

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100516\
 Data File : BF090411.D
 Acq On : 6 Oct 2016 5:44
 Operator : UM/SJ
 Sample : H5085-05MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

Manual Integrations
 APPROVED

SOHIL
 10/6/2016 5:27:55 PM

Quant Time: Oct 06 06:55:32 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	222946	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	965247	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	469913	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	770421	20.00	ng	0.00
75) Chrysene-d12	14.20	240	573339	20.00	ng	0.00
86) Perylene-d12	15.70	264	361441	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	1960478	131.24	ng	0.02
7) Phenol-d6	6.63	99	2445117	124.97	ng	0.01
23) Nitrobenzene-d5	7.57	82	1888018	95.15	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	752847	197.03	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	3003098	106.48	ng	0.00
78) Terphenyl-d14	13.14	244	2808988	110.15	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.91	88	298473m	40.53	ng	
3) Pyridine	3.62	79	640176m	31.18	ng	
4) n-Nitrosodimethylamine	3.56	42	383169	45.22	ng	# 63
6) Aniline	6.67	93	264985	9.81	ng	98
8) 2-Chlorophenol	6.79	128	801966	48.78	ng	92
9) Benzaldehyde	6.55	77	213640	21.60	ng	97
10) Phenol	6.65	94	1096932	48.22	ng	93
11) bis(2-Chloroethyl)ether	6.74	93	798324	45.84	ng	90
12) 1,3-Dichlorobenzene	6.94	146	731985m	44.67	ng	
13) 1,4-Dichlorobenzene	7.02	146	844923	50.77	ng	98
14) 1,2-Dichlorobenzene	7.17	146	715553	44.62	ng	93
15) Benzyl Alcohol	7.14	79	684879	46.05	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.29	45	1374908	46.55	ng	91
17) 2-Methylphenol	7.25	107	655942	48.52	ng	98
18) Hexachloroethane	7.53	117	307545	46.87	ng	# 85
19) n-Nitroso-di-n-propylamine	7.42	70	735333	51.25	ng	# 81
20) 3+4-Methylphenols	7.41	107	865674	49.47	ng	# 69
22) Acetophenone	7.41	105	1093870	47.85	ng	# 97
24) Nitrobenzene	7.58	77	877339	44.54	ng	96
25) Isophorone	7.82	82	1719218	47.39	ng	96
26) 2-Nitrophenol	7.90	139	403064	47.54	ng	# 78
27) 2,4-Dimethylphenol	7.94	122	717406	43.51	ng	95
28) bis(2-Chloroethoxy)methane	8.04	93	1090054	50.80	ng	98
29) 2,4-Dichlorophenol	8.14	162	575275	45.89	ng	87
30) 1,2,4-Trichlorobenzene	8.23	180	662309	51.26	ng	97
31) Naphthalene	8.31	128	2291209	49.20	ng	99
32) Benzoic acid	8.05	122	517857	45.17	ng	93
33) 4-Chloroaniline	8.37	127	58919	3.06	ng	98
34) Hexachlorobutadiene	8.44	225	332172	46.01	ng	96
35) Caprolactam	8.73	113	176192m	41.80	ng	
36) 4-Chloro-3-methylphenol	8.84	107	712081	45.36	ng	98
37) 2-Methylnaphthalene	9.01	142	1561560	55.40	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	593865	47.93	ng	# 97
40) Hexachlorocyclopentadiene	9.16	237	755544	111.26	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.29	196	441641m	51.66	nq	
43) 2,4,5-Trichlorophenol	9.33	196	467682m	57.85	nq	
45) 1,1'-Biphenyl	9.47	154	1652200	47.45	nq	93
46) 2-Chloronaphthalene	9.50	162	1423887	55.34	nq	95
47) 2-Nitroaniline	9.59	65	535197	52.72	nq	# 81
48) Acenaphthylene	9.91	152	1962917	46.24	nq	99
49) Dimethylphthalate	9.78	163	1689208	56.13	nq	99
50) 2,6-Dinitrotoluene	9.83	165	395624	59.21	nq	# 83
51) Acenaphthene	10.09	154	1479259	55.89	nq	99
52) 3-Nitroaniline	9.99	138	80490	10.31	nq	85
53) 2,4-Dinitrophenol	10.11	184	437629	146.91	nq	# 90
54) Dibenzofuran	10.26	168	1845931	53.88	nq	# 91
55) 4-Nitrophenol	10.17	139	715294	104.74	nq	# 79
56) 2,4-Dinitrotoluene	10.23	165	467876	52.62	nq	# 22
57) Fluorene	10.60	166	1521600	52.85	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.38	232	362366m	60.02	nq	
59) Diethylphthalate	10.47	149	1568624	50.38	nq	93
60) 4-Chlorophenyl-phenylether	10.60	204	768231	58.68	nq	# 86
61) 4-Nitroaniline	10.61	138	272294	34.62	nq	94
62) Azobenzene	10.76	77	2094794	58.24	nq	87
64) 4,6-Dinitro-2-methylphenol	10.65	198	257169	49.28	nq	# 74
65) n-Nitrosodiphenylamine	10.71	169	996167	38.59	nq	98
66) 4-Bromophenyl-phenylether	11.09	248	458880	60.76	nq	# 88
67) Hexachlorobenzene	11.16	284	469412	55.81	nq	# 87
68) Atrazine	11.24	200	155963	24.50	nq	96
69) Pentachlorophenol	11.34	266	558904	111.64	nq	99
70) Phenanthrene	11.57	178	2222038	56.33	nq	100
71) Anthracene	11.62	178	2164107	53.72	nq	98
72) Carbazole	11.77	167	1257557	33.60	nq	98
73) Di-n-butylphthalate	12.11	149	2655317	58.29	nq	98
74) Fluoranthene	12.76	202	1973634	51.00	nq	98
77) Pyrene	12.99	202	2002195	52.37	nq	100
79) Butylbenzylphthalate	13.61	149	1031384	52.58	nq	# 71
80) Benzo(a)anthracene	14.19	228	1886800	58.65	nq	99
81) 3,3'-Dichlorobenzidine	14.14	252	33294	2.85	nq	# 96
82) Chrysene	14.22	228	1739394	58.75	nq	99
83) Bis(2-ethylhexyl)phthalate	14.18	149	1593147	57.14	nq	# 97
84) Di-n-octyl phthalate	14.80	149	2376554	57.49	nq	# 91
85) Indeno(1,2,3-cd)pyrene	17.22	276	1321050	62.59	nq	# 93
87) Benzo(b)fluoranthene	15.25	252	1625151	70.59	nq	# 94
88) Benzo(k)fluoranthene	15.29	252	1126228m	52.08	nq	
89) Benzo(a)pyrene	15.63	252	1260480	63.52	nq	# 94
90) Dibenzo(a,h)anthracene	17.24	278	1154174	68.36	nq	# 95
91) Benzo(g,h,i)perylene	17.69	276	1035899	63.94	nq	99

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

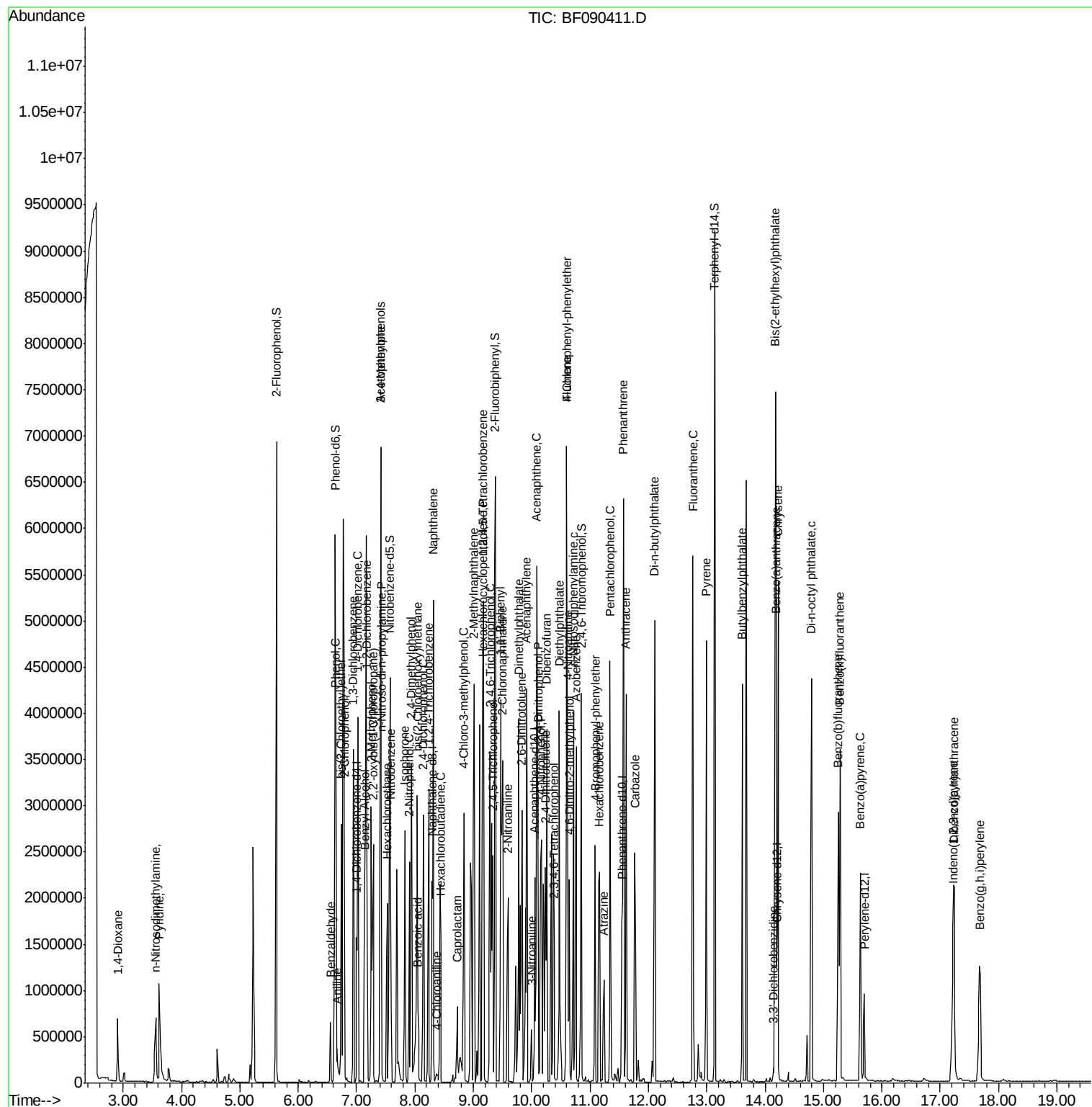
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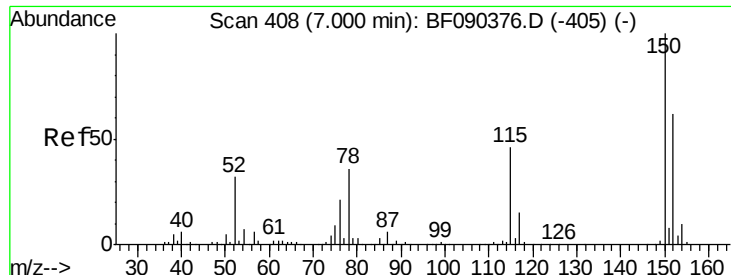
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

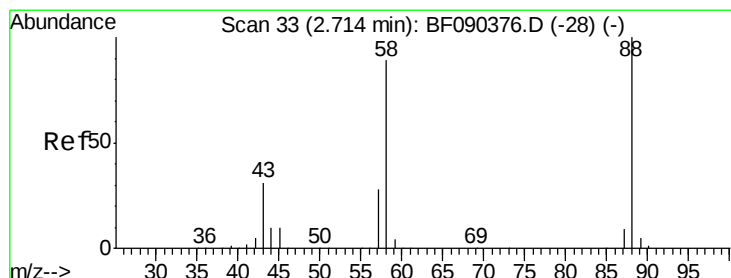
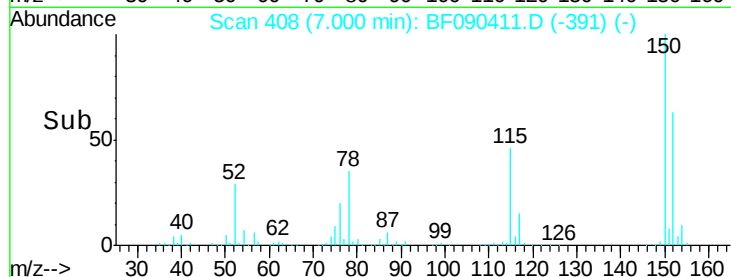
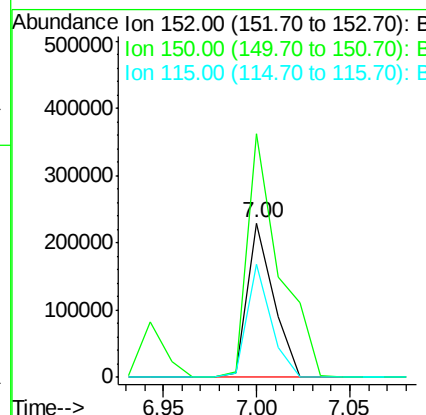
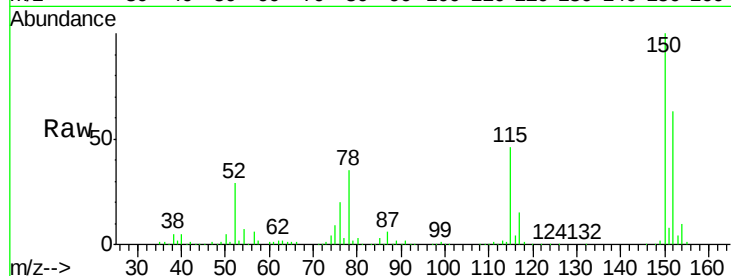
ClientSampleId :

CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	73.0	46.2	69.4

Manual Integrations
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#2

1,4-Dioxane

Concen: 40.53 ng m

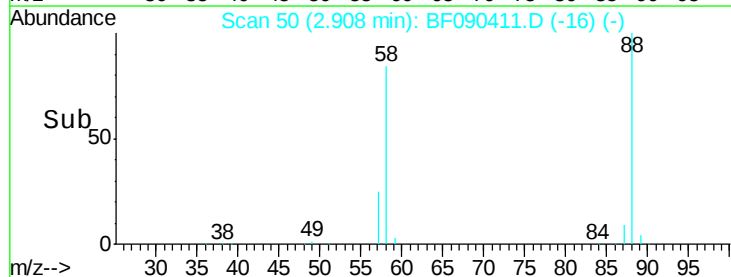
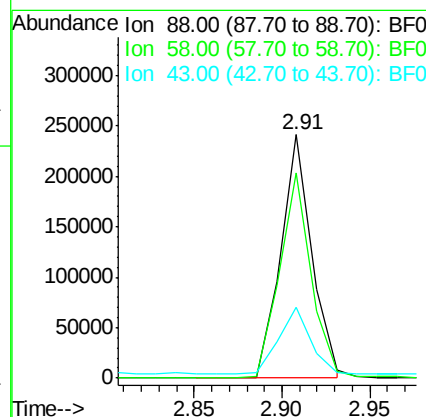
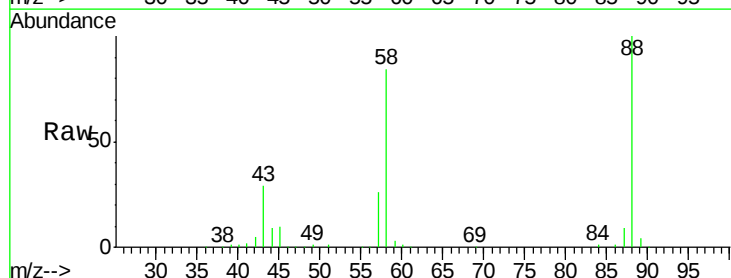
RT: 2.91 min Scan# 50

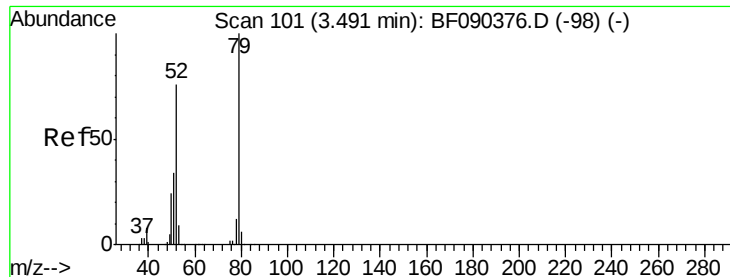
Delta R.T. 0.19 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	71.2	106.8
43	0.0	29.8	44.6





#3

Pvridine

Concen: 31.18 ng/ml

RT: 3.62 min Scan# 112

Delta R.T. 0.13 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

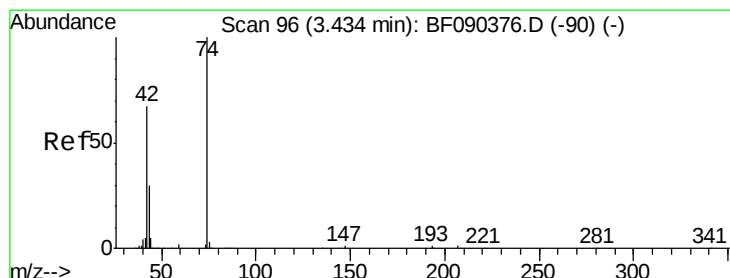
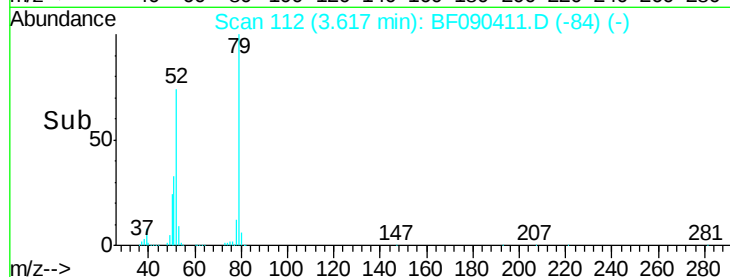
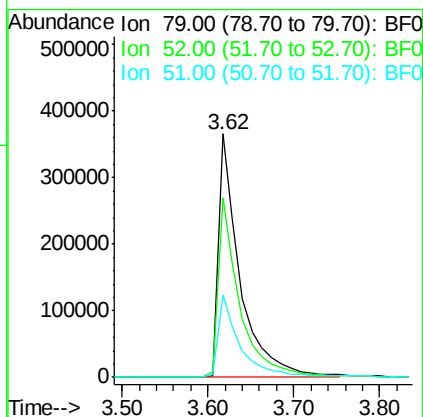
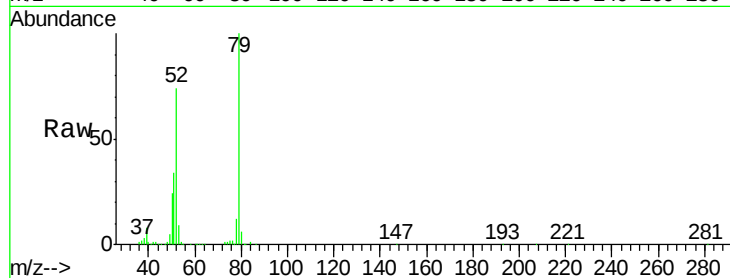
ClientSampleId :

CHA-STA-1698-D(0-2)MS

Tot Ion:	79	Resp:	640176
Ion Ratio	Lower	Upper	
79	100		
52	73.8	71.3	106.9
51	33.7	34.5	51.7#

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 45.22 ng/ml

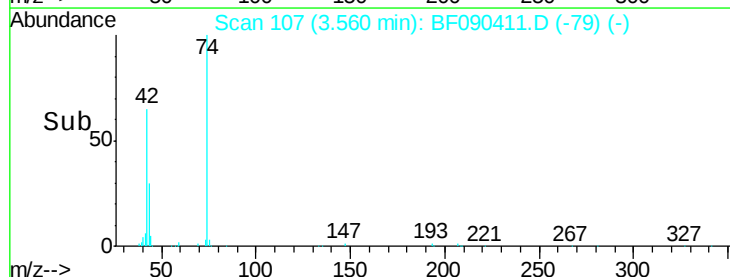
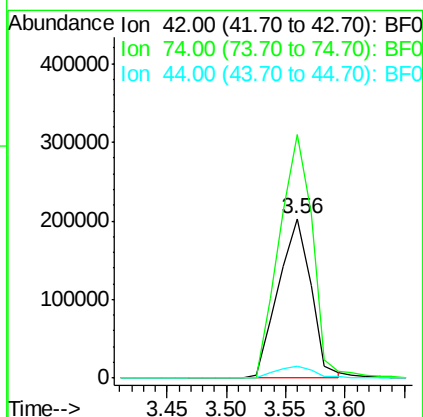
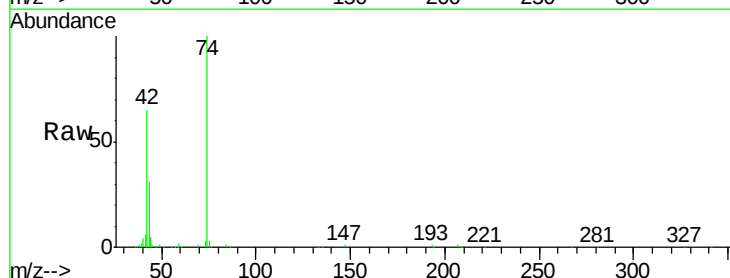
RT: 3.56 min Scan# 107

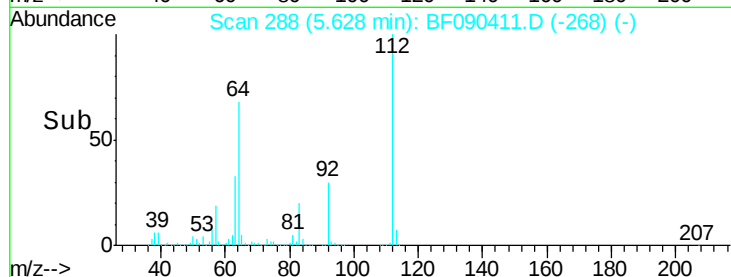
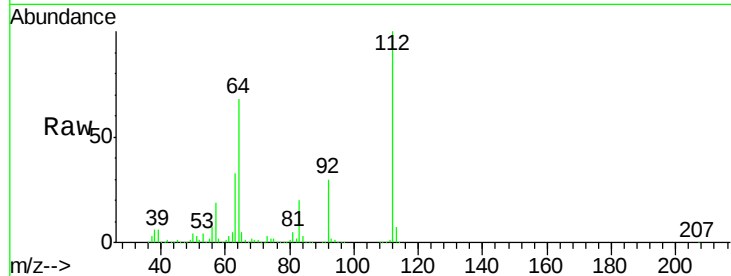
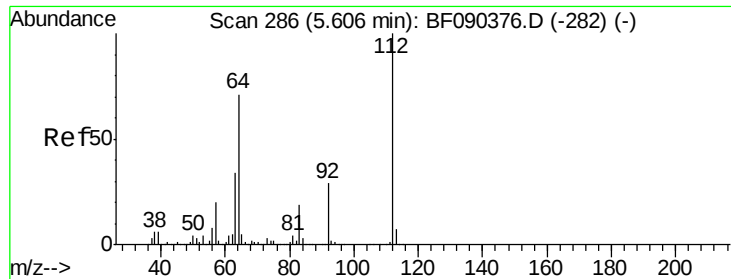
Delta R.T. 0.13 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Tgt Ion:	42	Resp:	383169
Ion Ratio	Lower	Upper	
42	100		
74	153.0	88.9	133.3#
44	7.6	6.5	9.7





#5

2-Fluorophenol

Concen: 131.24 ng

RT: 5.63 min Scan# 288

Delta R.T. 0.02 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Tot Ion:	112	Resp:	1960478
Ion	Ratio	Lower	Upper
112	100		
64	68.2	57.9	86.9
63	33.1	29.6	44.4

Instrument :

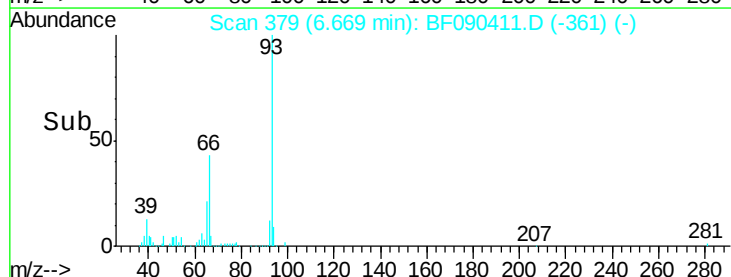
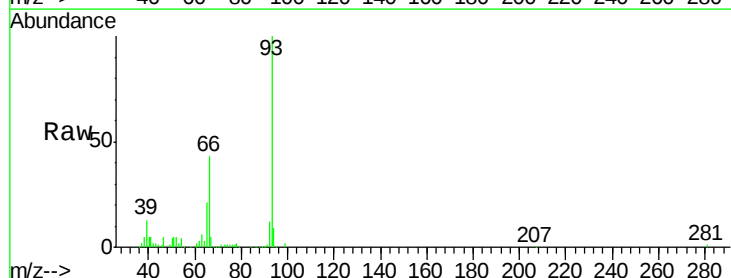
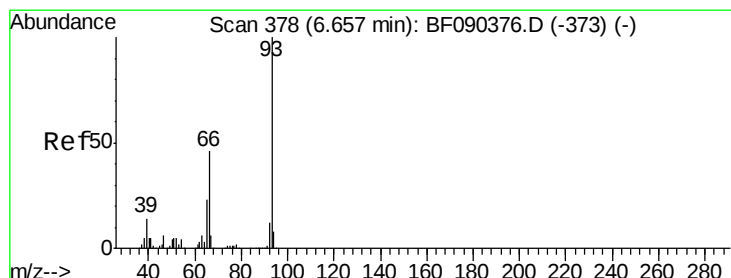
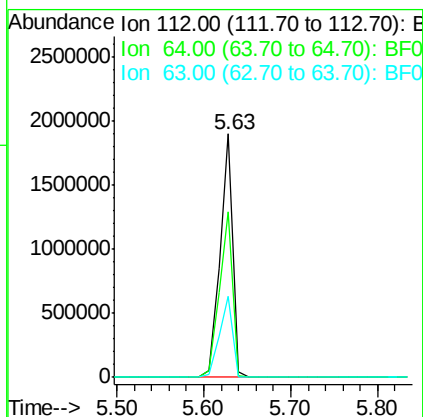
BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

Manual Integrations
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10/6/2016 5:27:55 PM



#6

Aniline

Concen: 9.81 ng

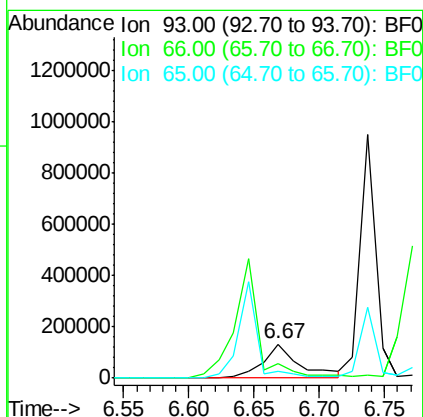
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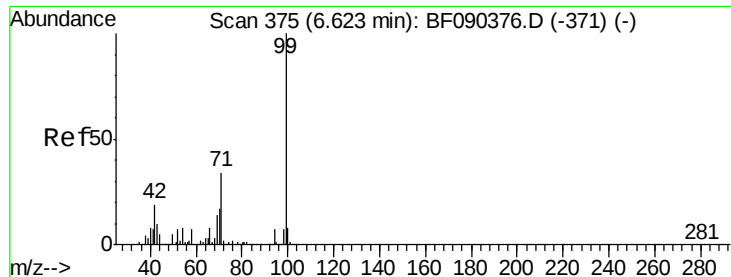
Delta R.T. 0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Tgt Ion:	93	Resp:	264985
Ion	Ratio	Lower	Upper
93	100		
66	42.8	34.5	51.7
65	21.0	18.2	27.2





#7

Phenol-d6

Concen: 124.97 ng

RT: 6.63 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

Tot Ion: 99 Resp: 2445117

Ion Ratio Lower Upper

99 100

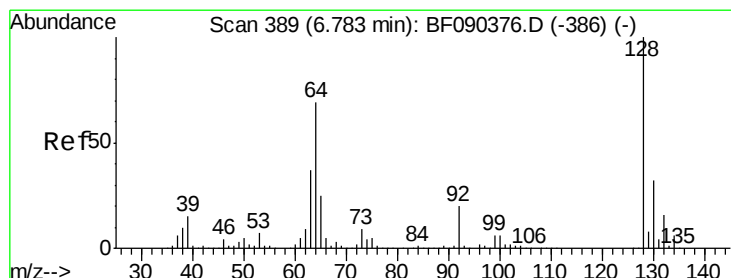
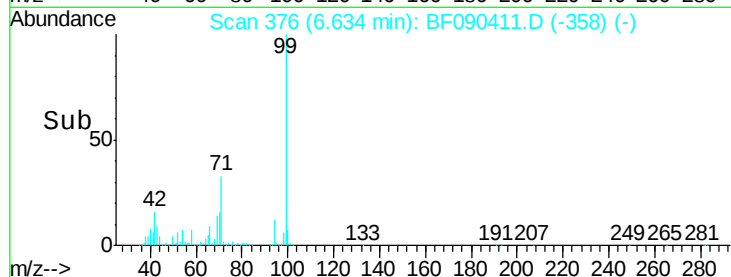
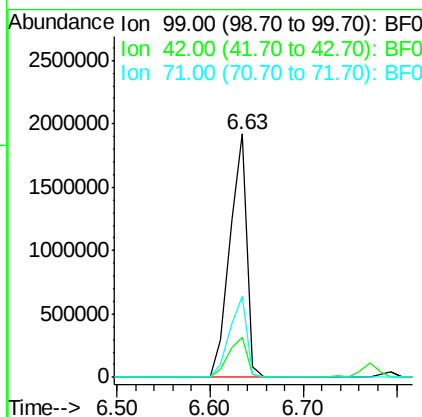
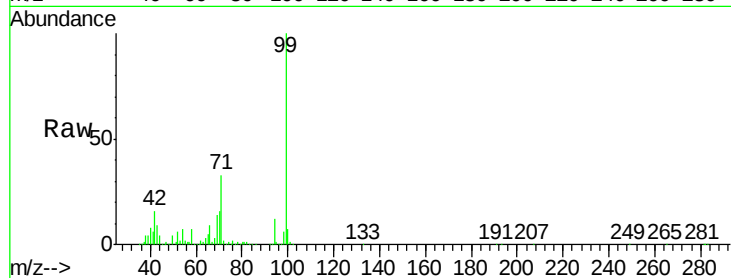
42 16.4 20.0 30.0#

71 33.1 27.9 41.9

Manual Integrations
APPROVED

SOHIL

10/6/2016 5:27:55 PM



#8

2-Chlorophenol

Concen: 48.78 ng

RT: 6.79 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

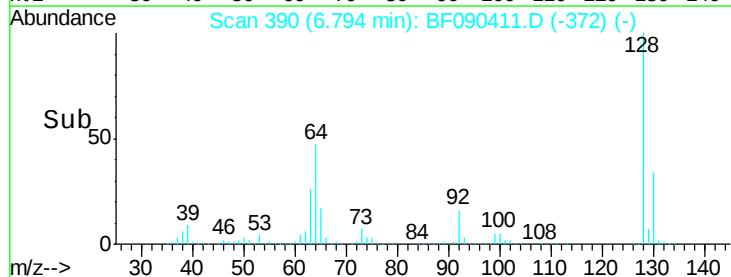
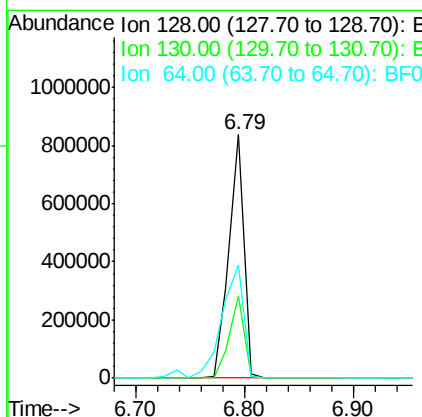
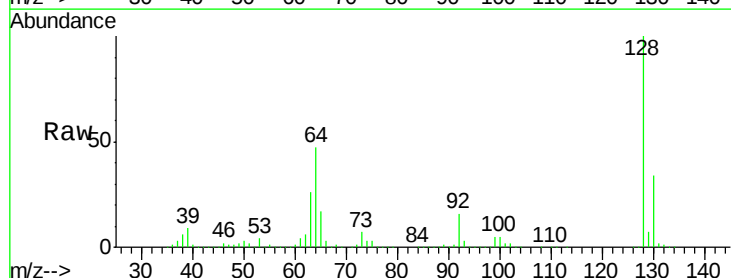
Tgt Ion: 128 Resp: 801966

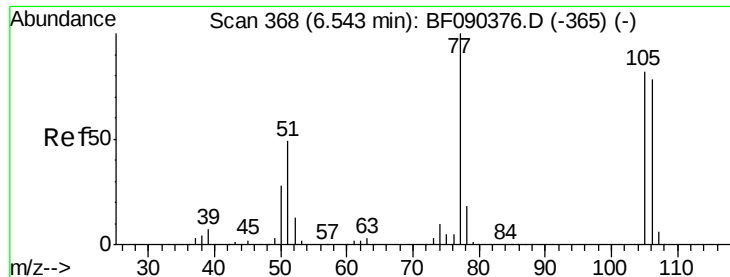
Ion Ratio Lower Upper

128 100

130 33.8 13.3 53.3

64 46.7 36.0 76.0





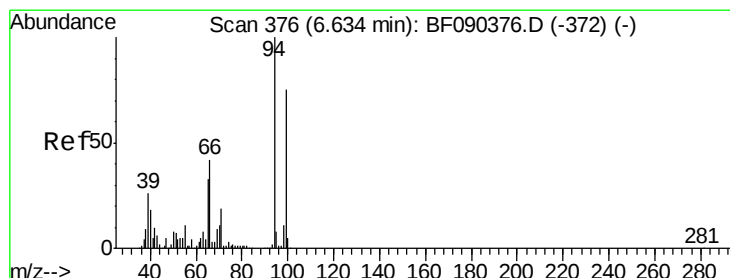
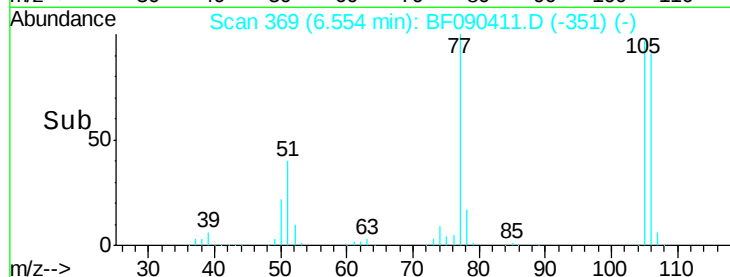
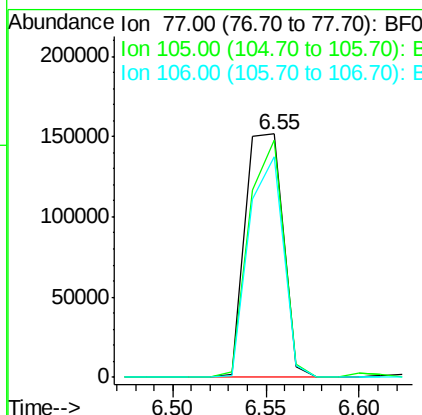
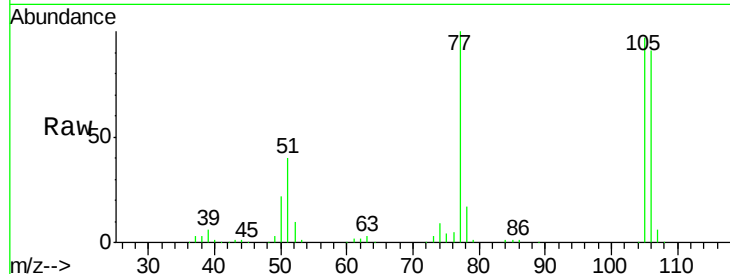
#9
Benzaldehyde
Concen: 21.60 ng
RT: 6.55 min Scan# 369
Delta R.T. 0.01 min
Lab File: BF090411.D
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Instrument :
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Tot Ion	Ion	Ratio	Lower	Upper
77	100			
105	97.5	73.1	113.1	
106	90.7	70.2	110.2	

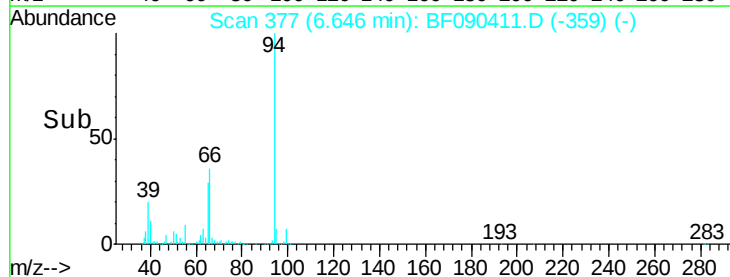
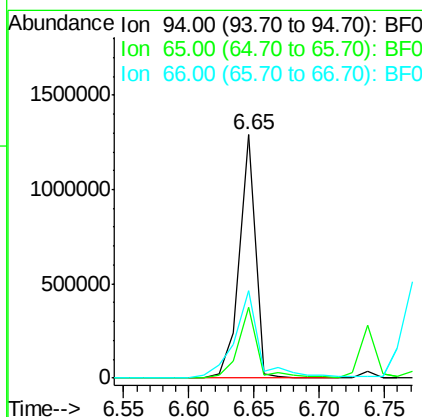
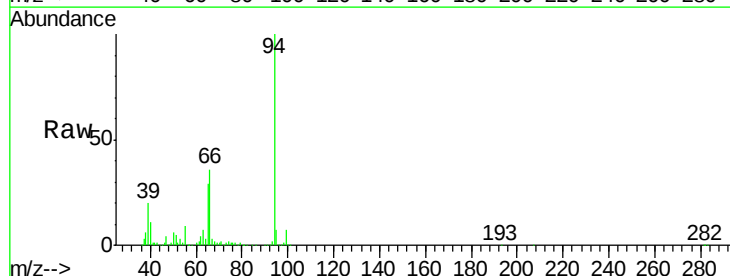
Manual Integrations
APPROVED

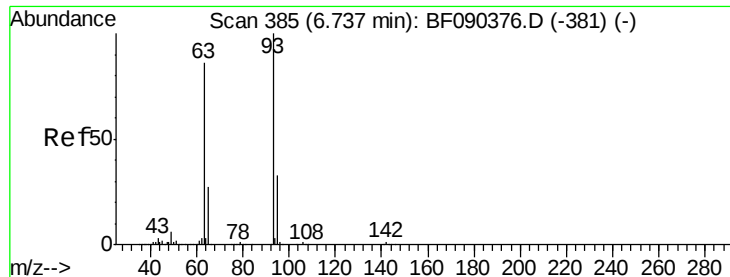
SOHIL
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#10
Phenol
Concen: 48.22 ng
RT: 6.65 min Scan# 377
Delta R.T. 0.01 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ion	Ratio	Lower	Upper
94	100			
65	29.3	13.3	53.3	
66	35.9	20.4	60.4	





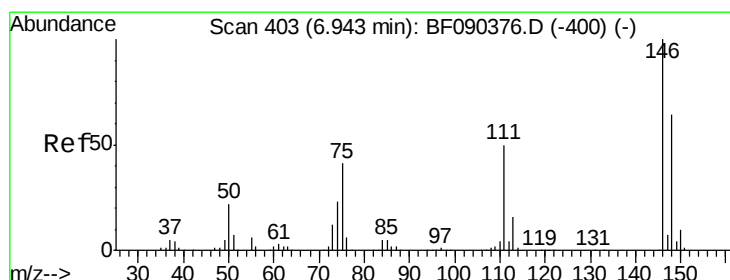
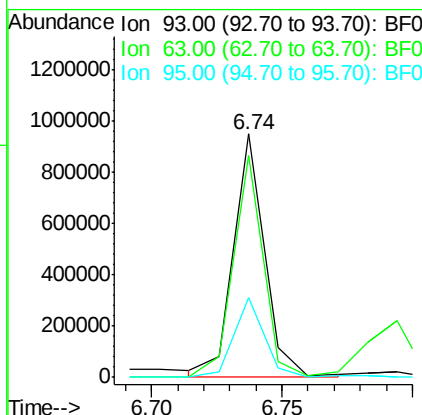
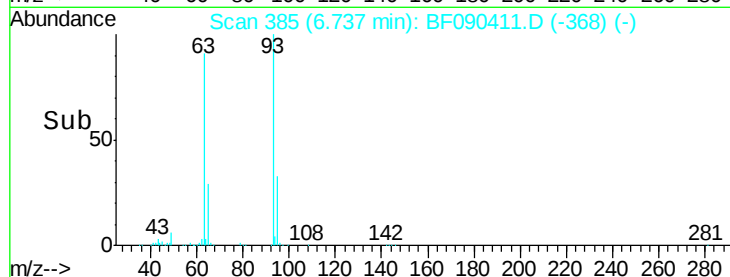
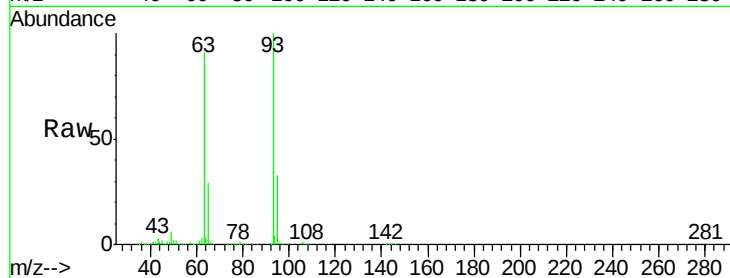
#11
bis(2-Chloroethyl)ether
Concen: 45.84 ng
RT: 6.74 min Scan# 385
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	91.2	59.7	99.7
95	32.9	14.0	54.0

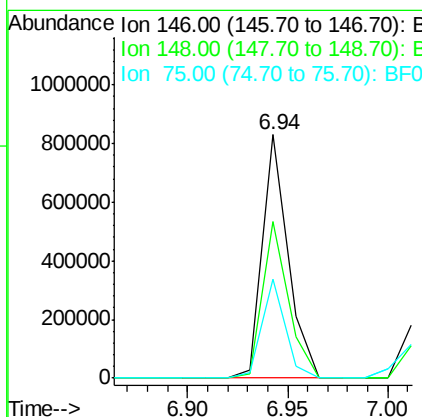
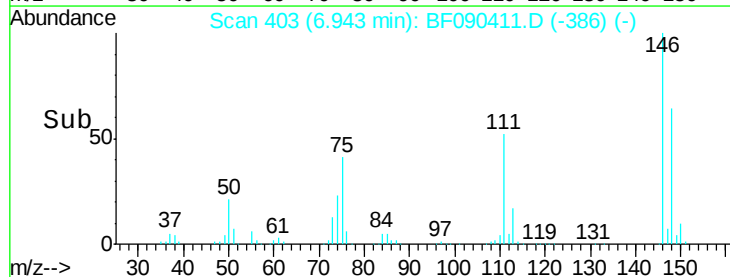
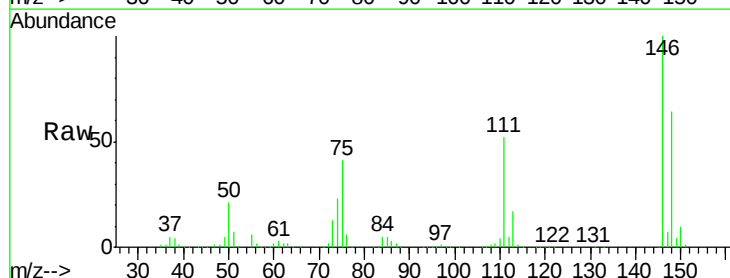
Manual Integrations
APPROVED

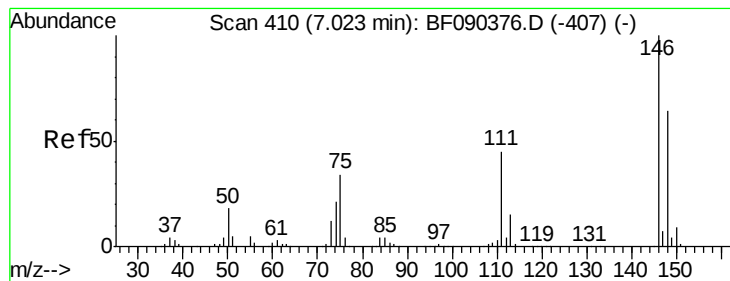
SOHIL
10/6/2016 5:27:55 PM



#12
1,3-Dichlorobenzene
Concen: 44.67 ng m
RT: 6.94 min Scan# 403
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.2	78.4
75	40.9	21.4	32.2





#13

1,4-Dichlorobenzene

Concen: 50.77 ng

RT: 7.02 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

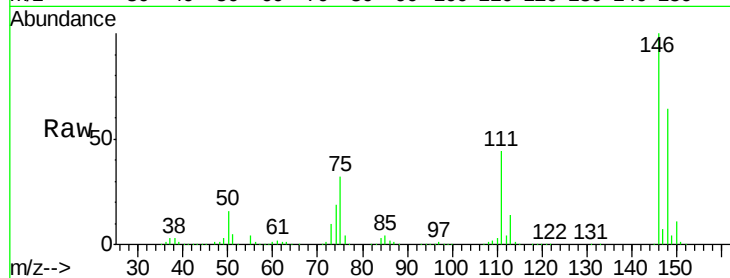
ClientSampleId :

CHA-STA-1698-D(0-2)MS

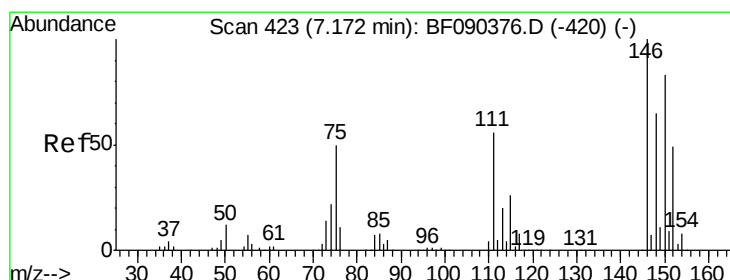
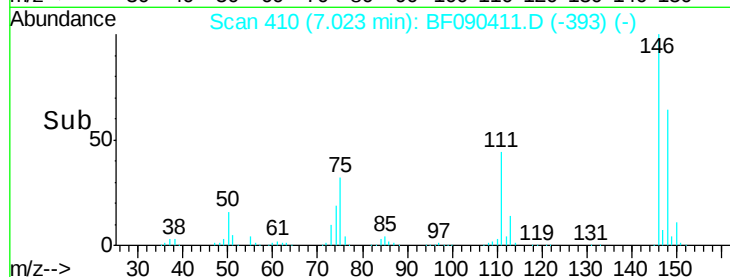
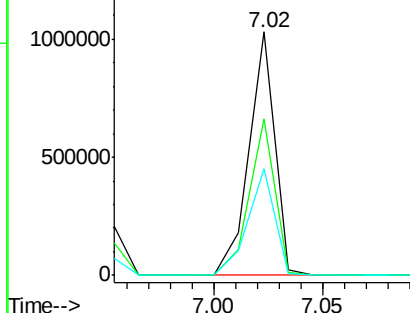
Tot Ion:	146	Resp:	844923
Ion Ratio	Lower	Upper	
146	100		
148	64.4	51.1	76.7
111	43.9	37.8	56.6

Manual Integrations
APPROVED

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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 44.62 ng

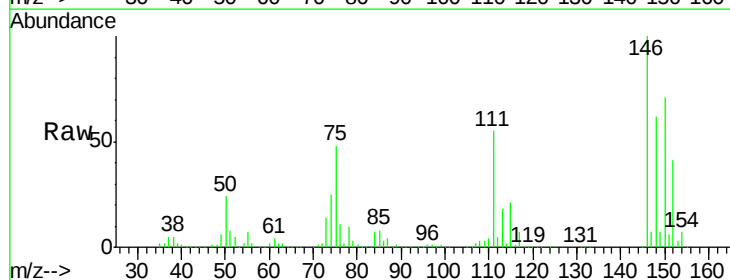
RT: 7.17 min Scan# 423

Delta R.T. -0.00 min

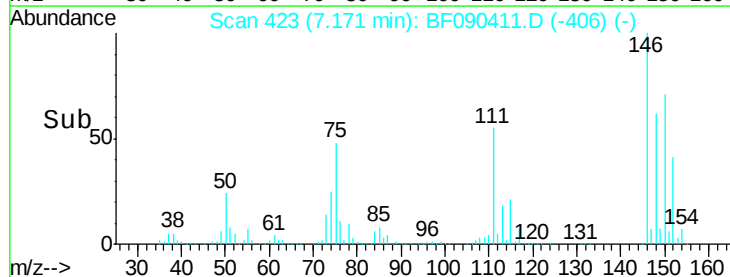
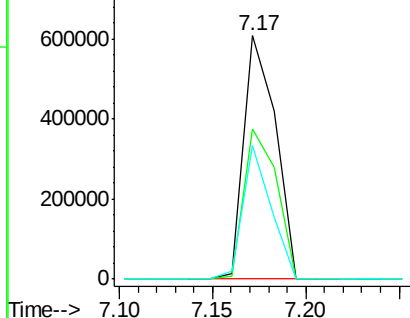
Lab File: BF090411.D

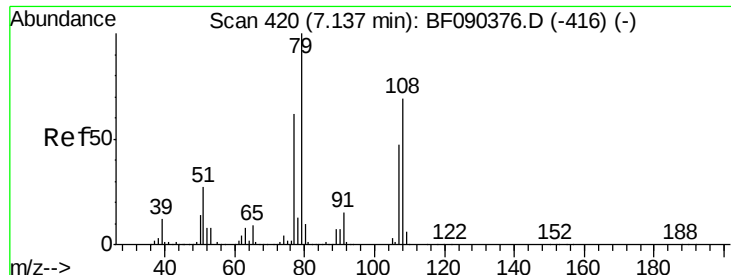
Acq: 6 Oct 2016 5:44

Tgt Ion:	146	Resp:	715553
Ion Ratio	Lower	Upper	
146	100		
148	61.6	52.3	78.5
111	54.6	38.2	57.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





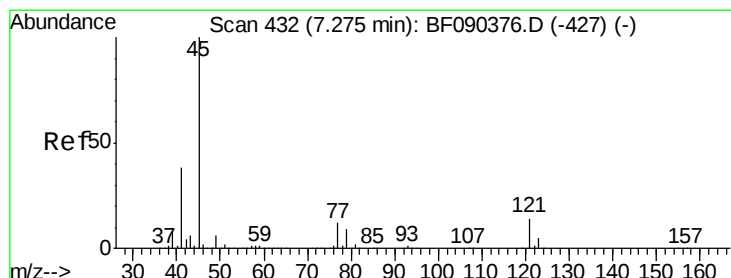
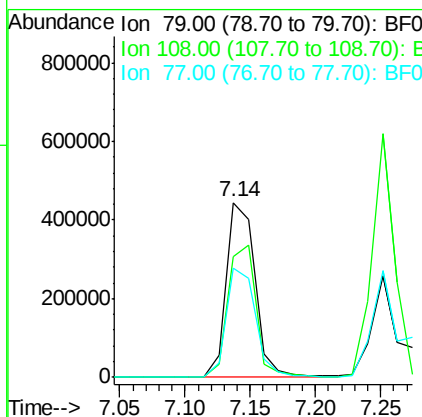
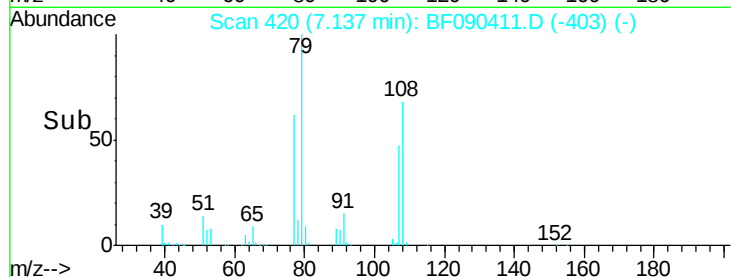
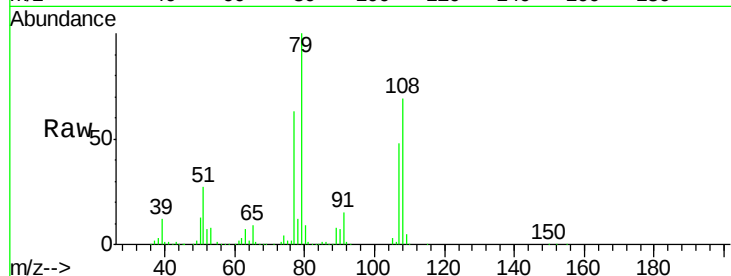
#15
Benzyl Alcohol
Concen: 46.05 ng
RT: 7.14 min Scan# 420
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
79	100		
108	69.3	60.9	91.3
77	62.6	51.5	77.3

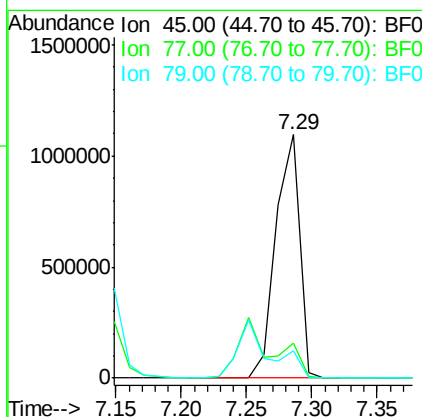
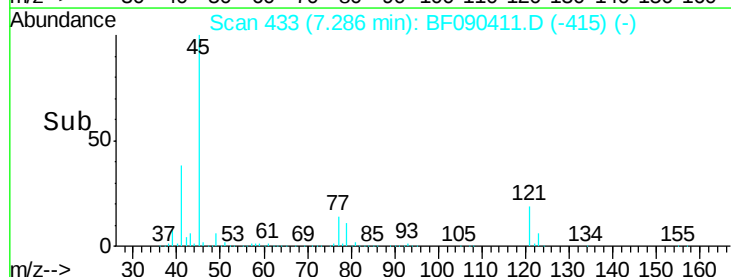
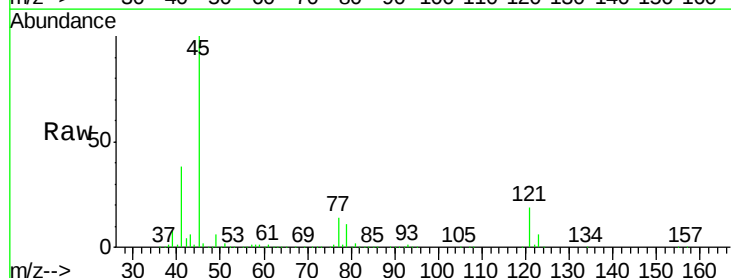
Manual Integrations
APPROVED

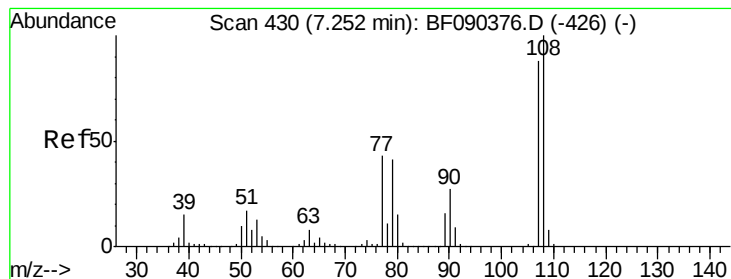
SOHIL
10/6/2016 5:27:55 PM



#16
2,2'-oxybis(1-chloropropane)
Concen: 46.55 ng
RT: 7.29 min Scan# 433
Delta R.T. 0.01 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	30.8
79	11.4	0.0	28.2





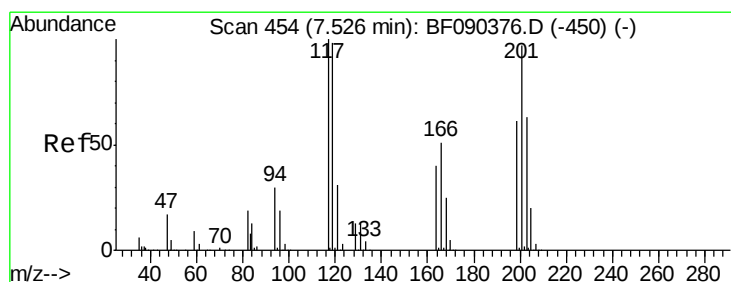
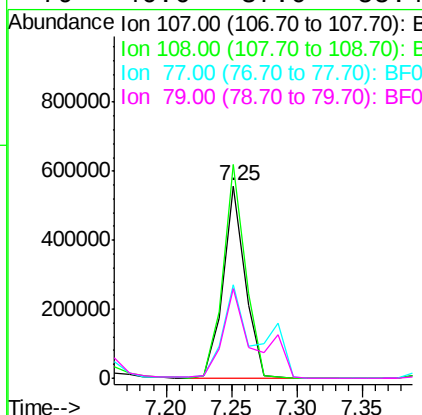
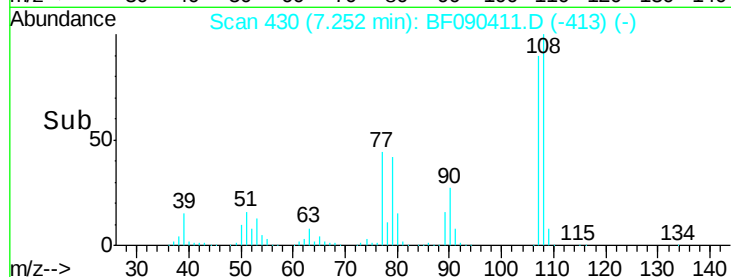
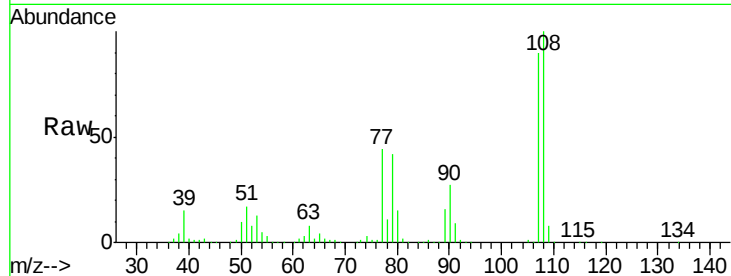
#17
2-Methylphenol
Concen: 48.52 ng
RT: 7.25 min Scan# 430
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	655942		
108	111.2	90.9	136.3	
77	48.7	38.2	57.4	
79	46.6	37.0	55.4	

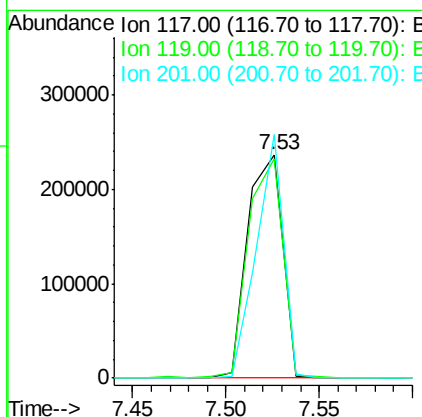
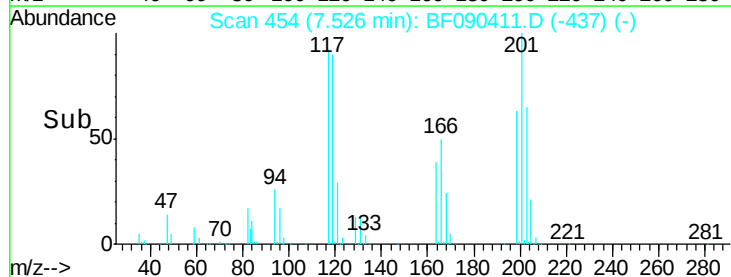
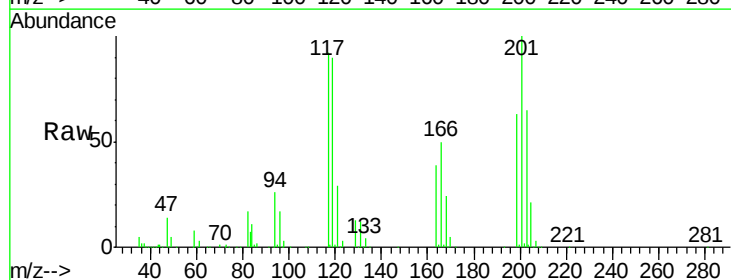
Manual Integrations
APPROVED

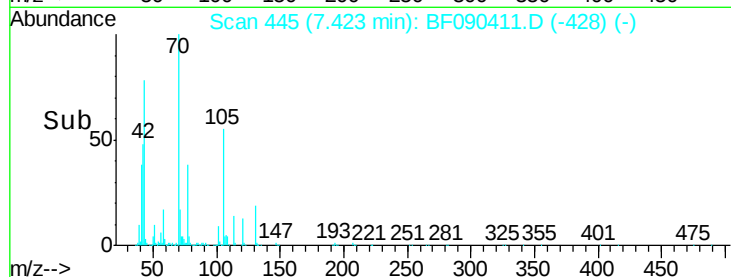
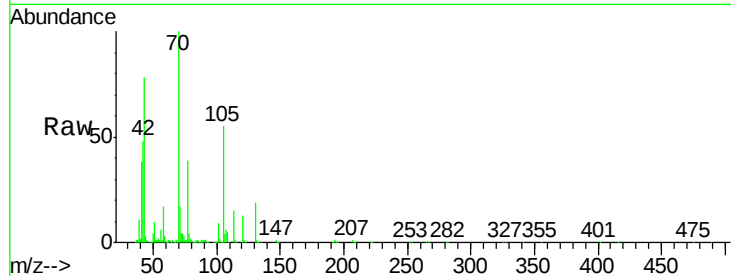
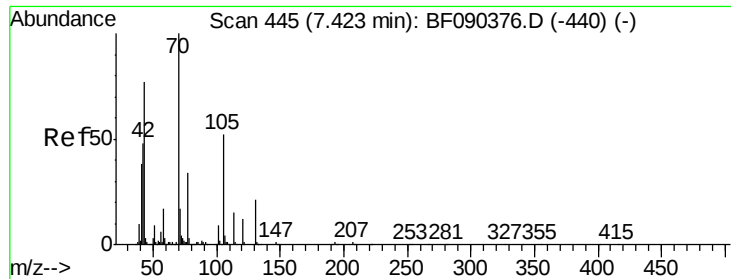
SOHIL
10/6/2016 5:27:55 PM



#18
Hexachloroethane
Concen: 46.87 ng
RT: 7.53 min Scan# 454
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	307545		
119	98.0	75.9	113.9	
201	108.9	66.5	99.7#	





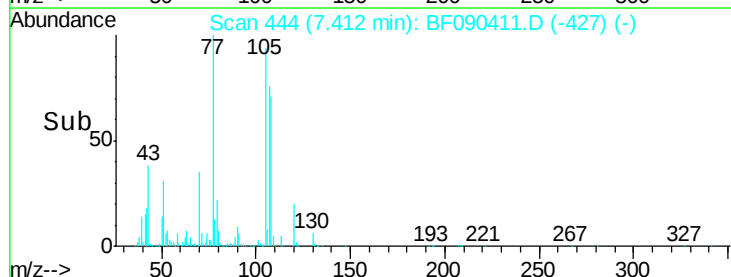
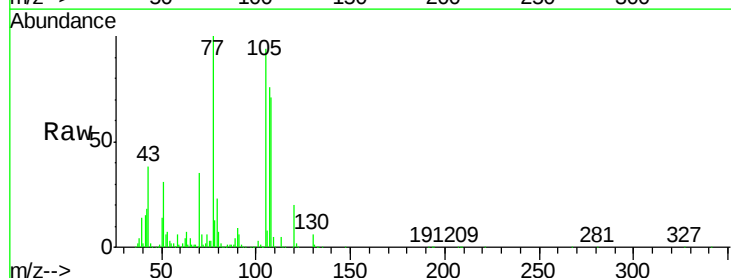
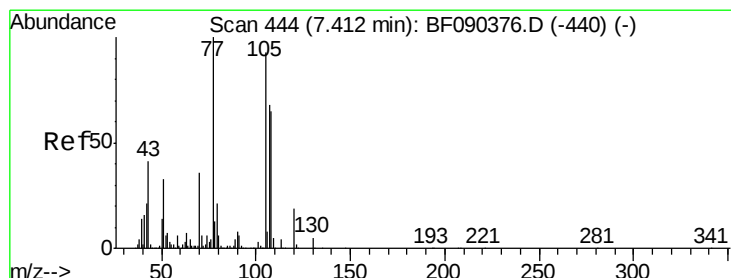
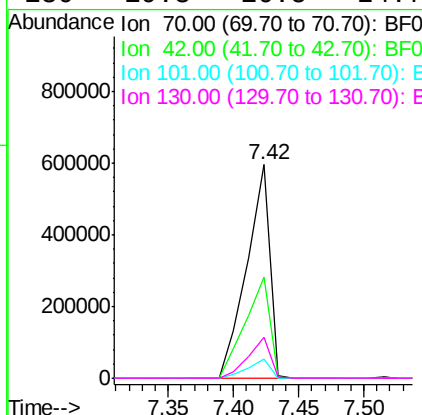
#19
n-Nitroso-di-n-propylamine
Concen: 51.25 ng
RT: 7.42 min Scan# 445
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	47.7	55.4	83.2#
101	9.0	7.6	11.4
130	19.3	16.5	24.7

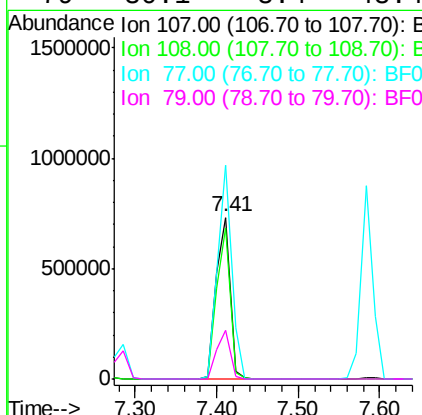
Manual Integrations
APPROVED

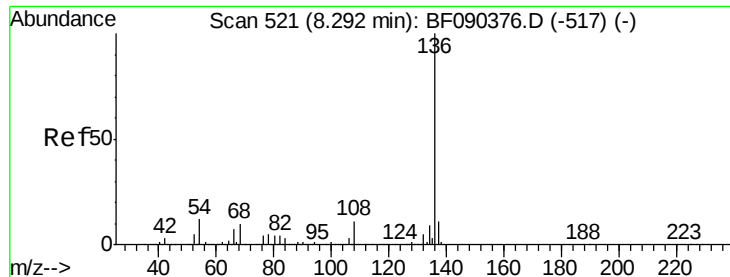
SOHIL
10/6/2016 5:27:55 PM



#20
3+4-Methylphenols
Concen: 49.47 ng
RT: 7.41 min Scan# 444
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.8	66.7	106.7
77	132.2	53.7	93.7#
79	30.1	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.29 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

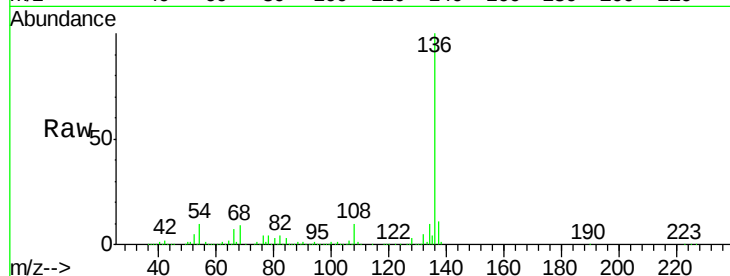
ClientSampleId :

CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	965247		
137	11.2	9.0	13.6	
54	10.3	6.6	10.0	
68	8.8	5.0	7.6	

Manual Integrations
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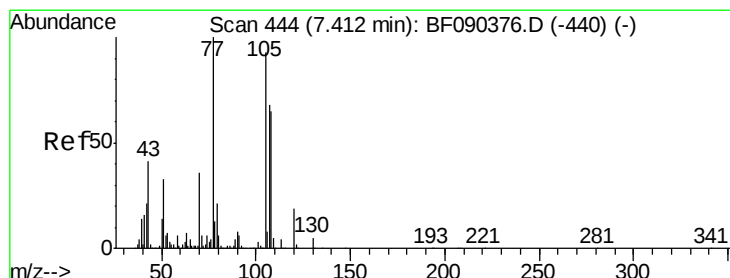
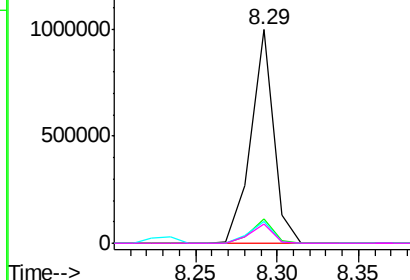
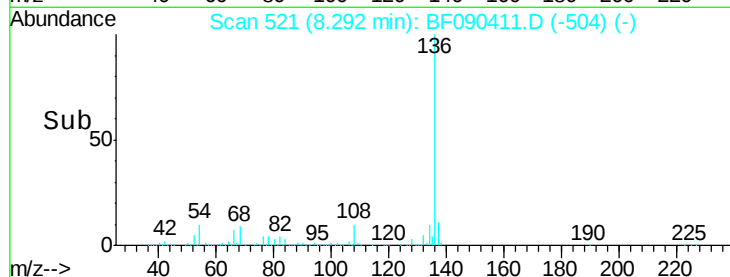
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 47.85 ng

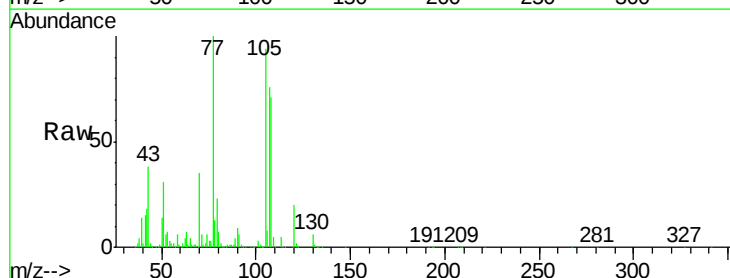
RT: 7.41 min Scan# 444

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1093870		
71	6.3	3.8	5.6	
51	33.3	28.2	42.4	
120	21.1	17.4	26.2	



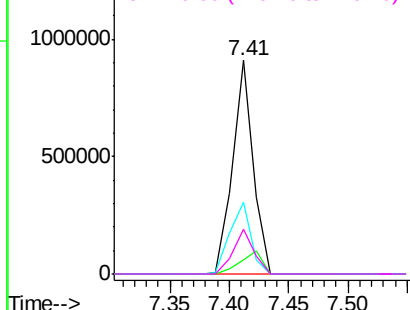
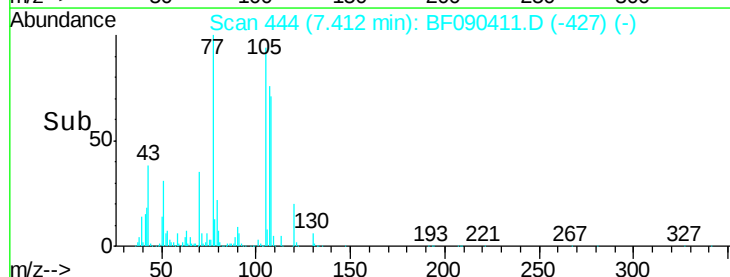
Abundance

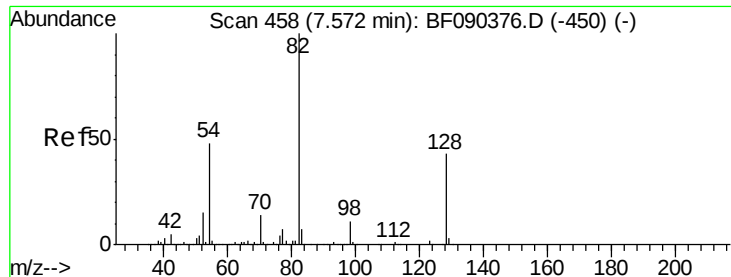
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





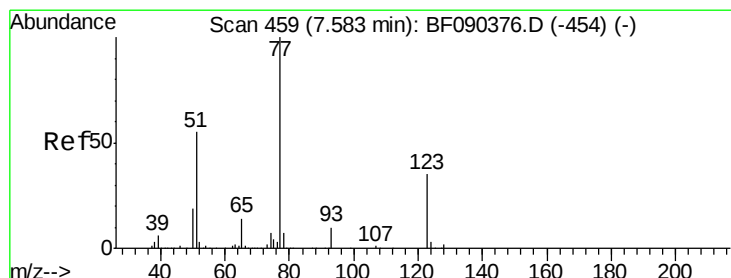
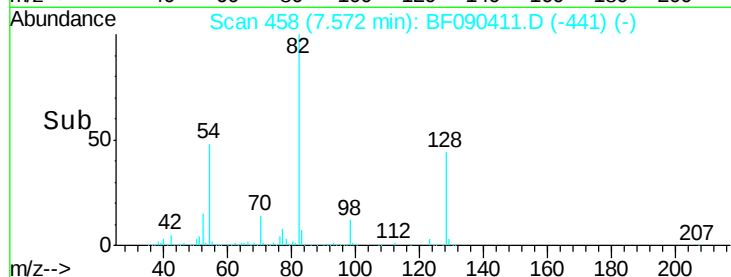
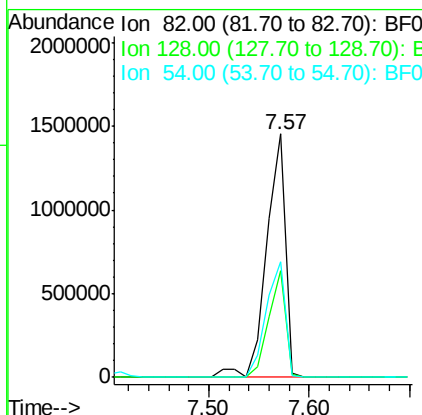
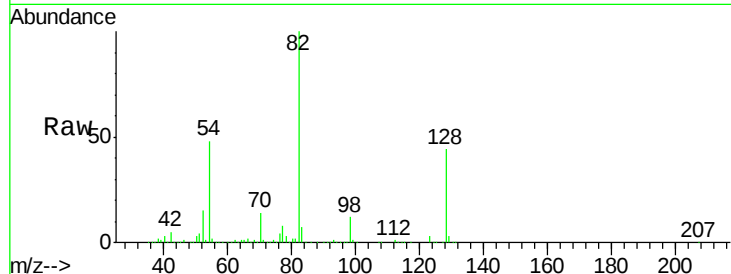
#23
 Nitrobenzene-d5
 Concen: 95.15 ng
 RT: 7.57 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	40.0	60.0
54	47.7	42.6	64.0

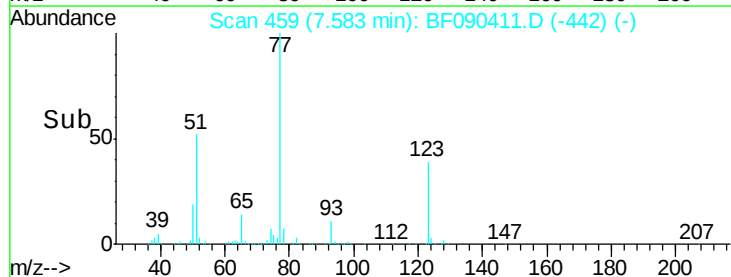
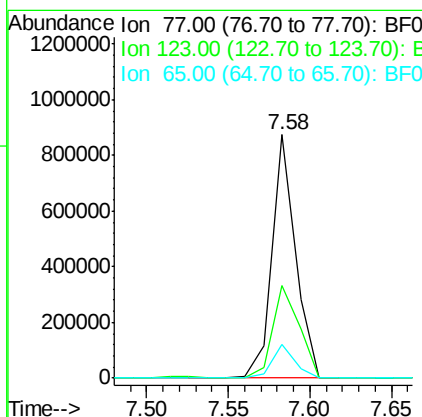
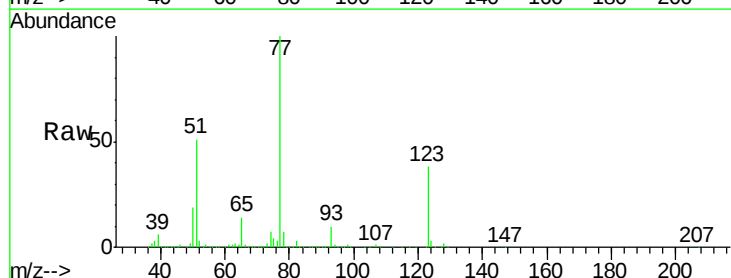
Manual Integrations
 APPROVED

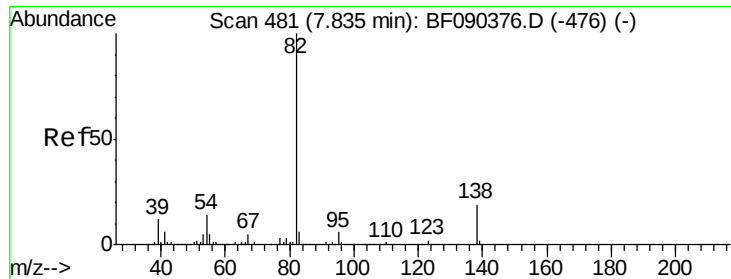
SOHIL
 10/6/2016 5:27:55 PM



#24
 Nitrobenzene
 Concen: 44.54 ng
 RT: 7.58 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
77	100		
123	38.1	33.0	49.4
65	14.0	12.0	18.0





#25

Isophorone

Concen: 47.39 ng

RT: 7.82 min Scan# 480

Delta R.T. -0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

Tot Ion: 82 Resp: 1719218

Ion Ratio Lower Upper

82 100

95 6.0 5.2 7.8

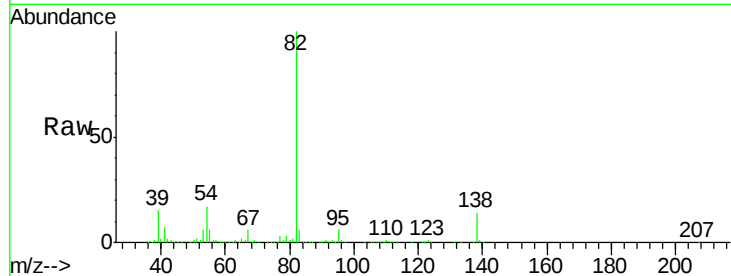
138 14.1 13.0 19.4

Manual Integrations

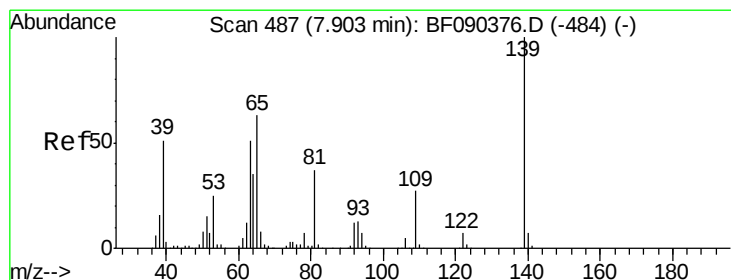
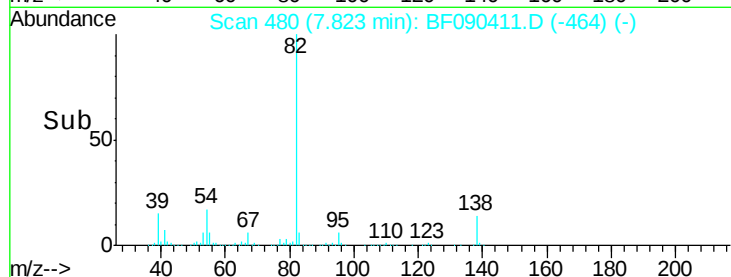
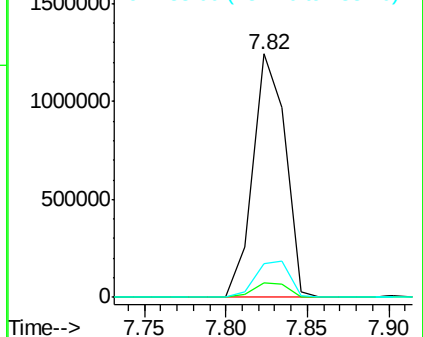
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 47.54 ng

RT: 7.90 min Scan# 487

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

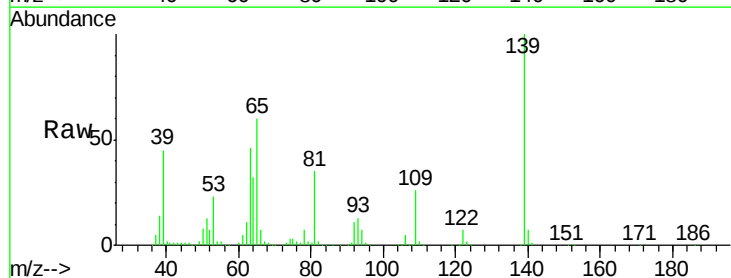
Tgt Ion: 139 Resp: 403064

Ion Ratio Lower Upper

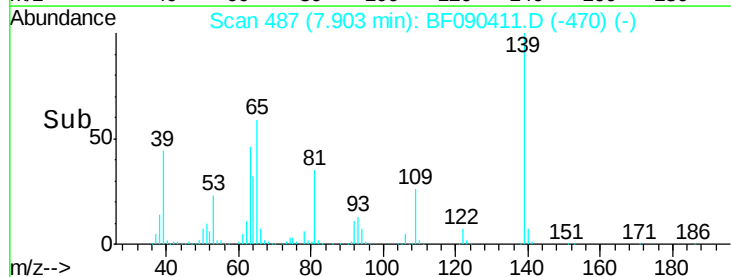
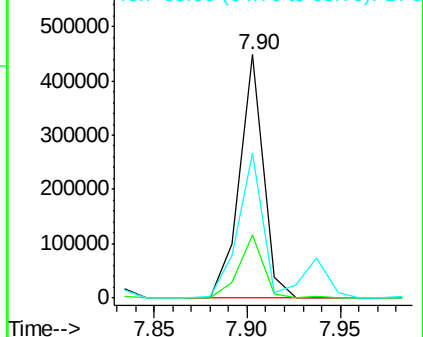
139 100

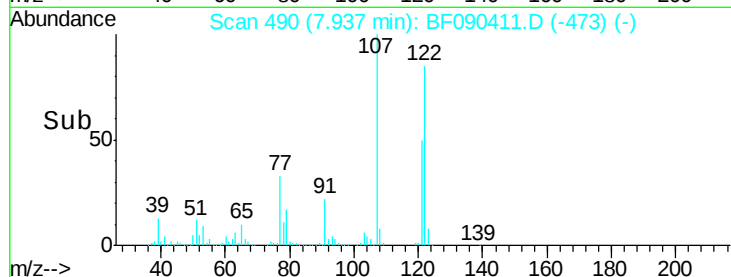
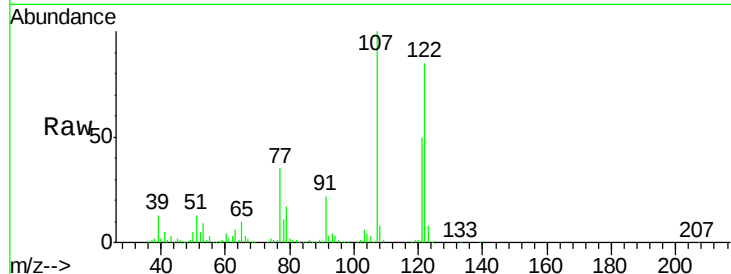
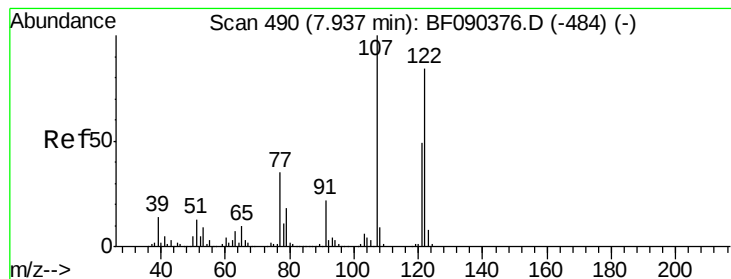
109 25.8 18.9 28.3

65 59.6 31.6 47.4#



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





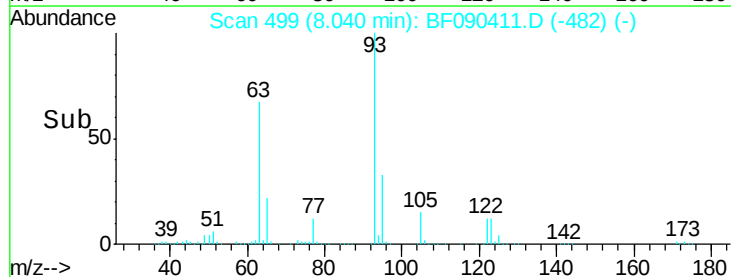
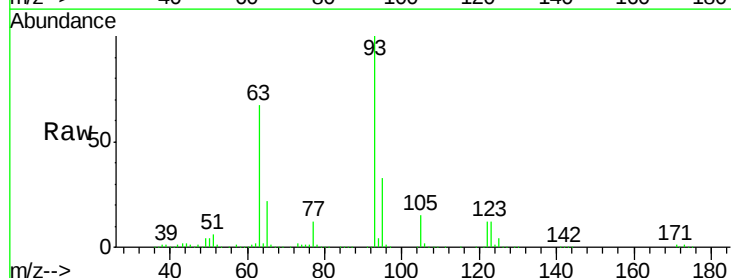
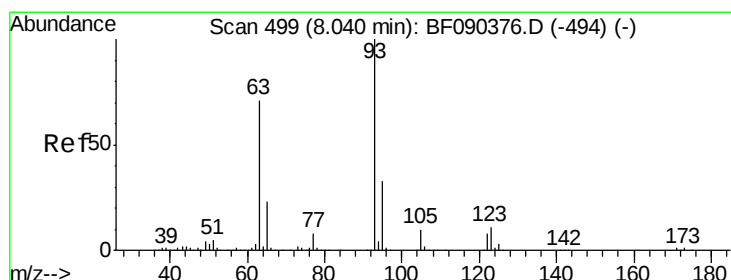
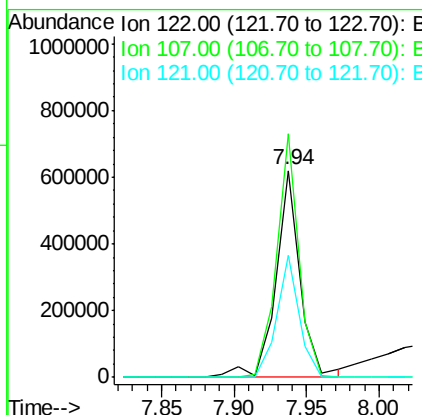
#27
2,4-Dimethylphenol
Concen: 43.51 ng
RT: 7.94 min Scan# 490
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tot Ion	Ratio	Resp	Lower	Upper
122	100	717406		
107	117.9	88.6	132.8	
121	59.0	47.5	71.3	

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

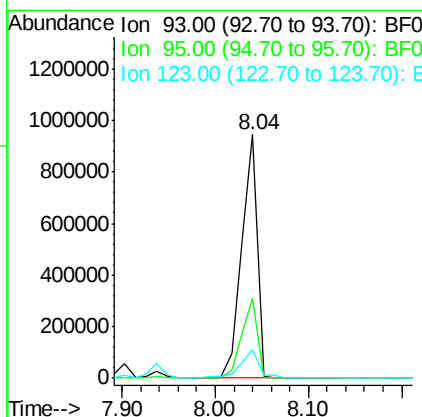
Manual Integrations
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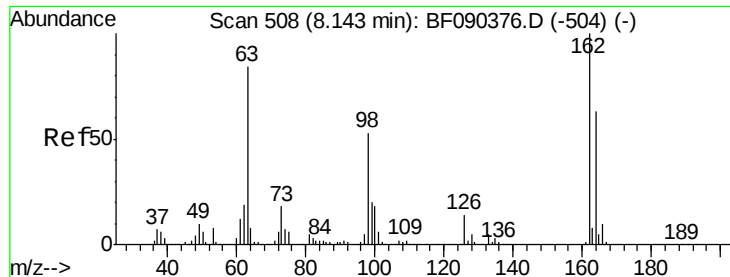
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#28
bis(2-Chloroethoxy)methane
Concen: 50.80 ng
RT: 8.04 min Scan# 499
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	1090054		
95	33.0	27.0	40.4	
123	11.9	11.1	16.7	





#29

2,4-Dichlorophenol

Concen: 45.89 ng

RT: 8.14 min Scan# 508

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

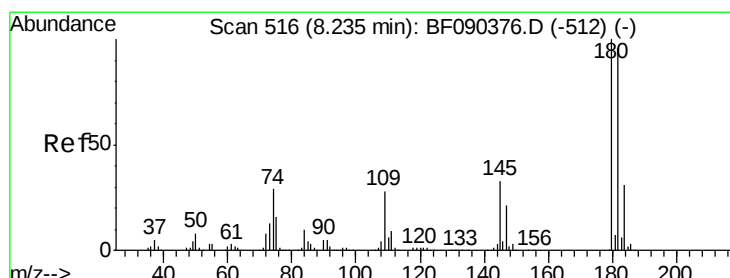
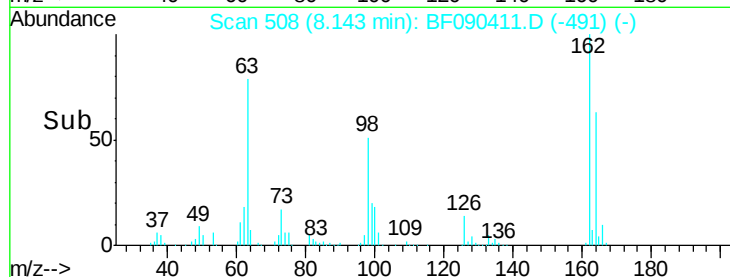
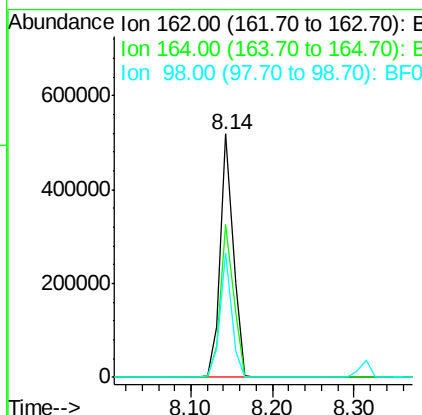
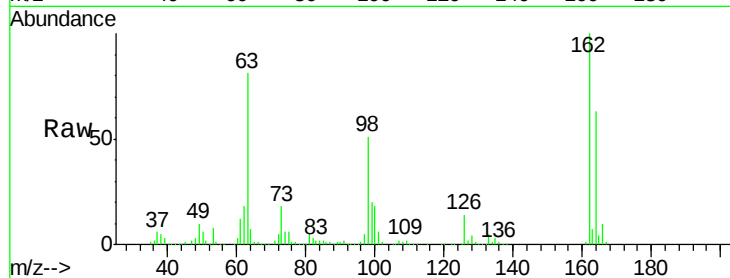
ClientSampleId :

CHA-STA-1698-D(0-2)MS

Tot Ion:	162	Resp:	575275
Ion Ratio	Lower	Upper	
162	100		
164	62.6	45.7	85.7
98	51.3	13.3	53.3

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 51.26 ng

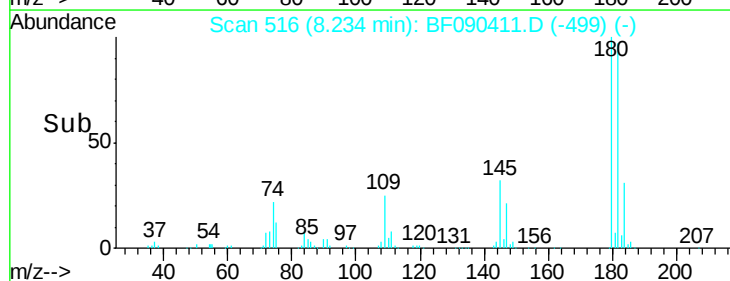
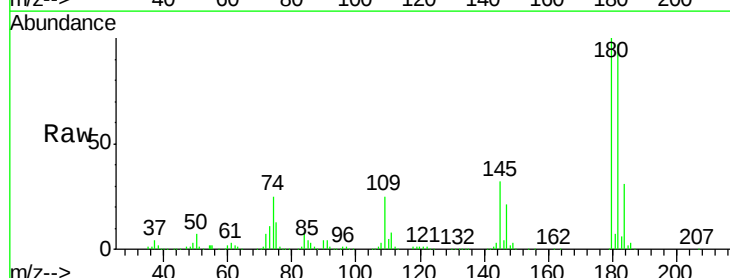
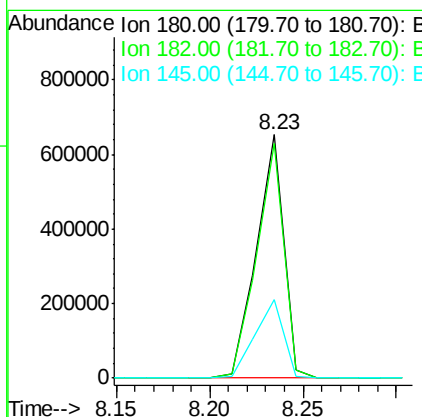
RT: 8.23 min Scan# 516

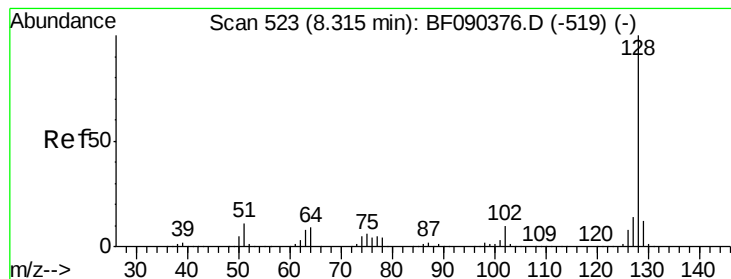
Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Tgt Ion:	180	Resp:	662309
Ion Ratio	Lower	Upper	
180	100		
182	96.5	75.3	112.9
145	32.1	27.7	41.5





#31

Naphthalene

Concen: 49.20 ng

RT: 8.31 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

Tot Ion:128 Resp: 2291209

Ion Ratio Lower Upper

128 100

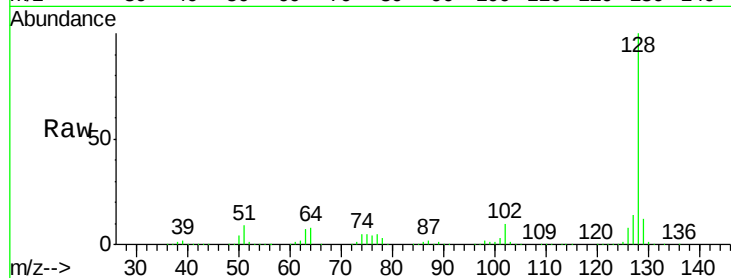
129 12.1 9.7 14.5

127 14.1 11.7 17.5

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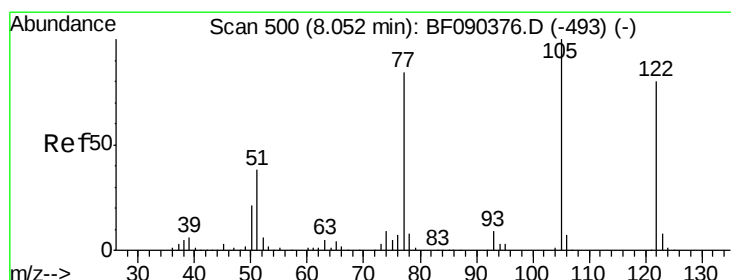
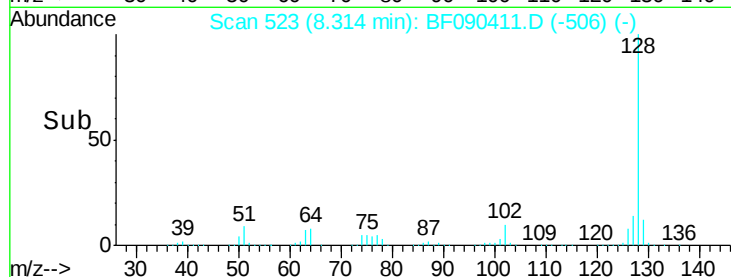
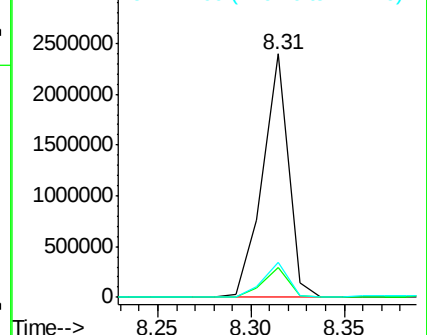
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 45.17 ng

RT: 8.05 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

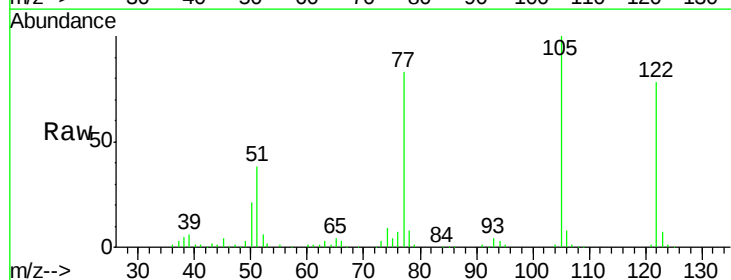
Tgt Ion:122 Resp: 517857

Ion Ratio Lower Upper

122 100

105 127.7 103.9 143.9

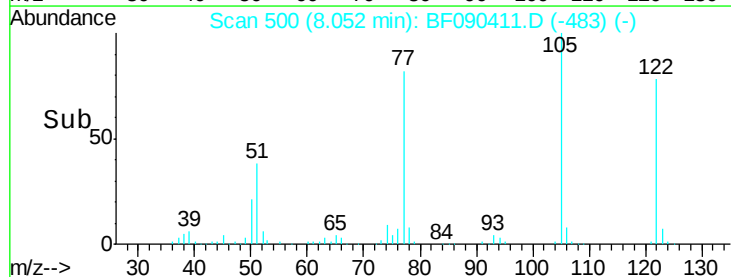
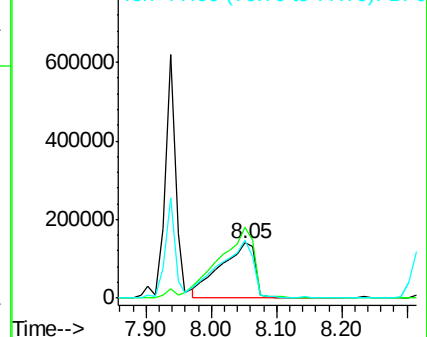
77 105.6 74.6 114.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





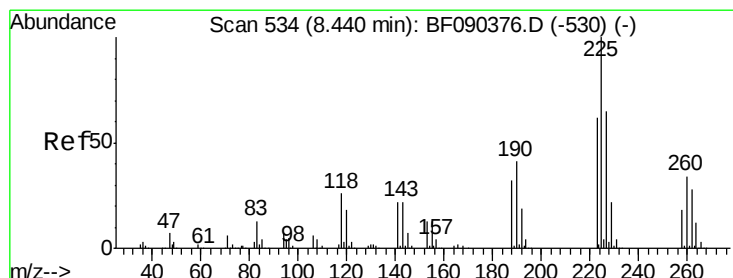
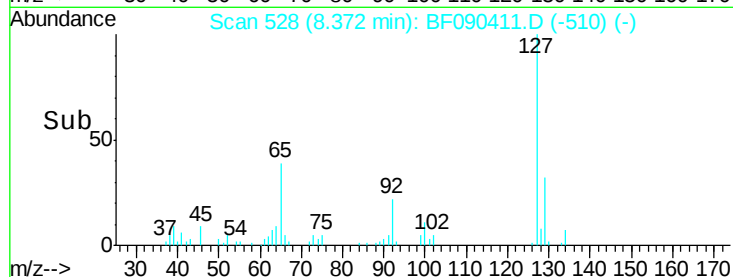
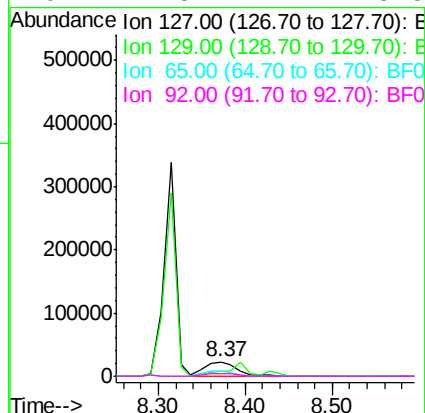
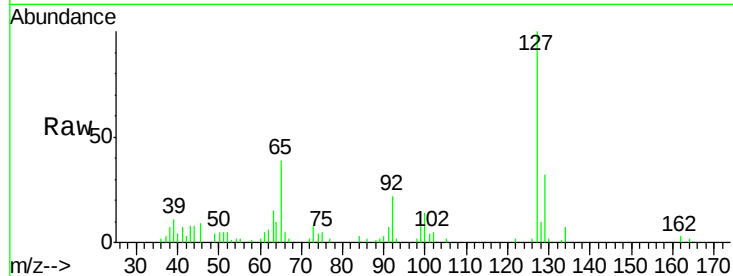
#33
4-Chloroaniline
Concen: 3.06 ng
RT: 8.37 min Scan# 528
Delta R.T. 0.01 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		58919		
129	32.3	26.2	39.4		
65	38.8	32.5	48.7		
92	21.8	17.2	25.8		

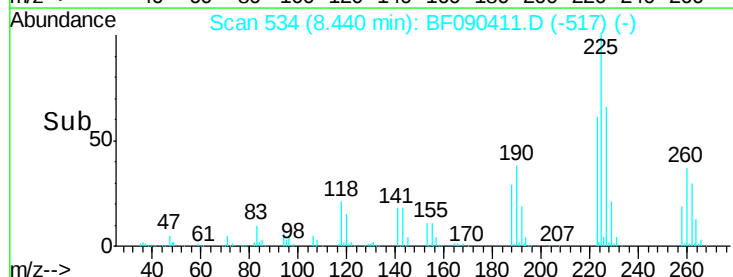
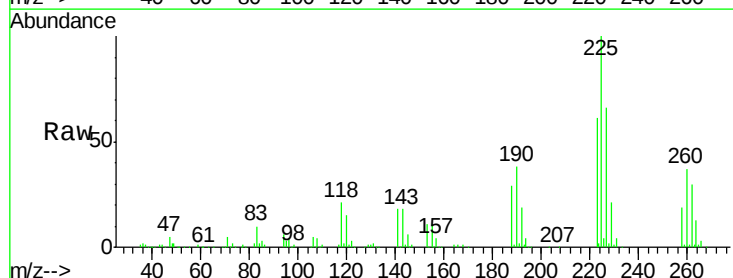
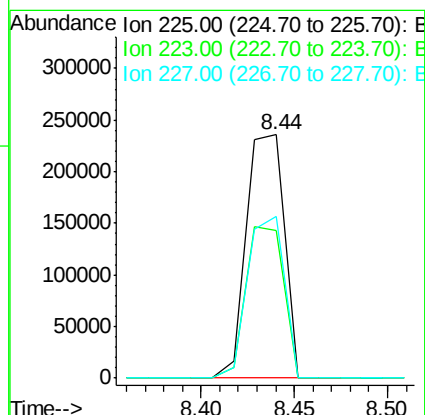
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#34
Hexachlorobutadiene
Concen: 46.01 ng
RT: 8.44 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		332172		
223	60.8	51.0	76.4		
227	66.4	50.8	76.2		





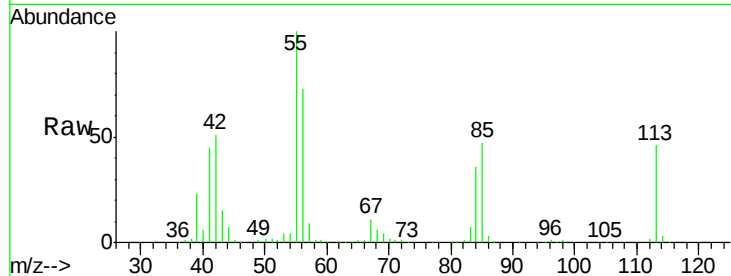
#35
 Caprolactam
 Concen: 41.80 ng/ml
 RT: 8.73 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

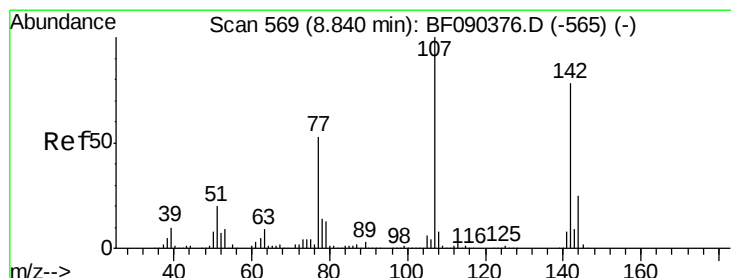
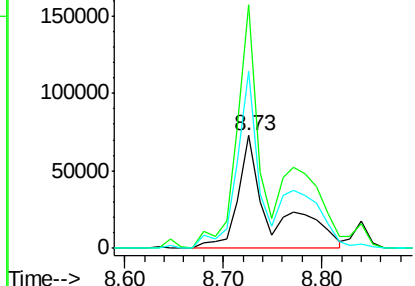
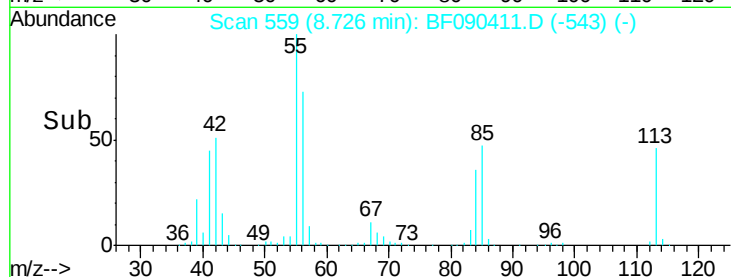
Tot Ion	Ratio	Lower	Upper
113	100		
55	215.9	203.3	243.3
56	156.8	140.5	180.5

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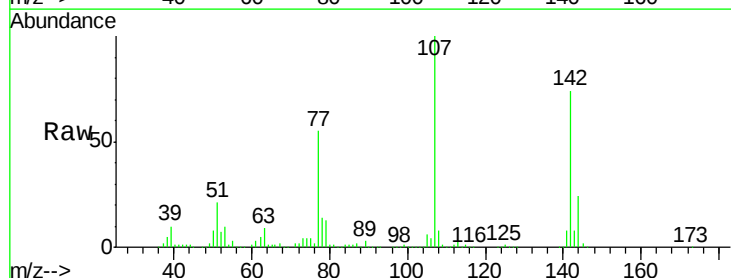


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

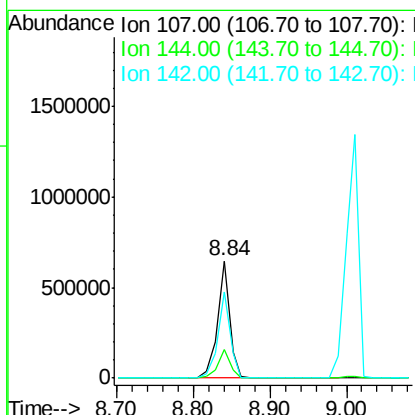
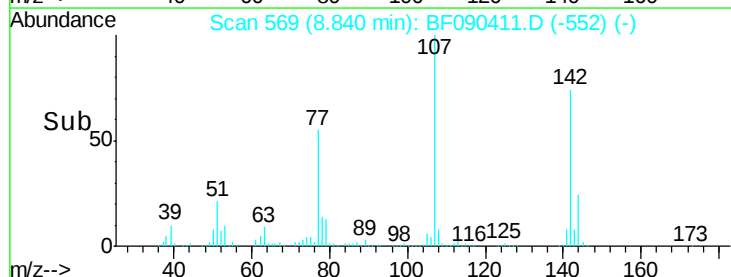


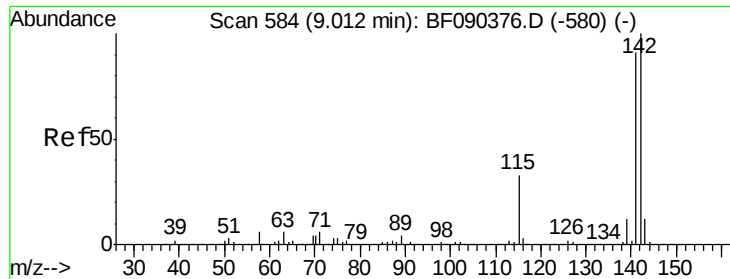
#36
 4-Chloro-3-methylphenol
 Concen: 45.36 ng
 RT: 8.84 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.1	19.8	29.8
142	73.9	60.7	91.1



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





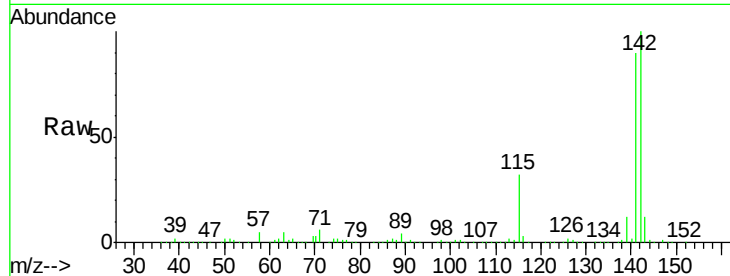
#37
2-Methylnaphthalene
Concen: 55.40 ng
RT: 9.01 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

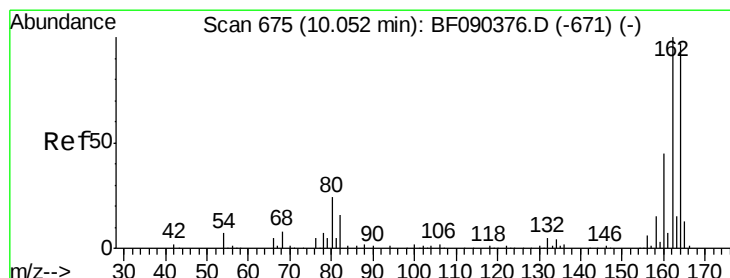
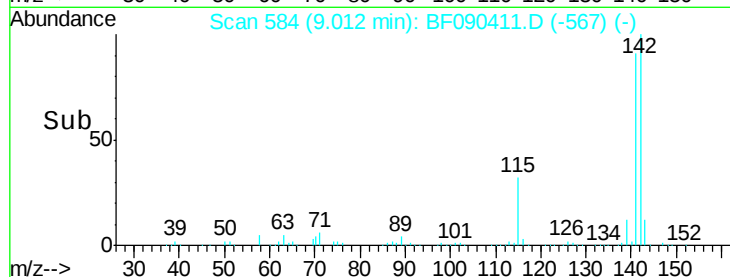
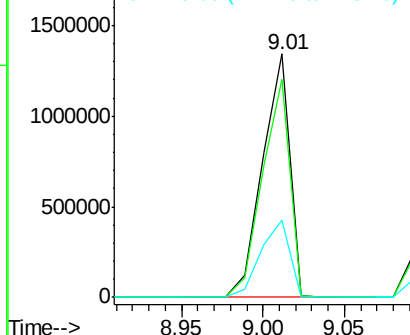
Tot Ion:142 Resp: 1561560
Ion Ratio Lower Upper
142 100
141 89.5 71.8 107.8
115 31.9 28.8 43.2

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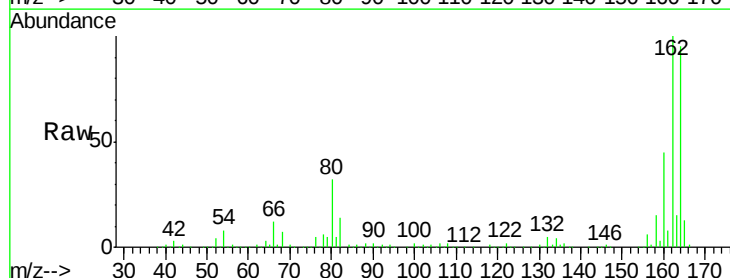


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

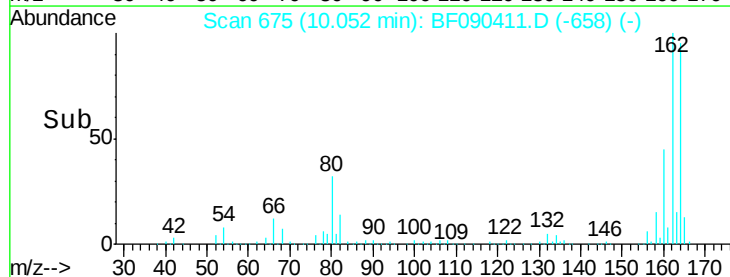
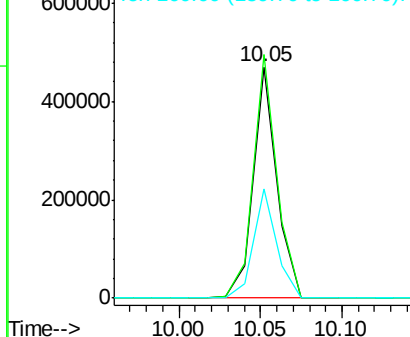


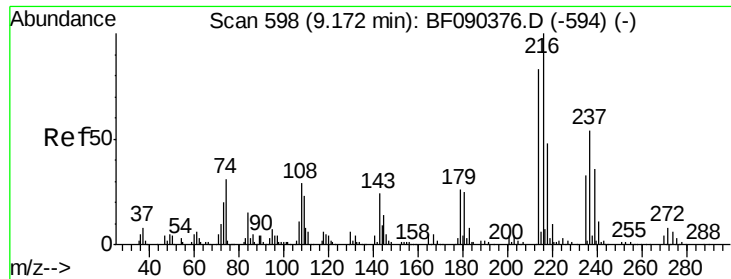
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.05 min Scan# 675
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion:164 Resp: 469913
Ion Ratio Lower Upper
164 100
162 105.2 80.1 120.1
160 47.1 36.3 54.5



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 47.93 ng

RT: 9.17 min Scan# 598

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

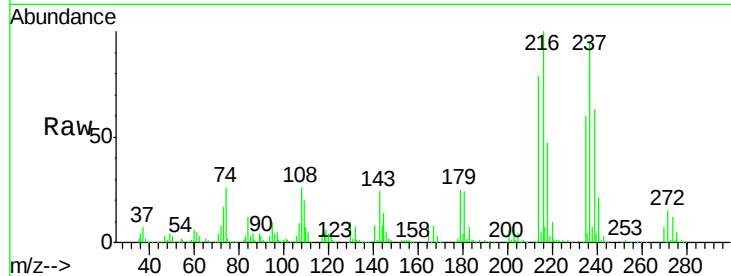
ClientSampleId :

CHA-STA-1698-D(0-2)MS

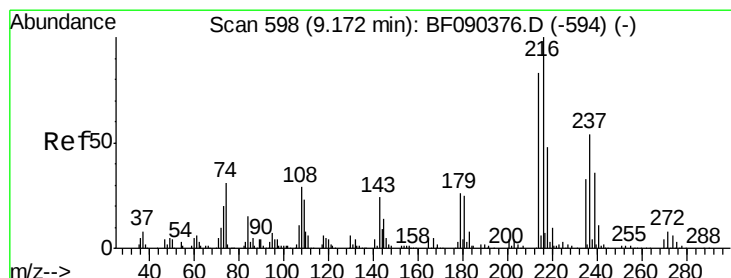
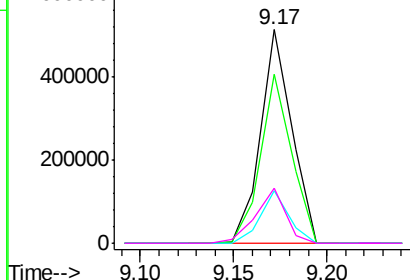
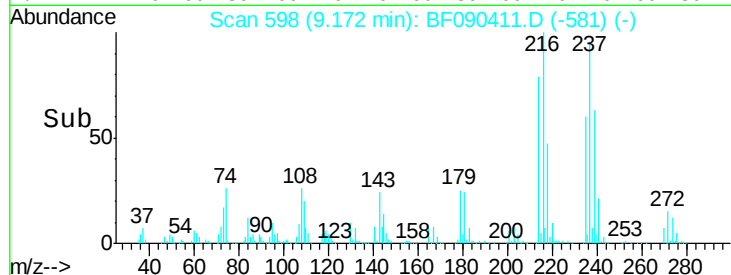
Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	79.0	64.2	96.2
179	22.8	18.0	27.0
108	24.5	15.2	22.8

Manual Integrations
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Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 111.26 ng

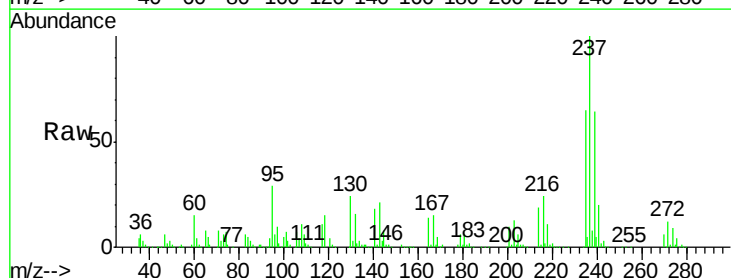
RT: 9.16 min Scan# 597

Delta R.T. -0.01 min

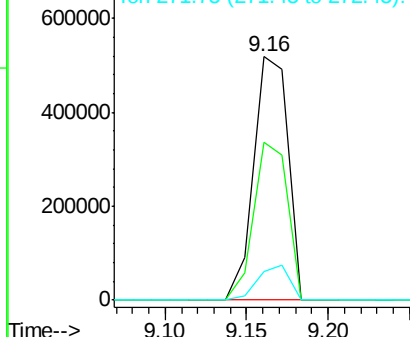
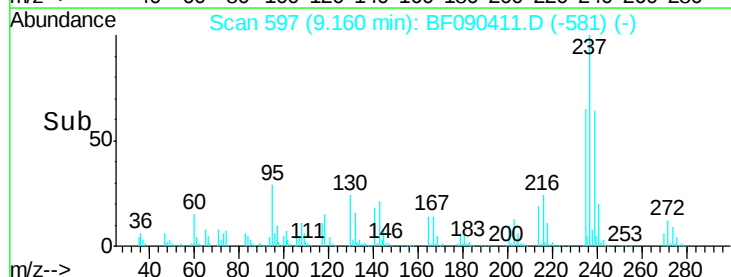
Lab File: BF090411.D

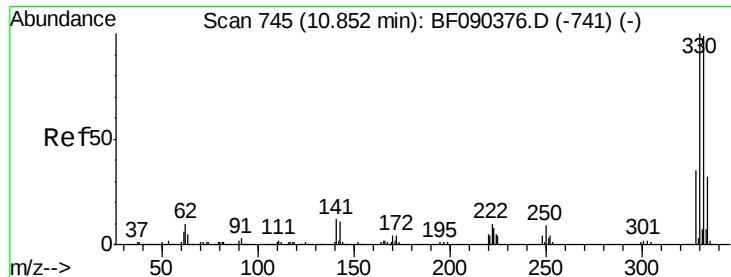
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	65.0	43.6	83.6
272	11.9	0.0	32.7



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E





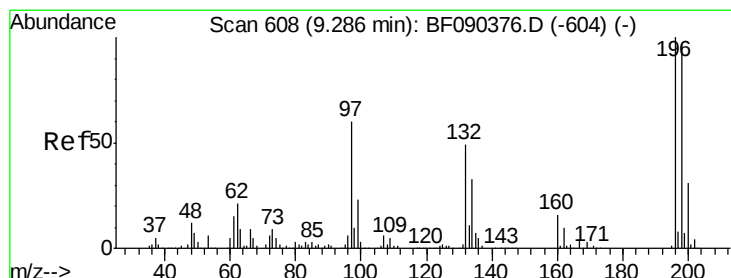
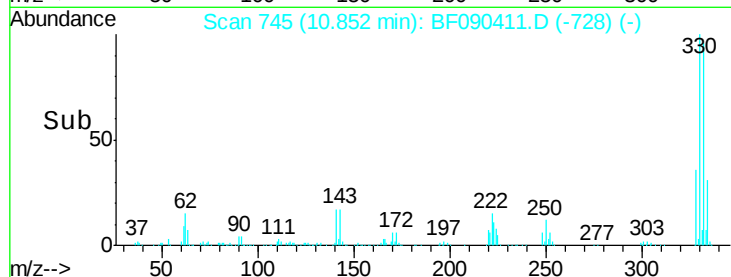
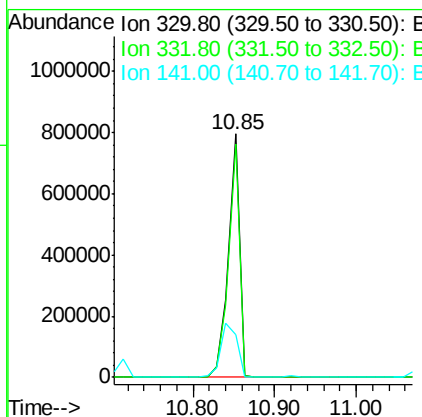
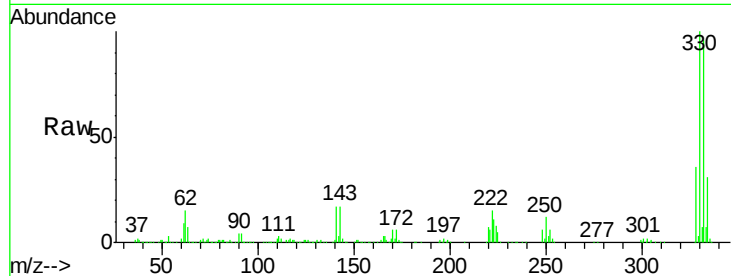
#41
 2,4,6-Tribromophenol
 Concen: 197.03 ng
 RT: 10.85 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	75.4	113.0
141	32.3	26.9	40.3

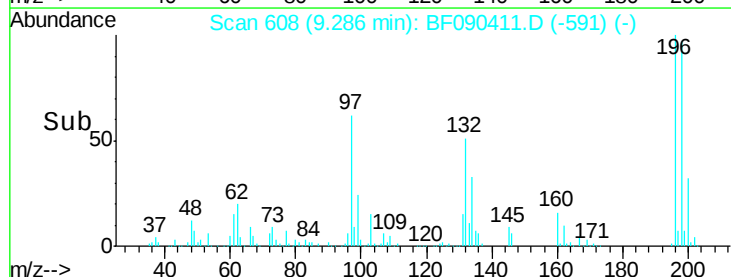
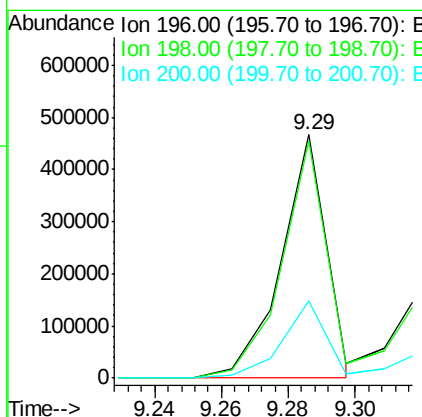
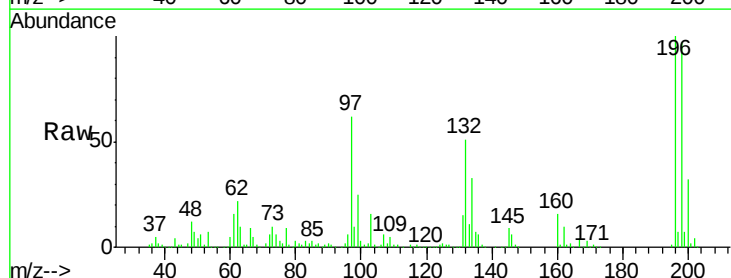
Manual Integrations
 APPROVED

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 10/6/2016 5:27:55 PM



#42
 2,4,6-Trichlorophenol
 Concen: 51.66 ng m
 RT: 9.29 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.2	78.9	118.3
200	31.6	25.4	38.2





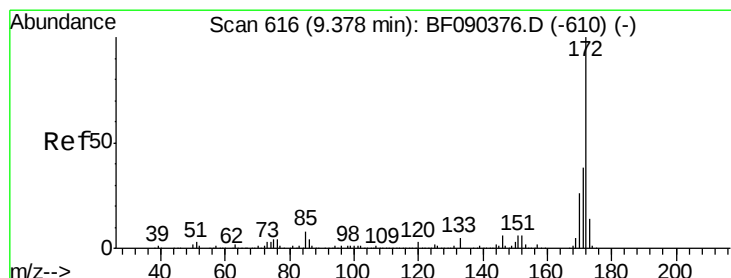
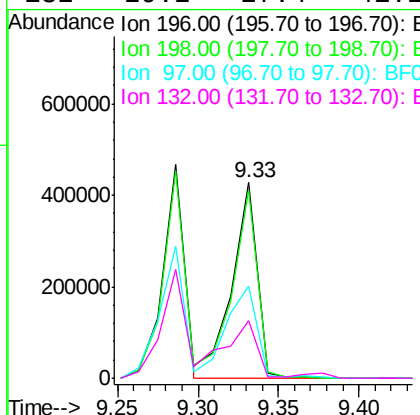
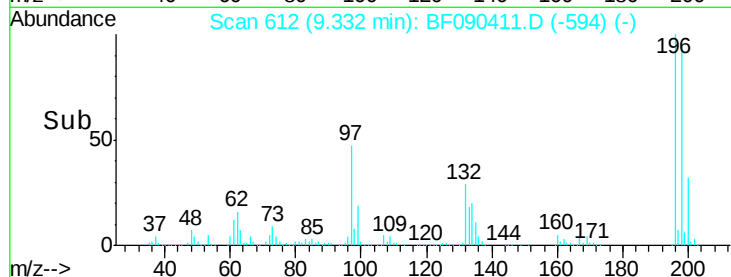
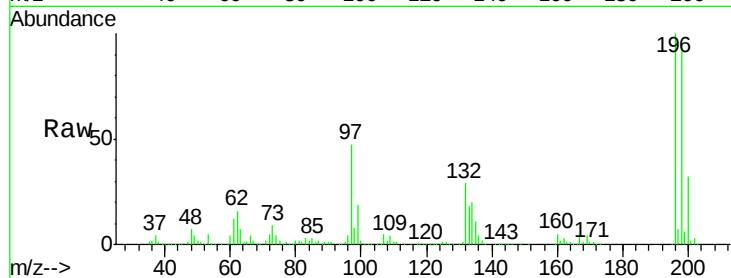
#43
 2,4,5-Trichlorophenol
 Concen: 57.85 ng/mL
 RT: 9.33 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

Tot Ion	196	Resp	467682
Ion Ratio	Lower	Upper	
196	100		
198	96.2	78.1	117.1
97	47.2	48.1	72.1#
132	29.2	27.4	41.2

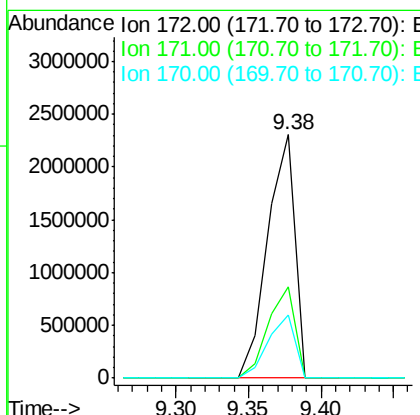
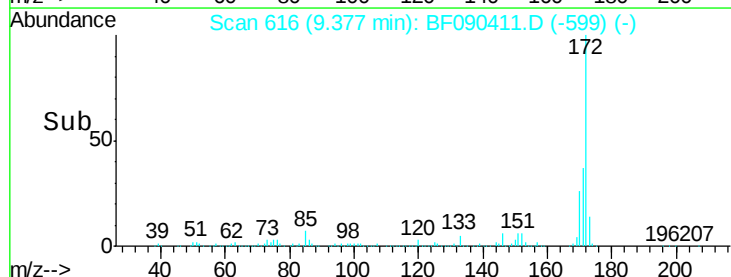
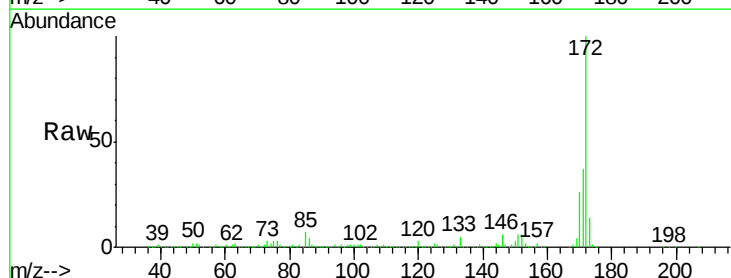
Manual Integrations
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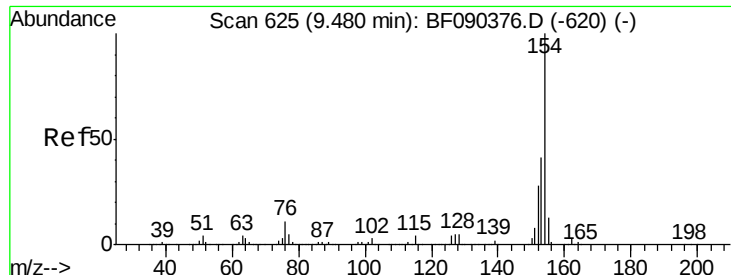
SOHIL
 10/6/2016 5:27:55 PM



#44
 2-Fluorobiphenyl
 Concen: 106.48 ng/mL
 RT: 9.38 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion	172	Resp	3003098
Ion Ratio	Lower	Upper	
172	100		
171	37.4	31.8	47.8
170	25.7	21.7	32.5





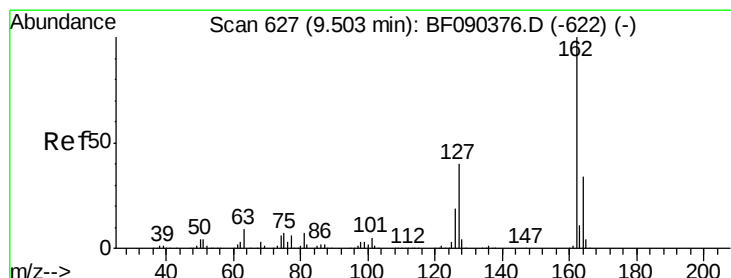
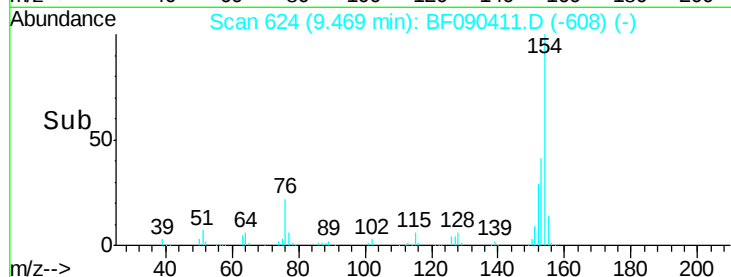
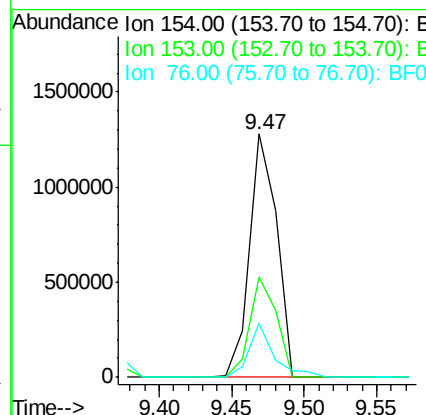
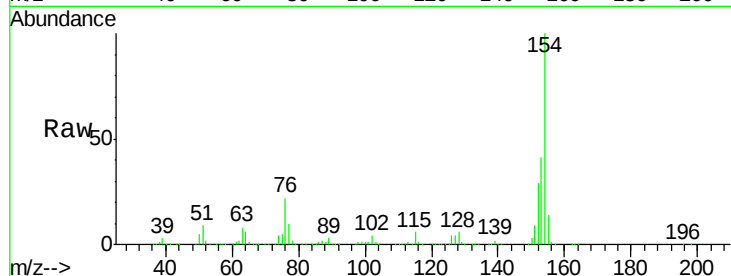
#45
1,1'-Biphenyl
Concen: 47.45 ng
RT: 9.47 min Scan# 624
Delta R.T. -0.01 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.3	23.8	63.8
76	22.3	0.0	35.8

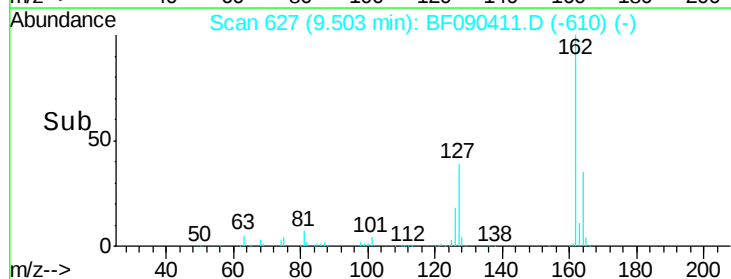
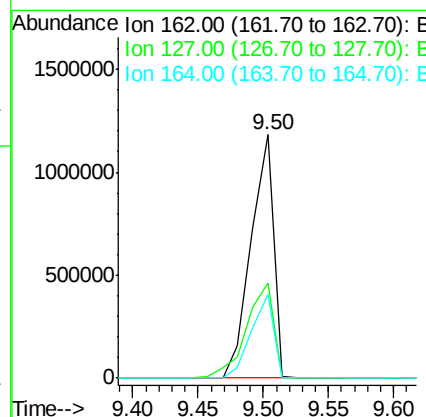
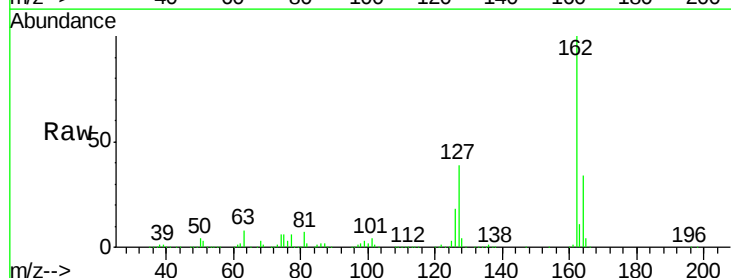
Manual Integrations
APPROVED

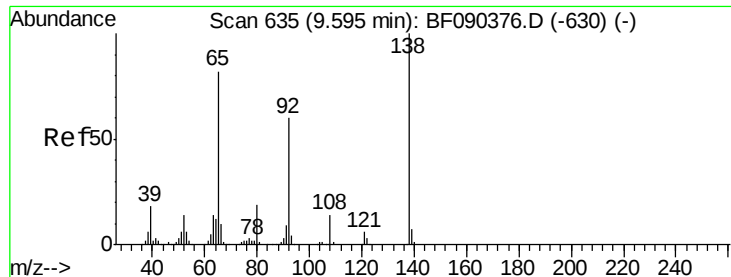
SOHIL
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#46
2-Chloronaphthalene
Concen: 55.34 ng
RT: 9.50 min Scan# 627
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.1	35.6	53.4
164	34.5	27.5	41.3





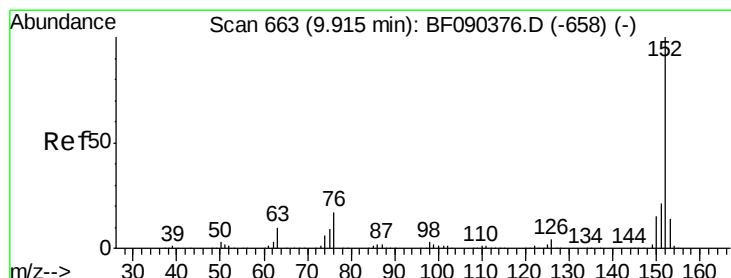
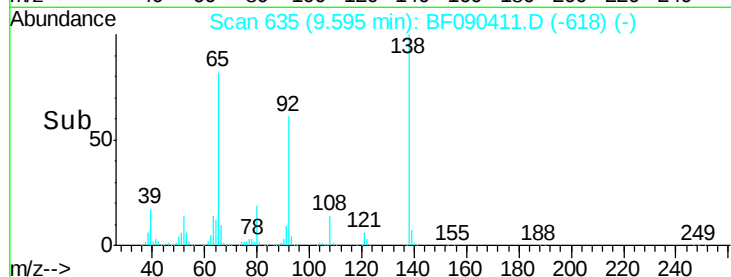
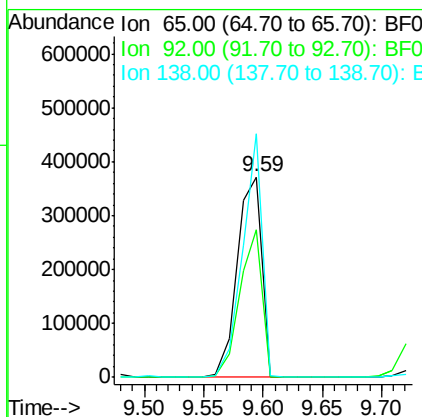
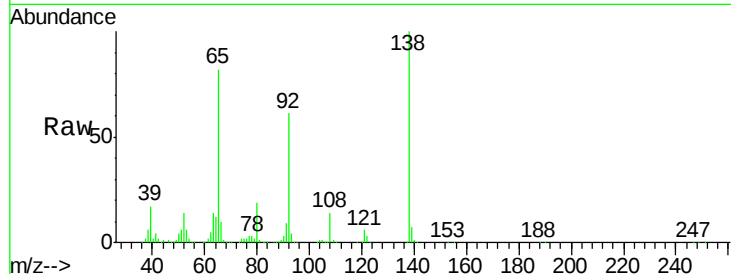
#47
2-Nitroaniline
Concen: 52.72 ng
RT: 9.59 min Scan# 635
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
65	100		
92	73.8	51.7	77.5
138	121.6	79.0	118.4

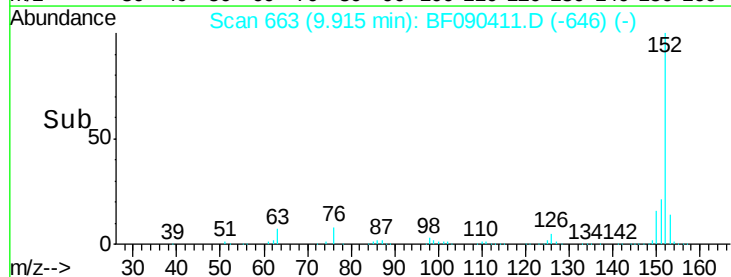
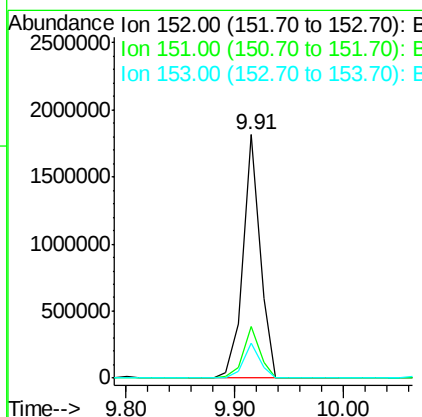
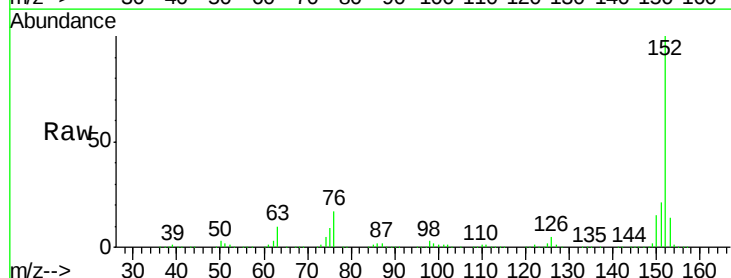
Manual Integrations
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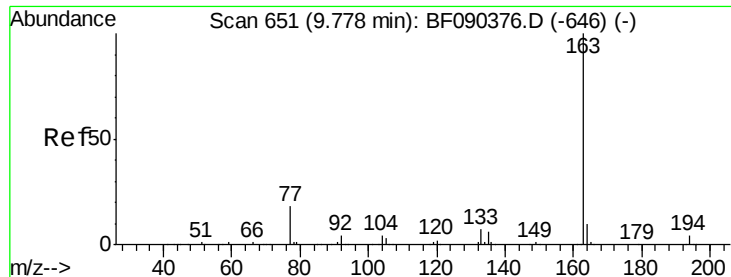
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#48
Acenaphthylene
Concen: 46.24 ng
RT: 9.91 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.4	26.0
153	14.4	11.6	17.4





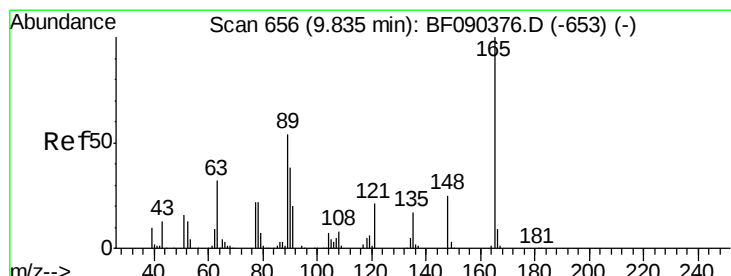
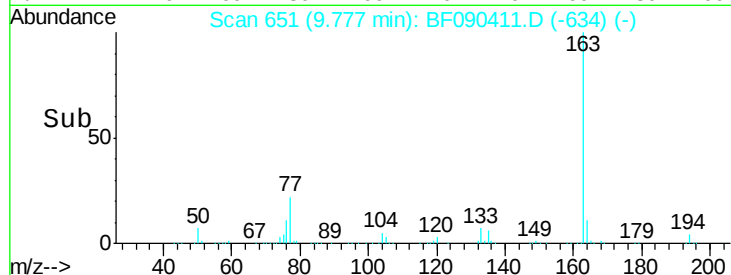
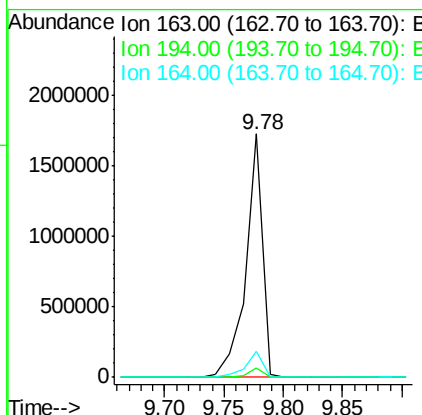
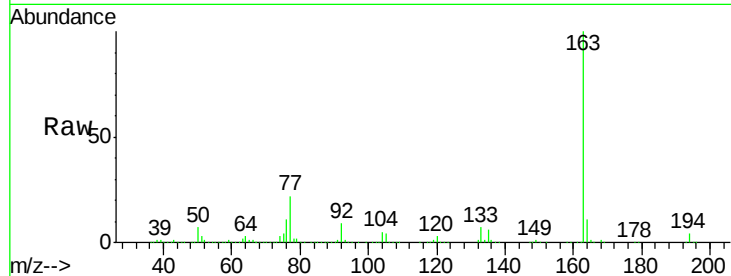
#49
Dimethylphthalate
Concen: 56.13 ng
RT: 9.78 min Scan# 651
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion:163 Resp: 1689208
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 10.7 9.0 13.4

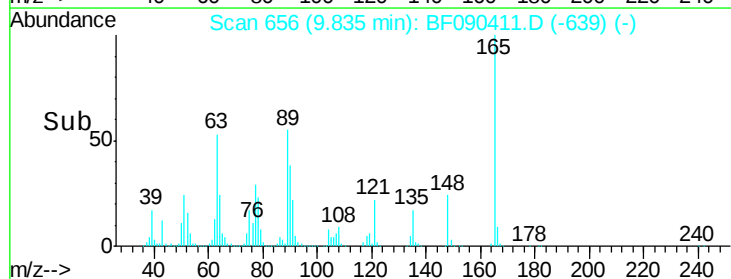
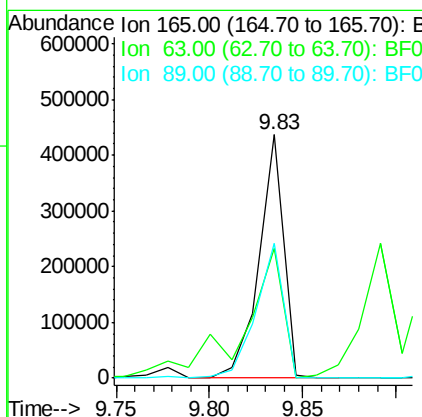
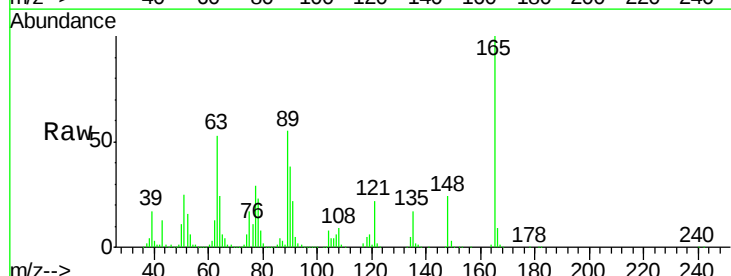
Manual Integrations
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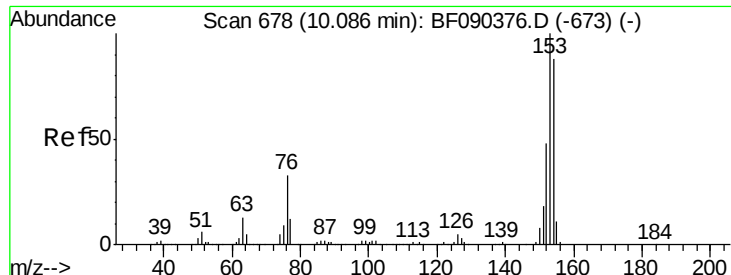
SOHIL
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#50
2,6-Dinitrotoluene
Concen: 59.21 ng
RT: 9.83 min Scan# 656
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion:165 Resp: 395624
Ion Ratio Lower Upper
165 100
63 53.4 58.0 87.0#
89 55.2 51.2 76.8





#51

Acenaphthene

Concen: 55.89 ng

RT: 10.09 min Scan# 678

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

Tot Ion:154 Resp: 1479259

Ion Ratio Lower Upper

154 100

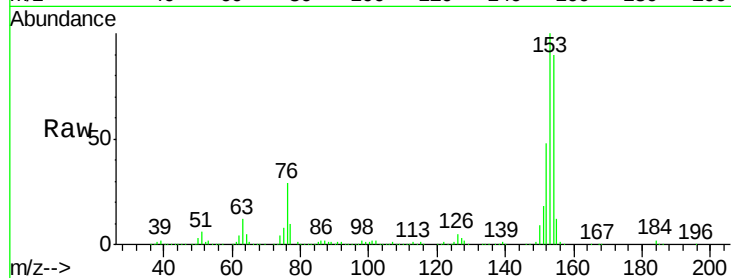
153 111.6 88.6 133.0

152 53.9 42.6 64.0

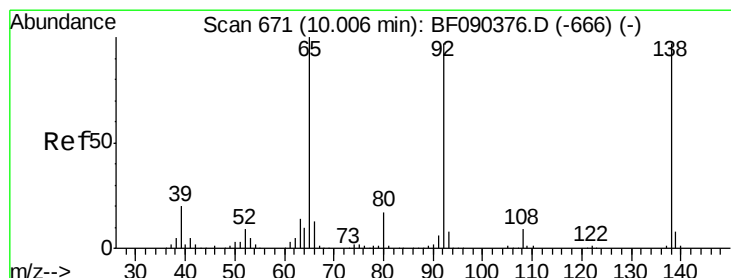
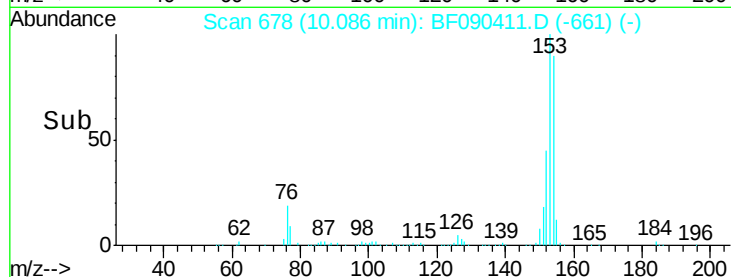
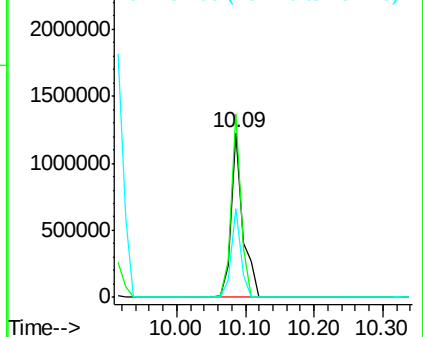
Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 10.31 ng

RT: 9.99 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

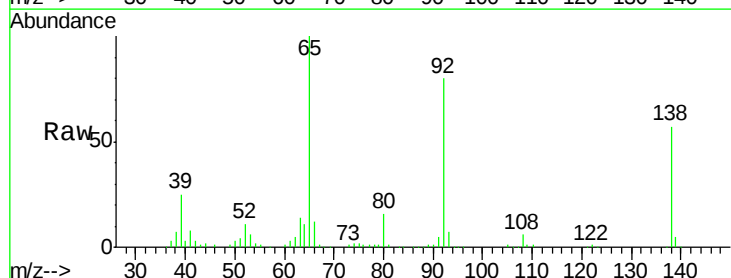
Tgt Ion:138 Resp: 80490

Ion Ratio Lower Upper

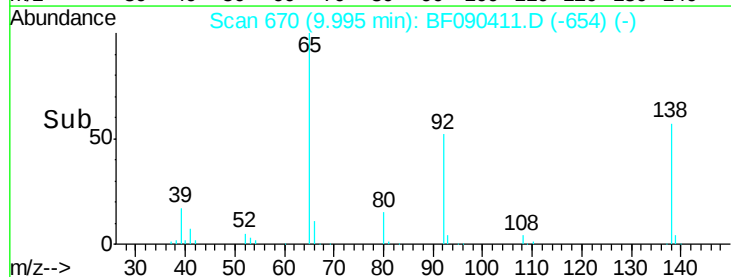
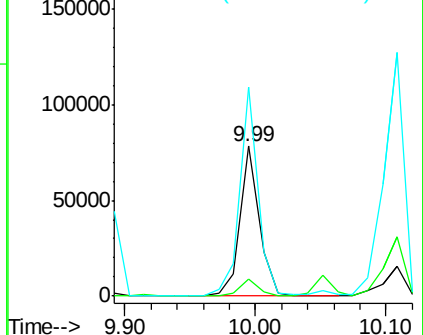
138 100

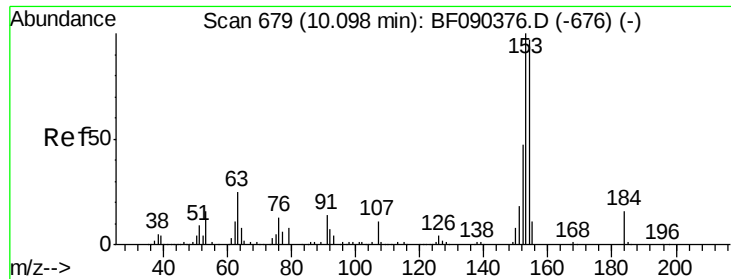
108 11.2 9.7 14.5

92 139.7 97.1 145.7



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





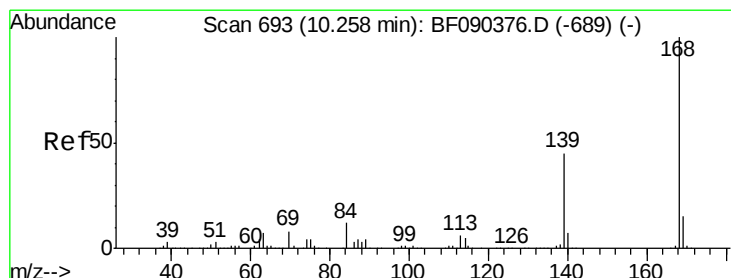
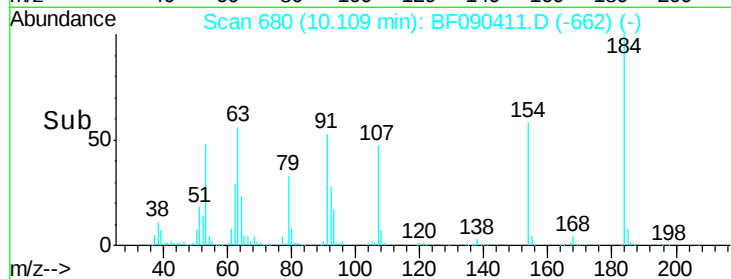
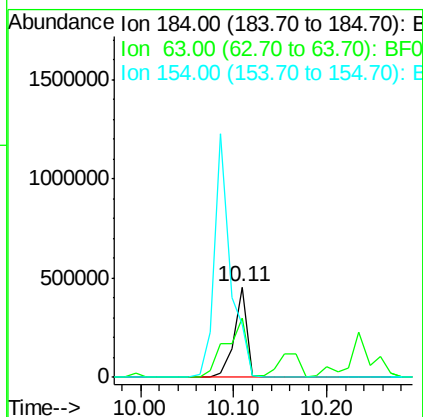
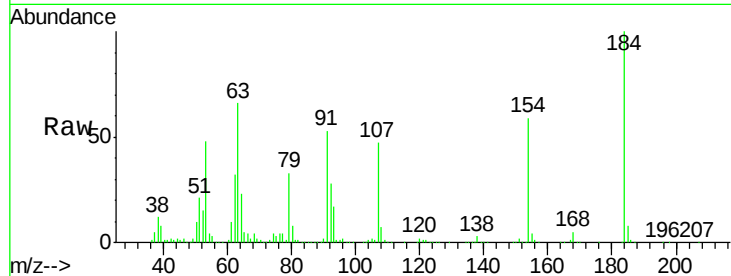
#53
2,4-Dinitrophenol
Concen: 146.91 ng
RT: 10.11 min Scan# 680
Delta R.T. 0.01 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion:184 Resp: 437629
Ion Ratio Lower Upper
184 100
63 65.7 41.9 62.9#
154 58.6 48.9 73.3

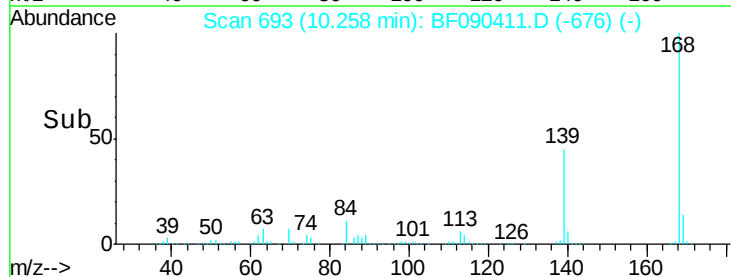
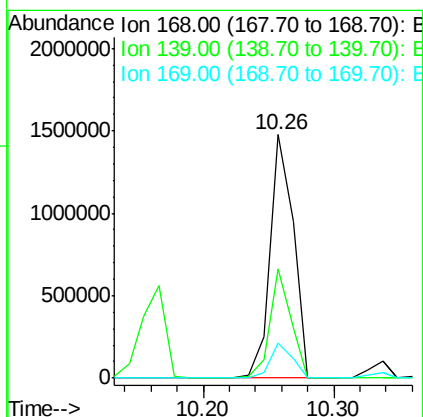
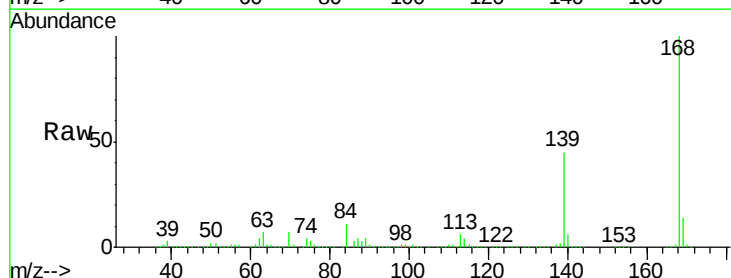
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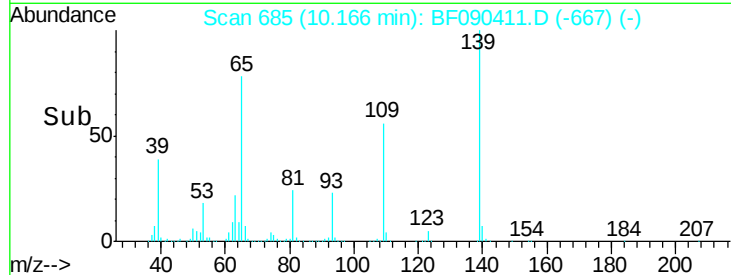
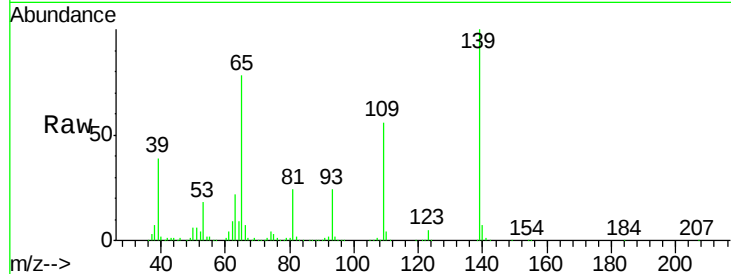
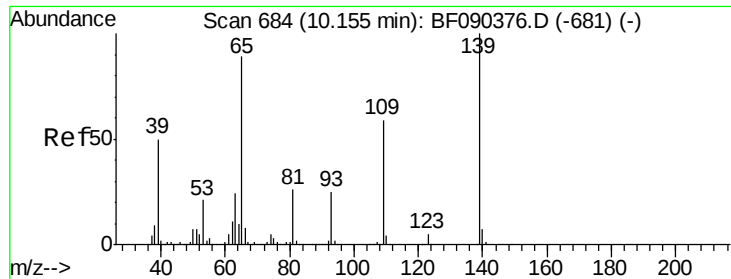
SOHIL
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#54
Dibenzofuran
Concen: 53.88 ng
RT: 10.26 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion:168 Resp: 1845931
Ion Ratio Lower Upper
168 100
139 44.7 29.6 44.4#
169 14.3 11.3 16.9





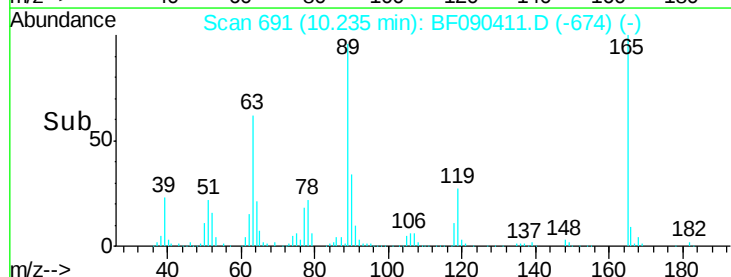
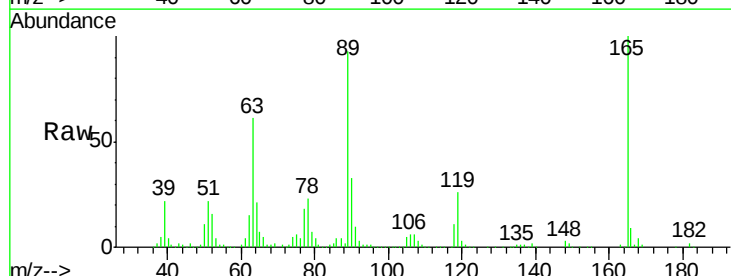
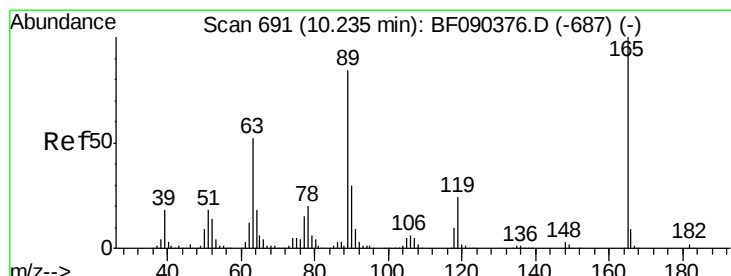
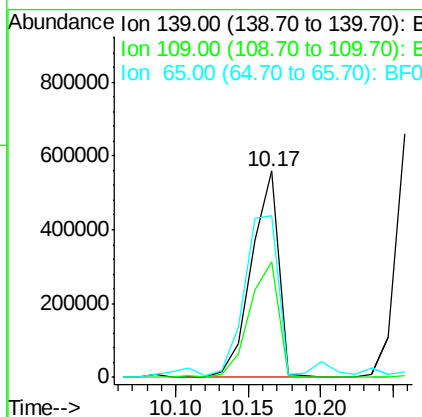
#55
4-Nitrophenol
Concen: 104.74 ng
RT: 10.17 min Scan# 685
Delta R.T. 0.01 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tot Ion	Ratio	Resp	Lower	Upper
139	100	715294		
109	56.3	43.6	83.6	
65	78.4	87.5	127.5	

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

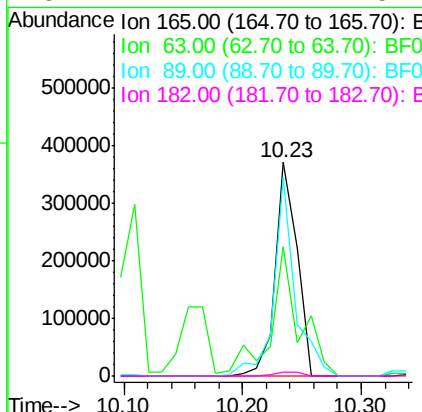
Manual Integrations
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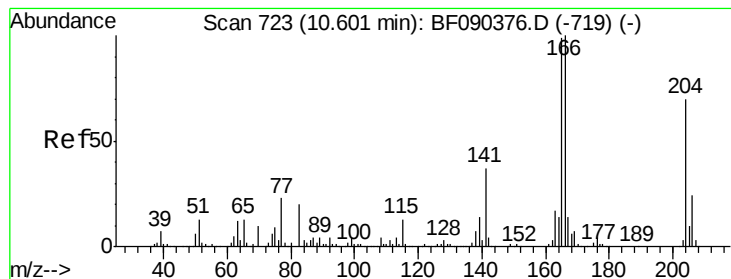
SOHIL
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#56
2,4-Dinitrotoluene
Concen: 52.62 ng
RT: 10.23 min Scan# 691
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	467876		
63	60.8	17.8	26.6	
89	93.2	33.2	49.8	
182	2.1	2.1	3.1	





#57

Fluorene

Concen: 52.85 ng

RT: 10.60 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

Tot Ion:166 Resp: 1521600

Ion Ratio Lower Upper

166 100

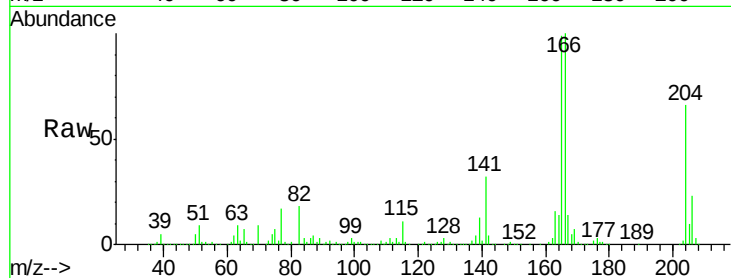
165 98.9 79.2 118.8

167 14.3 11.1 16.7

Manual Integrations
APPROVED

SOHIL

10/6/2016 5:27:55 PM

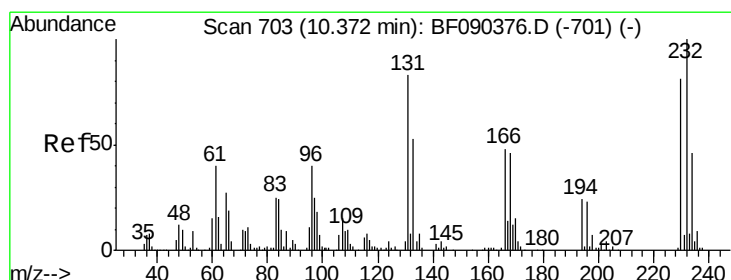
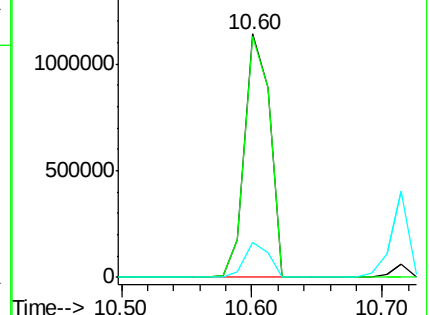
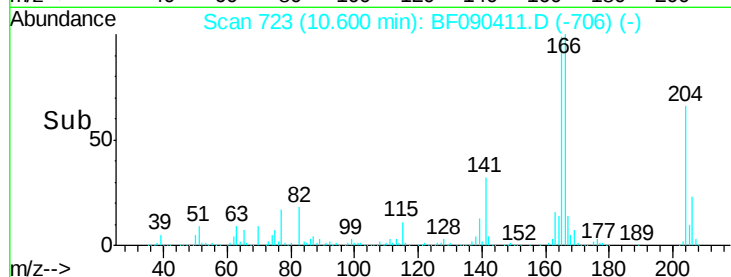


Abundance

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: 60.02 ng m

RT: 10.38 min Scan# 704

Delta R.T. 0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Tgt Ion:232 Resp: 362366

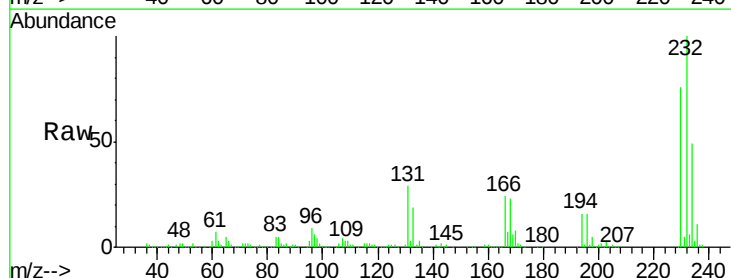
Ion Ratio Lower Upper

232 100

131 50.8 34.5 51.7

130 2.7 1.6 2.4#

166 30.4 23.8 35.8



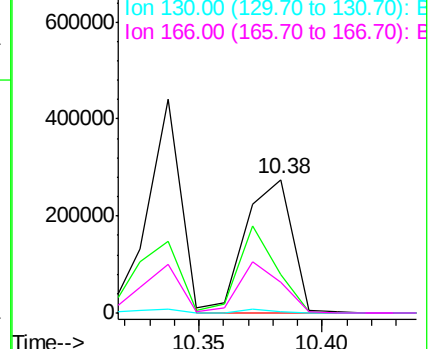
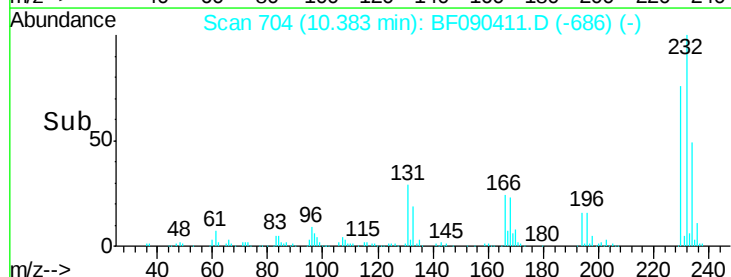
Abundance

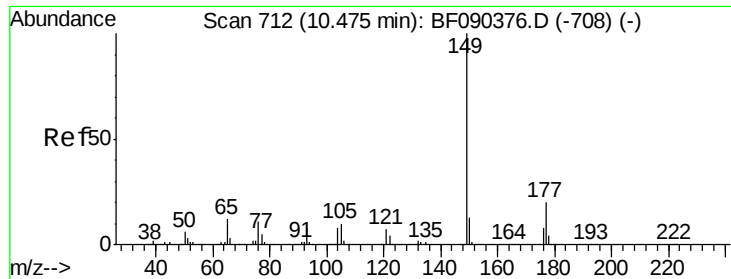
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





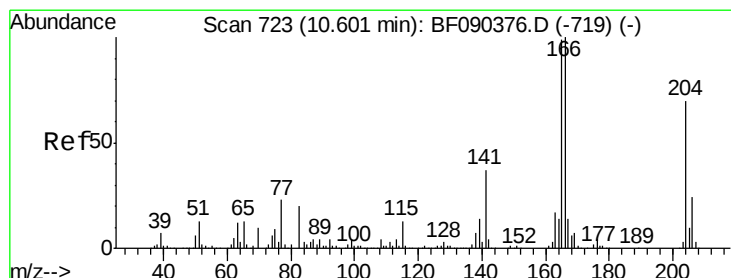
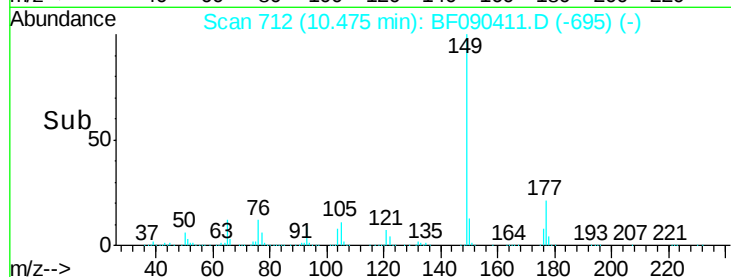
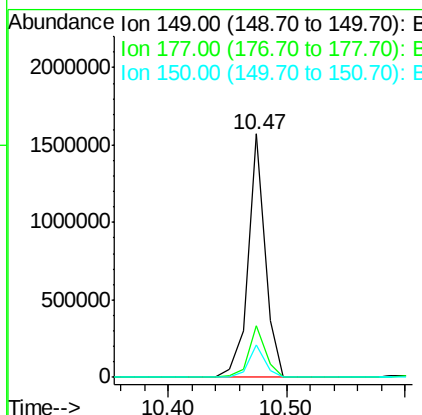
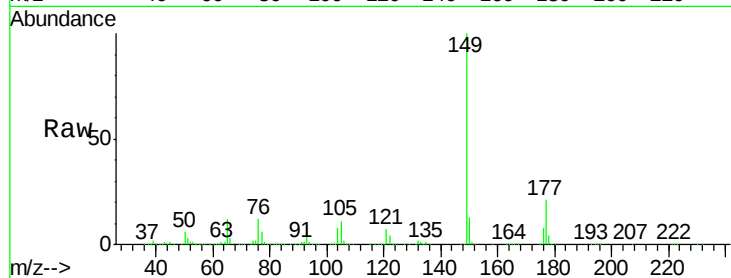
#59
Diethylphthalate
Concen: 50.38 ng
RT: 10.47 min Scan# 712
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.2	21.1	31.7
150	13.2	10.2	15.2

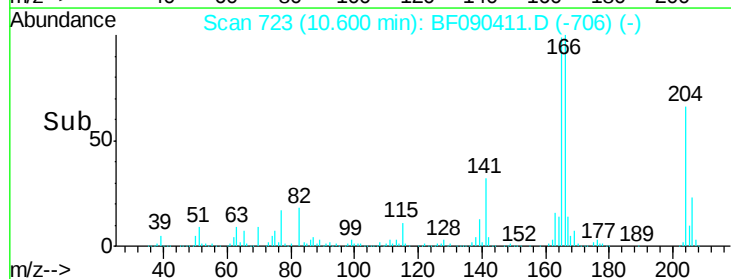
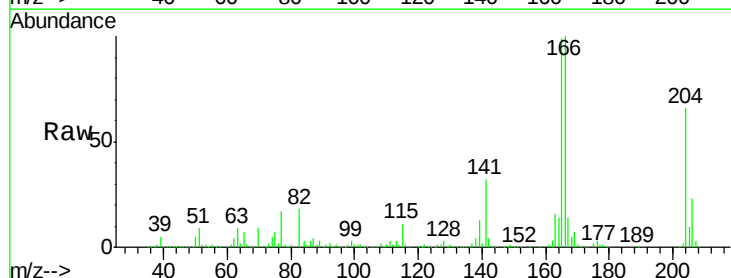
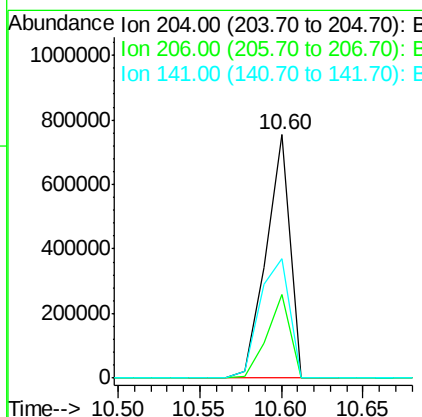
Manual Integrations
APPROVED

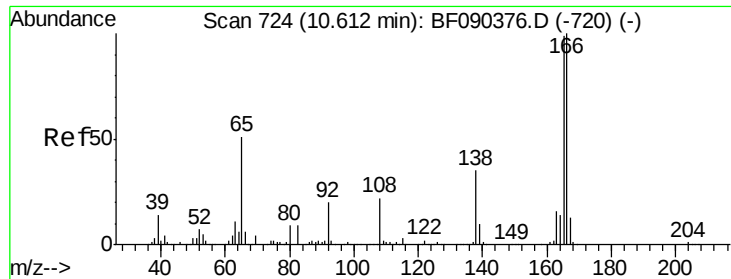
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#60
4-Chlorophenyl-phenylether
Concen: 58.68 ng
RT: 10.60 min Scan# 723
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.5	26.7	40.1
141	48.9	51.7	77.5#





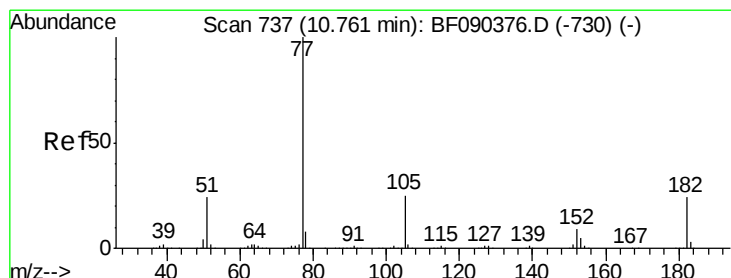
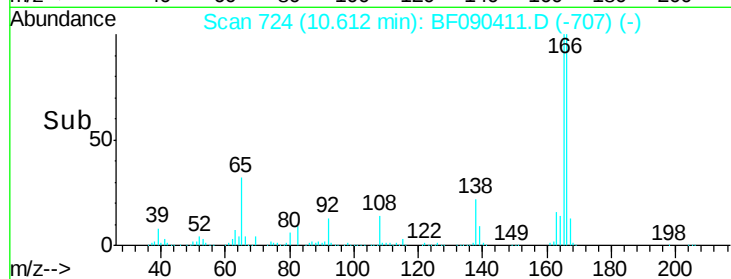
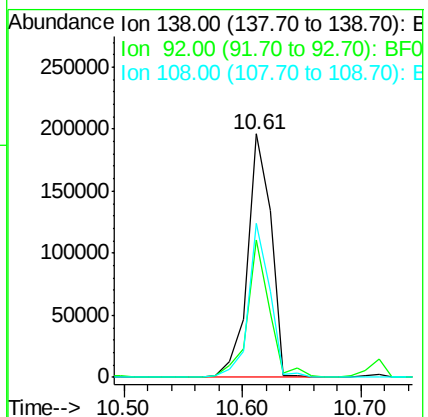
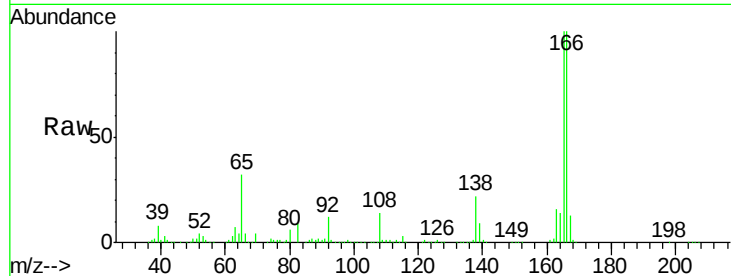
#61
4-Nitroaniline
Concen: 34.62 ng
RT: 10.61 min Scan# 724
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
138	100		
92	56.6	33.2	73.2
108	63.4	48.5	88.5

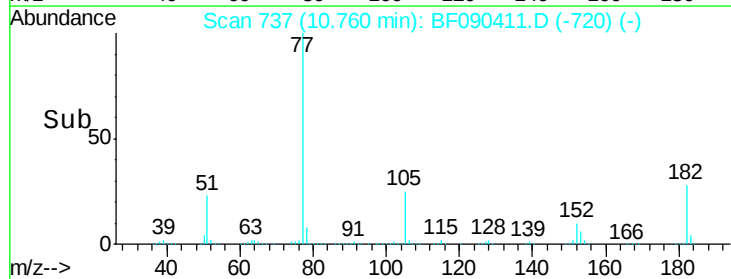
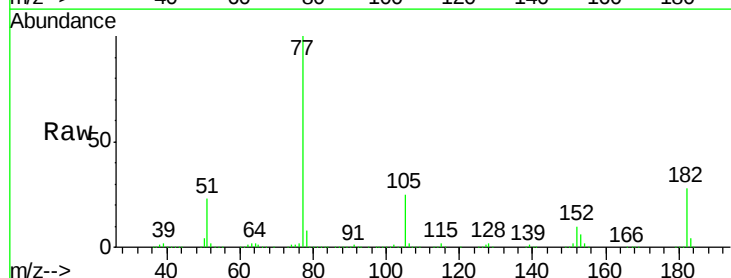
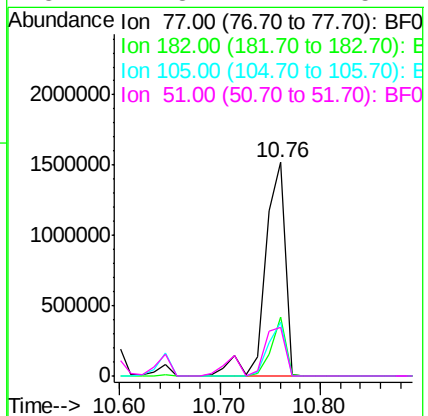
Manual Integrations
APPROVED

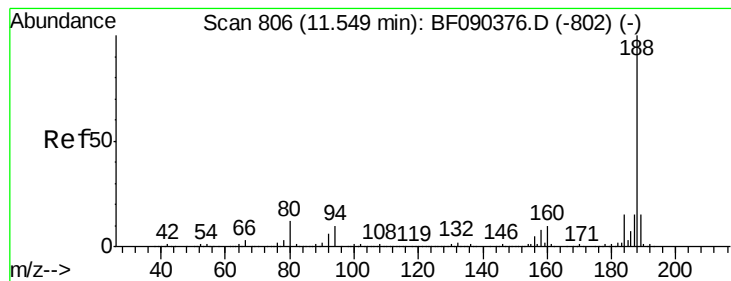
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#62
Azobenzene
Concen: 58.24 ng
RT: 10.76 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.6	3.2	43.2
105	25.3	2.9	42.9
51	22.8	14.2	54.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.55 min Scan# 806

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

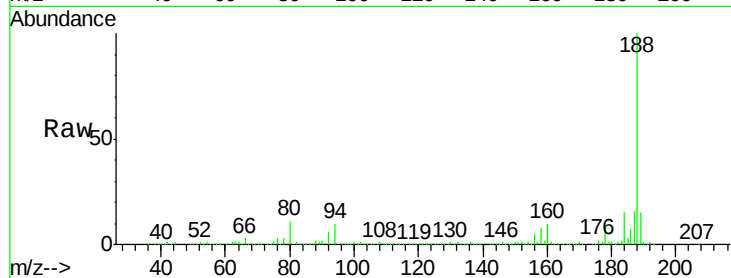
ClientSampleId :

CHA-STA-1698-D(0-2)MS

Tot Ion:	188	Resp:	770421
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.2	12.2
80	11.0	8.8	13.2

Manual Integrations
APPROVED

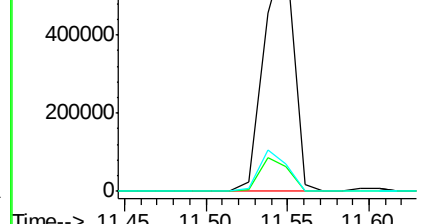
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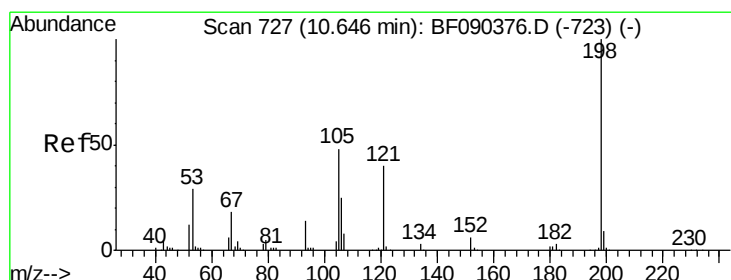
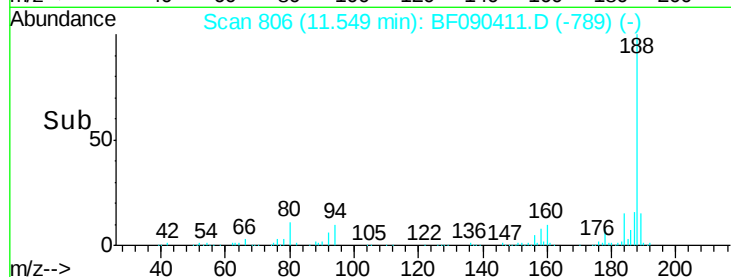
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time--> 11.45 11.50 11.55 11.60



#64

4,6-Dinitro-2-methylphenol

Concen: 49.28 ng

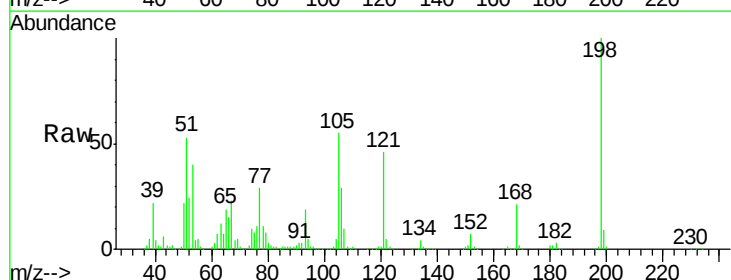
RT: 10.65 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

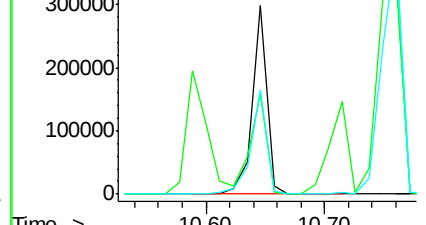
Tgt Ion:	198	Resp:	257169
Ion Ratio	Lower	Upper	
198	100		
51	53.2	67.3	107.3#
105	54.7	42.6	82.6



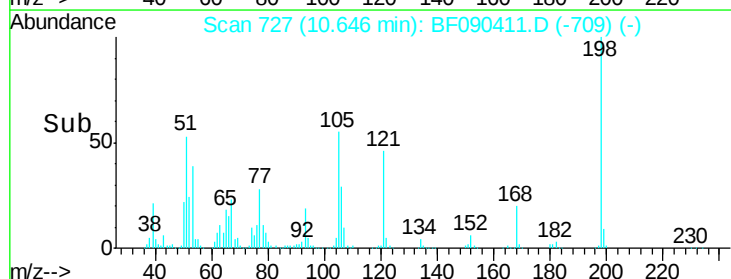
Abundance Ion 198.00 (197.70 to 198.70): E

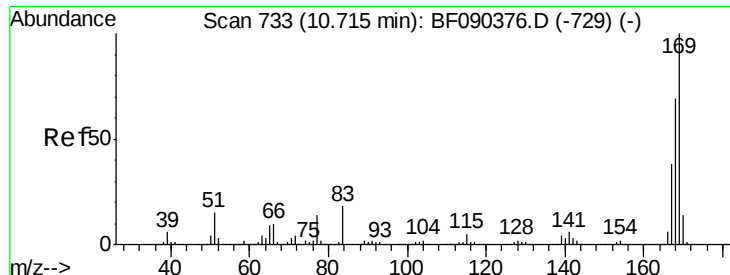
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



Time--> 10.60 10.70





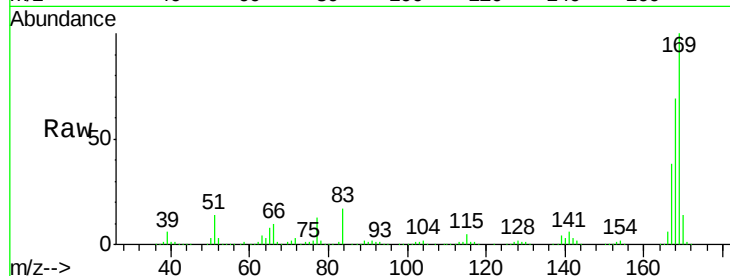
#65
n-Nitrosodiphenylamine
Concen: 38.59 ng
RT: 10.71 min Scan# 733
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

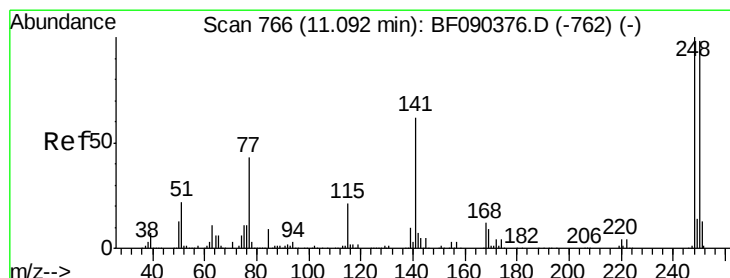
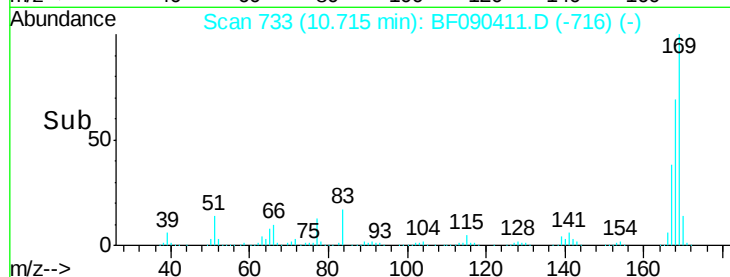
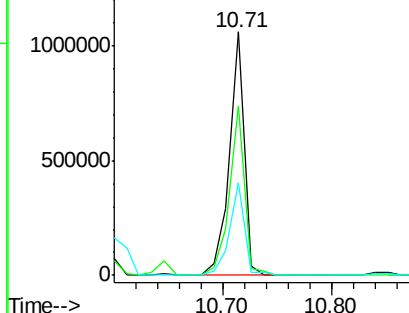
Tot Ion	Ratio	Resp	Lower	Upper
169	100	996167		
168	69.4	53.8	80.6	
167	38.2	29.8	44.8	

Manual Integrations
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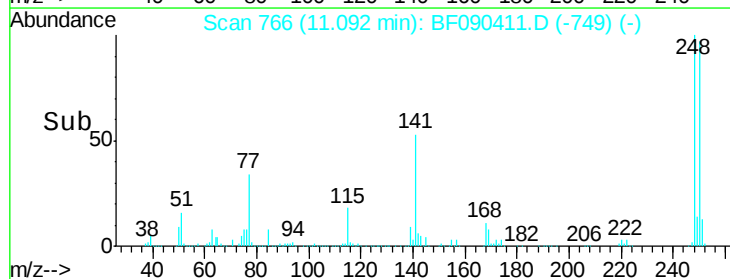
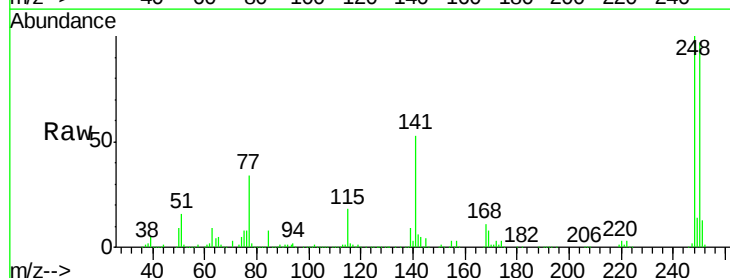
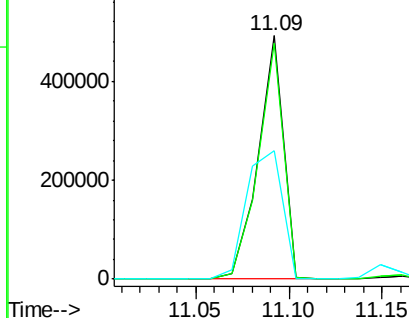
Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

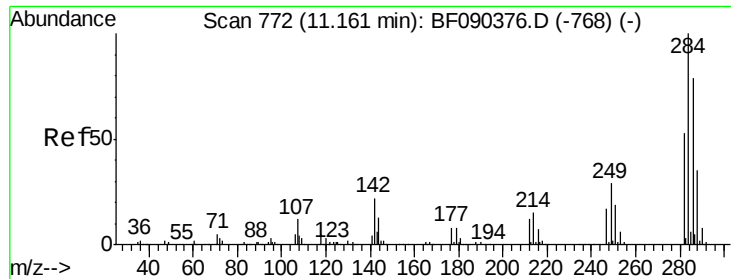


#66
4-Bromophenyl-phenylether
Concen: 60.76 ng
RT: 11.09 min Scan# 766
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	458880		
250	97.1	76.5	114.7	
141	52.7	59.8	89.6	

Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





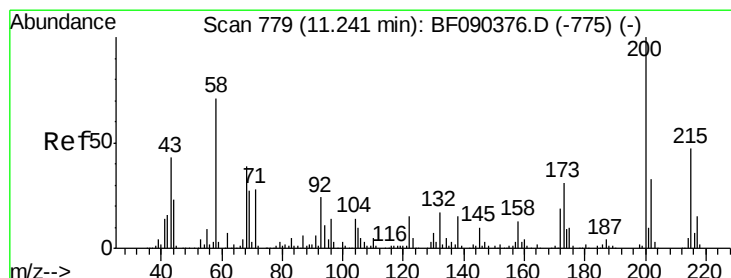
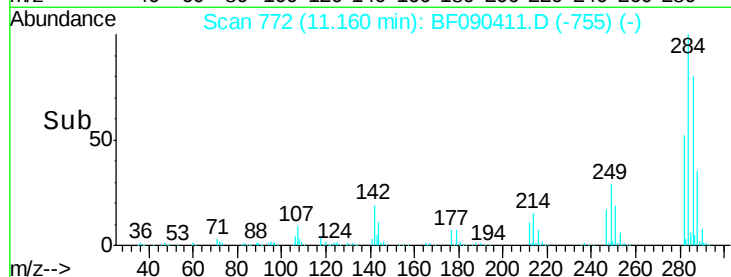
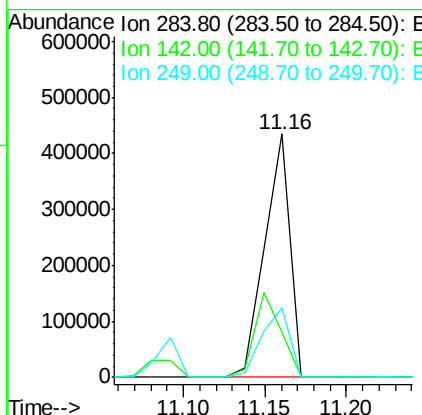
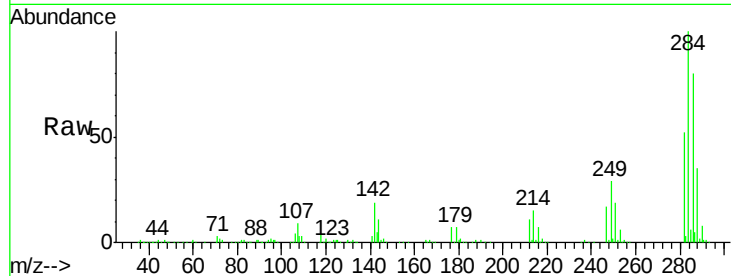
#67
Hexachlorobenzene
Concen: 55.81 ng
RT: 11.16 min Scan# 772
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Resp	Lower	Upper
284	100	469412		
142	18.6	23.1	34.7#	
249	28.6	26.3	39.5	

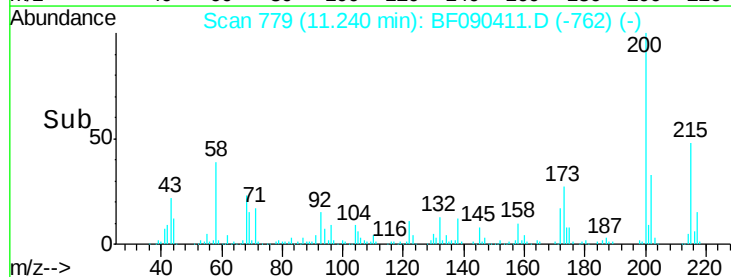
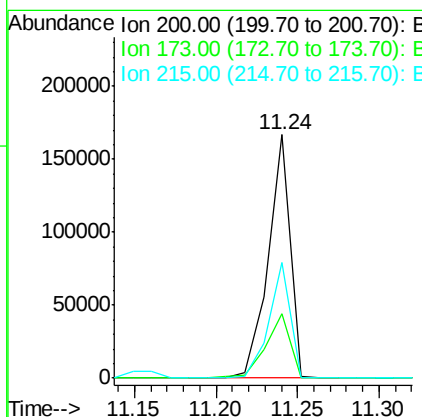
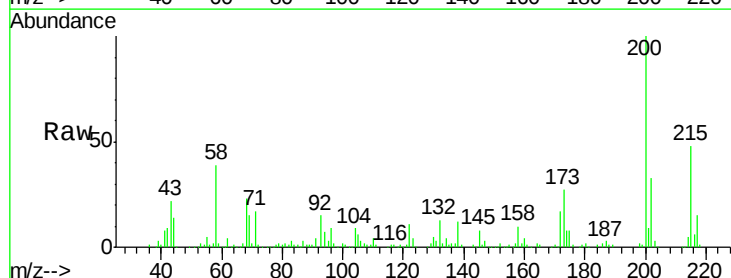
Manual Integrations
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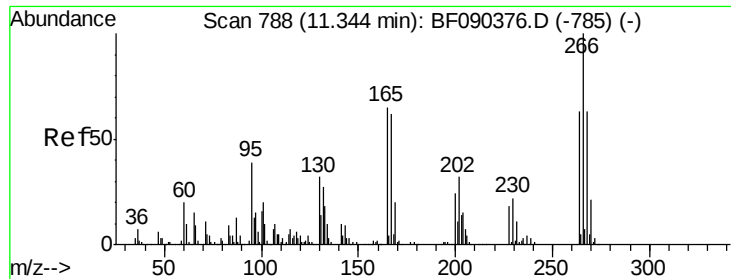
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10/6/2016 5:27:55 PM



#68
Atrazine
Concen: 24.50 ng
RT: 11.24 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	155963		
173	26.7	9.0	49.0	
215	47.6	24.8	64.8	





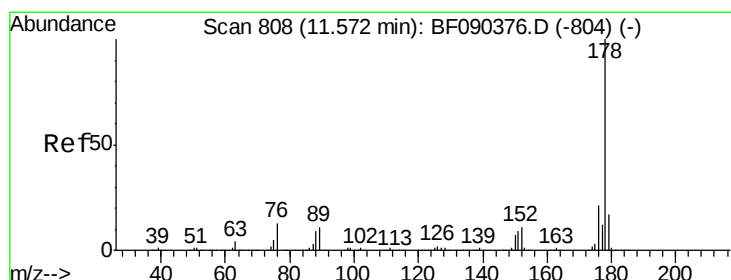
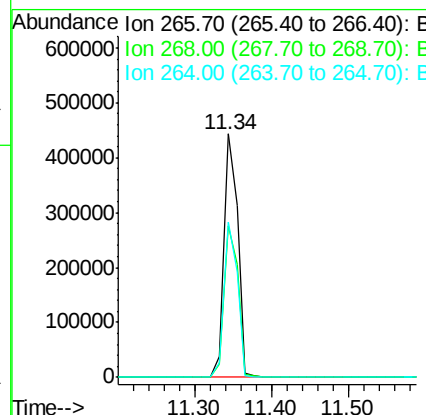
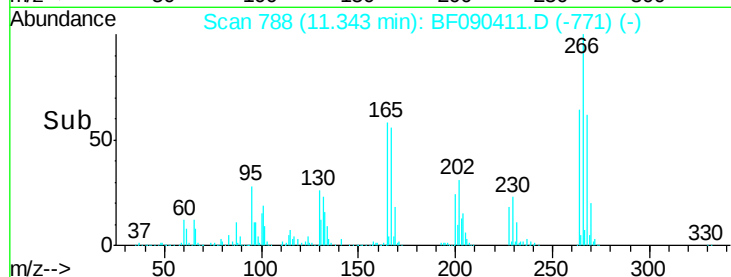
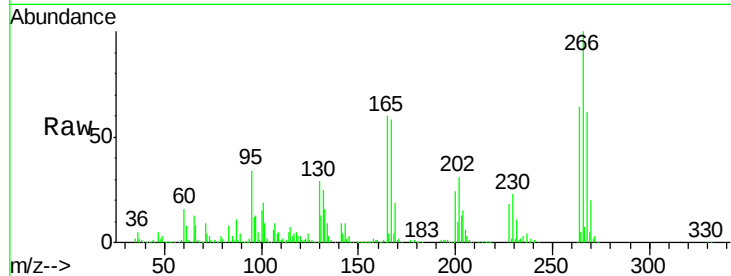
#69
 Pentachlorophenol
 Concen: 111.64 ng
 RT: 11.34 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
266	100		
268	62.2	50.9	76.3
264	63.6	51.5	77.3

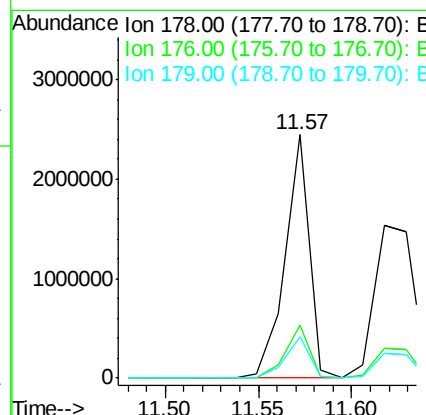
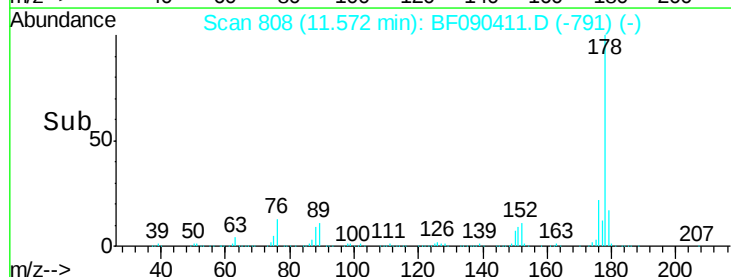
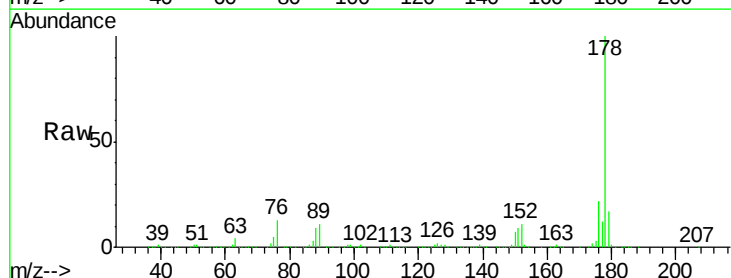
Manual Integrations
 APPROVED

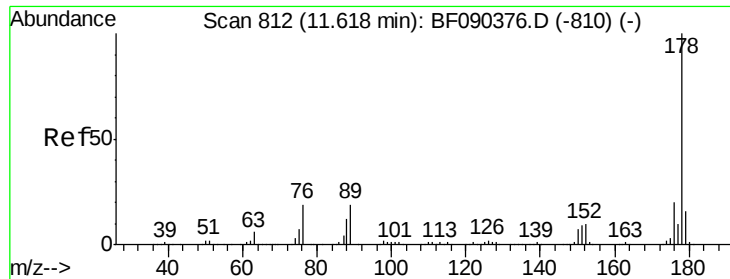
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 10/6/2016 5:27:55 PM



#70
 Phenanthrene
 Concen: 56.33 ng
 RT: 11.57 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.5	17.3	25.9
179	16.8	13.8	20.6





#71
 Anthracene
 Concen: 53.72 ng
 RT: 11.62 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

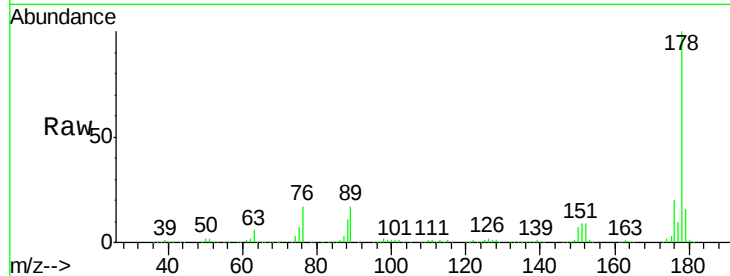
Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

Tot Ion:178 Resp: 2164107

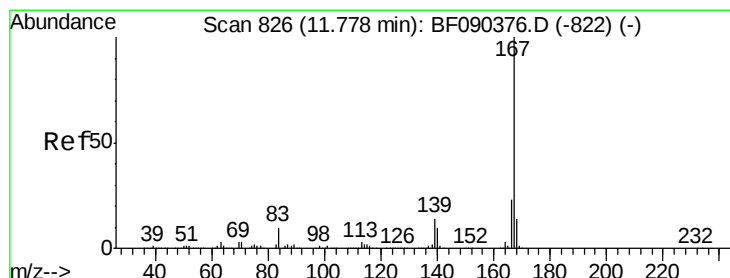
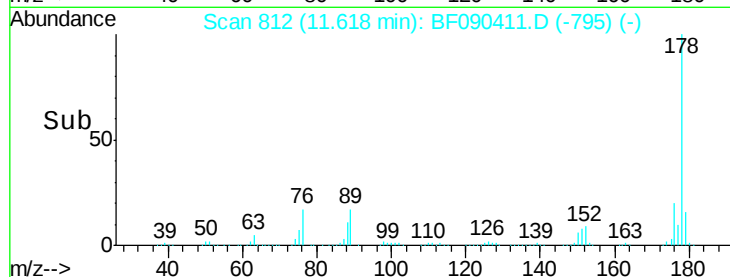
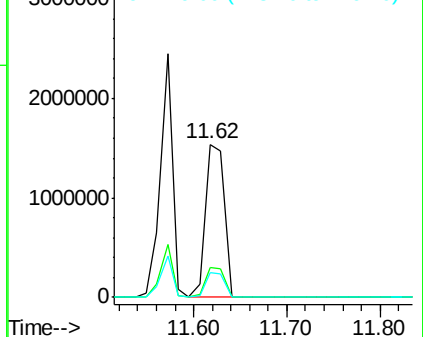
Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.8	25.2
179	16.4	13.4	20.2

Manual Integrations
 APPROVED

SOHIL
 10/6/2016 5:27:55 PM



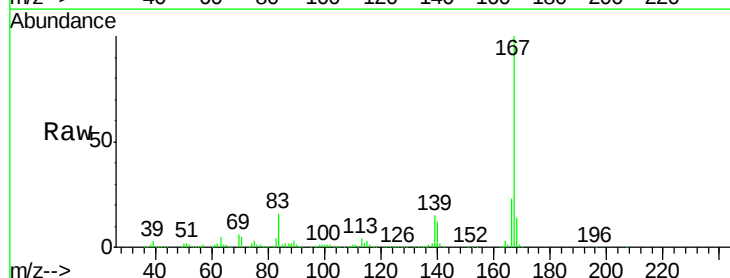
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



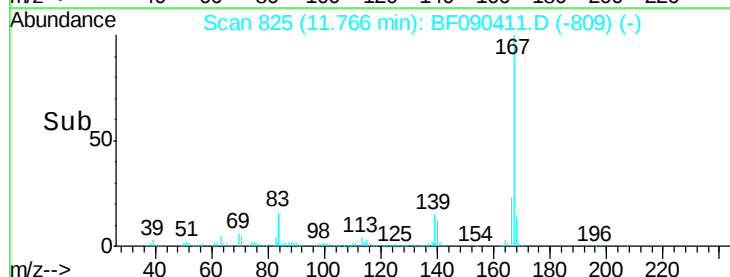
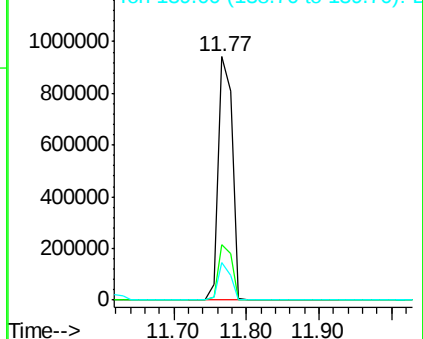
#72
 Carbazole
 Concen: 33.60 ng
 RT: 11.77 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

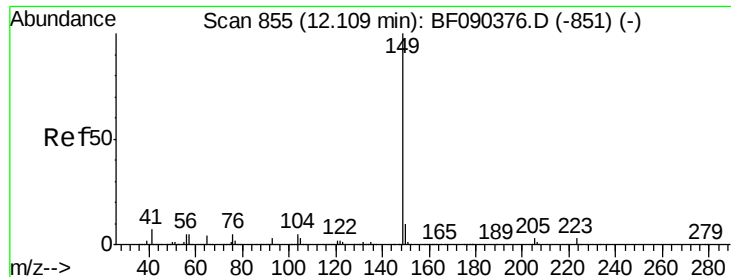
Tgt Ion:167 Resp: 1257557

Ion	Ratio	Lower	Upper
167	100		
166	22.6	19.1	28.7
139	15.3	12.1	18.1



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





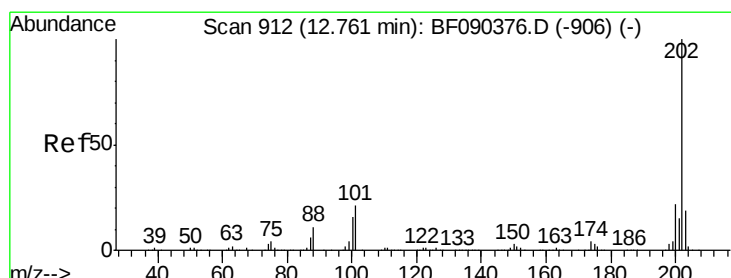
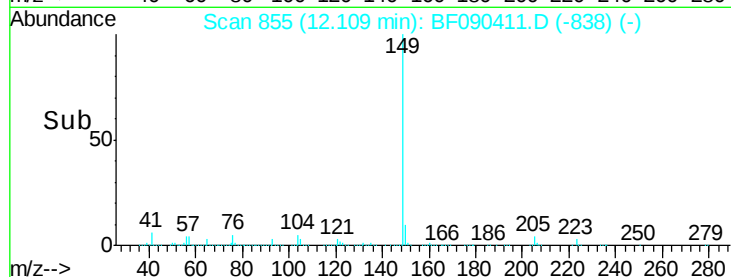
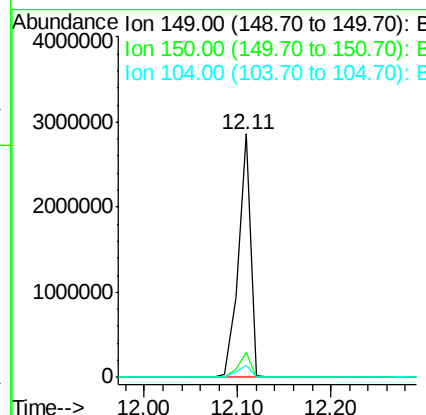
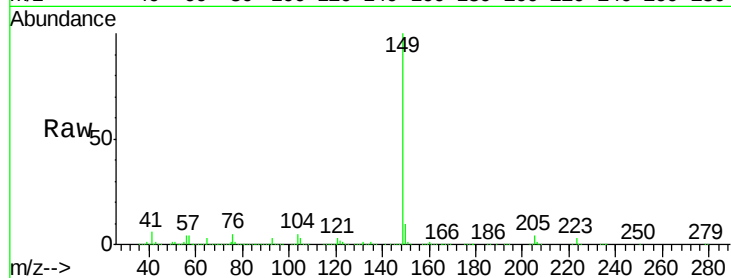
#73
Di-n-butylphthalate
Concen: 58.29 ng
RT: 12.11 min Scan# 855
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
149	100		
150	10.3	8.6	12.8
104	5.0	4.7	7.1

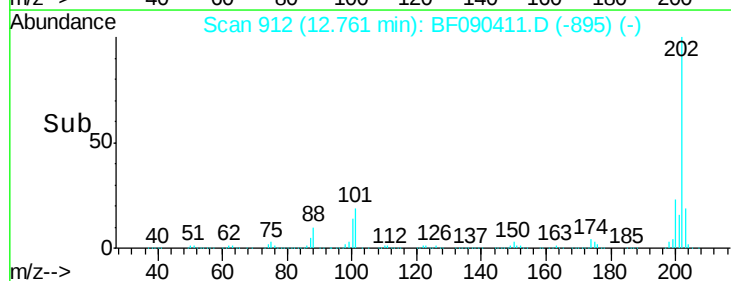
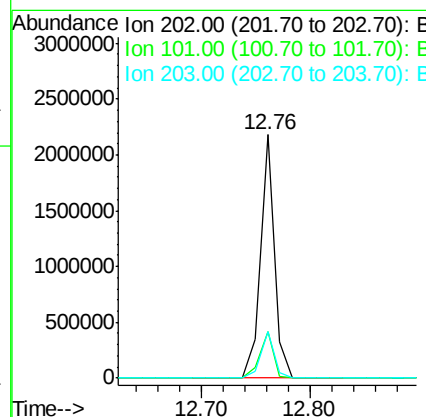
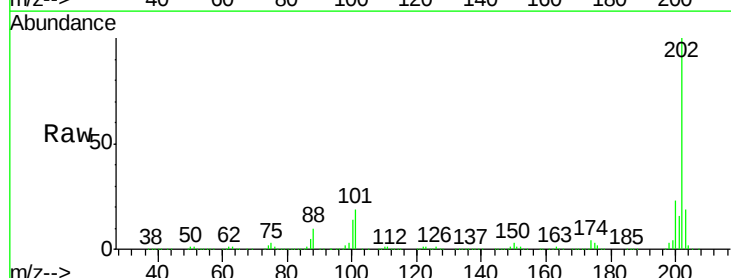
Manual Integrations
APPROVED

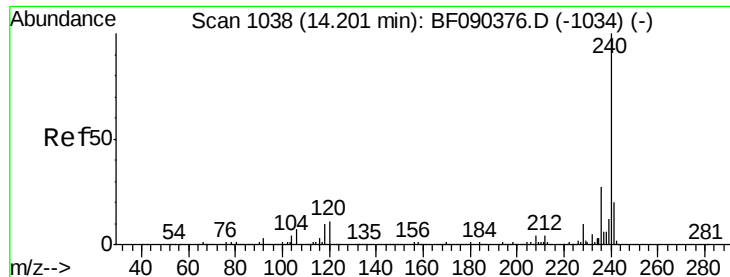
SOHIL
10/6/2016 5:27:55 PM



#74
Fluoranthene
Concen: 51.00 ng
RT: 12.76 min Scan# 912
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.9	0.0	37.2
203	19.3	0.0	39.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.20 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

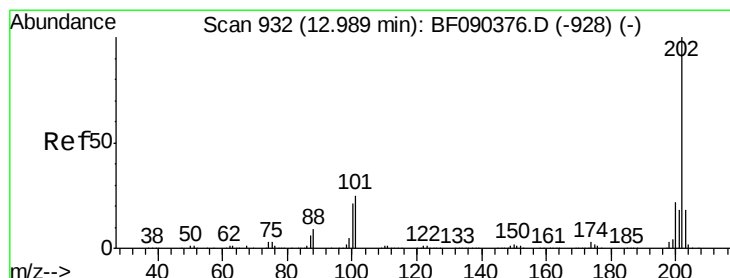
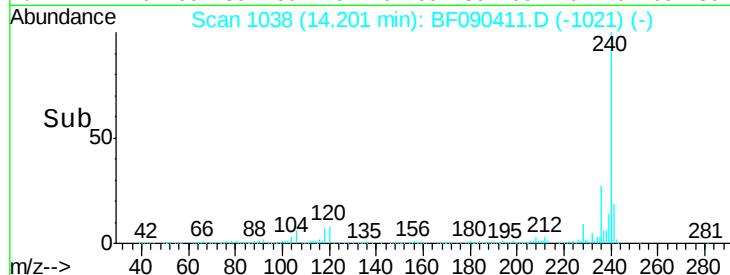
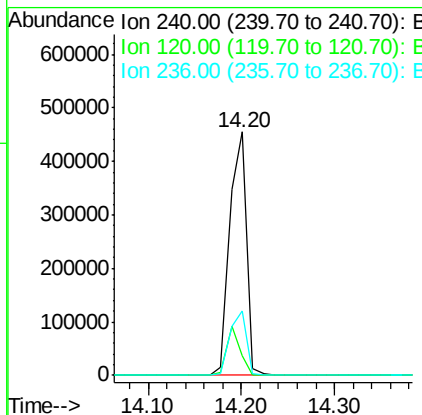
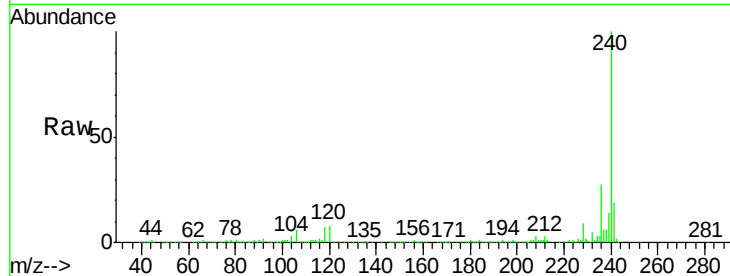
ClientSampleId :

CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.0	8.6	13.0#
236	26.6	21.6	32.4

Manual Integrations
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10/6/2016 5:27:55 PM



#77

Pyrene

Concen: 52.37 ng

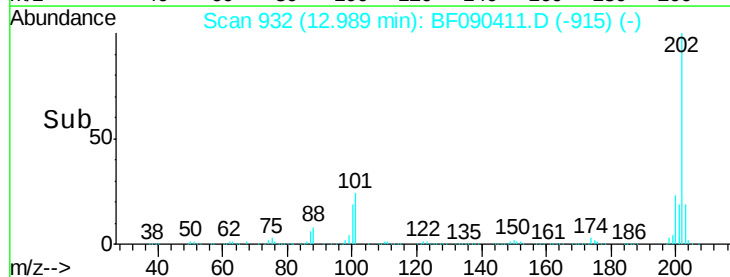
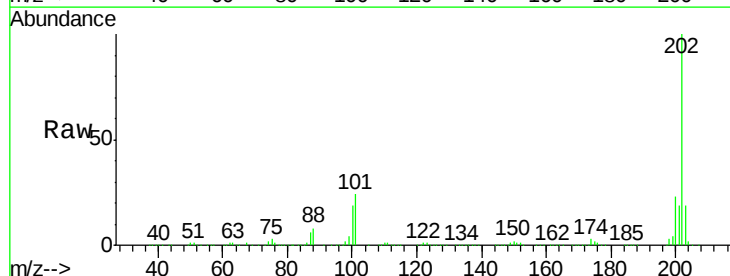
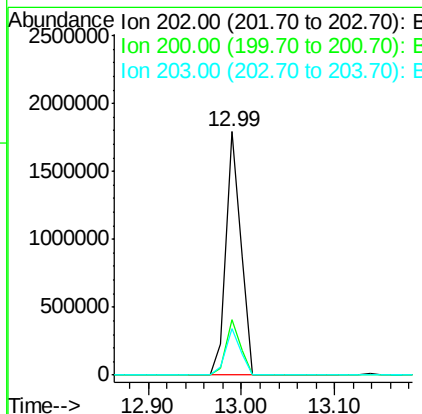
RT: 12.99 min Scan# 932

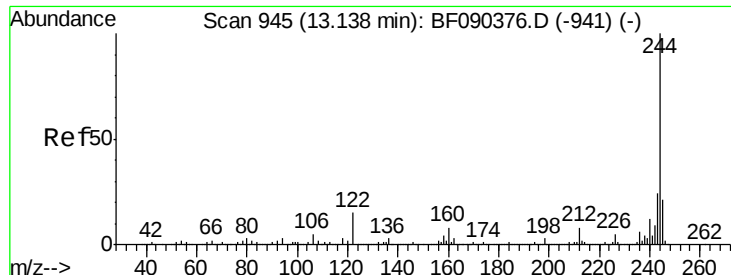
Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.9	18.5	27.7
203	18.8	15.0	22.6





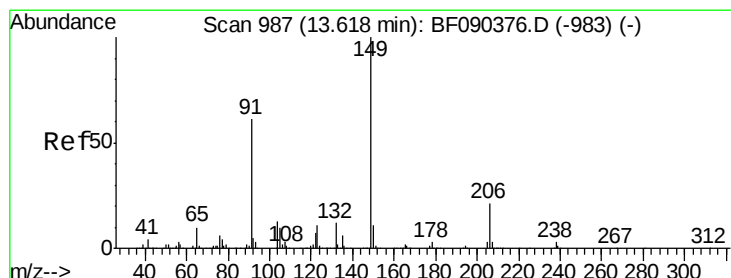
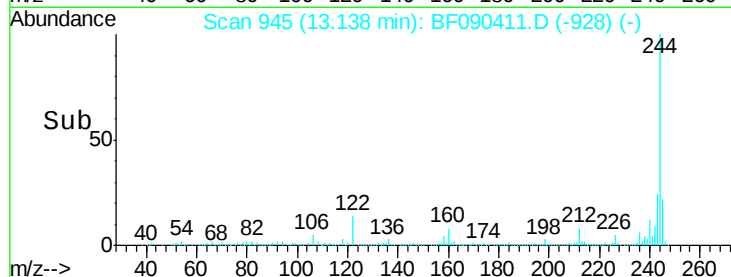
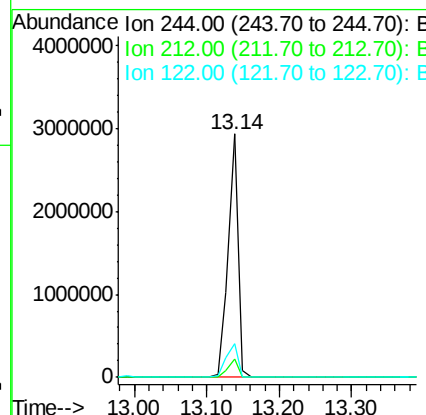
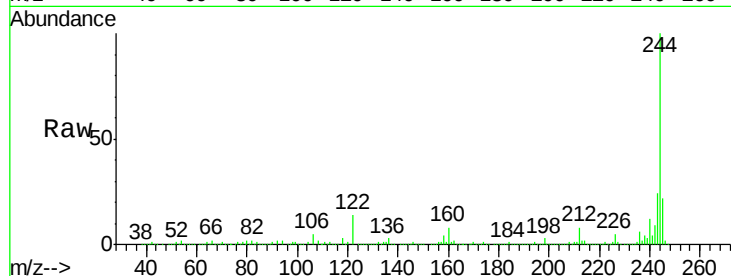
#78
 Terphenyl-d14
 Concen: 110.15 ng
 RT: 13.14 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.8	10.2
122	14.0	13.3	19.9

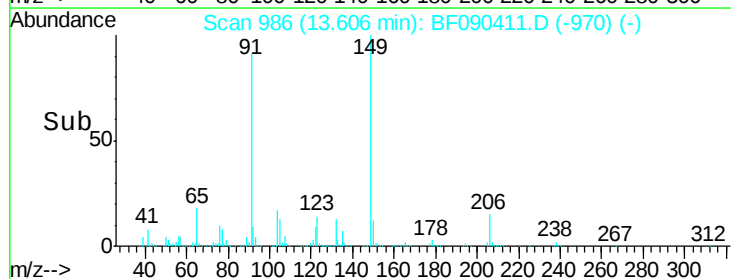
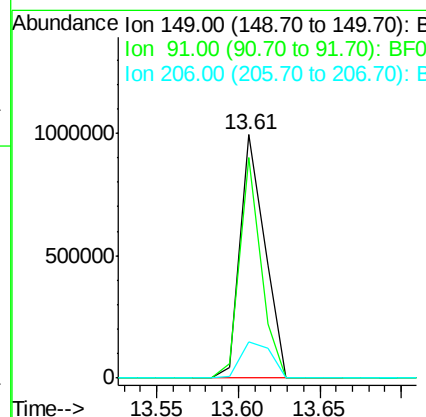
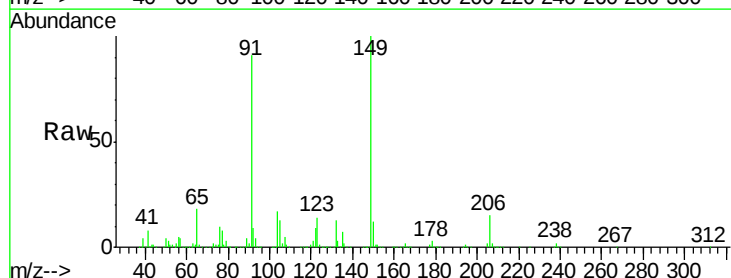
Manual Integrations
 APPROVED

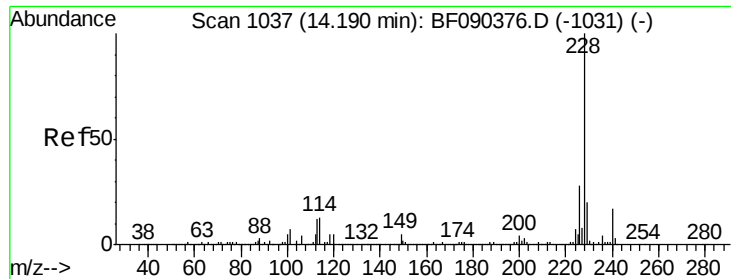
SOHIL
 10/6/2016 5:27:55 PM



#79
 Butylbenzylphthalate
 Concen: 52.58 ng
 RT: 13.61 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
149	100		
91	90.6	51.8	77.8#
206	14.6	18.0	27.0#





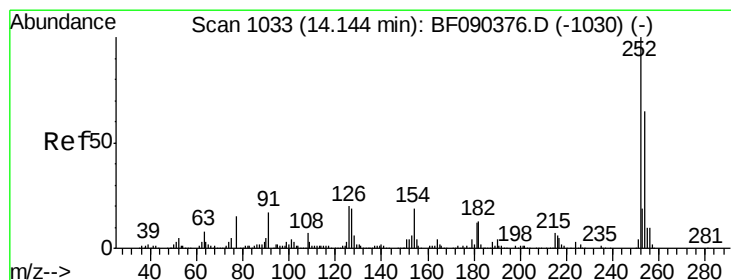
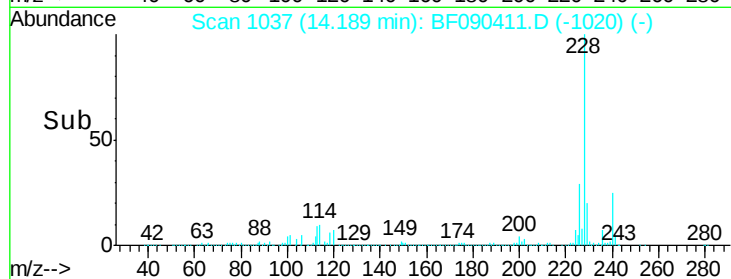
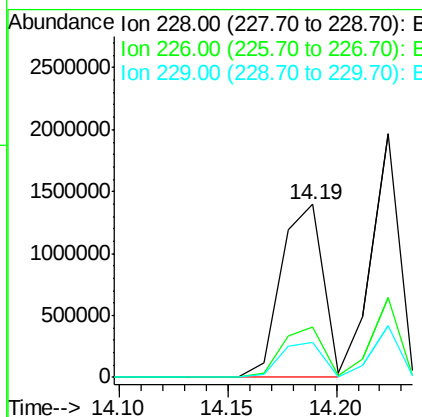
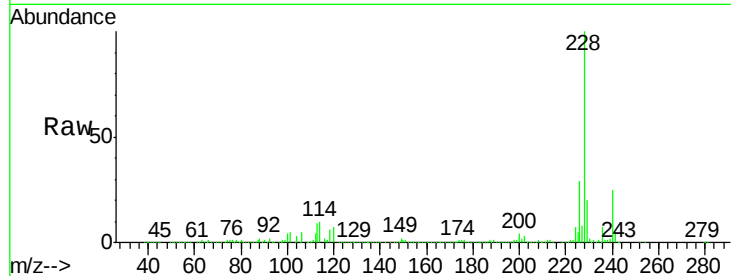
#80
Benzo(a)anthracene
Concen: 58.65 ng
RT: 14.19 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.6	35.4
229	20.4	16.6	25.0

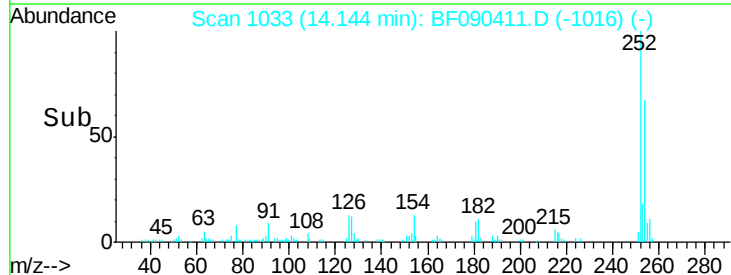
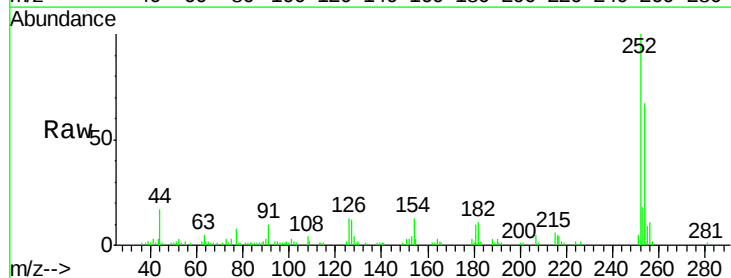
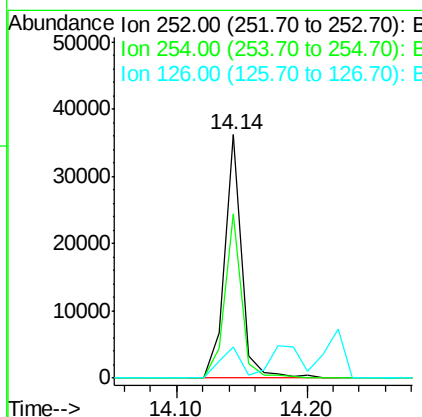
Manual Integrations
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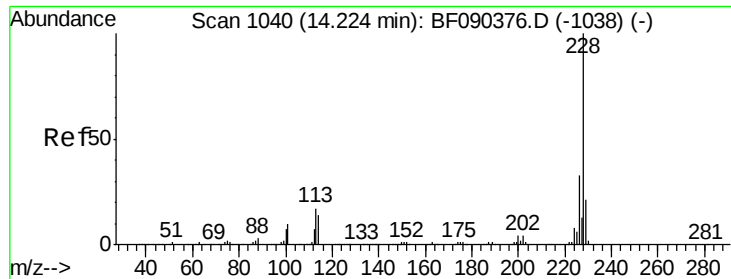
SOHIL
10/6/2016 5:27:55 PM



#81
3,3'-Dichlorobenzidine
Concen: 2.85 ng
RT: 14.14 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
252	100		
254	67.5	52.1	78.1
126	12.6	4.2	6.4





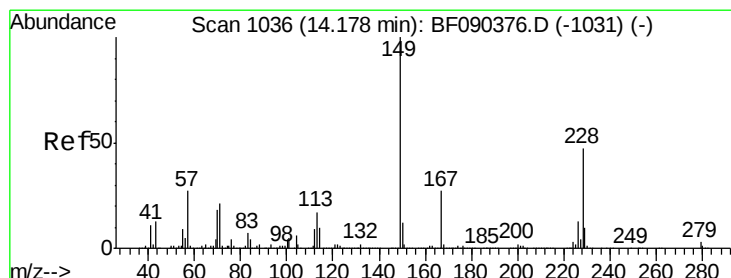
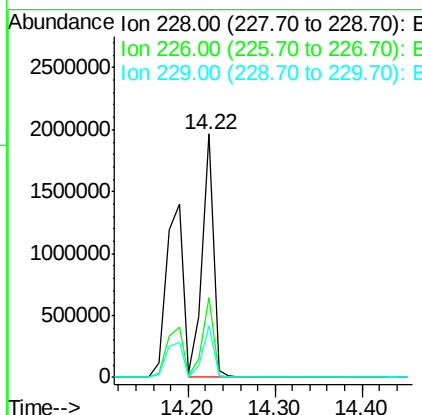
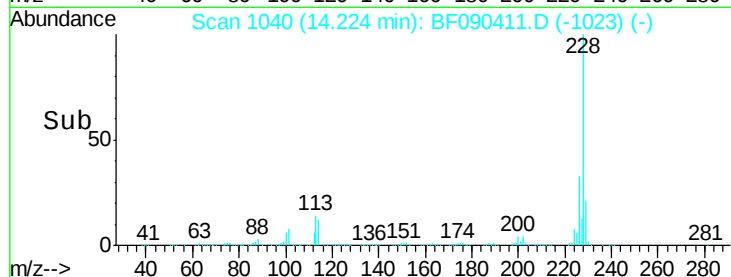
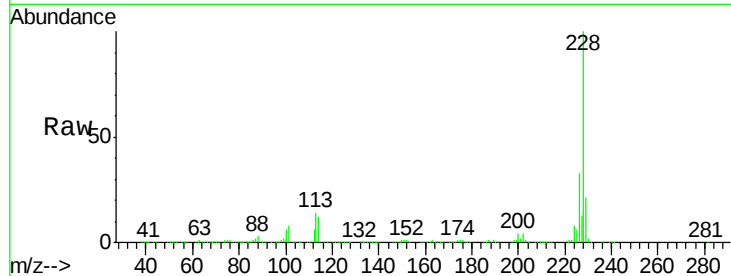
#82
 Chrysene
 Concen: 58.75 ng
 RT: 14.22 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

Tot Ion:228 Resp: 1739394
 Ion Ratio Lower Upper
 228 100
 226 32.6 25.8 38.6
 229 21.3 16.9 25.3

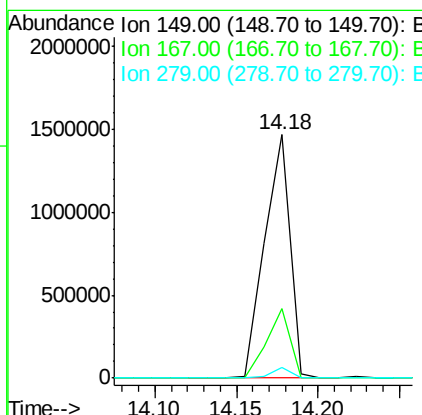
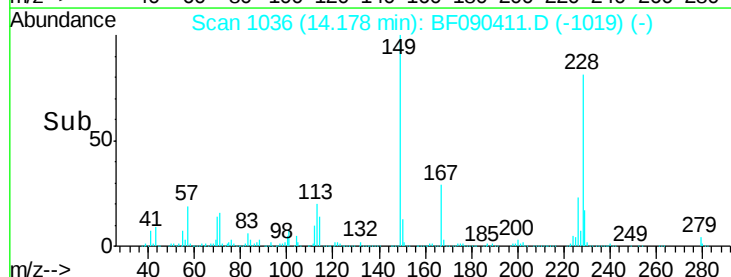
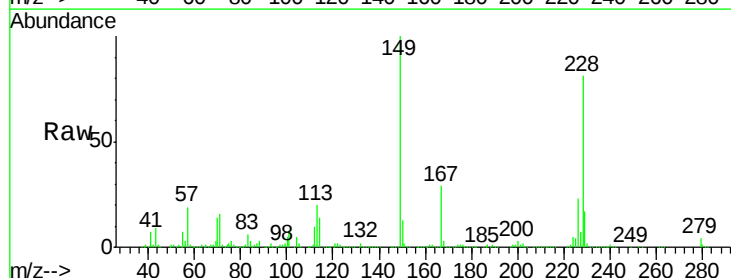
Manual Integrations
 APPROVED

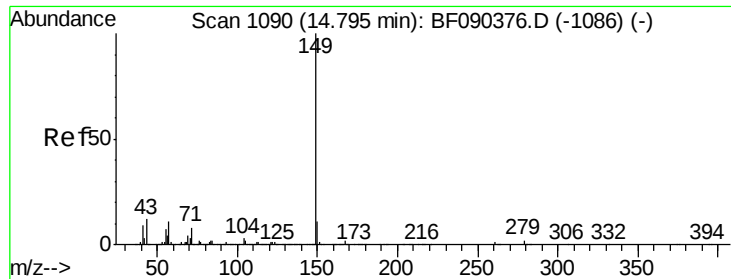
SOHIL
 10/6/2016 5:27:55 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 57.14 ng
 RT: 14.18 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion:149 Resp: 1593147
 Ion Ratio Lower Upper
 149 100
 167 28.6 21.5 32.3
 279 4.3 2.6 3.8#





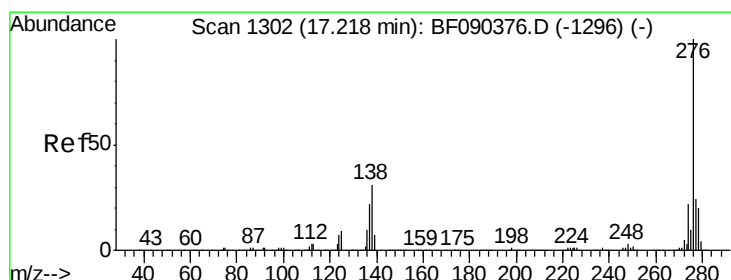
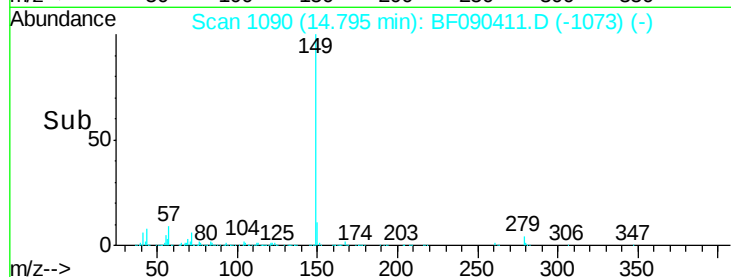
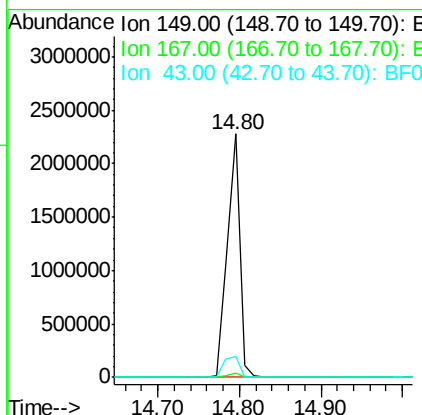
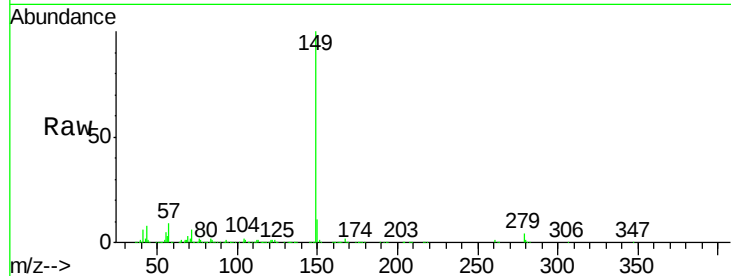
#84
Di-n-octyl phthalate
Concen: 57.49 ng
RT: 14.80 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.9	11.8	17.8#

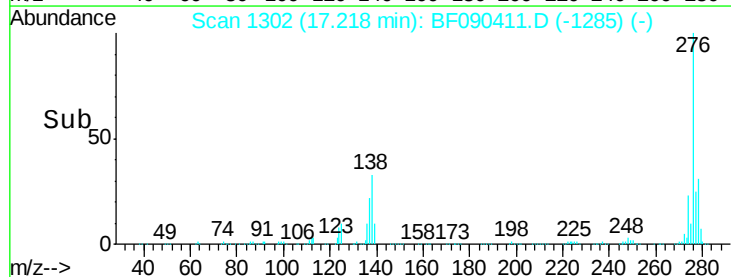
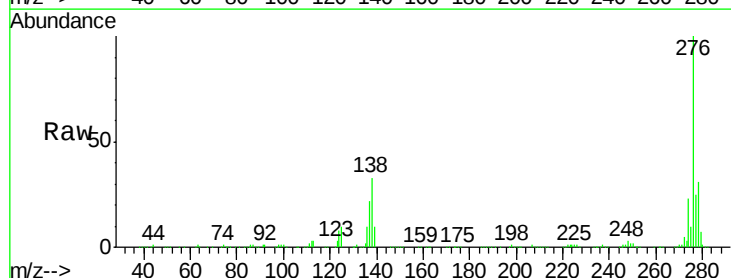
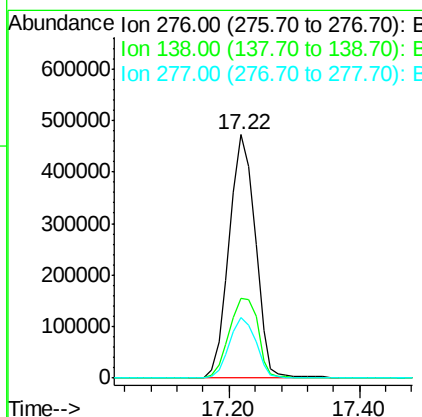
Manual Integrations
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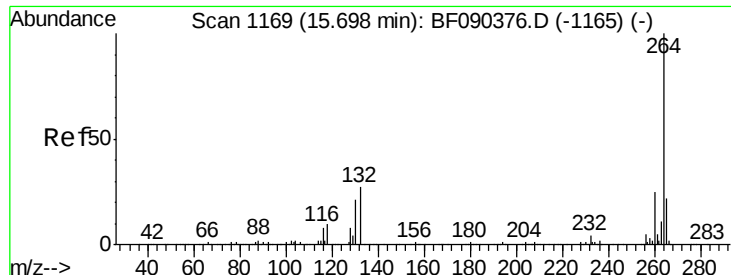
SOHIL
10/6/2016 5:27:55 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 62.59 ng
RT: 17.22 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	36.1	23.8	35.8#
277	25.2	20.4	30.6





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.70 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

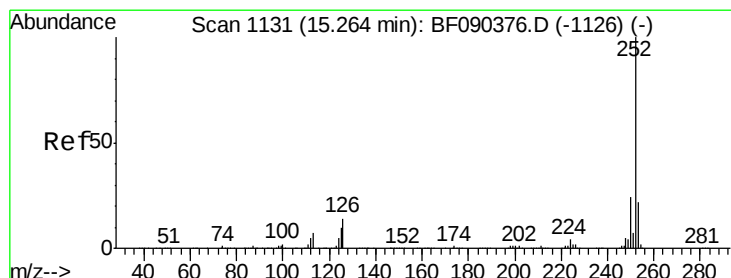
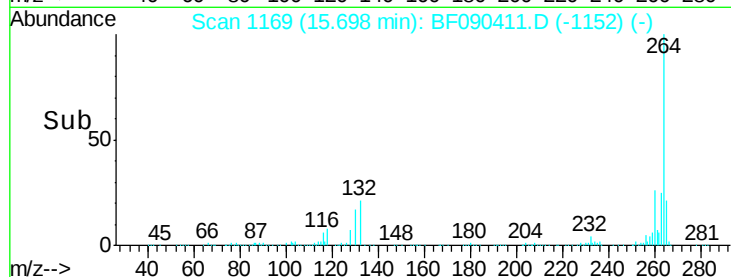
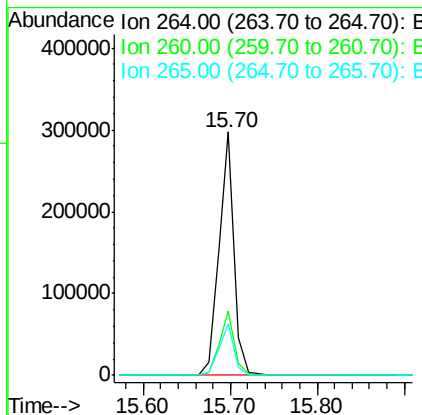
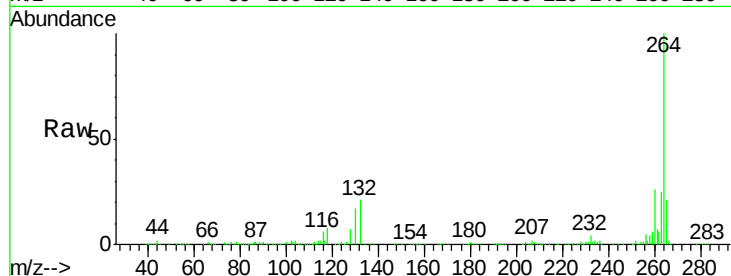
ClientSampleId :

CHA-STA-1698-D(0-2)MS

Tot Ion:	264	Resp:	361441
Ion Ratio	Lower	Upper	
264	100		
260	26.4	19.3	28.9
265	21.4	17.4	26.0

Manual Integrations
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10/6/2016 5:27:55 PM



#87

Benzo(b)fluoranthene

Concen: 70.59 ng

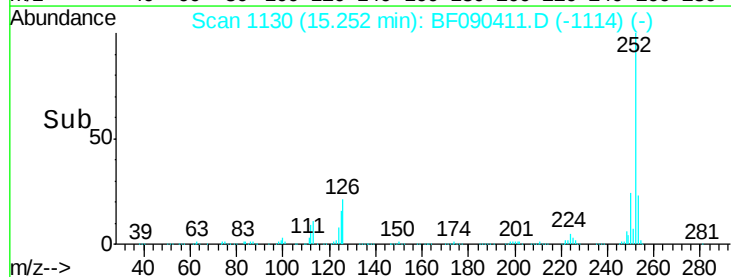
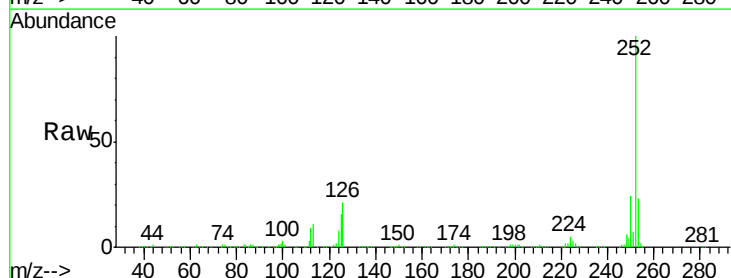
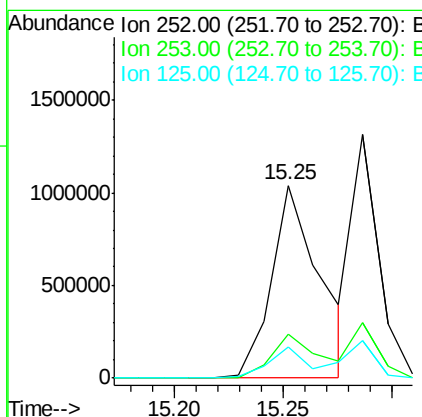
RT: 15.25 min Scan# 1130

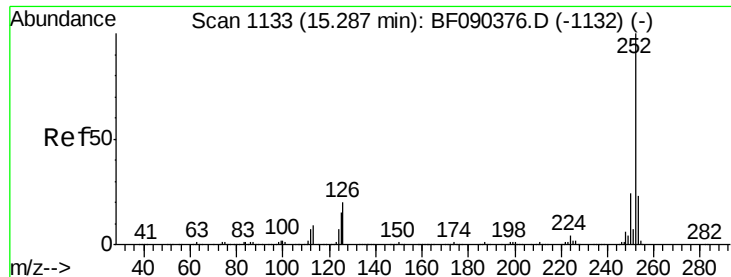
Delta R.T. -0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Tgt Ion:	252	Resp:	1625151
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.2	27.2
125	16.2	7.0	10.4#





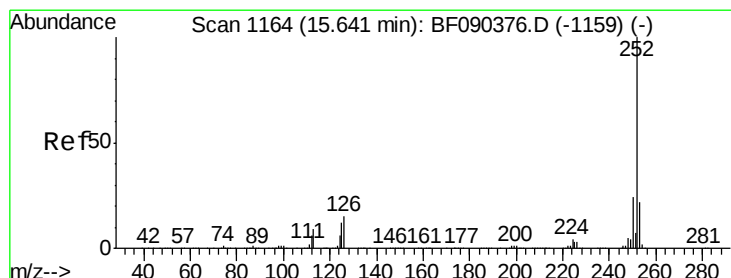
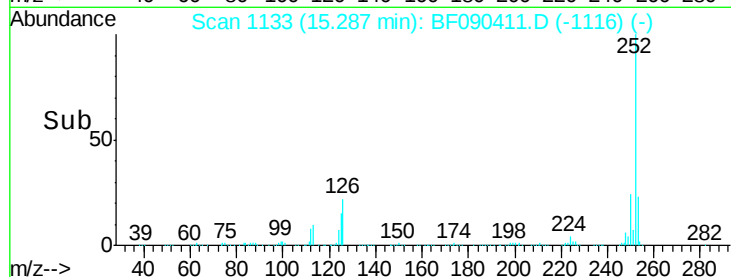
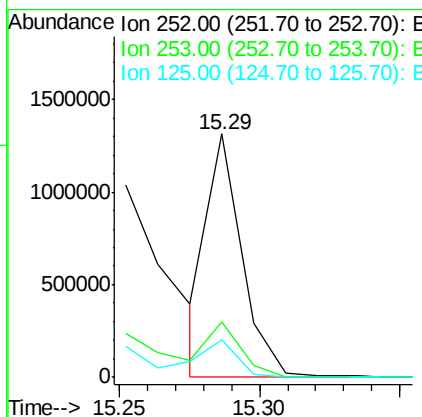
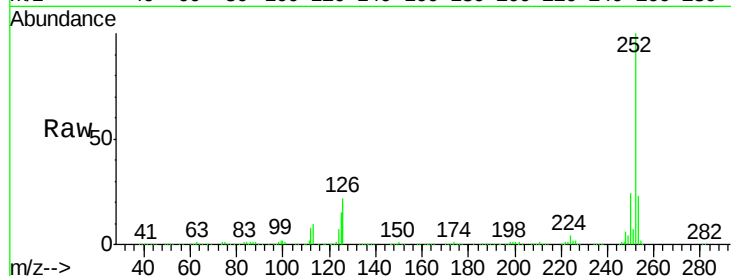
#88
Benzo(k)fluoranthene
Concen: 52.08 ng m
RT: 15.29 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.6	27.8
125	15.3	11.7	17.5

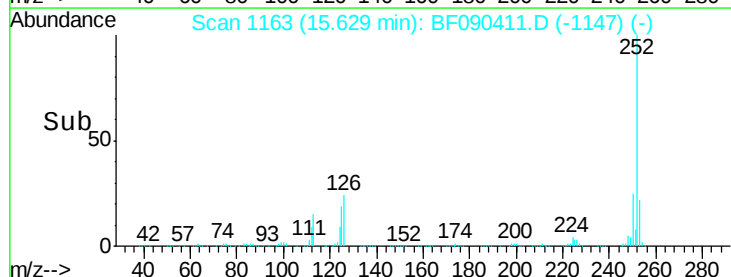
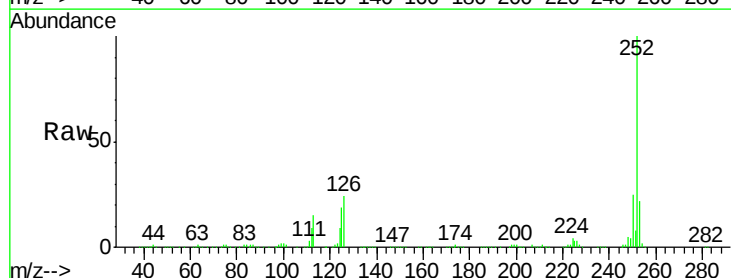
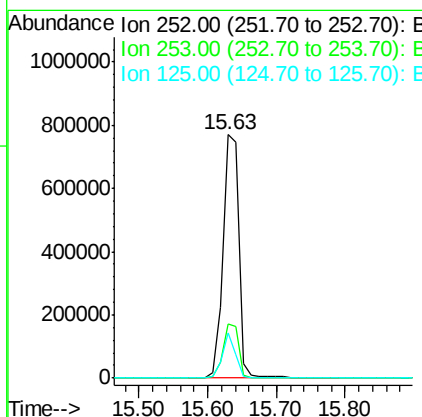
Manual Integrations
APPROVED

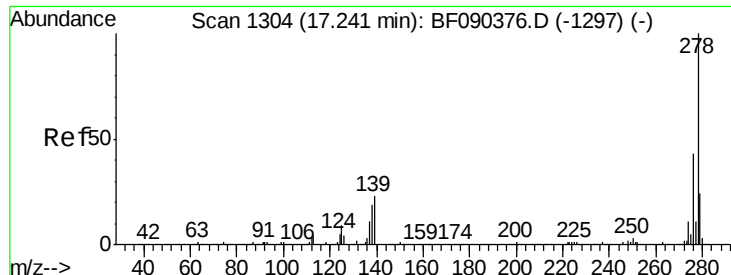
SOHIL
10/6/2016 5:27:55 PM



#89
Benzo(a)pyrene
Concen: 63.52 ng
RT: 15.63 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	18.7	9.8	14.8#





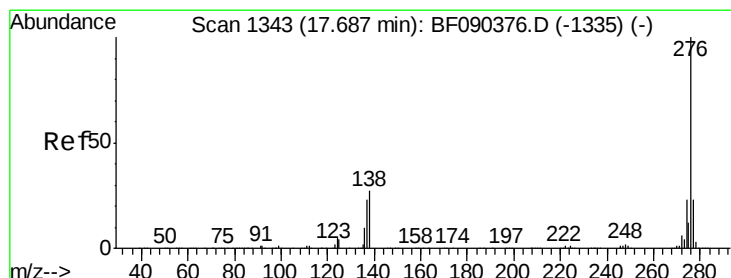
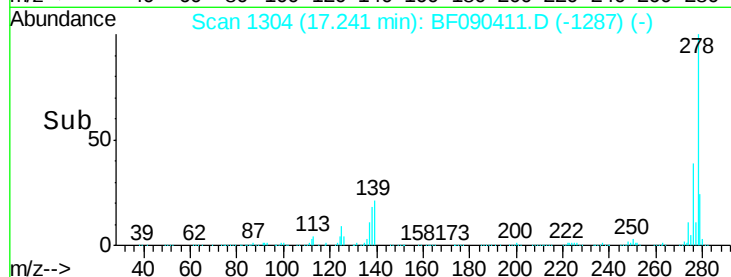
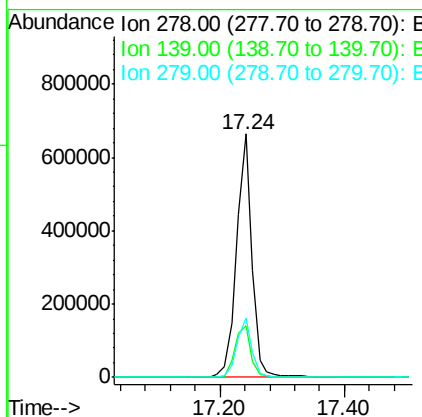
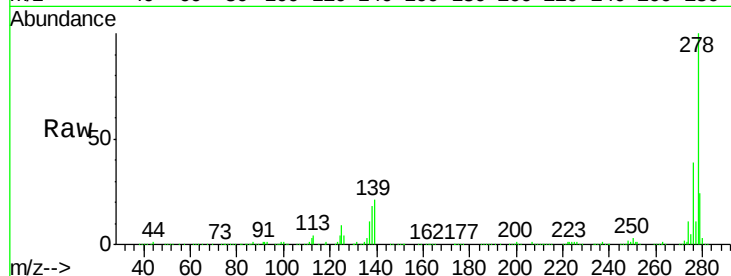
#90
Dibenzo(a,h)anthracene
Concen: 68.36 ng
RT: 17.24 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tot Ion:278 Resp: 1154174
Ion Ratio Lower Upper
278 100
139 21.4 12.8 19.2#
279 24.5 19.6 29.4

Manual Integrations
APPROVED

SOHIL
10/6/2016 5:27:55 PM



#91
Benzo(g,h,i)perylene
Concen: 63.94 ng
RT: 17.69 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion:276 Resp: 1035899
Ion Ratio Lower Upper
276 100
277 23.7 19.4 29.0
138 26.2 20.8 31.2

