

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110515\
 Data File : BF082712.D
 Acq On : 4 Nov 2015 20:40
 Operator : UM/IZ
 Sample : G4241-06MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MS

Manual Integrations
 APPROVED

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 11/5/2015 2:19:45 PM

Quant Time: Nov 05 06:54:48 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 03 12:27:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	156569	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	559256	20.00	ng	-0.01
38) Acenaphthene-d10	9.96	164	204988	20.00	ng	0.03
63) Phenanthrene-d10	11.46	188	300261	20.00	ng	0.05
75) Chrysene-d12	14.03	240	348966	20.00	ng	-0.02
86) Perylene-d12	15.46	264	365471	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1161247	111.71	ng	0.00
7) Phenol-d6	6.50	99	1735165	125.64	ng	-0.01
23) Nitrobenzene-d5	7.44	82	1193800	87.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.76	330	293188	130.69	ng	0.05
44) 2-Fluorobiphenyl	9.26	172	1419434	98.31	ng	0.01
78) Terphenyl-d14	13.00	244	1098840	68.91	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.49	88	152706	31.78	ng	93
3) Pyridine	3.22	79	494273	35.08	ng	96
4) n-Nitrosodimethylamine	3.15	42	265624	33.49	ng	94
6) Aniline	6.52	93	222250m	11.56	ng	
8) 2-Chlorophenol	6.66	128	443890	39.47	ng	99
9) Benzaldehyde	6.41	77	170207	18.05	ng	91
10) Phenol	6.52	94	610896	39.04	ng	87
11) bis(2-Chloroethyl)ether	6.60	93	457310	39.61	ng	92
12) 1,3-Dichlorobenzene	6.81	146	463282	36.12	ng	95
13) 1,4-Dichlorobenzene	6.89	146	525503	41.31	ng	95
14) 1,2-Dichlorobenzene	7.05	146	447524	37.90	ng	98
15) Benzyl Alcohol	7.01	79	528782	41.06	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.15	45	650641	35.46	ng	85
17) 2-Methylphenol	7.13	107	383178	40.07	ng	96
18) Hexachloroethane	7.39	117	222281m	44.78	ng	
19) n-Nitroso-di-n-propylamine	7.29	70	419459m	40.07	ng	
20) 3+4-Methylphenols	7.28	107	497030	39.99	ng	# 78
22) Acetophenone	7.28	105	708420	43.03	ng	# 83
24) Nitrobenzene	7.45	77	555713	40.14	ng	# 87
25) Isophorone	7.69	82	1089289	43.23	ng	# 55
26) 2-Nitrophenol	7.77	139	214481	42.41	ng	# 87
27) 2,4-Dimethylphenol	7.81	122	347558	35.21	ng	99
28) bis(2-Chloroethoxy)methane	7.90	93	558042	40.49	ng	# 82
29) 2,4-Dichlorophenol	8.02	162	381775	42.43	ng	88
30) 1,2,4-Trichlorobenzene	8.10	180	392724	39.33	ng	99
31) Naphthalene	8.18	128	1301797	43.02	ng	# 96
32) Benzoic acid	7.92	122	120569m	16.84	ng	
33) 4-Chloroaniline	8.18	127	326880	25.30	ng	# 53
34) Hexachlorobutadiene	8.32	225	247906	39.04	ng	99
35) Caprolactam	8.62	113	570507	206.66	ng	# 1
36) 4-Chloro-3-methylphenol	8.72	107	516961	48.79	ng	# 95
37) 2-Methylnaphthalene	8.89	142	1341363	68.39	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	323198	47.25	ng	# 87
40) Hexachlorocyclopentadiene	9.06	237	347310	80.76	ng	99

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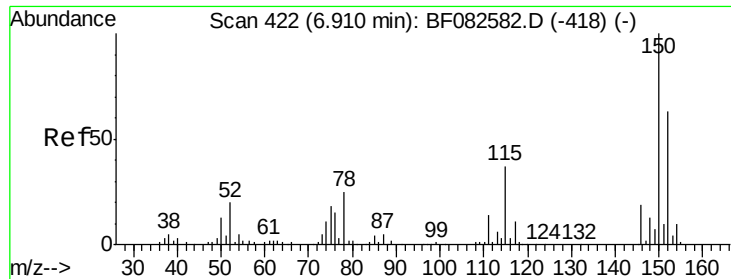
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.18	196	345164m	69.88	nq	
43) 2,4,5-Trichlorophenol	9.21	196	90106m	18.31	nq	
45) 1,1'-Biphenyl	9.37	154	840959	48.57	nq	93
46) 2-Chloronaphthalene	9.39	162	606669	44.87	nq	# 78
47) 2-Nitroaniline	9.47	65	422118	80.32	nq	96
48) Acenaphthylene	9.82	152	968277	44.77	nq	# 77
49) Dimethylphthalate	9.66	163	962073	57.47	nq	# 88
50) 2,6-Dinitrotoluene	9.73	165	105287	30.34	nq	# 81
51) Acenaphthene	10.00	154	605109	44.08	nq	# 91
52) 3-Nitroaniline	9.87	138	253032	65.54	nq	# 66
53) 2,4-Dinitrophenol	10.01	184	93891	53.24	nq	# 1
54) Dibenzofuran	10.18	168	761455	40.87	nq	# 68
55) 4-Nitrophenol	10.03	139	226248m	77.89	nq	
56) 2,4-Dinitrotoluene	10.13	165	163625	34.87	nq	# 79
57) Fluorene	10.52	166	786885	52.37	nq	# 79
58) 2,3,4,6-Tetrachlorophenol	10.25	232	204827	49.25	nq	# 41
59) Diethylphthalate	10.37	149	621111	36.44	nq	# 86
60) 4-Chlorophenyl-phenylether	10.51	204	233792	32.01	nq	# 35
61) 4-Nitroaniline	10.49	138	100518	27.29	nq	87
62) Azobenzene	10.68	77	345181	17.96	nq	# 53
64) 4,6-Dinitro-2-methylphenol	10.56	198	65684	36.27	nq	# 1
65) n-Nitrosodiphenylamine	10.61	169	1652879	160.14	nq	# 84
66) 4-Bromophenyl-phenylether	11.00	248	147806	43.44	nq	# 21
67) Hexachlorobenzene	11.11	284	162300	43.02	nq	# 70
68) Atrazine	11.15	200	213340	63.17	nq	# 41
69) Pentachlorophenol	11.27	266	219604	88.27	nq	99
70) Phenanthrene	11.48	178	1234263m	72.88	nq	
71) Anthracene	11.54	178	889455m	52.16	nq	
72) Carbazole	11.68	167	645684	43.47	nq	# 82
73) Di-n-butylphthalate	12.01	149	830632	43.93	nq	96
74) Fluoranthene	12.66	202	862035	49.79	nq	97
76) Benzidine	12.75	184	152753	9.71	nq	# 64
77) Pyrene	12.88	202	987141	38.20	nq	97
79) Butylbenzylphthalate	13.46	149	455792	40.27	nq	95
80) Benzo(a)anthracene	14.03	228	949365	42.83	nq	98
81) 3,3'-Dichlorobenzidine	13.99	252	147264	19.28	nq	98
82) Chrysene	14.07	228	839939	41.80	nq	99
83) Bis(2-ethylhexyl)phthalate	14.02	149	634332	43.23	nq	98
84) Di-n-octyl phthalate	14.64	149	1101250	48.12	nq	# 98
85) Indeno(1,2,3-cd)pyrene	16.87	276	985780	59.45	nq	98
87) Benzo(b)fluoranthene	15.05	252	1018254m	40.41	nq	
88) Benzo(k)fluoranthene	15.08	252	634540m	33.05	nq	
89) Benzo(a)pyrene	15.40	252	784234	39.51	nq	99
90) Dibenzo(a,h)anthracene	16.88	278	824530	44.52	nq	100
91) Benzo(g,h,i)perylene	17.29	276	813499	45.33	nq	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

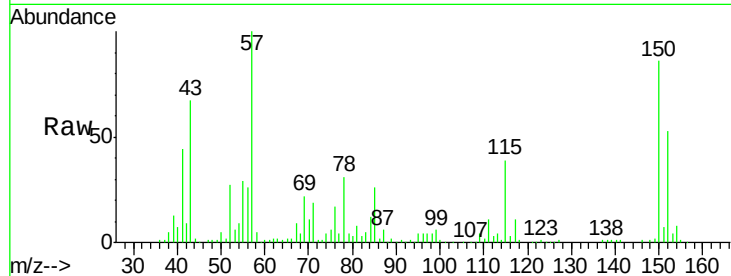
ClientSampleId :

TP-15(3)MS

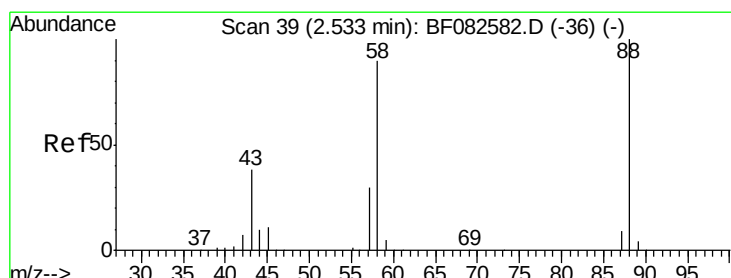
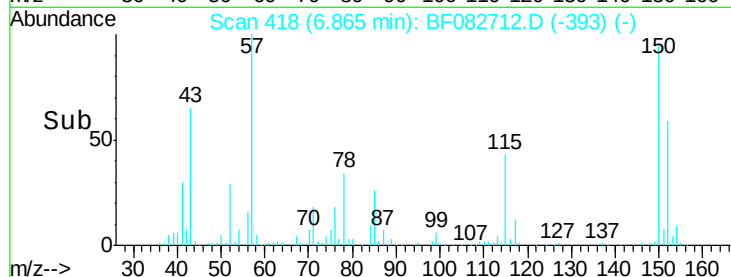
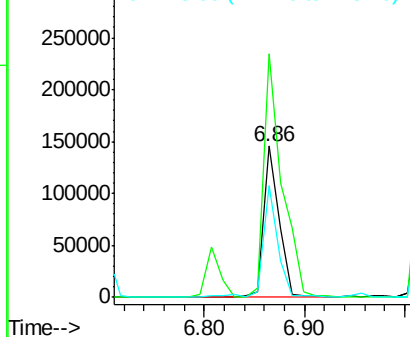
Tot Ion:	152	Resp:	156569
Ion Ratio	Lower	Upper	
152	100		
150	161.1	127.0	190.4
115	73.6	47.0	70.6

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



#2

1,4-Dioxane

Concen: 31.78 ng

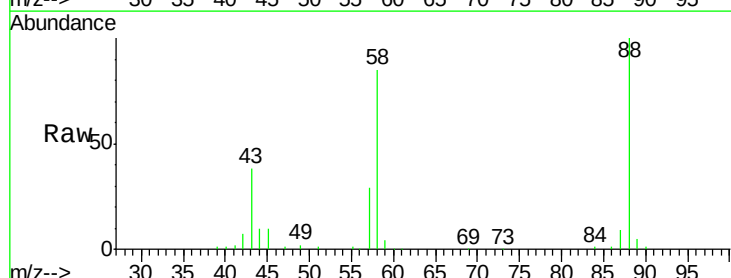
RT: 2.49 min Scan# 35

Delta R.T. 0.02 min

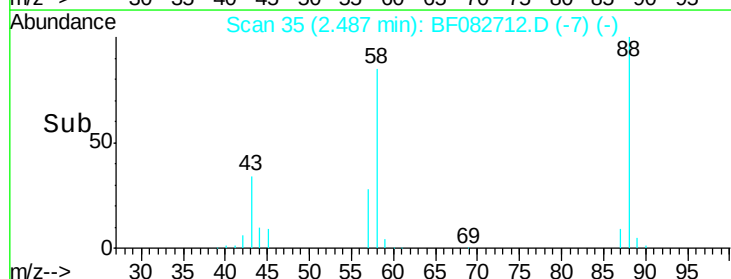
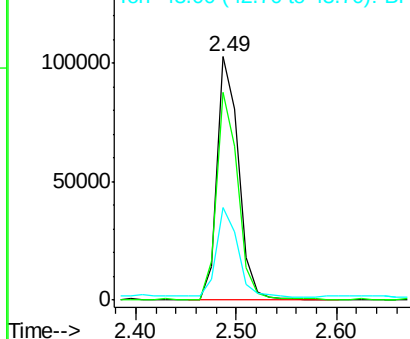
Lab File: BF082712.D

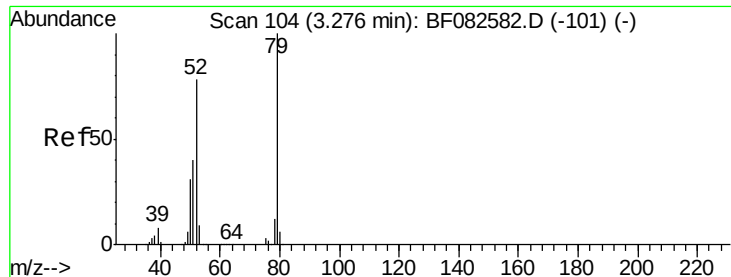
Acq: 4 Nov 2015 20:40

Tgt Ion:	88	Resp:	152706
Ion Ratio	Lower	Upper	
88	100		
58	84.1	62.0	93.0
43	37.3	26.6	40.0



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





#3

Pvridine

Concen: 35.08 ng

RT: 3.22 min Scan# 99

Delta R.T. 0.02 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

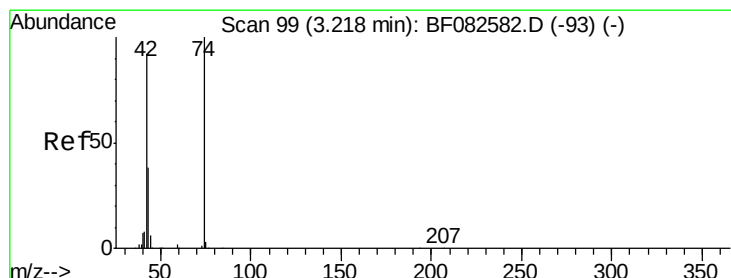
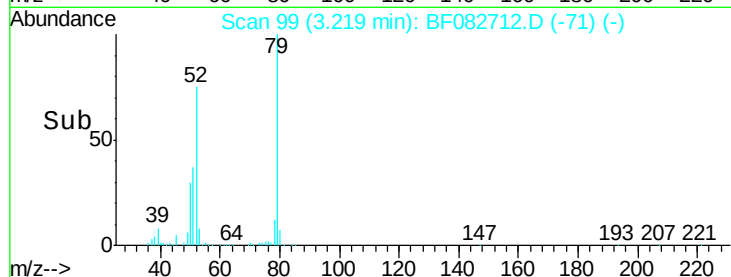
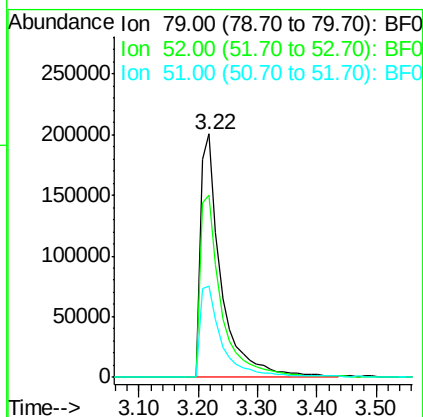
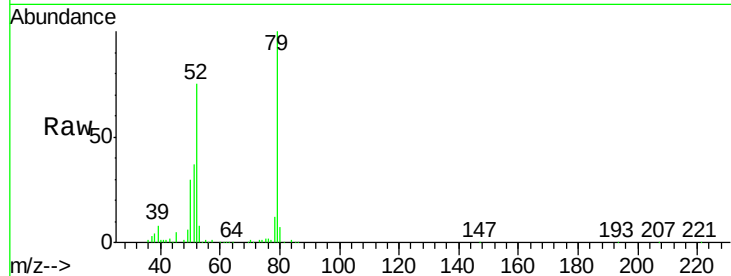
ClientSampleId :

TP-15(3)MS

Tot Ion:	79	Resp:	494273
Ion Ratio	Lower	Upper	
79	100		
52	74.9	62.8	94.2
51	37.4	32.0	48.0

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#4

n-Nitrosodimethylamine

Concen: 33.49 ng

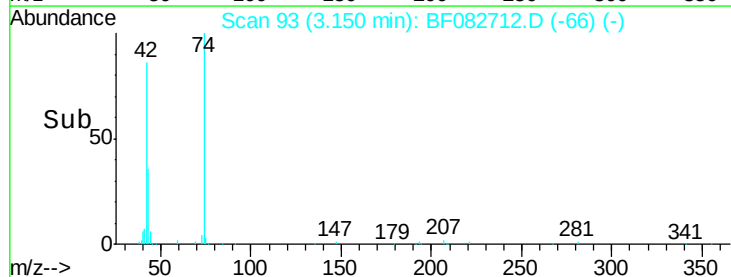
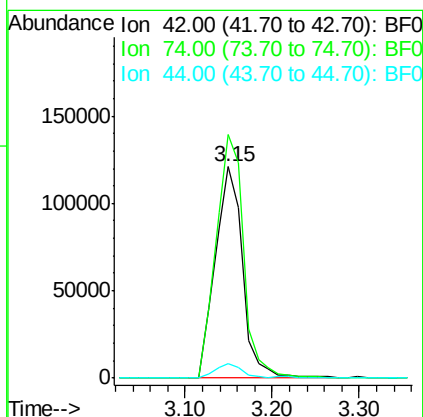
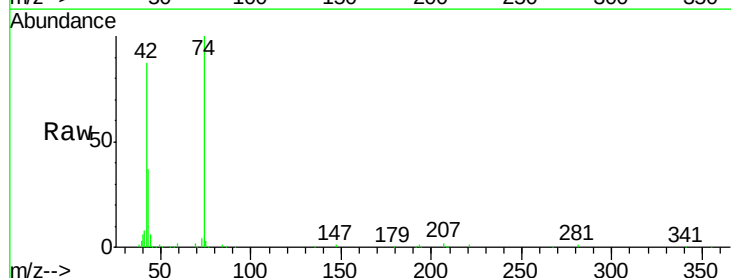
RT: 3.15 min Scan# 93

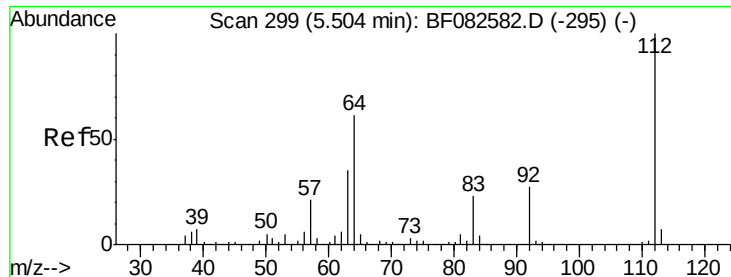
Delta R.T. 0.01 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Tgt Ion:	42	Resp:	265624
Ion Ratio	Lower	Upper	
42	100		
74	115.3	87.0	130.4
44	6.9	5.8	8.8





#5

2-Fluorophenol

Concen: 111.71 ng

RT: 5.47 min Scan# 296

Delta R.T. 0.00 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

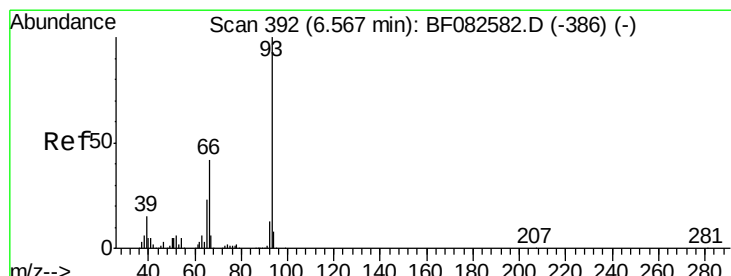
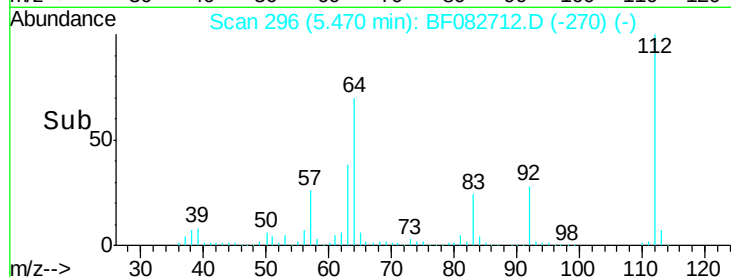
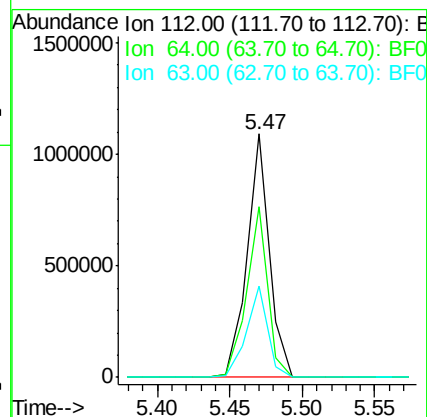
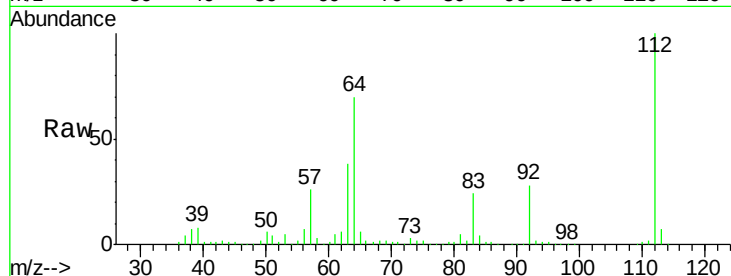
ClientSampleId :

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Tot Ion:	112	Resp:	1161247
Ion Ratio	Lower	Upper	
112	100		
64	70.0	48.9	73.3
63	37.6	28.1	42.1

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#6

Aniline

Concen: 11.56 ng m

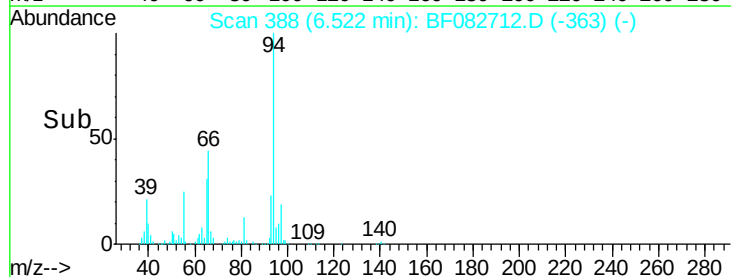
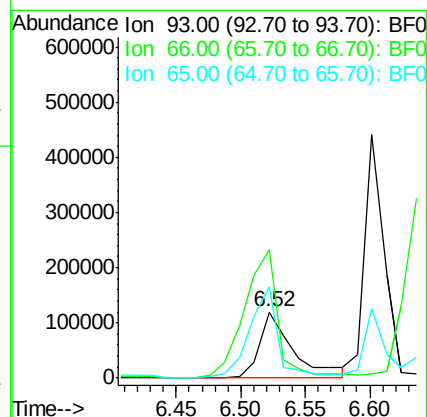
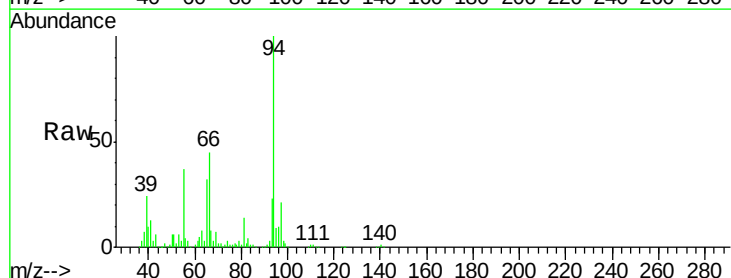
RT: 6.52 min Scan# 388

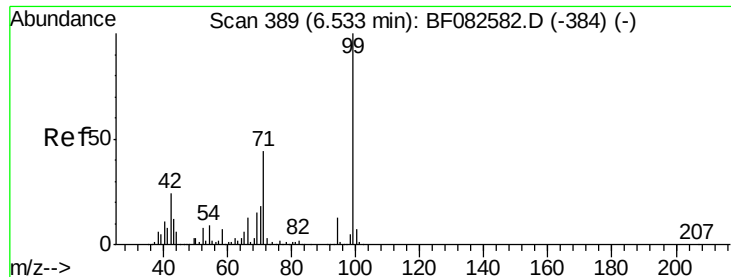
Delta R.T. -0.01 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Tgt Ion:	93	Resp:	222250
Ion Ratio	Lower	Upper	
93	100		
66	194.4	33.6	50.4#
65	139.0	18.1	27.1#





#7

Phenol-d6

Concen: 125.64 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

ClientSampleId :

TP-15(3)MS

Tot Ion: 99 Resp: 1735165

Ion Ratio Lower Upper

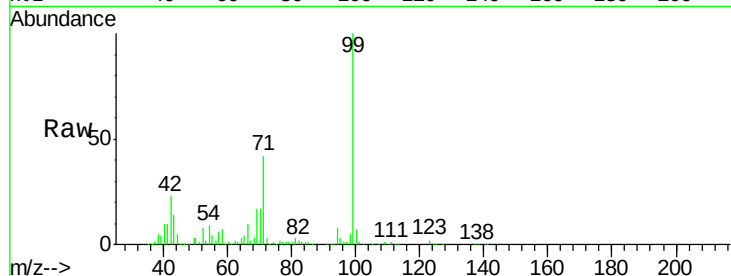
99 100

42 22.5 19.2 28.8

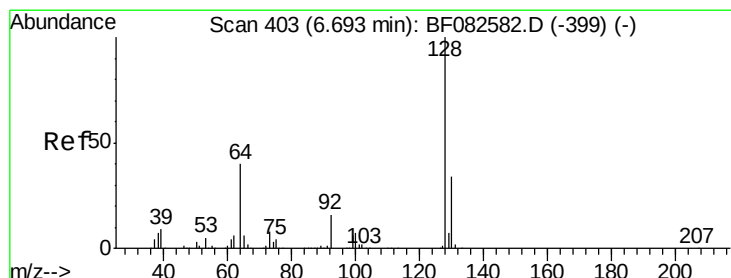
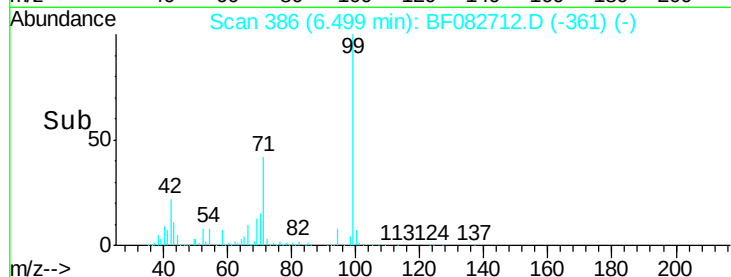
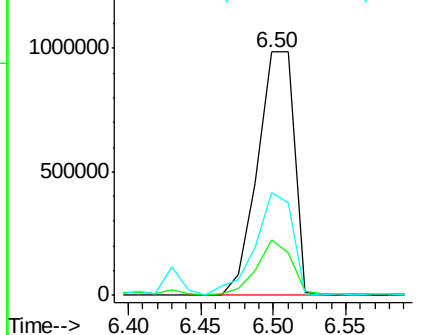
71 42.3 35.0 52.4

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 39.47 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.00 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

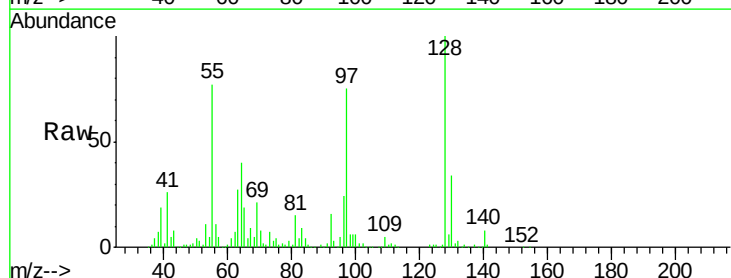
Tgt Ion:128 Resp: 443890

Ion Ratio Lower Upper

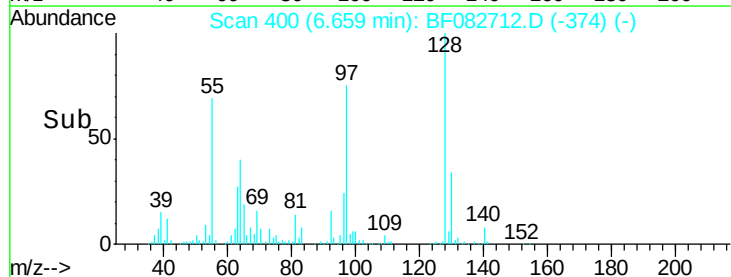
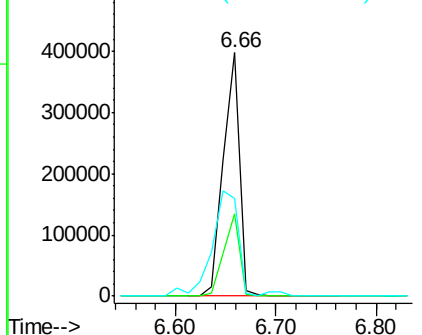
128 100

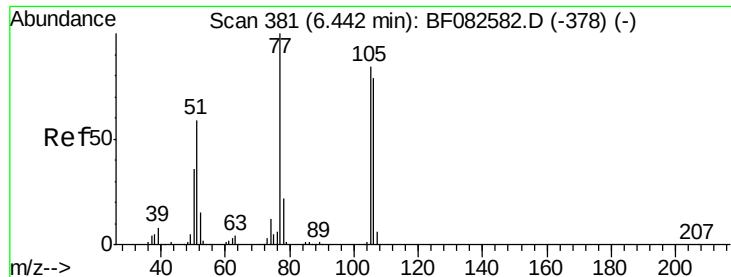
130 33.6 13.5 53.5

64 40.2 21.1 61.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 18.05 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

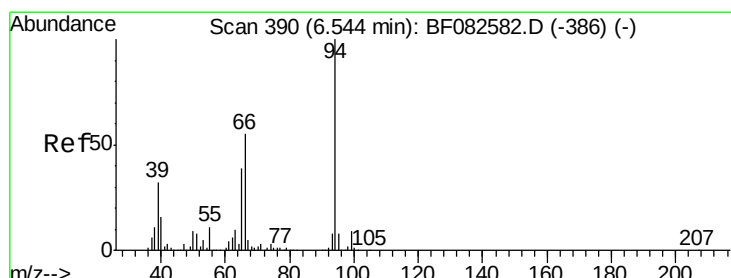
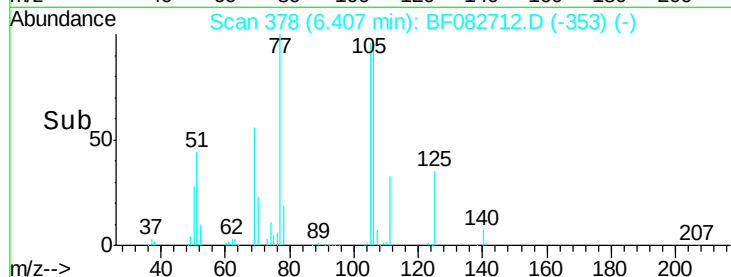
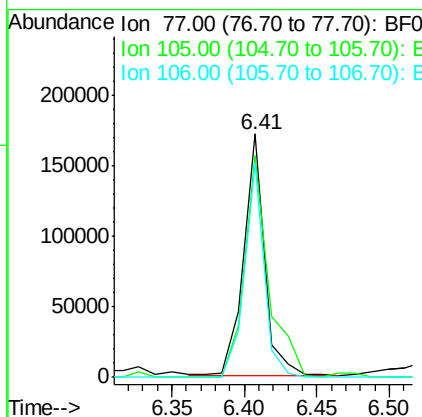
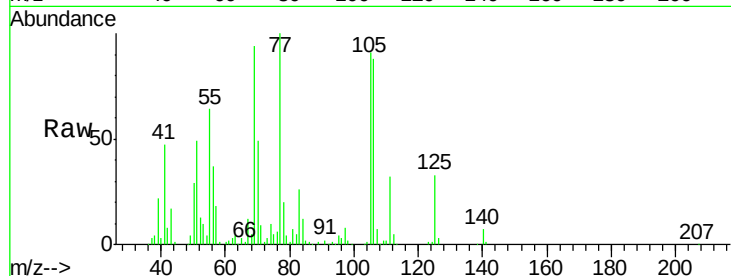
ClientSampleId :

TP-15(3)MS

Tot Ion	Ratio	Lower	Upper
77	100		
105	90.9	63.5	103.5
106	87.9	59.3	99.3

Manual Integrations
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#10

Phenol

Concen: 39.04 ng

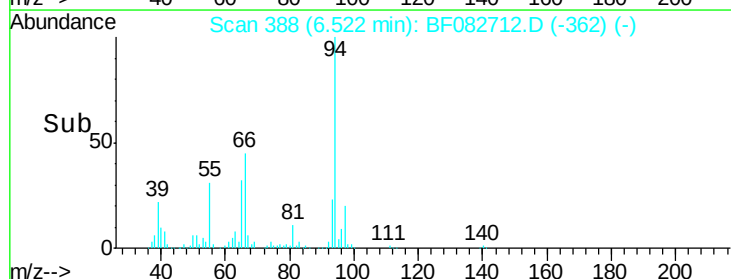
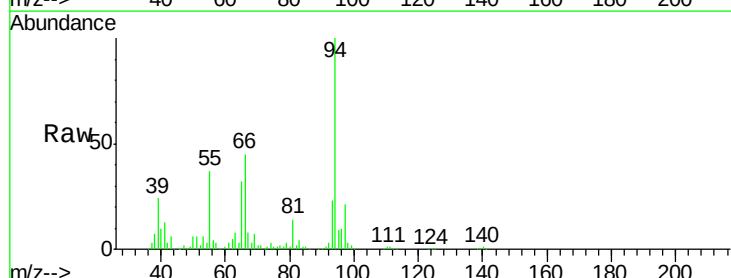
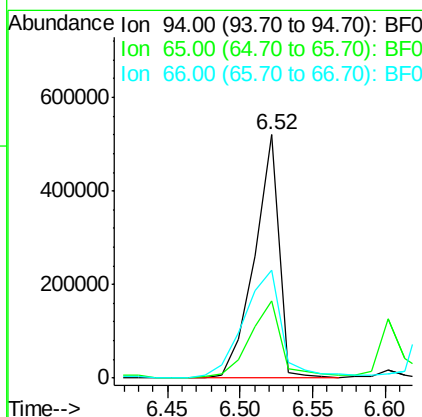
RT: 6.52 min Scan# 388

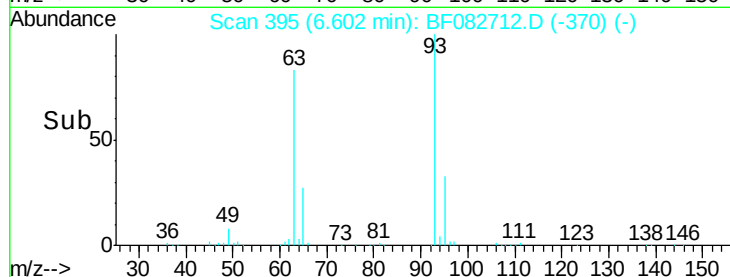
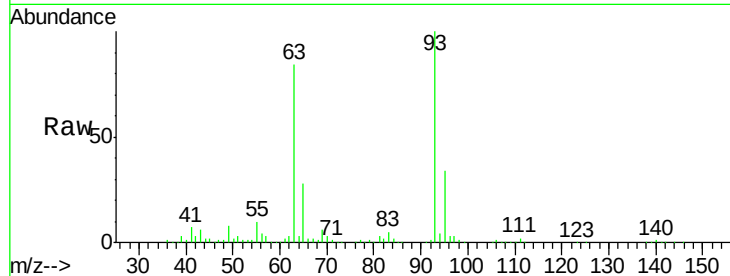
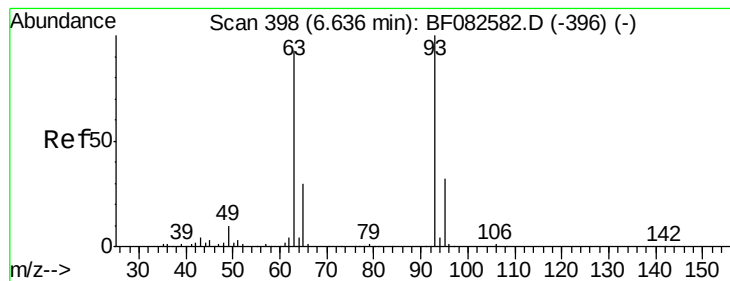
Delta R.T. 0.00 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
94	100		
65	31.8	18.9	58.9
66	44.5	34.9	74.9





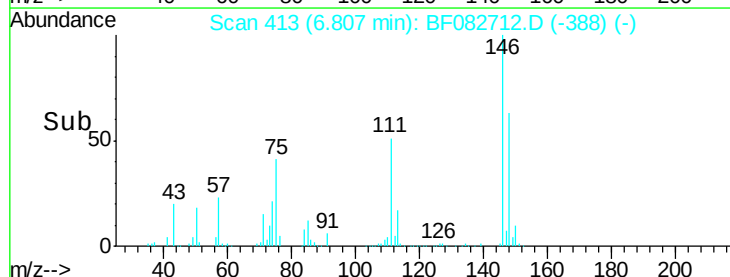
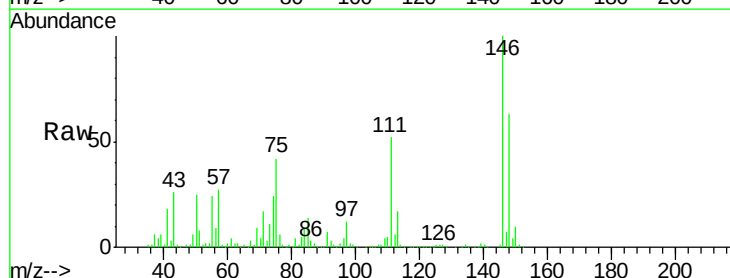
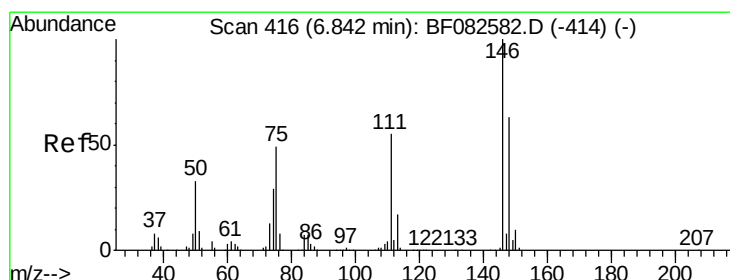
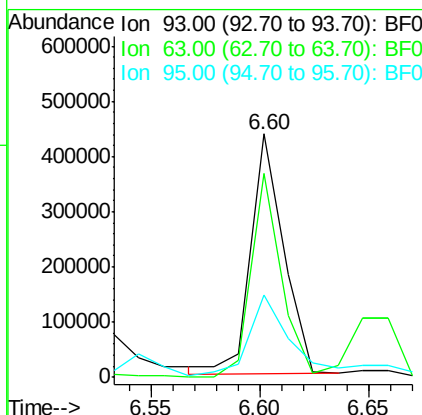
#11
bis(2-Chloroethyl)ether
Concen: 39.61 ng
RT: 6.60 min Scan# 395
Delta R.T. -0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tot Ion:	93	Resp:	457310
Ion	Ratio	Lower	Upper
93	100		
63	83.5	72.7	112.7
95	34.0	12.0	52.0

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MS

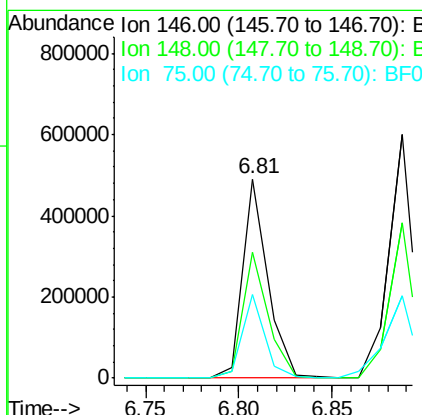
Manual Integrations
APPROVED

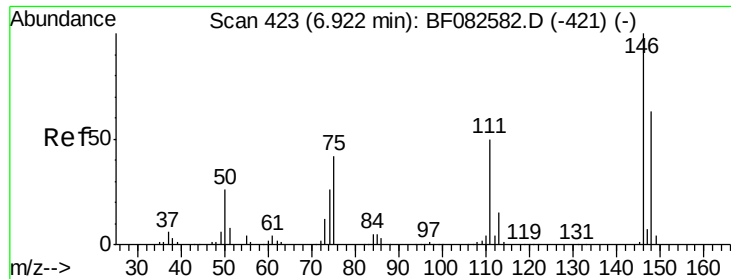
Mmdadoda
11/5/2015 2:19:45 PM



#12
1,3-Dichlorobenzene
Concen: 36.12 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion:	146	Resp:	463282
Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
75	42.2	39.5	59.3





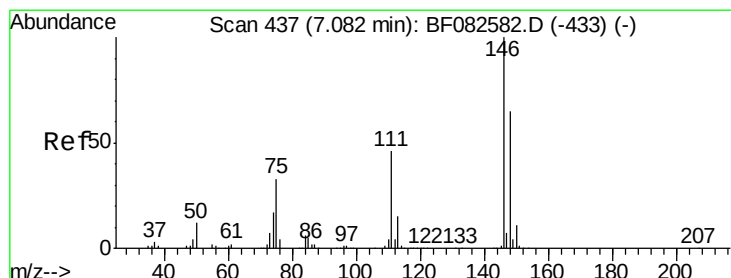
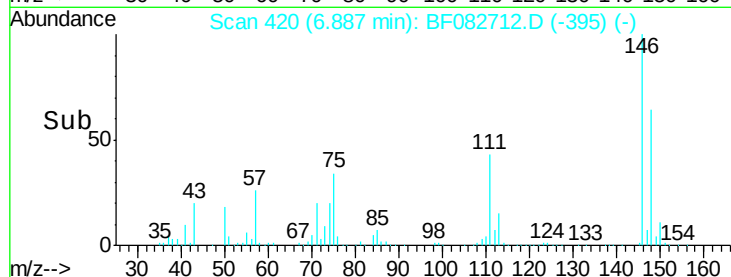
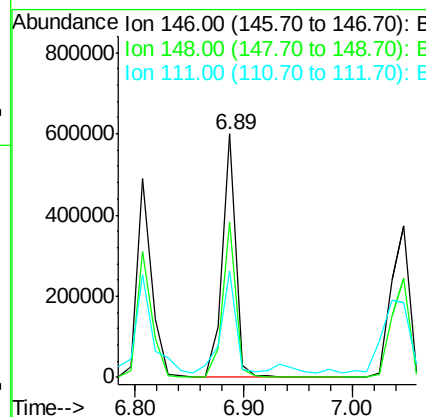
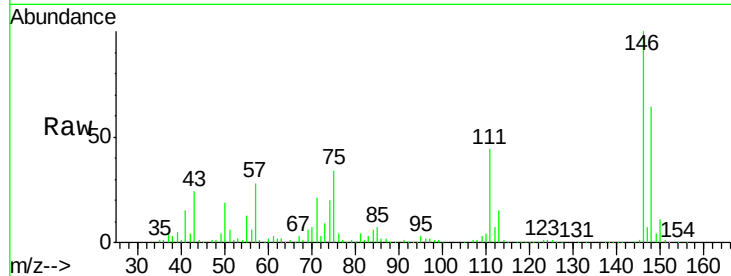
#13
1,4-Dichlorobenzene
Concen: 41.31 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.8	76.2
111	44.0	40.6	60.8

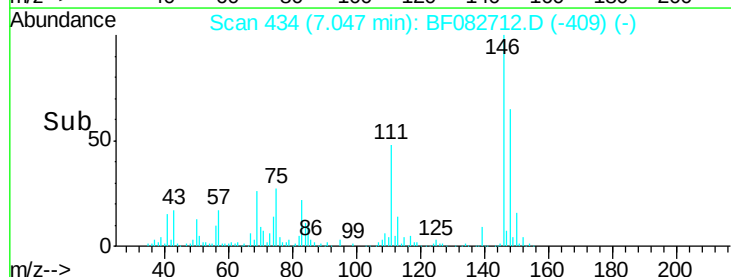
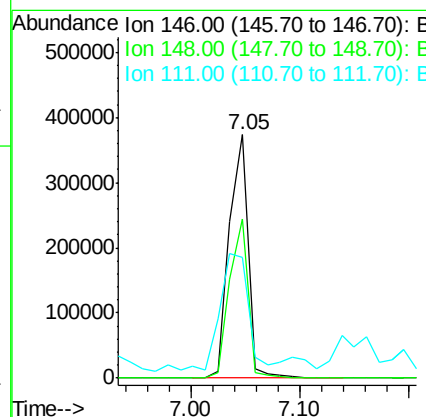
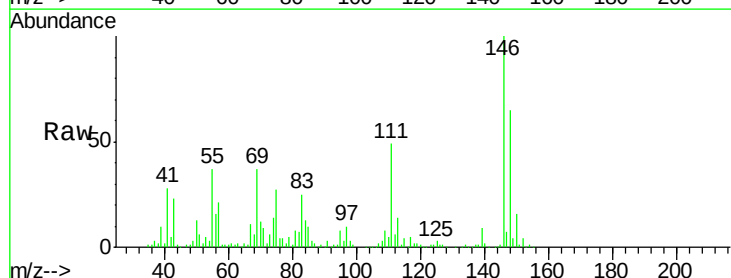
Manual Integrations
APPROVED

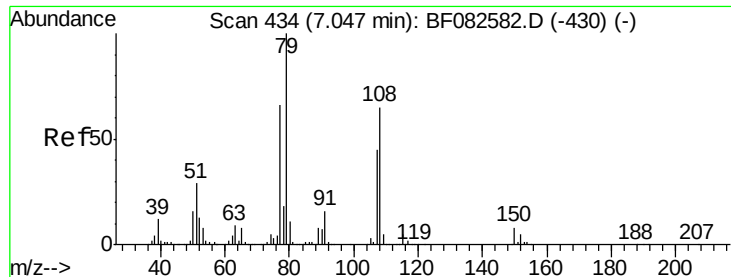
Mmdadoda
11/5/2015 2:19:45 PM



#14
1,2-Dichlorobenzene
Concen: 37.90 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.2	78.4
111	49.4	36.6	55.0





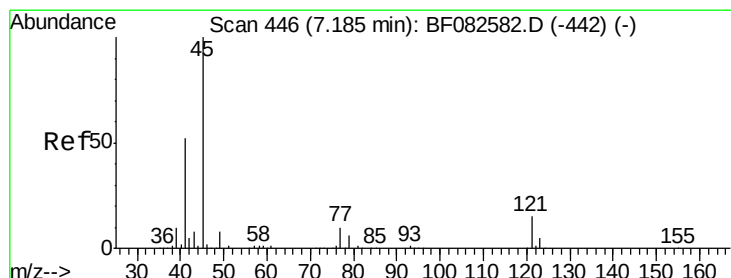
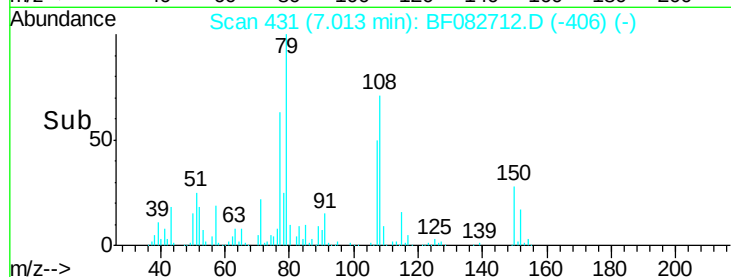
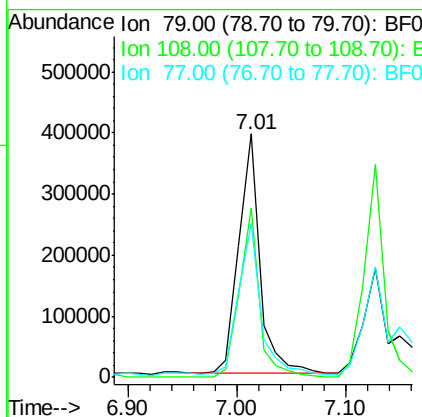
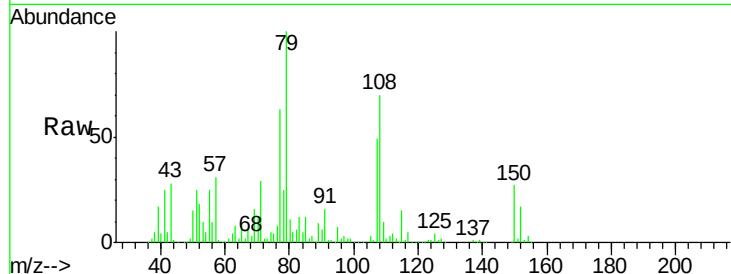
#15
Benzyl Alcohol
Concen: 41.06 ng
RT: 7.01 min Scan# 431
Delta R.T. -0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampled :
TP-15(3)MS

Tot Ion	Ratio	Lower	Upper
79	100		
108	69.7	52.2	78.4
77	63.2	52.7	79.1

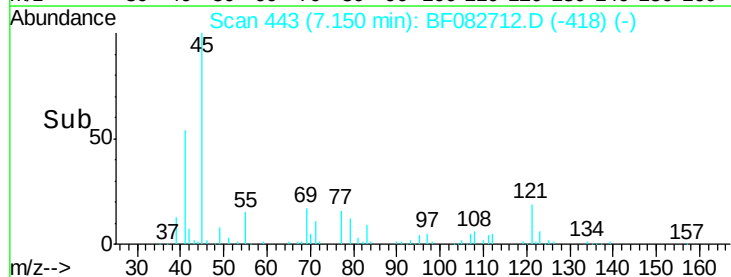
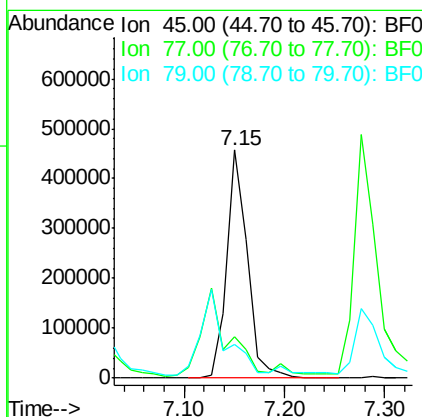
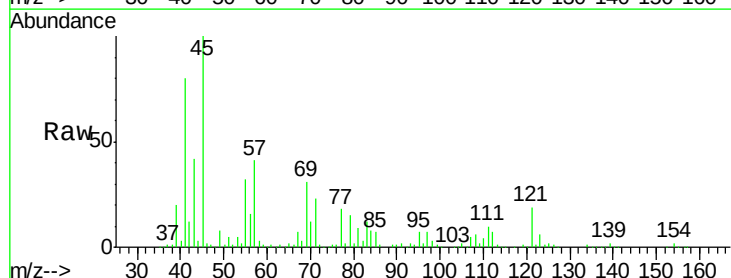
Manual Integrations
APPROVED

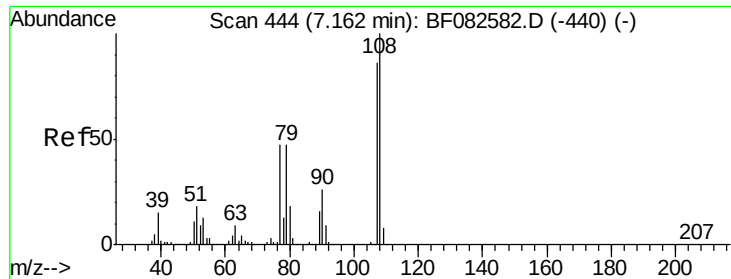
Mmdadoda
11/5/2015 2:19:45 PM



#16
2,2'-oxybis(1-chloropropane)
Concen: 35.46 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
45	100		
77	18.2	0.0	32.6
79	14.9	0.0	29.2





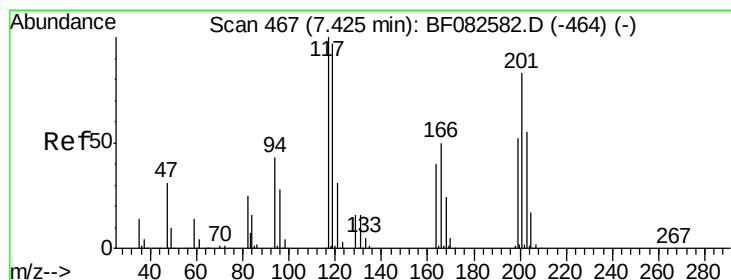
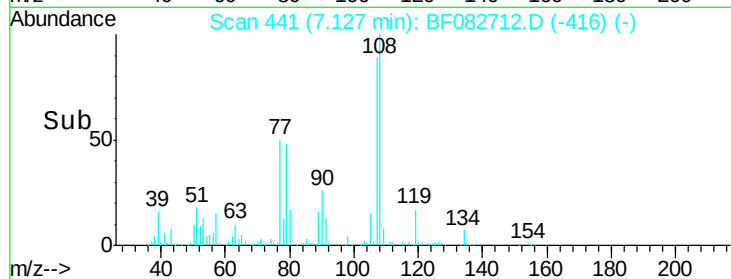
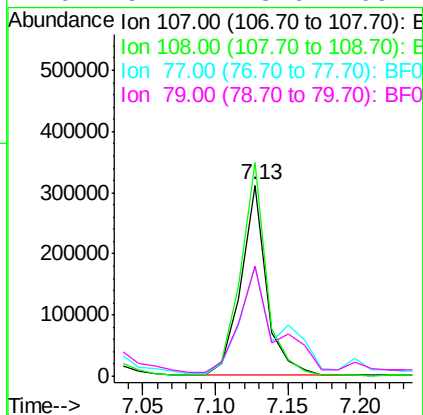
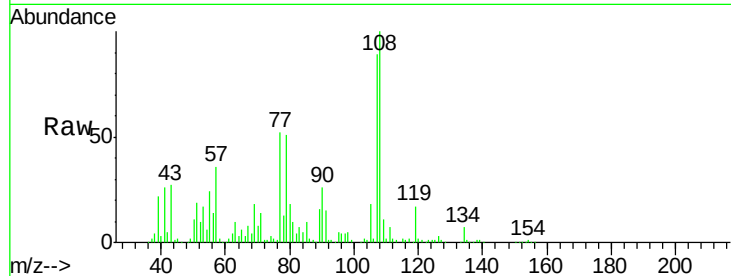
#17
2-Methylphenol
Concen: 40.07 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.9	93.0	139.4	
77	58.0	44.1	66.1	
79	57.4	43.6	65.4	

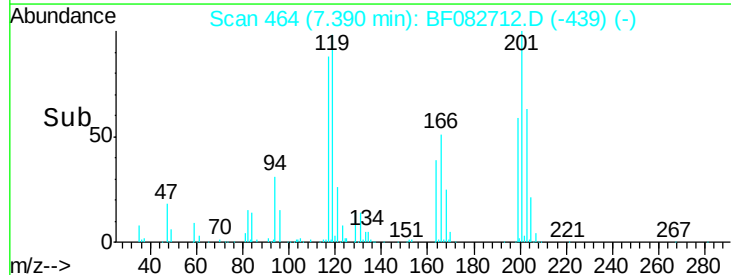
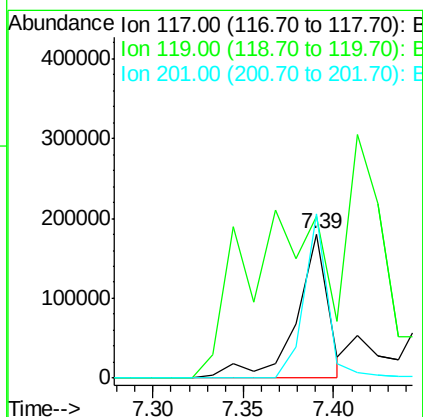
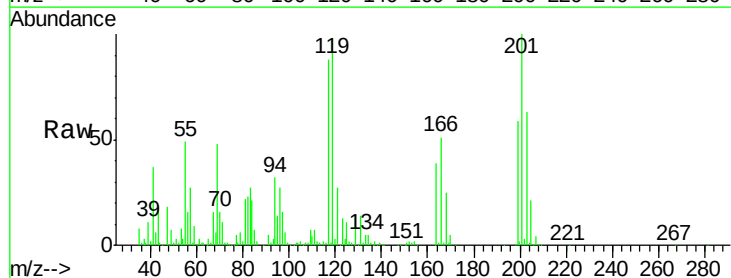
Manual Integrations
APPROVED

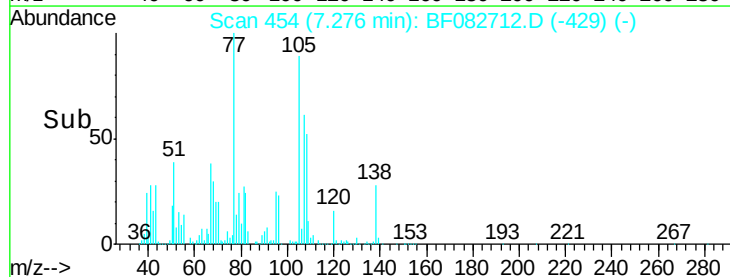
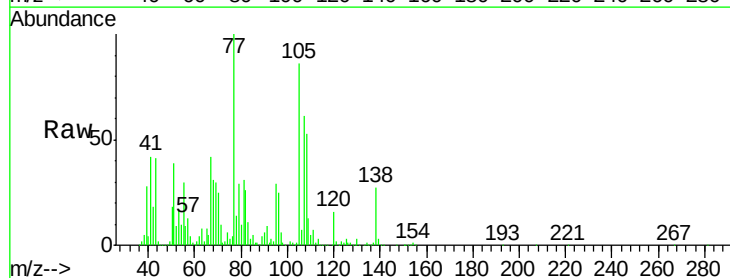
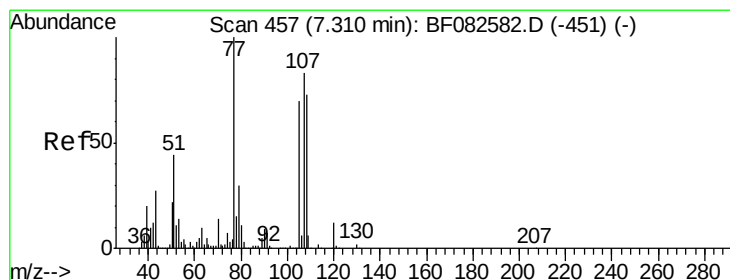
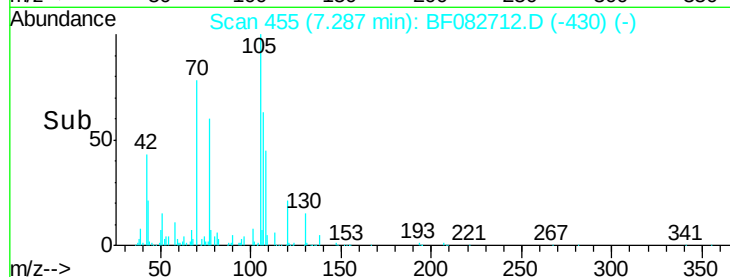
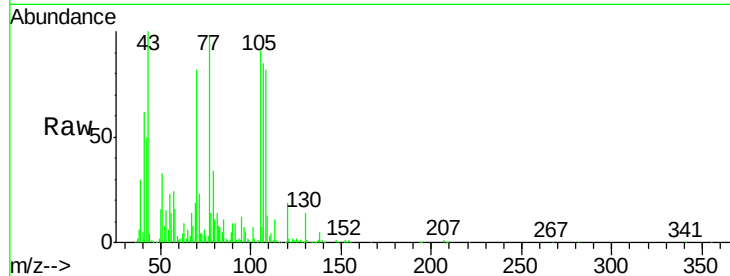
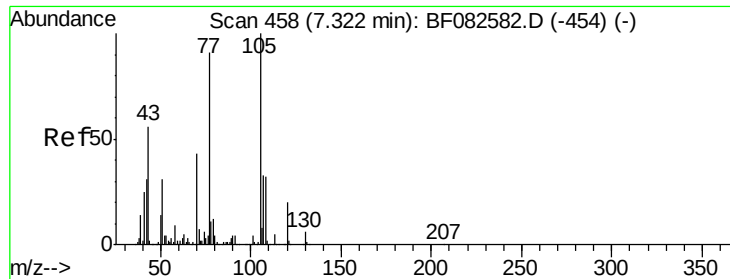
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#18
Hexachloroethane
Concen: 44.78 ng m
RT: 7.39 min Scan# 464
Delta R.T. -0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	111.8	77.7	116.5	
201	113.8	66.7	100.1#	

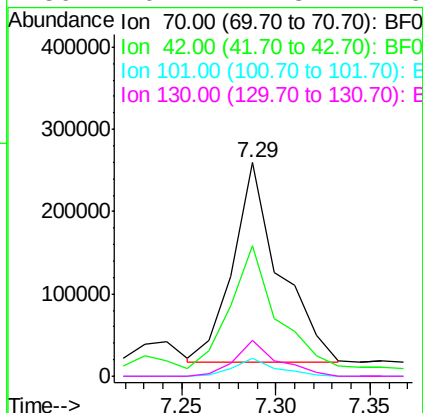




#19
n-Nitroso-di-n-propylamine
Concen: 40.07 ng/ml
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	60.8	57.7	86.5
101	8.2	7.0	10.6
130	16.7	11.8	17.6

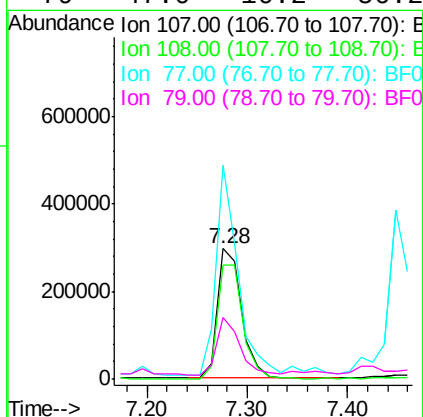


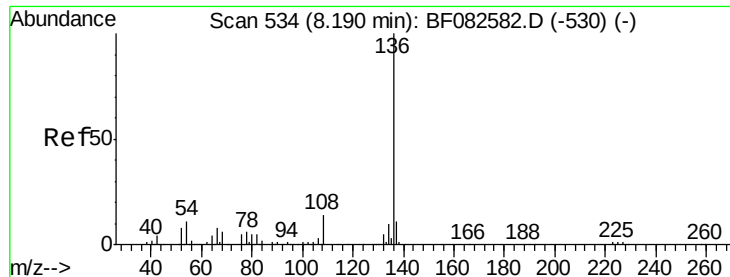
Manual Integrations
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#20
3+4-Methylphenols
Concen: 39.99 ng/ml
RT: 7.28 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.1	67.3	107.3
77	164.1	100.3	140.3#
79	47.0	16.2	56.2





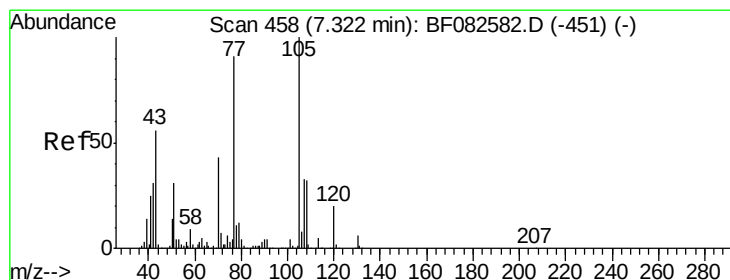
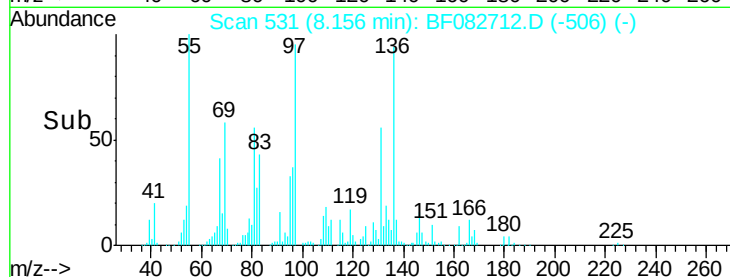
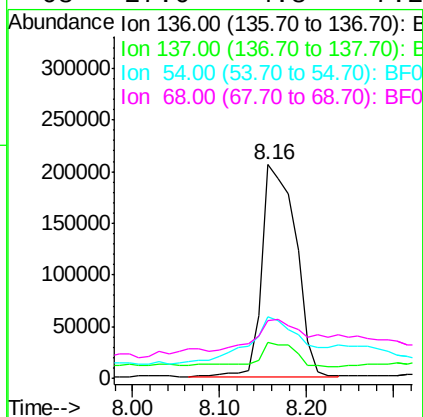
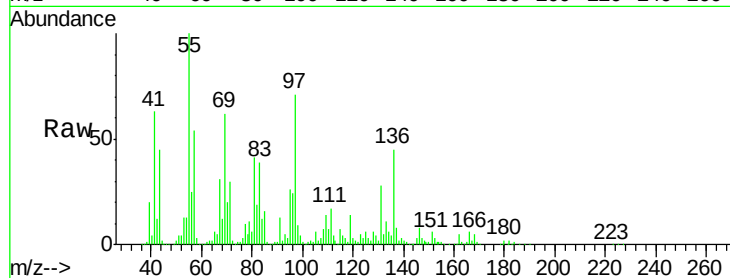
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		559256		
137	16.9	9.1	13.7#		
54	28.6	9.1	13.7#		
68	27.0	4.8	7.2#		

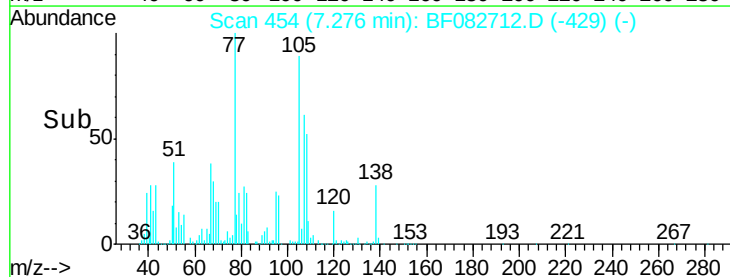
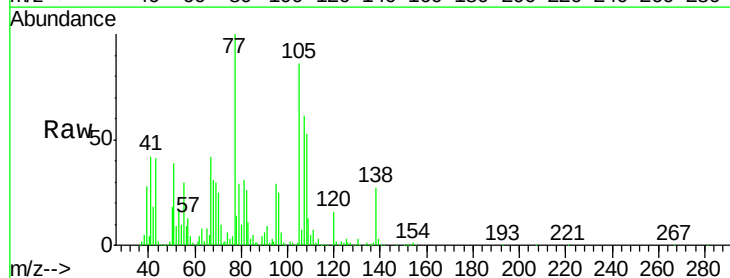
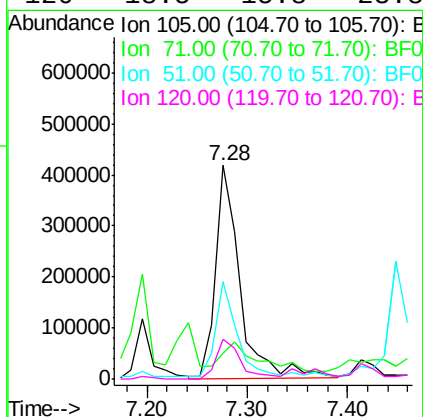
Manual Integrations
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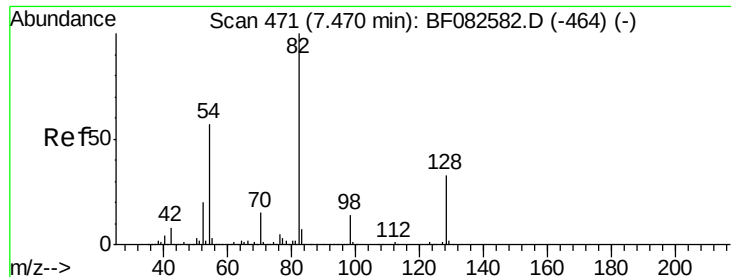
Mmdadoda
11/5/2015 2:19:45 PM



#22
Acetophenone
Concen: 43.03 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		708420		
71	11.7	5.6	8.4#		
51	45.7	24.9	37.3#		
120	18.5	15.8	23.8		





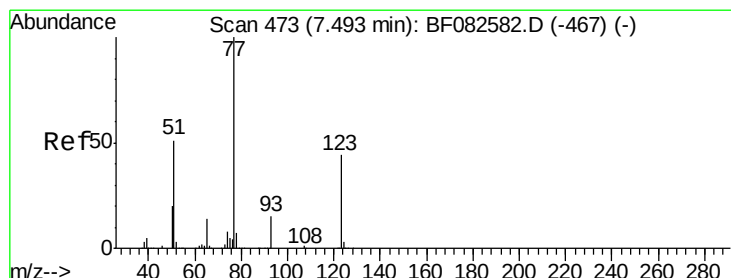
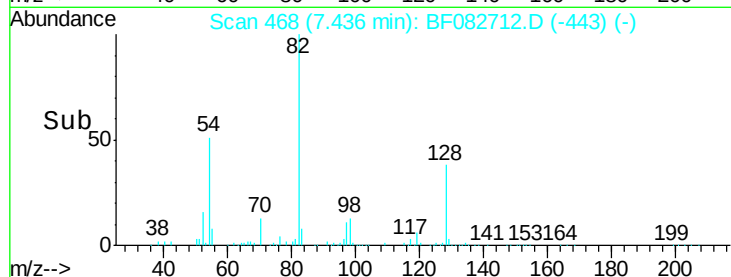
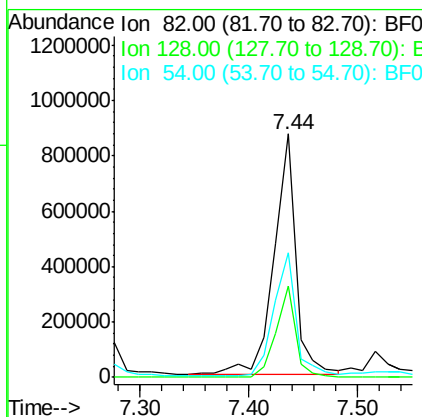
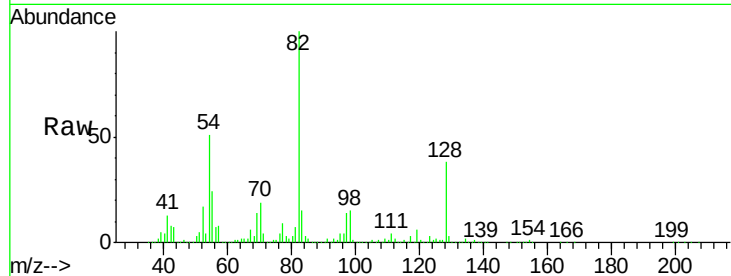
#23
 Nitrobenzene-d5
 Concen: 87.17 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: BF082712.D
 Acq: 4 Nov 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MS

Tot Ion	82	Resp	1193800
Ion	Ratio	Lower	Upper
82	100		
128	37.7	26.8	40.2
54	50.9	45.7	68.5

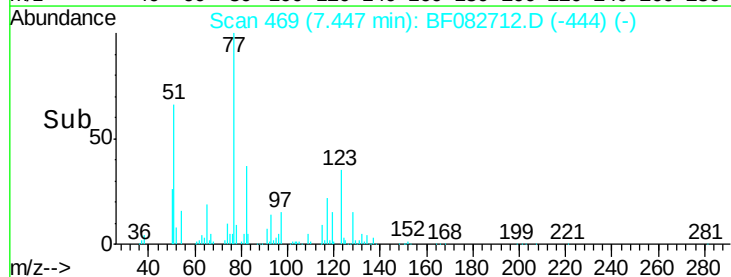
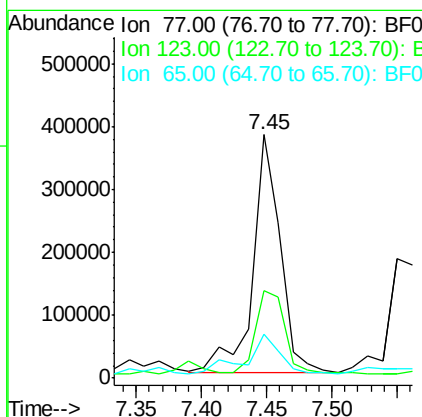
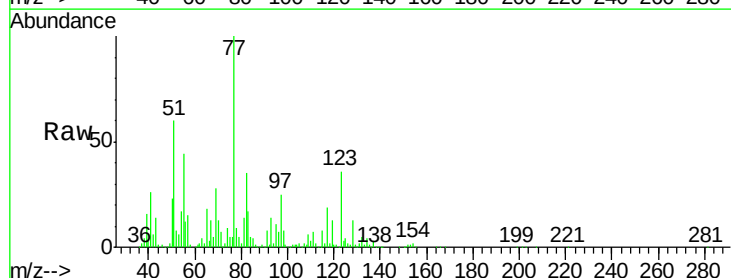
Manual Integrations
 APPROVED

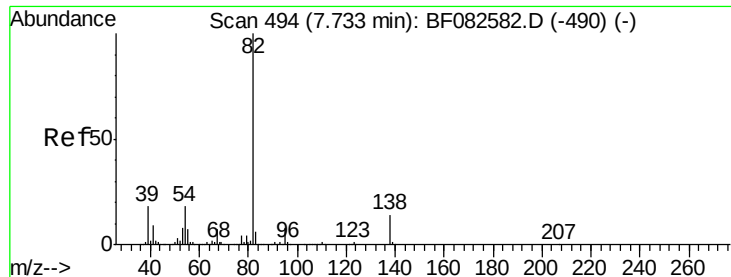
Mmdadoda
 11/5/2015 2:19:45 PM



#24
 Nitrobenzene
 Concen: 40.14 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF082712.D
 Acq: 4 Nov 2015 20:40

Tgt Ion	77	Resp	555713
Ion	Ratio	Lower	Upper
77	100		
123	36.2	36.4	54.6#
65	18.2	11.5	17.3#





#25

Isophorone

Concen: 43.23 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.02 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

ClientSampleId :

TP-15(3)MS

Tot Ion: 82 Resp: 1089289

Ion Ratio Lower Upper

82 100

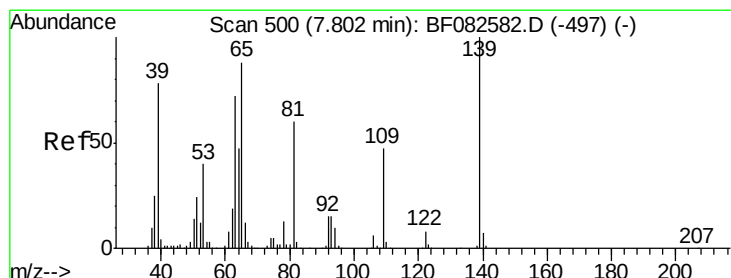
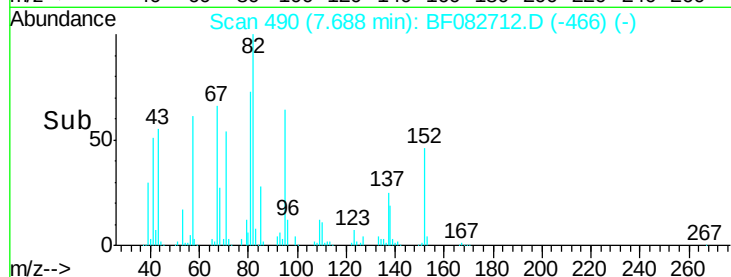
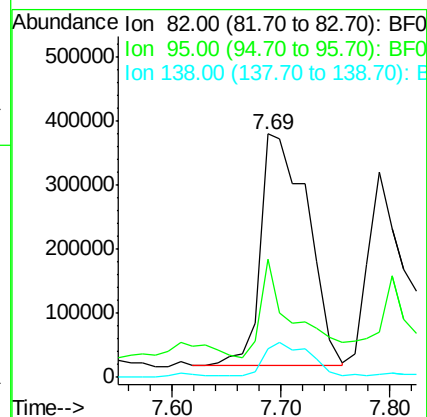
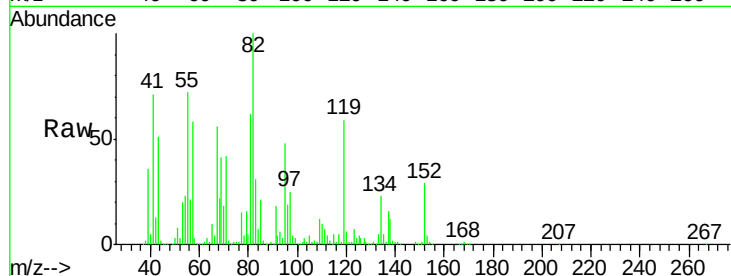
95 48.5 6.6 9.8#

138 11.9 11.4 17.0

Manual Integrations
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11/5/2015 2:19:45 PM



#26

2-Nitrophenol

Concen: 42.41 ng

RT: 7.77 min Scan# 497

Delta R.T. -0.01 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

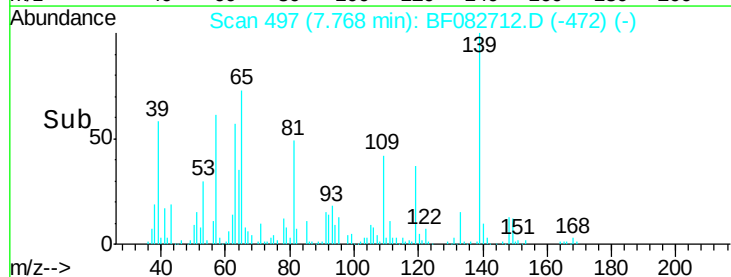
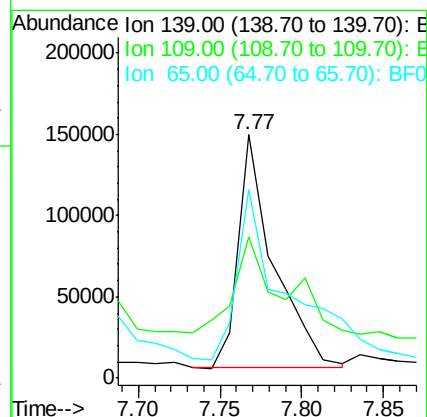
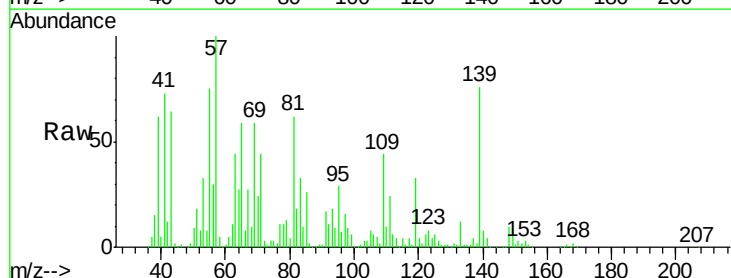
Tgt Ion: 139 Resp: 214481

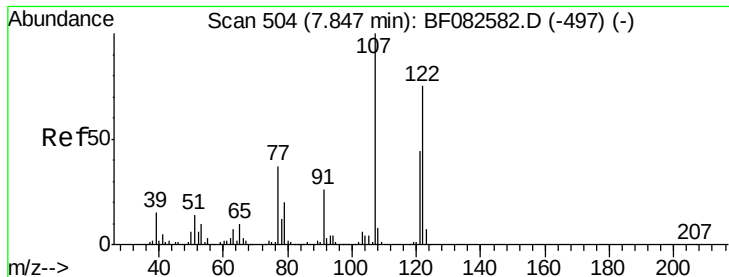
Ion Ratio Lower Upper

139 100

109 57.9 37.6 56.4#

65 77.7 70.6 105.8





#27

2,4-Dimethylphenol

Concen: 35.21 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.01 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

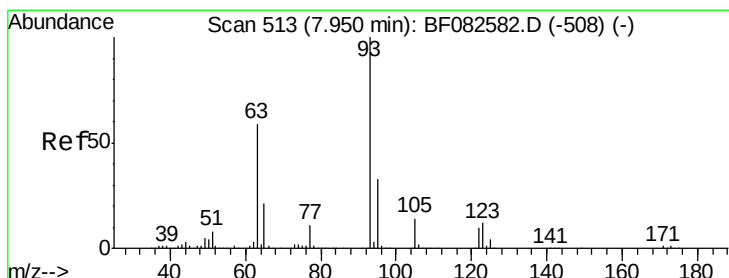
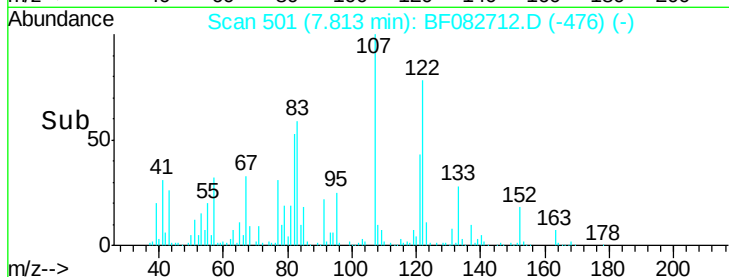
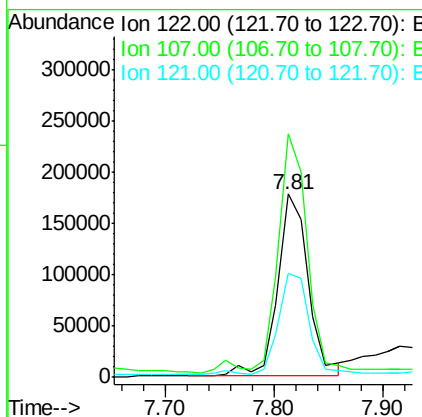
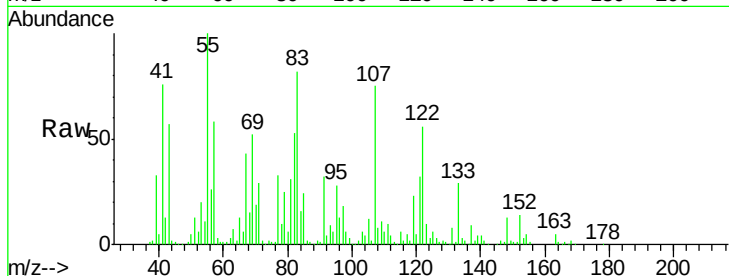
ClientSampleId :

TP-15(3)MS

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Tot Ion	Ratio	Lower	Upper
122	100		
107	133.2	106.0	159.0
121	56.8	46.7	70.1



#28

bis(2-Chloroethoxy)methane

Concen: 40.49 ng

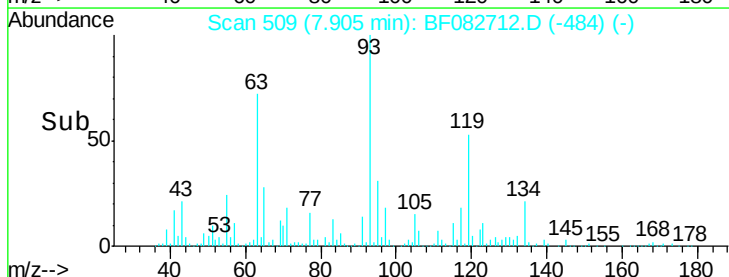
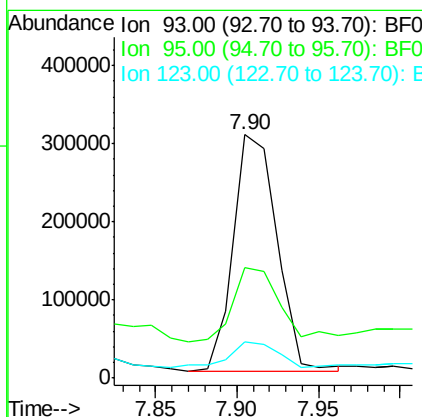
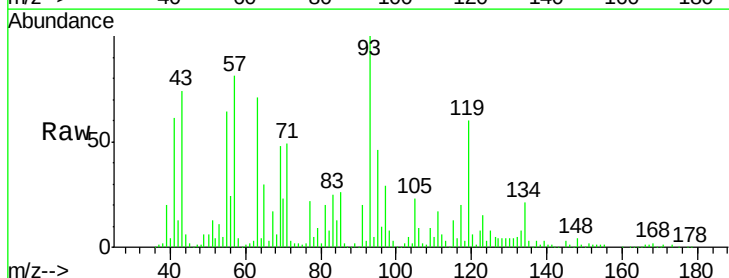
RT: 7.90 min Scan# 509

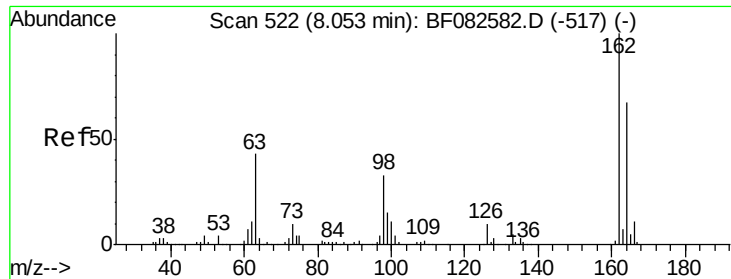
Delta R.T. -0.01 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	45.6	26.6	40.0#
123	14.7	9.7	14.5#





#29

2,4-Dichlorophenol

Concen: 42.43 ng

RT: 8.02 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

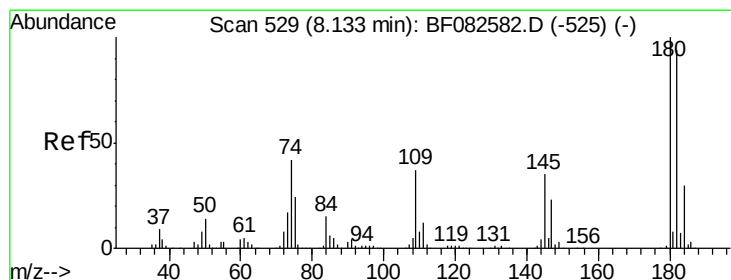
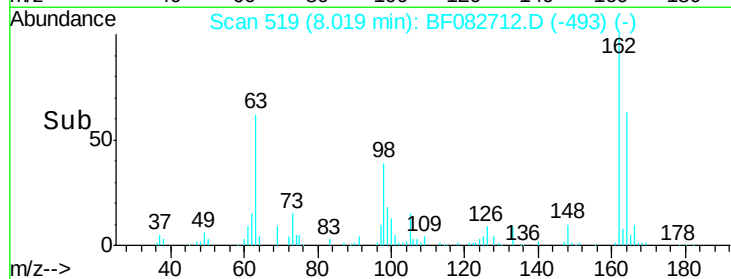
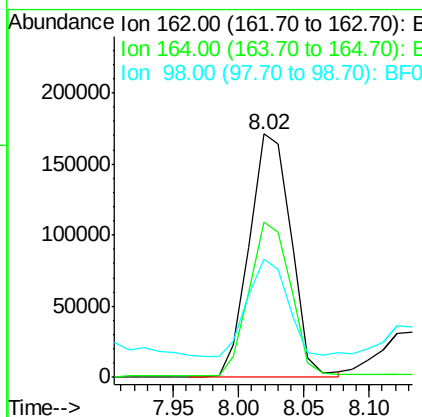
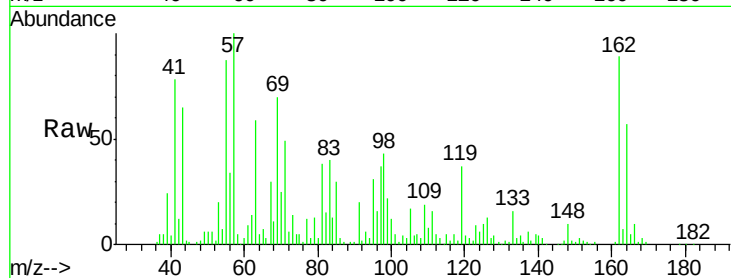
ClientSampleId :

TP-15(3)MS

Tot Ion:	162	Resp:	381775
Ion Ratio	Lower	Upper	
162	100		
164	63.5	46.8	86.8
98	48.4	12.5	52.5

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 39.33 ng

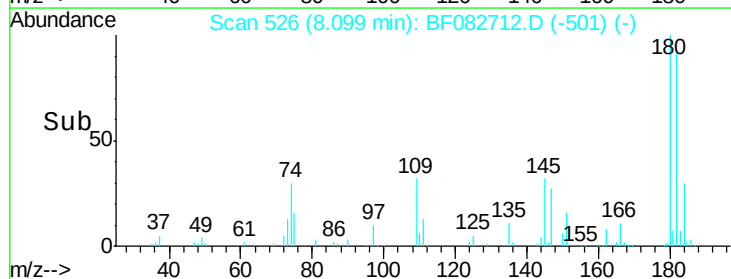
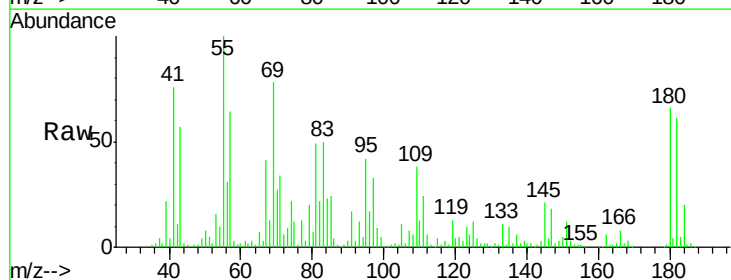
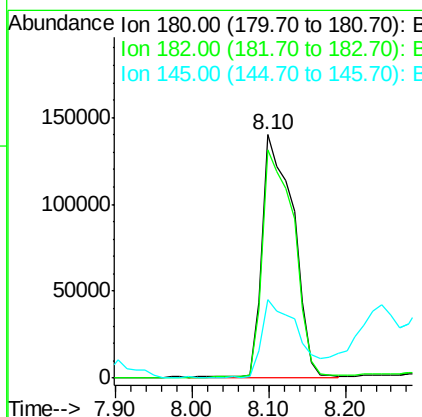
RT: 8.10 min Scan# 526

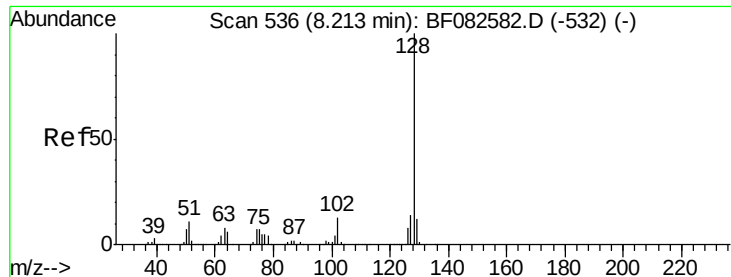
Delta R.T. -0.01 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Tgt Ion:	180	Resp:	392724
Ion Ratio	Lower	Upper	
180	100		
182	93.5	74.9	112.3
145	32.2	27.8	41.8





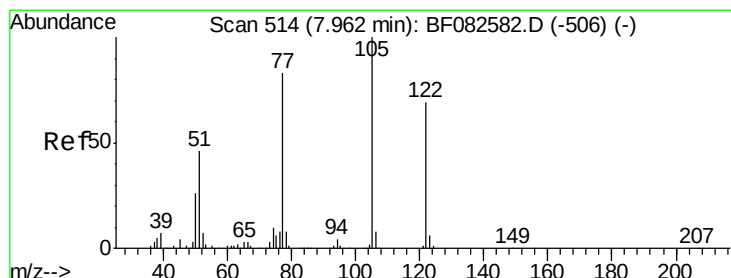
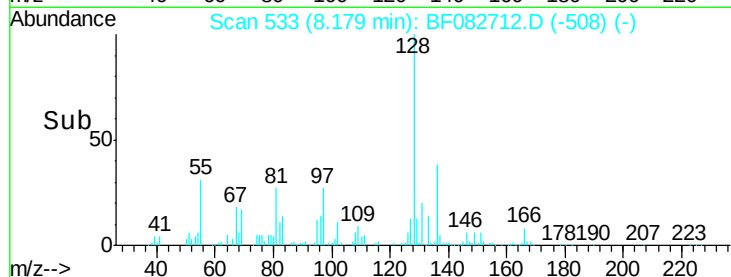
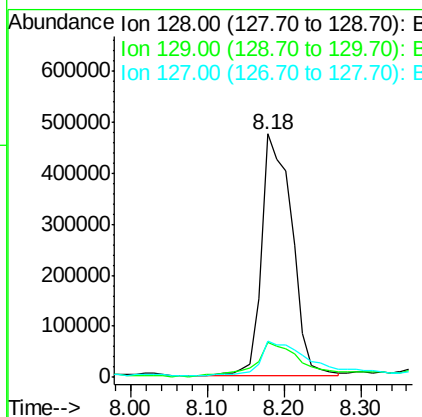
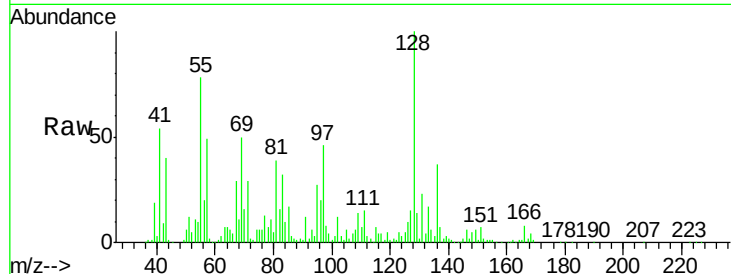
#31
Naphthalene
Concen: 43.02 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MS

Tot Ion:128 Resp: 1301797
Ion Ratio Lower Upper
128 100
129 14.3 9.5 14.3#
127 14.8 11.4 17.0

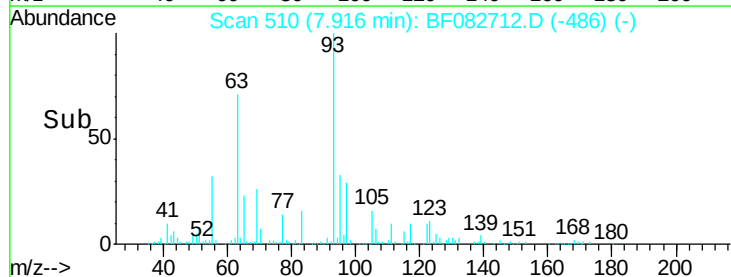
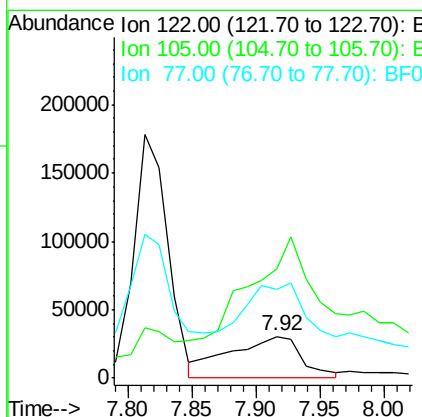
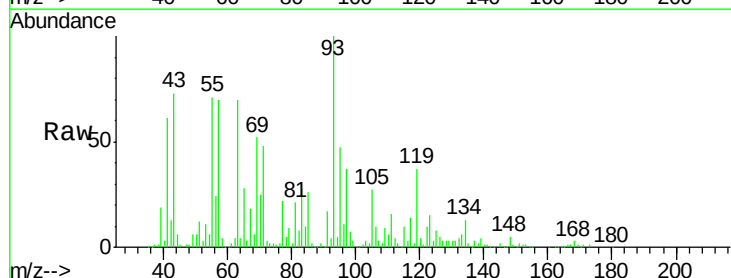
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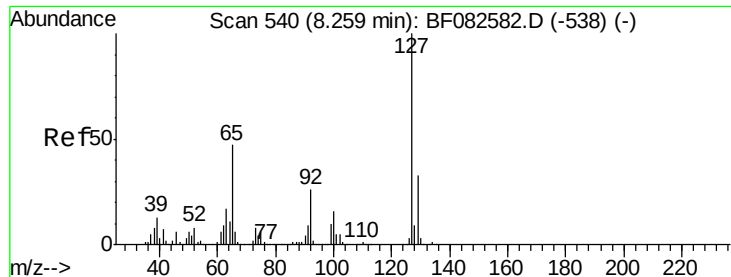
Mmdadoda
11/5/2015 2:19:45 PM



#32
Benzoic acid
Concen: 16.84 ng m
RT: 7.92 min Scan# 510
Delta R.T. -0.02 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion:122 Resp: 120569
Ion Ratio Lower Upper
122 100
105 264.7 122.6 162.6#
77 214.9 100.9 140.9#





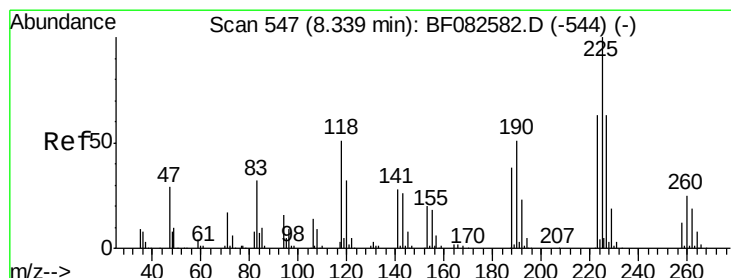
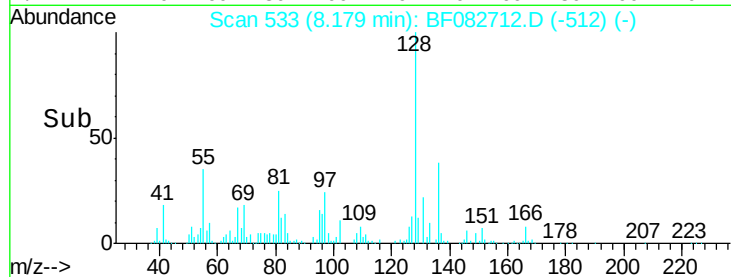
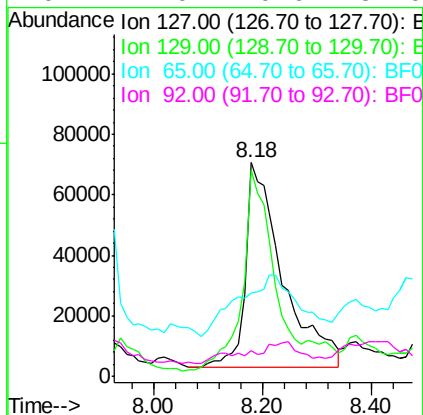
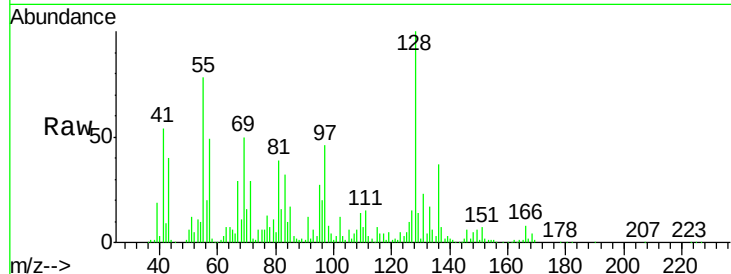
#33
4-Chloroaniline
Concen: 25.30 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.06 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampled :
TP-15(3)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	96.6	26.3	39.5#		
65	39.0	37.8	56.8		
92	12.0	20.6	31.0#		

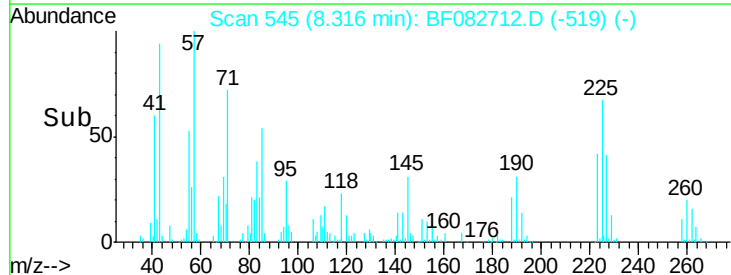
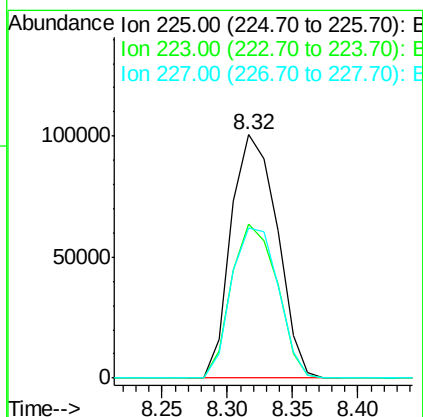
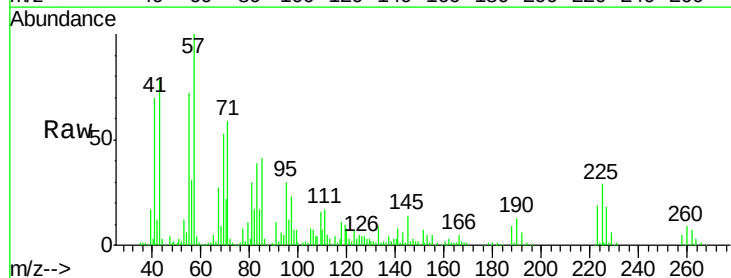
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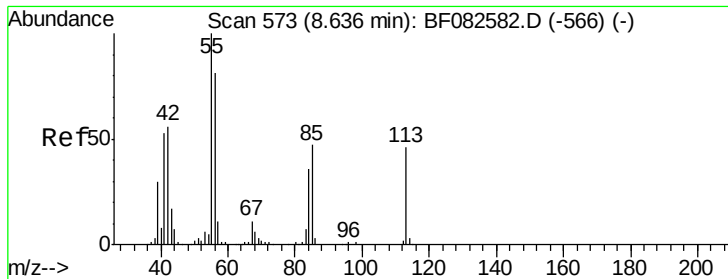
Mmdadoda
11/5/2015 2:19:45 PM



#34
Hexachlorobutadiene
Concen: 39.04 ng
RT: 8.32 min Scan# 545
Delta R.T. 0.00 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.2	50.5	75.7		
227	61.9	50.2	75.2		





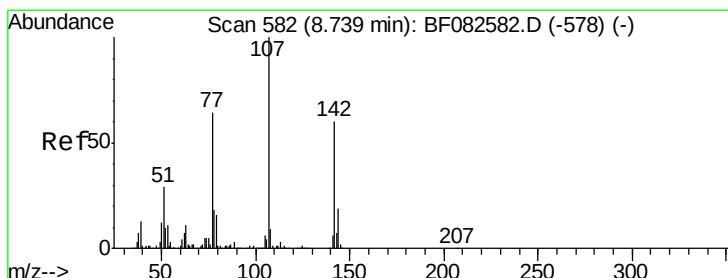
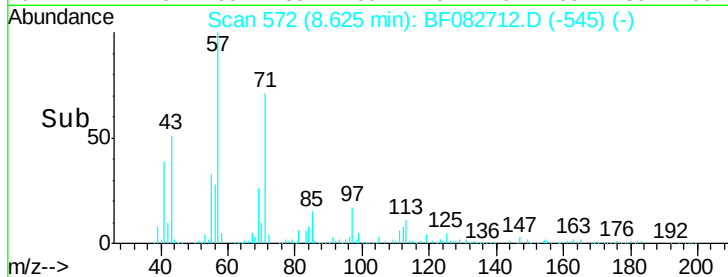
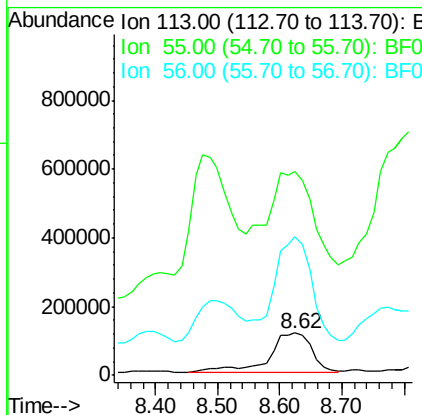
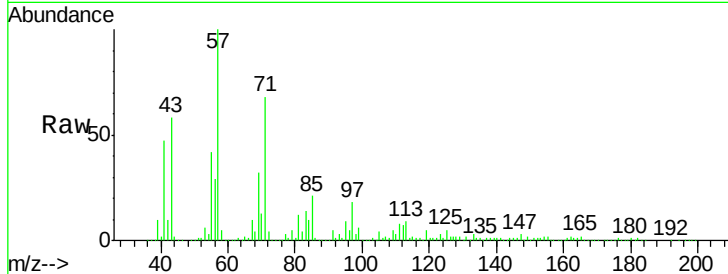
#35
 Caprolactam
 Concen: 206.66 ng
 RT: 8.62 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: BF082712.D
 Acq: 4 Nov 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	482.9	195.5	235.5#
56	330.1	153.5	193.5#

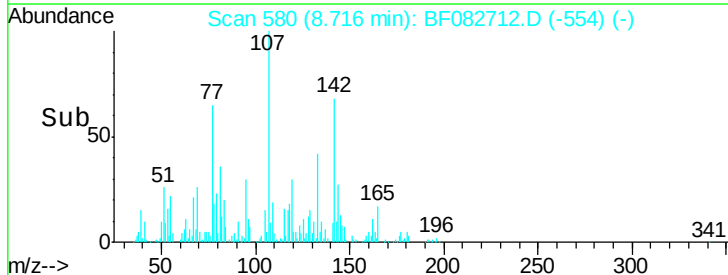
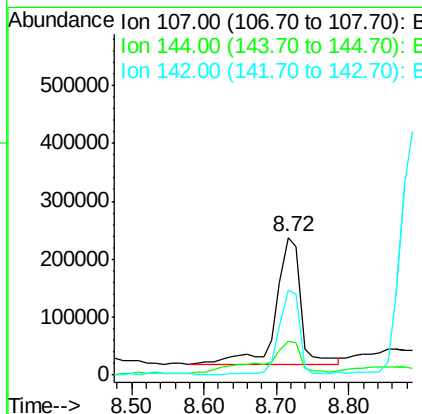
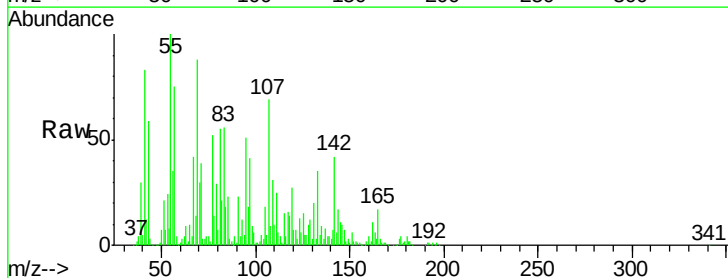
Manual Integrations
 APPROVED

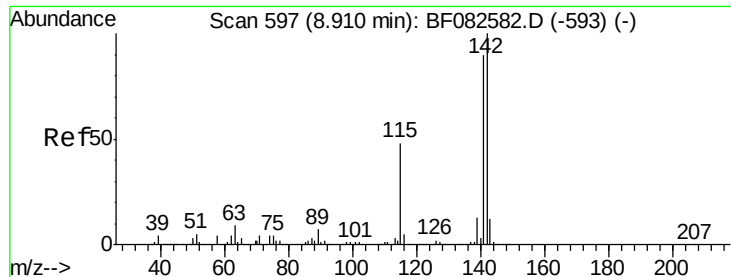
Mmdadoda
 11/5/2015 2:19:45 PM



#36
 4-Chloro-3-methylphenol
 Concen: 48.79 ng
 RT: 8.72 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: BF082712.D
 Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.7	15.4	23.0#
142	61.5	47.8	71.8





#37

2-Methylnaphthalene

Concen: 68.39 ng

RT: 8.89 min Scan# 595

Delta R.T. 0.00 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

ClientSampled :

TP-15(3)MS

Tot Ion:142 Resp: 1341363

Ion Ratio Lower Upper

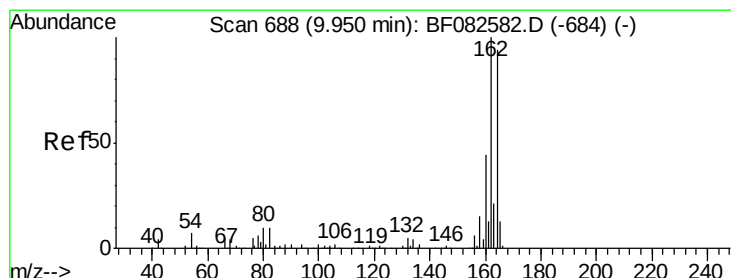
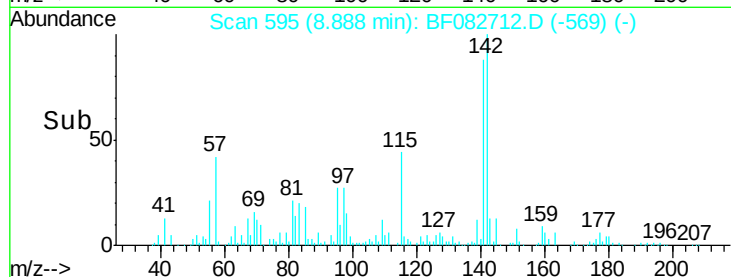
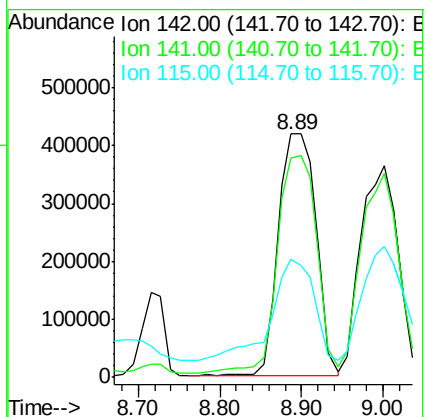
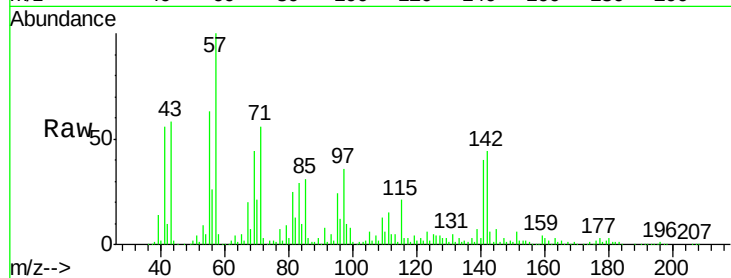
142 100

141 90.0 72.3 108.5

115 48.3 38.1 57.1

Manual Integrations
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11/5/2015 2:19:45 PM



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 689

Delta R.T. 0.03 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

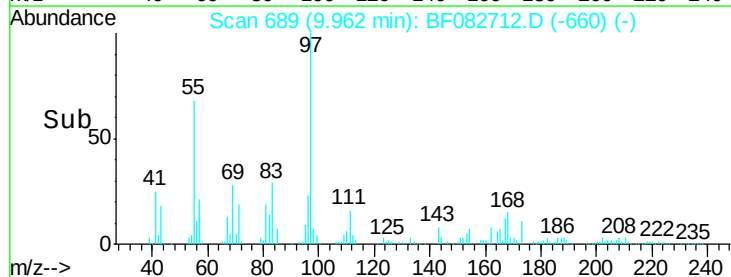
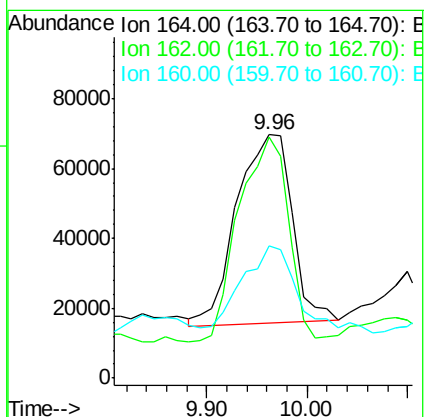
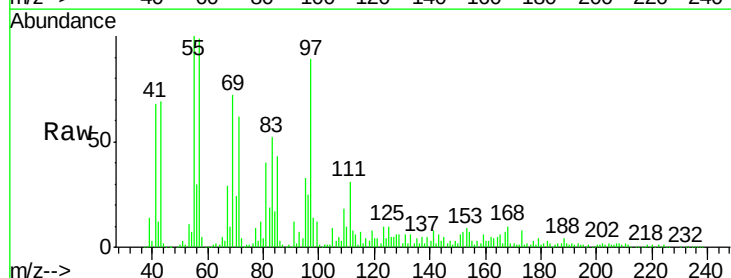
Tgt Ion:164 Resp: 204988

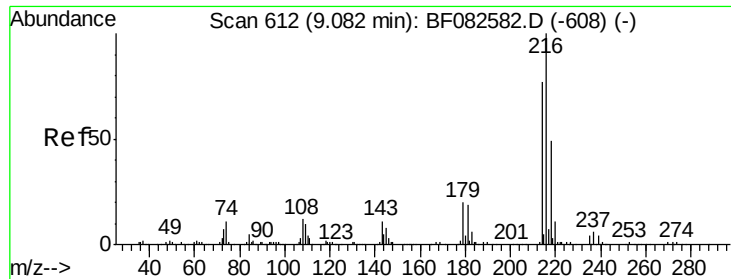
Ion Ratio Lower Upper

164 100

162 99.0 84.9 127.3

160 54.4 37.5 56.3





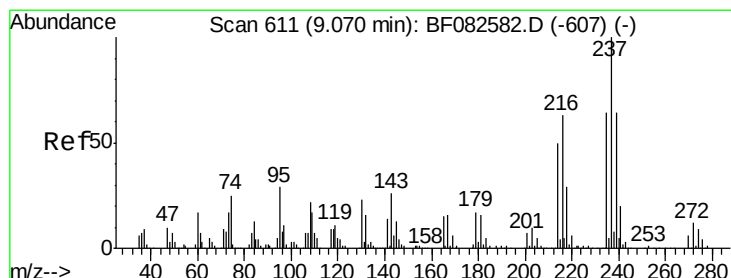
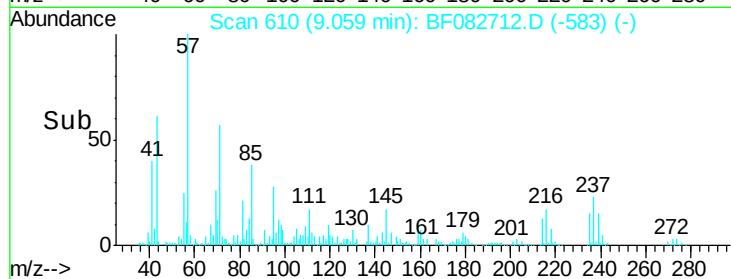
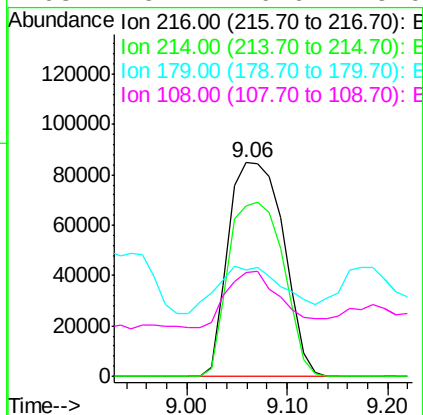
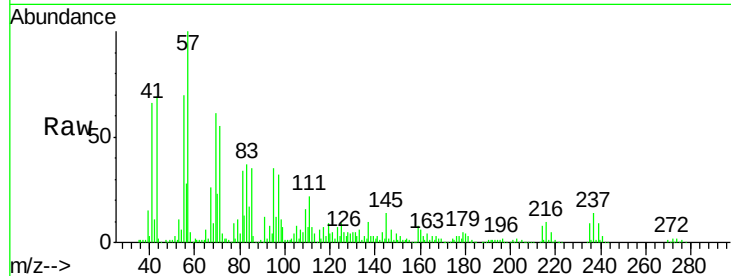
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.25 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: BF082712.D
 Acq: 4 Nov 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		323198		
214	81.2	62.2	93.2		
179	0.0	18.1	27.1#		
108	25.7	16.6	25.0#		

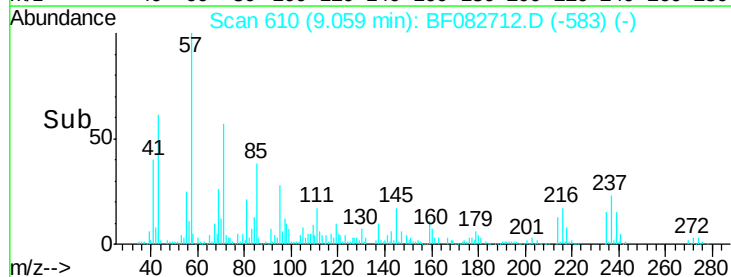
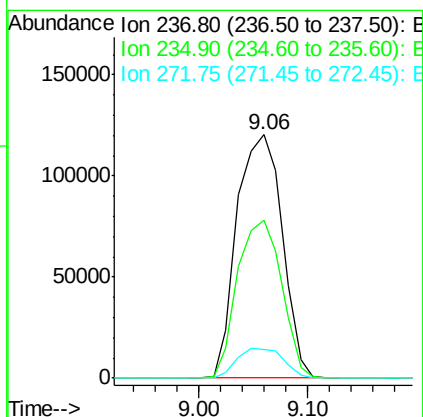
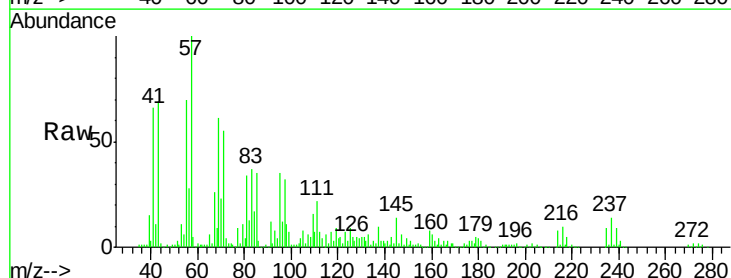
Manual Integrations
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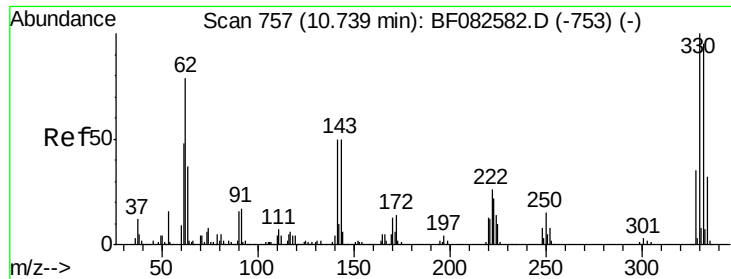
Mmdadoda
 11/5/2015 2:19:45 PM



#40
 Hexachlorocyclopentadiene
 Concen: 80.76 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: BF082712.D
 Acq: 4 Nov 2015 20:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		347310		
235	65.0	44.3	84.3		
272	11.7	0.0	31.9		





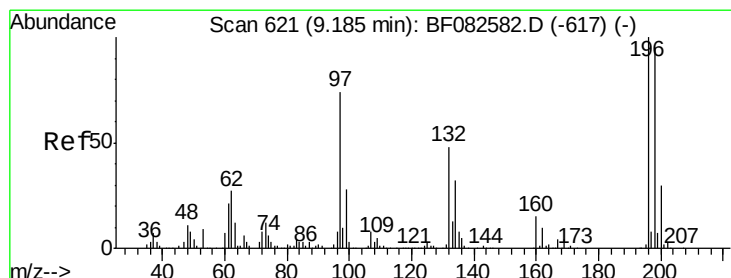
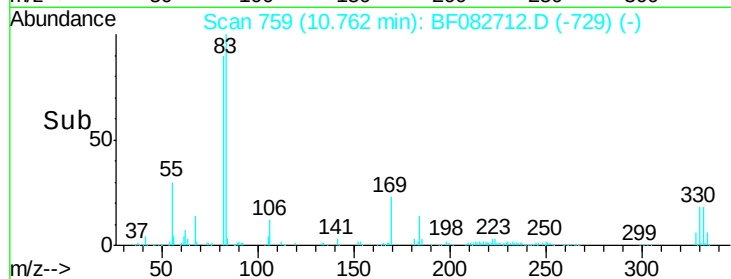
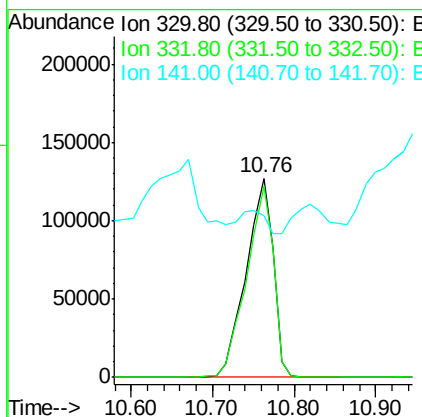
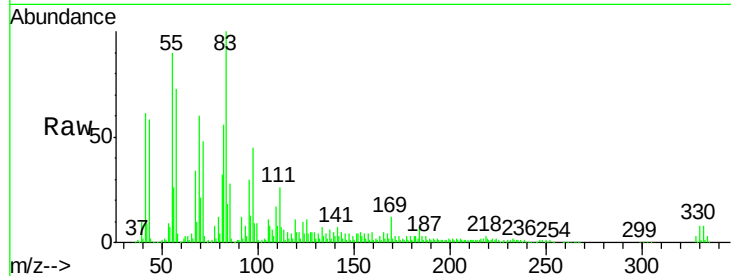
#41
 2,4,6-Tribromophenol
 Concen: 130.69 ng
 RT: 10.76 min Scan# 759
 Delta R.T. 0.05 min
 Lab File: BF082712.D
 Acq: 4 Nov 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MS

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	114.8
141	11.2	41.2	61.8

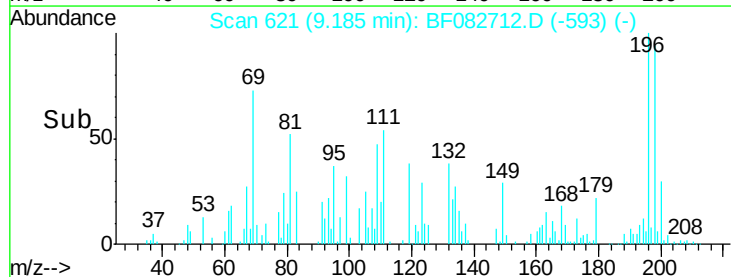
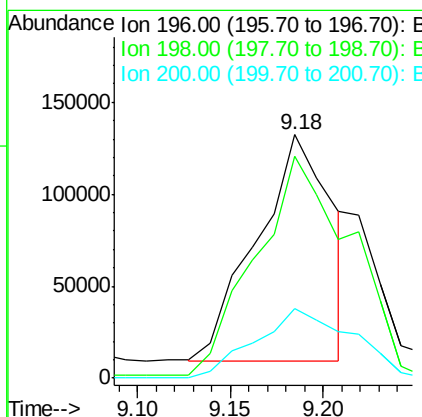
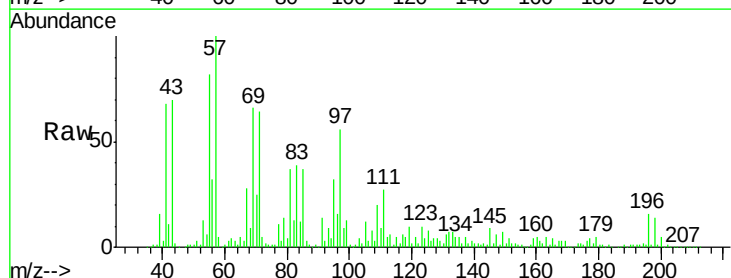
Manual Integrations
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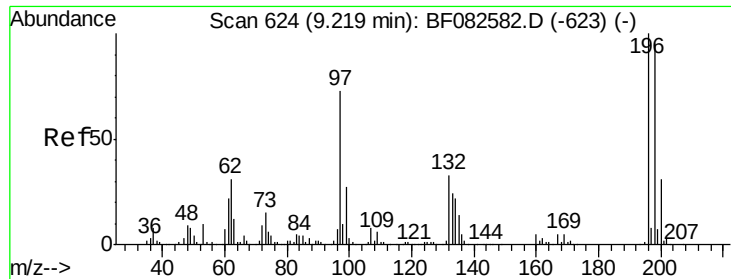
Mmdadoda
 11/5/2015 2:19:45 PM



#42
 2,4,6-Trichlorophenol
 Concen: 69.88 ng m
 RT: 9.18 min Scan# 621
 Delta R.T. 0.02 min
 Lab File: BF082712.D
 Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
196	100		
198	90.9	76.3	114.5
200	28.8	23.9	35.9





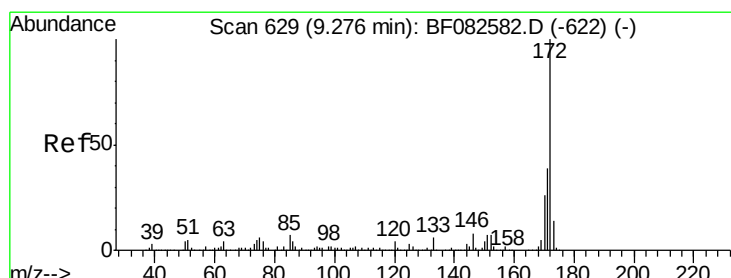
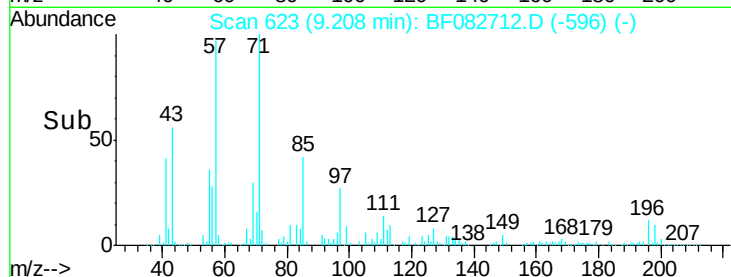
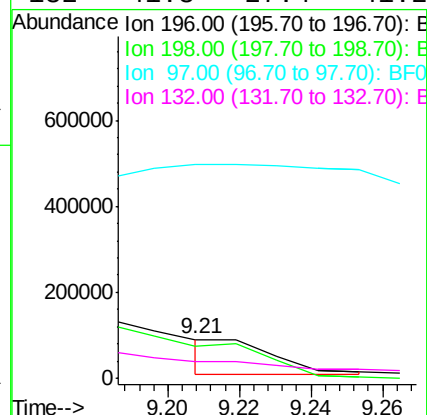
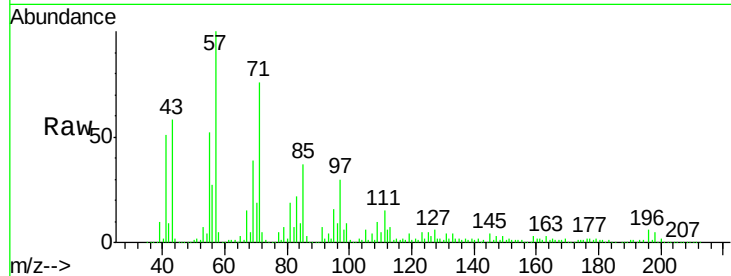
#43
2,4,5-Trichlorophenol
Concen: 18.31 ng/mL
RT: 9.21 min Scan# 623
Delta R.T. 0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		90106		
198	83.1	75.8	113.8		
97	547.4	62.3	93.5		
132	41.3	27.4	41.2		

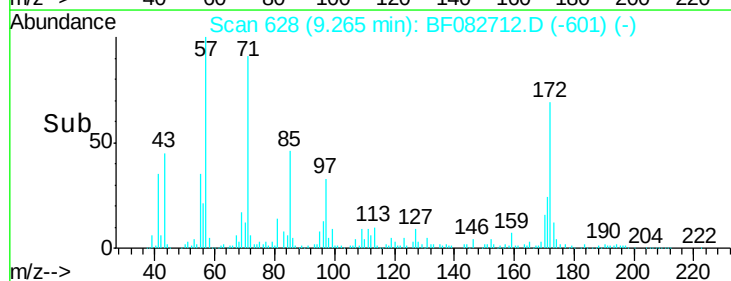
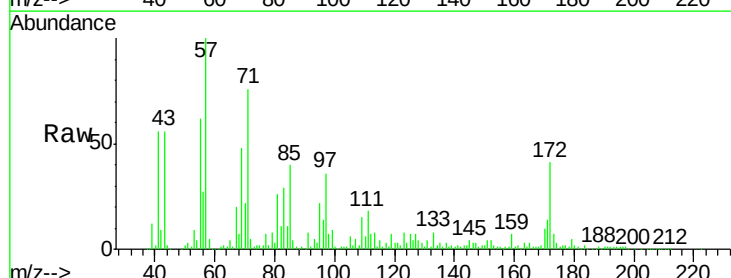
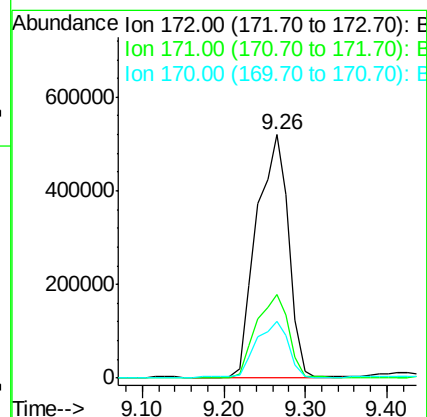
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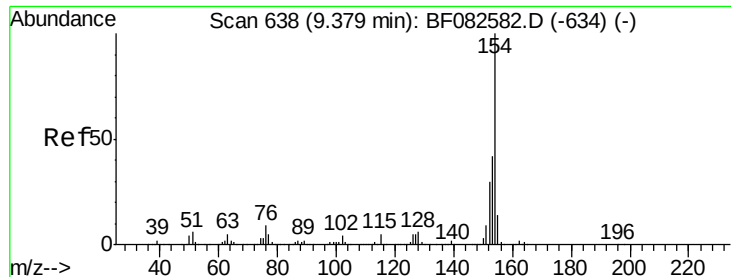
Mmdadoda
11/5/2015 2:19:45 PM



#44
2-Fluorobiphenyl
Concen: 98.31 ng/mL
RT: 9.26 min Scan# 628
Delta R.T. 0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1419434		
171	34.4	30.8	46.2		
170	23.5	21.2	31.8		





#45

1,1'-Biphenyl

Concen: 48.57 ng

RT: 9.37 min Scan# 637

Delta R.T. 0.02 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

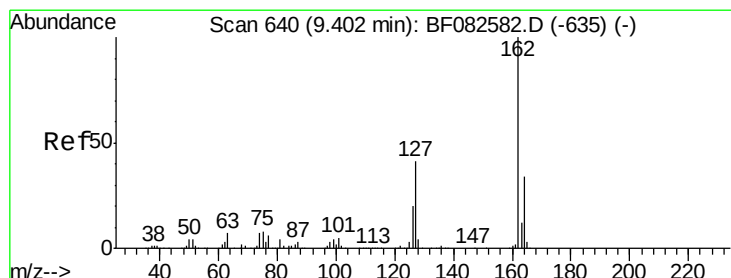
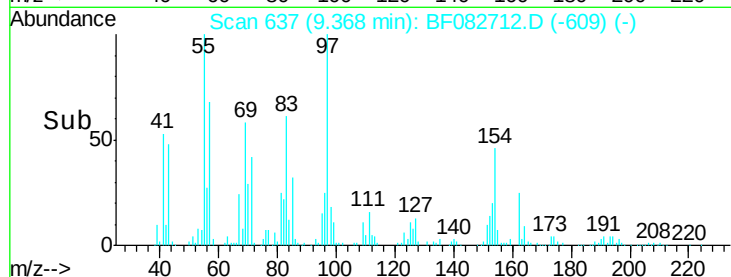
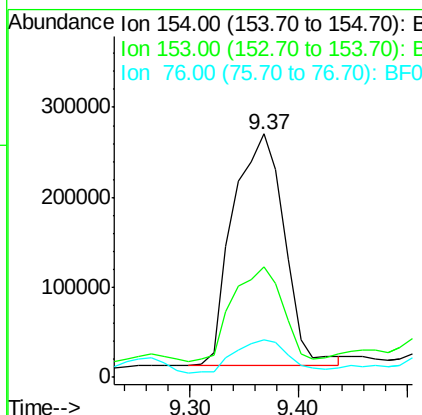
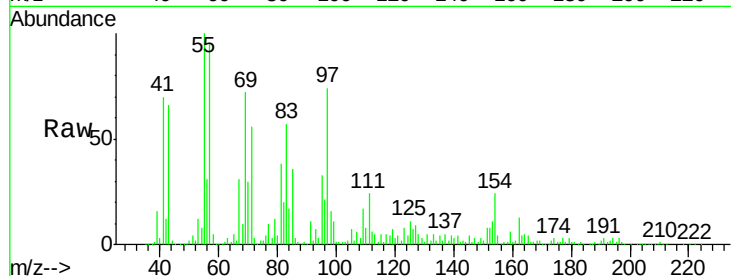
ClientSampleId :

TP-15(3)MS

Tot Ion:	154	Resp:	840959
Ion Ratio	Lower	Upper	
154	100		
153	45.2	22.0	62.0
76	15.7	0.0	29.0

Manual Integrations
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#46

2-Chloronaphthalene

Concen: 44.87 ng

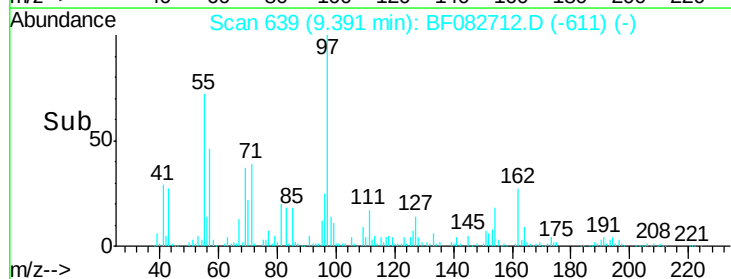
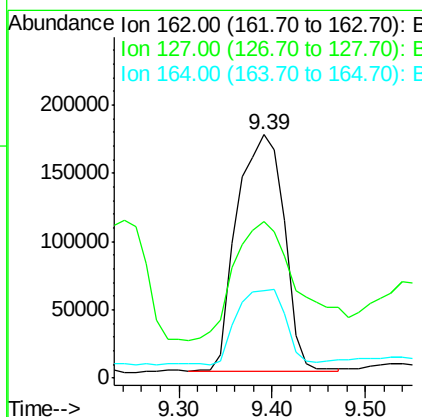
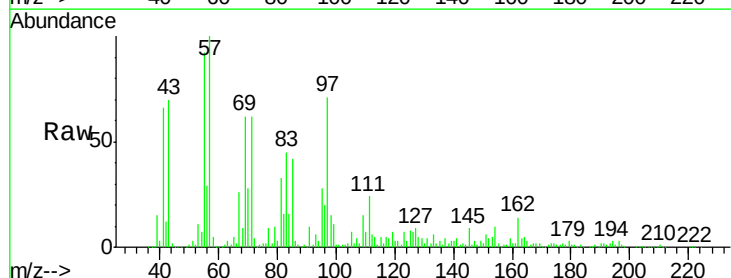
RT: 9.39 min Scan# 639

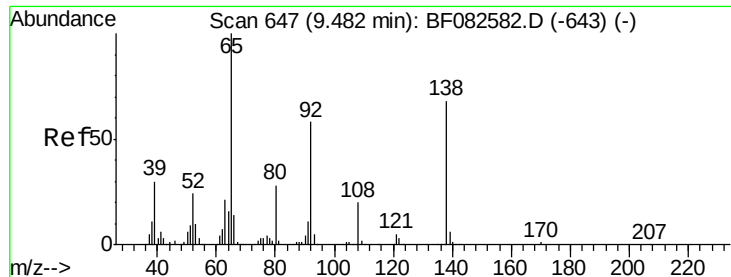
Delta R.T. 0.02 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Tgt Ion:	162	Resp:	606669
Ion Ratio	Lower	Upper	
162	100		
127	64.3	32.7	49.1#
164	36.1	27.4	41.0





#47

2-Nitroaniline

Concen: 80.32 ng

RT: 9.47 min Scan# 646

Delta R.T. 0.01 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

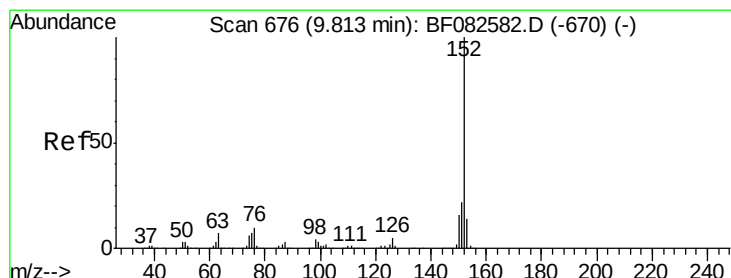
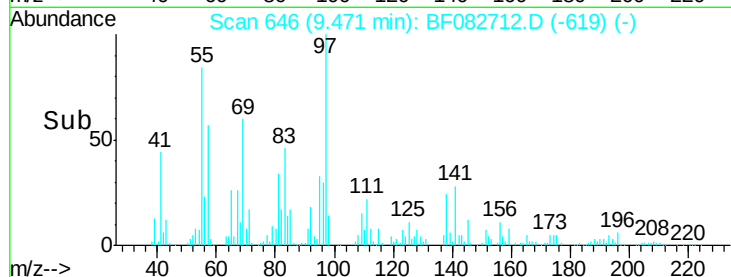
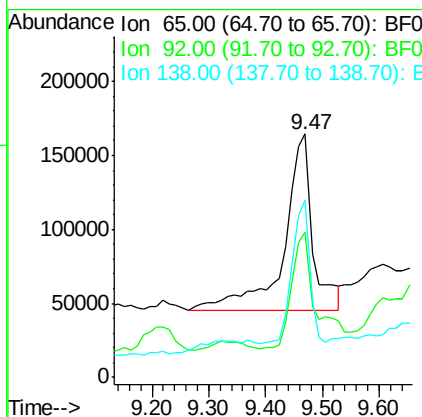
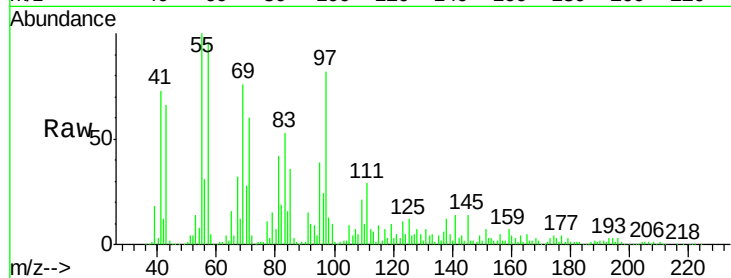
ClientSampled :

TP-15(3)MS

Tot Ion:	65	Resp:	422118
Ion Ratio	Lower	Upper	
65	100		
92	59.5	46.6	70.0
138	73.0	54.6	81.8

Manual Integrations
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#48

Acenaphthylene

Concen: 44.77 ng

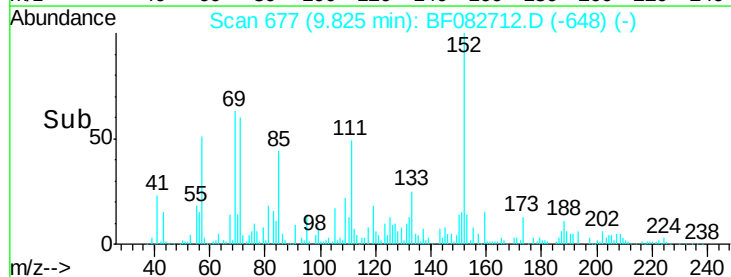
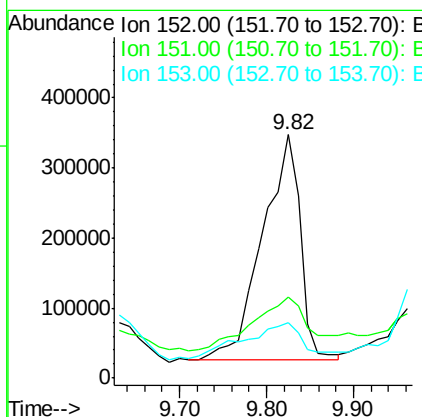
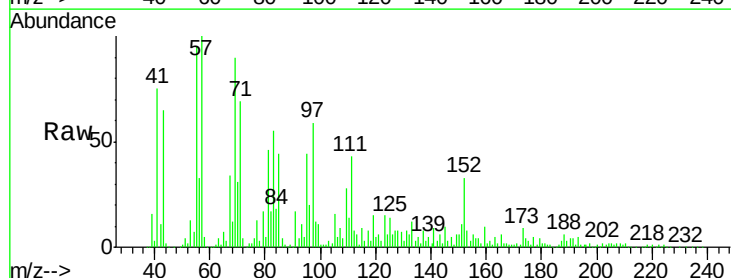
RT: 9.82 min Scan# 677

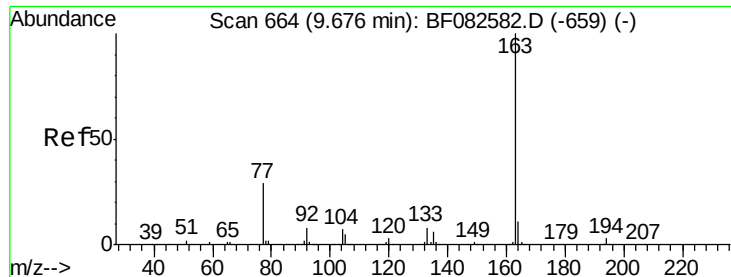
Delta R.T. 0.03 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Tgt Ion:	152	Resp:	968277
Ion Ratio	Lower	Upper	
152	100		
151	33.4	17.3	25.9#
153	22.7	11.3	16.9#





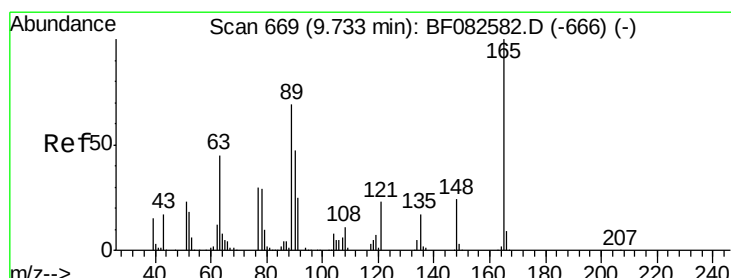
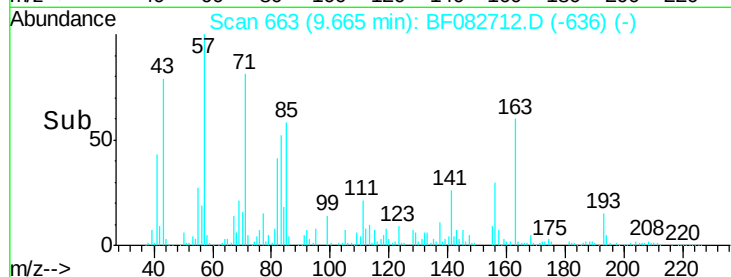
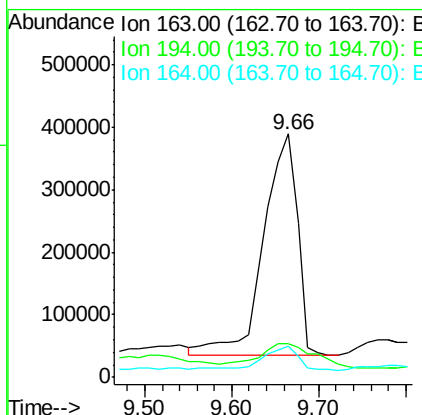
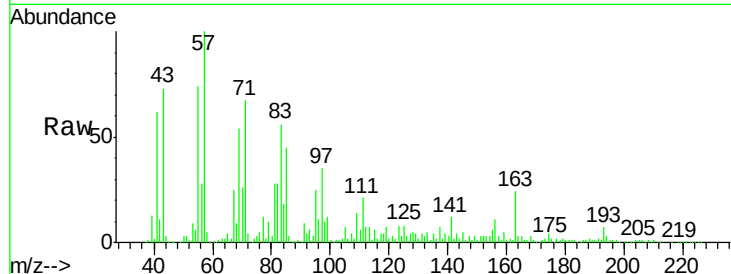
#49
Dimethylphthalate
Concen: 57.47 ng
RT: 9.66 min Scan# 663
Delta R.T. 0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		962073		
194	13.9	2.6	4.0#		
164	13.0	8.7	13.1		

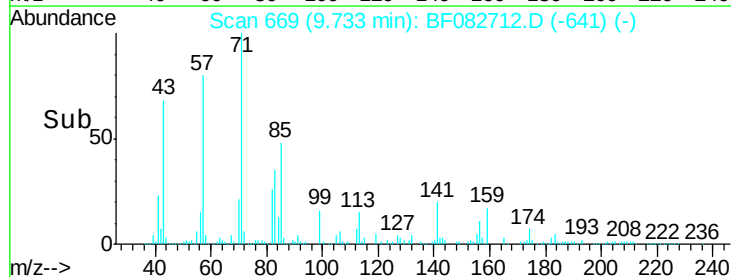
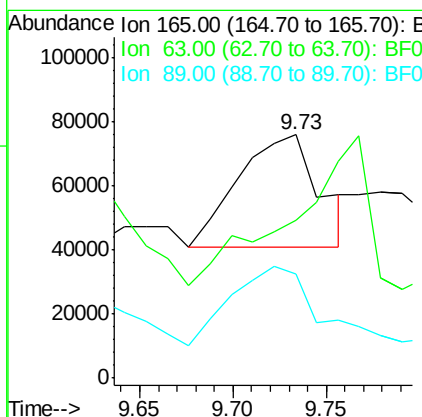
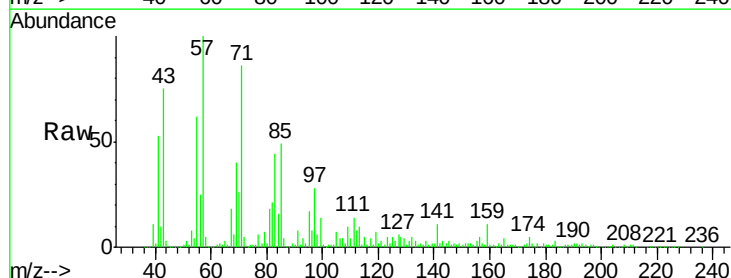
Manual Integrations
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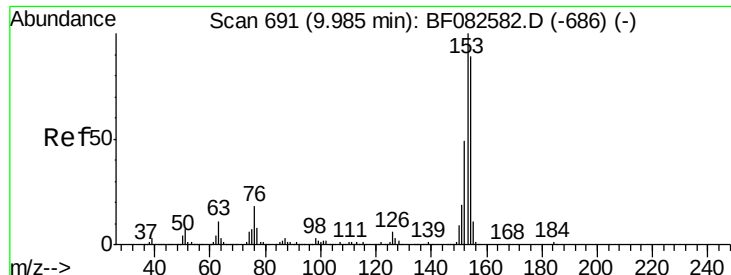
Mmdadoda
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#50
2,6-Dinitrotoluene
Concen: 30.34 ng
RT: 9.73 min Scan# 669
Delta R.T. 0.02 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
165	100		105287		
63	64.6	55.5	83.3		
89	43.0	55.0	82.6#		





#51

Acenaphthene

Concen: 44.08 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.03 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

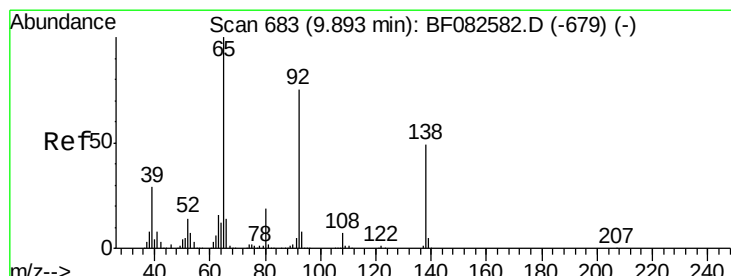
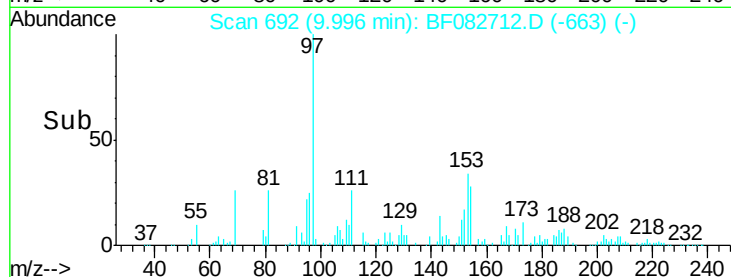
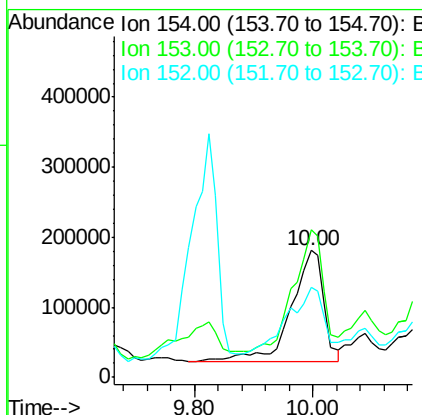
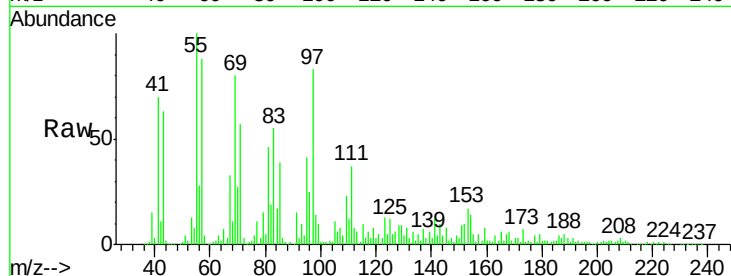
ClientSampleId :

TP-15(3)MS

Tot Ion	Ratio	Lower	Upper
154	100		
153	116.5	90.1	135.1
152	70.8	44.3	66.5

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#52

3-Nitroaniline

Concen: 65.54 ng

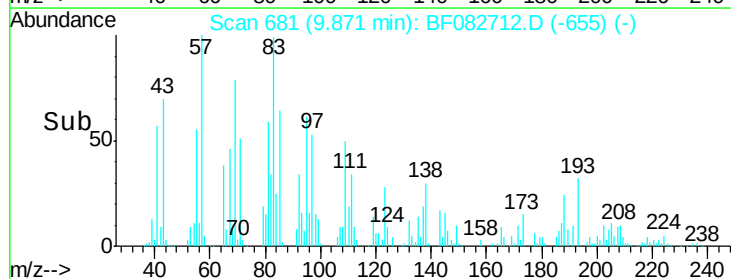
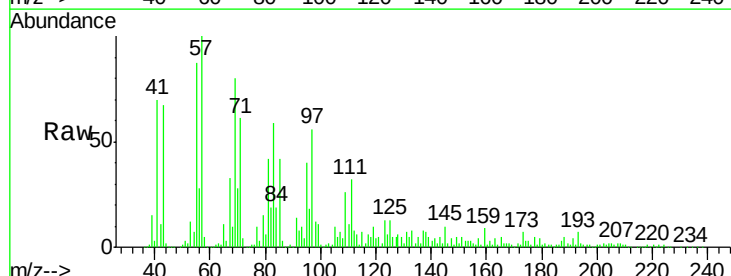
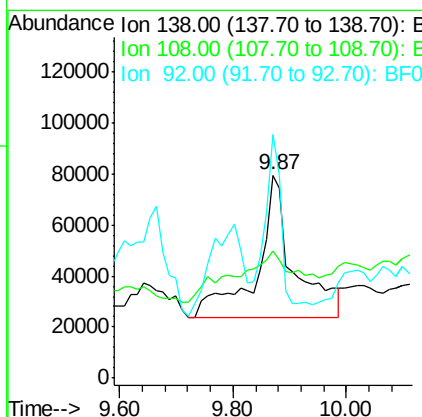
RT: 9.87 min Scan# 681

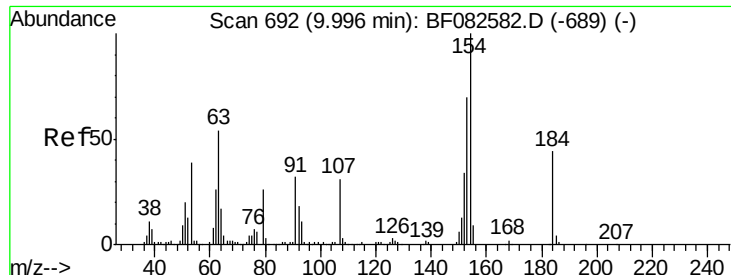
Delta R.T. 0.00 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
138	100		
108	62.4	11.3	16.9
92	119.9	122.4	183.6





#53

2,4-Dinitrophenol

Concen: 53.24 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.03 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

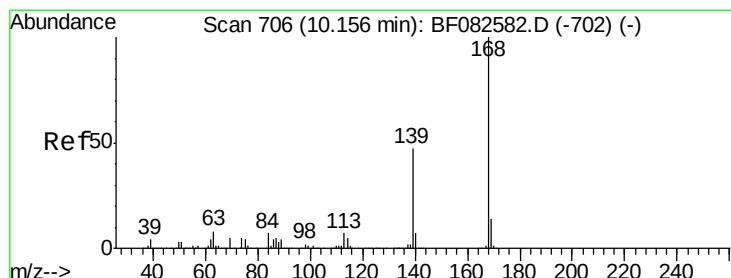
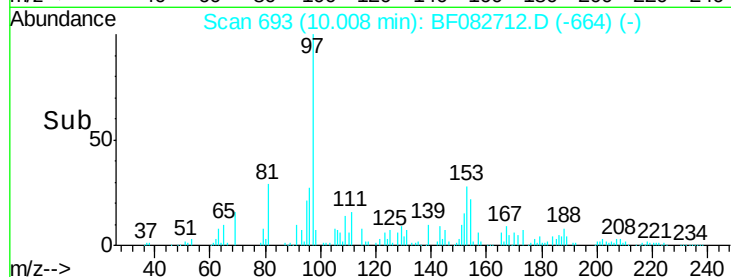
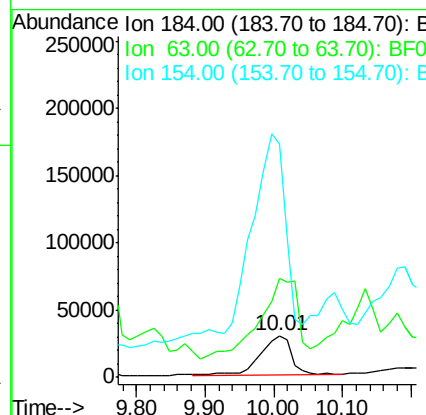
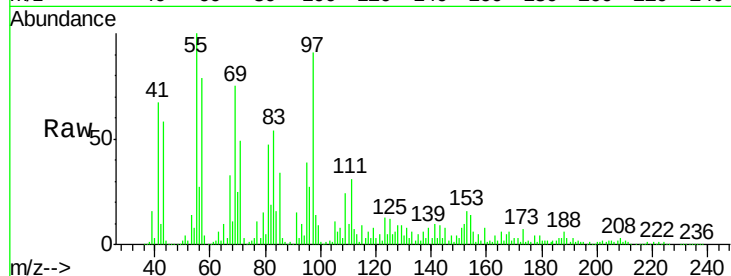
ClientSampleId :

TP-15(3)MS

Tot Ion	Ratio	Lower	Upper
184	100		
63	239.0	98.6	148.0#
154	562.2	183.9	275.9#

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#54

Dibenzofuran

Concen: 40.87 ng

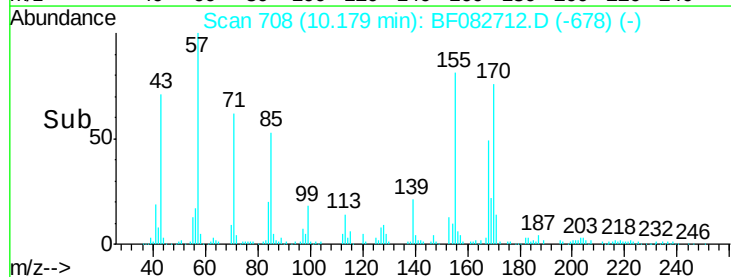
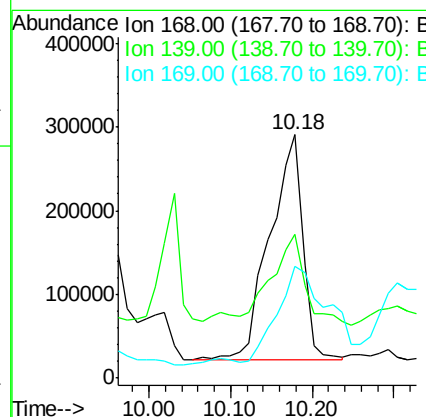
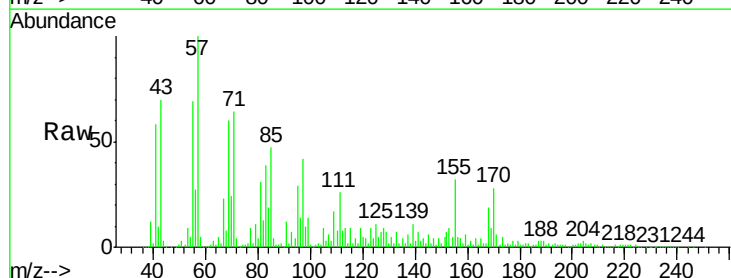
RT: 10.18 min Scan# 708

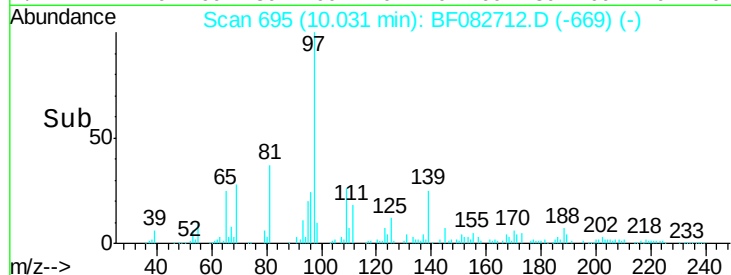
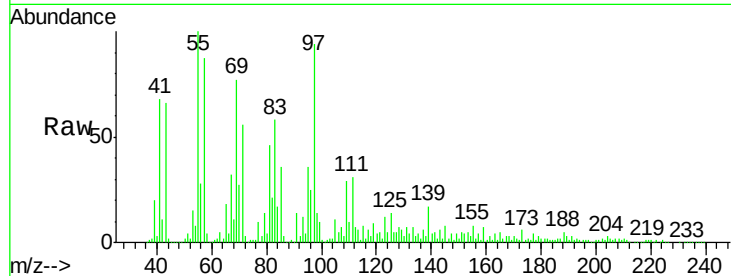
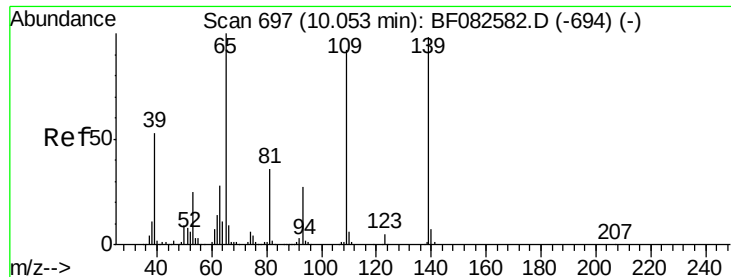
Delta R.T. 0.05 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
168	100		
139	59.2	37.8	56.6#
169	45.8	11.3	16.9#





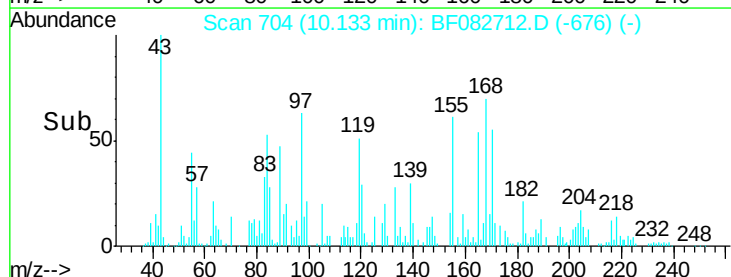
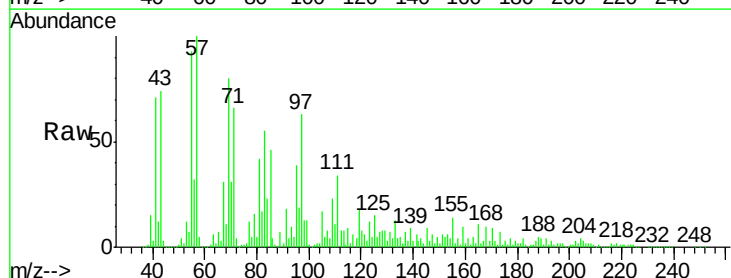
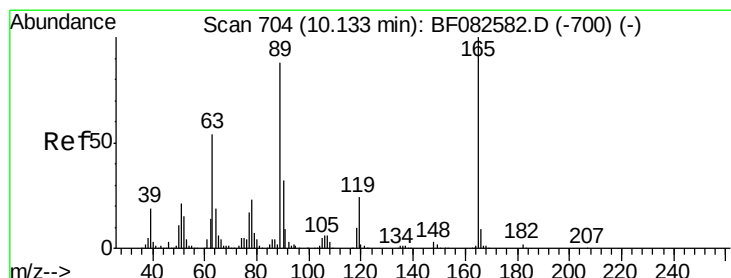
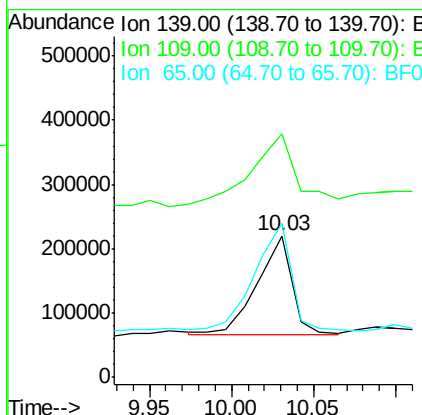
#55
4-Nitrophenol
Concen: 77.89 ng/mL
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tot Ion	Ratio	Lower	Upper
139	100		
109	172.1	73.7	113.7#
65	109.1	82.9	122.9

Instrument :
BNA_F
ClientSampled :
TP-15(3)MS

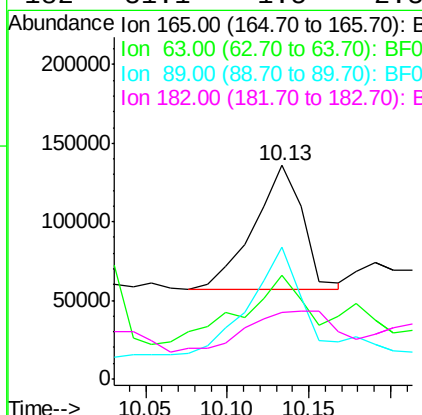
Manual Integrations
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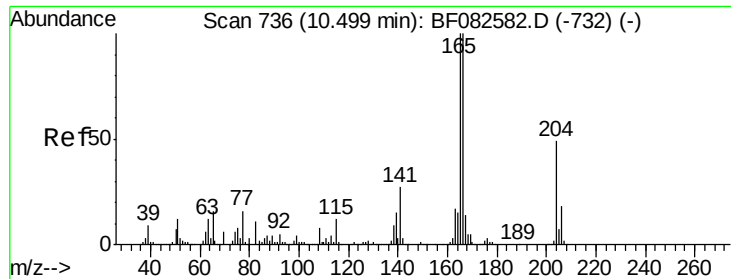
Mmdadoda
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#56
2,4-Dinitrotoluene
Concen: 34.87 ng/mL
RT: 10.13 min Scan# 704
Delta R.T. 0.02 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	48.8	43.4	65.0
89	61.8	70.6	106.0#
182	31.1	1.5	2.3#





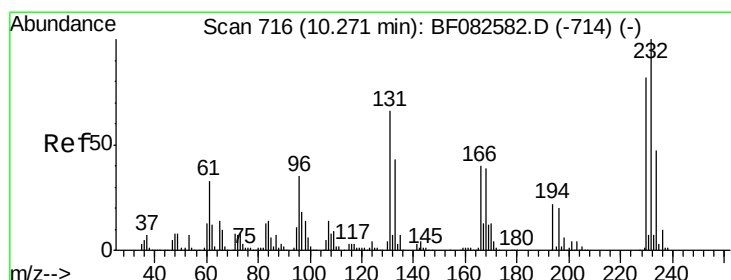
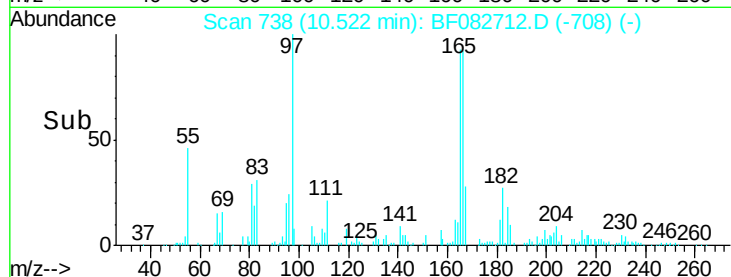
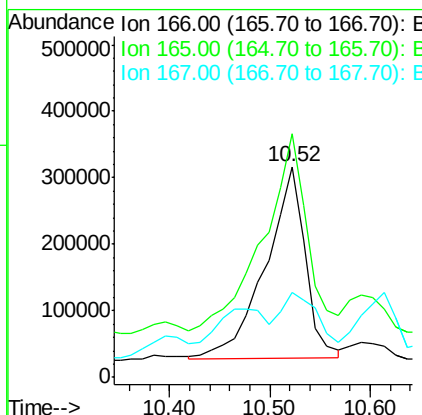
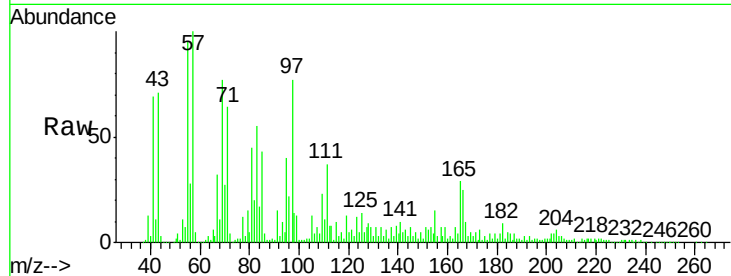
#57
Fluorene
Concen: 52.37 ng
RT: 10.52 min Scan# 738
Delta R.T. 0.05 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampled :
TP-15(3)MS

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	115.7	80.2	120.4	
167	40.2	11.2	16.8#	

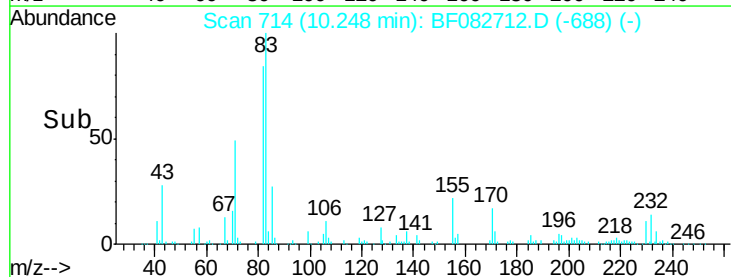
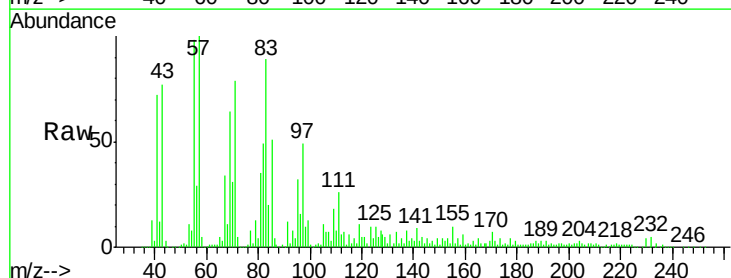
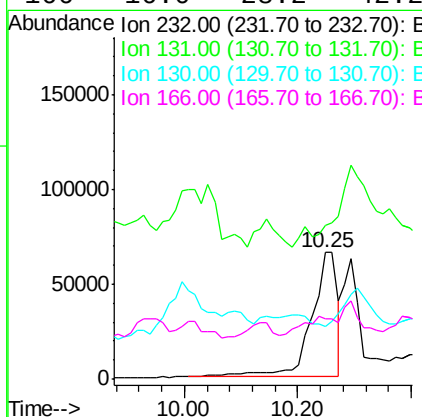
Manual Integrations
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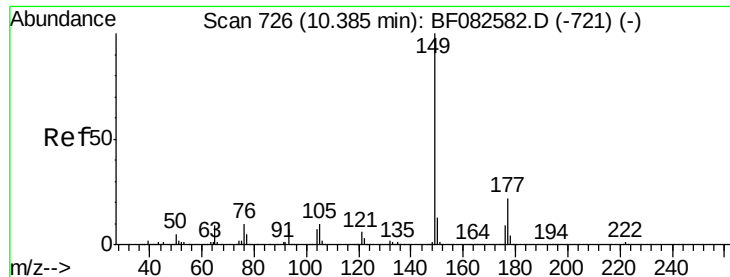
Mmdadoda
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#58
2,3,4,6-Tetrachlorophenol
Concen: 49.25 ng
RT: 10.25 min Scan# 714
Delta R.T. 0.00 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	0.0	46.2	69.2#	
130	0.0	2.4	3.6#	
166	16.0	28.2	42.2#	





#59

Diethylphthalate

Concen: 36.44 ng

RT: 10.37 min Scan# 725

Delta R.T. 0.02 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

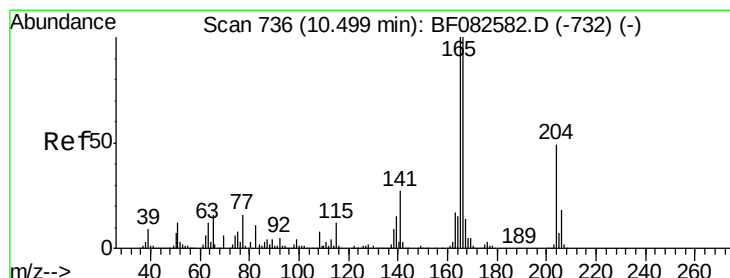
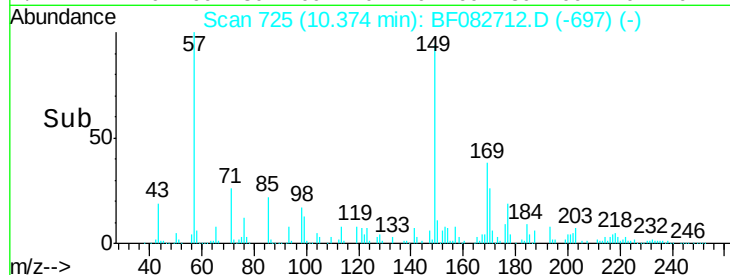
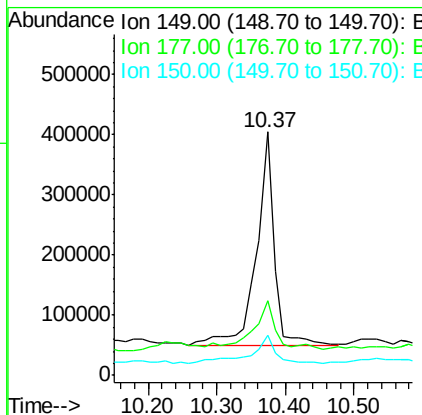
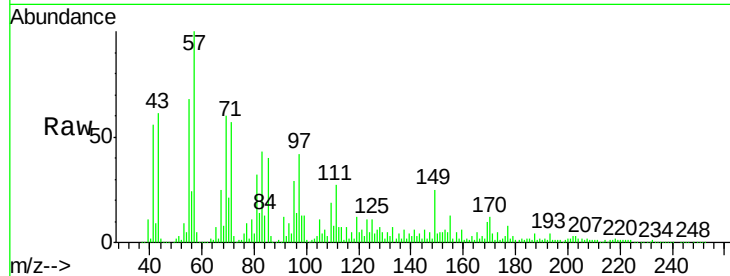
ClientSampleId :

TP-15(3)MS

Tot Ion:	149	Resp:	621111
Ion Ratio	Lower	Upper	
149	100		
177	30.4	17.9	26.9#
150	16.5	10.1	15.1#

Manual Integrations
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11/5/2015 2:19:45 PM



#60

4-Chlorophenyl-phenylether

Concen: 32.01 ng

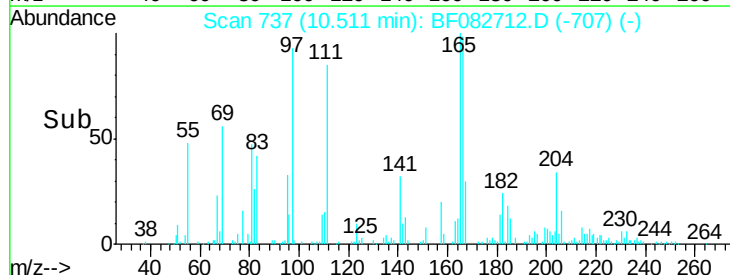
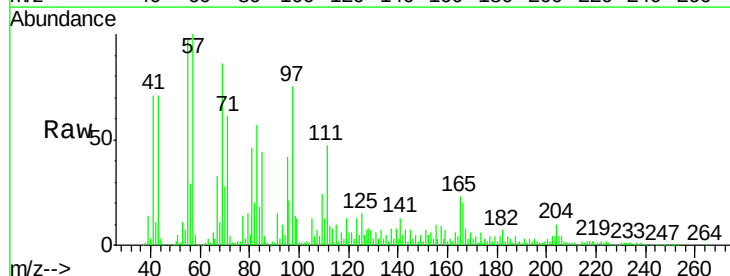
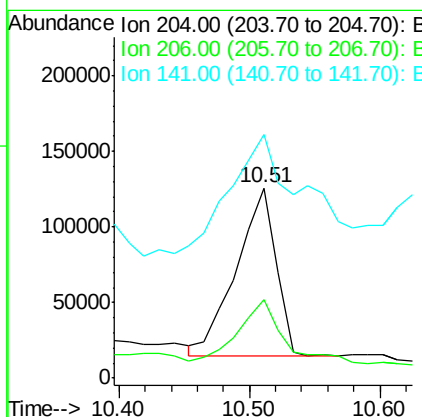
RT: 10.51 min Scan# 737

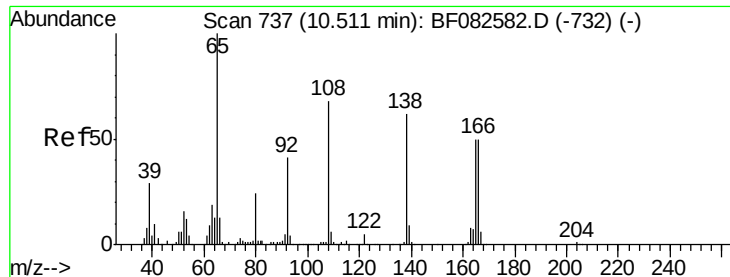
Delta R.T. 0.05 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Tgt Ion:	204	Resp:	233792
Ion Ratio	Lower	Upper	
204	100		
206	41.4	28.5	42.7
141	128.2	44.6	66.8#





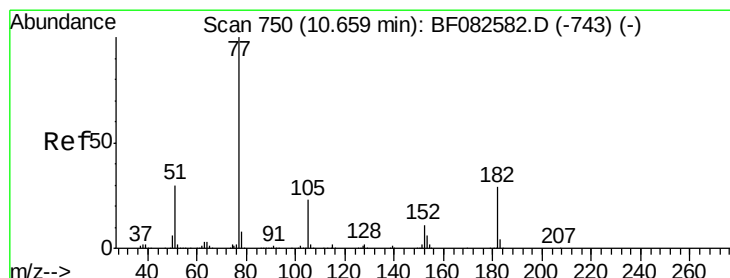
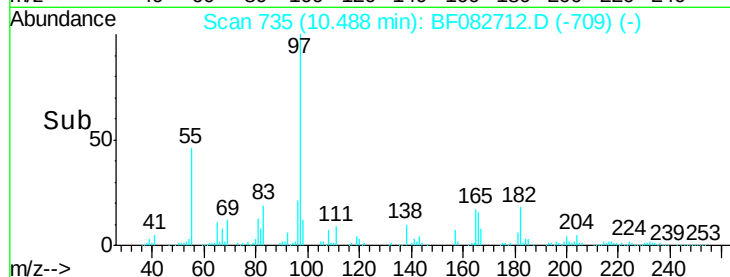
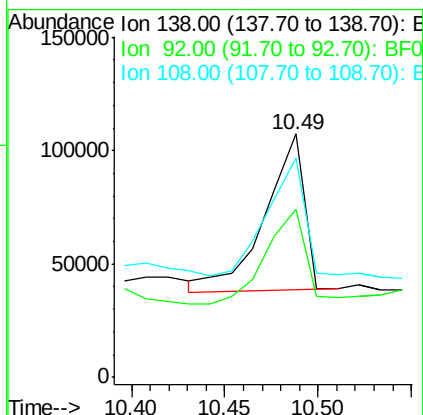
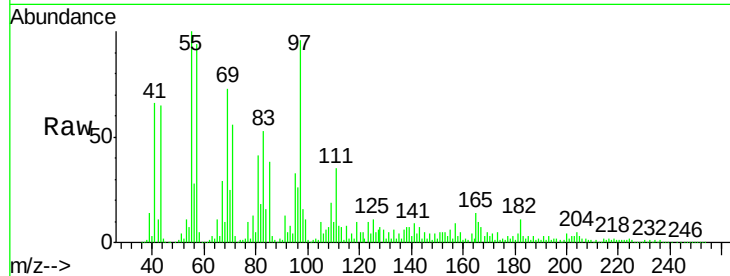
#61
4-Nitroaniline
Concen: 27.29 ng
RT: 10.49 min Scan# 735
Delta R.T. 0.00 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MS

Tot Ion	Ratio	Lower	Upper
138	100		
92	69.3	45.8	85.8
108	90.2	89.4	129.4

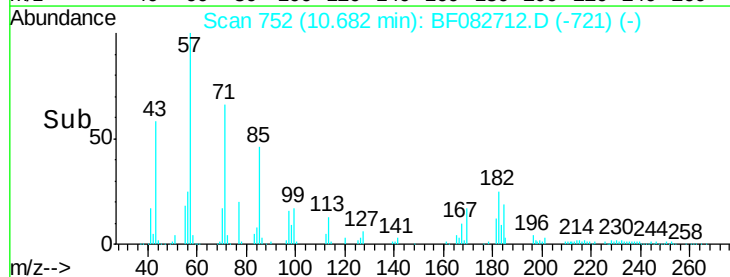
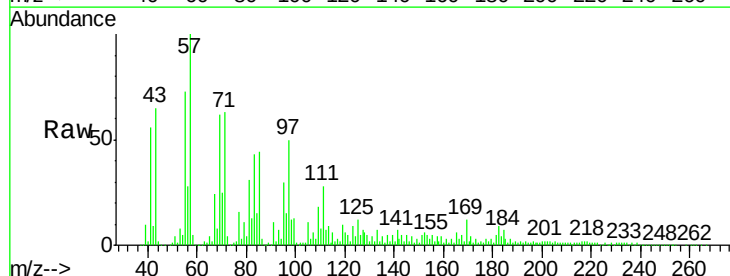
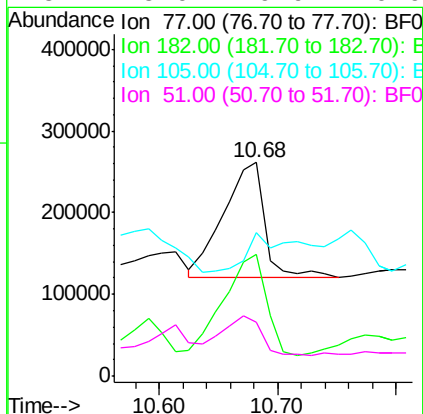
Manual Integrations
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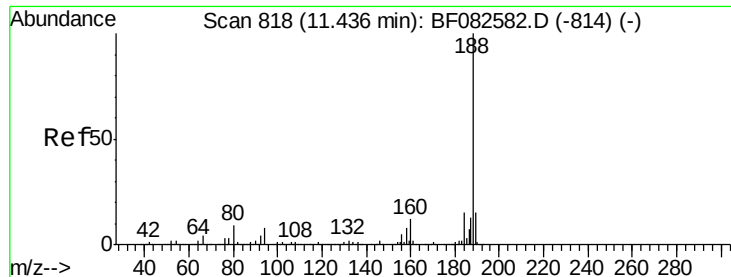
Mmdadoda
11/5/2015 2:19:45 PM



#62
Azobenzene
Concen: 17.96 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.06 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
77	100		
182	56.9	9.3	49.3#
105	66.9	2.6	42.6#
51	25.0	9.9	49.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 820

Delta R.T. 0.05 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

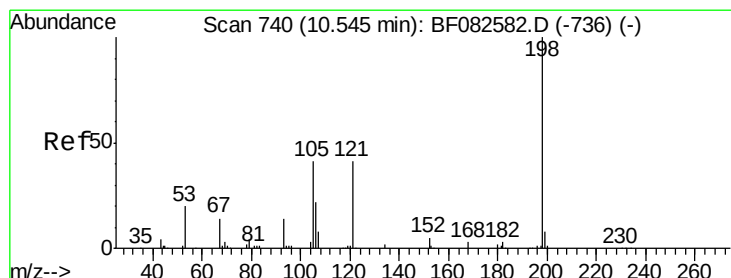
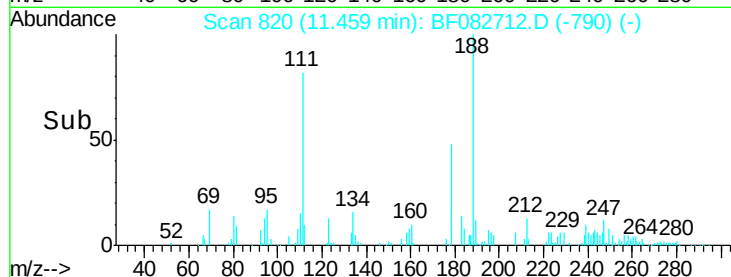
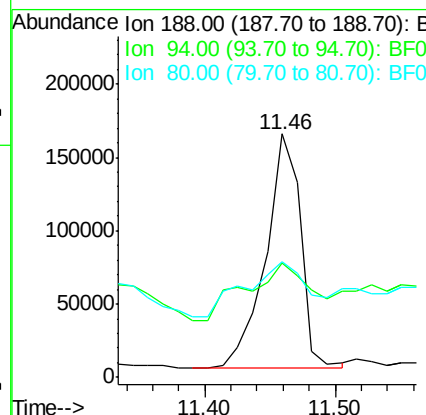
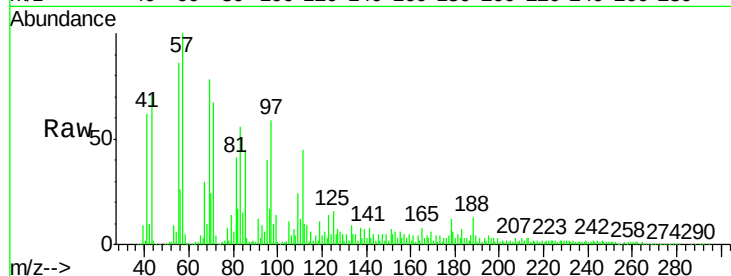
ClientSampleId :

TP-15(3)MS

Tot Ion:	188	Resp:	300261
Ion Ratio	Lower	Upper	
188	100		
94	46.9	6.1	9.1#
80	47.7	7.0	10.6#

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#64

4,6-Dinitro-2-methylphenol

Concen: 36.27 ng

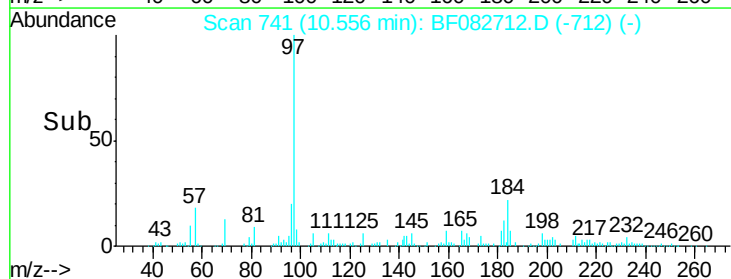
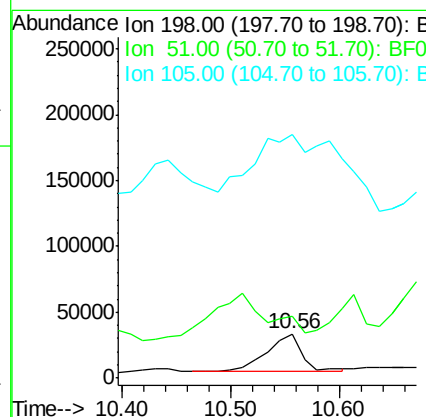
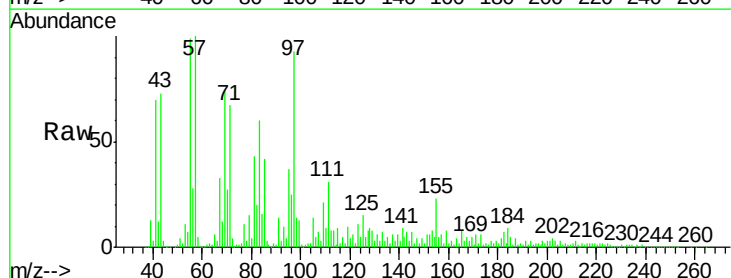
RT: 10.56 min Scan# 741

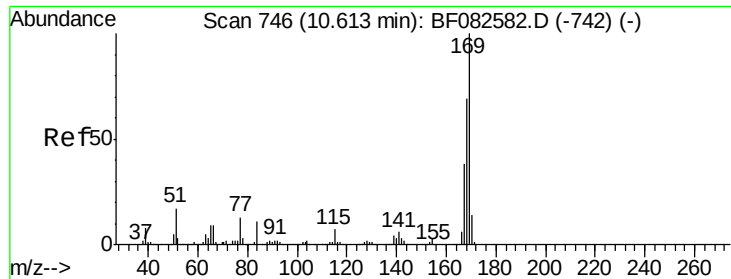
Delta R.T. 0.03 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Tgt Ion:	198	Resp:	65684
Ion Ratio	Lower	Upper	
198	100		
51	141.0	17.3	57.3#
105	550.9	21.7	61.7#





#65

n-Nitrosodiphenylamine

Concen: 160.14 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.02 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

ClientSampled :

TP-15(3)MS

Tot Ion:169 Resp: 1652879

Ion Ratio Lower Upper

169 100

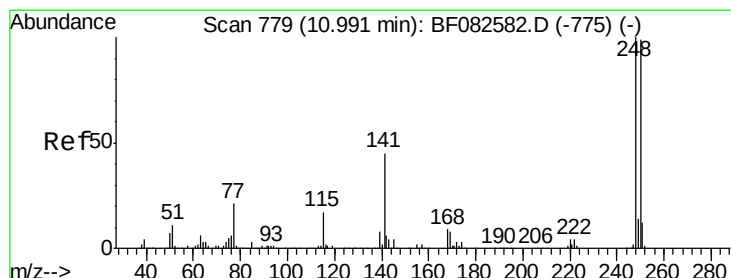
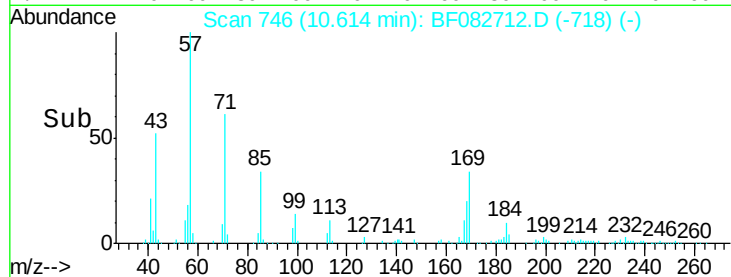
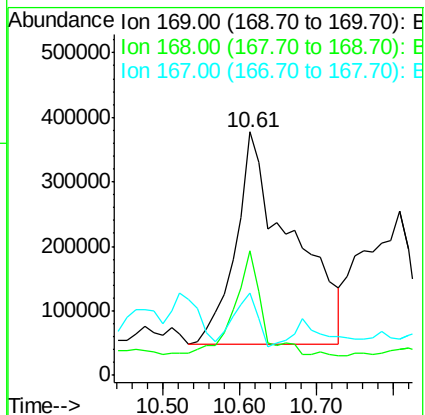
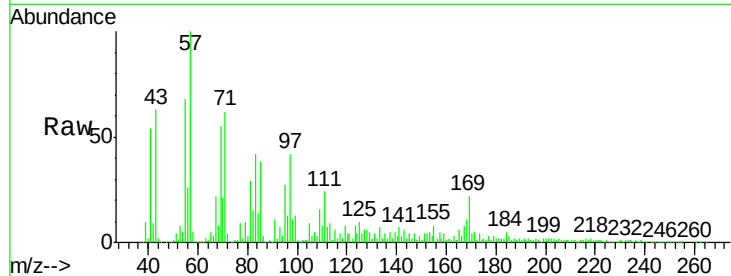
168 51.3 55.0 82.6#

167 34.0 30.5 45.7

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#66

4-Bromophenyl-phenylether

Concen: 43.44 ng

RT: 11.00 min Scan# 780

Delta R.T. 0.05 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

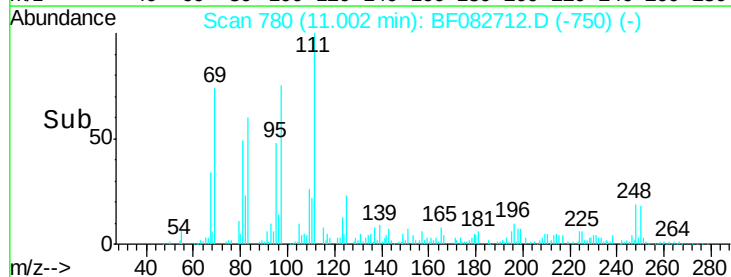
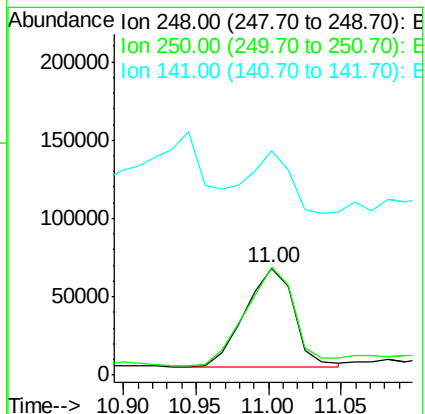
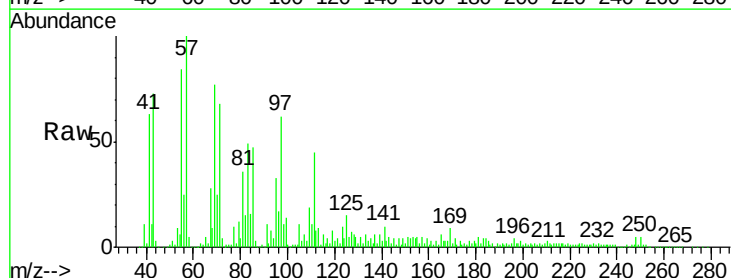
Tgt Ion:248 Resp: 147806

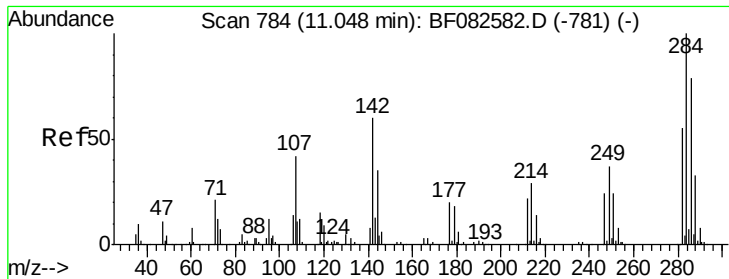
Ion Ratio Lower Upper

248 100

250 100.4 79.4 119.2

141 209.8 36.3 54.5#





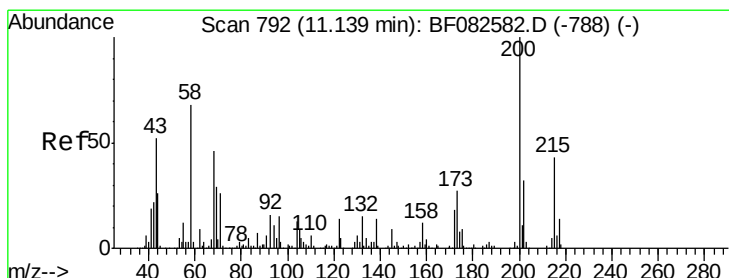
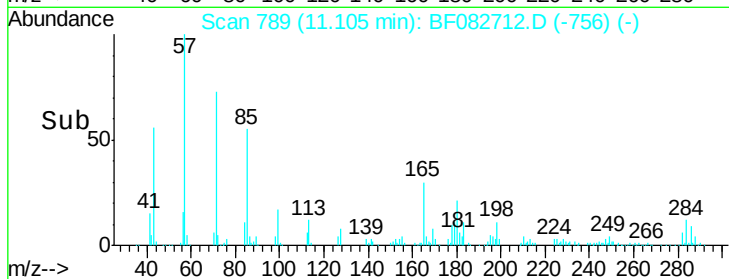
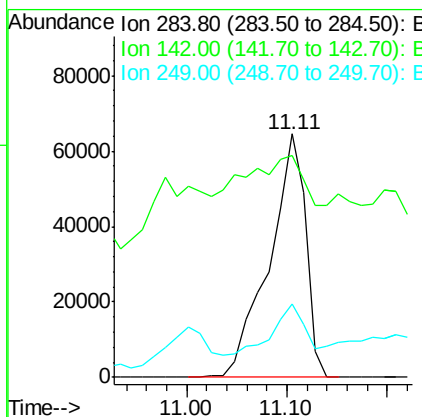
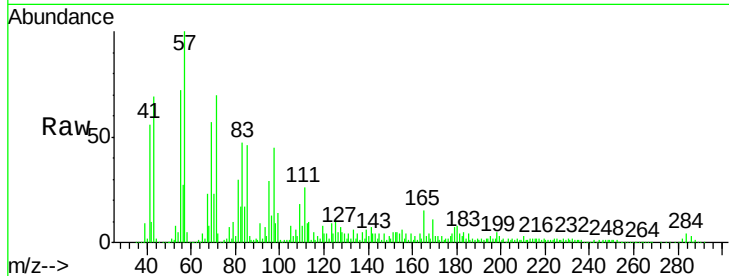
#67
Hexachlorobenzene
Concen: 43.02 ng
RT: 11.11 min Scan# 789
Delta R.T. 0.08 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MS

Tot Ion	Ratio	Lower	Upper
284	100		
142	91.0	47.9	71.9#
249	30.1	29.7	44.5

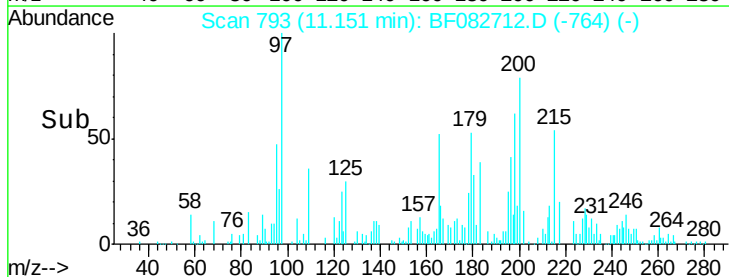
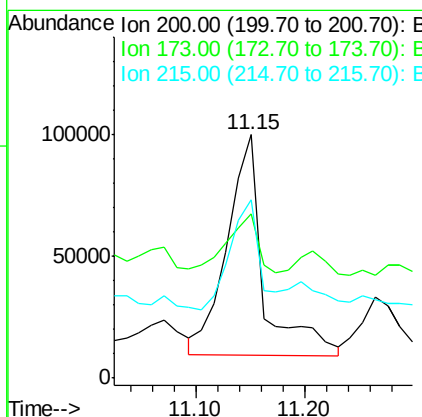
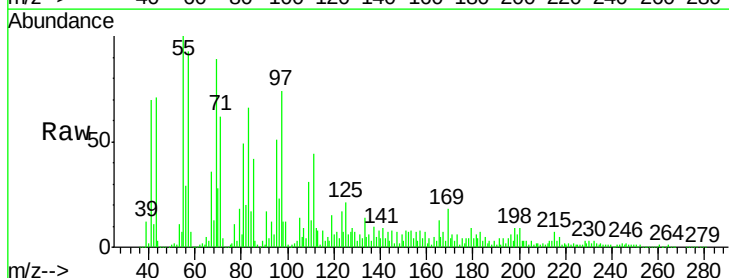
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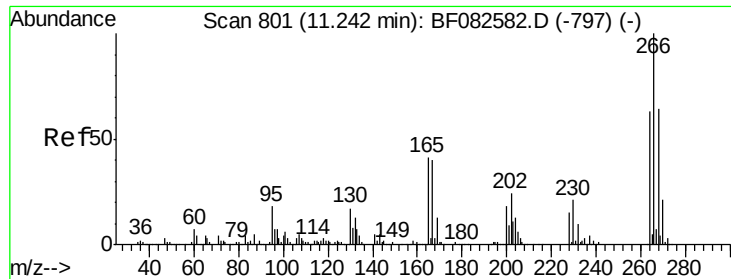
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#68
Atrazine
Concen: 63.17 ng
RT: 11.15 min Scan# 793
Delta R.T. 0.03 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
200	100		
173	67.2	6.9	46.9#
215	73.1	22.9	62.9#





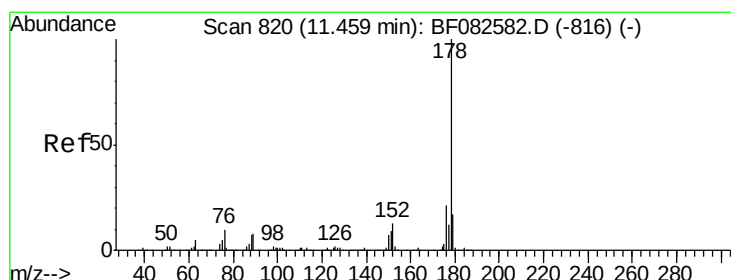
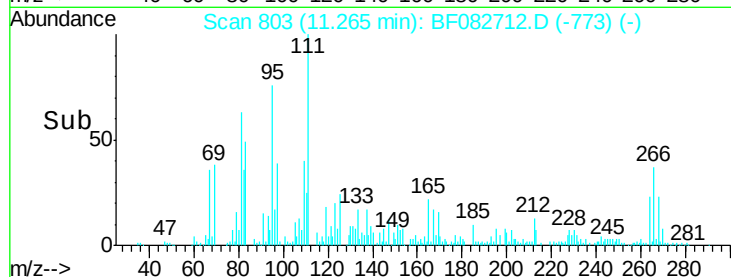
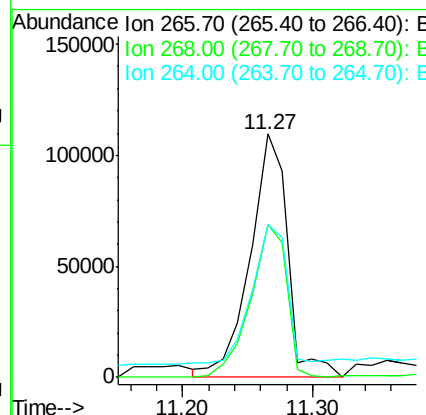
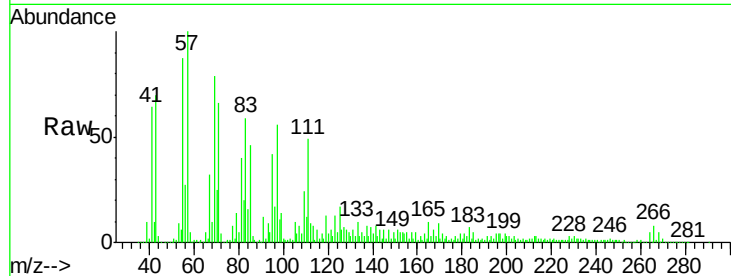
#69
 Pentachlorophenol
 Concen: 88.27 ng
 RT: 11.27 min Scan# 803
 Delta R.T. 0.05 min
 Lab File: BF082712.D
 Acq: 4 Nov 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	219604		
268	62.5		51.0	76.6
264	62.6		50.6	75.8

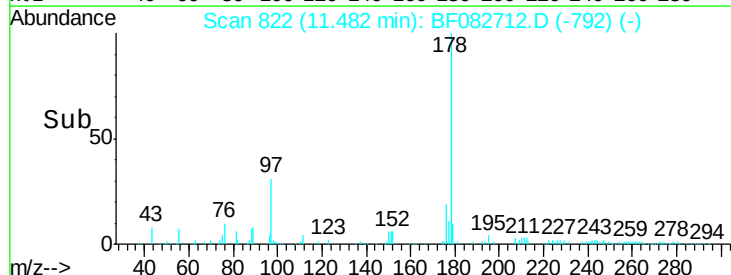
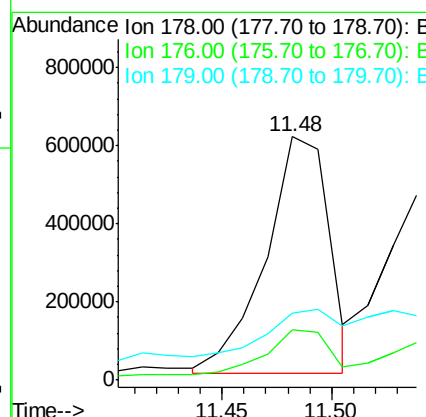
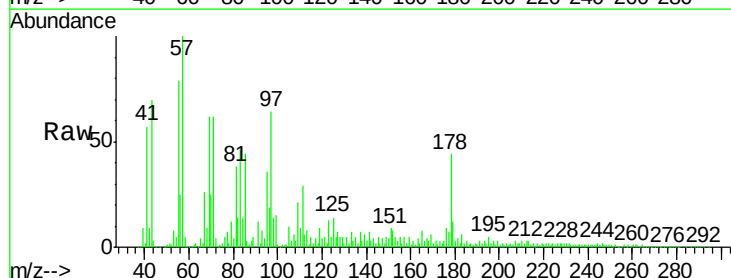
Manual Integrations
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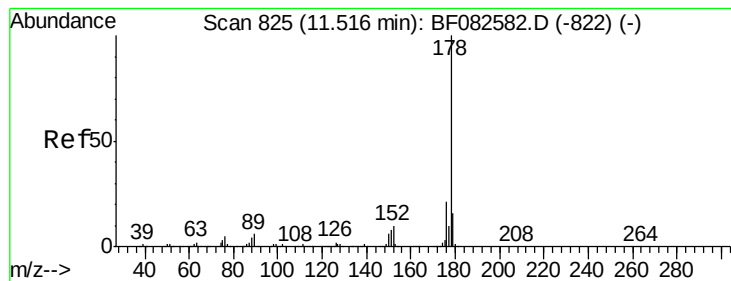
Mmdadoda
 11/5/2015 2:19:45 PM



#70
 Phenanthrene
 Concen: 72.88 ng m
 RT: 11.48 min Scan# 822
 Delta R.T. 0.05 min
 Lab File: BF082712.D
 Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1234263		
176	20.5		17.0	25.4
179	27.6		13.4	20.0





#71

Anthracene

Concen: 52.16 ng/mL

RT: 11.54 min Scan# 827

Delta R.T. 0.06 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

ClientSampleId :

TP-15(3)MS

Tot Ion:178 Resp: 889455

Ion Ratio Lower Upper

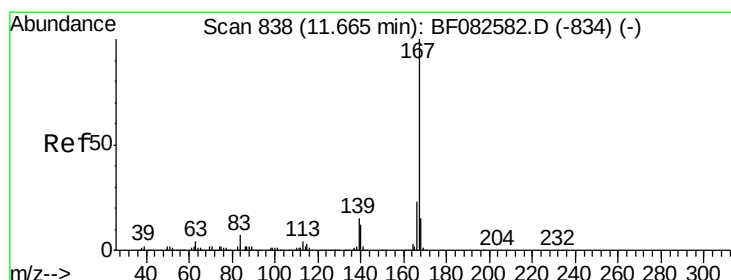
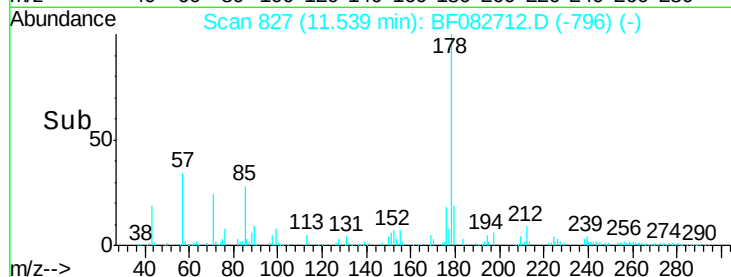
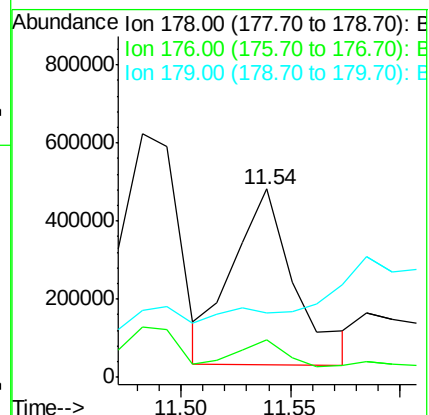
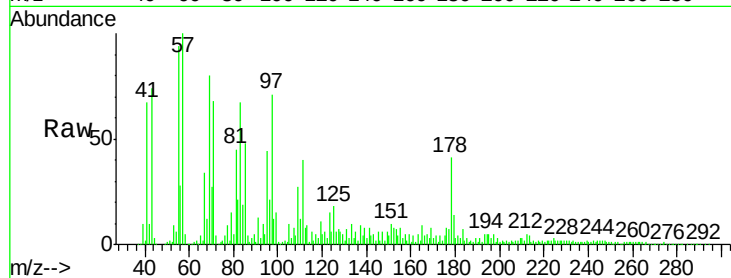
178 100

176 20.2 16.5 24.7

179 34.3 13.2 19.8#

Manual Integrations
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#72

Carbazole

Concen: 43.47 ng/mL

RT: 11.68 min Scan# 839

Delta R.T. 0.03 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

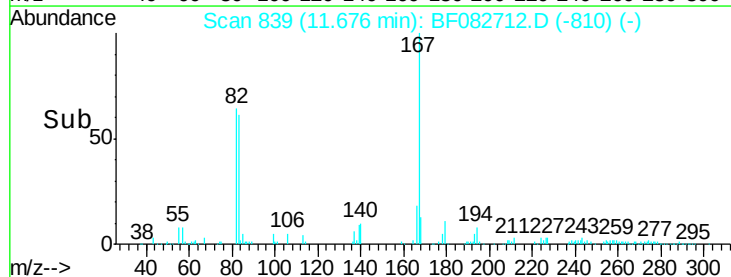
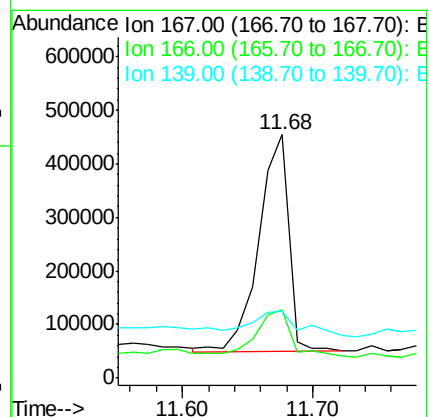
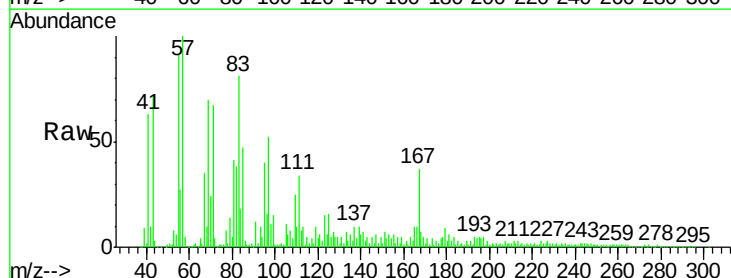
Tgt Ion:167 Resp: 645684

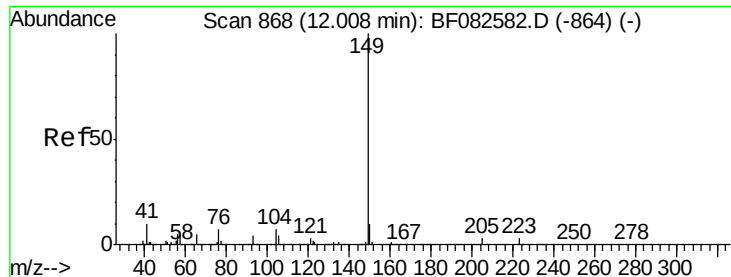
Ion Ratio Lower Upper

167 100

166 28.1 18.7 28.1

139 27.5 11.8 17.6#





#73

Di-n-butylphthalate

Concen: 43.93 ng

RT: 12.01 min Scan# 868

Delta R.T. 0.02 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

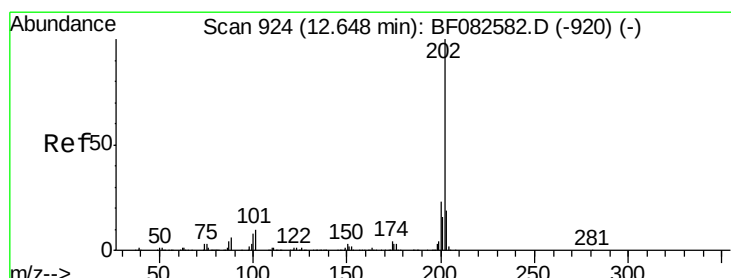
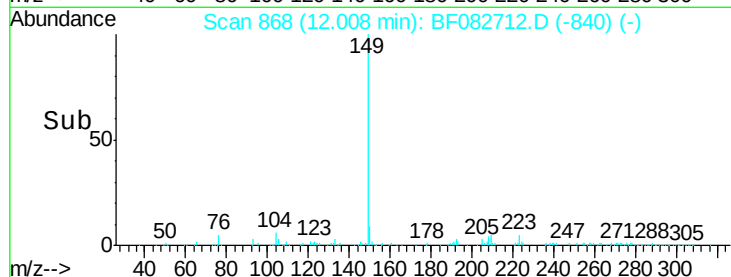
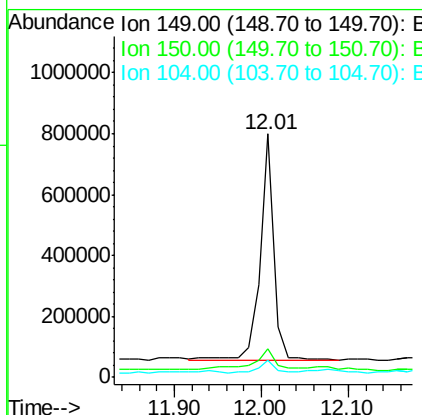
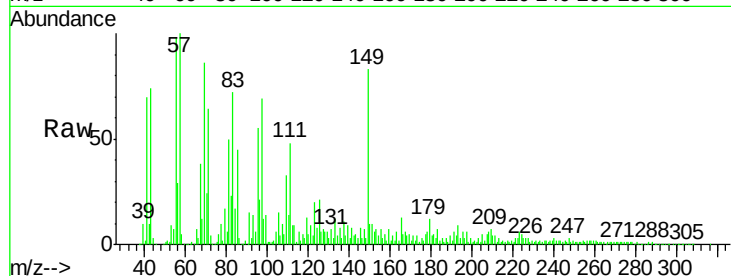
ClientSampleId :

TP-15(3)MS

Tot Ion:	149	Resp:	830632
Ion Ratio	Lower	Upper	
149	100		
150	11.8	8.1	12.1
104	7.2	5.2	7.8

Manual Integrations
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#74

Fluoranthene

Concen: 49.79 ng

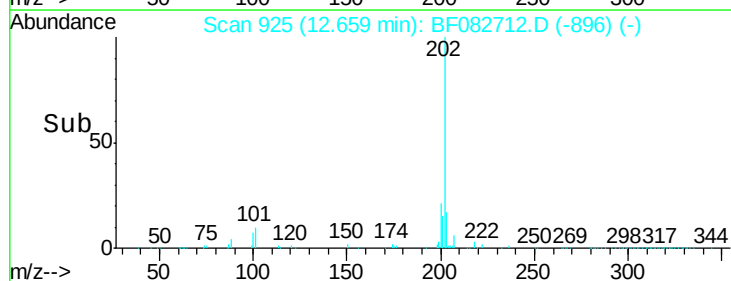
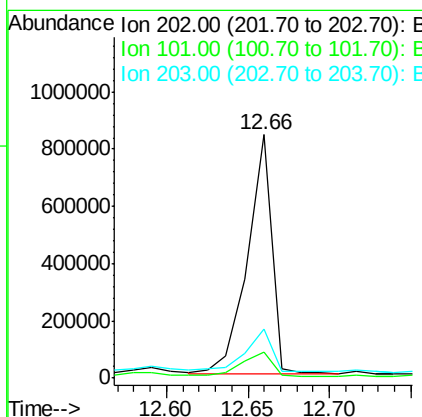
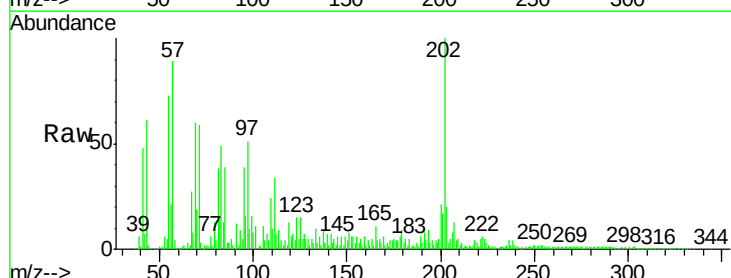
RT: 12.66 min Scan# 925

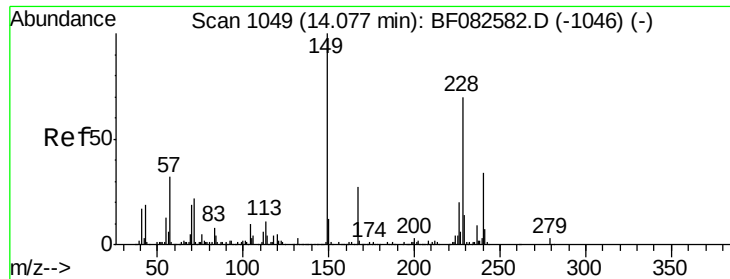
Delta R.T. 0.03 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Tgt Ion:	202	Resp:	862035
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	30.5
203	20.3	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

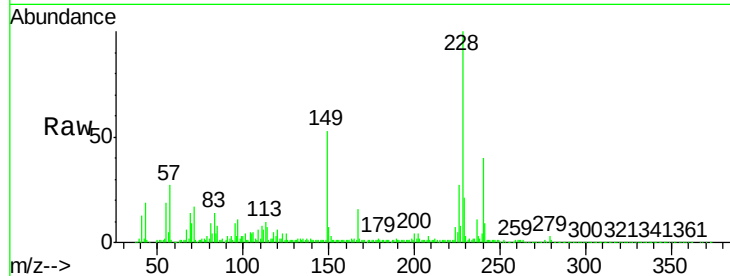
ClientSampleId :

TP-15(3)MS

Tot Ion:	240	Resp:	348966
Ion Ratio	Lower	Upper	
240	100		
120	14.8	10.9	16.3
236	26.5	21.6	32.4

Manual Integrations
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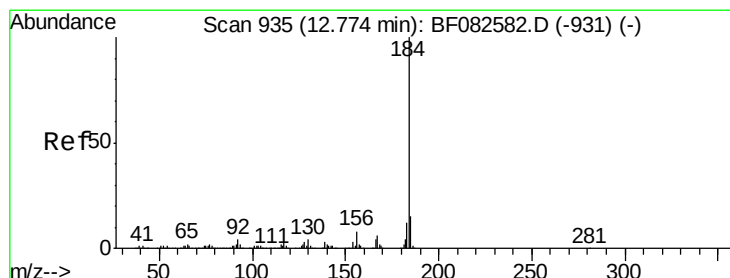
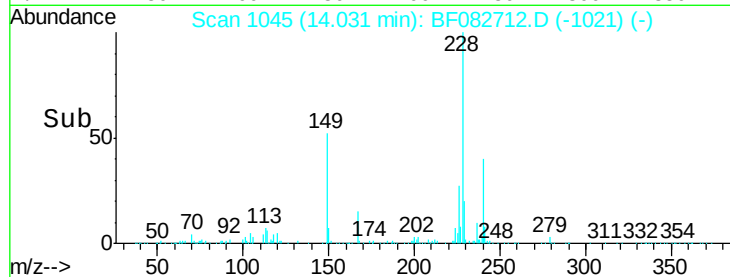
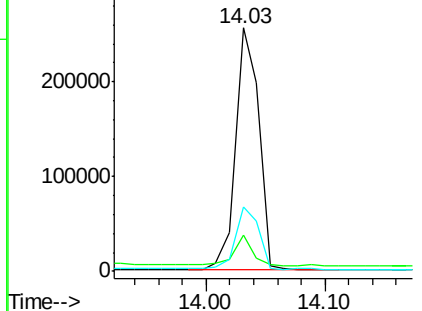
Mmdadoda
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 9.71 ng

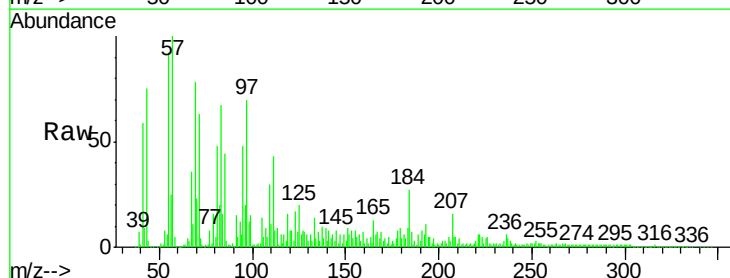
RT: 12.75 min Scan# 933

Delta R.T. 0.01 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

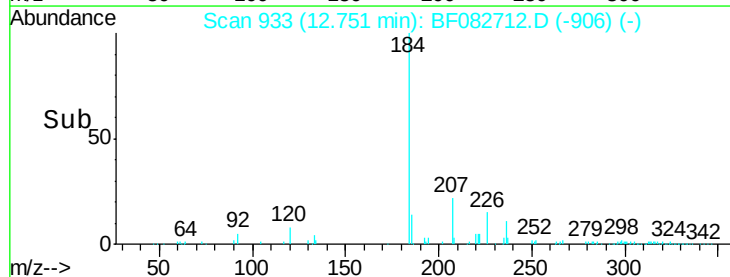
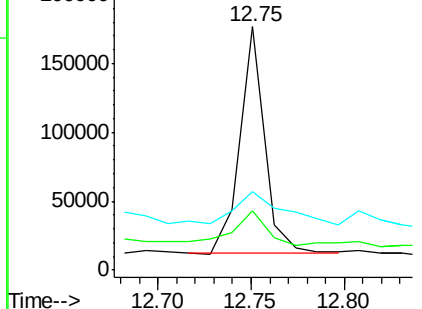
Tgt Ion:	184	Resp:	152753
Ion Ratio	Lower	Upper	
184	100		
185	24.3	12.0	18.0#
183	32.4	9.6	14.4#

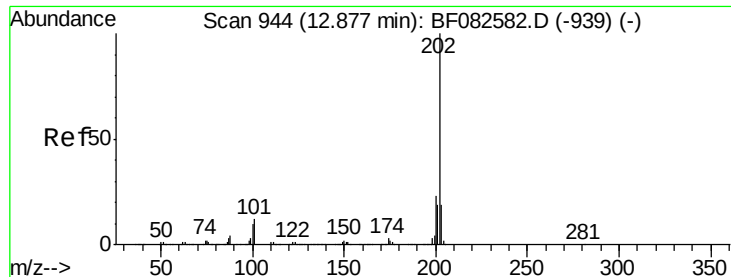


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





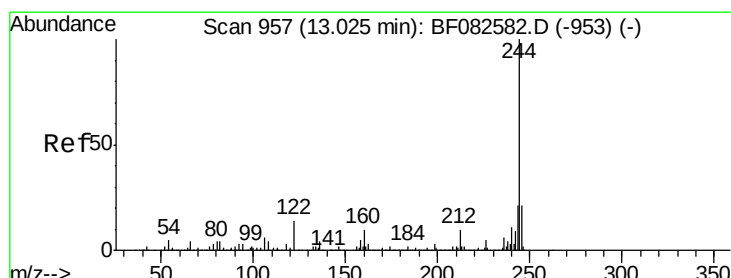
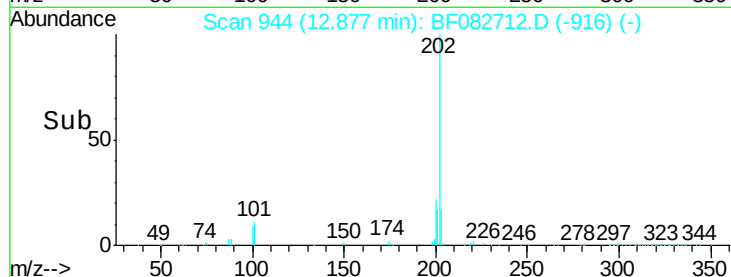
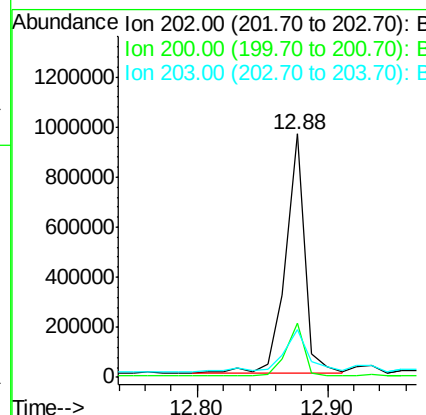
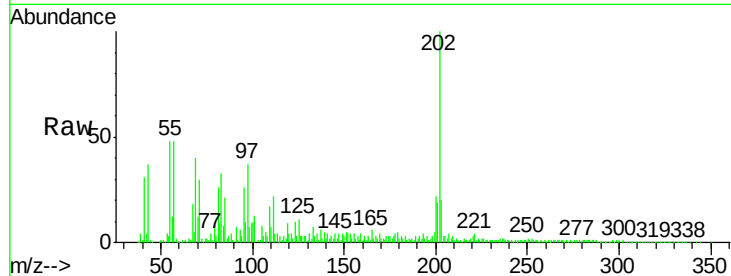
#77
Pvrene
Concen: 38.20 ng
RT: 12.88 min Scan# 944
Delta R.T. 0.02 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MS

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.7	28.1
203	19.8	14.8	22.2

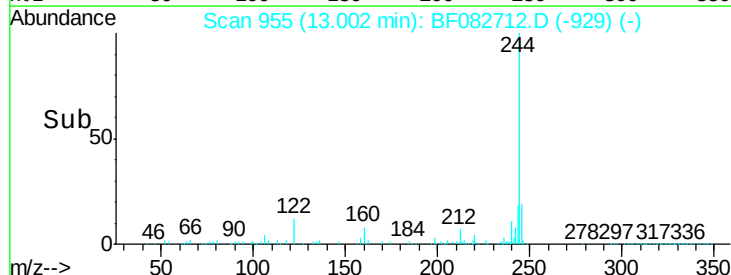
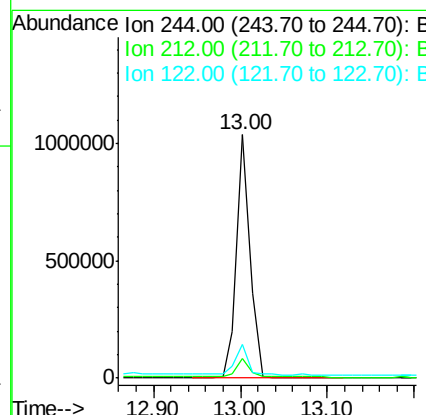
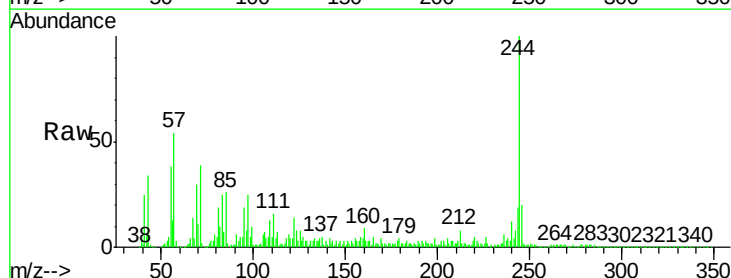
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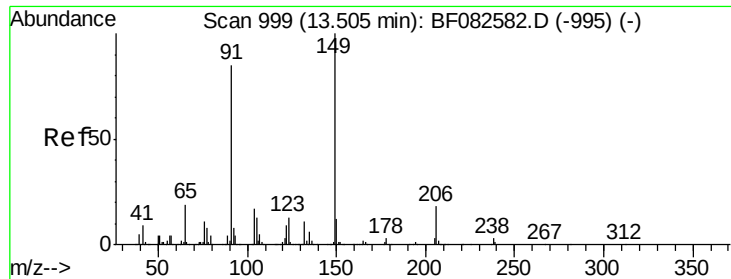
Mmdadoda
11/5/2015 2:19:45 PM



#78
Terphenyl-d14
Concen: 68.91 ng
RT: 13.00 min Scan# 955
Delta R.T. 0.00 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.6	11.4
122	14.1	11.3	16.9





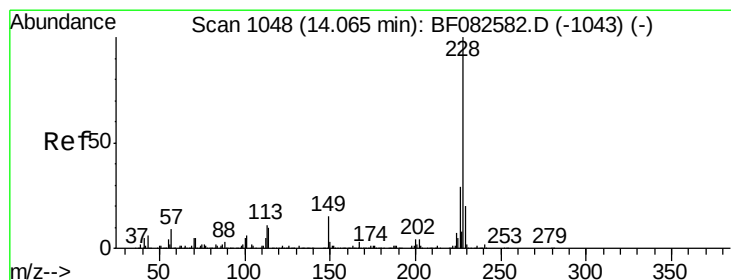
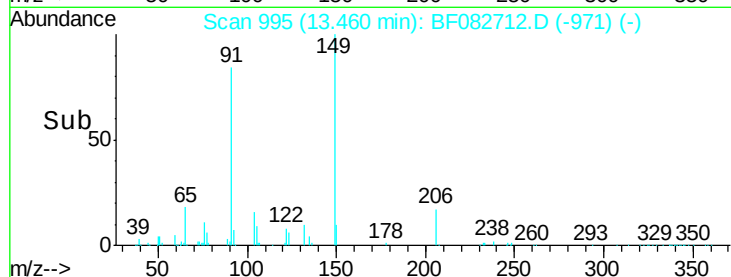
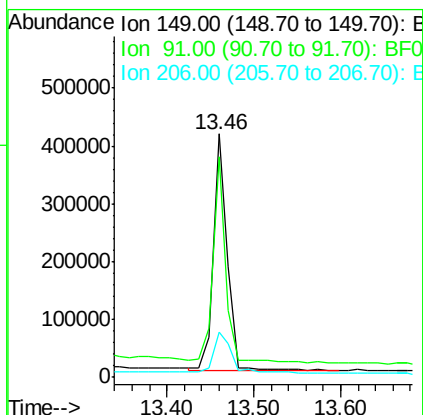
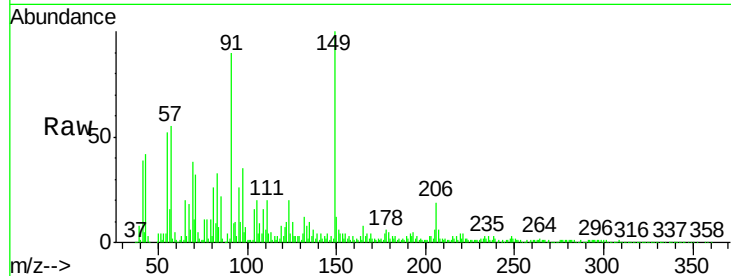
#79
Butylbenzylphthalate
Concen: 40.27 ng
RT: 13.46 min Scan# 995
Delta R.T. -0.02 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampled :
TP-15(3)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
149	100		455792		
91	90.4	67.7	101.5		
206	18.7	14.6	22.0		

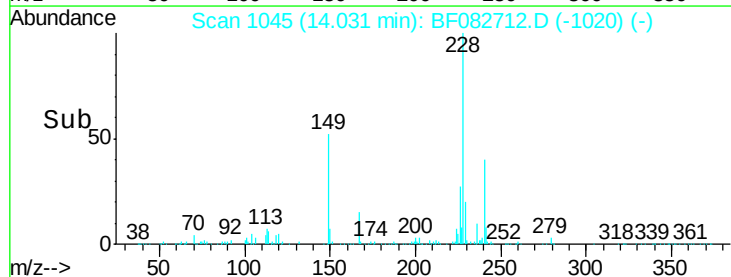
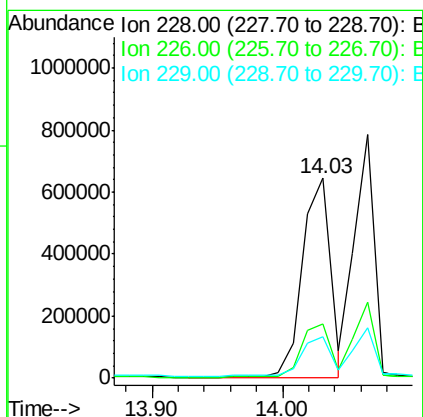
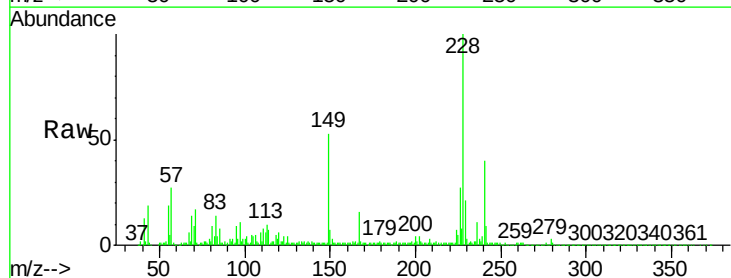
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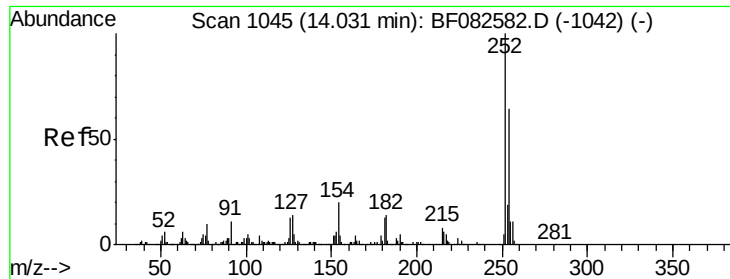
Mmdadoda
11/5/2015 2:19:45 PM



#80
Benzo(a)anthracene
Concen: 42.83 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		949365		
226	27.2	23.4	35.2		
229	20.5	16.3	24.5		





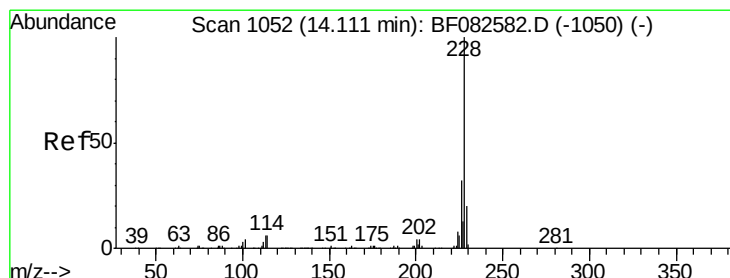
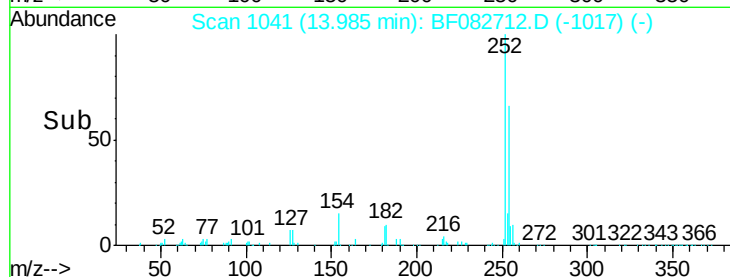
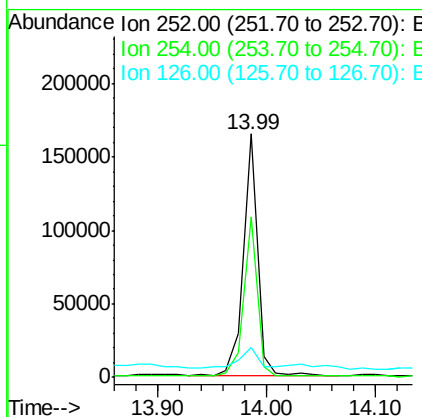
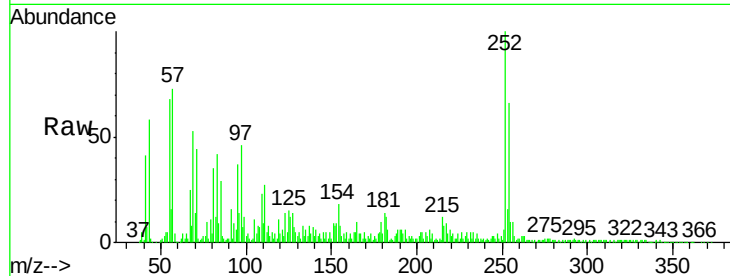
#81
 3,3'-Dichlorobenzidine
 Concen: 19.28 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.02 min
 Lab File: BF082712.D
 Acq: 4 Nov 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MS

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.4	77.0
126	12.0	10.7	16.1

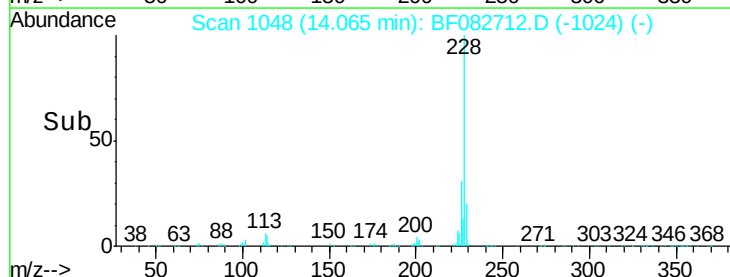
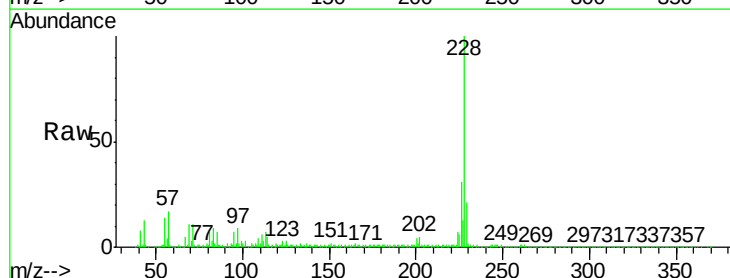
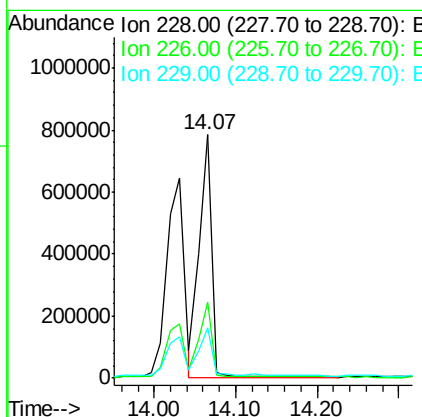
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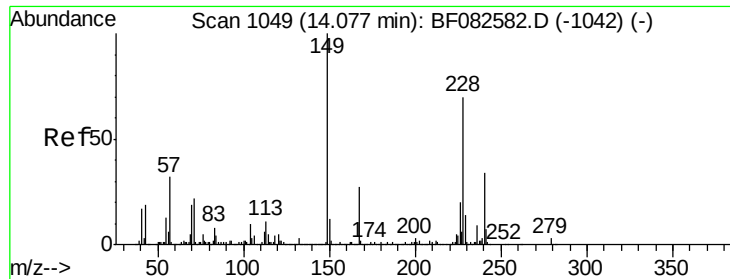
Mmdadoda
 11/5/2015 2:19:45 PM



#82
 Chrysene
 Concen: 41.80 ng
 RT: 14.07 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF082712.D
 Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.5	38.3
229	20.8	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 43.23 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF082712.D

Acq: 4 Nov 2015 20:40

Instrument :

BNA_F

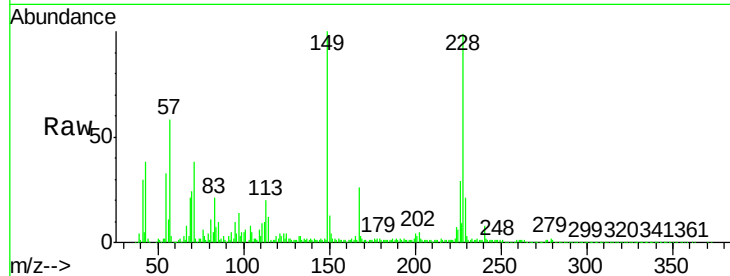
ClientSampleId :

TP-15(3)MS

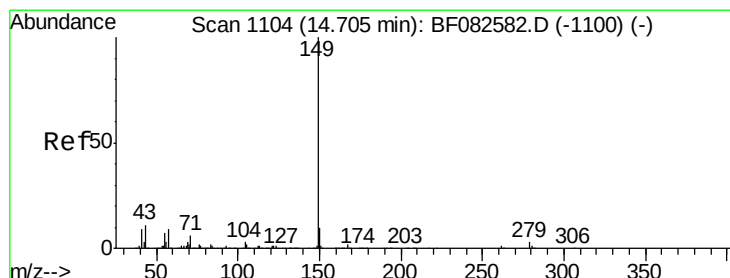
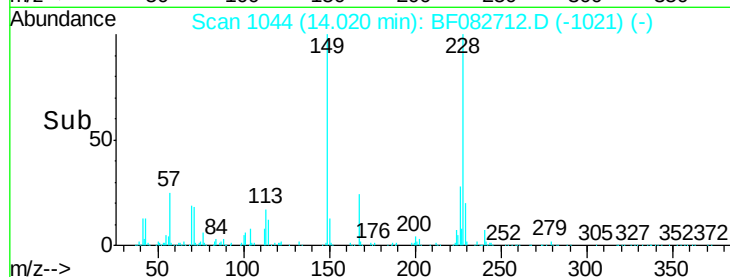
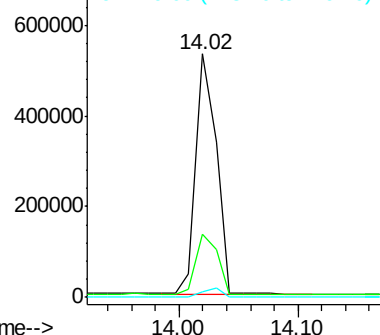
Tot Ion:	149	Resp:	634332
Ion Ratio	Lower	Upper	
149	100		
167	25.7	21.2	31.8
279	2.3	2.2	3.2

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 48.12 ng

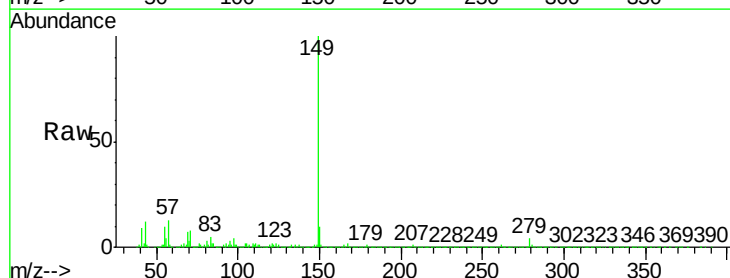
RT: 14.64 min Scan# 1098

Delta R.T. -0.03 min

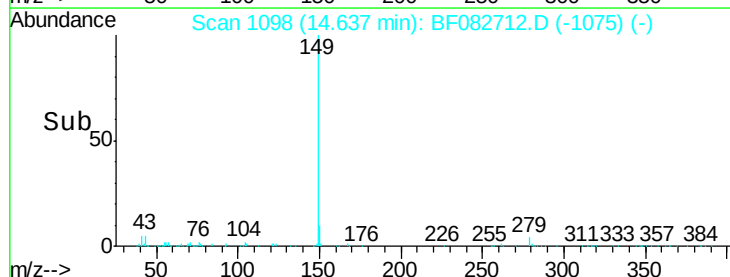
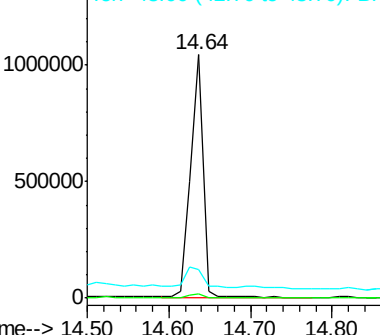
Lab File: BF082712.D

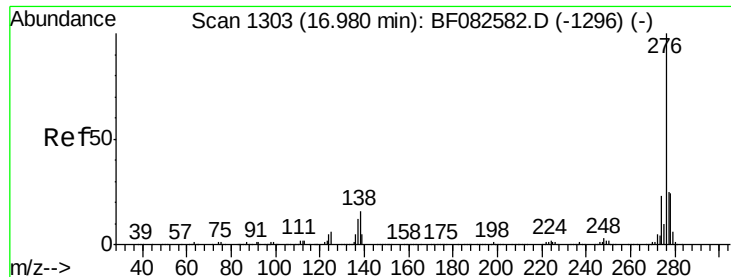
Acq: 4 Nov 2015 20:40

Tgt Ion:	149	Resp:	1101250
Ion Ratio	Lower	Upper	
149	100		
167	2.0	1.3	1.9#
43	11.6	10.1	15.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0





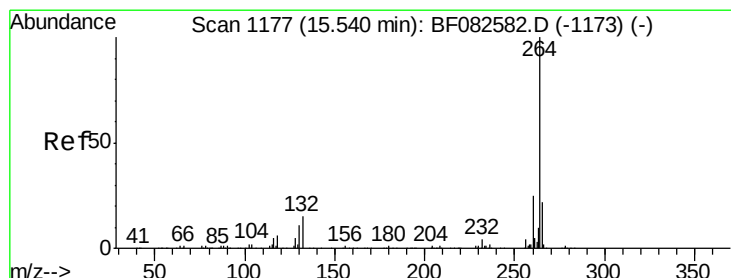
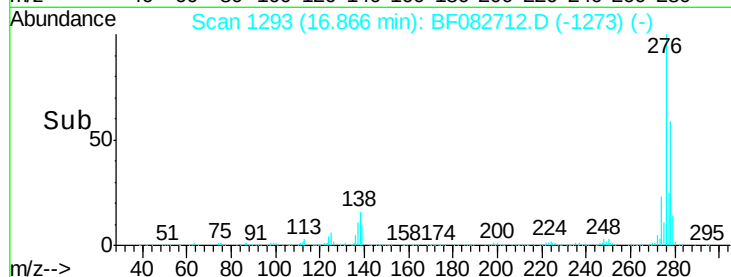
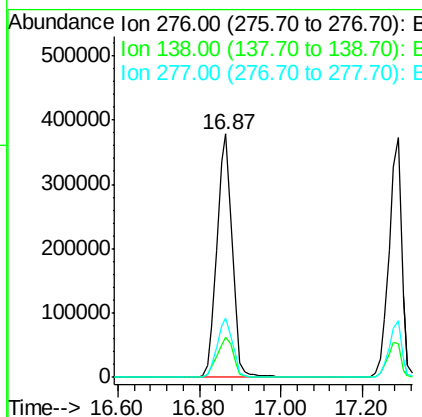
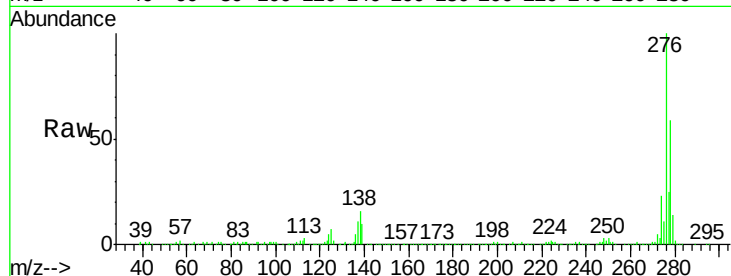
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 59.45 ng
 RT: 16.87 min Scan# 1293
 Delta R.T. -0.07 min
 Lab File: BF082712.D
 Acq: 4 Nov 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.6	15.3	22.9
277	25.0	20.2	30.4

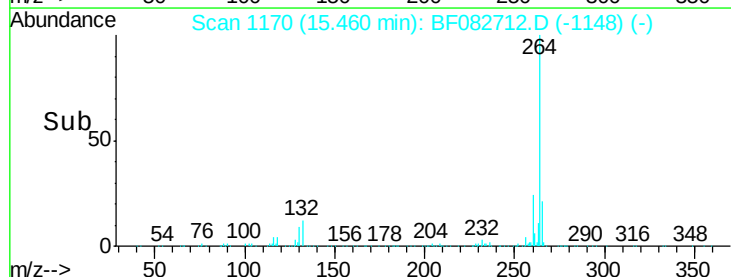
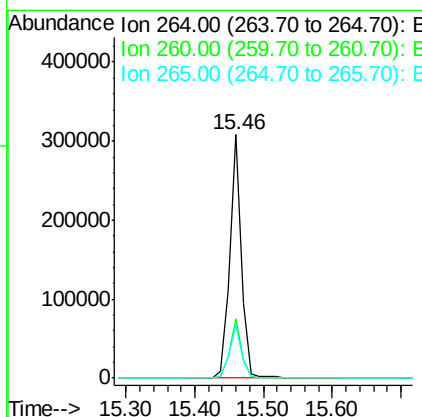
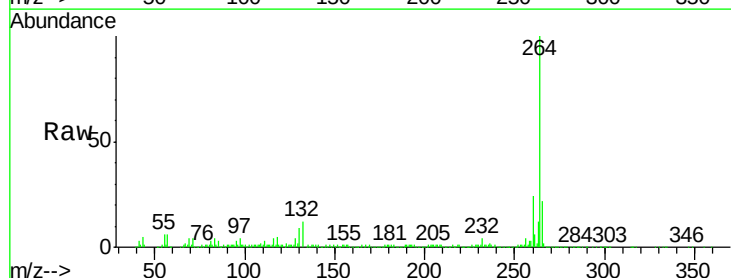
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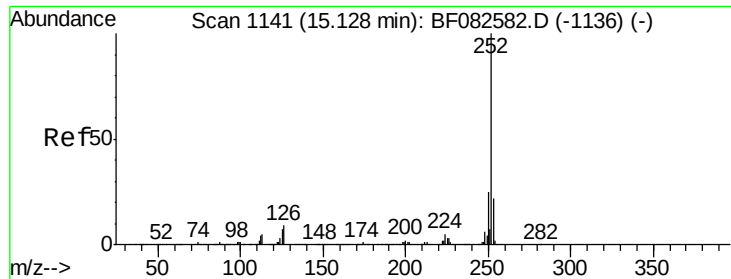
Mmdadoda
 11/5/2015 2:19:45 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.46 min Scan# 1170
 Delta R.T. -0.05 min
 Lab File: BF082712.D
 Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.6
265	21.7	17.4	26.0





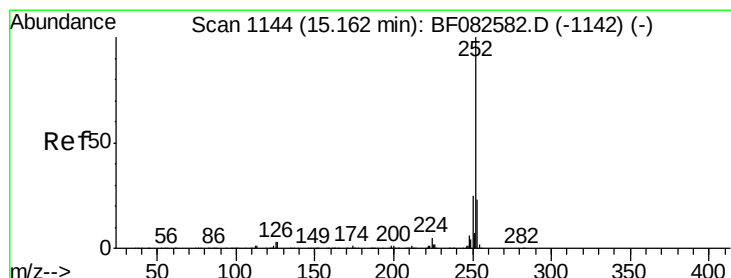
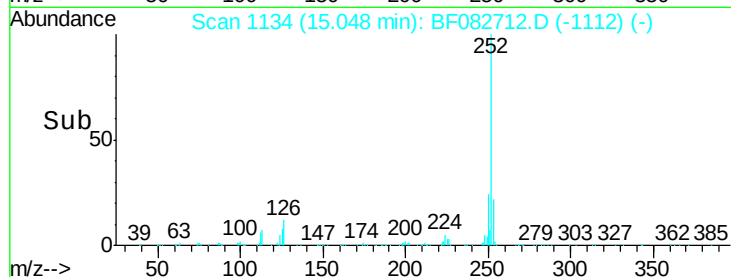
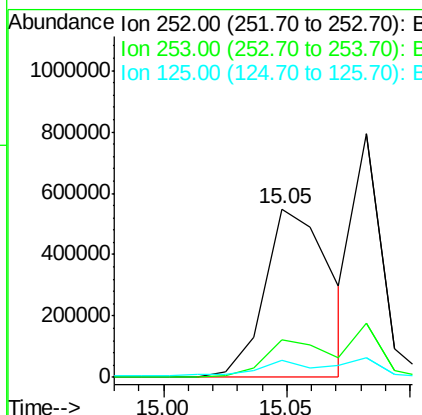
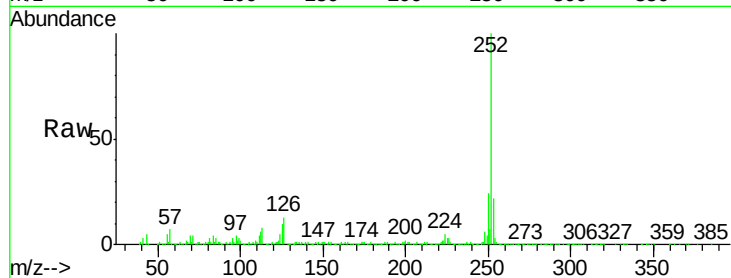
#87
Benzo(b)fluoranthene
Concen: 40.41 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.05 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampled :
TP-15(3)MS

Tot Ion:252 Resp: 1018254
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 10.2 5.4 8.2#

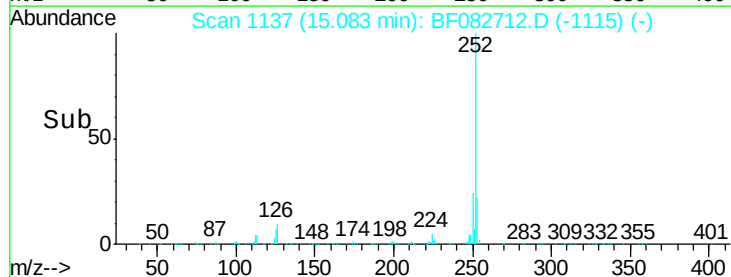
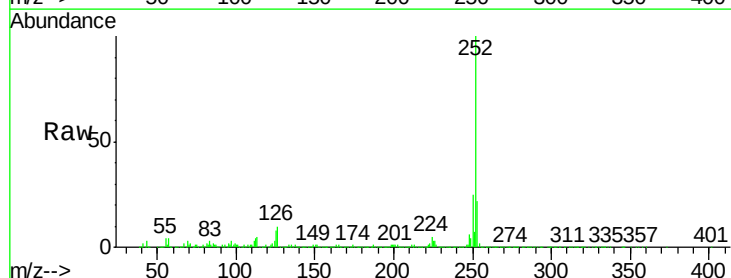
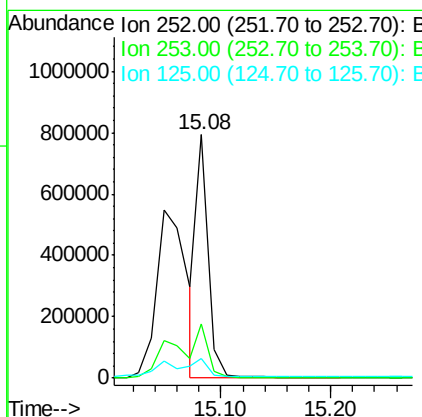
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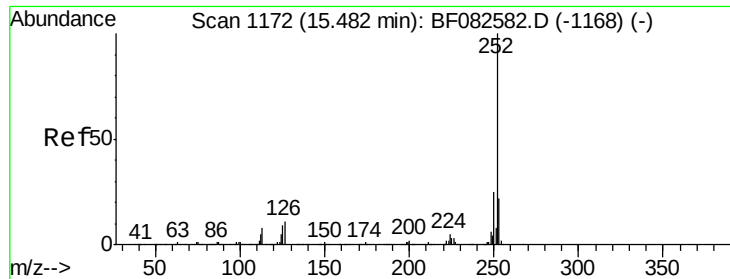
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#88
Benzo(k)fluoranthene
Concen: 33.05 ng m
RT: 15.08 min Scan# 1137
Delta R.T. -0.05 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion:252 Resp: 634540
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 8.1 3.5 5.3#





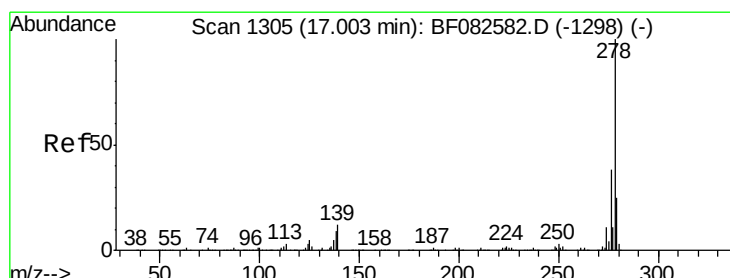
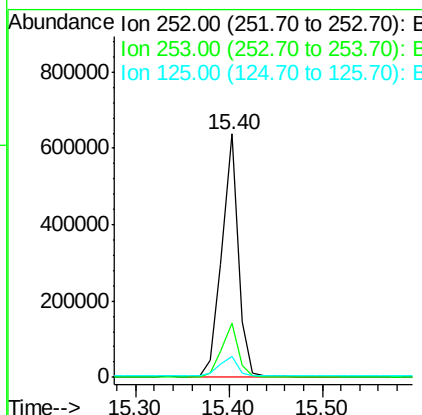
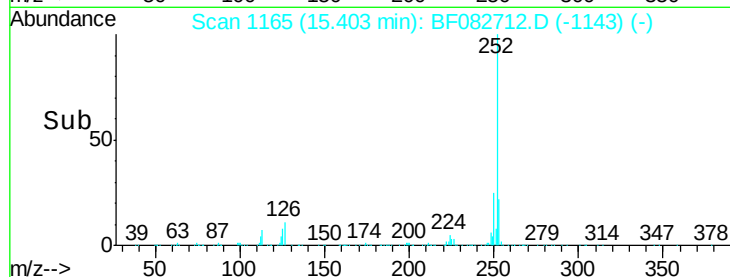
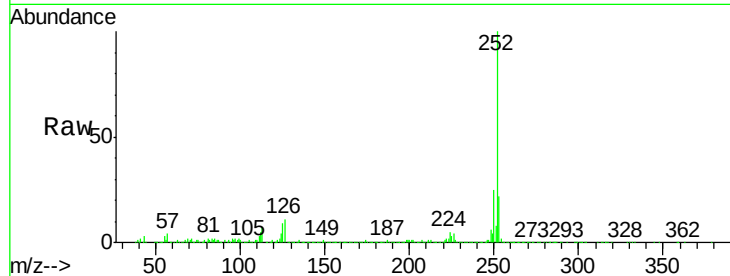
#89
Benzo(a)pyrene
Concen: 39.51 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	8.5	7.1	10.7

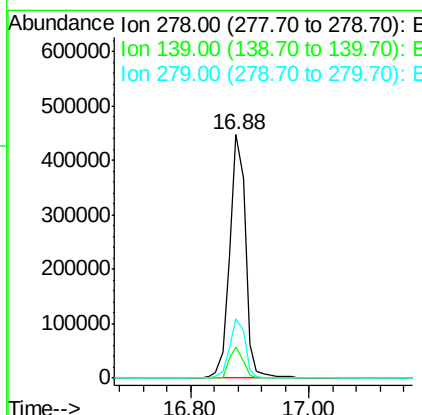
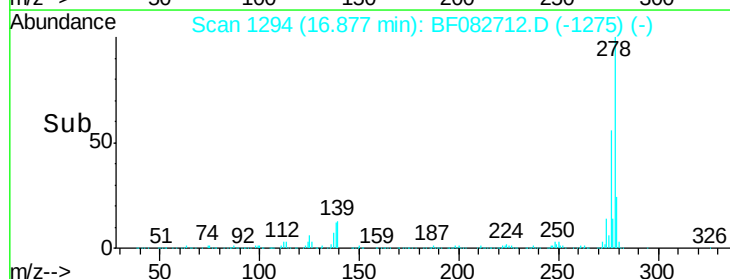
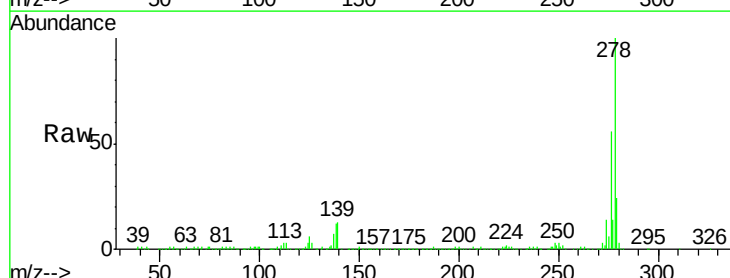
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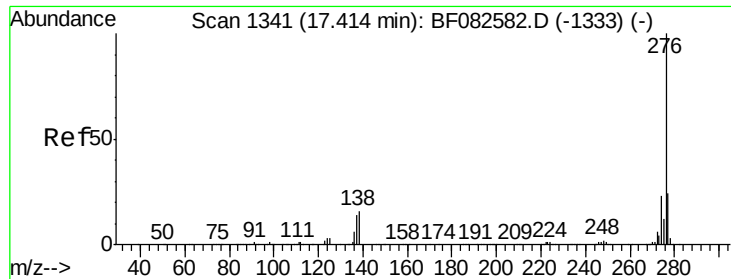
Mmdadoda
11/5/2015 2:19:45 PM



#90
Dibenzo(a,h)anthracene
Concen: 44.52 ng
RT: 16.88 min Scan# 1294
Delta R.T. -0.08 min
Lab File: BF082712.D
Acq: 4 Nov 2015 20:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.7	9.9	14.9
279	24.4	19.6	29.4





#91
 Benzo(a,h,i)perylene
 Concen: 45.33 ng
 RT: 17.29 min Scan# 1330
 Delta R.T. -0.07 min
 Lab File: BF082712.D
 Acq: 4 Nov 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MS

Tot Ion:	276	Resp:	813499
Ion Ratio		Lower	Upper
276	100		
277	23.6	19.2	28.8
138	14.1	13.1	19.7

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