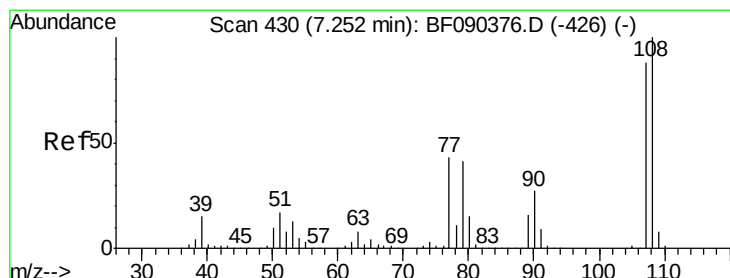
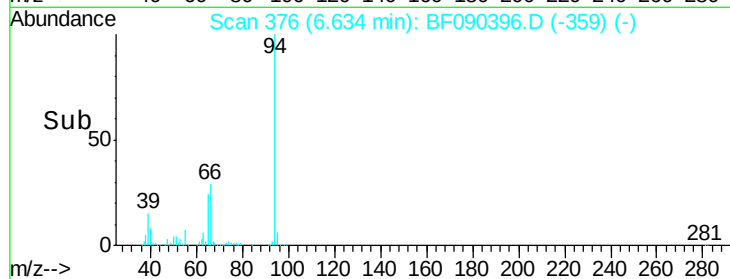
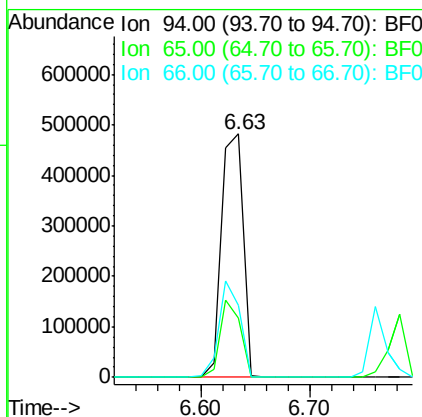
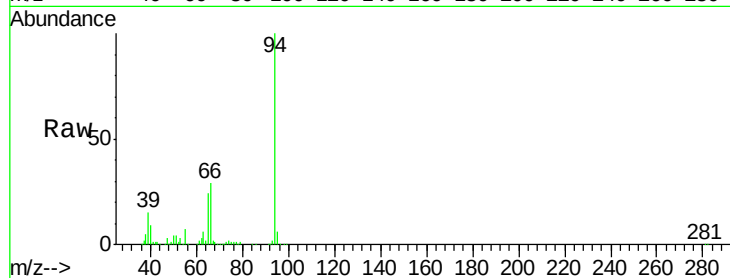
#10
Phenol
Concen: 27.77 ng
RT: 6.63 min Scan# 376
Delta R.T. -0.00 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

Tot Ion	Ratio	Lower	Upper
94	100		
65	24.3	13.3	53.3
66	29.5	20.4	60.4

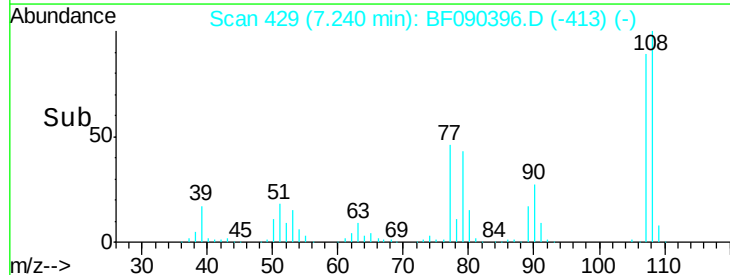
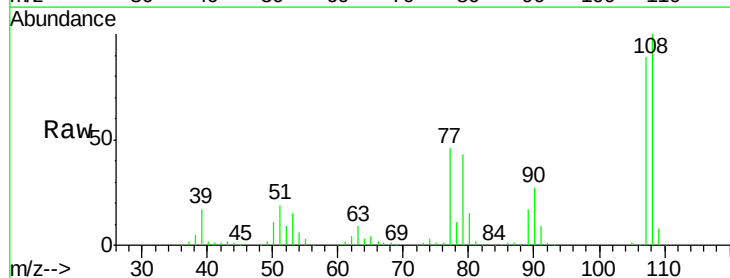
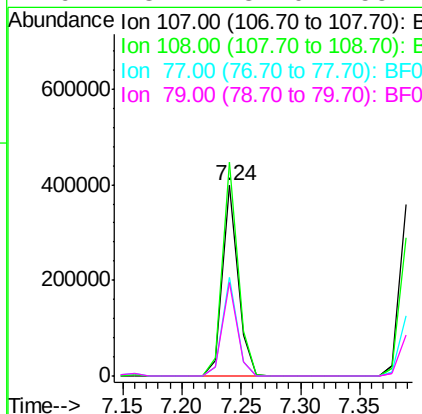
Manual Integrations
APPROVED

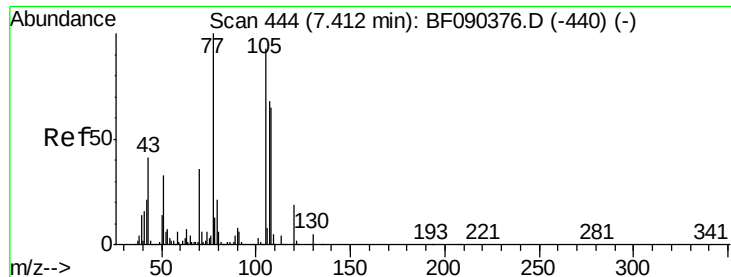
SOHIL
10/6/2016 5:27:38 PM



#17
2-Methylphenol
Concen: 24.90 ng
RT: 7.24 min Scan# 429
Delta R.T. -0.01 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Tgt Ion	Ratio	Lower	Upper
107	100		
108	112.1	90.9	136.3
77	51.8	38.2	57.4
79	48.7	37.0	55.4





#20

3+4-Methylphenols

Concen: 38.14 ng

RT: 7.40 min Scan# 443

Delta R.T. -0.01 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Instrument :

BNA_F

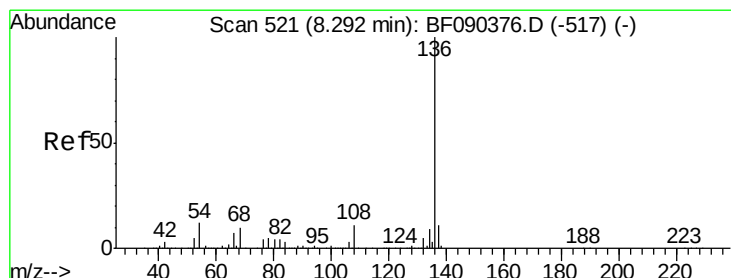
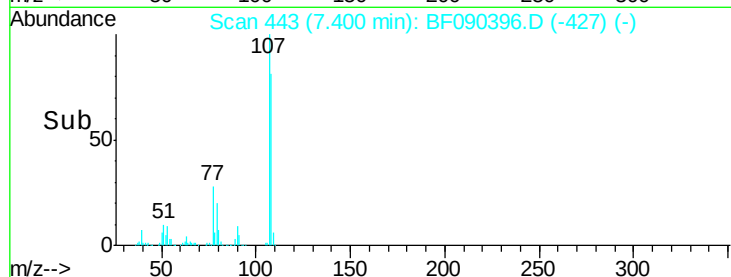
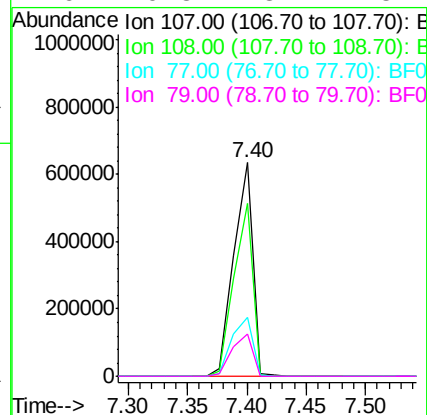
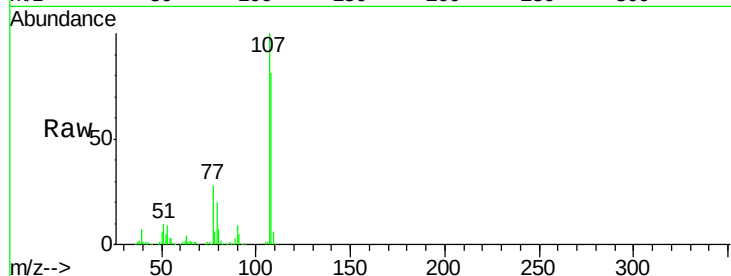
ClientSampleId :

PT-ACIDS-WP

Tot Ion	Ratio	Lower	Upper
107	100		
108	80.8	66.7	106.7
77	27.8	53.7	93.7#
79	19.8	8.4	48.4

Manual Integrations
APPROVED

SOHIL
10/6/2016 5:27:38 PM



#21

Naphthalene-d8

Concen: 20.00 ng

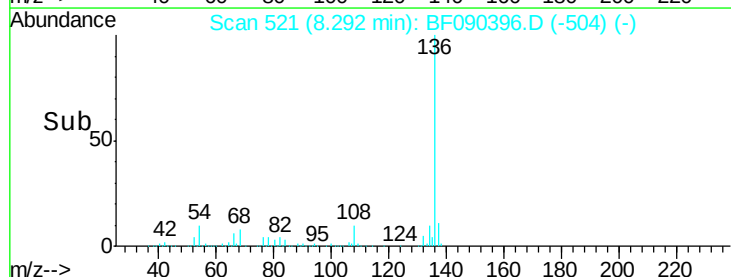
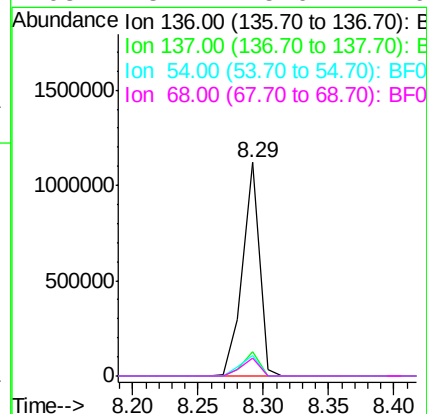
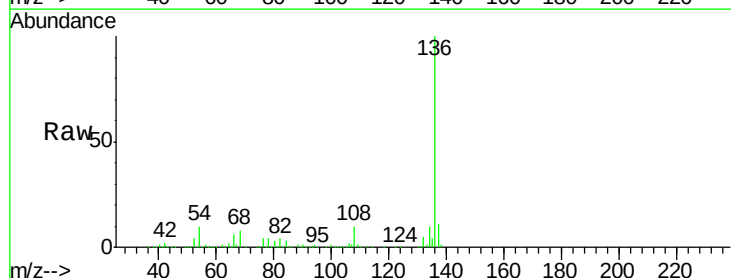
RT: 8.29 min Scan# 521

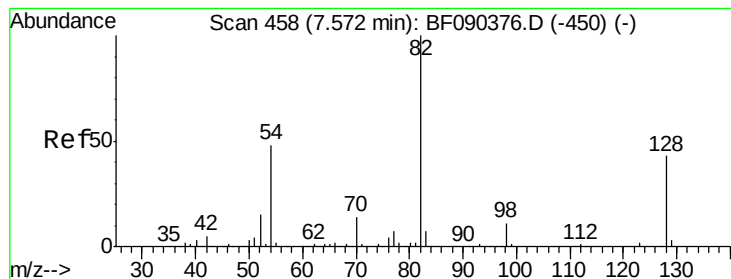
Delta R.T. -0.00 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	9.5	6.6	10.0
68	8.4	5.0	7.6#





#23

Nitrobenzene-d5

Concen: 17.93 ng

RT: 7.56 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Instrument :

BNA_F

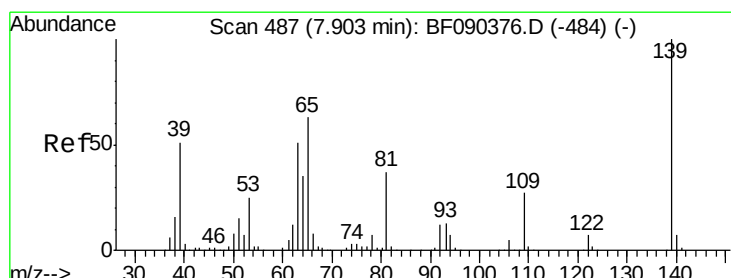
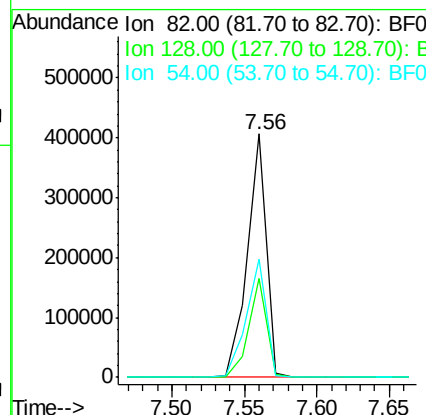
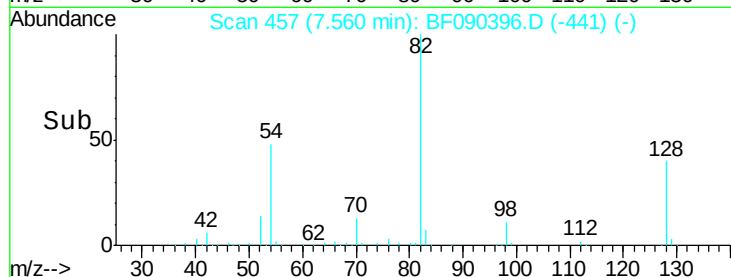
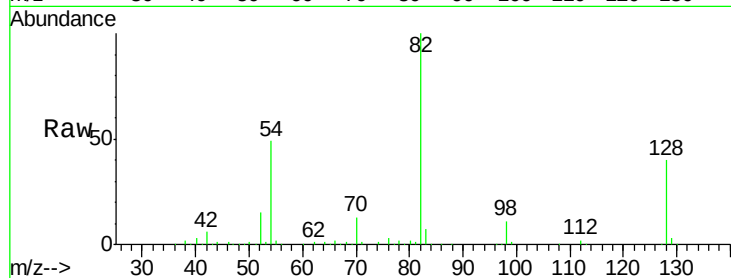
ClientSampled :

PT-ACIDS-WP

Tot Ion	82	Resp	368253
Ion Ratio	Lower	Upper	
82	100		
128	40.4	40.0	60.0
54	48.7	42.6	64.0

Manual Integrations
APPROVED

SOHIL
10/6/2016 5:27:38 PM



#26

2-Nitrophenol

Concen: 30.16 ng

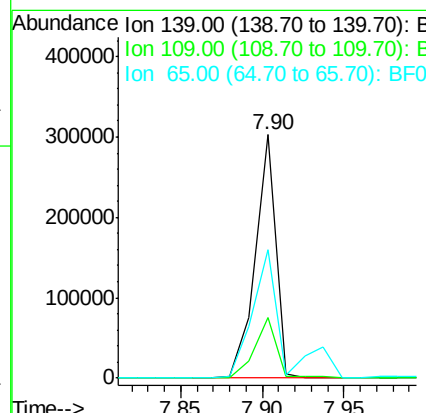
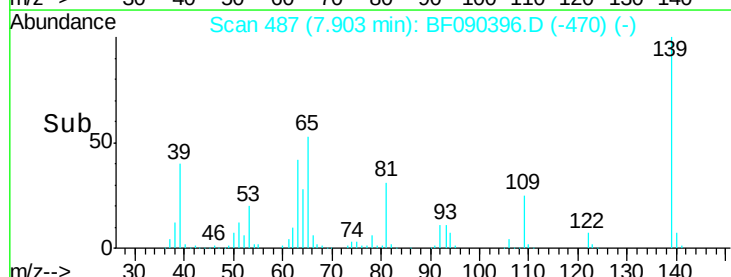
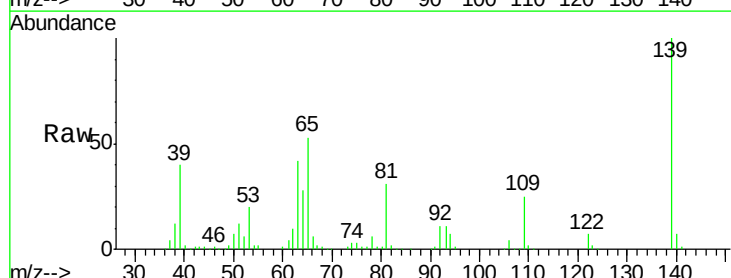
RT: 7.90 min Scan# 487

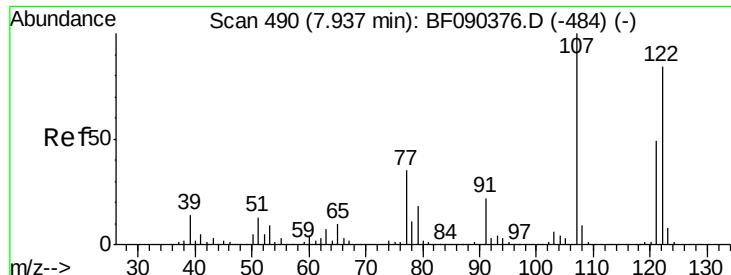
Delta R.T. -0.00 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Tgt Ion	139	Resp	264726
Ion Ratio	Lower	Upper	
139	100		
109	25.1	18.9	28.3
65	53.0	31.6	47.4#





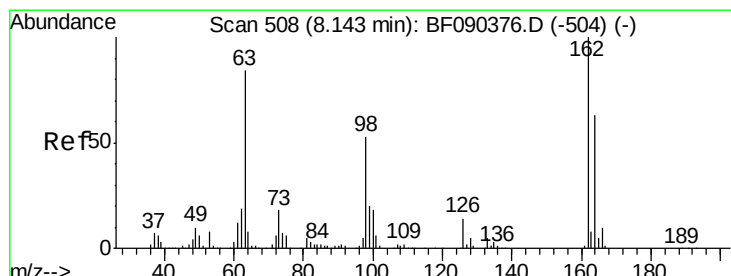
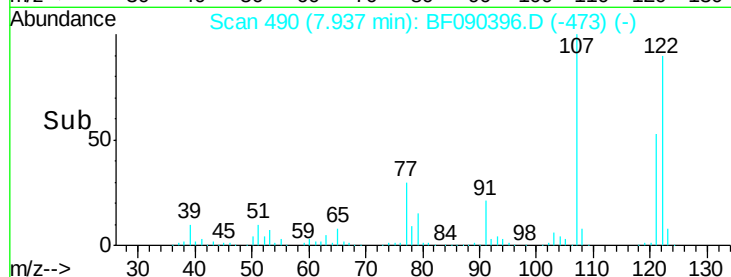
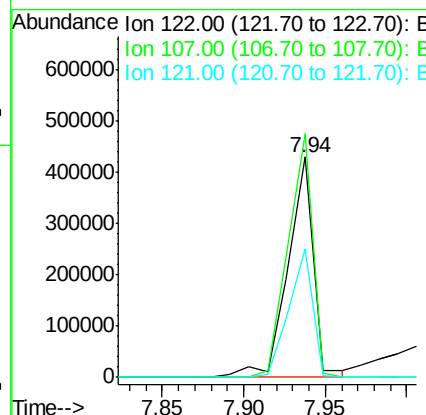
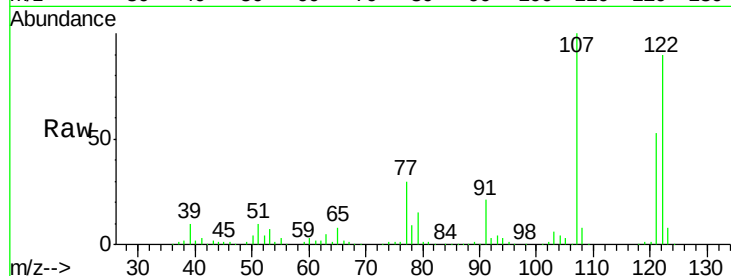
#27
2,4-Dimethylphenol
Concen: 27.44 ng
RT: 7.94 min Scan# 490
Delta R.T. -0.00 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

Tot Ion	Ratio	Lower	Upper
122	100		
107	110.6	88.6	132.8
121	58.3	47.5	71.3

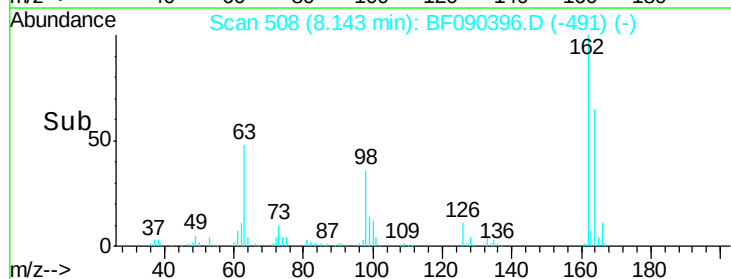
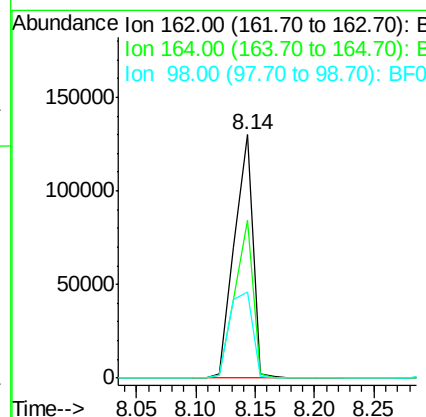
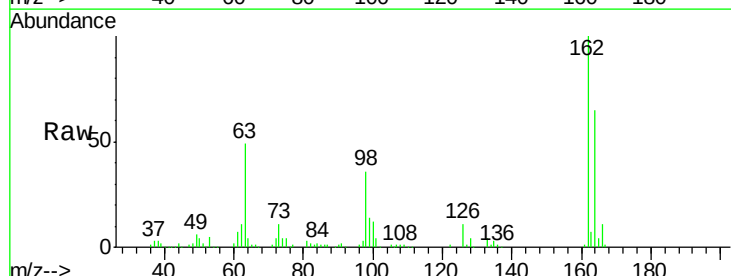
Manual Integrations
APPROVED

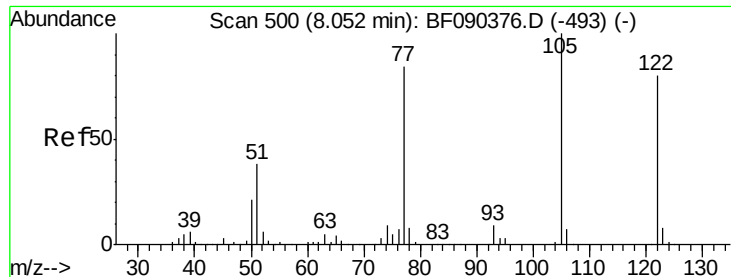
SOHIL
10/6/2016 5:27:38 PM



#29
2,4-Dichlorophenol
Concen: 10.91 ng
RT: 8.14 min Scan# 508
Delta R.T. -0.00 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.7	45.7	85.7
98	35.6	13.3	53.3





#32

Benzoic acid

Concen: 21.26 ng

RT: 8.03 min Scan# 498

Delta R.T. -0.02 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Instrument :

BNA_F

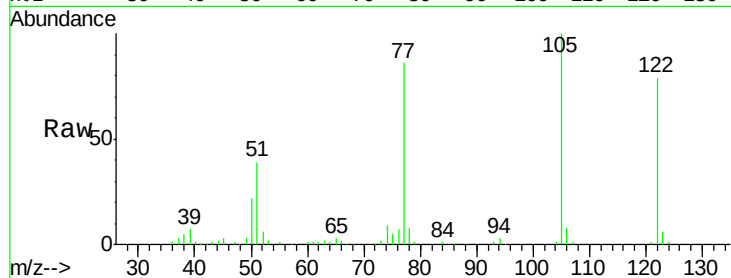
ClientSampleId :

PT-ACIDS-WP

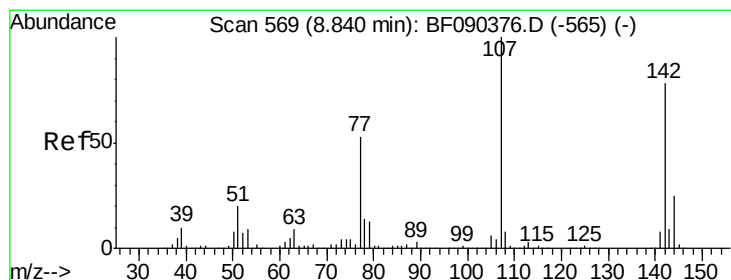
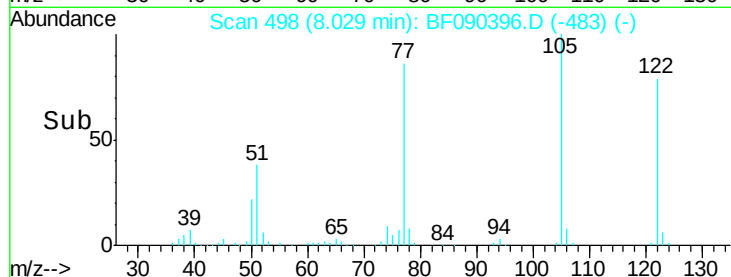
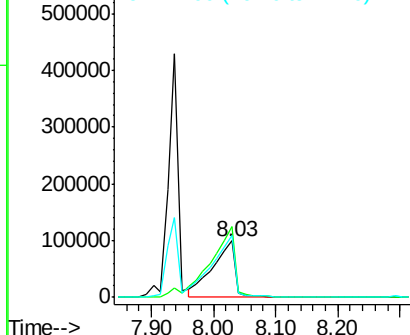
Tot Ion:	122	Resp:	252287
Ion Ratio	Lower	Upper	
122	100		
105	126.8	103.9	143.9
77	109.6	74.6	114.6

Manual Integrations
APPROVED

SOHIL
10/6/2016 5:27:38 PM



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): E



#36

4-Chloro-3-methylphenol

Concen: 15.04 ng

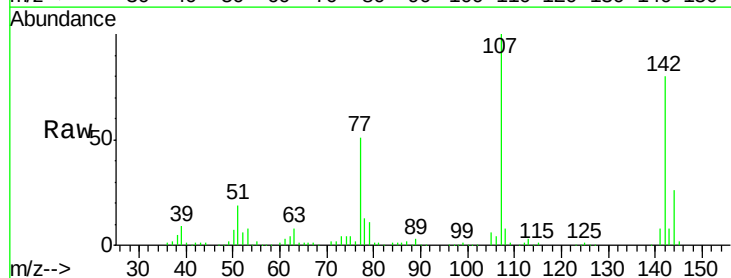
RT: 8.83 min Scan# 568

Delta R.T. -0.01 min

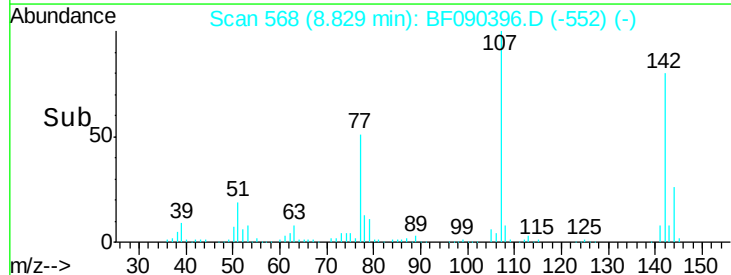
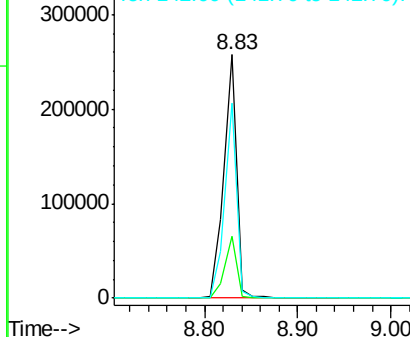
Lab File: BF090396.D

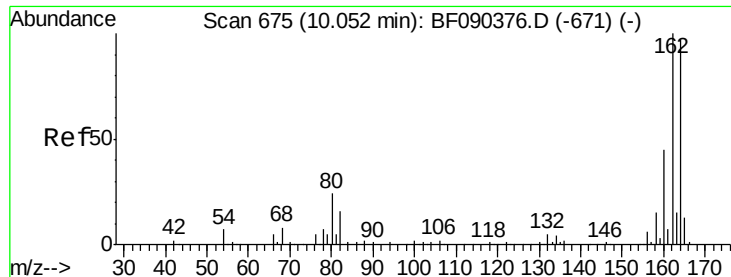
Acq: 5 Oct 2016 22:51

Tgt Ion:	107	Resp:	244291
Ion Ratio	Lower	Upper	
107	100		
144	25.6	19.8	29.8
142	80.0	60.7	91.1



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.05 min Scan# 675

Delta R.T. -0.00 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Instrument :

BNA_F

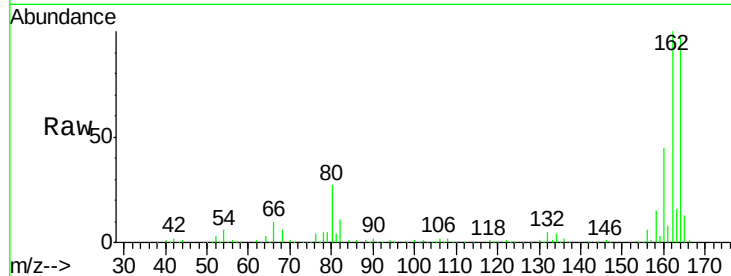
ClientSampleId :

PT-ACIDS-WP

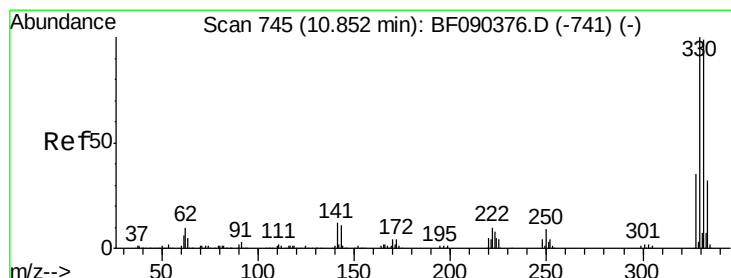
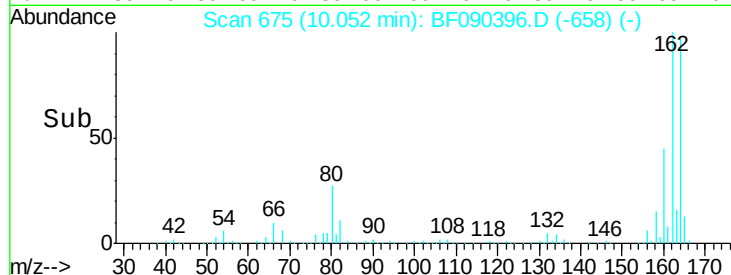
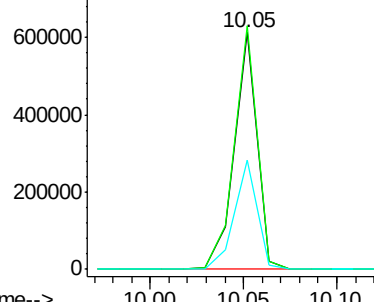
Tot Ion:	164	Resp:	513080
Ion Ratio	Lower	Upper	
164	100		
162	102.9	80.1	120.1
160	46.2	36.3	54.5

Manual Integrations
APPROVED

SOHIL
10/6/2016 5:27:38 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: 27.26 ng

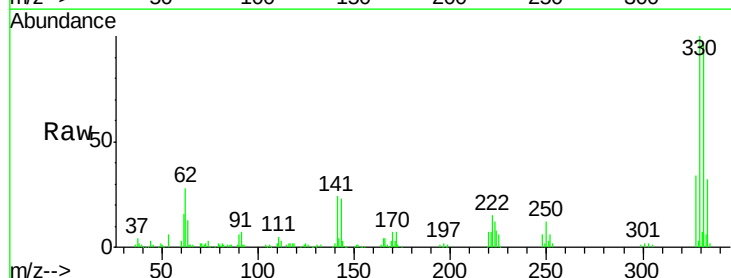
RT: 10.84 min Scan# 744

Delta R.T. -0.01 min

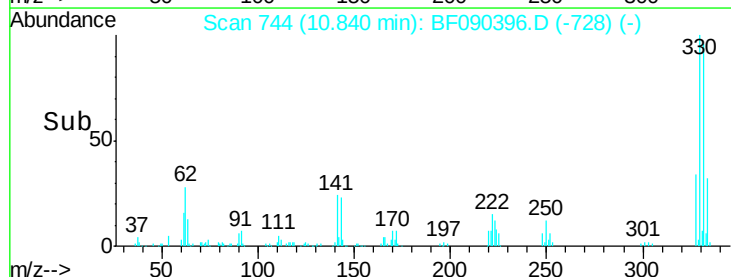
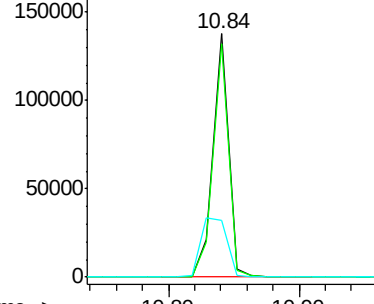
Lab File: BF090396.D

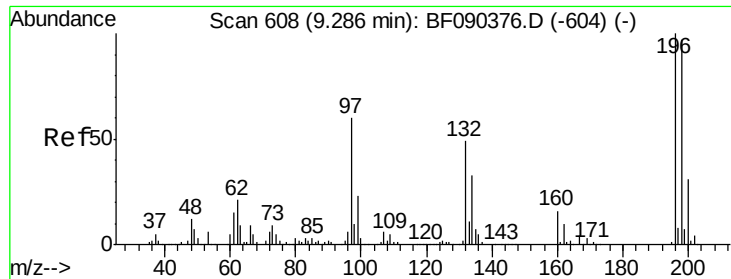
Acq: 5 Oct 2016 22:51

Tgt Ion:	330	Resp:	113739
Ion Ratio	Lower	Upper	
330	100		
332	95.5	75.4	113.0
141	40.9	26.9	40.3#



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





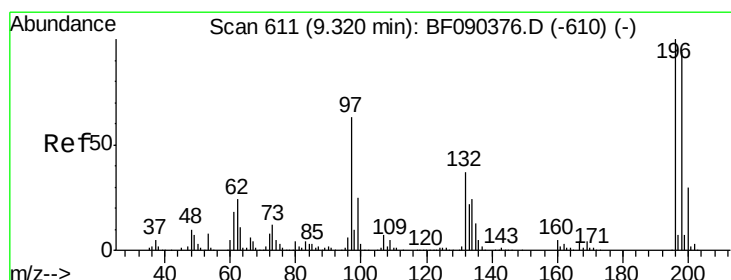
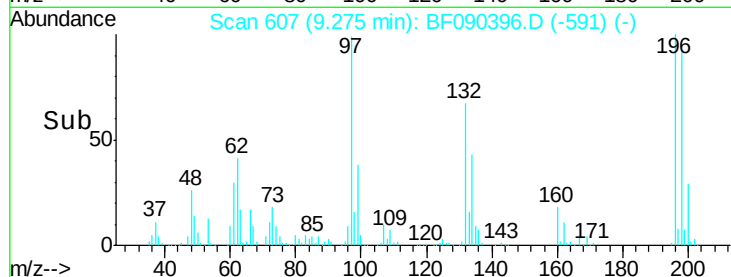
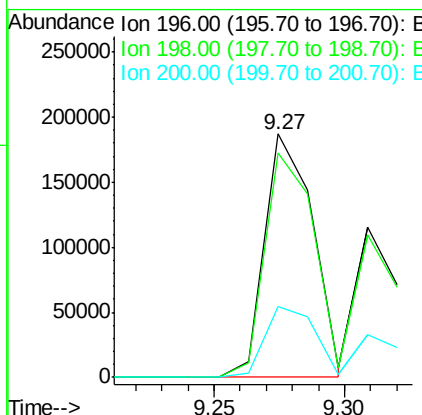
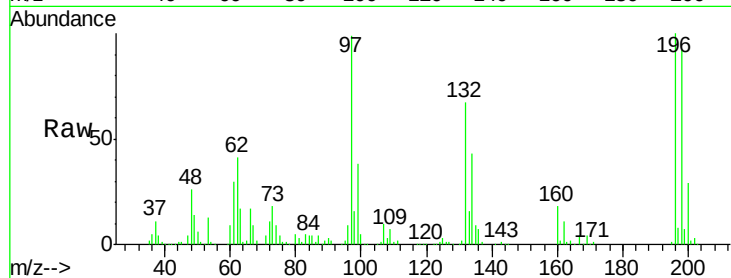
#42
 2,4,6-Trichlorophenol
 Concen: 25.71 ng
 RT: 9.27 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: BF090396.D
 Acq: 5 Oct 2016 22:51

Instrument :
 BNA_F
 ClientSampled :
 PT-ACIDS-WP

Tot Ion	Ratio	Resp	Lower	Upper
196	100	239963		
198	92.0		78.9	118.3
200	29.3		25.4	38.2

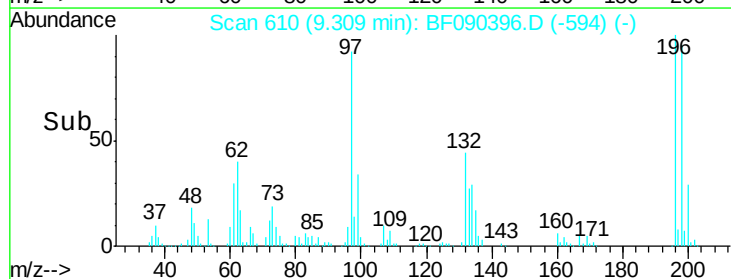
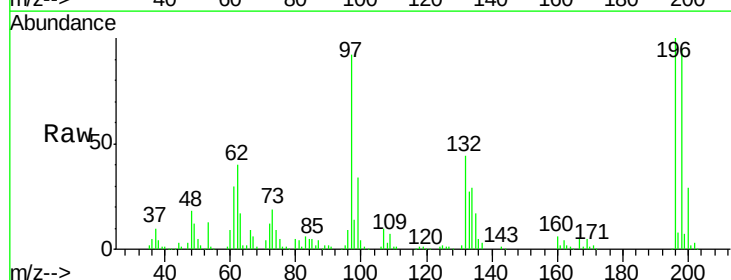
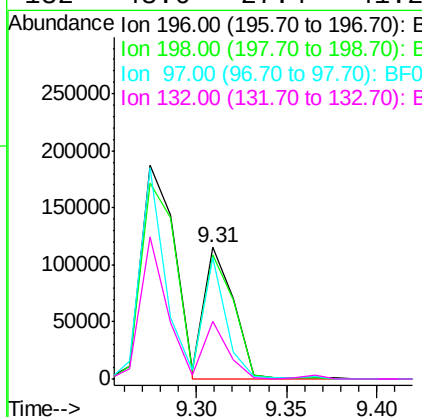
Manual Integrations
 APPROVED

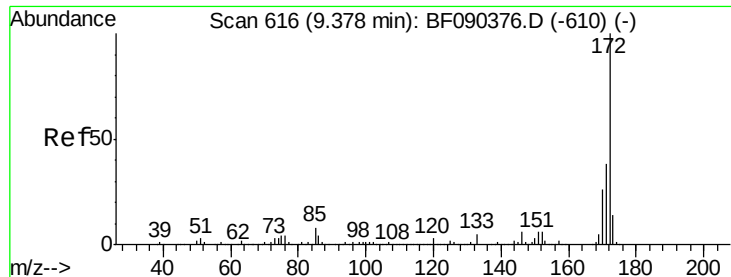
SOHIL
 10/6/2016 5:27:38 PM



#43
 2,4,5-Trichlorophenol
 Concen: 15.02 ng m
 RT: 9.31 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: BF090396.D
 Acq: 5 Oct 2016 22:51

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	132535		
198	95.0		78.1	117.1
97	92.3		48.1	72.1#
132	43.6		27.4	41.2#





#44

2-Fluorobiphenyl

Concen: 18.81 ng

RT: 9.37 min Scan# 615

Delta R.T. -0.01 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Instrument :

BNA_F

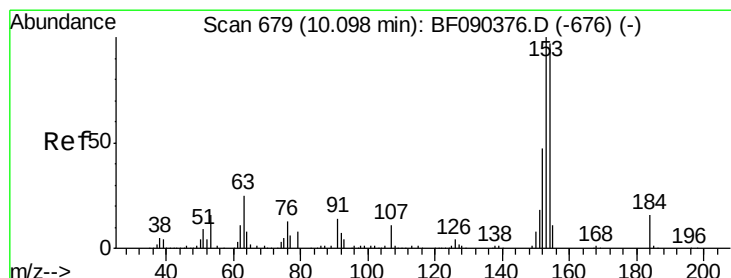
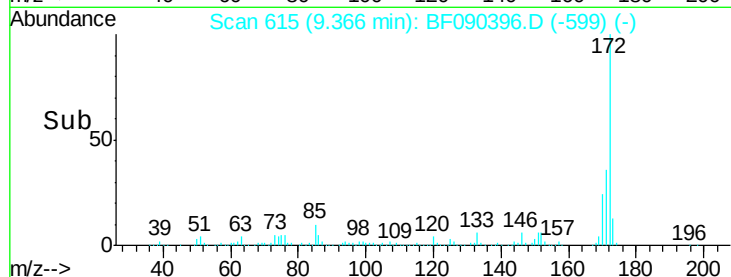
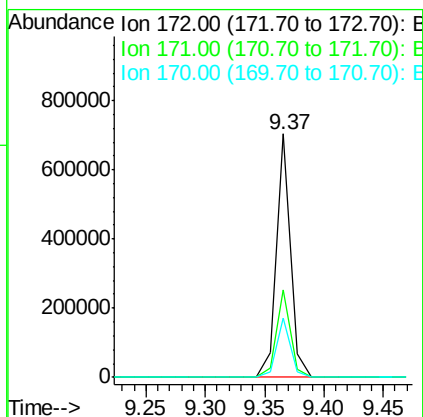
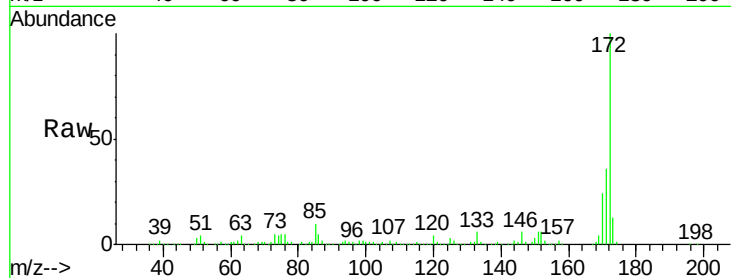
ClientSampleId :

PT-ACIDS-WP

Tot Ion:	172	Resp:	579106
Ion Ratio	Lower	Upper	
172	100		
171	35.8	31.8	47.8
170	24.2	21.7	32.5

Manual Integrations
APPROVED

SOHIL
10/6/2016 5:27:38 PM



#53

2,4-Dinitrophenol

Concen: 20.76 ng

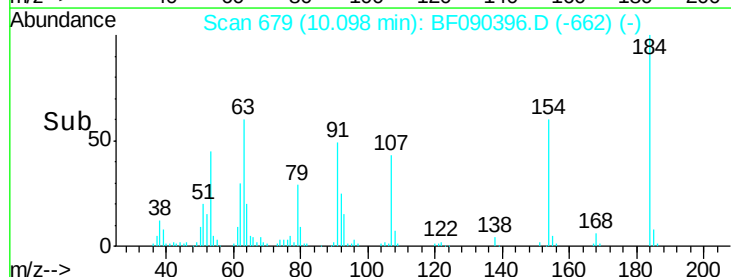
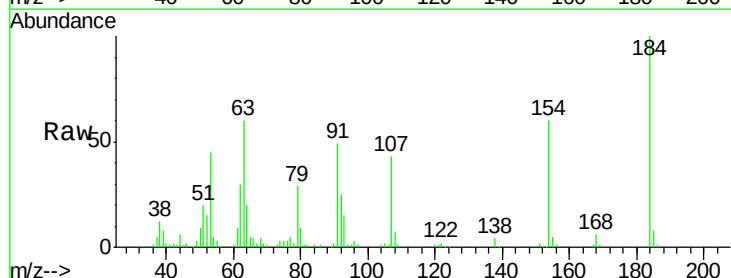
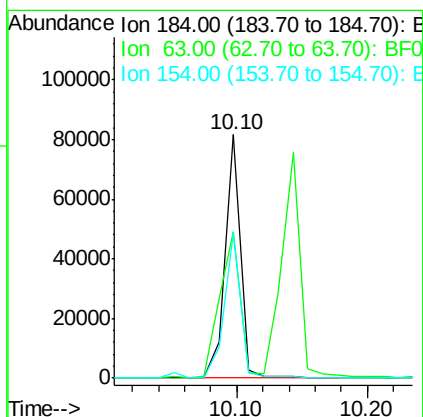
RT: 10.10 min Scan# 679

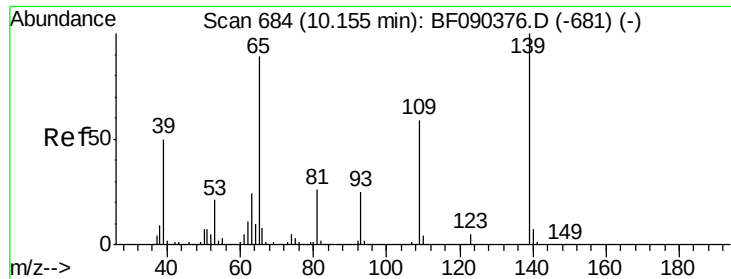
Delta R.T. -0.00 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Tgt Ion:	184	Resp:	67516
Ion Ratio	Lower	Upper	
184	100		
63	60.1	41.9	62.9
154	59.8	48.9	73.3





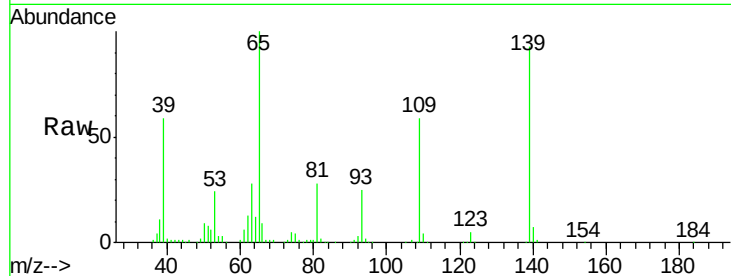
#55
4-Nitrophenol
Concen: 31.03 ng
RT: 10.14 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

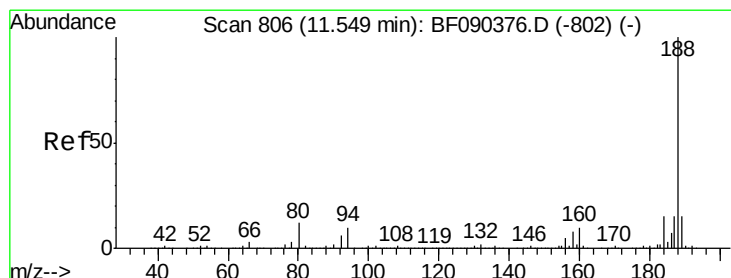
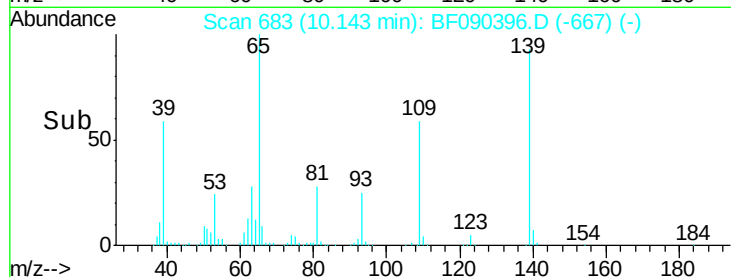
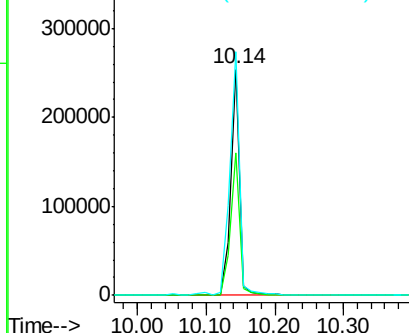
Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	63.2	43.6	83.6	
65	107.8	87.5	127.5	

Manual Integrations
APPROVED

SOHIL
10/6/2016 5:27:38 PM

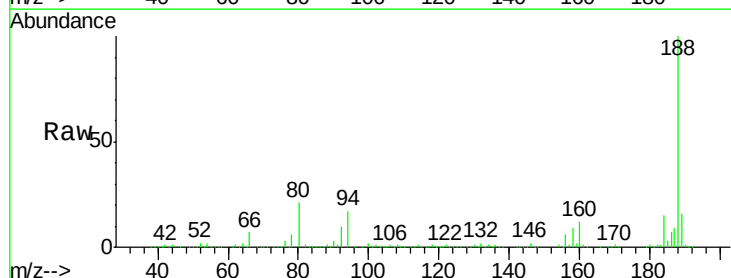


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

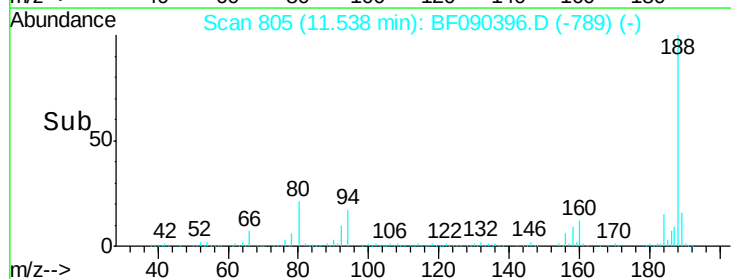
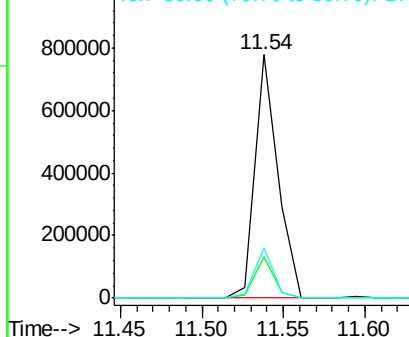


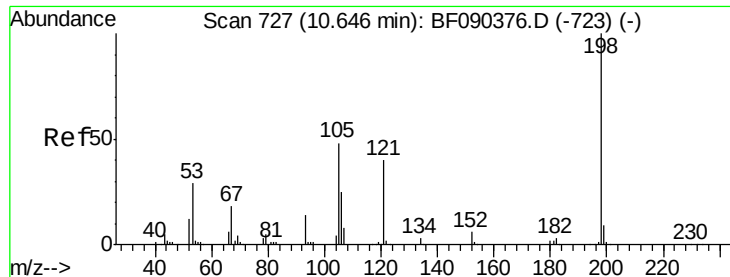
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.54 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	17.2	8.2	12.2#	
80	20.7	8.8	13.2#	



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





#64

4,6-Dinitro-2-methylphenol

Concen: 26.20 ng

RT: 10.63 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Instrument :

BNA_F

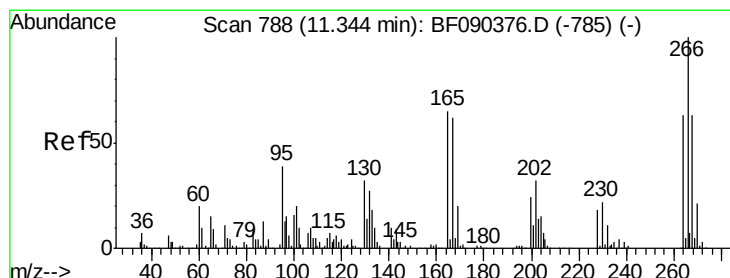
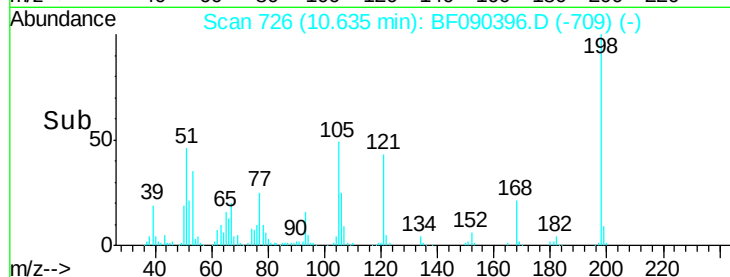
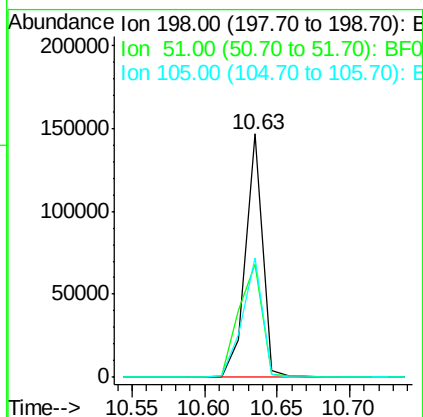
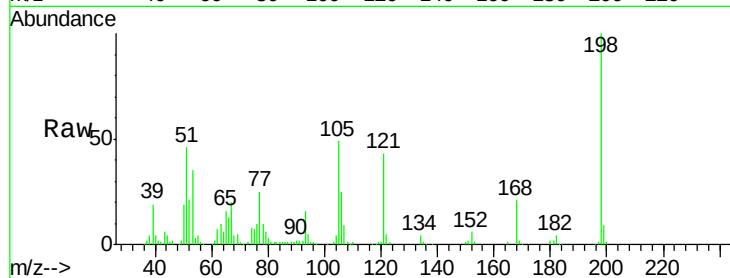
ClientSampleId :

PT-ACIDS-WP

Tot Ion:	198	Resp:	120165
Ion Ratio	Lower	Upper	
198	100		
51	46.4	67.3	107.3#
105	49.3	42.6	82.6

Manual Integrations
APPROVED

SOHIL
10/6/2016 5:27:38 PM



#69

Pentachlorophenol

Concen: 26.13 ng

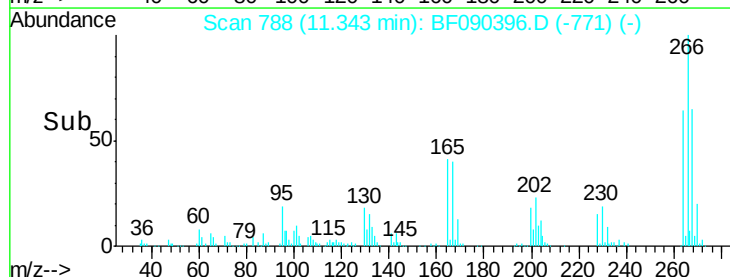
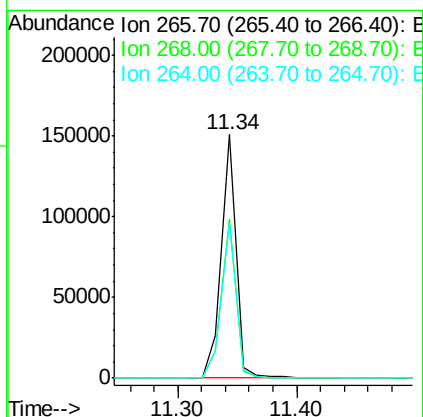
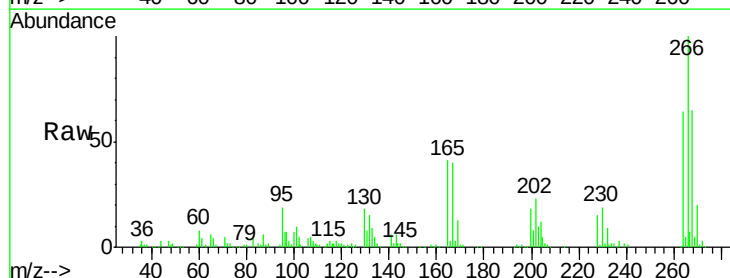
RT: 11.34 min Scan# 788

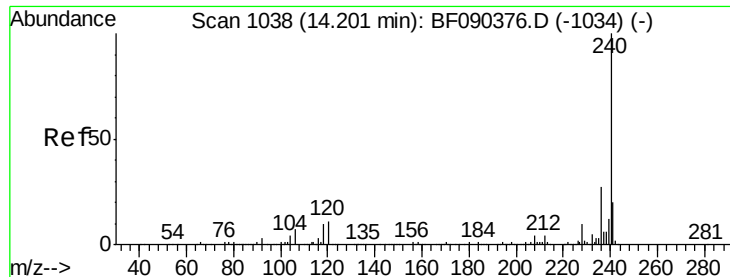
Delta R.T. -0.00 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Tgt Ion:	266	Resp:	129055
Ion Ratio	Lower	Upper	
266	100		
268	65.5	50.9	76.3
264	63.9	51.5	77.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Instrument :

BNA_F

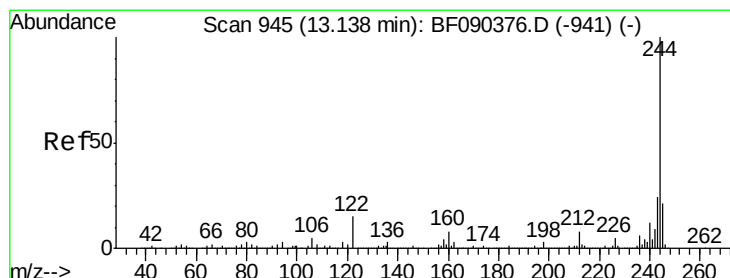
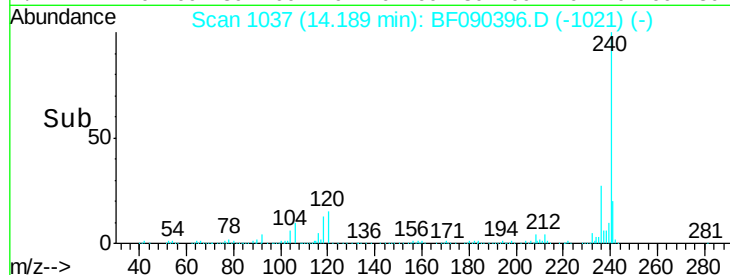
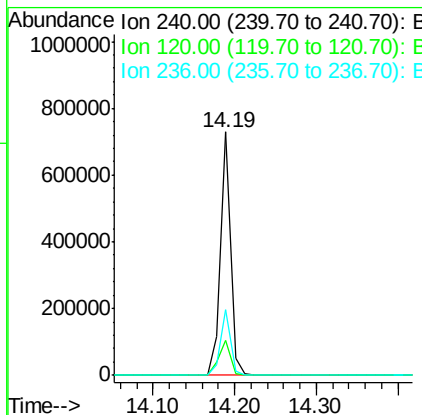
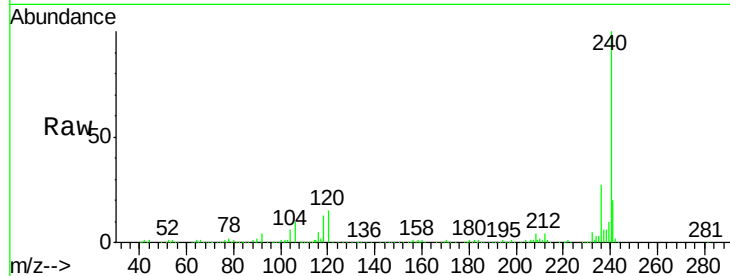
ClientSampleId :

PT-ACIDS-WP

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.6	8.6	13.0#
236	27.0	21.6	32.4

Manual Integrations
APPROVED

SOHIL
10/6/2016 5:27:38 PM



#78

Terphenyl-d14

Concen: 18.83 ng

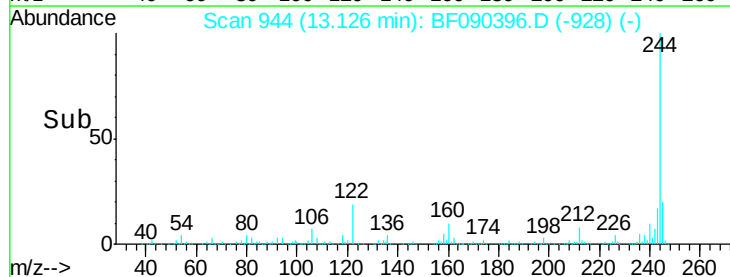
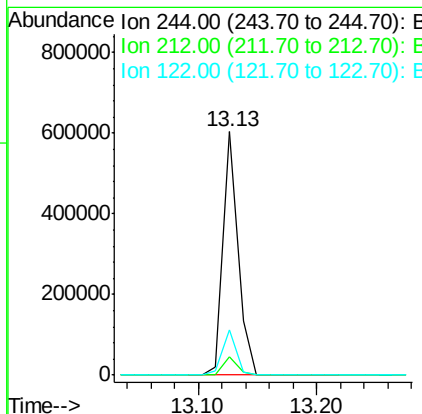
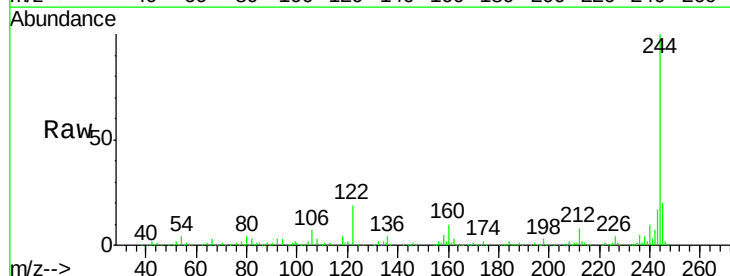
RT: 13.13 min Scan# 944

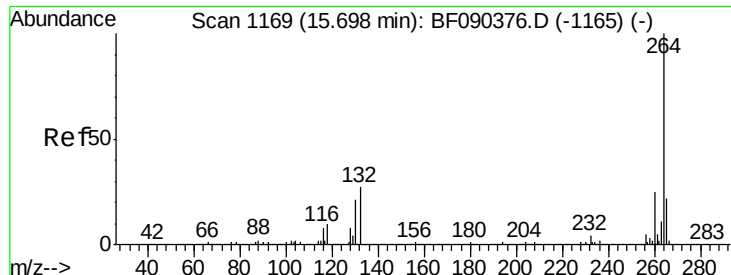
Delta R.T. -0.01 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.8	10.2
122	18.5	13.3	19.9





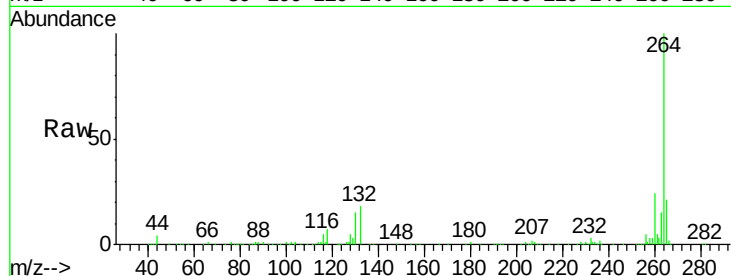
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.70 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

Tot Ion:	264	Resp:	415029
Ion Ratio		Lower	Upper
264	100		
260	24.5	19.3	28.9
265	21.3	17.4	26.0

Manual Integrations
APPROVED

SOHIL
10/6/2016 5:27:38 PM



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

