

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011317\
 Data File : BF092269.D
 Acq On : 14 Jan 2017 4:02
 Operator : UM/SJ
 Sample : I1147-03MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-01-0-2MSD

Manual Integrations
 APPROVED

Sohil

1/16/2017 8:39:28 AM

Quant Time: Jan 16 03:07:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 16 01:02:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	175564	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	796505	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	319510	20.00	ng	-0.01
63) Phenanthrene-d10	11.09	188	350857	20.00	ng	-0.01
75) Chrysene-d12	13.72	240	285761	20.00	ng	-0.01
86) Perylene-d12	15.07	264	160145	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	1530104	145.52	ng	0.01
7) Phenol-d6	6.26	99	1833165	142.80	ng	0.00
23) Nitrobenzene-d5	7.16	82	1404436	98.05	ng	0.00
41) 2,4,6-Tribromophenol	10.40	330	282212	106.73	ng	-0.01
44) 2-Fluorobiphenyl	8.95	172	1606146	106.22	ng	0.00
78) Terphenyl-d14	12.67	244	1112285	94.40	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.07	88	225224	43.51	ng	98
3) Pyridine	2.69	79	630541	34.90	ng	98
4) n-Nitrosodimethylamine	2.66	42	314581	46.16	ng	99
6) Aniline	6.24	93	524542	31.46	ng	# 55
8) 2-Chlorophenol	6.37	128	564351	47.19	ng	96
9) Benzaldehyde	6.12	77	43546	4.34	ng	95
10) Phenol	6.27	94	902229	61.68	ng	# 70
11) bis(2-Chloroethyl)ether	6.32	93	550506	47.30	ng	98
12) 1,3-Dichlorobenzene	6.52	146	592534	46.41	ng	98
13) 1,4-Dichlorobenzene	6.60	146	610668m	46.99	ng	
14) 1,2-Dichlorobenzene	6.75	146	515171	45.69	ng	99
15) Benzyl Alcohol	6.74	79	450104	45.13	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.87	45	770535	44.46	ng	# 43
17) 2-Methylphenol	6.87	107	430565	44.76	ng	# 88
18) Hexachloroethane	7.09	117	229182	47.57	ng	94
19) n-Nitroso-di-n-propylamine	7.01	70	386688	45.28	ng	99
20) 3+4-Methylphenols	7.02	107	600785	52.37	ng	# 70
22) Acetophenone	7.00	105	859561	43.75	ng	# 92
24) Nitrobenzene	7.17	77	587902	38.54	ng	99
25) Isophorone	7.41	82	1058906	40.07	ng	94
26) 2-Nitrophenol	7.49	139	300350	39.92	ng	93
27) 2,4-Dimethylphenol	7.55	122	481762	38.61	ng	99
28) bis(2-Chloroethoxy)methane	7.63	93	737958	46.05	ng	98
29) 2,4-Dichlorophenol	7.74	162	421529	39.89	ng	91
30) 1,2,4-Trichlorobenzene	7.81	180	453464	39.16	ng	95
31) Naphthalene	7.89	128	1801650	49.42	ng	99
33) 4-Chloroaniline	7.95	127	365496	22.24	ng	97
34) Hexachlorobutadiene	8.00	225	232391	38.02	ng	99
35) Caprolactam	8.32	113	132656	38.20	ng	# 64
36) 4-Chloro-3-methylphenol	8.46	107	502141	41.30	ng	89
37) 2-Methylnaphthalene	8.58	142	800829	33.04	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.75	216	348039	43.11	ng	99
40) Hexachlorocyclopentadiene	8.74	237	47114	16.43	ng	98
42) 2,4,6-Trichlorophenol	8.87	196	257126	45.55	ng	99

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011317\
 Data File : BF092269.D
 Acq On : 14 Jan 2017 4:02
 Operator : UM/SJ
 Sample : I1147-03MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-01-0-2MSD

Manual Integrations
 APPROVED

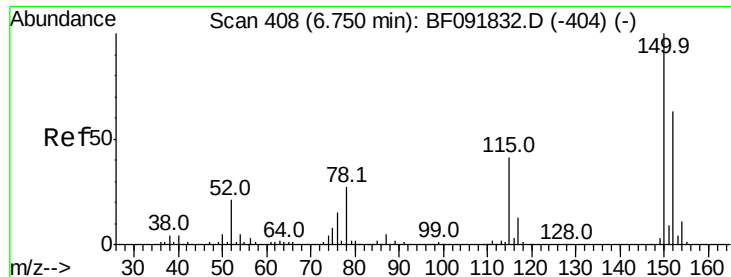
Sohil

1/16/2017 8:39:28 AM

Quant Time: Jan 16 03:07:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 16 01:02:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.92	196	242271	41.70	nq	97
45) 1,1'-Biphenyl	9.04	154	912739	41.72	nq	98
46) 2-Chloronaphthalene	9.07	162	706250	40.76	nq	98
47) 2-Nitroaniline	9.17	65	202622	32.85	nq	96
48) Acenaphthylene	9.48	152	1028467	38.60	nq	98
49) Dimethylphthalate	9.35	163	1147082	56.13	nq	98
50) 2,6-Dinitrotoluene	9.42	165	203379	45.47	nq	99
51) Acenaphthene	9.65	154	830196	45.96	nq	99
52) 3-Nitroaniline	9.58	138	170624	30.82	nq	97
53) 2,4-Dinitrophenol	9.71	184	17241	6.93	nq	# 71
54) Dibenzofuran	9.82	168	1060058	43.45	nq	96
55) 4-Nitrophenol	9.79	139	234107m	62.29	nq	
56) 2,4-Dinitrotoluene	9.82	165	221733	39.50	nq	# 79
57) Fluorene	10.16	166	712688	40.16	nq	100
58) 2,3,4,6-Tetrachlorophenol	9.95	232	170164	37.03	nq	98
59) Diethylphthalate	10.05	149	726643	36.61	nq	99
60) 4-Chlorophenyl-phenylether	10.15	204	283108	36.43	nq	95
61) 4-Nitroaniline	10.20	138	206632	36.02	nq	95
62) Azobenzene	10.31	77	790576	36.18	nq	99
64) 4,6-Dinitro-2-methylphenol	10.23	198	40756	19.21	nq	78
65) n-Nitrosodiphenylamine	10.28	169	644814	61.94	nq	100
66) 4-Bromophenyl-phenylether	10.64	248	192568	52.76	nq	# 86
67) Hexachlorobenzene	10.71	284	206920	53.04	nq	# 85
68) Atrazine	10.82	200	177625	52.89	nq	97
69) Pentachlorophenol	10.91	266	175953	91.92	nq	98
70) Phenanthrene	11.11	178	1048110	55.09	nq	98
71) Anthracene	11.17	178	1056037	Below	Cal	97
72) Carbazole	11.33	167	853105	Below	Cal	98
73) Di-n-butylphthalate	11.67	149	1278682	73.53	nq	# 96
74) Fluoranthene	12.30	202	1460567	91.45	nq	91
76) Benzidine	12.43	184	232552	29.26	nq	96
77) Pyrene	12.52	202	1372946	65.48	nq	99
79) Butylbenzylphthalate	13.16	149	488927	51.27	nq	# 77
80) Benzo(a)anthracene	13.71	228	1035329	64.19	nq	99
81) 3,3'-Dichlorobenzidine	13.67	252	249733	40.83	nq	98
82) Chrysene	13.74	228	727158	44.94	nq	98
83) Bis(2-ethylhexyl)phthalate	13.72	149	582576	51.88	nq	# 99
84) Di-n-octyl phthalate	14.33	149	1117255	53.71	nq	97
85) Indeno(1,2,3-cd)pyrene	16.31	276	413027	29.47	nq	# 94
87) Benzo(b)fluoranthene	14.71	252	643046m	64.49	nq	
88) Benzo(k)fluoranthene	14.74	252	424649m	49.95	nq	
89) Benzo(a)pyrene	15.02	252	487691	55.11	nq	98
90) Dibenzo(a,h)anthracene	16.33	278	330597	45.45	nq	# 91
91) Benzo(g,h,i)perylene	16.68	276	334394	44.21	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleId :

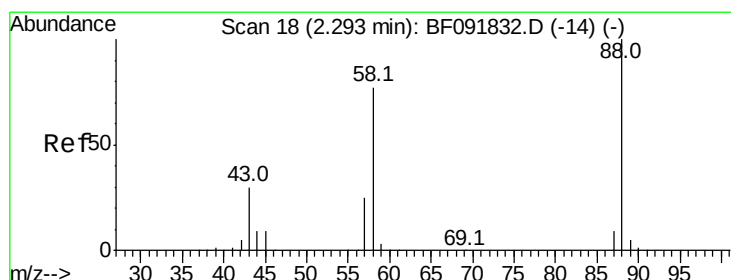
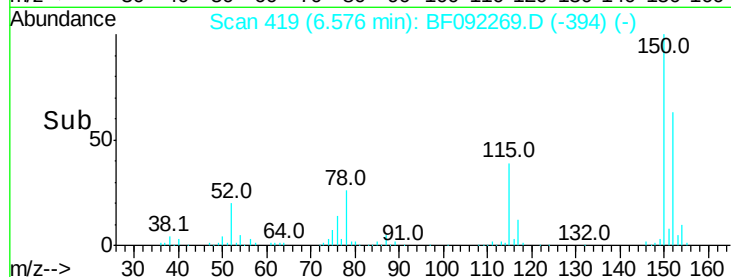
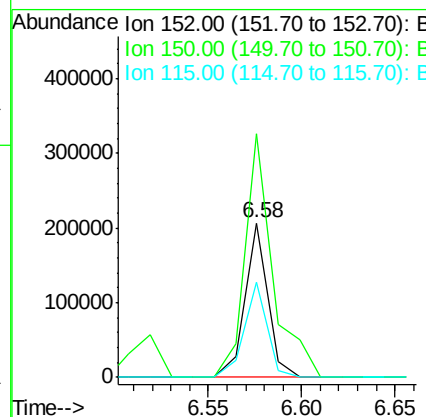
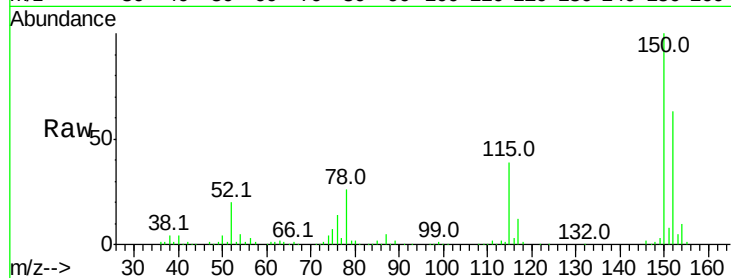
TOD-SB-01-0-2MSD

Tot Ion:	152	Resp:	175564
Ion Ratio	Lower	Upper	
152	100		
150	157.5	124.9	187.3
115	61.8	46.0	69.0

Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM



#2

1,4-Dioxane

Concen: 43.51 ng

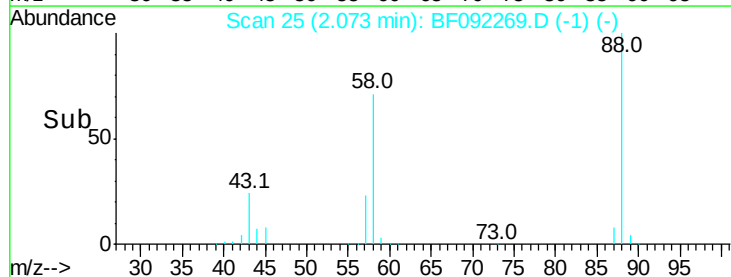
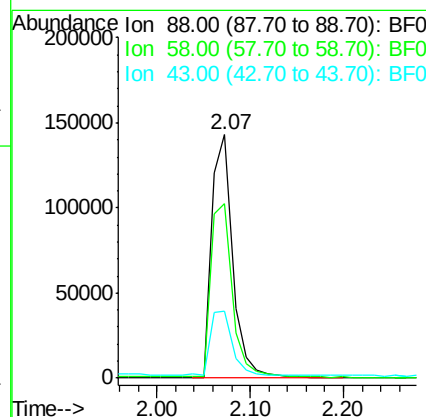
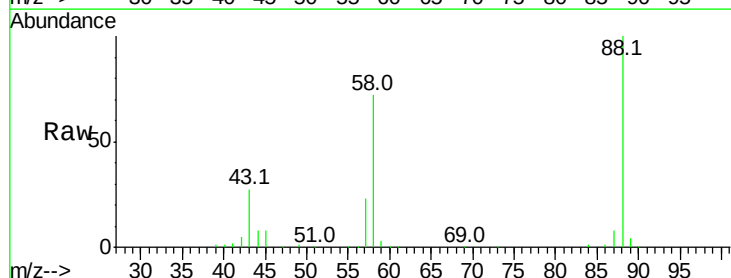
RT: 2.07 min Scan# 25

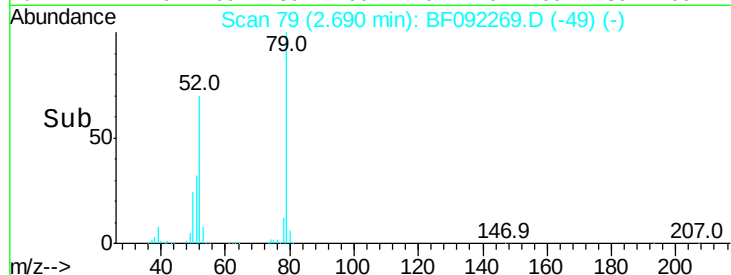
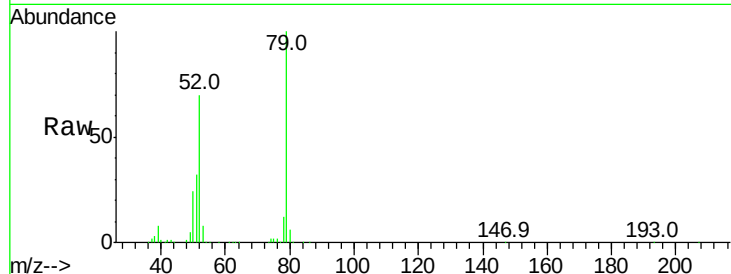
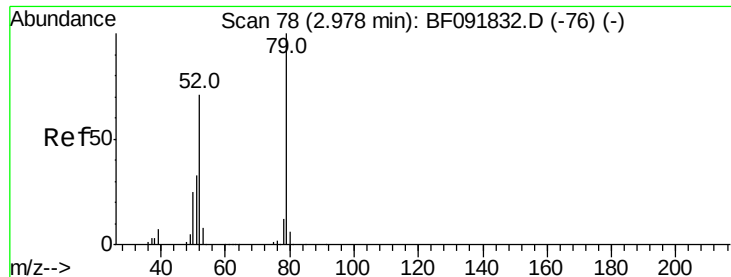
Delta R.T. 0.06 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Tgt Ion:	88	Resp:	225224
Ion Ratio	Lower	Upper	
88	100		
58	74.0	57.8	86.8
43	28.5	22.3	33.5





#3

Pvridine

Concen: 34.90 ng

RT: 2.69 min Scan# 79

Delta R.T. 0.05 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

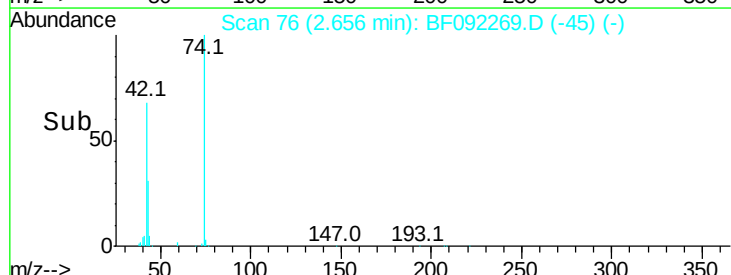
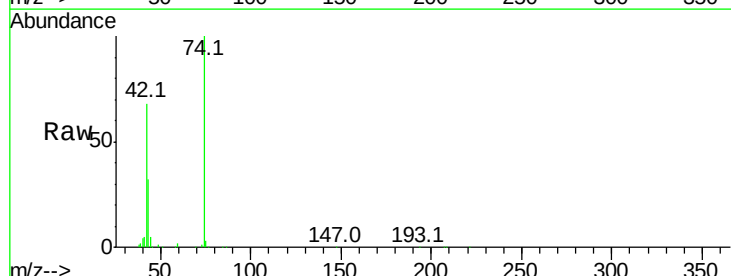
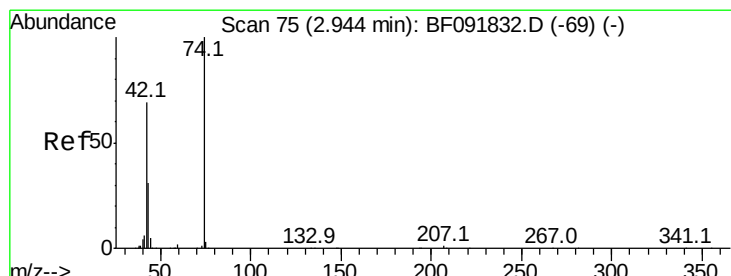
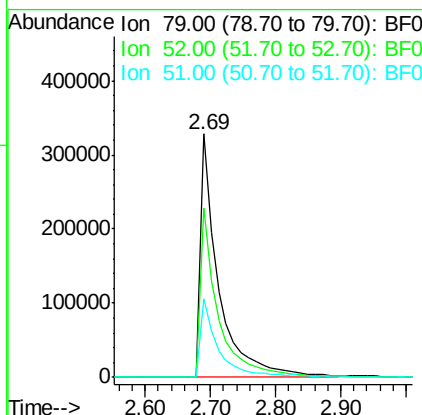
Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		630541		
52	69.6	57.1	85.7		
51	32.4	27.3	40.9		

Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM



#4

n-Nitrosodimethylamine

Concen: 46.16 ng

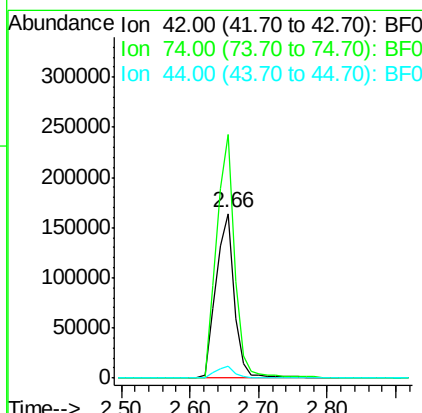
RT: 2.66 min Scan# 76

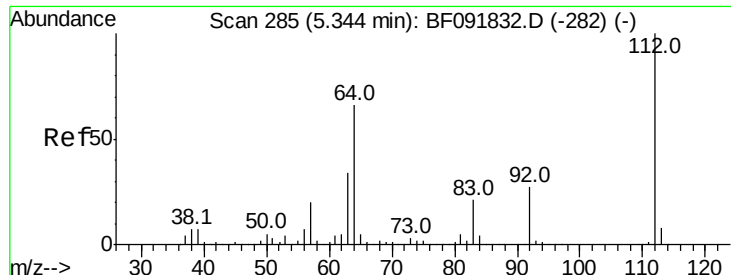
Delta R.T. 0.06 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		314581		
74	147.7	117.0	175.4		
44	7.2	5.5	8.3		





#5

2-Fluorophenol

Concen: 145.52 ng

RT: 5.18 min Scan# 297

Delta R.T. 0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2MSD

Tot Ion:112 Resp: 1530104

Ion Ratio Lower Upper

112 100

64 61.1 46.1 69.1

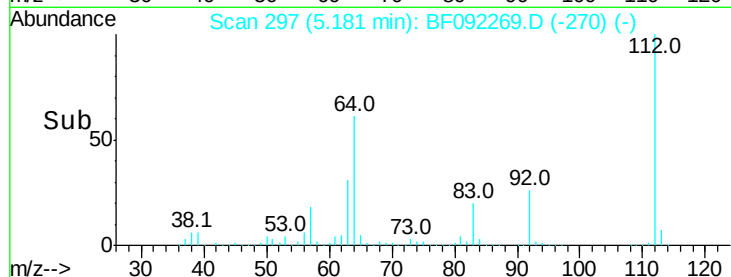
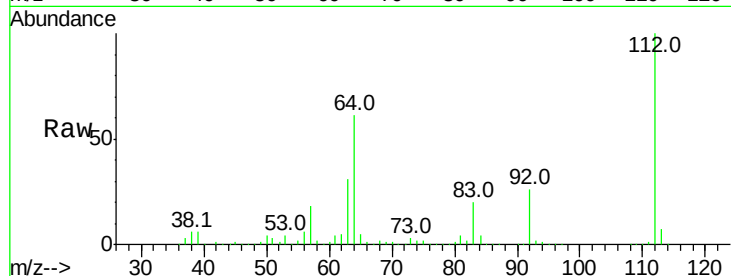
63 31.1 23.8 35.6

Manual Integrations

APPROVED

Sohil

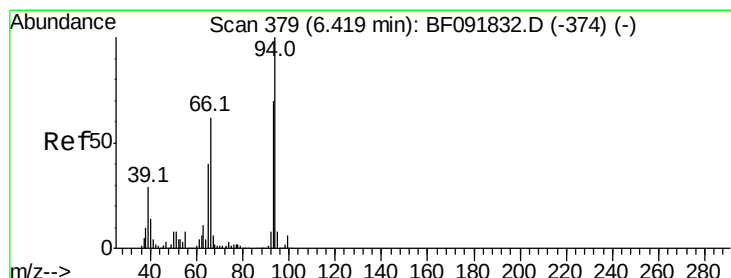
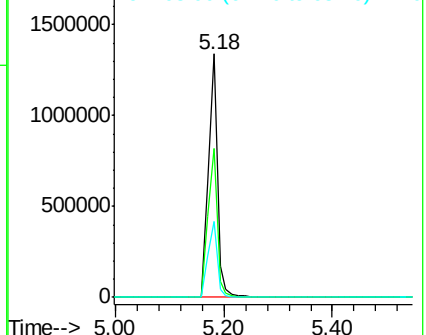
1/16/2017 8:39:28 AM



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 31.46 ng

RT: 6.24 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

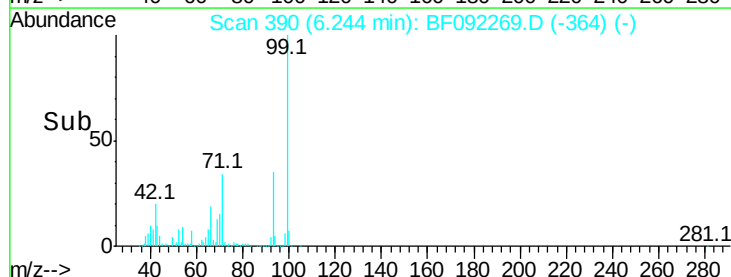
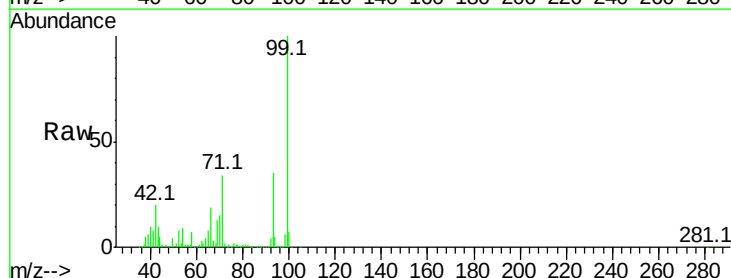
Tgt Ion: 93 Resp: 524542

Ion Ratio Lower Upper

93 100

66 53.9 76.2 114.2#

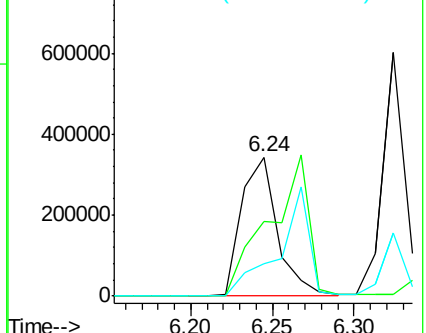
65 23.7 49.3 73.9#

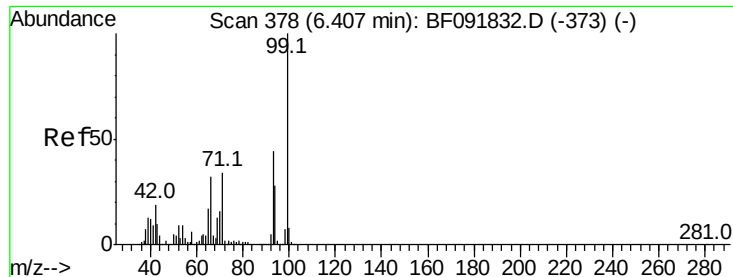


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 142.80 ng

RT: 6.26 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2MSD

Tot Ion: 99 Resp: 1833165

Ion Ratio Lower Upper

99 100

42 18.5 15.6 23.4

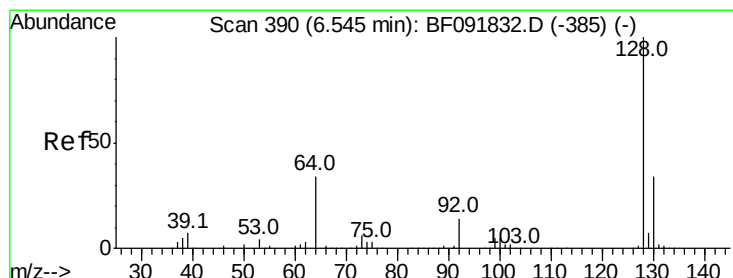
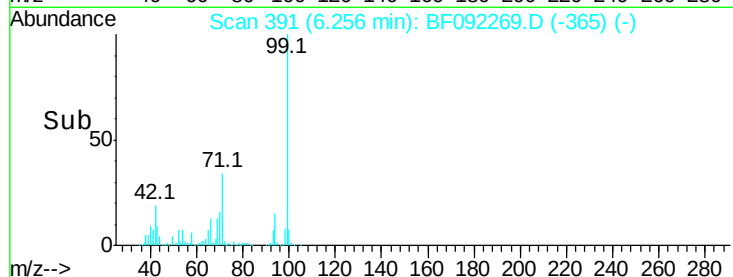
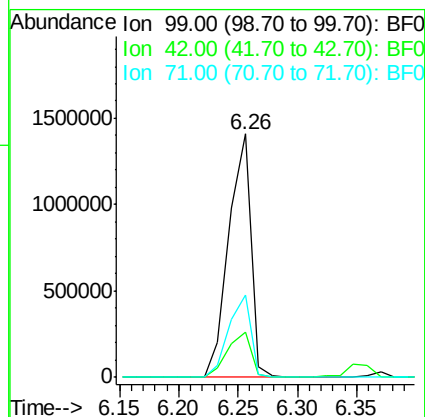
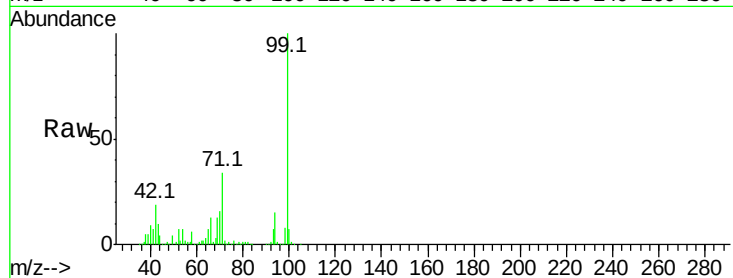
71 33.7 27.5 41.3

Manual Integrations

APPROVED

Sohil

1/16/2017 8:39:28 AM



#8

2-Chlorophenol

Concen: 47.19 ng

RT: 6.37 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

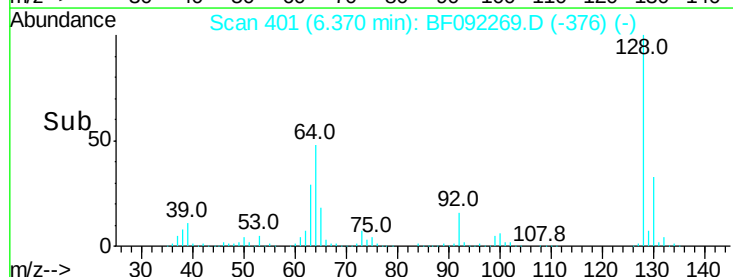
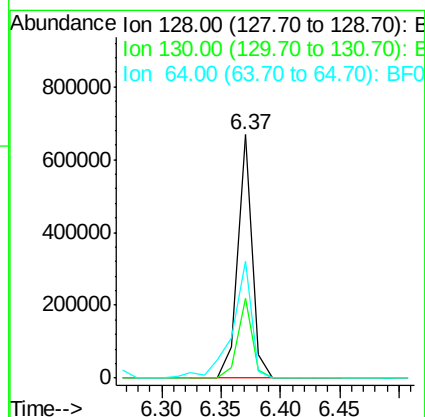
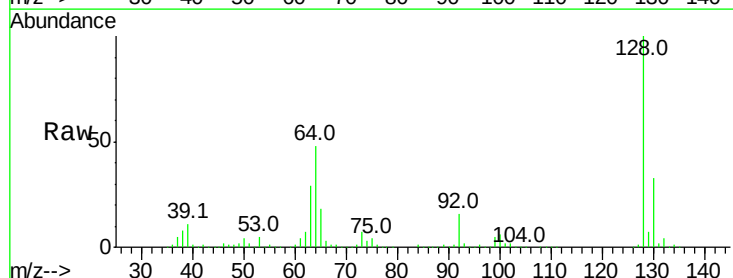
Tgt Ion: 128 Resp: 564351

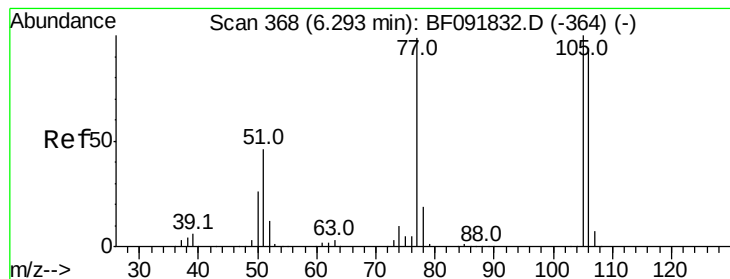
Ion Ratio Lower Upper

128 100

130 33.0 12.3 52.3

64 47.8 32.2 72.2





#9

Benzaldehyde

Concen: 4.34 ng

RT: 6.12 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleID :

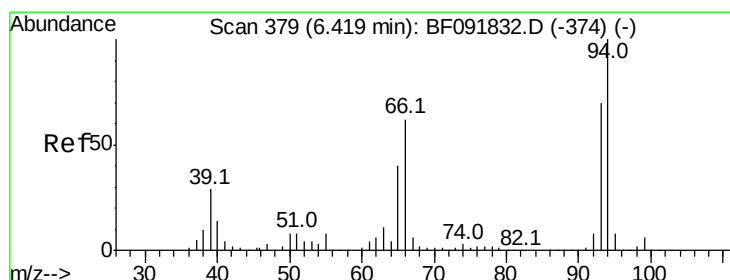
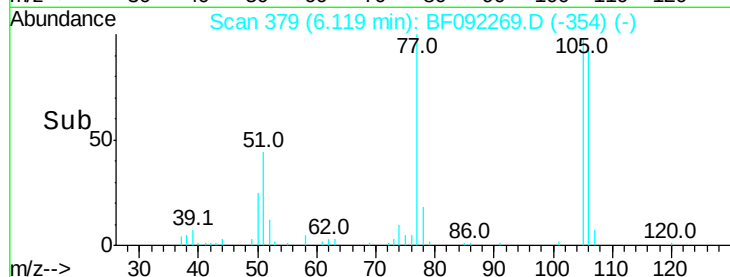
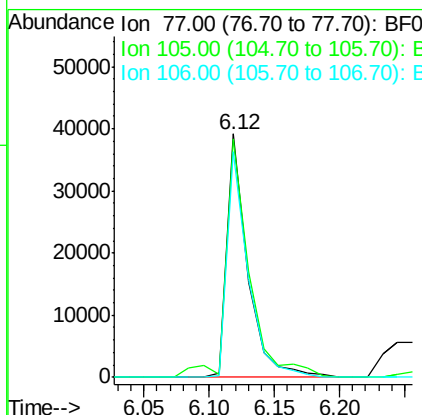
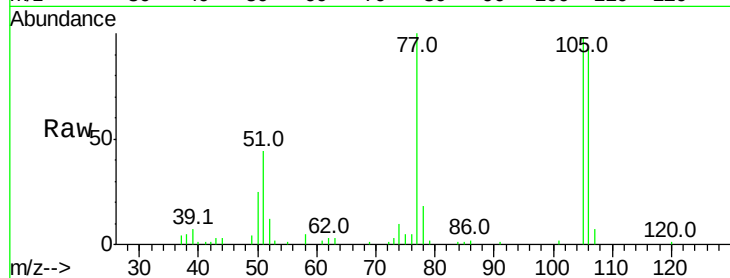
TOD-SB-01-0-2MSD

Tot Ion:	77	Resp:	43546
Ion	Ratio	Lower	Upper
77	100		
105	97.9	83.9	123.9
106	92.7	77.6	117.6

Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM



#10

Phenol

Concen: 61.68 ng

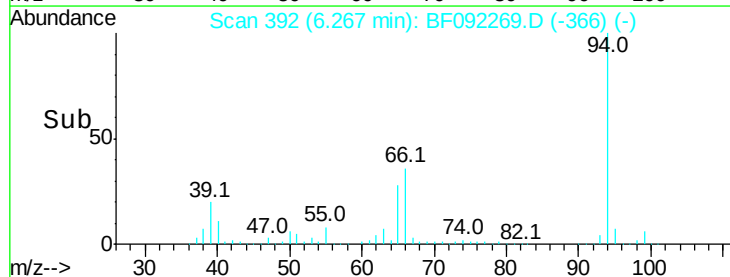
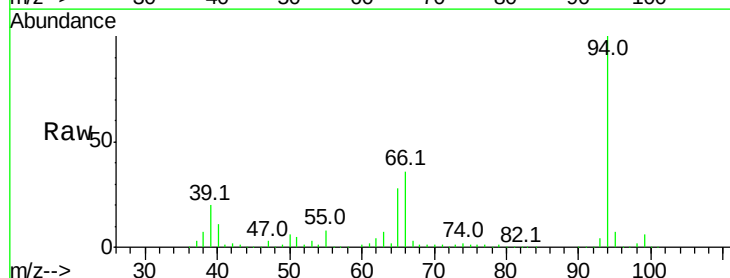
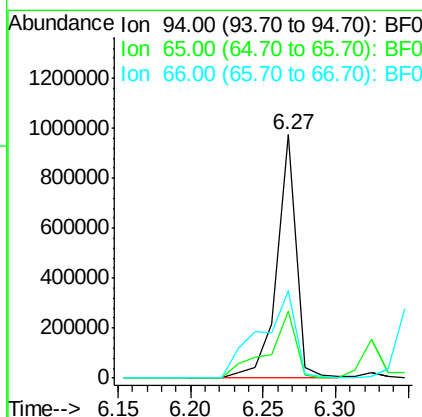
RT: 6.27 min Scan# 392

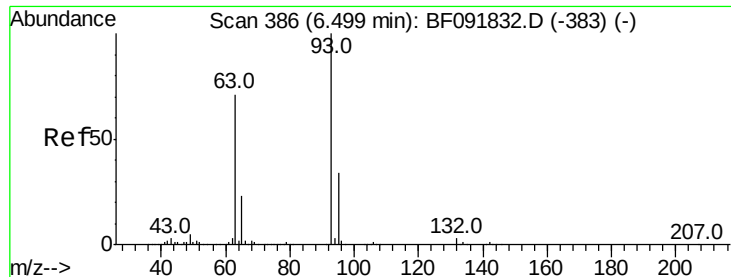
Delta R.T. 0.00 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Tgt Ion:	94	Resp:	902229
Ion	Ratio	Lower	Upper
94	100		
65	27.7	21.4	61.4
66	35.9	44.0	84.0#





#11
bis(2-Chloroethyl)ether
Concen: 47.30 ng
RT: 6.32 min Scan# 397
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

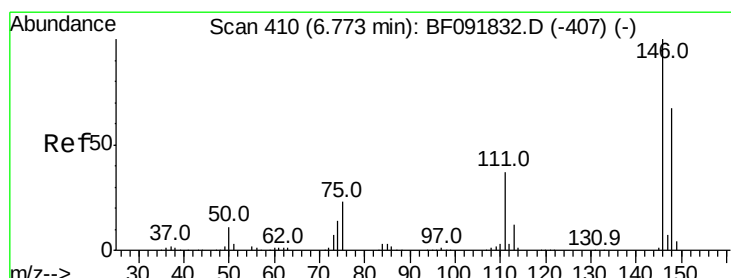
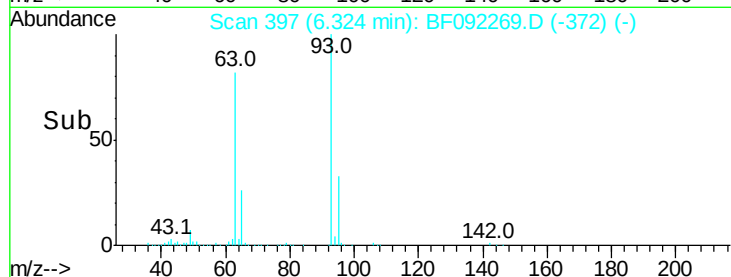
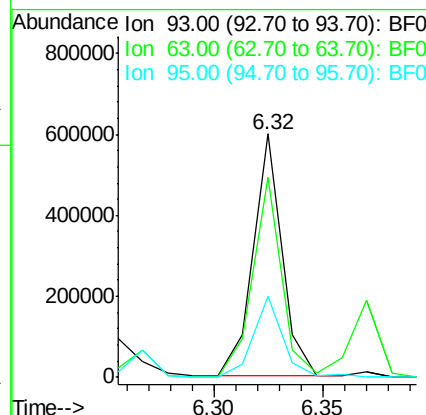
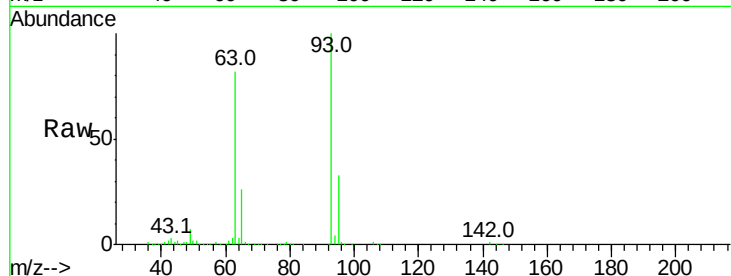
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	550506		
63	82.2	60.4	100.4	
95	33.2	12.8	52.8	

Manual Integrations
APPROVED

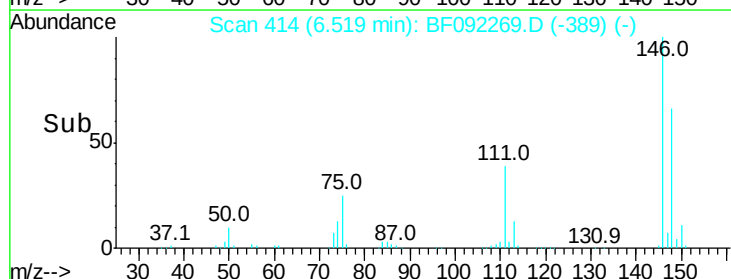
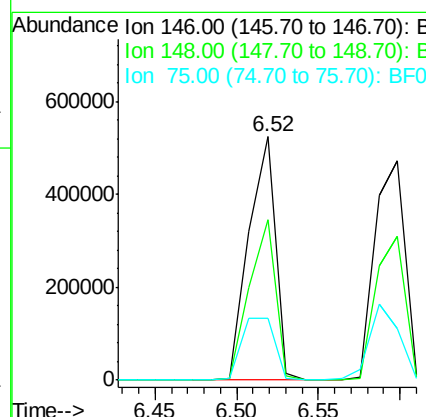
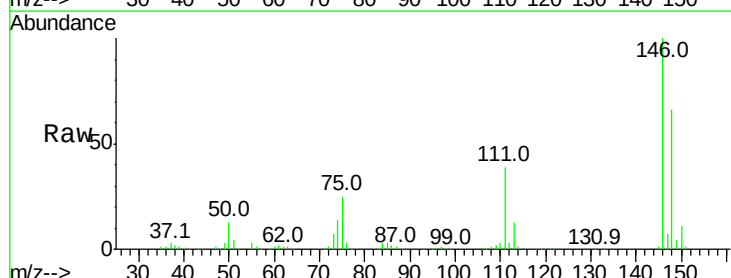
Sohil

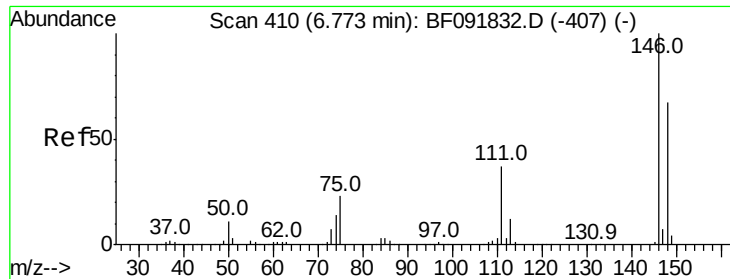
1/16/2017 8:39:28 AM



#12
1,3-Dichlorobenzene
Concen: 46.41 ng
RT: 6.52 min Scan# 414
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	592534		
148	65.9	53.4	80.0	
75	25.3	18.5	27.7	





#13
 1,4-Dichlorobenzene
 Concen: 46.99 ng/mL
 RT: 6.60 min Scan# 421
 Delta R.T. 0.07 min
 Lab File: BF092269.D
 Acq: 14 Jan 2017 4:02

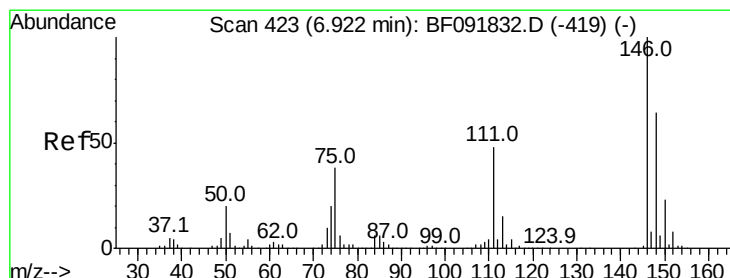
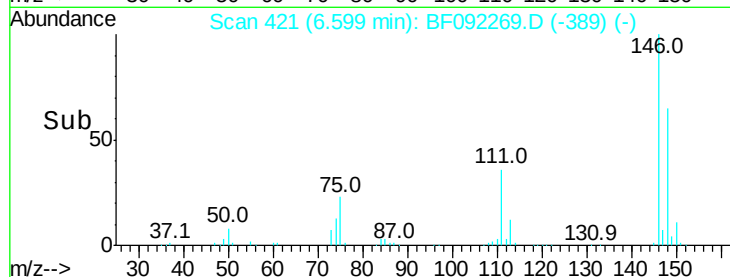
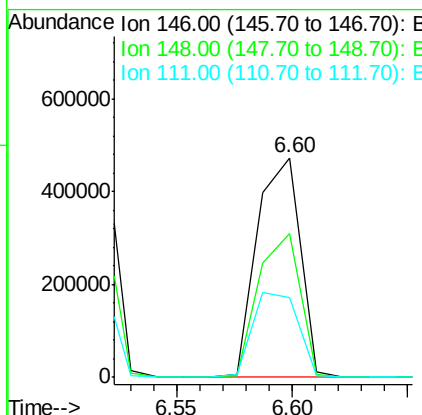
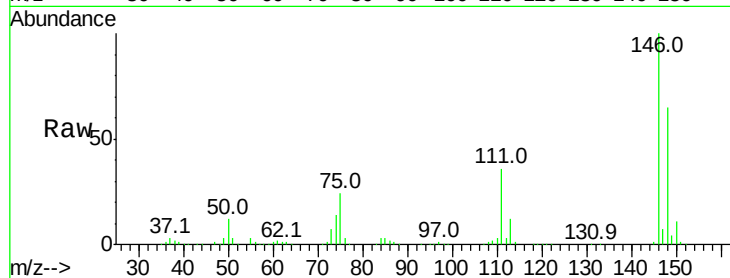
Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.3	50.6	76.0
111	36.2	36.2	54.4

Manual Integrations
 APPROVED

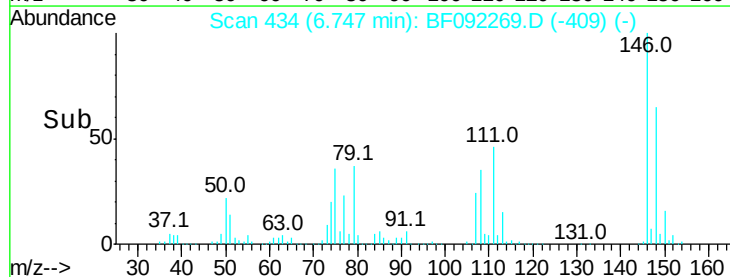
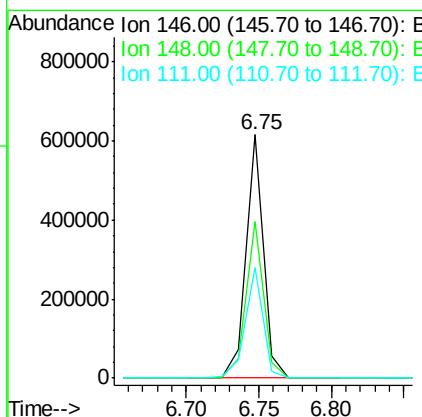
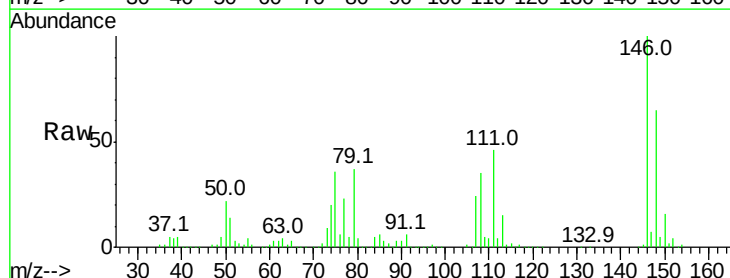
Sohil

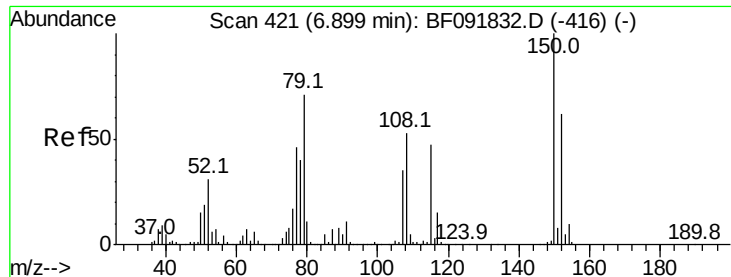
1/16/2017 8:39:28 AM



#14
 1,2-Dichlorobenzene
 Concen: 45.69 ng/mL
 RT: 6.75 min Scan# 434
 Delta R.T. -0.01 min
 Lab File: BF092269.D
 Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.2	78.2
111	45.6	36.2	54.2





#15
Benzyl Alcohol
Concen: 45.13 ng
RT: 6.74 min Scan# 433
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

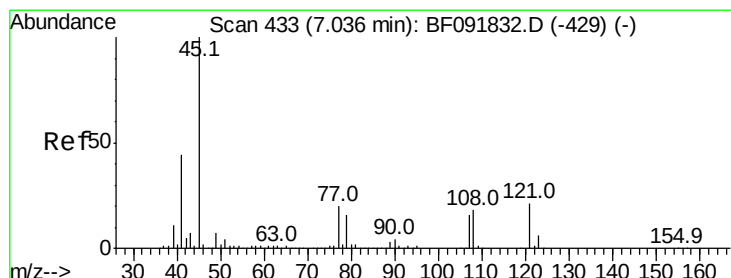
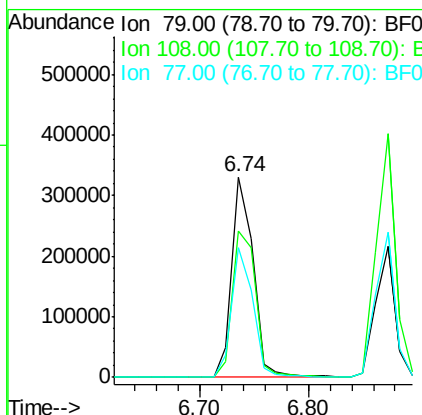
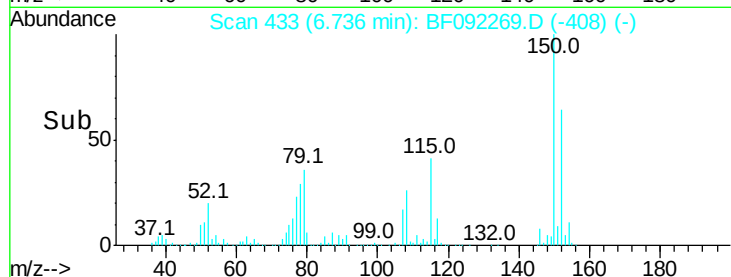
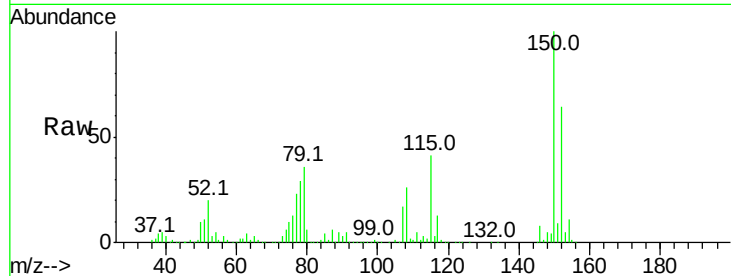
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	73.0	61.4	92.0
77	64.8	50.9	76.3

Manual Integrations
APPROVED

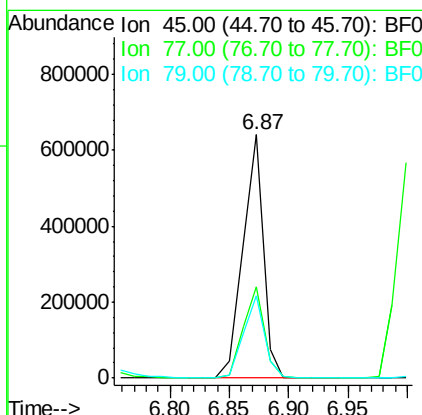
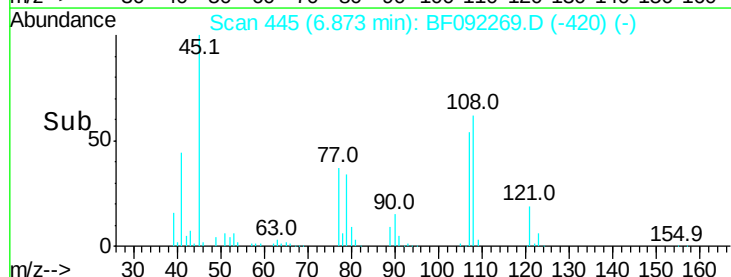
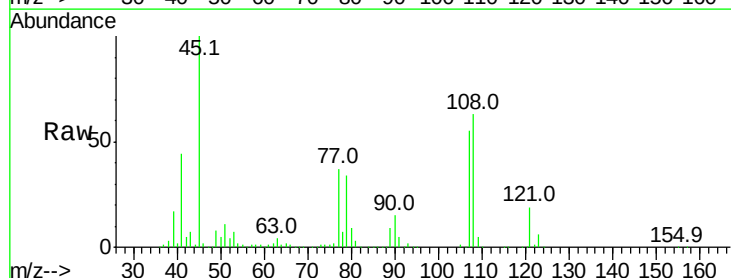
Sohil

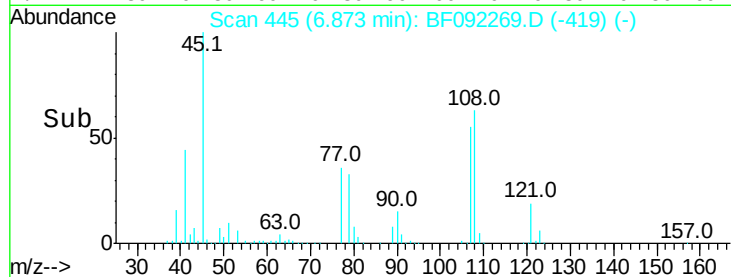
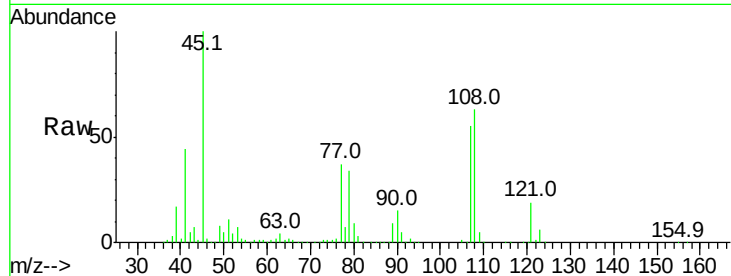
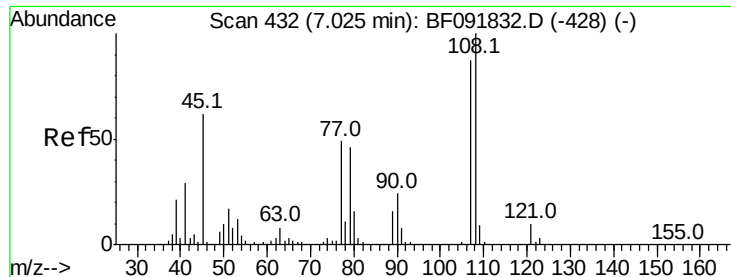
1/16/2017 8:39:28 AM



#16
2,2'-oxybis(1-chloropropane)
Concen: 44.46 ng
RT: 6.87 min Scan# 445
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
45	100		
77	37.3	0.0	34.6#
79	33.6	0.0	31.2#





#17
2-Methylphenol
Concen: 44.76 ng
RT: 6.87 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

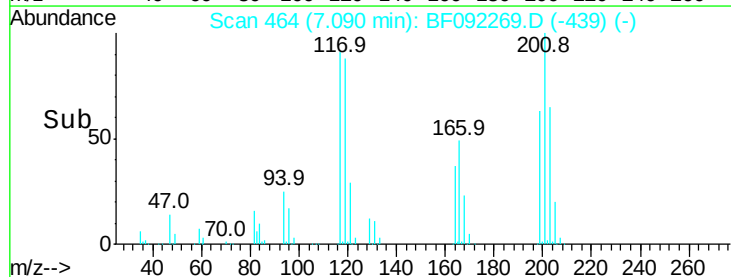
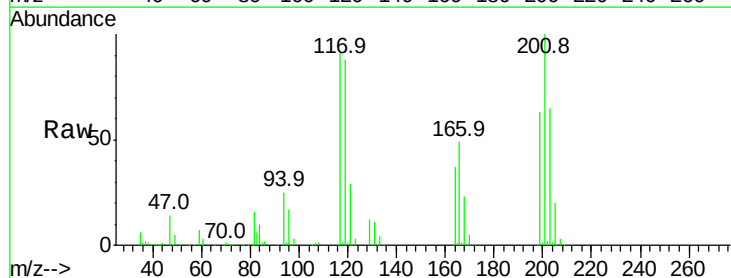
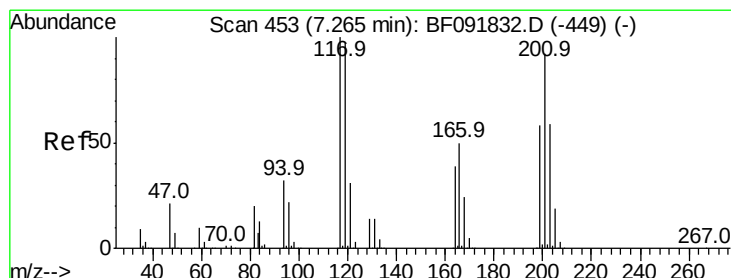
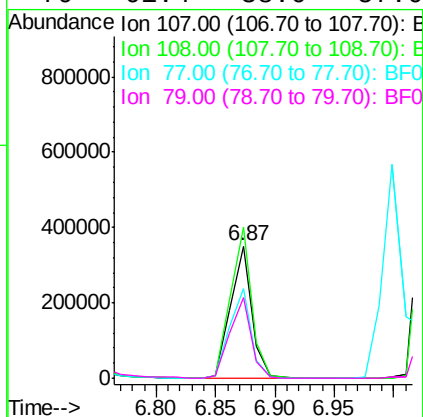
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.7	93.0	139.6	
77	68.2	39.8	59.8	
79	61.4	38.0	57.0	

Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Manual Integrations
APPROVED

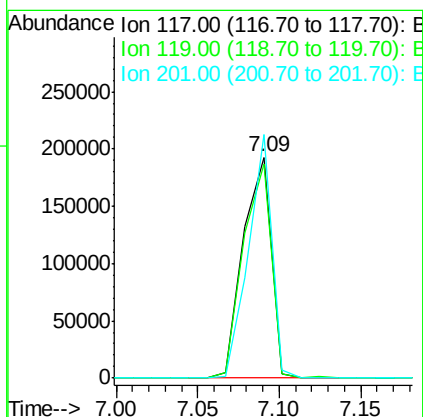
Sohil

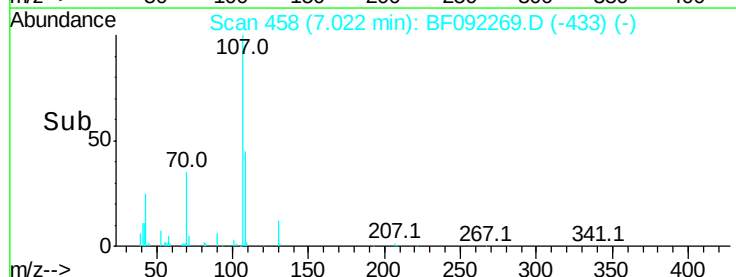
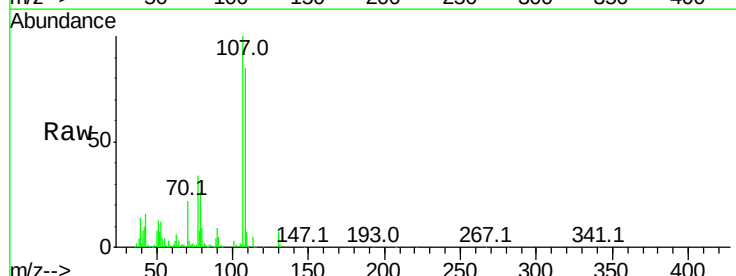
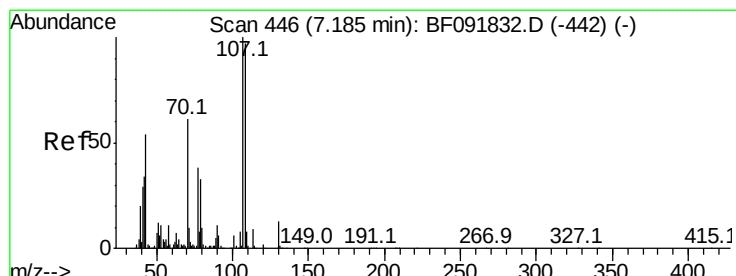
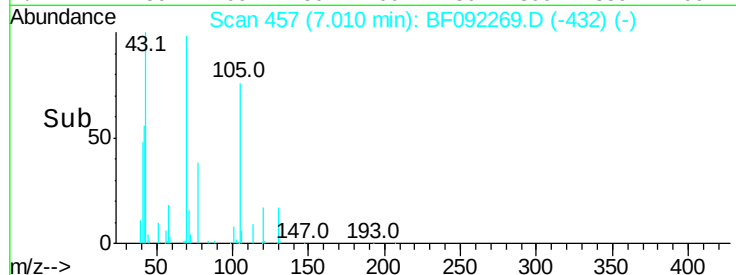
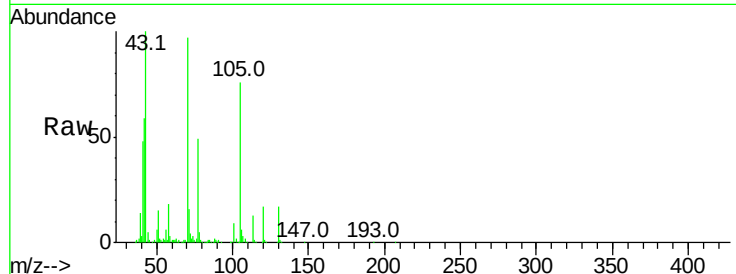
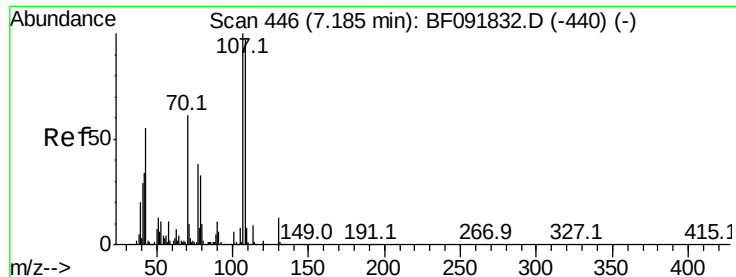
1/16/2017 8:39:28 AM



#18
Hexachloroethane
Concen: 47.57 ng
RT: 7.09 min Scan# 464
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.7	78.1	117.1	
201	110.1	78.6	117.8	





#19

n-Nitroso-di-n-propylamine

Concen: 45.28 ng

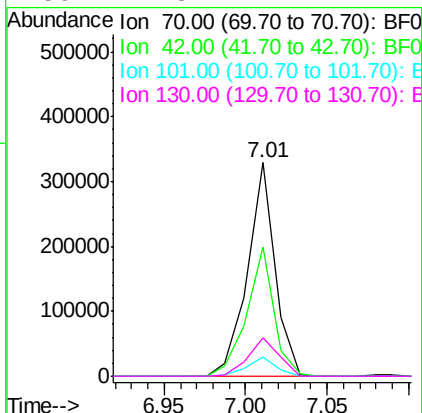
RT: 7.01 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Tot Ion	Ratio	Lower	Upper
70	100		
42	60.4	49.4	74.0
101	8.9	7.4	11.2
130	17.8	14.2	21.4



Instrument :
BNA_F

ClientSampleId :
TOD-SB-01-0-2MSD

Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM

#20

3+4-Methylphenols

Concen: 52.37 ng

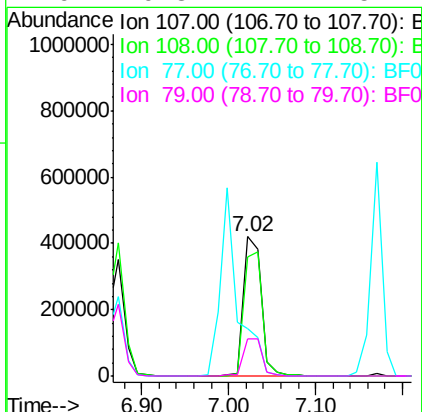
RT: 7.02 min Scan# 458

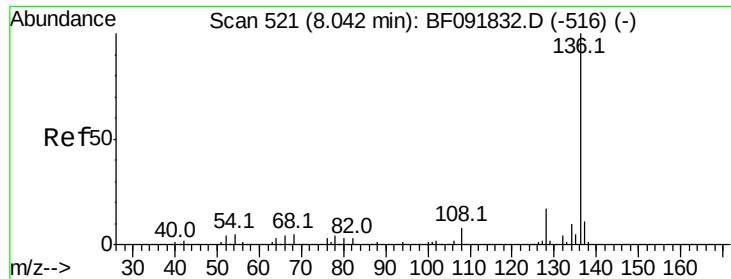
Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.2	73.0	113.0
77	34.0	71.3	111.3
79	26.3	11.1	51.1





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 532
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

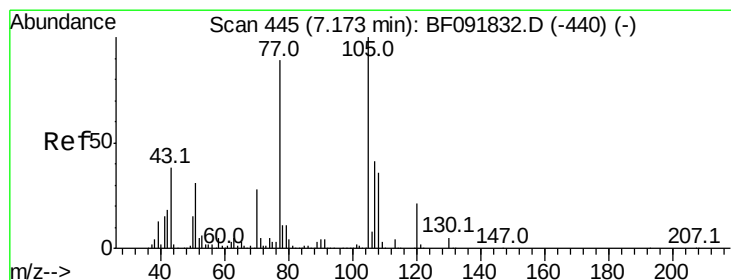
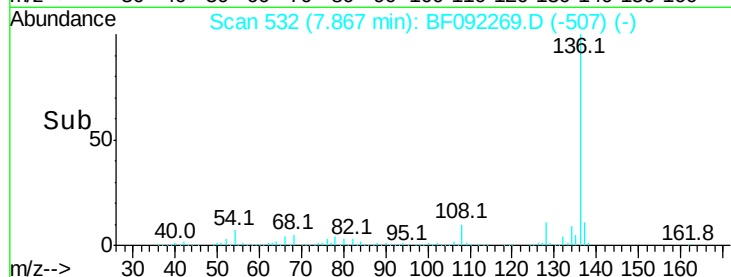
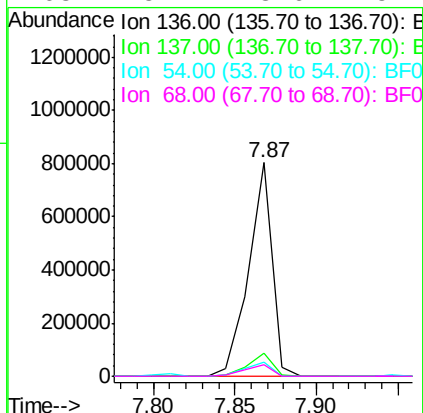
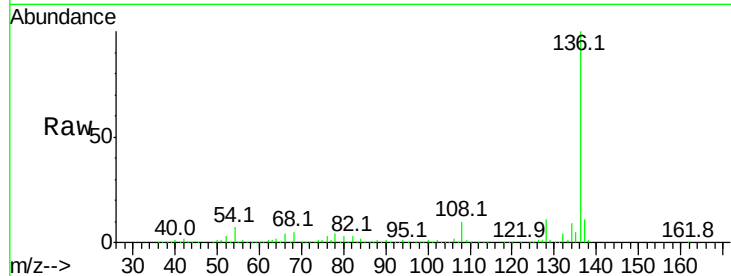
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.4	12.6
54	6.8	4.5	6.7#
68	5.4	3.6	5.4#

Manual Integrations
APPROVED

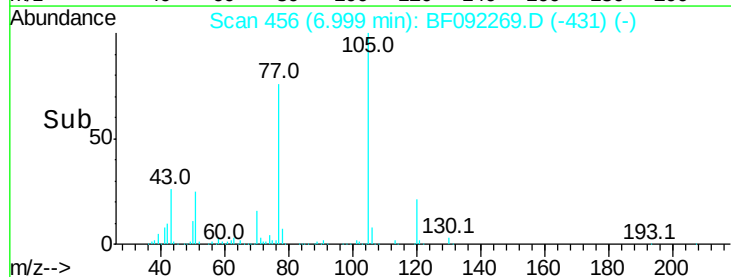
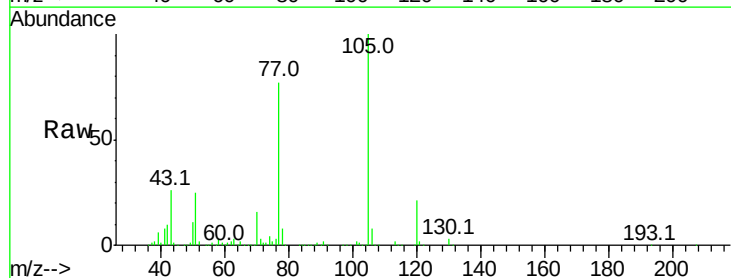
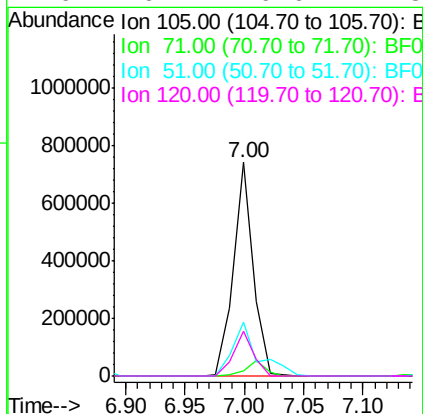
Sohil

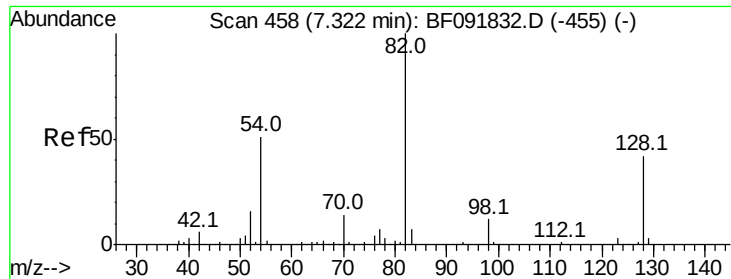
1/16/2017 8:39:28 AM



#22
Acetophenone
Concen: 43.75 ng
RT: 7.00 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	2.7	3.2	4.8#
51	25.3	26.2	39.4#
120	20.7	16.6	24.8





#23
 Nitrobenzene-d5
 Concen: 98.05 ng
 RT: 7.16 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: BF092269.D
 Acq: 14 Jan 2017 4:02

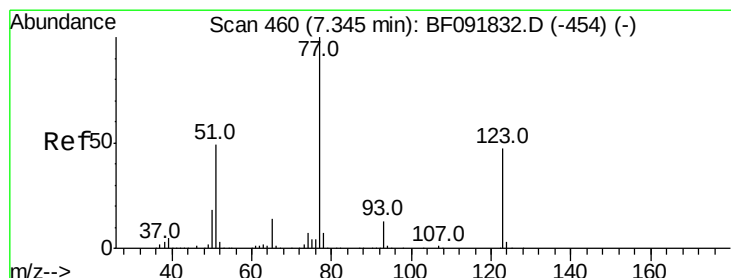
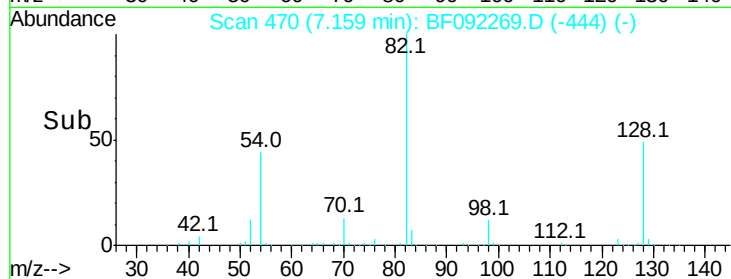
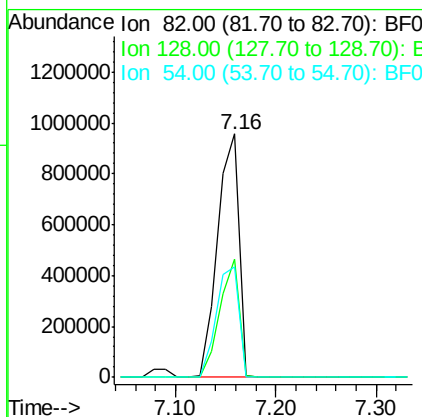
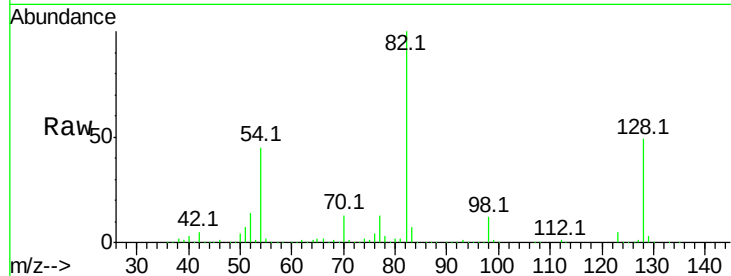
Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.7	34.6	52.0
54	45.1	39.5	59.3

Manual Integrations
 APPROVED

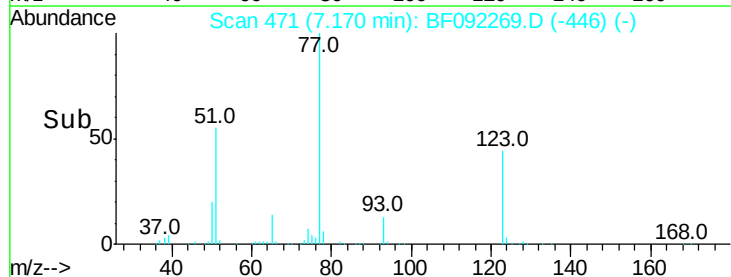
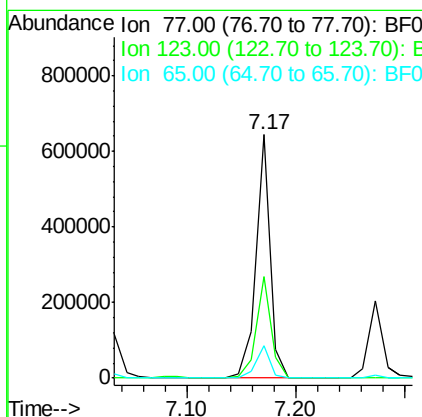
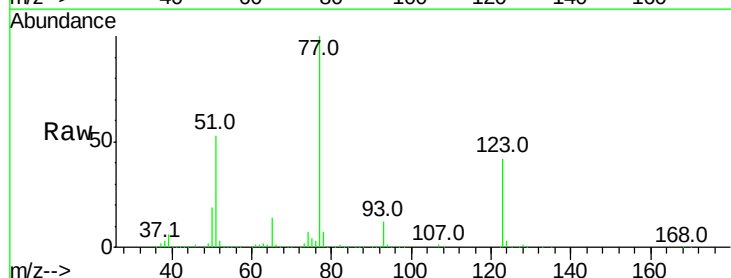
Sohil

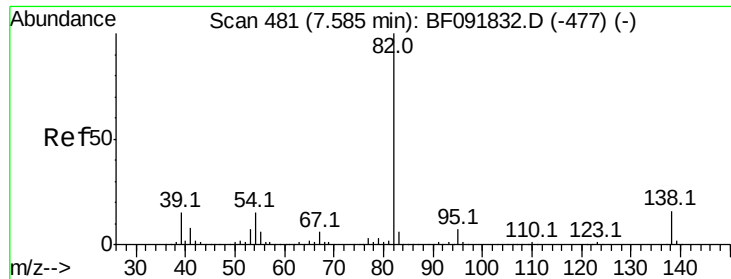
1/16/2017 8:39:28 AM



#24
 Nitrobenzene
 Concen: 38.54 ng
 RT: 7.17 min Scan# 471
 Delta R.T. -0.01 min
 Lab File: BF092269.D
 Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.9	33.0	49.4
65	13.6	11.2	16.8





#25

Isophorone

Concen: 40.07 ng

RT: 7.41 min Scan# 492

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2MSD

Tot Ion: 82 Resp: 1058906

Ion Ratio Lower Upper

82 100

95 6.5 5.6 8.4

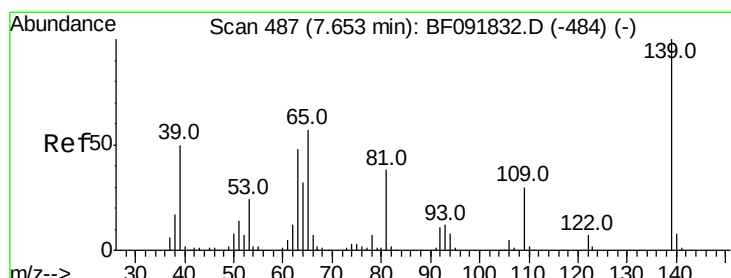
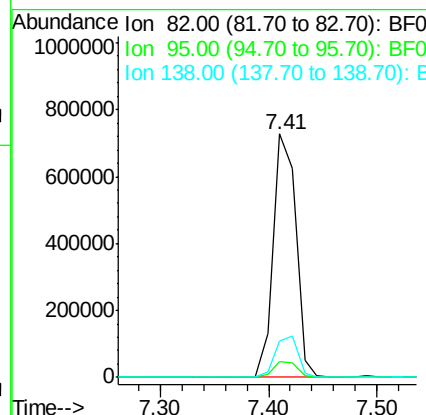
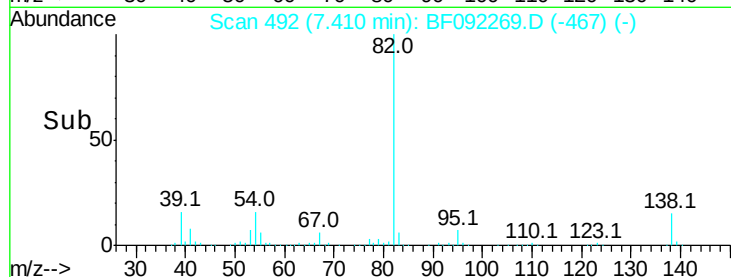
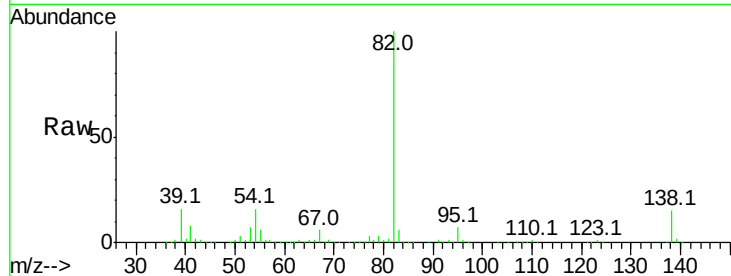
138 15.1 14.6 22.0

Manual Integrations

APPROVED

Sohil

1/16/2017 8:39:28 AM



#26

2-Nitrophenol

Concen: 39.92 ng

RT: 7.49 min Scan# 499

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

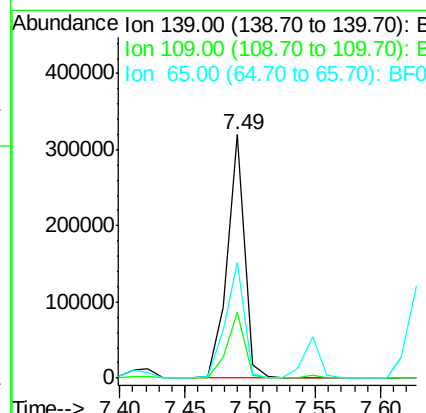
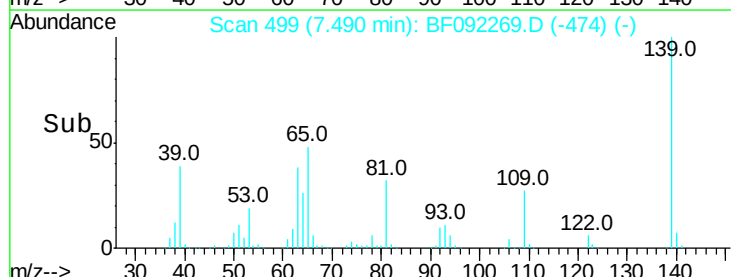
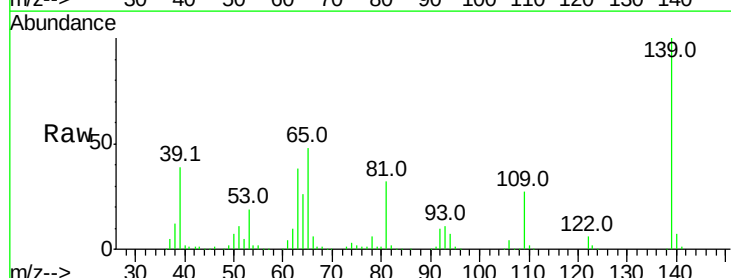
Tgt Ion: 139 Resp: 300350

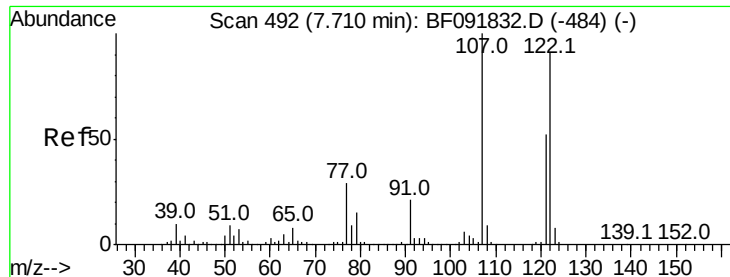
Ion Ratio Lower Upper

139 100

109 27.2 23.3 34.9

65 47.5 42.7 64.1





#27
2,4-Dimethylphenol
Concen: 38.61 ng
RT: 7.55 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

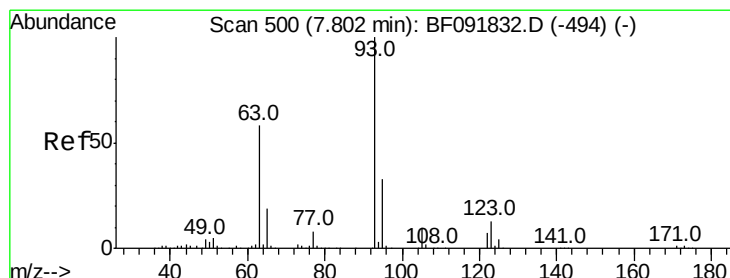
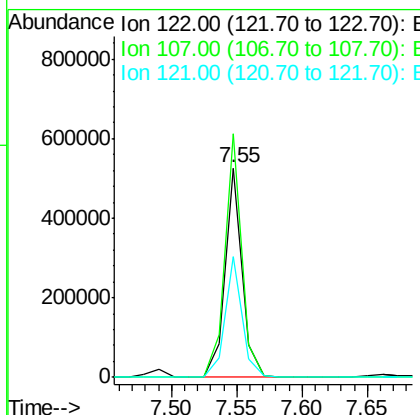
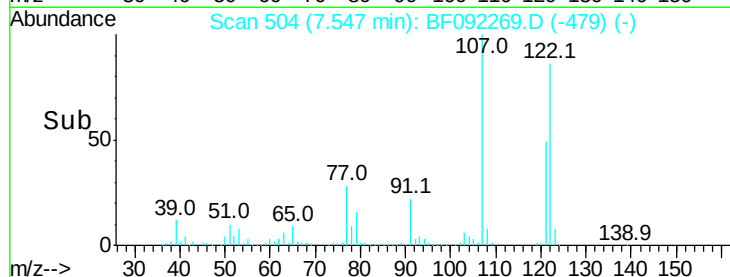
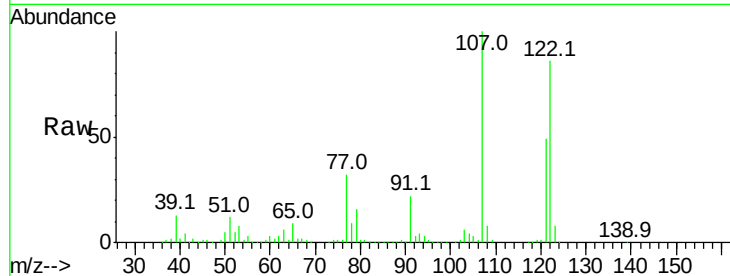
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	116.5	94.1	141.1
121	57.6	46.0	69.0

Manual Integrations
APPROVED

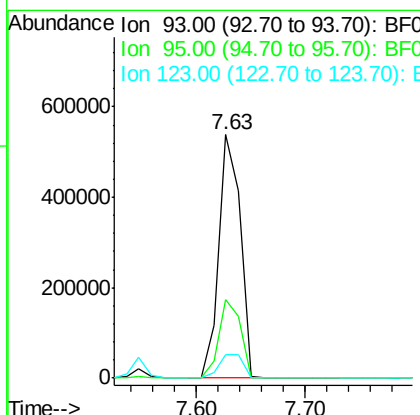
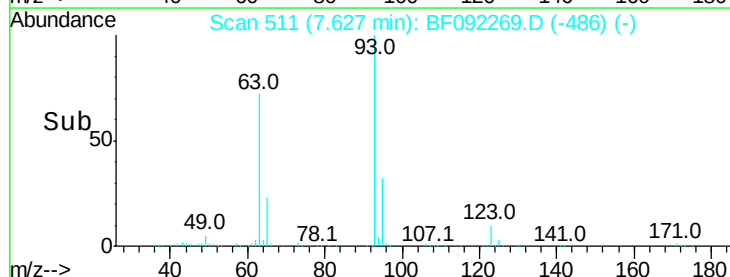
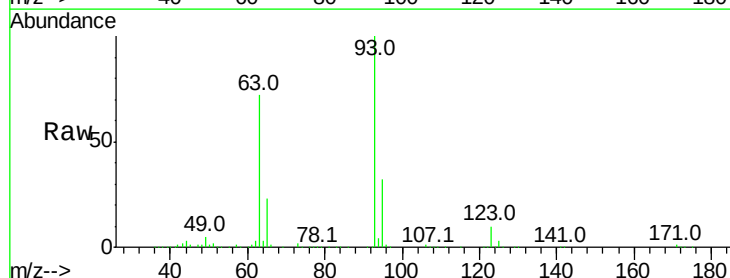
Sohil

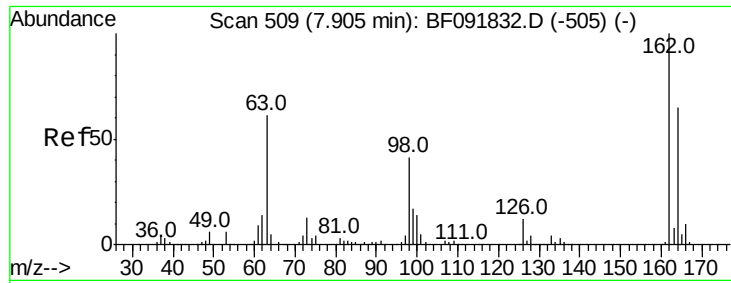
1/16/2017 8:39:28 AM



#28
bis(2-Chloroethoxy)methane
Concen: 46.05 ng
RT: 7.63 min Scan# 511
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.5	39.7
123	9.7	8.6	13.0





#29
 2,4-Dichlorophenol
 Concen: 39.89 ng
 RT: 7.74 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: BF092269.D
 Acq: 14 Jan 2017 4:02

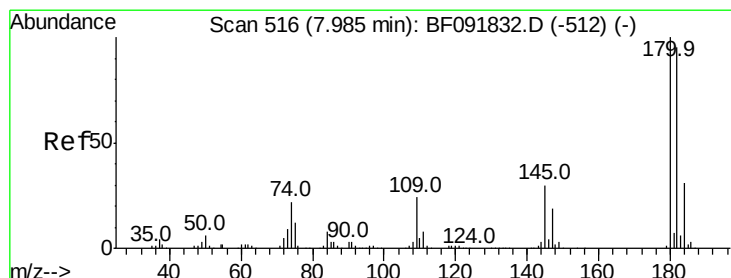
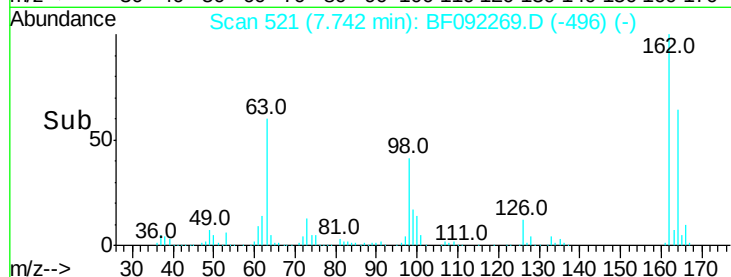
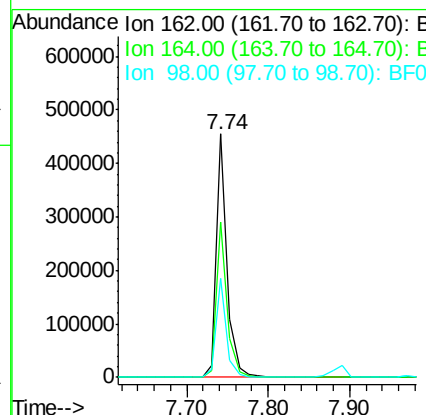
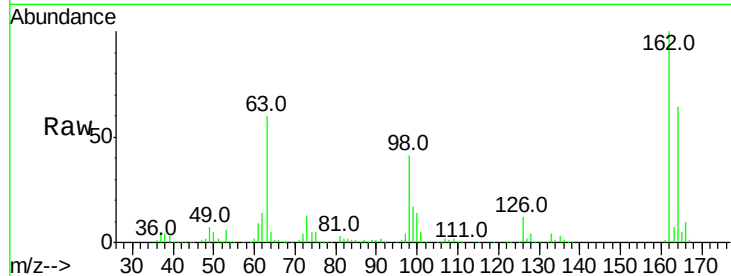
Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-01-0-2MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	63.8	46.8	86.8
98	40.9	9.1	49.1

Manual Integrations
 APPROVED

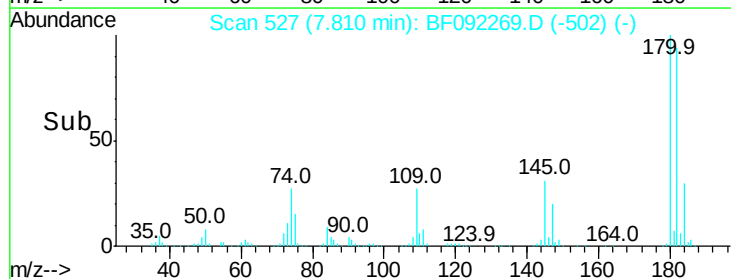
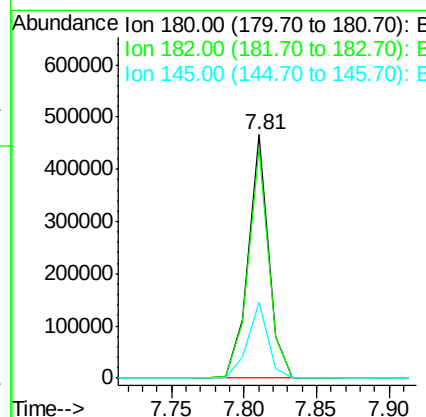
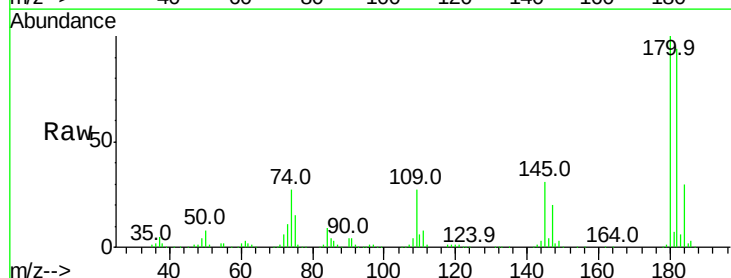
Sohil

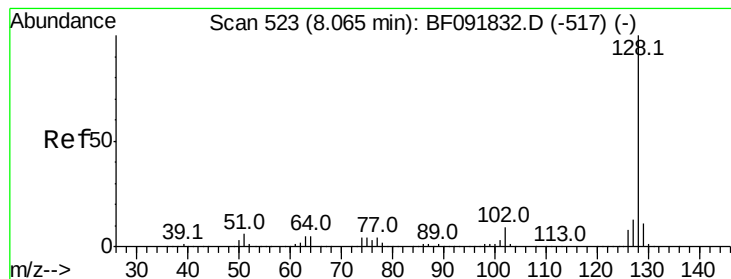
1/16/2017 8:39:28 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 39.16 ng
 RT: 7.81 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: BF092269.D
 Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.1	78.2	117.4
145	31.2	21.6	32.4





#31

Naphthalene

Concen: 49.42 ng

RT: 7.89 min Scan# 534

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2MSD

Tot Ion:128 Resp: 1801650

Ion Ratio Lower Upper

128 100

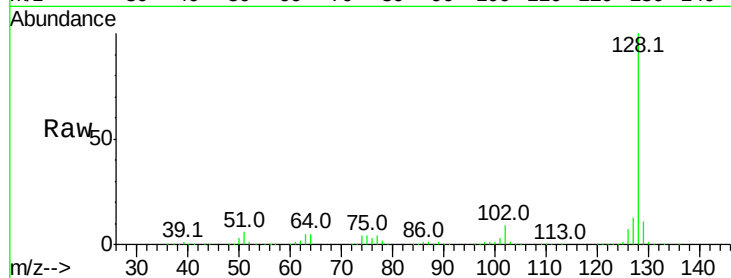
129 11.3 9.5 14.3

127 13.4 10.8 16.2

Manual Integrations
APPROVED

Sohil

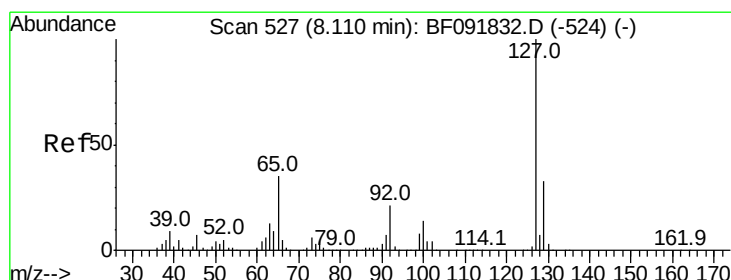
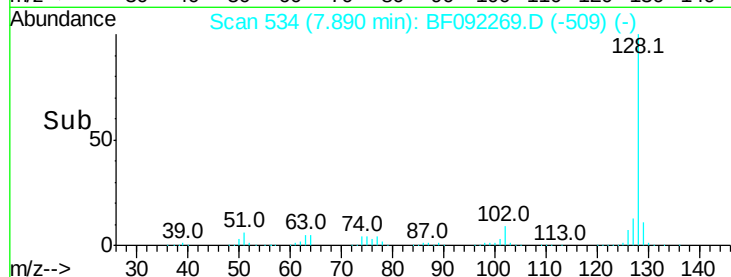
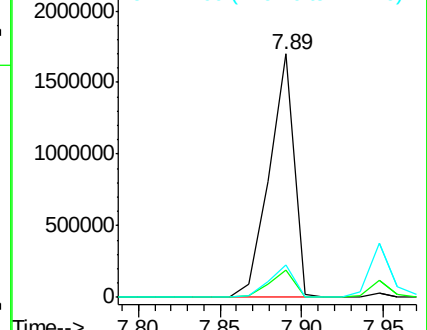
1/16/2017 8:39:28 AM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 22.24 ng

RT: 7.95 min Scan# 539

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Tgt Ion:127 Resp: 365496

Ion Ratio Lower Upper

127 100

129 31.9 26.3 39.5

65 30.2 25.8 38.8

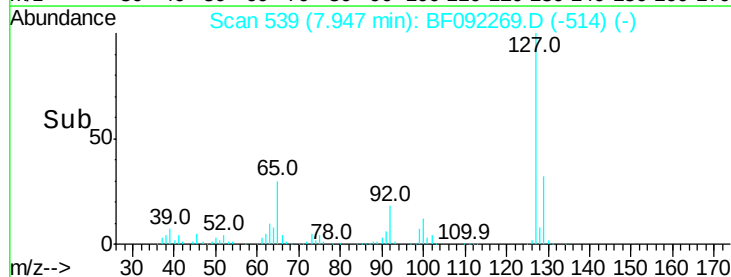
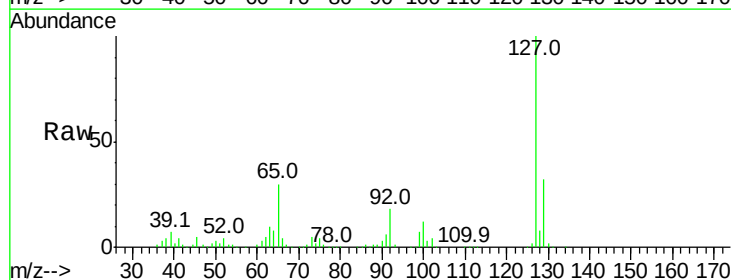
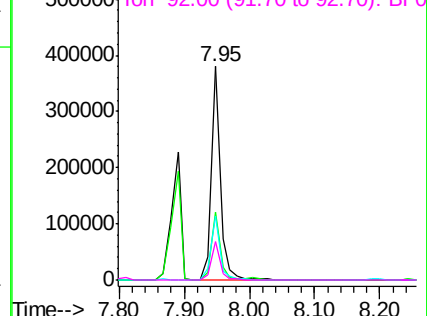
92 18.3 16.1 24.1

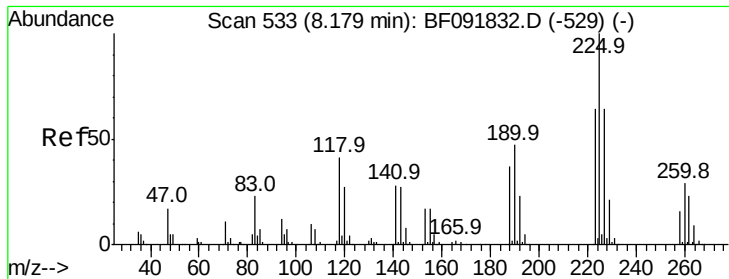
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#34
Hexachlorobutadiene
Concen: 38.02 ng
RT: 8.00 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

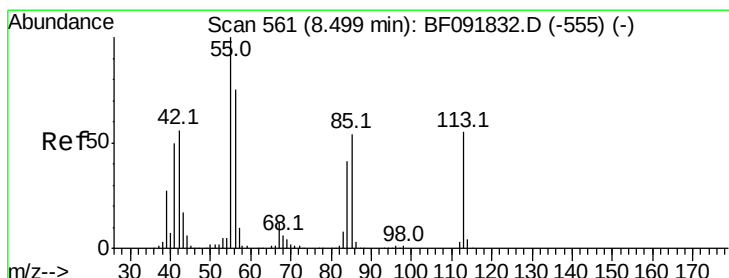
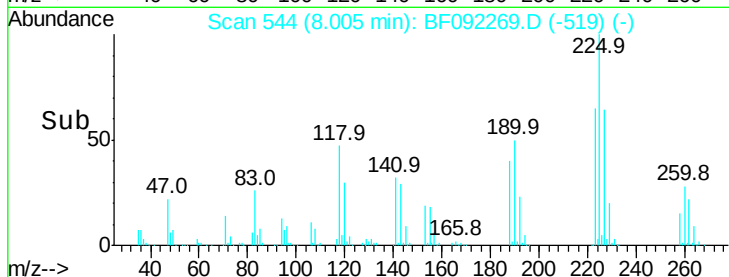
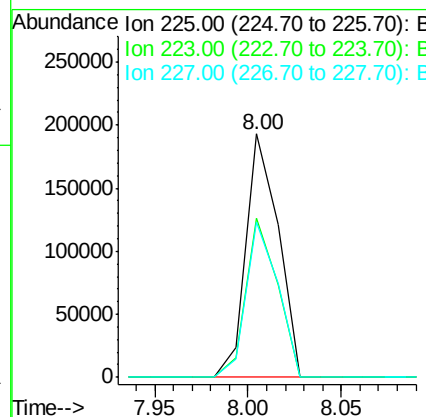
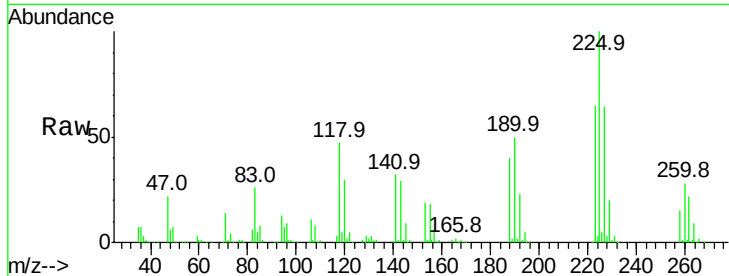
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
225	100	232391		
223	65.4	51.0	76.6	
227	63.6	50.6	76.0	

Manual Integrations
APPROVED

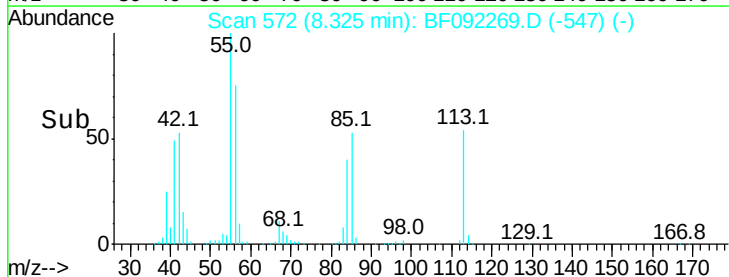
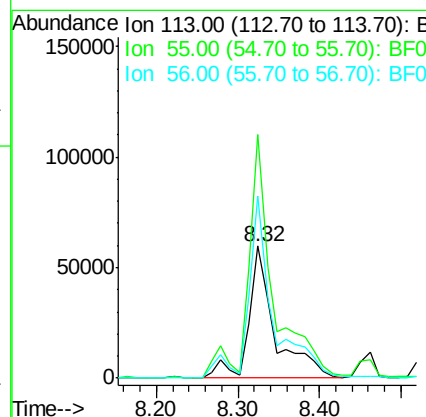
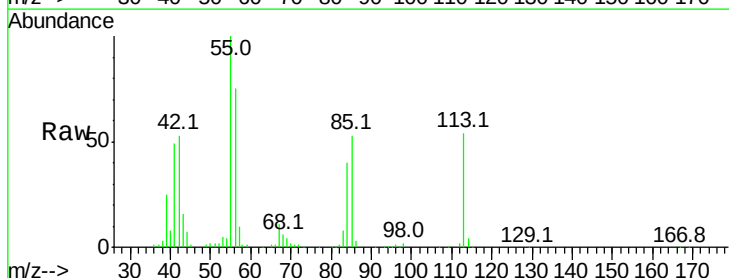
Sohil

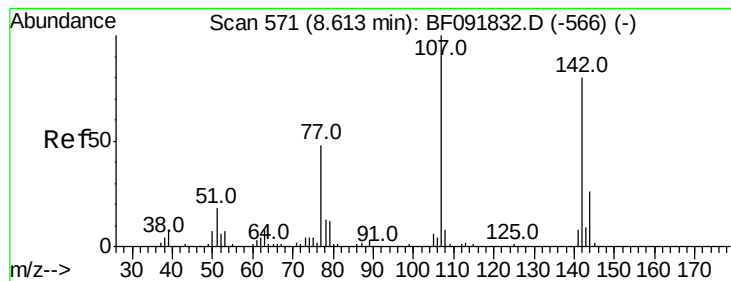
1/16/2017 8:39:28 AM



#35
Caprolactam
Concen: 38.20 ng
RT: 8.32 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	132656		
55	184.2	119.2	159.2#	
56	138.2	83.8	123.8#	





#36
4-Chloro-3-methylphenol
Concen: 41.30 ng
RT: 8.46 min Scan# 584
Delta R.T. 0.00 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

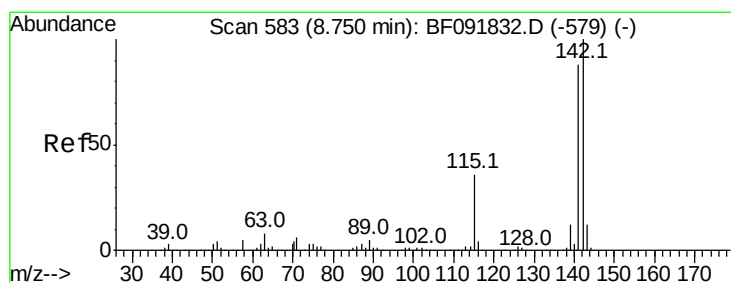
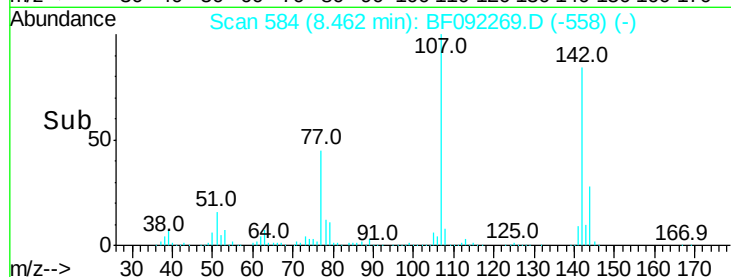
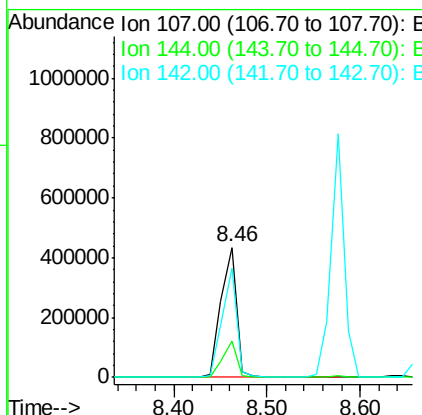
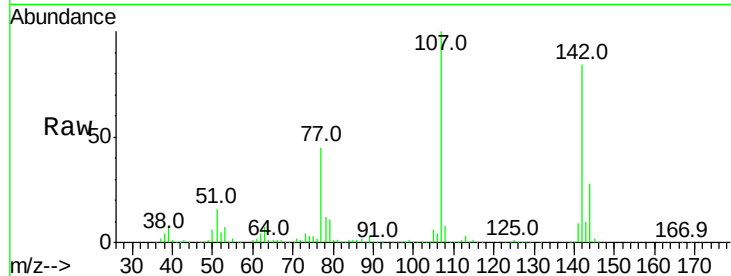
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
107	100		
144	27.6	19.3	28.9
142	84.0	59.0	88.6

Manual Integrations
APPROVED

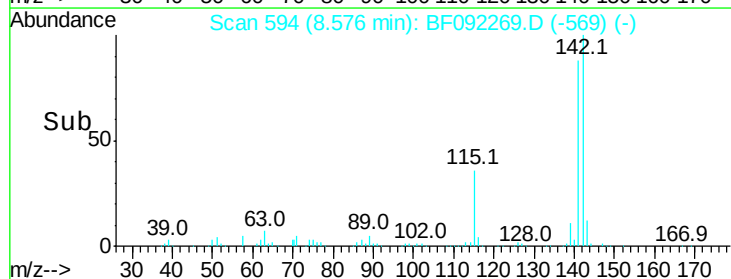
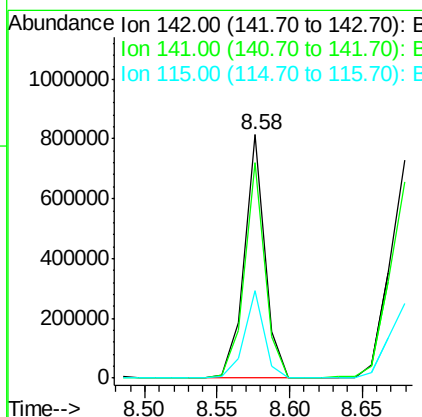
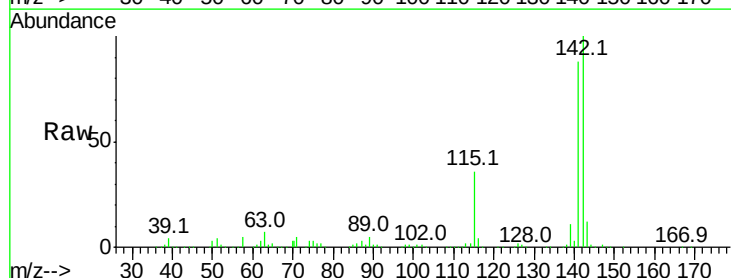
Sohil

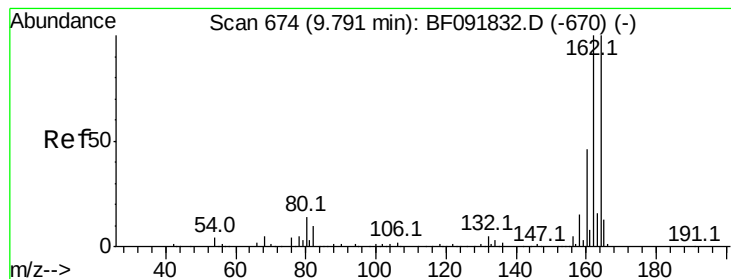
1/16/2017 8:39:28 AM



#37
2-Methylnaphthalene
Concen: 33.04 ng
RT: 8.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.0	106.6
115	35.9	28.3	42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF092269.D

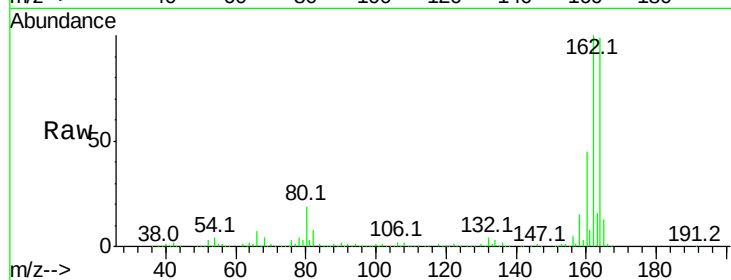
Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2MSD



Tot Ion:164 Resp: 319510

Ion Ratio Lower Upper

164 100

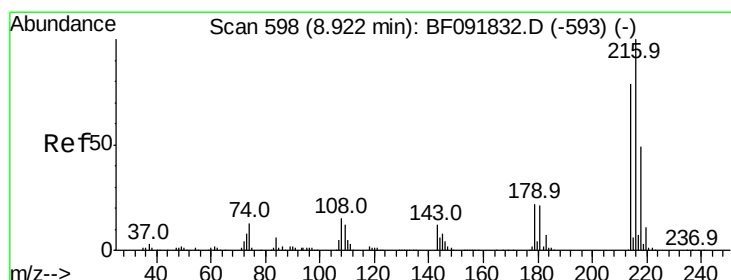
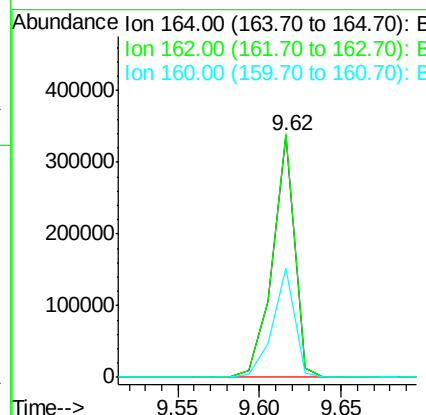
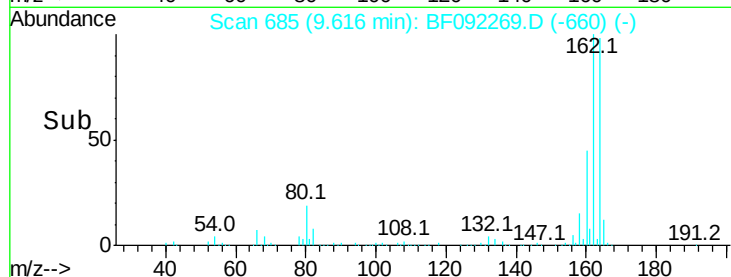
162 100.7 80.2 120.2

160 44.9 36.9 55.3

Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM



#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.11 ng

RT: 8.75 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Tgt Ion:216 Resp: 348039

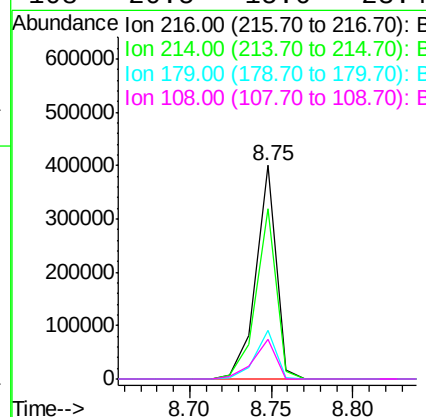
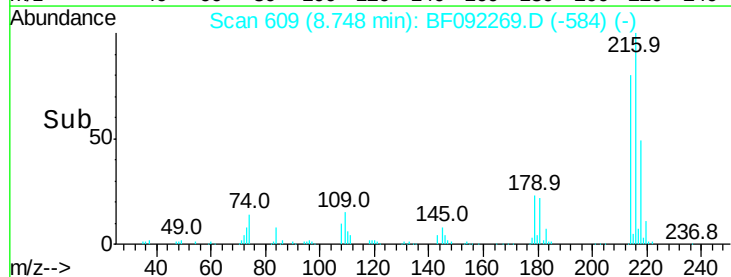
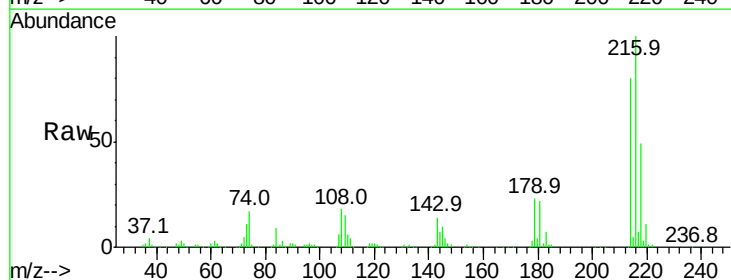
Ion Ratio Lower Upper

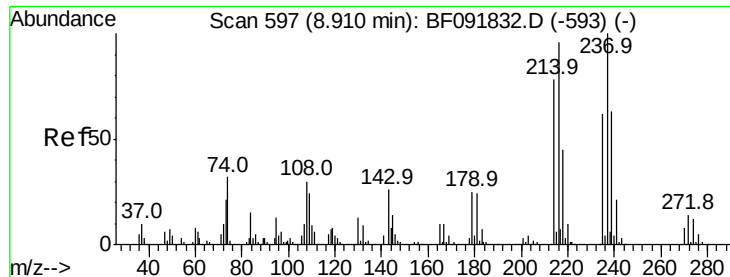
216 100

214 79.4 63.4 95.0

179 23.3 17.4 26.2

108 20.5 15.6 23.4





#40
Hexachlorocyclopentadiene
Concen: 16.43 ng
RT: 8.74 min Scan# 608
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

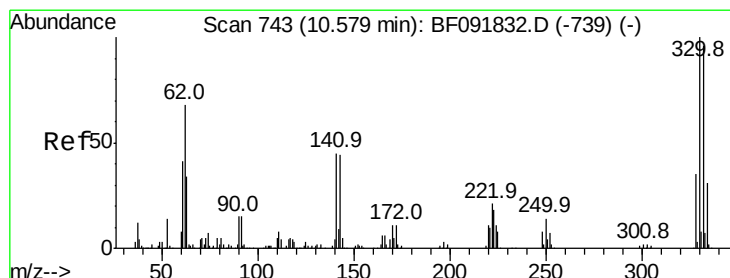
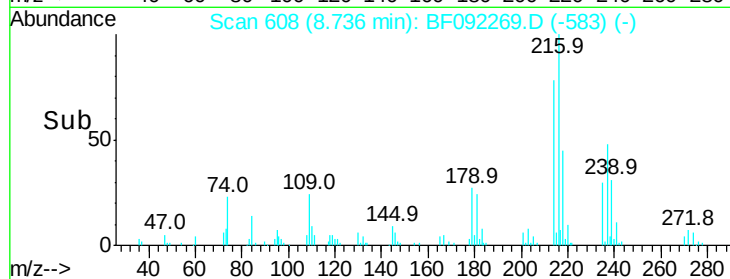
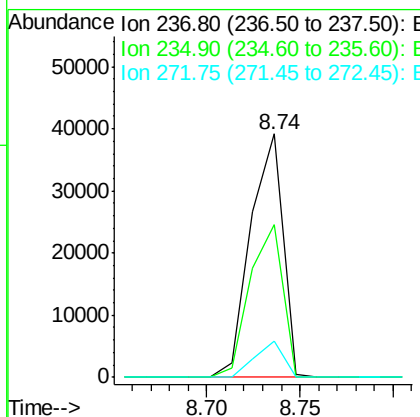
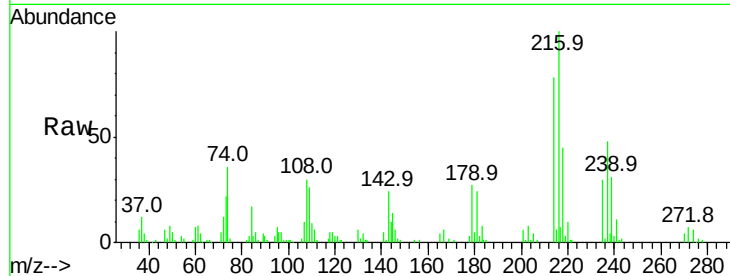
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
237	100		
235	62.5	41.2	81.2
272	15.0	0.0	35.4

Manual Integrations
APPROVED

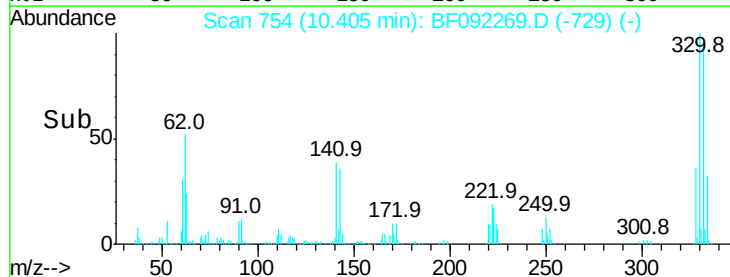
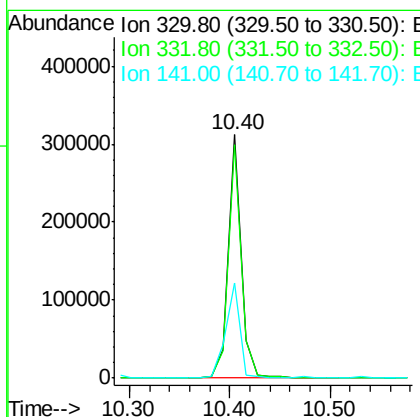
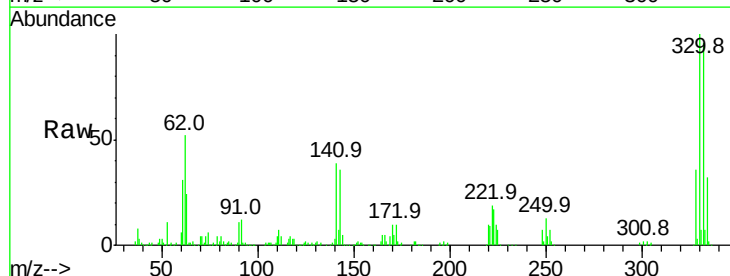
Sohil

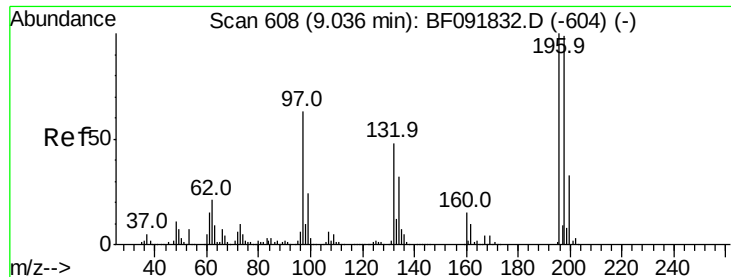
1/16/2017 8:39:28 AM



#41
2,4,6-Tribromophenol
Concen: 106.73 ng
RT: 10.40 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	42.7	34.1	51.1





#42

2,4,6-Trichlorophenol

Concen: 45.55 ng

RT: 8.87 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleId :

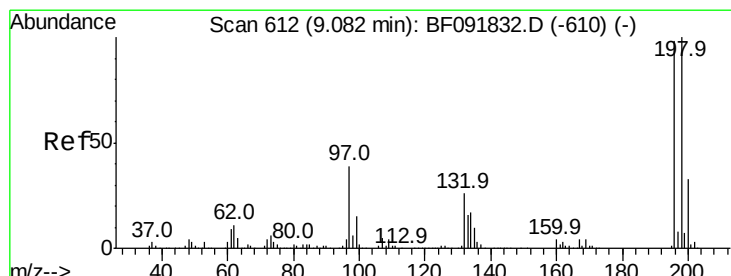
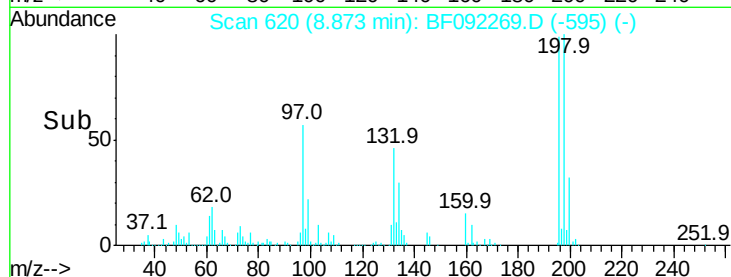
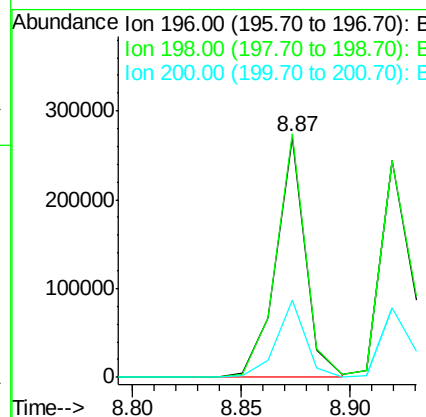
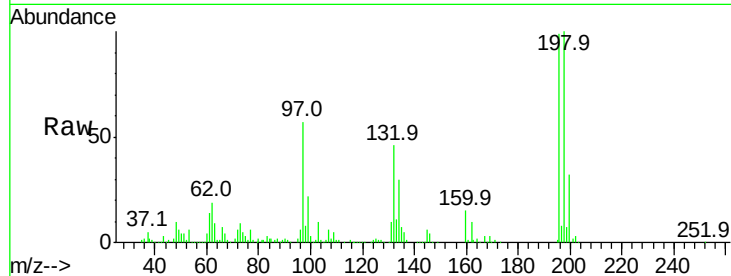
TOD-SB-01-0-2MSD

Tot Ion:	196	Resp:	257126
Ion Ratio	Lower	Upper	
196	100		
198	101.5	82.1	123.1
200	32.3	27.0	40.4

Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM



#43

2,4,5-Trichlorophenol

Concen: 41.70 ng

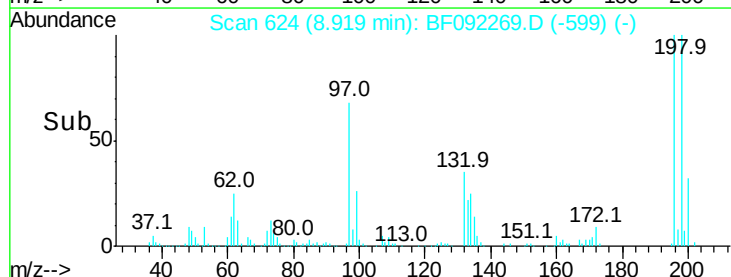
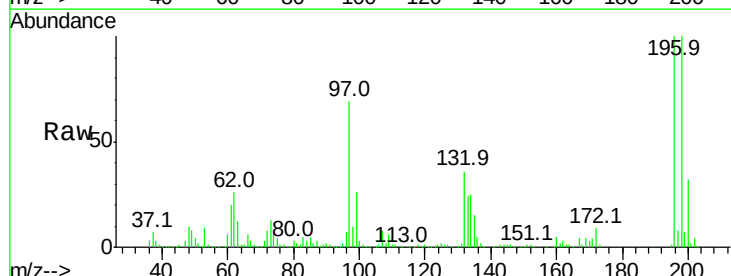
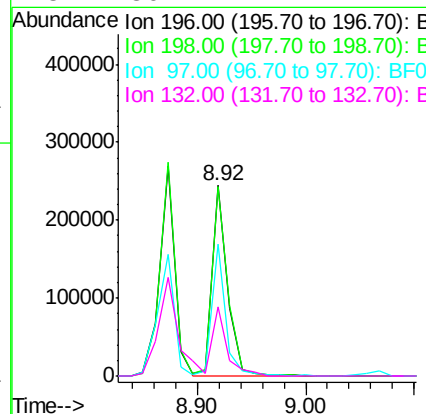
RT: 8.92 min Scan# 624

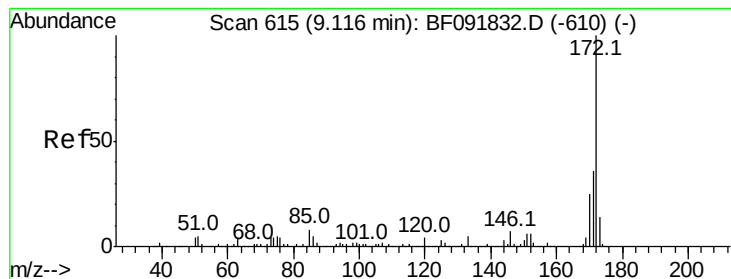
Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Tgt Ion:	196	Resp:	242271
Ion Ratio	Lower	Upper	
196	100		
198	99.7	79.4	119.2
97	69.0	51.5	77.3
132	36.1	27.4	41.2





#44
2-Fluorobiphenyl
Concen: 106.22 ng
RT: 8.95 min Scan# 627
Delta R.T. 0.00 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

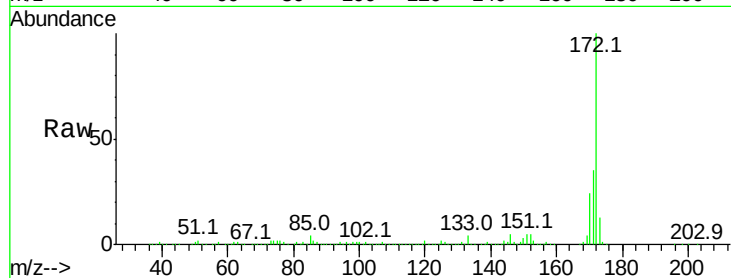
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.4	44.0
170	23.6	20.2	30.4

Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM

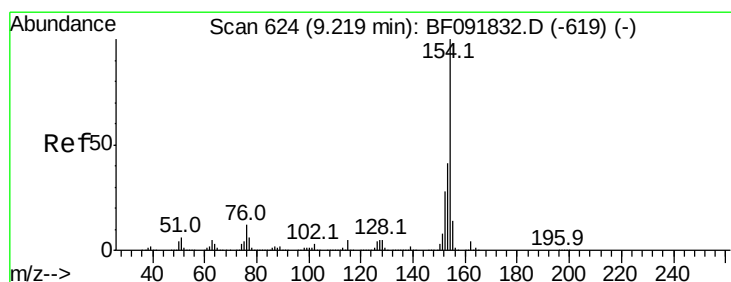
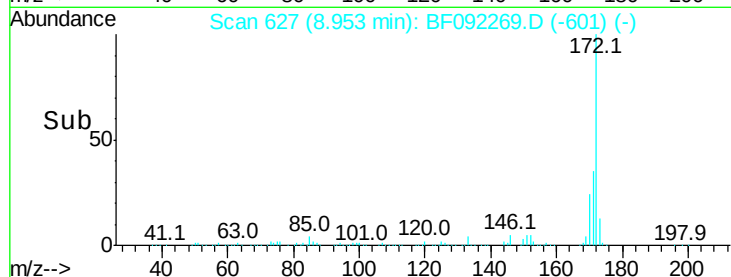
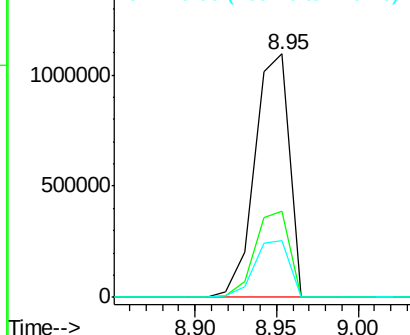


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45
1,1'-Biphenyl
Concen: 41.72 ng
RT: 9.04 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

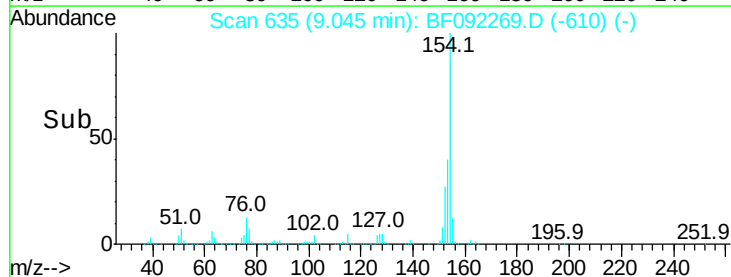
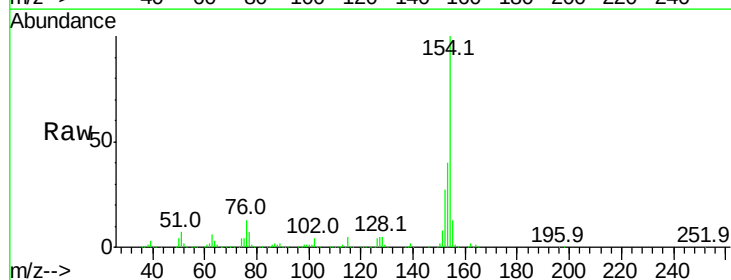
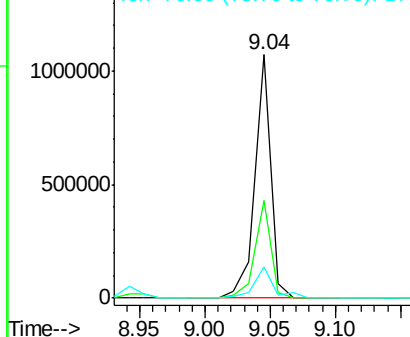
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.9	60.9
76	12.9	0.0	30.5

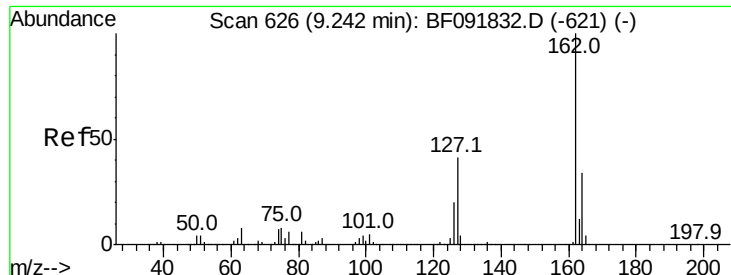
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#46
2-Chloronaphthalene
Concen: 40.76 ng
RT: 9.07 min Scan# 637
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

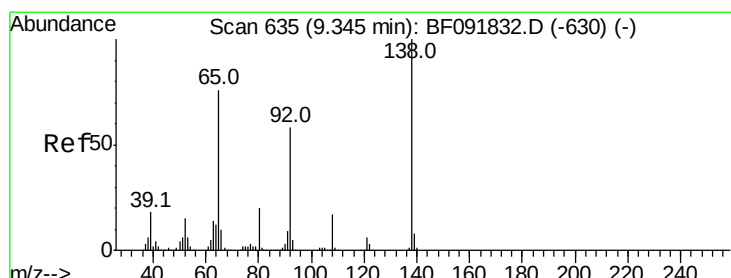
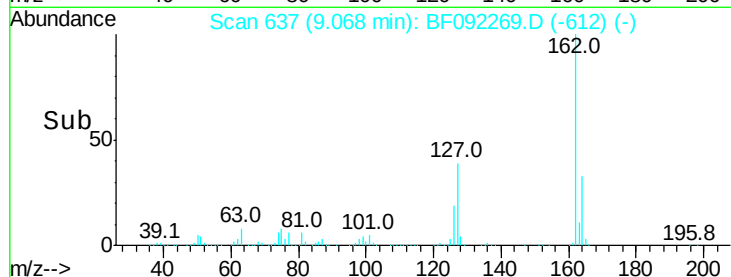
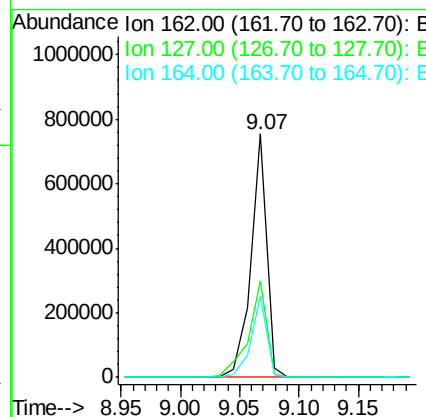
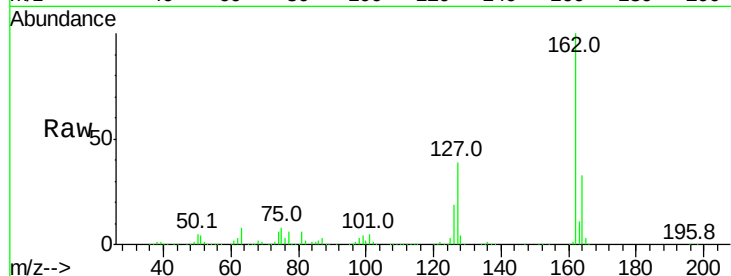
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	39.4	30.7	46.1
164	33.3	27.6	41.4

Manual Integrations
APPROVED

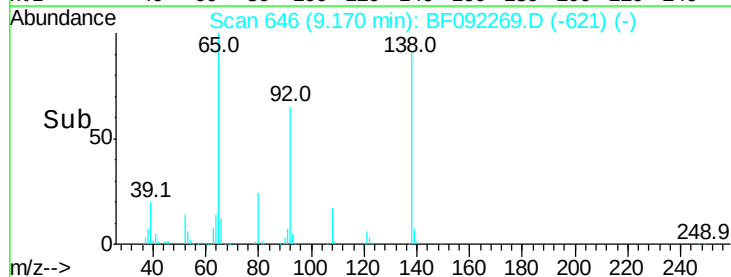
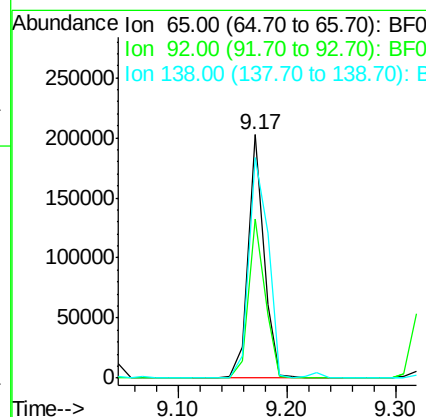
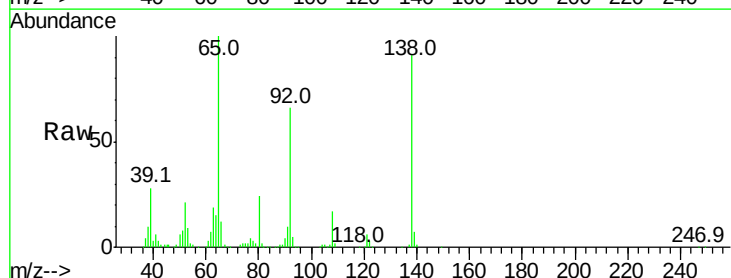
Sohil

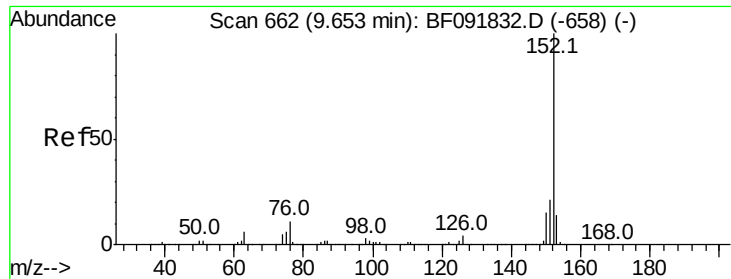
1/16/2017 8:39:28 AM



#47
2-Nitroaniline
Concen: 32.85 ng
RT: 9.17 min Scan# 646
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	65.6	53.9	80.9
138	90.6	76.8	115.2





#48

Acenaphthylene

Concen: 38.60 ng

RT: 9.48 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2MSD

Tot Ion:152 Resp: 1028467

Ion Ratio Lower Upper

152 100

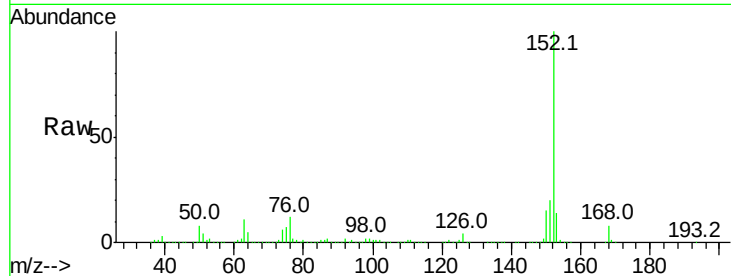
151 20.1 16.9 25.3

153 13.8 11.4 17.2

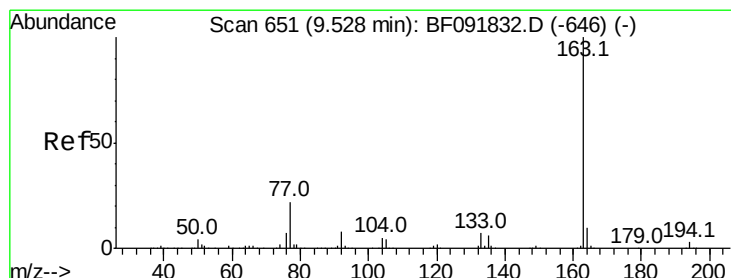
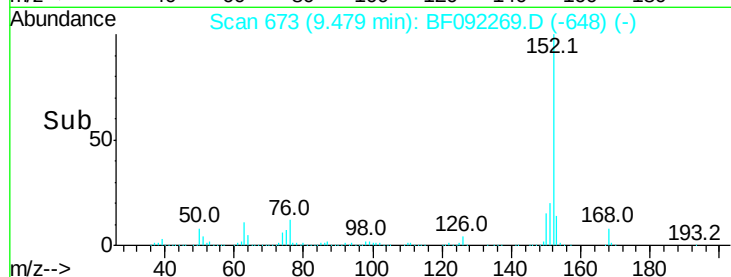
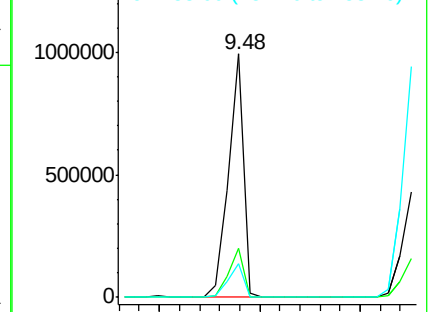
Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 56.13 ng

RT: 9.35 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

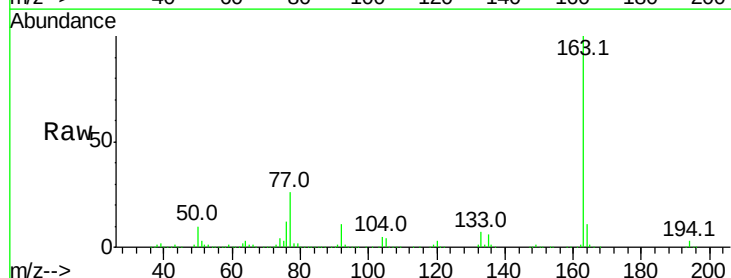
Tgt Ion:163 Resp: 1147082

Ion Ratio Lower Upper

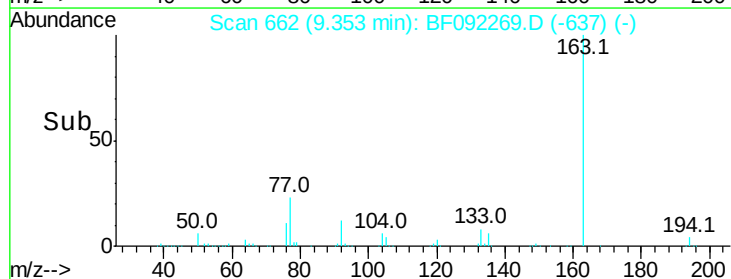
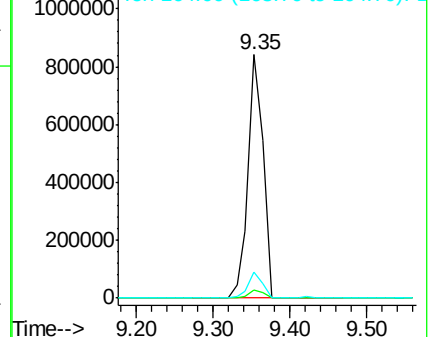
163 100

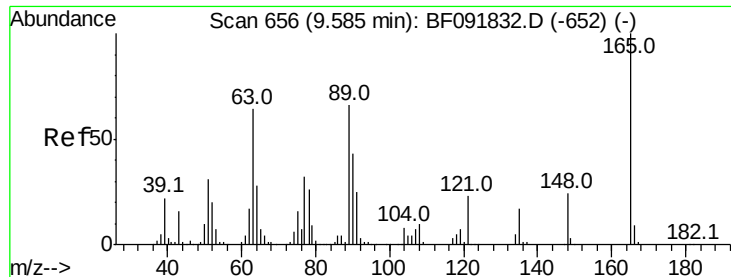
194 3.2 3.0 4.4

164 10.7 8.0 12.0



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





#50
2,6-Dinitrotoluene
Concen: 45.47 ng
RT: 9.42 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

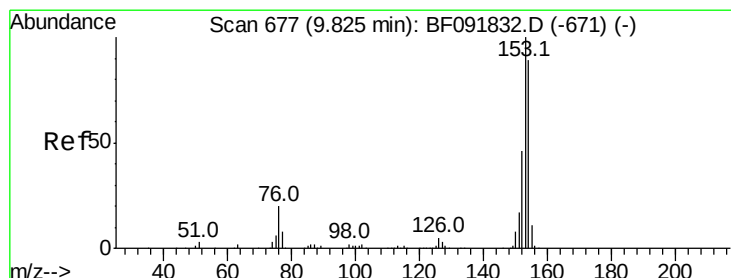
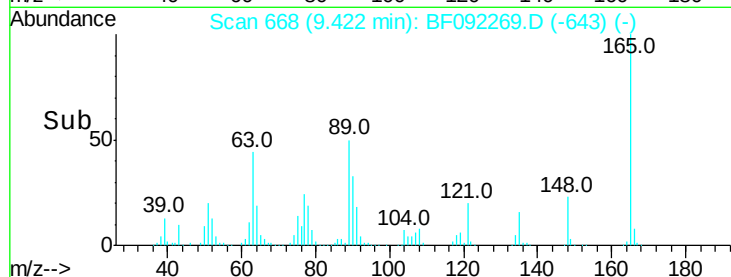
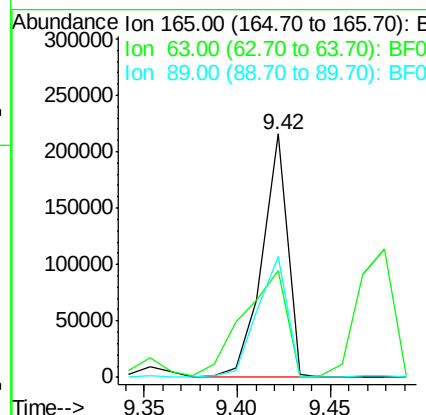
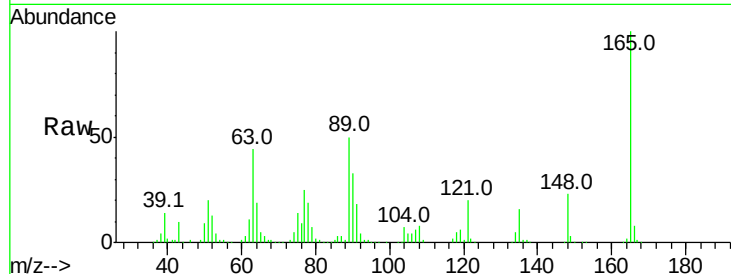
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	203379		
63	43.8		36.2	54.4
89	49.8		40.2	60.4

Manual Integrations
APPROVED

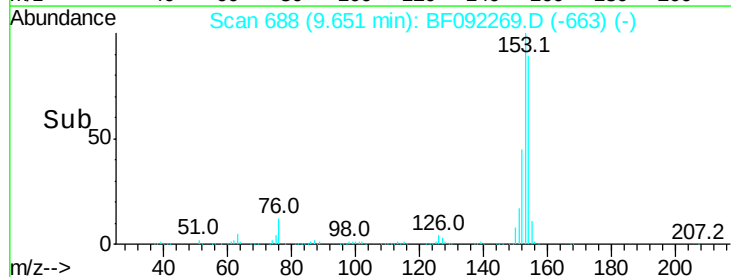
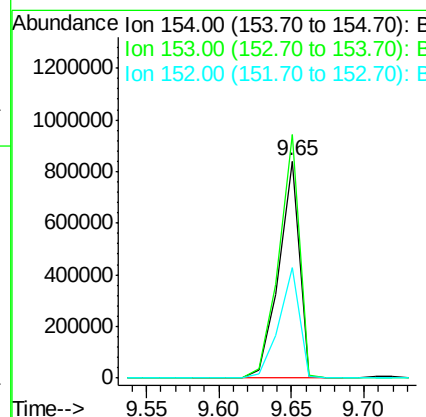
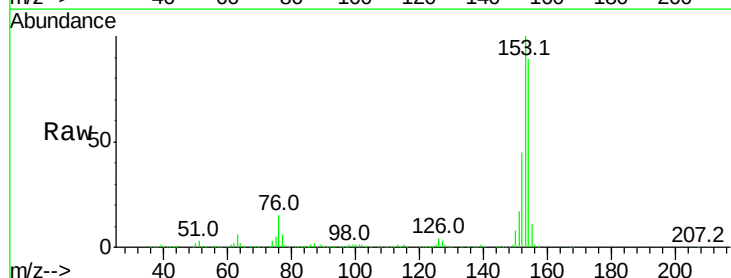
Sohil

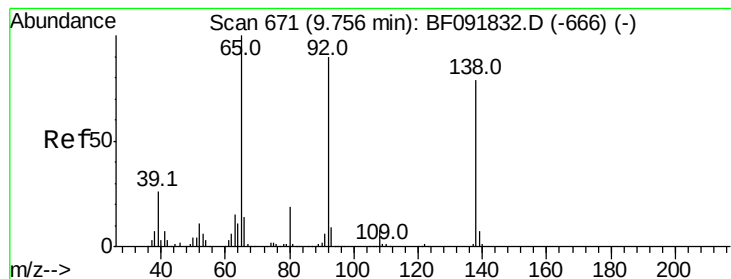
1/16/2017 8:39:28 AM



#51
Acenaphthene
Concen: 45.96 ng
RT: 9.65 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	830196		
153	112.0		88.6	133.0
152	50.9		41.6	62.4





#52

3-Nitroaniline

Concen: 30.82 ng

RT: 9.58 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleId :

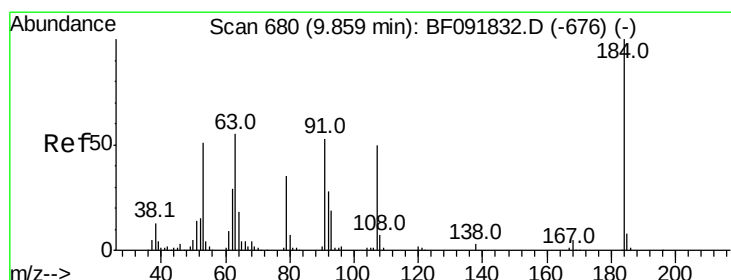
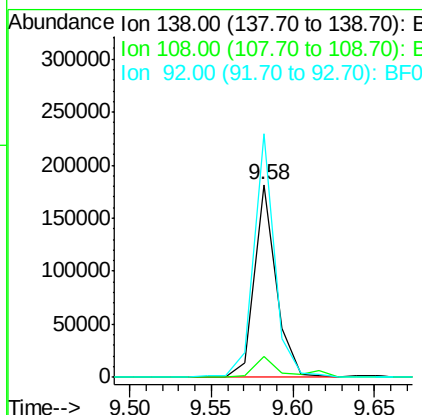
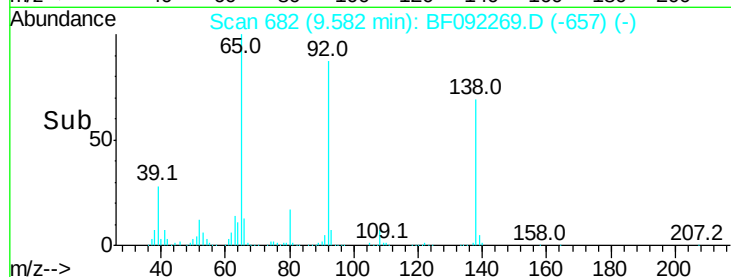
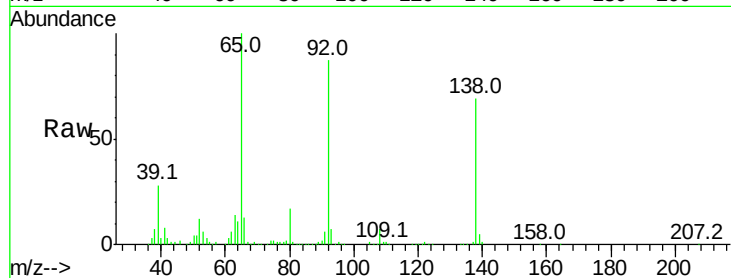
TOD-SB-01-0-2MSD

Tot Ion:138	Resp:	170624
Ion Ratio	Lower	Upper
138 100		
108 10.7	8.5	12.7
92 126.3	97.8	146.8

Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM



#53

2,4-Dinitrophenol

Concen: 6.93 ng

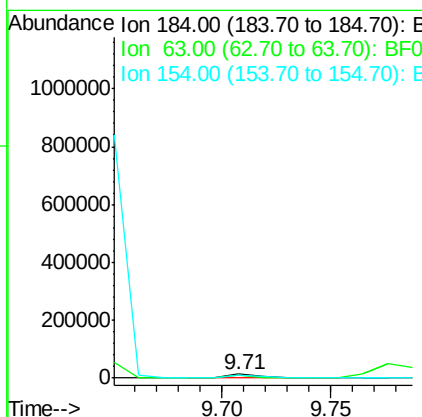
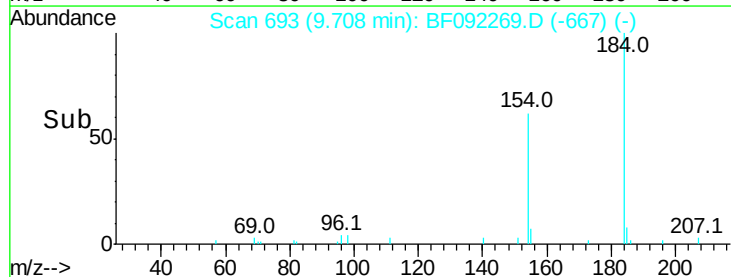
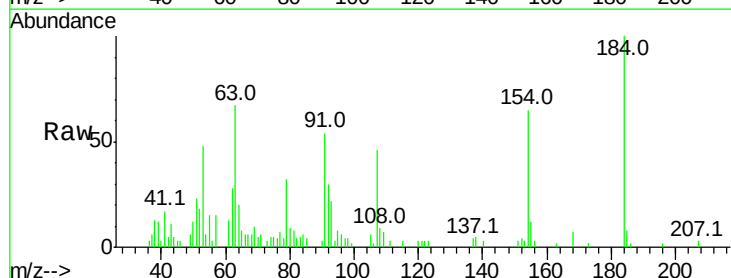
RT: 9.71 min Scan# 693

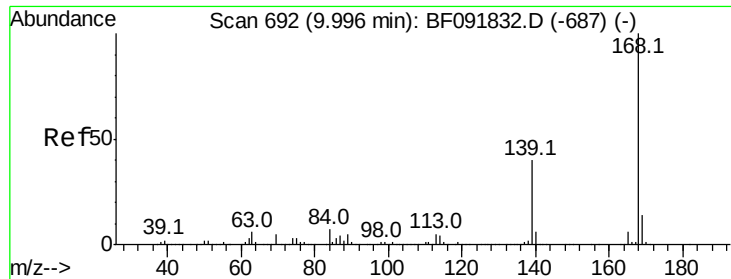
Delta R.T. 0.00 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Tgt Ion:184	Resp:	17241
Ion Ratio	Lower	Upper
184 100		
63 67.1	28.4	42.6#
154 65.2	44.3	66.5





#54
Dibenzofuran
Concen: 43.45 ng
RT: 9.82 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

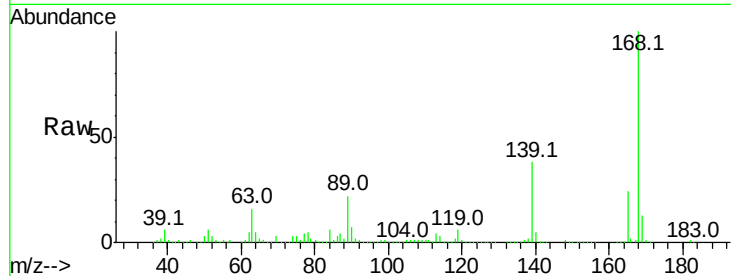
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.0	32.6	49.0
169	13.5	11.3	16.9

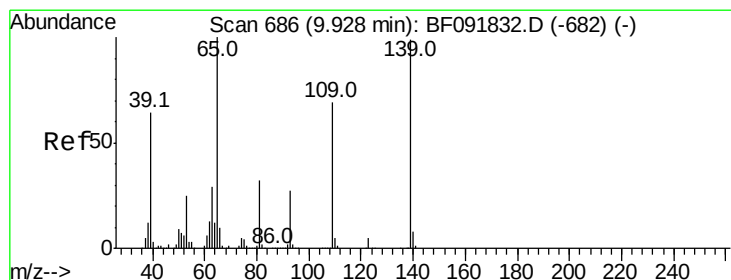
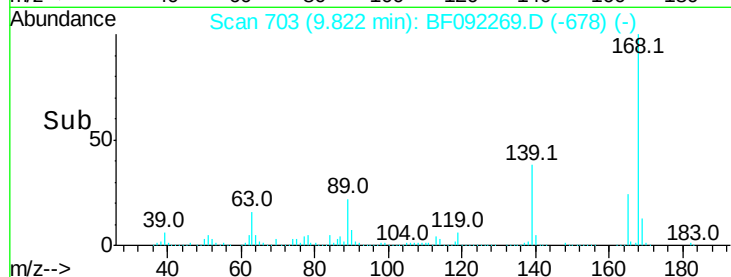
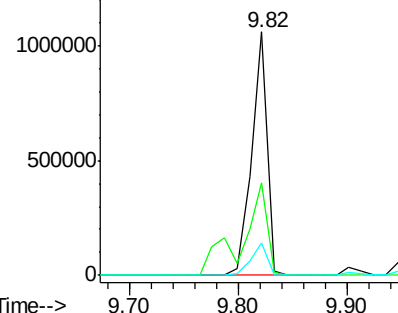
Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM



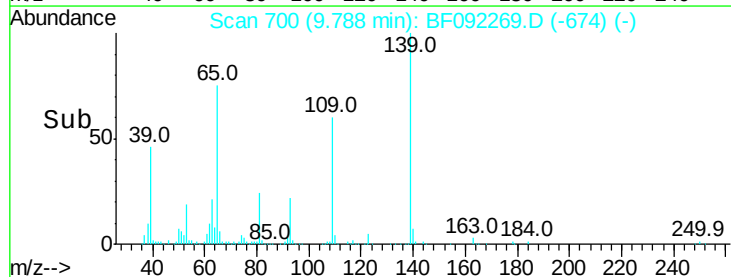
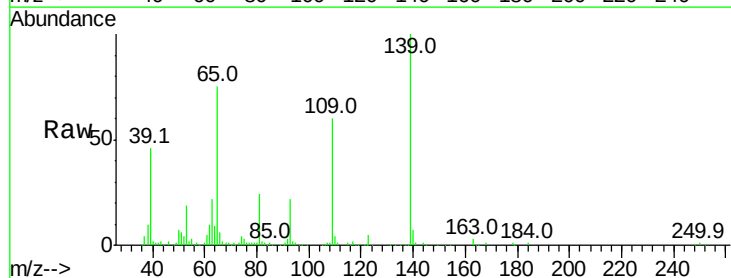
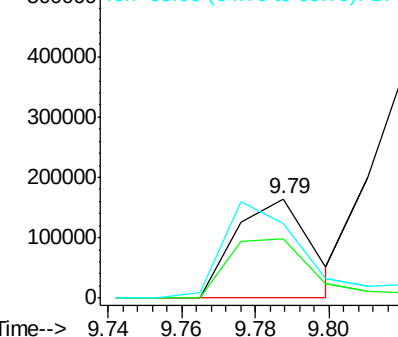
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

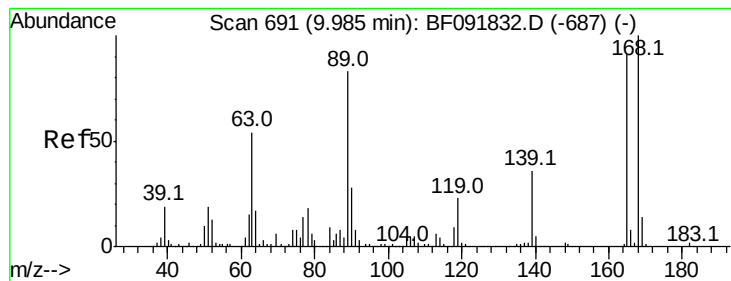


#55
4-Nitrophenol
Concen: 62.29 ng m
RT: 9.79 min Scan# 700
Delta R.T. 0.00 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
139	100		
109	60.3	52.2	92.2
65	74.9	85.8	125.8#

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





#56
 2,4-Dinitrotoluene
 Concen: 39.50 ng
 RT: 9.82 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: BF092269.D
 Acq: 14 Jan 2017 4:02

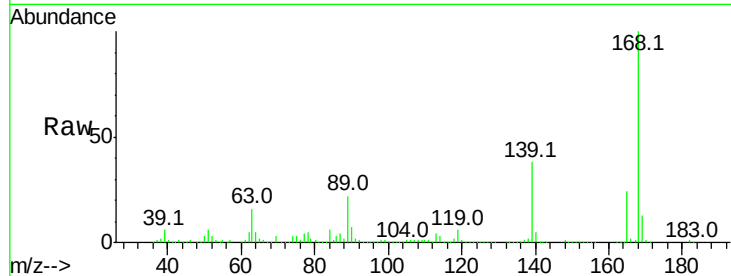
Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-01-0-2MSD

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	67.2	40.2	60.4#
89	95.0	62.5	93.7#
182	2.2	1.8	2.8

Manual Integrations
 APPROVED

Sohil

1/16/2017 8:39:28 AM

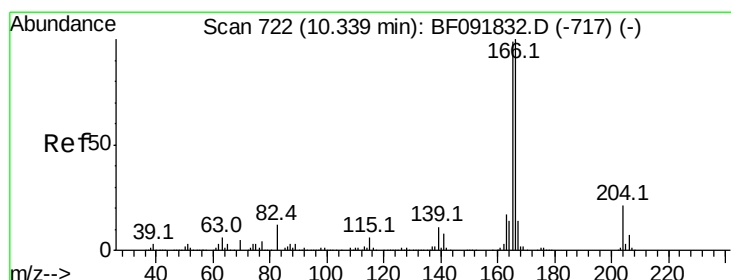
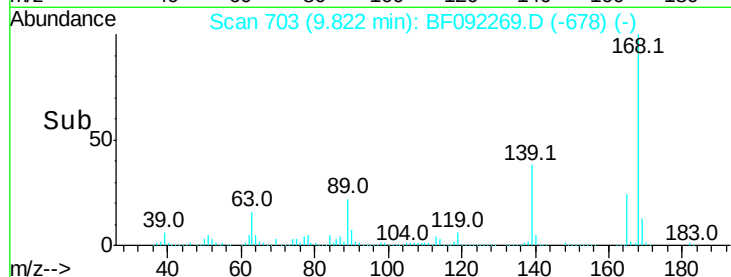
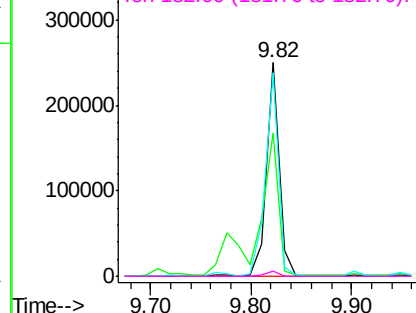


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

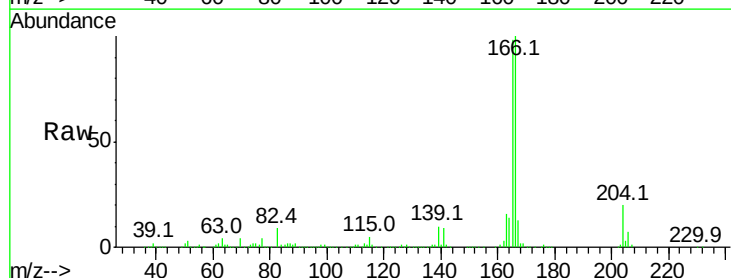
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
 Fluorene
 Concen: 40.16 ng
 RT: 10.16 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: BF092269.D
 Acq: 14 Jan 2017 4:02

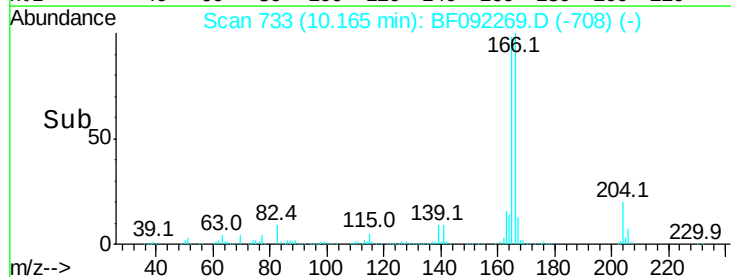
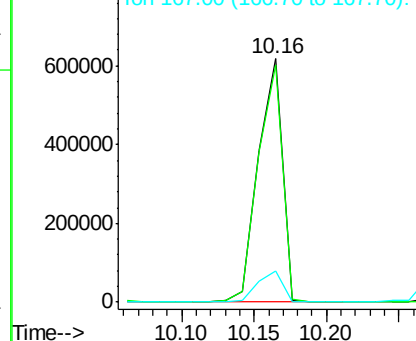
Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	97.6	77.8	116.8
167	13.0	10.8	16.2

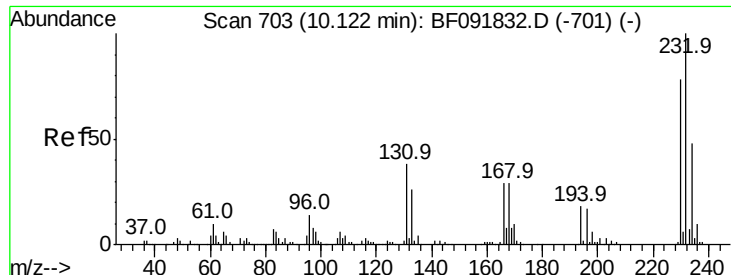


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#58
 2,3,4,6-Tetrachlorophenol
 Concen: 37.03 ng
 RT: 9.95 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: BF092269.D
 Acq: 14 Jan 2017 4:02

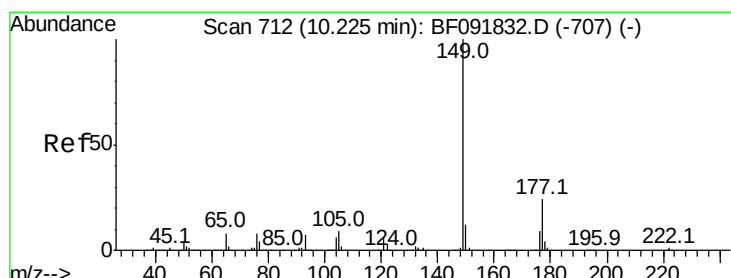
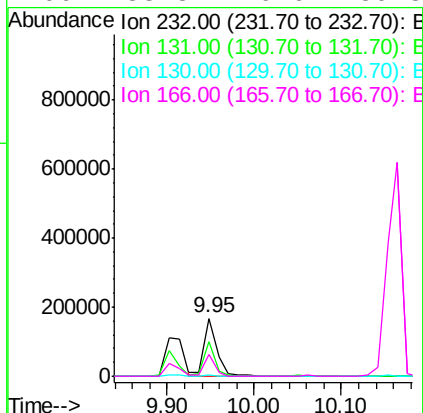
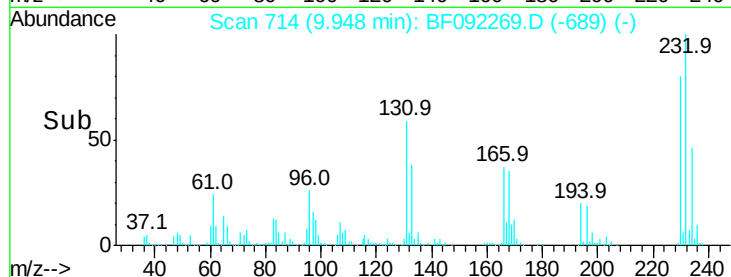
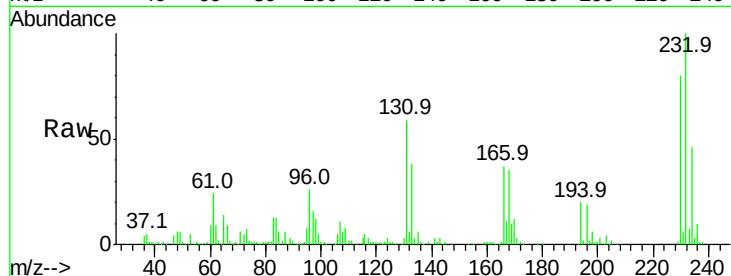
Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-01-0-2MSD

Tot Ion:	232	Resp:	170164
Ion Ratio	Lower	Upper	
232	100		
131	52.1	40.1	60.1
130	2.7	1.8	2.8
166	33.3	26.6	39.8

Manual Integrations
 APPROVED

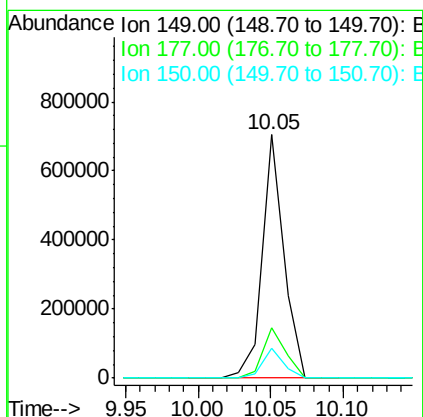
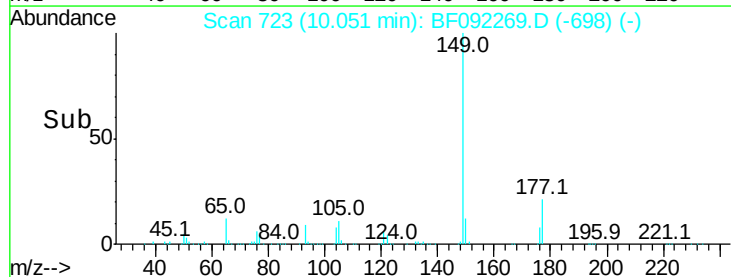
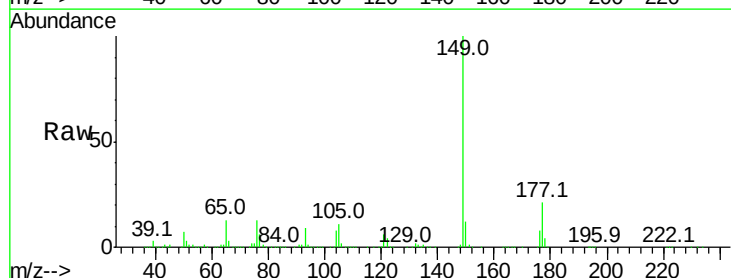
Sohil

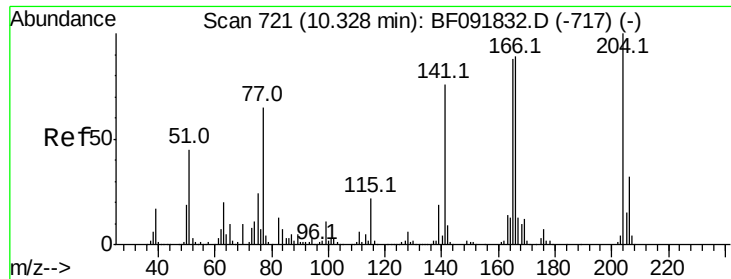
1/16/2017 8:39:28 AM



#59
 Diethylphthalate
 Concen: 36.61 ng
 RT: 10.05 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: BF092269.D
 Acq: 14 Jan 2017 4:02

Tgt Ion:	149	Resp:	726643
Ion Ratio	Lower	Upper	
149	100		
177	20.6	16.6	25.0
150	12.5	10.4	15.6





#60

4-Chlorophenyl-phenylether

Concen: 36.43 ng

RT: 10.15 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleId :

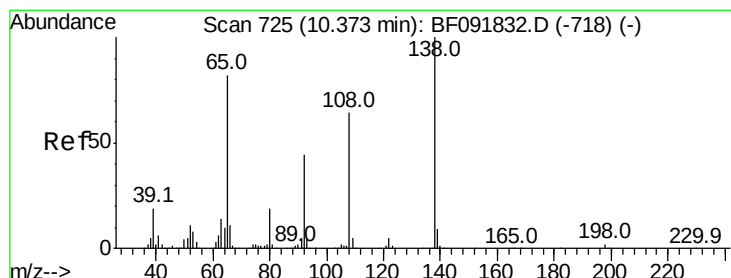
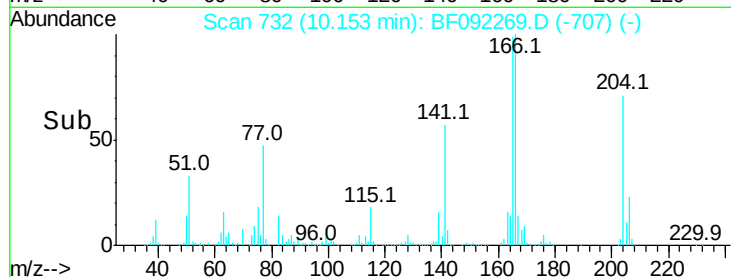
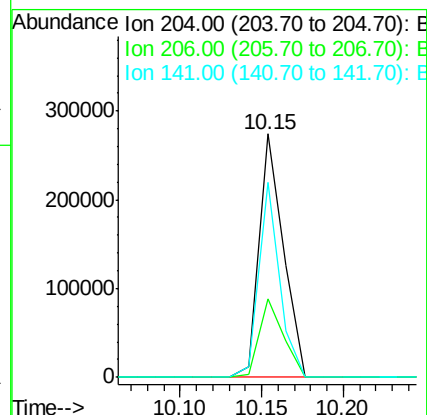
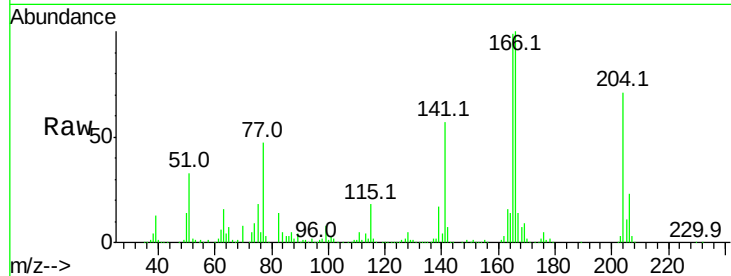
TOD-SB-01-0-2MSD

Tot Ion:	204	Resp:	283108
Ion Ratio	Lower	Upper	
204	100		
206	32.1	25.8	38.6
141	80.1	59.4	89.0

Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM



#61

4-Nitroaniline

Concen: 36.02 ng

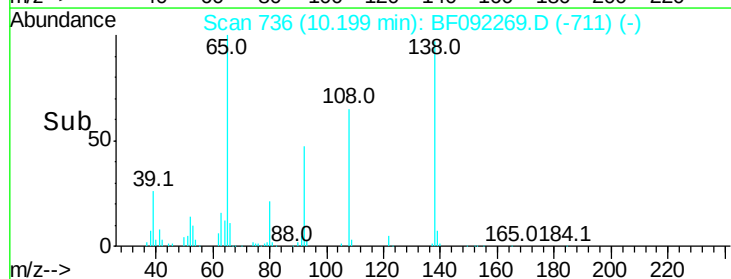
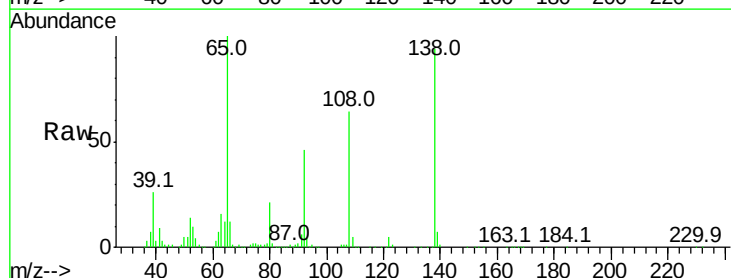
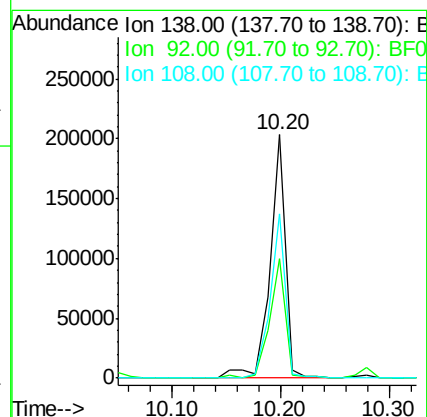
RT: 10.20 min Scan# 736

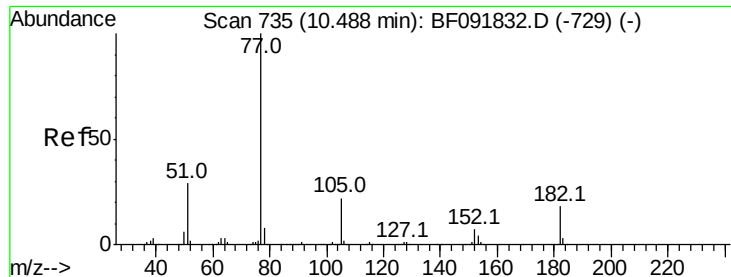
Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Tgt Ion:	138	Resp:	206632
Ion Ratio	Lower	Upper	
138	100		
92	49.0	31.7	71.7
108	67.4	52.6	92.6





#62

Azobenzene

Concen: 36.18 ng

RT: 10.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF092269.D

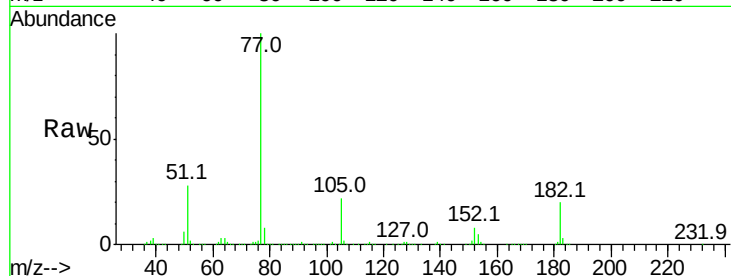
Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2MSD

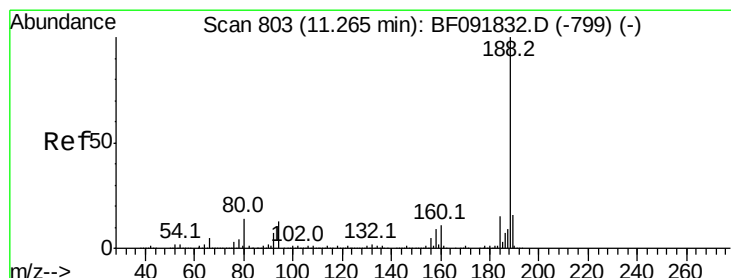
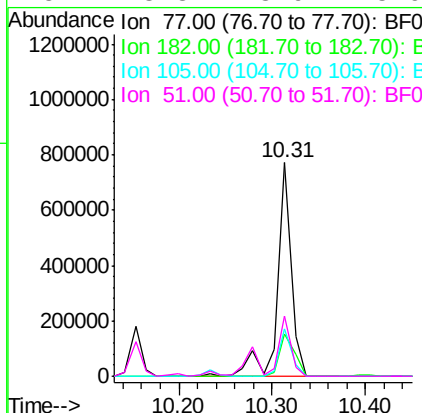
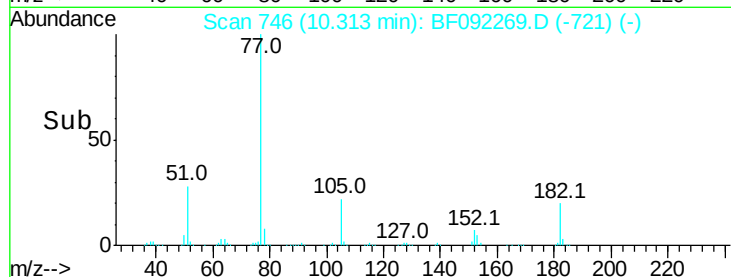


Tot Ion	Ratio	Lower	Upper
77	100		
182	19.7	0.0	39.3
105	22.0	2.3	42.3
51	28.3	8.9	48.9

Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM



#63

Phenanthrene-d10

Concen: 20.00 ng

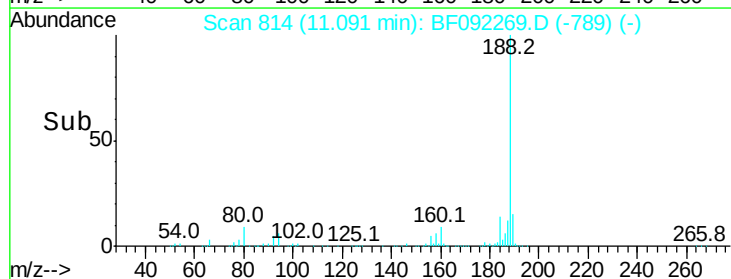
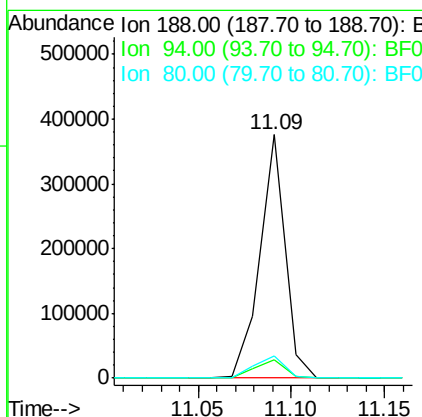
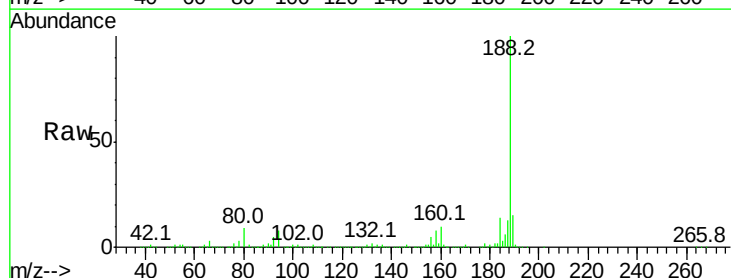
RT: 11.09 min Scan# 814

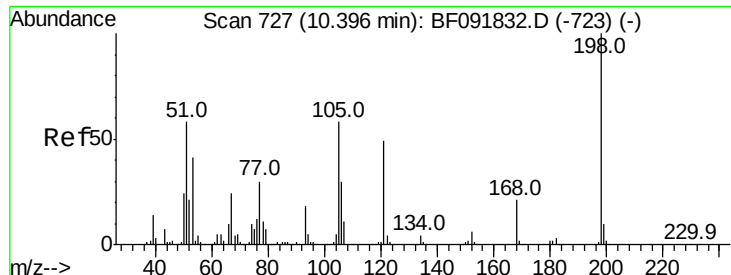
Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	10.0	15.0#
80	8.9	11.2	16.8#





#64
4,6-Dinitro-2-methylphenol
Concen: 19.21 ng
RT: 10.23 min Scan# 739
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

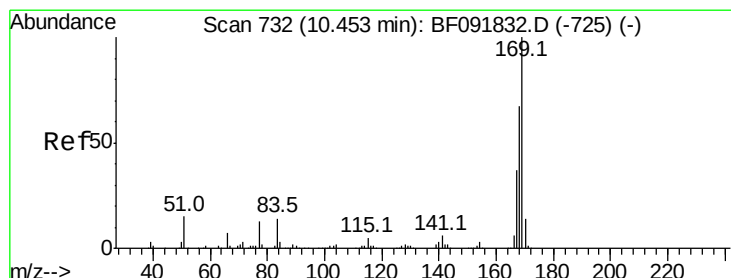
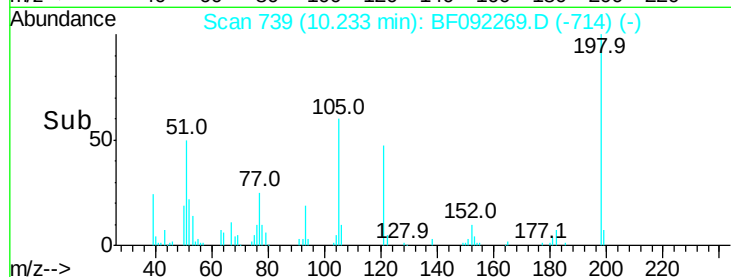
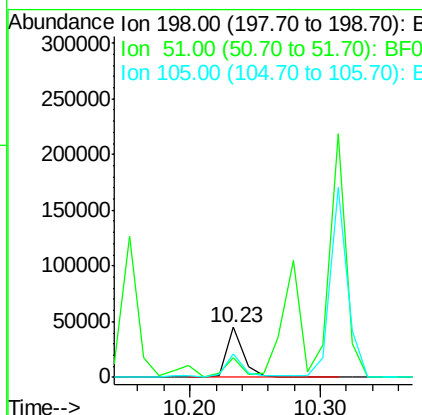
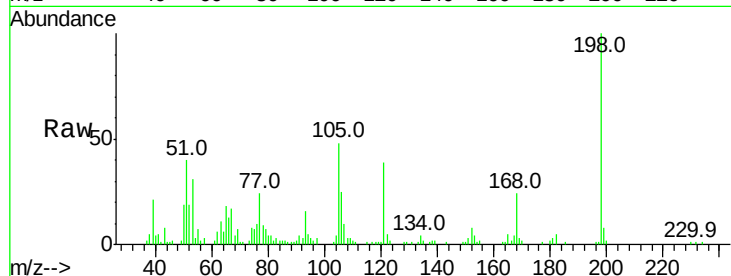
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	39.8	6.7	46.7
105	47.8	16.6	56.6

Manual Integrations
APPROVED

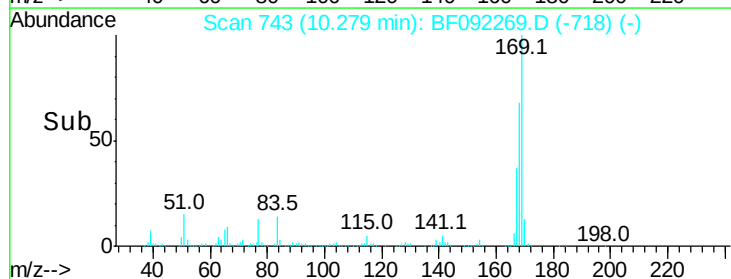
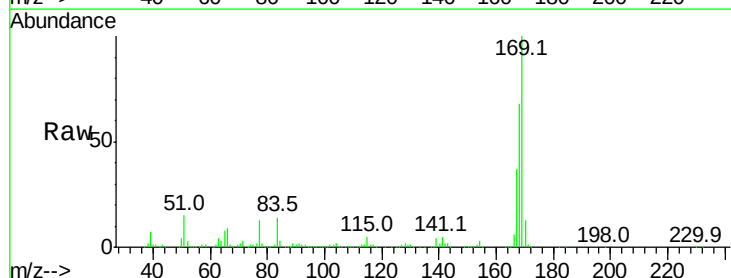
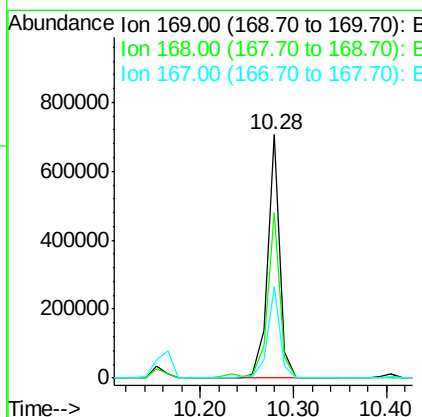
Sohil

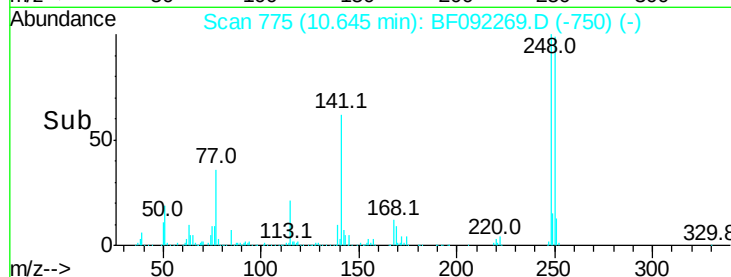
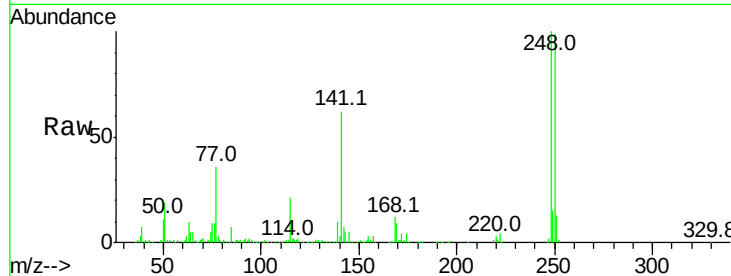
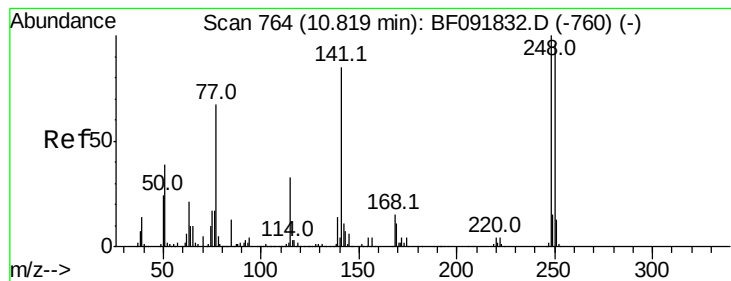
1/16/2017 8:39:28 AM



#65
n-Nitrosodiphenylamine
Concen: 61.94 ng
RT: 10.28 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.8	54.2	81.2
167	37.3	30.2	45.4





#66

4-Bromophenyl-phenylether

Concen: 52.76 ng

RT: 10.64 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleId :

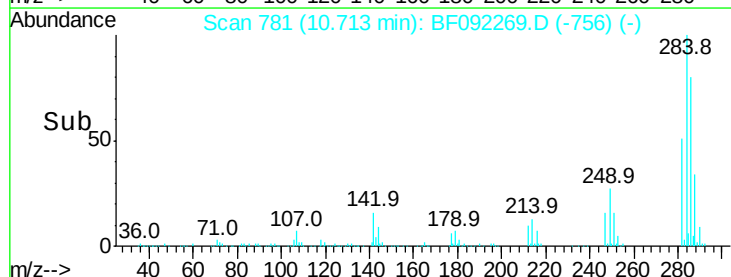
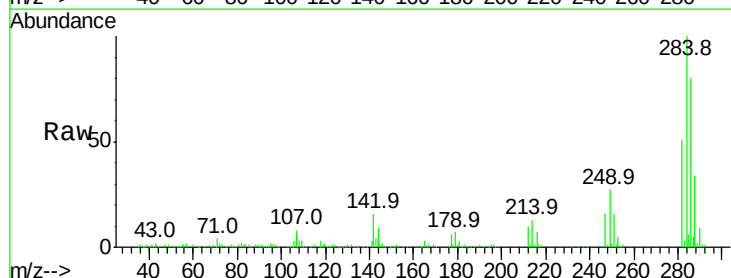
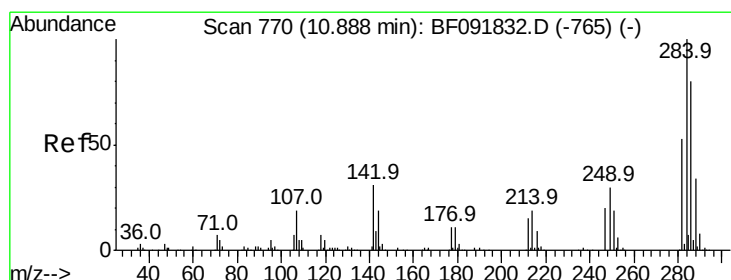
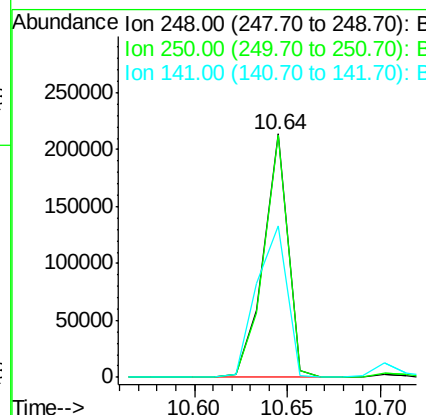
TOD-SB-01-0-2MSD

Tot Ion:	248	Resp:	192568
Ion Ratio	Lower	Upper	
248	100		
250	99.5	76.9	115.3
141	62.4	68.2	102.4#

Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM



#67

Hexachlorobenzene

Concen: 53.04 ng

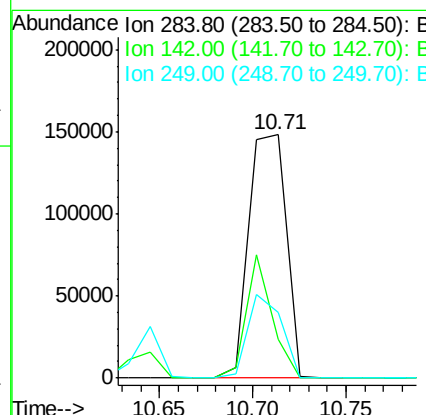
RT: 10.71 min Scan# 781

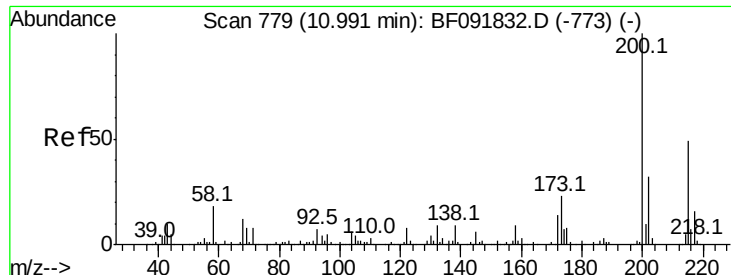
Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Tgt Ion:	284	Resp:	206920
Ion Ratio	Lower	Upper	
284	100		
142	15.9	22.6	33.8#
249	27.0	25.4	38.0





#68
Atrazine
Concen: 52.89 ng
RT: 10.82 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

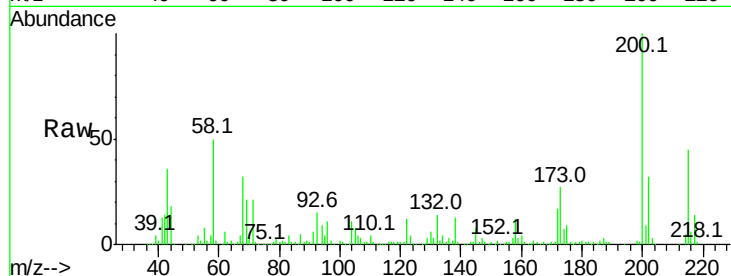
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	26.8	9.6	49.6
215	44.9	25.7	65.7

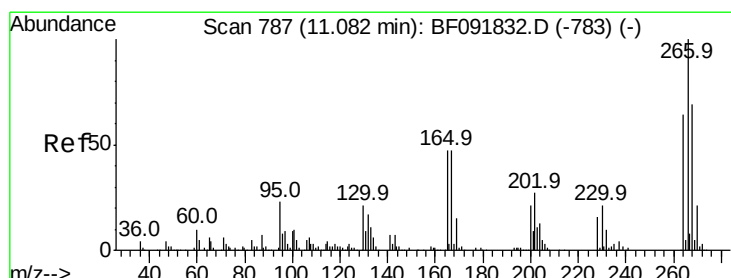
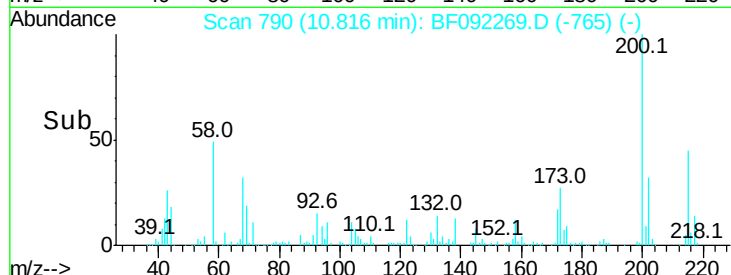
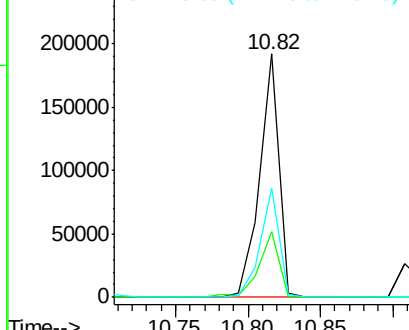
Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM



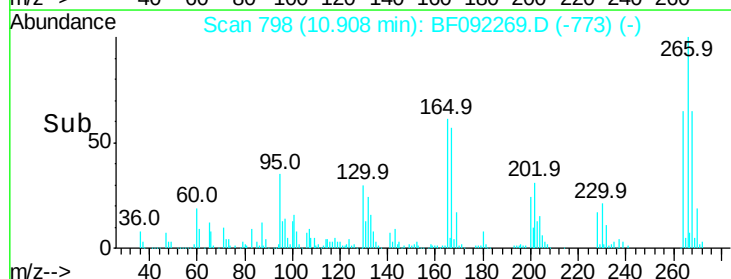
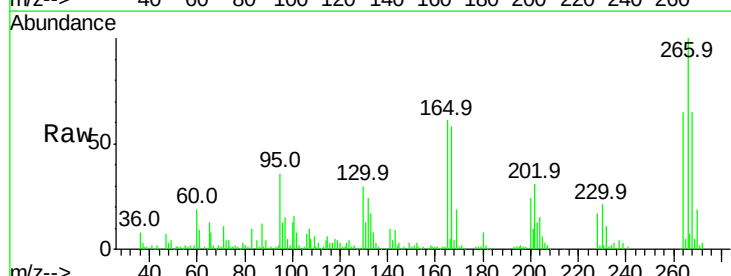
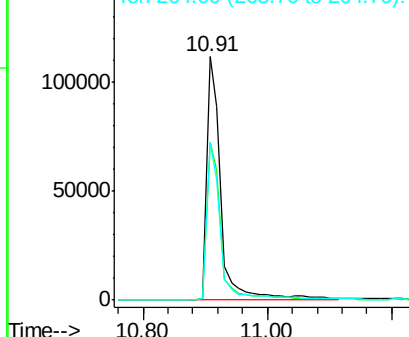
Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

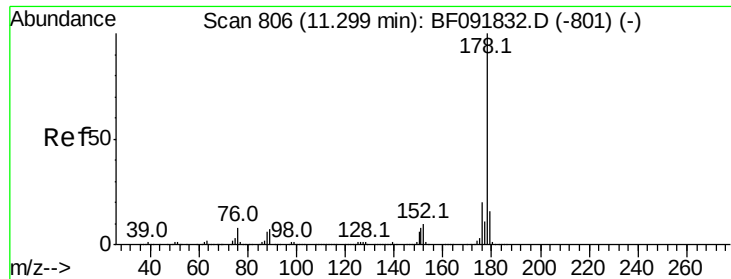


#69
Pentachlorophenol
Concen: 91.92 ng
RT: 10.91 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	64.9	53.3	79.9
264	64.6	50.3	75.5

Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#70
Phenanthrene
Concen: 55.09 ng
RT: 11.11 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

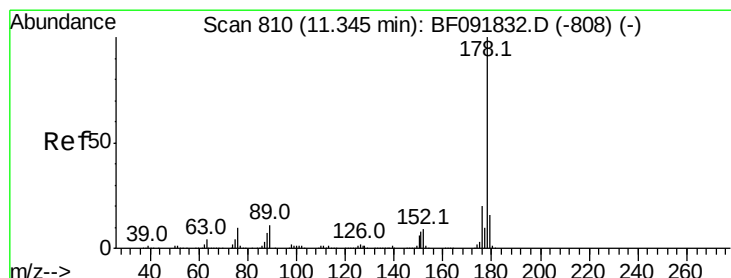
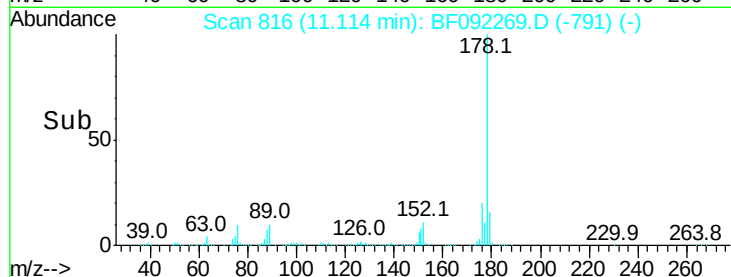
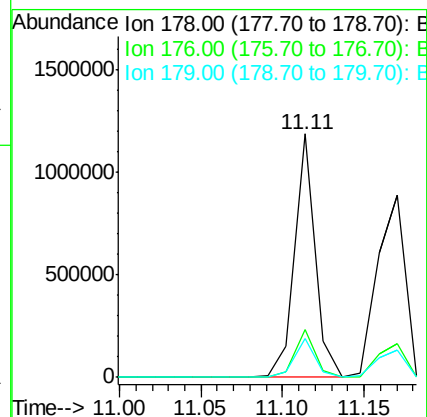
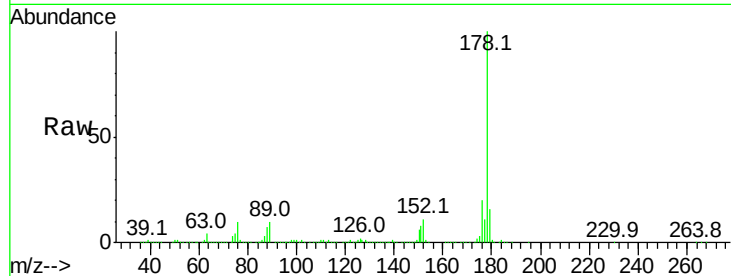
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion:178 Resp: 1048110
Ion Ratio Lower Upper
178 100
176 19.7 16.6 25.0
179 15.8 12.8 19.2

Manual Integrations
APPROVED

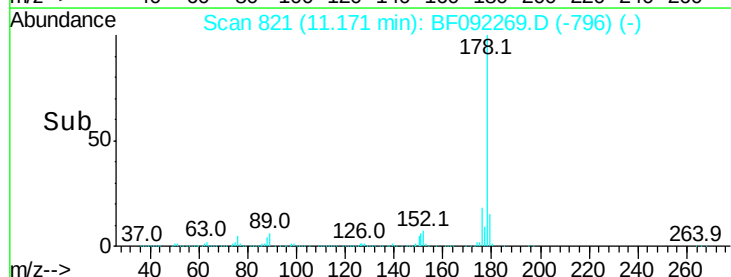
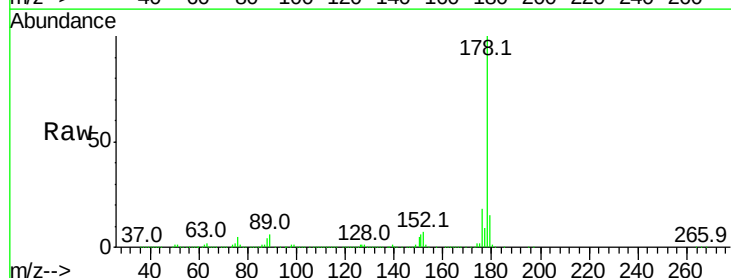
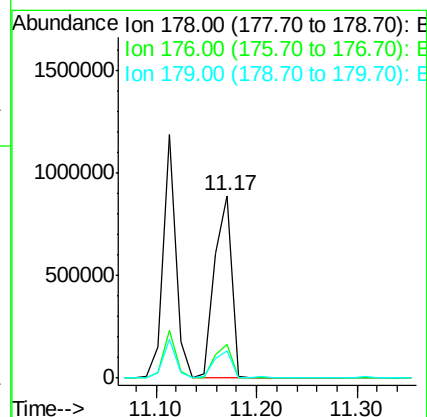
Sohil

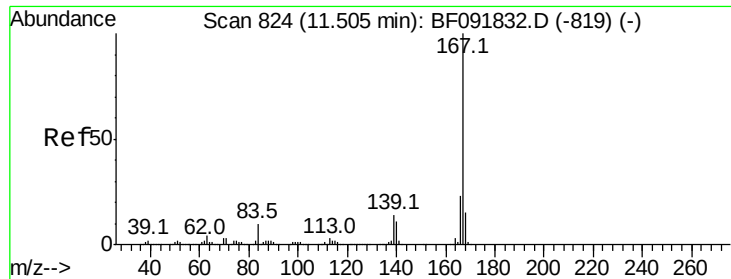
1/16/2017 8:39:28 AM



#71
Anthracene
Concen: Below Cal
RT: 11.17 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion:178 Resp: 1056037
Ion Ratio Lower Upper
178 100
176 18.4 15.9 23.9
179 15.2 13.2 19.8





#72
 Carbazole
 Concen: Below Cal
 RT: 11.33 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BF092269.D
 Acq: 14 Jan 2017 4:02

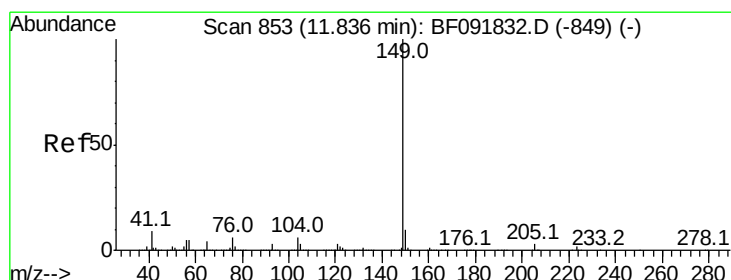
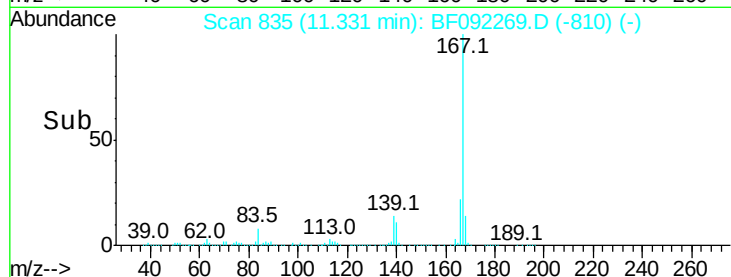
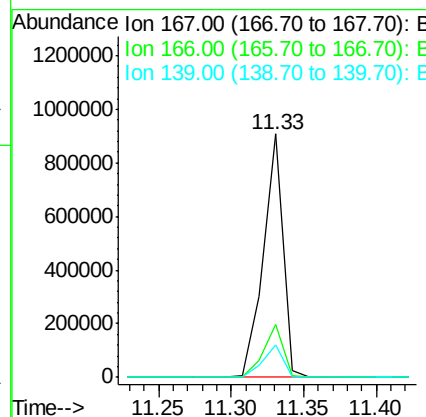
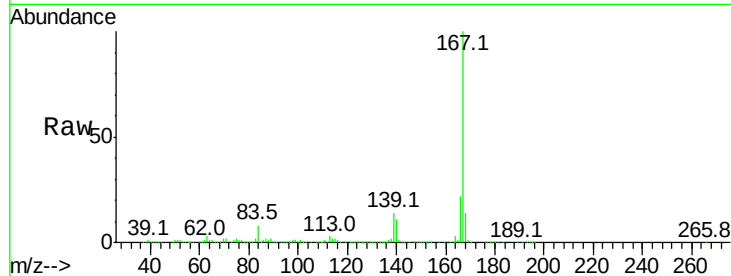
Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.2	27.2
139	13.6	11.4	17.2

Manual Integrations
 APPROVED

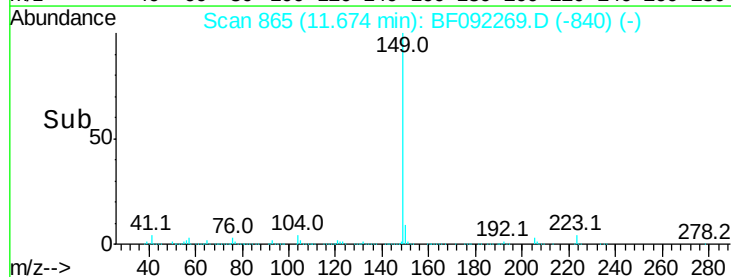
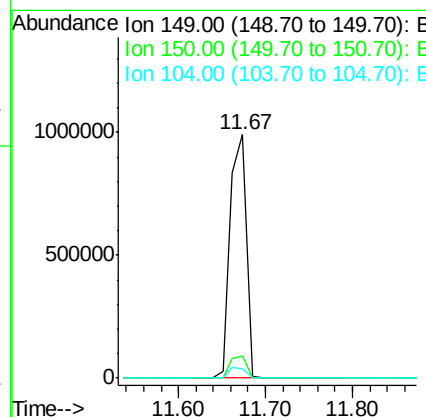
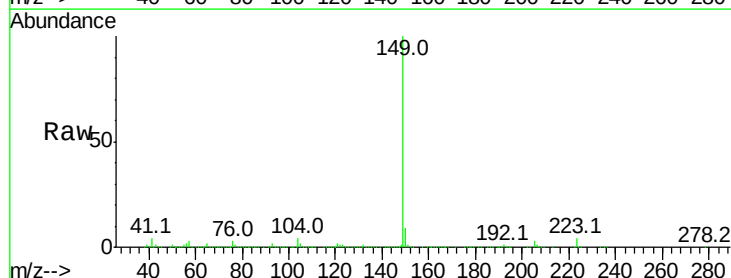
Sohil

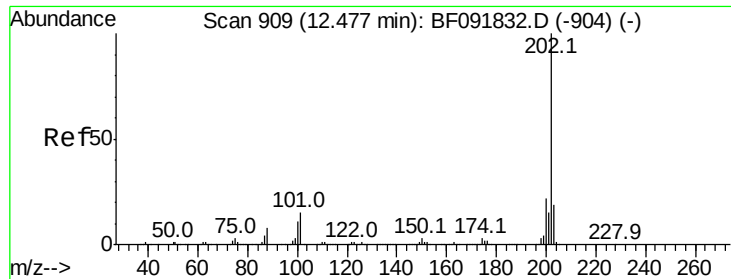
1/16/2017 8:39:28 AM



#73
 Di-n-butylphthalate
 Concen: 73.53 ng
 RT: 11.67 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: BF092269.D
 Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	8.1	12.1
104	3.6	4.6	7.0#





#74

Fluoranthene

Concen: 91.45 ng

RT: 12.30 min Scan# 920

Delta R.T. 0.00 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleId :

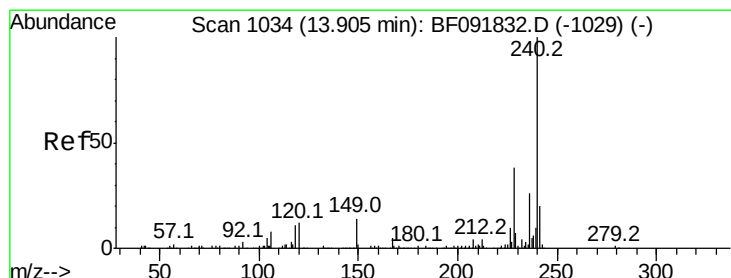
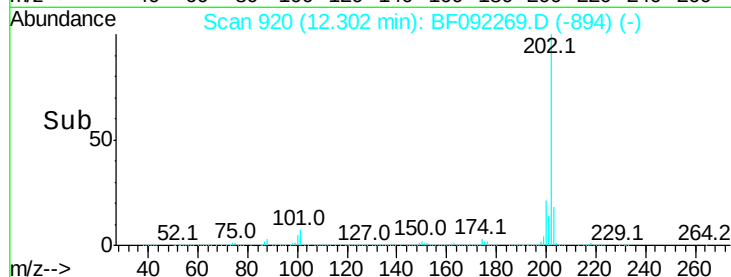
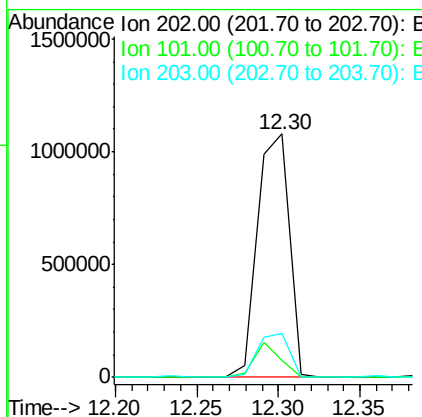
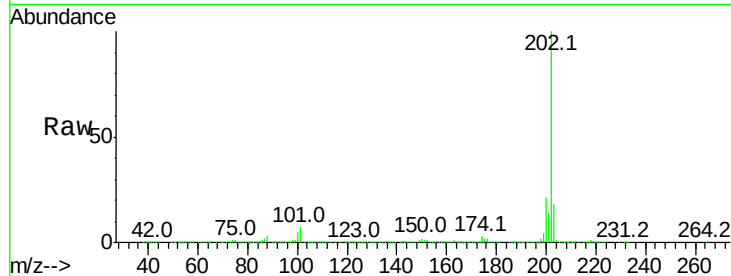
TOD-SB-01-0-2MSD

Tot Ion:	202	Resp:	1460567
Ion Ratio	Lower	Upper	
202	100		
101	7.1	0.0	34.6
203	17.9	0.0	38.7

Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM



#75

Chrysene-d12

Concen: 20.00 ng

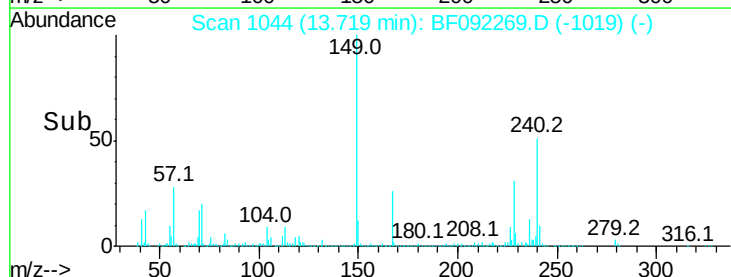
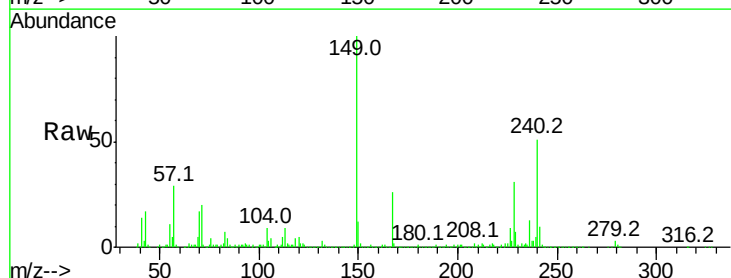
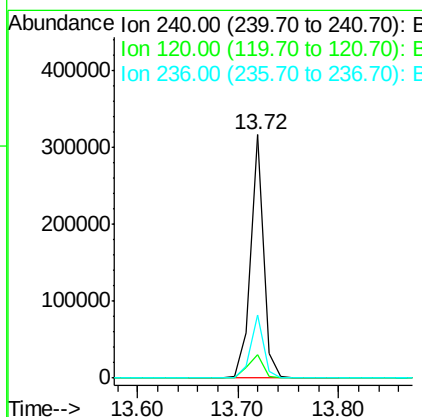
RT: 13.72 min Scan# 1044

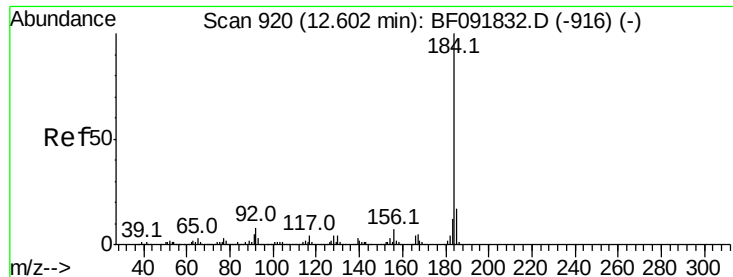
Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Tgt Ion:	240	Resp:	285761
Ion Ratio	Lower	Upper	
240	100		
120	9.6	12.9	19.3#
236	25.7	20.9	31.3





#76

Benzidine

Concen: 29.26 ng

RT: 12.43 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleId :

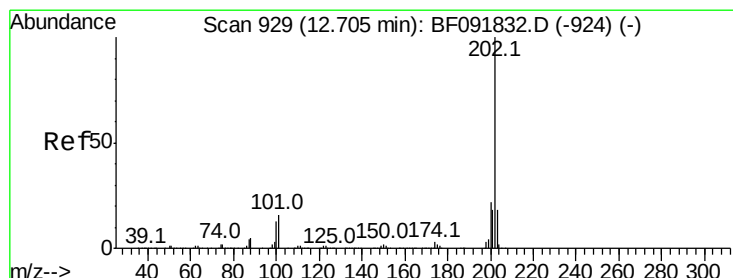
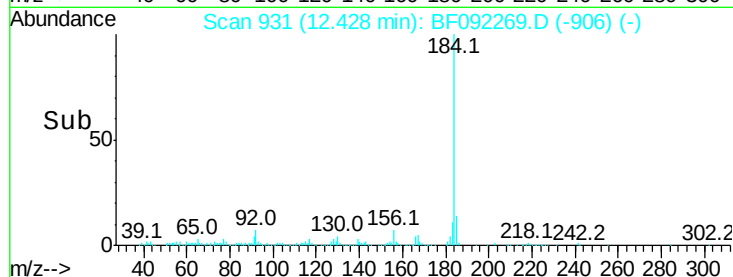
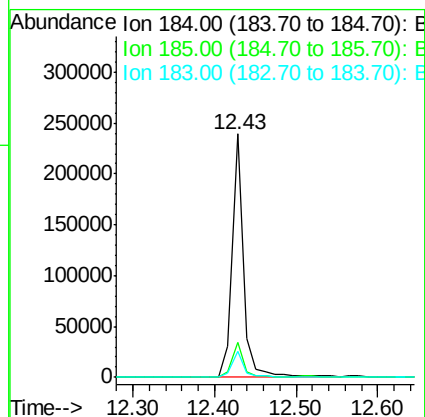
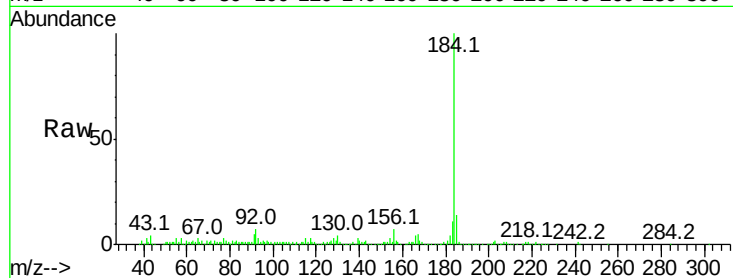
TOD-SB-01-0-2MSD

Tot Ion:	184	Resp:	232552
Ion Ratio	Lower	Upper	
184	100		
185	14.3	13.4	20.0
183	10.7	9.2	13.8

Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM



#77

Pyrene

Concen: 65.48 ng

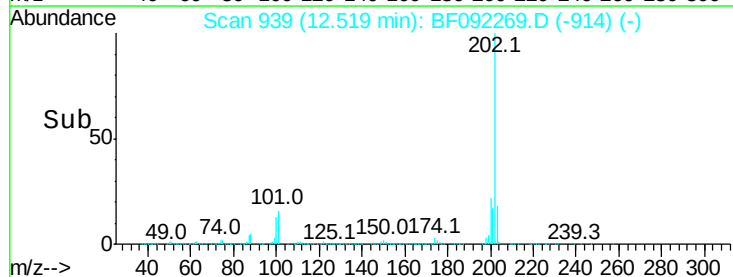
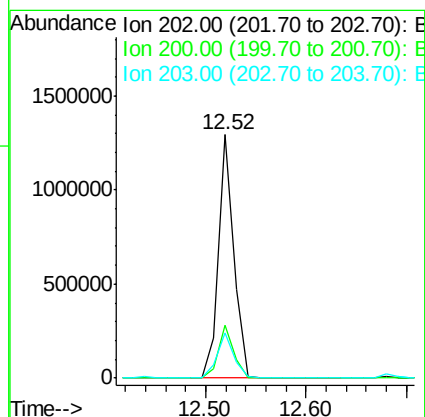
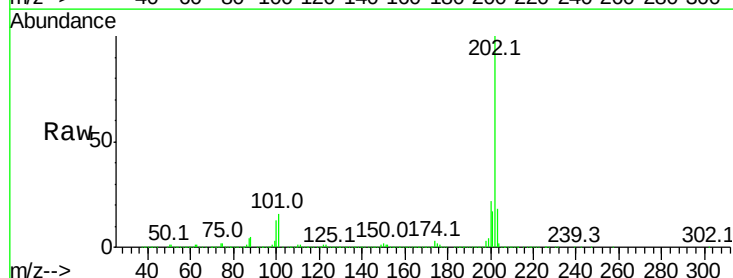
RT: 12.52 min Scan# 939

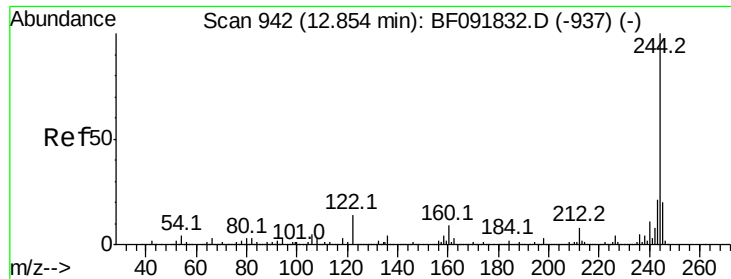
Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Tgt Ion:	202	Resp:	1372946
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.7	26.5
203	18.5	14.7	22.1





#78
 Terphenyl-d14
 Concen: 94.40 ng
 RT: 12.67 min Scan# 952
 Delta R.T. -0.02 min
 Lab File: BF092269.D
 Acq: 14 Jan 2017 4:02

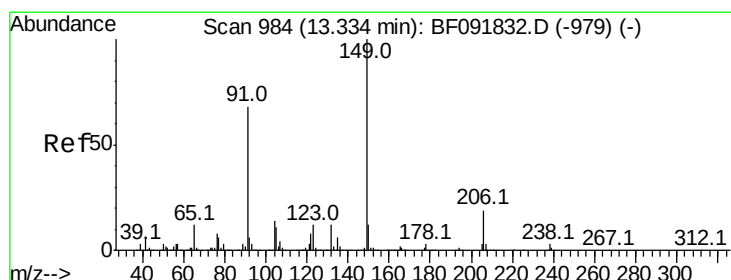
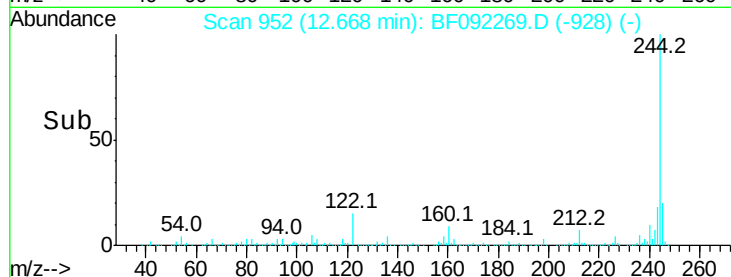
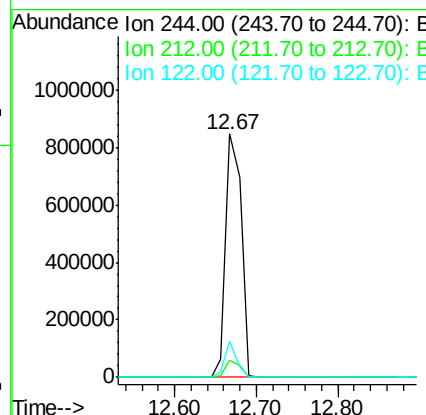
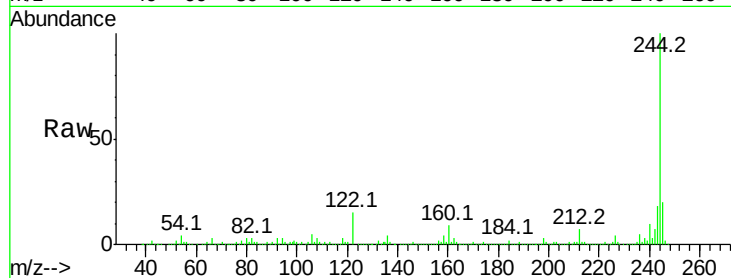
Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	15.1	11.4	17.2

Manual Integrations
 APPROVED

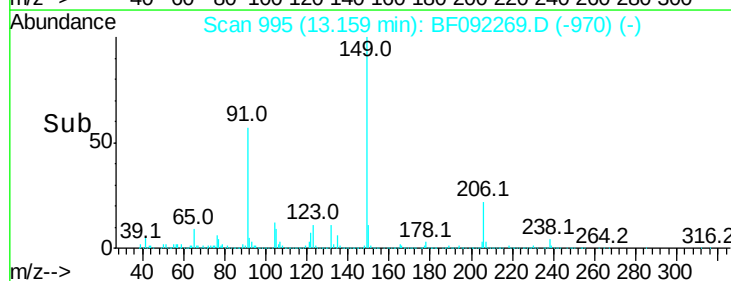
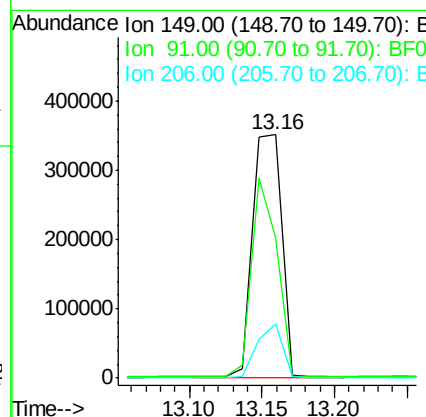
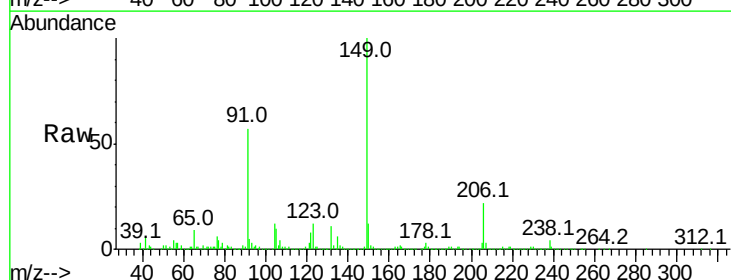
Sohil

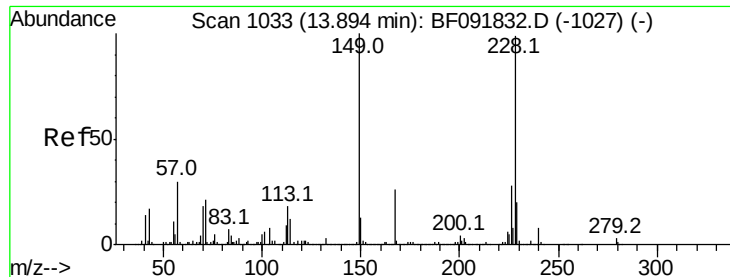
1/16/2017 8:39:28 AM



#79
 Butylbenzylphthalate
 Concen: 51.27 ng
 RT: 13.16 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: BF092269.D
 Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
149	100		
91	57.3	63.9	95.9#
206	22.4	14.6	21.8#





#80
Benzo(a)anthracene
Concen: 64.19 ng
RT: 13.71 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

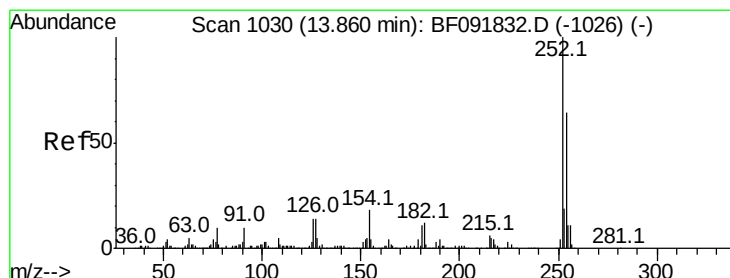
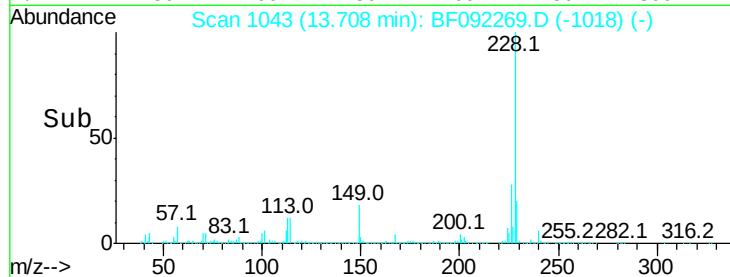
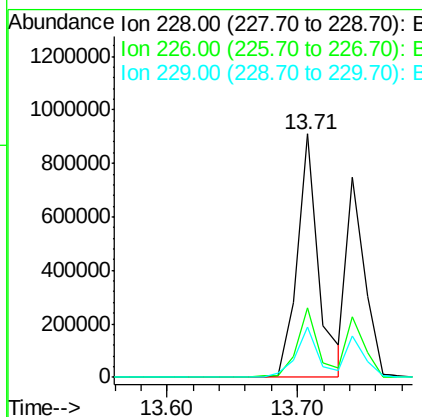
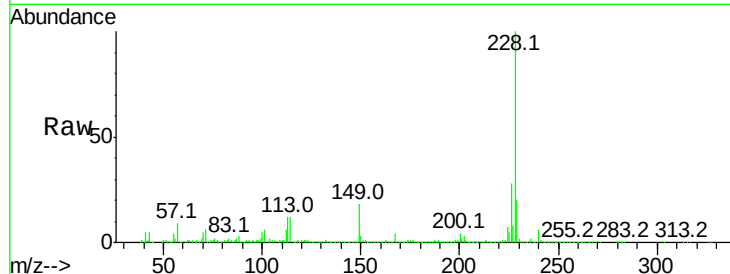
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion:228 Resp: 1035329
Ion Ratio Lower Upper
228 100
226 28.5 22.4 33.6
229 20.5 16.2 24.4

Manual Integrations
APPROVED

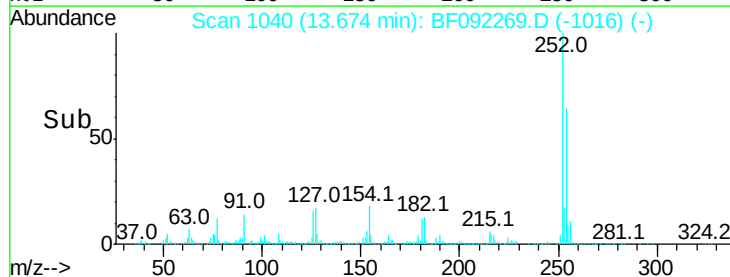
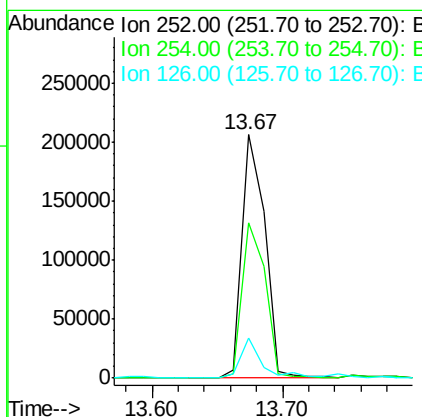
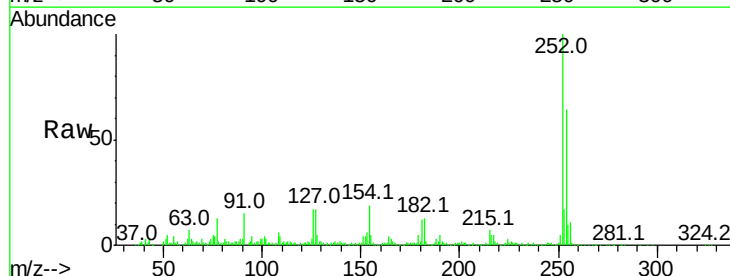
Sohil

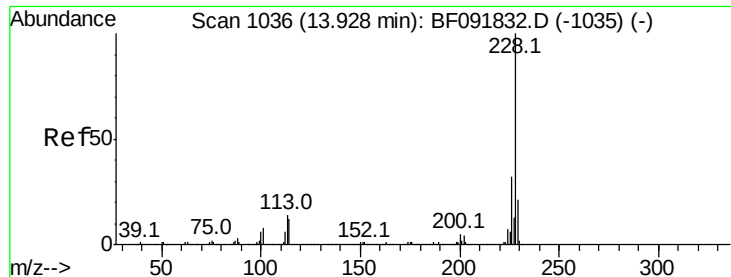
1/16/2017 8:39:28 AM



#81
3,3'-Dichlorobenzidine
Concen: 40.83 ng
RT: 13.67 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion:252 Resp: 249733
Ion Ratio Lower Upper
252 100
254 63.9 52.3 78.5
126 16.6 13.6 20.4





#82

Chrysene

Concen: 44.94 ng

RT: 13.74 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

Instrument :

BNA_F

ClientSampleId :

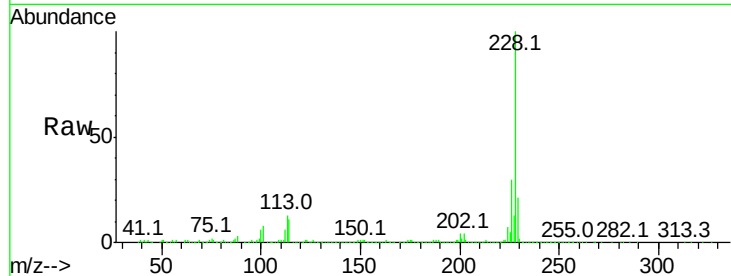
TOD-SB-01-0-2MSD

Tot Ion:	228	Resp:	727158
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.4	38.0
229	20.7	16.2	24.2

Manual Integrations
APPROVED

Sohil

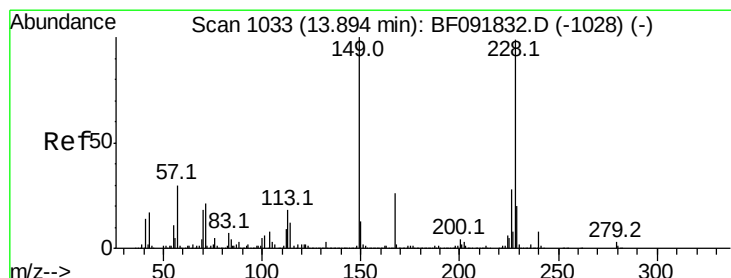
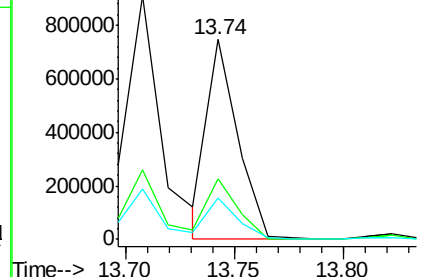
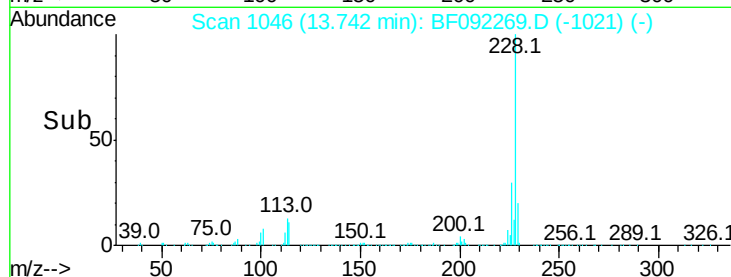
1/16/2017 8:39:28 AM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 51.88 ng

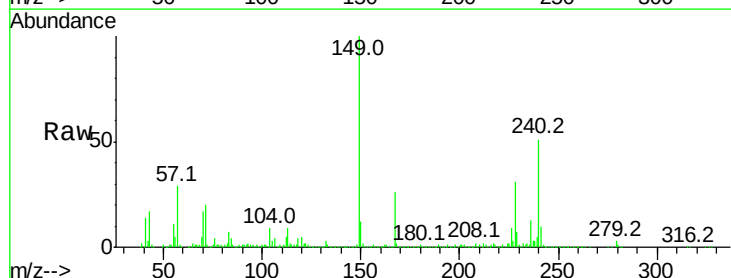
RT: 13.72 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF092269.D

Acq: 14 Jan 2017 4:02

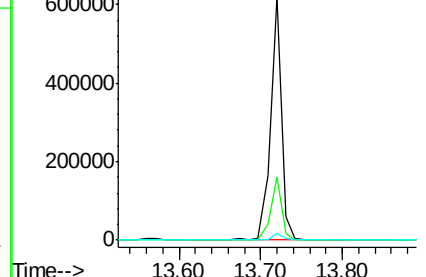
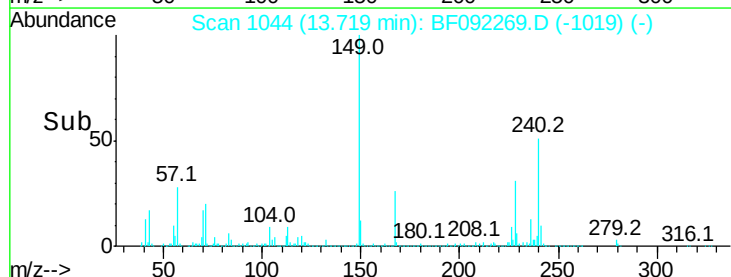
Tgt Ion:	149	Resp:	582576
Ion Ratio	Lower	Upper	
149	100		
167	26.0	20.2	30.4
279	2.8	1.8	2.8#

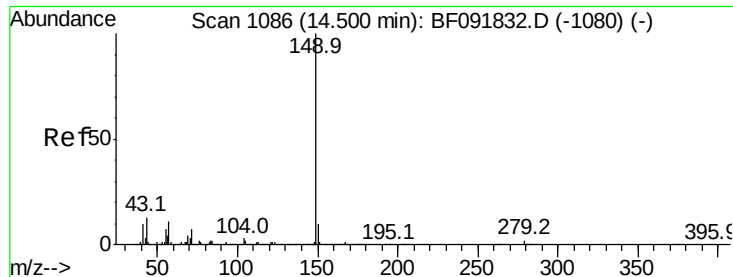


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84
Di-n-octyl phthalate
Concen: 53.71 ng
RT: 14.33 min Scan# 1097
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

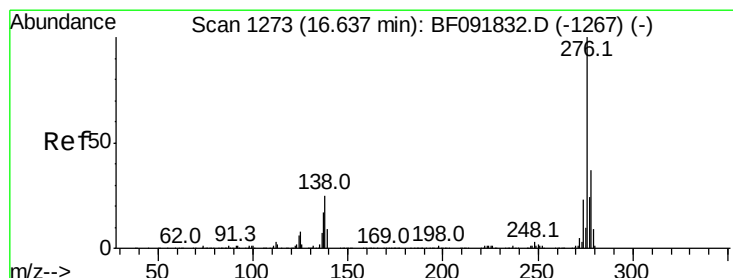
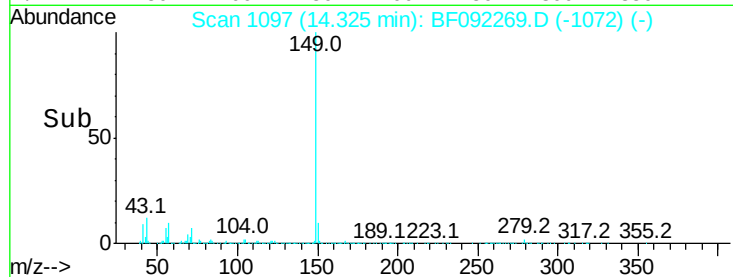
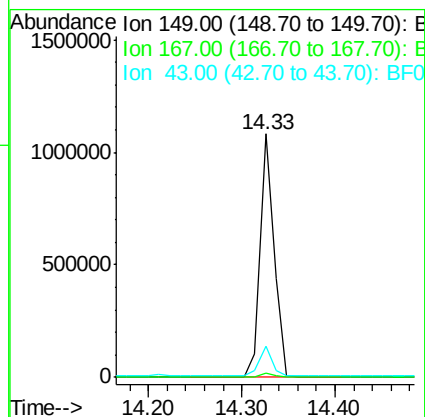
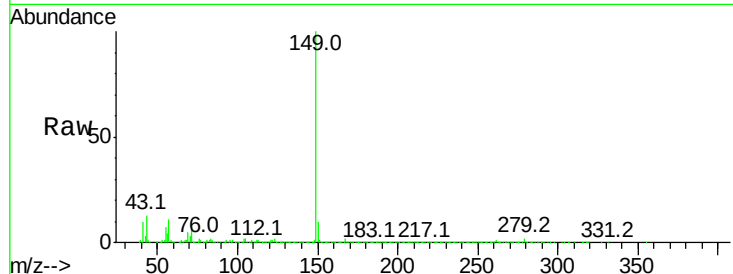
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	12.2	8.9	13.3

Manual Integrations
APPROVED

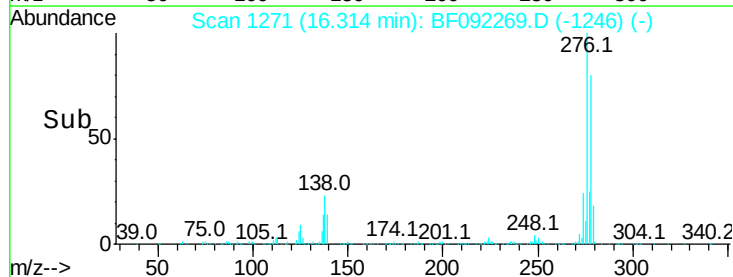
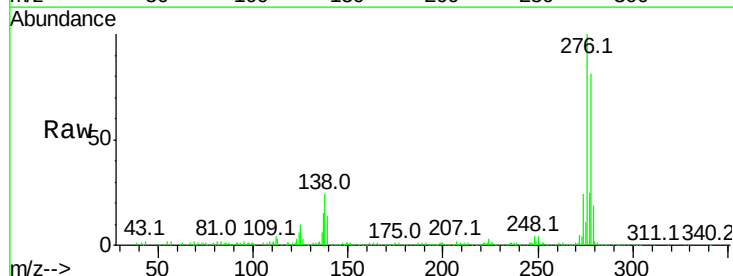
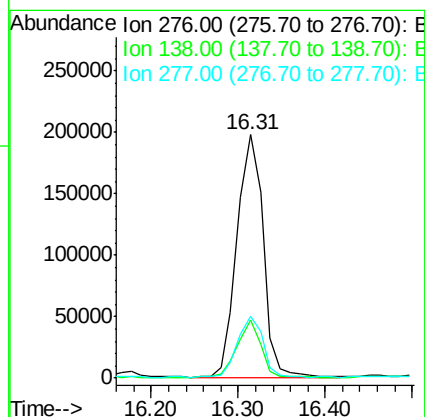
Sohil

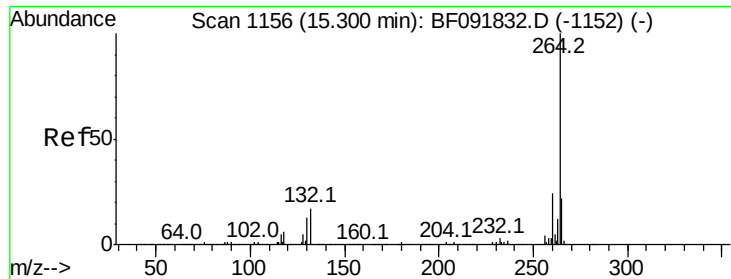
1/16/2017 8:39:28 AM



#85
Indeno(1,2,3-cd)pyrene
Concen: 29.47 ng
RT: 16.31 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	21.8	32.6#
277	24.7	20.2	30.4





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1162
Delta R.T. -0.02 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

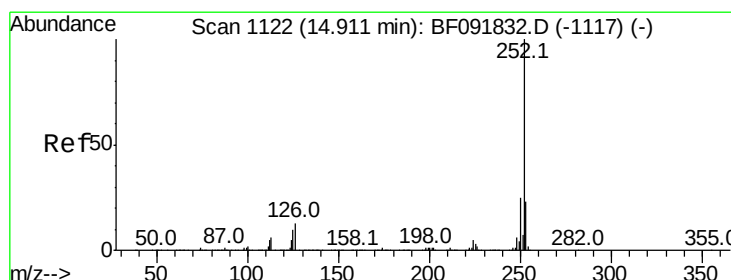
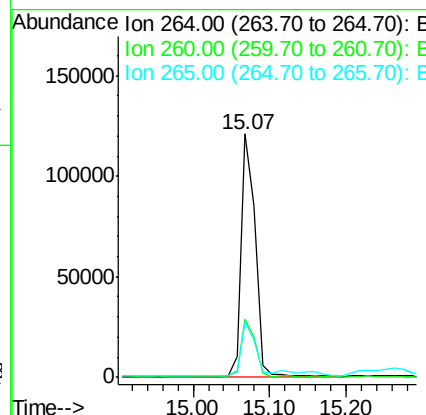
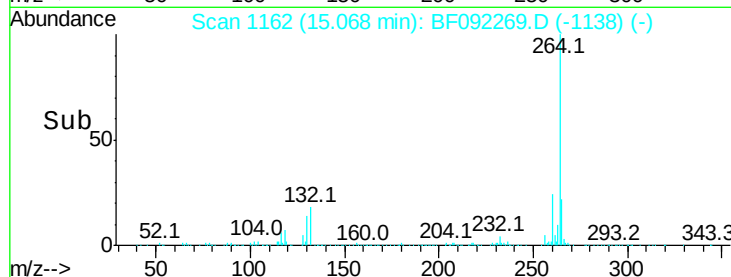
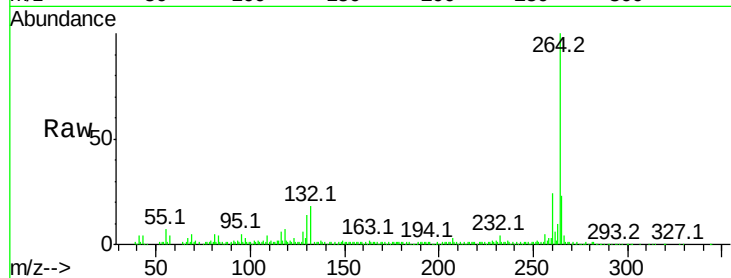
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.7	17.4	26.0

Manual Integrations
APPROVED

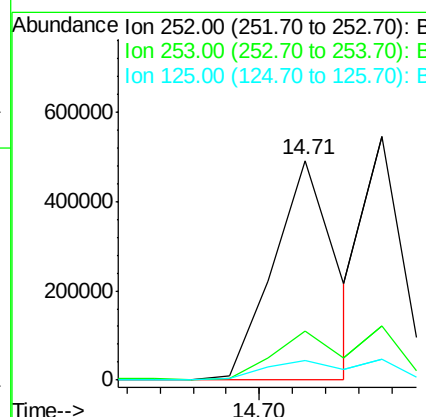
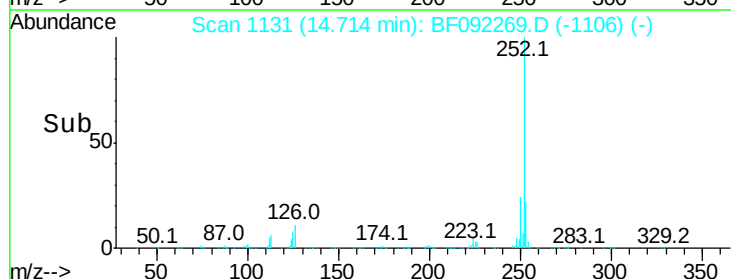
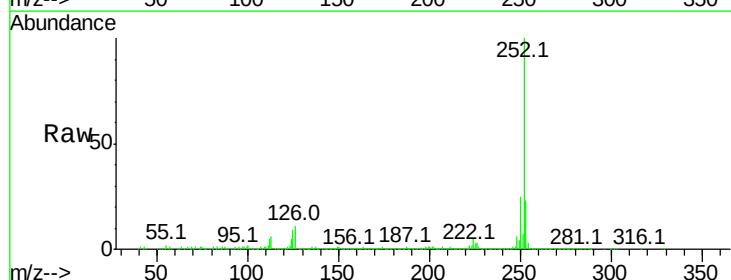
Sohil

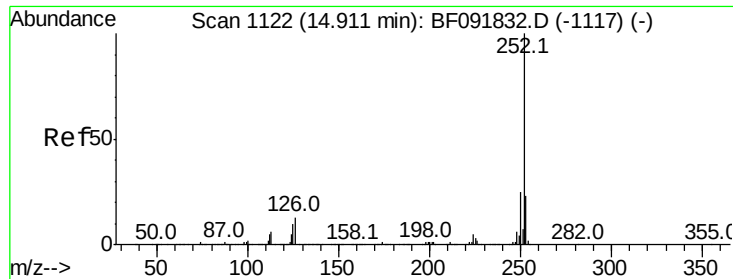
1/16/2017 8:39:28 AM



#87
Benzo(b)fluoranthene
Concen: 64.49 ng m
RT: 14.71 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	8.8	9.8	14.6





#88
Benzo(k)fluoranthene
Concen: 49.95 ng m
RT: 14.74 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

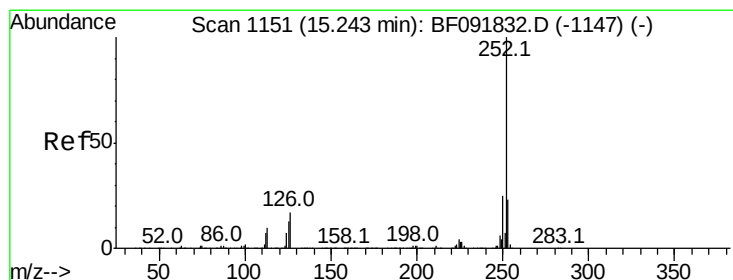
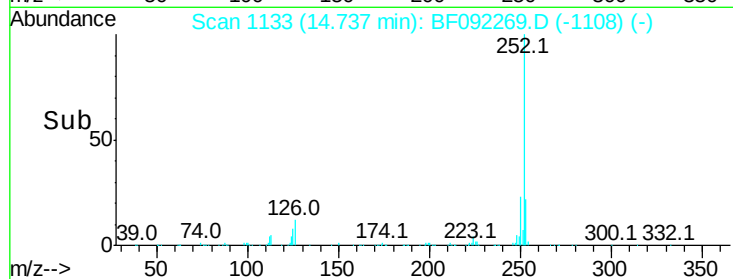
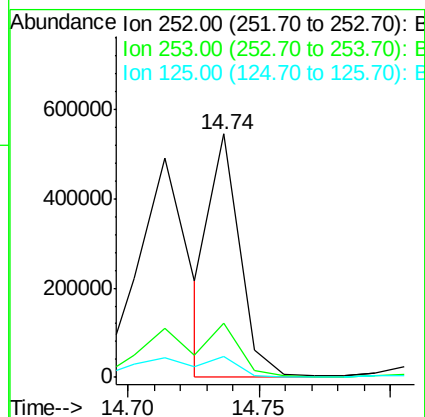
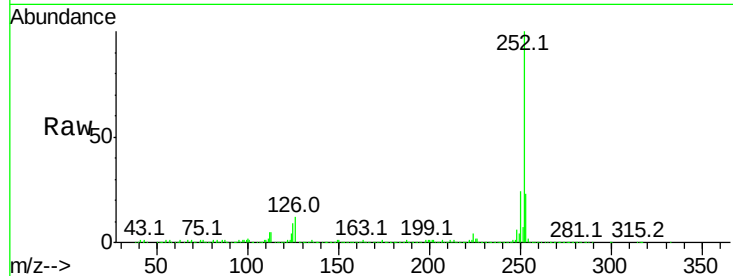
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	8.7	8.9	13.3

Manual Integrations
APPROVED

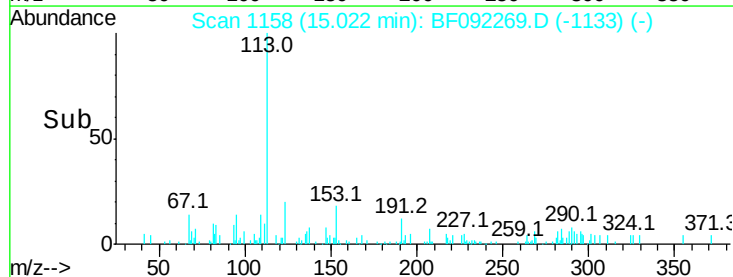
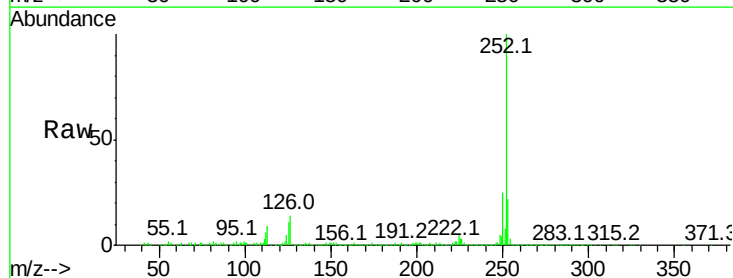
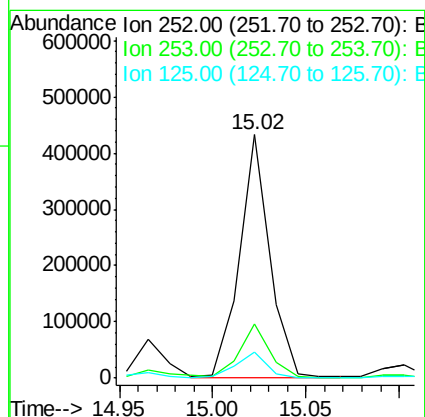
Sohil

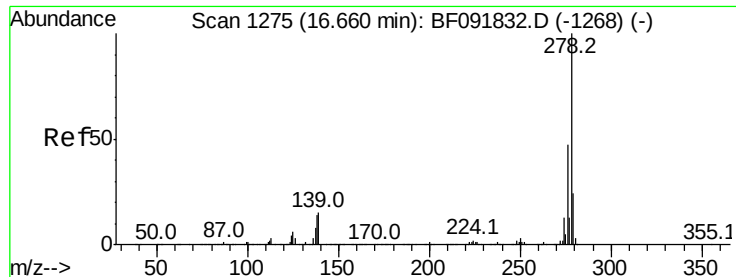
1/16/2017 8:39:28 AM



#89
Benzo(a)pyrene
Concen: 55.11 ng
RT: 15.02 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	10.5	10.0	15.0





#90
Dibenzo(a,h)anthracene
Concen: 45.45 ng
RT: 16.33 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

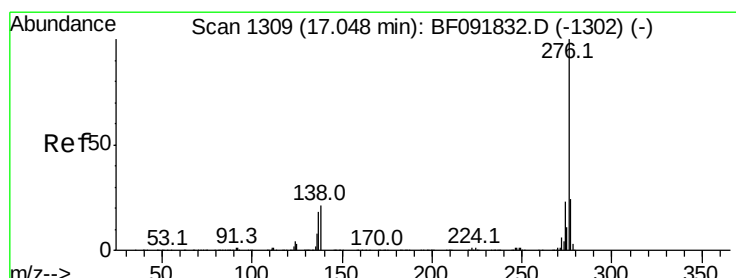
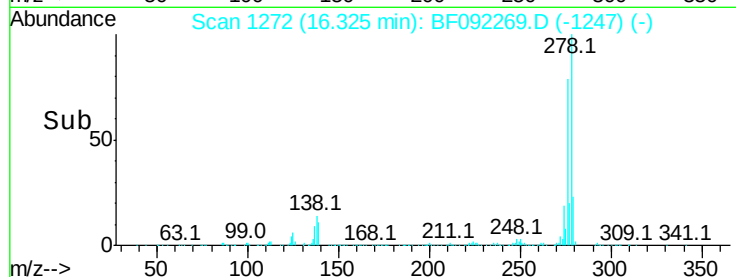
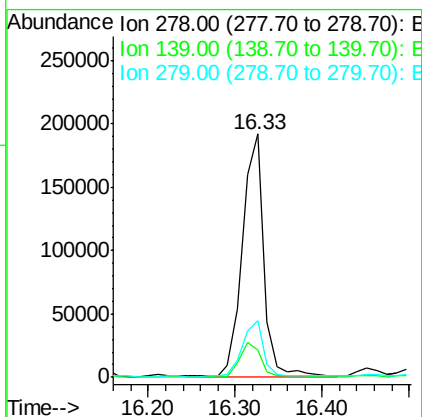
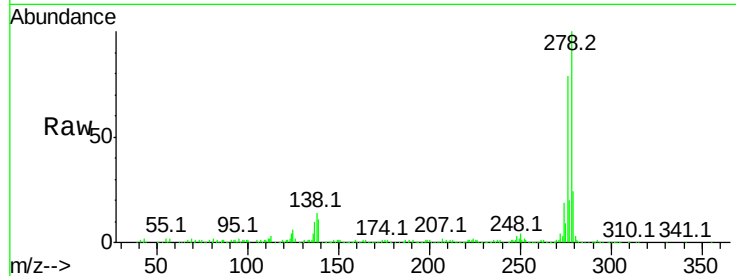
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.0	14.8	22.2#
279	23.5	19.8	29.6

Manual Integrations
APPROVED

Sohil

1/16/2017 8:39:28 AM



#91
Benzo(g,h,i)perylene
Concen: 44.21 ng
RT: 16.68 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF092269.D
Acq: 14 Jan 2017 4:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	18.1	16.0	24.0

