

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
 Data File : BF083546.D
 Acq On : 7 Dec 2015 6:49
 Operator : UM/IZ
 Sample : G4594-03MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K204-0-2MSD

Manual Integrations
 APPROVED

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 12/7/2015 6:33:36 PM

Quant Time: Dec 07 11:59:14 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.73	152	149188	20.00	ng	-0.03
21) Naphthalene-d8	7.64	136	554398	20.00	ng	-0.03
38) Acenaphthene-d10	10.43	164	253511	20.00	ng	-0.03
63) Phenanthrene-d10	12.82	188	387825	20.00	ng	-0.03
75) Chrysene-d12	17.05	240	279659	20.00	ng	0.00
86) Perylene-d12	18.67	264	260043	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.03	112	1144574	116.39	ng	0.00
7) Phenol-d6	5.31	99	1505983	111.15	ng	-0.01
23) Nitrobenzene-d5	6.57	82	964163	81.29	ng	-0.03
41) 2,4,6-Tribromophenol	11.72	330	229886	98.30	ng	-0.03
44) 2-Fluorobiphenyl	9.39	172	1347327	72.09	ng	-0.03
78) Terphenyl-d14	15.47	244	863299	68.69	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.88	88	151508	29.38	ng	# 93
3) Pyridine	2.30	79	146611	11.91	ng	# 28
4) n-Nitrosodimethylamine	2.28	42	241237	38.91	ng	98
6) Aniline	5.37	93	49699m	2.82	ng	
8) 2-Chlorophenol	5.46	128	392205	35.86	ng	99
9) Benzaldehyde	5.13	77	209888	27.02	ng	# 80
10) Phenol	5.33	94	598831	37.80	ng	# 74
11) bis(2-Chloroethyl)ether	5.40	93	448516m	38.19	ng	
12) 1,3-Dichlorobenzene	5.65	146	423583	34.92	ng	99
13) 1,4-Dichlorobenzene	5.76	146	437129	35.29	ng	99
14) 1,2-Dichlorobenzene	5.97	146	402636	35.35	ng	99
15) Benzyl Alcohol	5.98	79	397104	42.25	ng	100
16) 2,2'-oxybis(1-Chloropropan	6.17	45	781445	35.90	ng	82
17) 2-Methylphenol	6.18	107	327914	36.33	ng	95
18) Hexachloroethane	6.45	117	171265	39.62	ng	# 81
19) n-Nitroso-di-n-propylamine	6.37	70	344770	38.14	ng	94
20) 3+4-Methylphenols	6.42	107	442863	37.77	ng	93
22) Acetophenone	6.35	105	660962	41.39	ng	# 98
24) Nitrobenzene	6.59	77	485484	37.17	ng	99
25) Isophorone	6.97	82	859473	37.73	ng	97
26) 2-Nitrophenol	7.07	139	200465	38.89	ng	92
27) 2,4-Dimethylphenol	7.20	122	324004	35.58	ng	95
28) bis(2-Chloroethoxy)methane	7.32	93	537512	42.35	ng	98
29) 2,4-Dichlorophenol	7.47	162	321373	39.08	ng	95
30) 1,2,4-Trichlorobenzene	7.56	180	335090	36.85	ng	99
31) Naphthalene	7.68	128	1496514	50.71	ng	99
32) Benzoic acid	7.47	122	150695	30.70	ng	92
33) 4-Chloroaniline	7.82	127	39634	3.43	ng	# 83
34) Hexachlorobutadiene	7.88	225	197432	36.75	ng	98
35) Caprolactam	8.41	113	103727	39.66	ng	92
36) 4-Chloro-3-methylphenol	8.65	107	336508	36.36	ng	87
37) 2-Methylnaphthalene	8.77	142	813592	44.59	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.05	216	314160	37.69	ng	# 100
42) 2,4,6-Trichlorophenol	9.26	196	207508	39.65	ng	98

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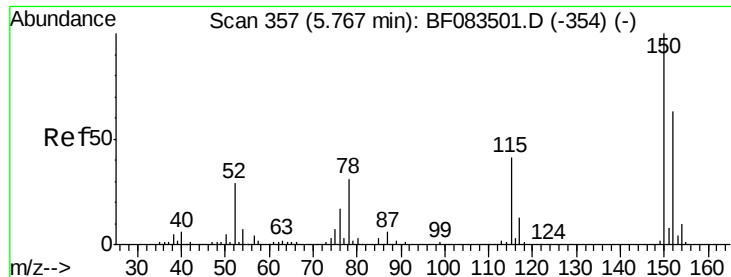
Manual Integrations
 APPROVED

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Quant Time: Dec 07 11:59:14 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.34	196	214018	39.70	nq	95
45) 1,1'-Biphenyl	9.54	154	825693	36.65	nq	99
46) 2-Chloronaphthalene	9.55	162	631208	37.18	nq	98
47) 2-Nitroaniline	9.76	65	235791	38.99	nq	93
48) Acenaphthylene	10.21	152	2096769	75.43	nq	99
49) Dimethylphthalate	10.09	163	1227732	61.53	nq	100
50) 2,6-Dinitrotoluene	10.17	165	142930	34.02	nq	97
51) Acenaphthene	10.49	154	622292	38.90	nq	100
52) 3-Nitroaniline	10.43	138	57240	12.64	nq #	96
53) 2,4-Dinitrophenol	10.62	184	66996	35.61	nq	91
54) Dibenzofuran	10.77	168	962388	43.43	nq	99
55) 4-Nitrophenol	10.82	139	191724	75.15	nq	85
56) 2,4-Dinitrotoluene	10.82	165	182045	33.18	nq #	88
57) Fluorene	11.32	166	806957m	41.86	nq	
58) 2,3,4,6-Tetrachlorophenol	11.00	232	162195	40.22	nq #	100
59) Diethylphthalate	11.23	149	732432	38.15	nq	98
60) 4-Chlorophenyl-phenylether	11.36	204	320819	34.72	nq	90
61) 4-Nitroaniline	11.42	138	78089	19.03	nq	85
62) Azobenzene	11.61	77	258601	12.62	nq	90
64) 4,6-Dinitro-2-methylphenol	11.48	198	47720	20.39	nq #	59
65) n-Nitrosodiphenylamine	11.56	169	573768	44.69	nq	99
66) 4-Bromophenyl-phenylether	12.13	248	172288	40.65	nq	94
67) Hexachlorobenzene	12.21	284	180542	39.85	nq	91
68) Atrazine	12.48	200	60833	15.67	nq	96
69) Pentachlorophenol	12.57	266	181855	87.85	nq	97
70) Phenanthrene	12.88	178	2358411	104.47	nq	98
71) Anthracene	12.96	178	1587737	68.96	nq	98
72) Carbazole	13.25	167	816106	41.28	nq	99
73) Di-n-butylphthalate	13.88	149	985988	41.41	nq	99
74) Fluoranthene	14.82	202	3768160	168.42	nq	96
77) Pyrene	15.19	202	4641482	221.87	nq	97
79) Butylbenzylphthalate	16.31	149	345015	41.94	nq	97
80) Benzo(a)anthracene	17.04	228	3046448	186.19	nq	94
81) 3,3'-Dichlorobenzidine	17.05	252	12537	2.40	nq #	67
82) Chrysene	17.09	228	2530917	155.27	nq	96
83) Bis(2-ethylhexyl)phthalate	17.15	149	493172	45.68	nq	100
84) Di-n-octyl phthalate	17.91	149	816222	53.02	nq #	100
85) Indeno(1,2,3-cd)pyrene	19.94	276	1542040	110.36	nq #	100
87) Benzo(b)fluoranthene	18.31	252	2660026m	182.14	nq	
88) Benzo(k)fluoranthene	18.33	252	1074078m	71.80	nq	
89) Benzo(a)pyrene	18.63	252	2066025	145.44	nq	98
90) Dibenzo(a,h)anthracene	19.94	278	699539m	51.18	nq	
91) Benzo(g,h,i)perylene	20.29	276	1466600	106.49	nq	98

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



#1

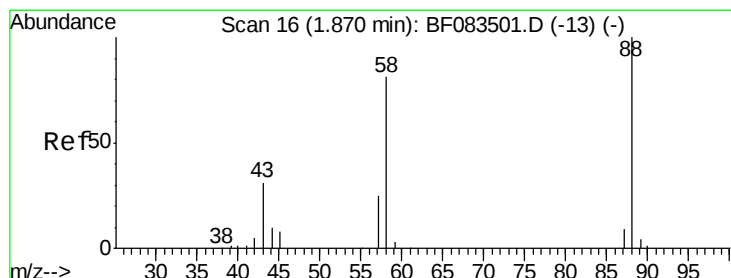
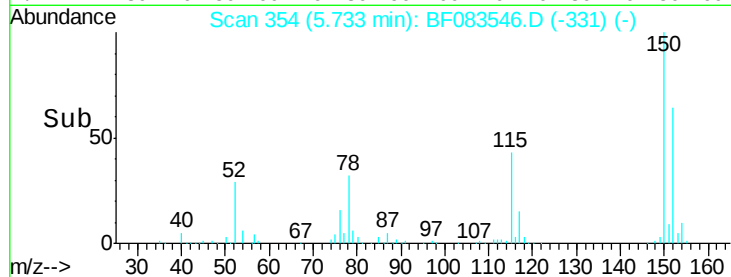
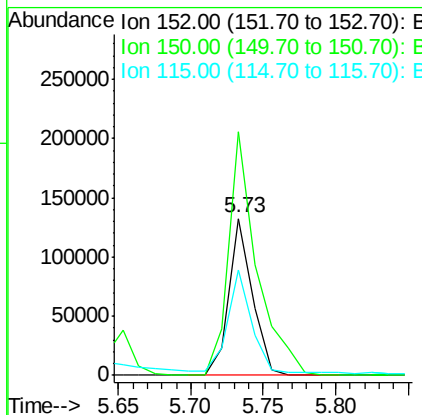
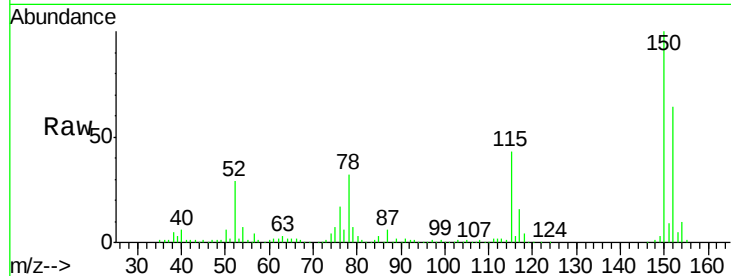
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.73 min Scan# 354
Delta R.T. -0.03 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.5	189.7
115	66.8	52.3	78.5

Manual Integrations
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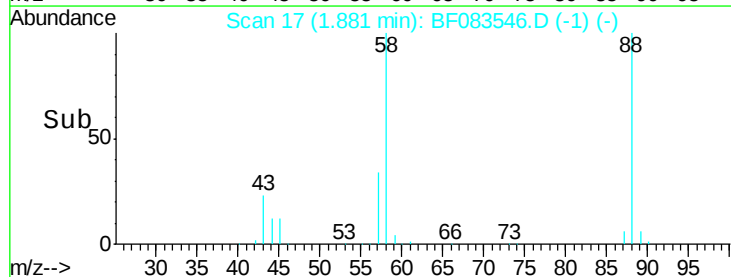
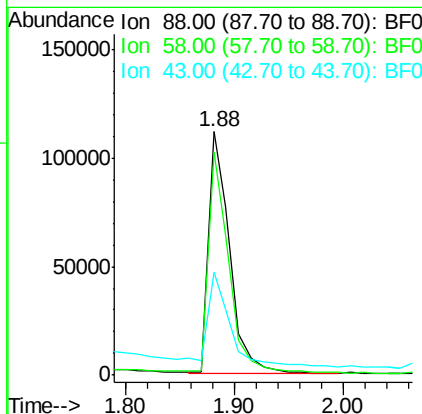
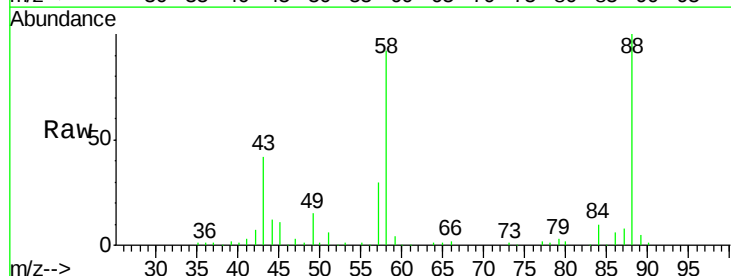
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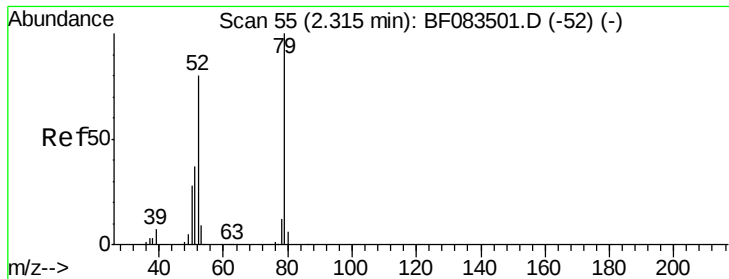


#2

1,4-Dioxane
Concen: 29.38 ng
RT: 1.88 min Scan# 17
Delta R.T. 0.01 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	88.1	68.0	102.0
43	43.8	27.9	41.9#





#3

Pvridine

Concen: 11.91 ng

RT: 2.30 min Scan# 54

Delta R.T. -0.01 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

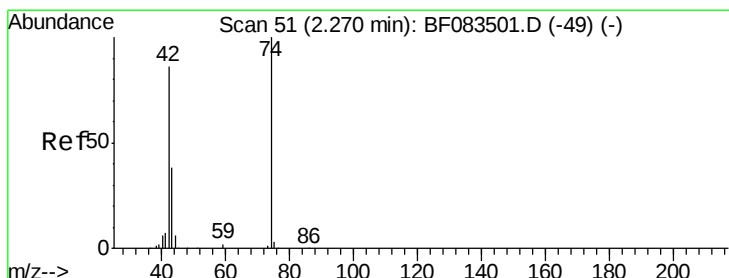
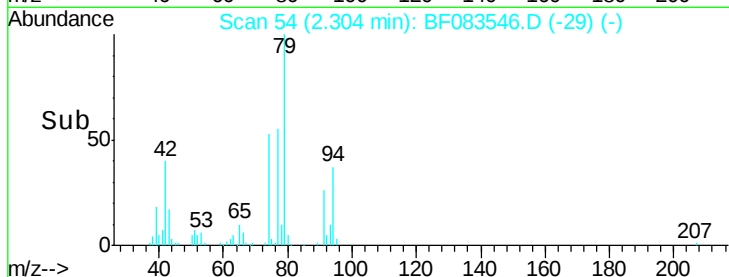
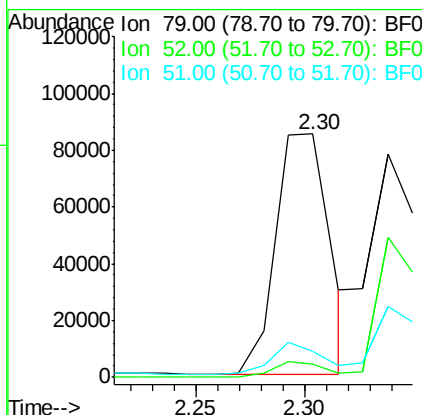
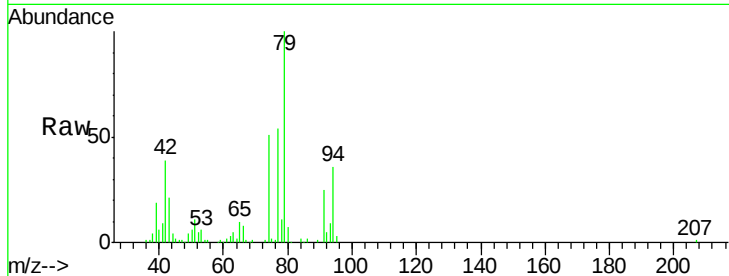
ClientSampleId :

K204-0-2MSD

Tot Ion:	79	Resp:	146611
Ion Ratio	Lower	Upper	
79	100		
52	5.3	63.7	95.5#
51	10.8	30.6	45.8#

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 38.91 ng

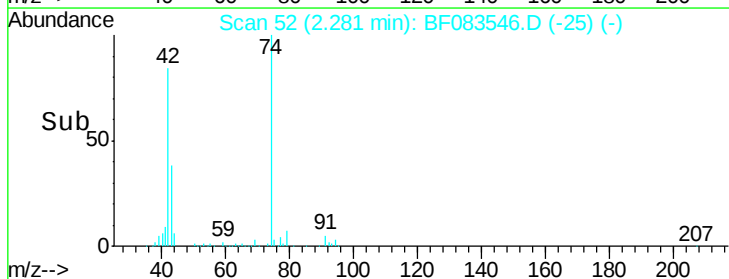
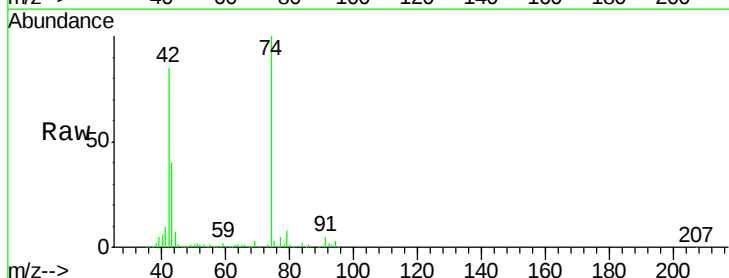
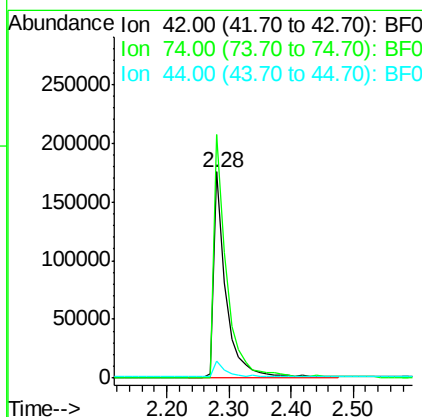
RT: 2.28 min Scan# 52

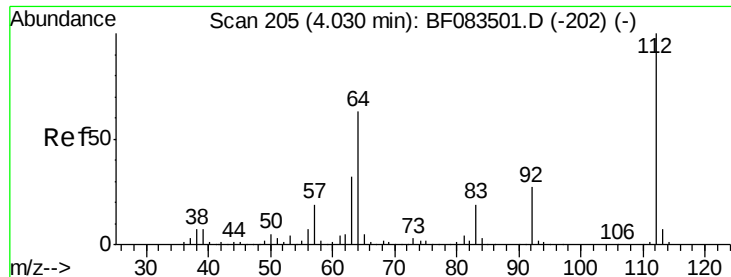
Delta R.T. 0.01 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Tgt Ion:	42	Resp:	241237
Ion Ratio	Lower	Upper	
42	100		
74	118.1	92.9	139.3
44	8.1	5.7	8.5





#5

2-Fluorophenol

Concen: 116.39 ng

RT: 4.03 min Scan# 205

Delta R.T. 0.00 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

ClientSampleId :

K204-0-2MSD

Tot Ion:112 Resp: 1144574

Ion Ratio Lower Upper

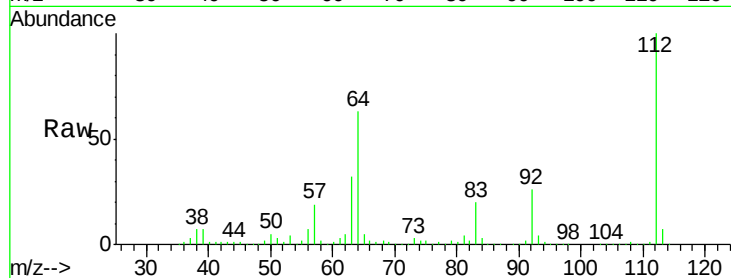
112 100

64 62.6 50.5 75.7

63 31.6 25.8 38.6

Manual Integrations
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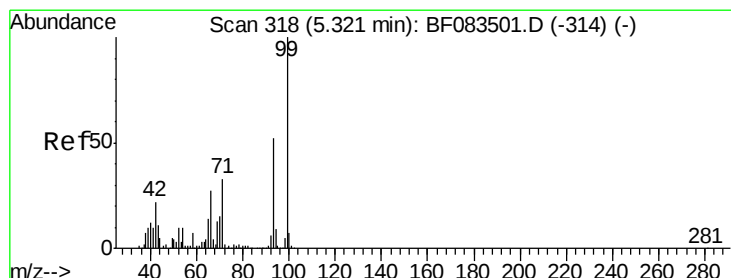
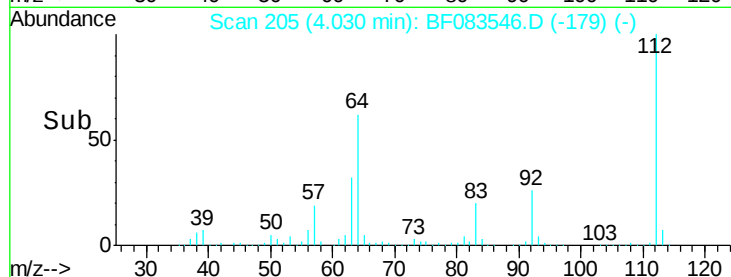
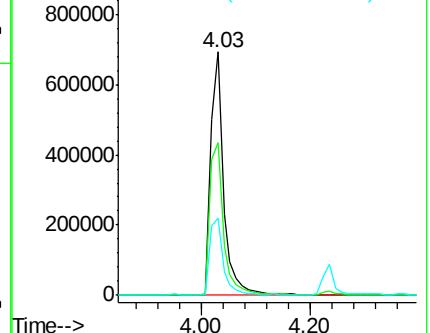
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 2.82 ng m

RT: 5.37 min Scan# 322

Delta R.T. 0.05 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

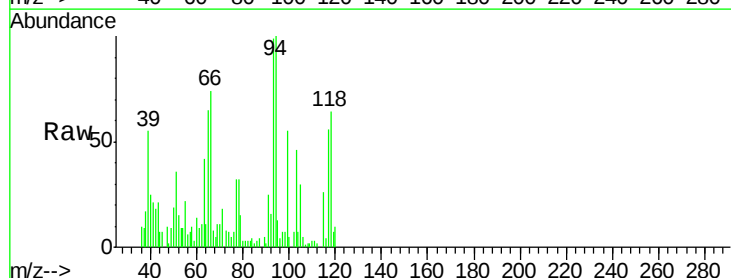
Tgt Ion: 93 Resp: 49699

Ion Ratio Lower Upper

93 100

66 74.5 41.3 61.9#

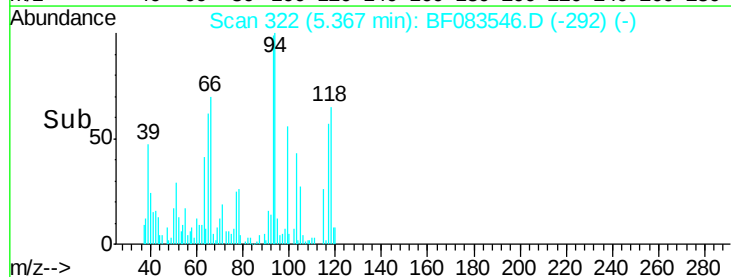
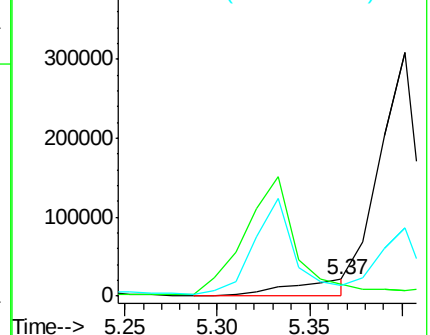
65 66.1 20.8 31.2#

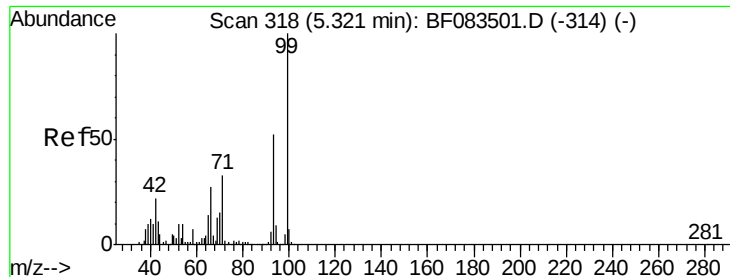


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 111.15 ng

RT: 5.31 min Scan# 317

Delta R.T. -0.01 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

ClientSampleId :

K204-0-2MSD

Tot Ion: 99 Resp: 1505983

Ion Ratio Lower Upper

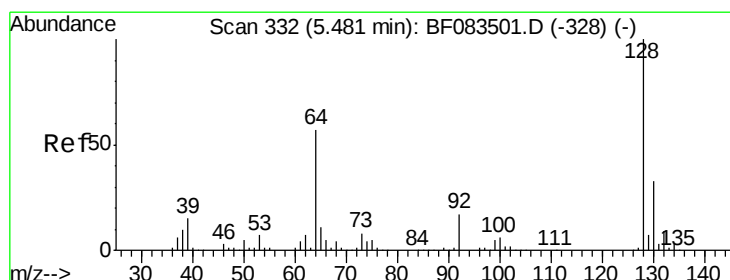
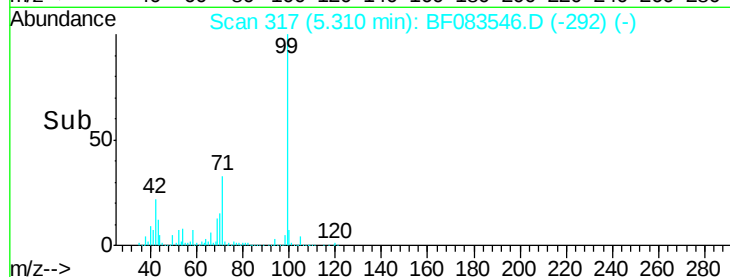
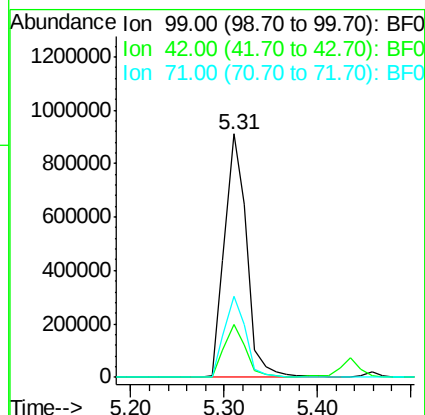
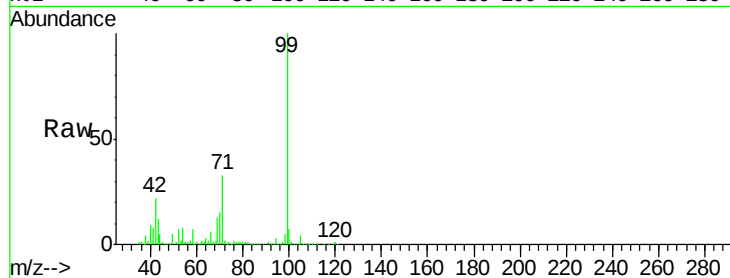
99 100

42 21.8 17.3 25.9

71 33.5 26.6 40.0

Manual Integrations
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#8

2-Chlorophenol

Concen: 35.86 ng

RT: 5.46 min Scan# 330

Delta R.T. -0.02 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

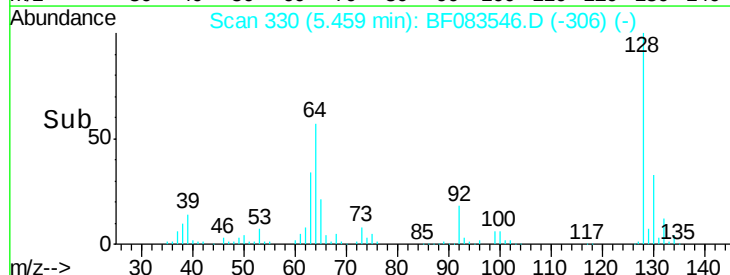
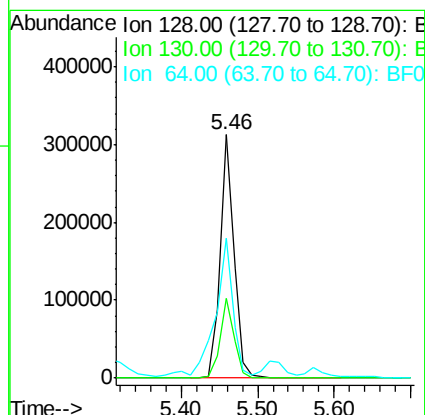
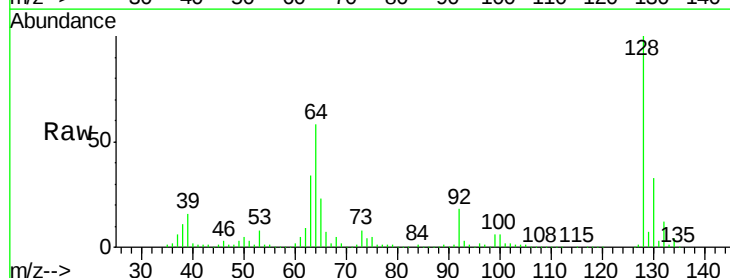
Tgt Ion: 128 Resp: 392205

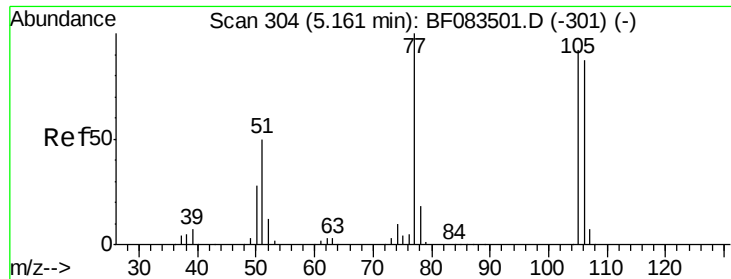
Ion Ratio Lower Upper

128 100

130 32.9 12.6 52.6

64 57.6 38.6 78.6





#9

Benzaldehyde

Concen: 27.02 ng

RT: 5.13 min Scan# 301

Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

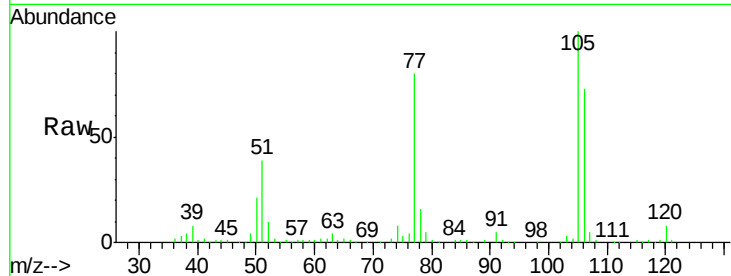
ClientSampleId :

K204-0-2MSD

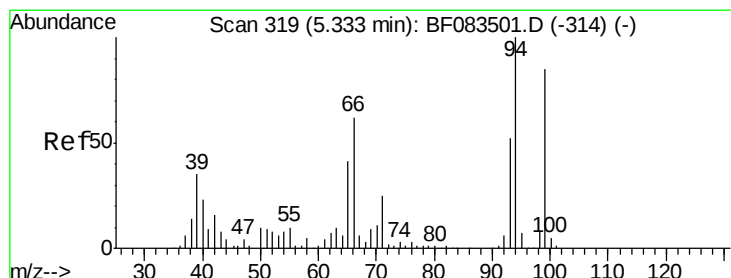
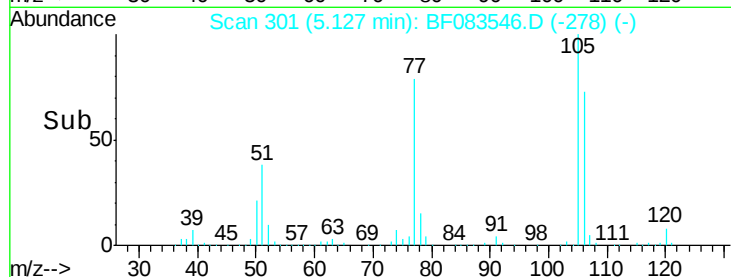
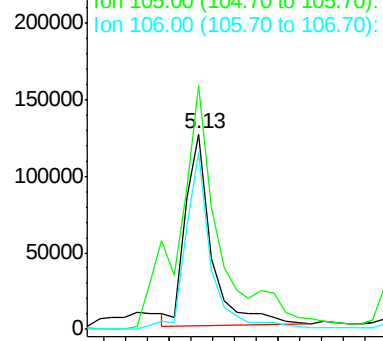
Tot Ion:	77	Resp:	209888
Ion Ratio	Lower	Upper	
77	100		
105	124.8	71.8	111.8#
106	90.9	66.8	106.8

Manual Integrations
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Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B



#10

Phenol

Concen: 37.80 ng

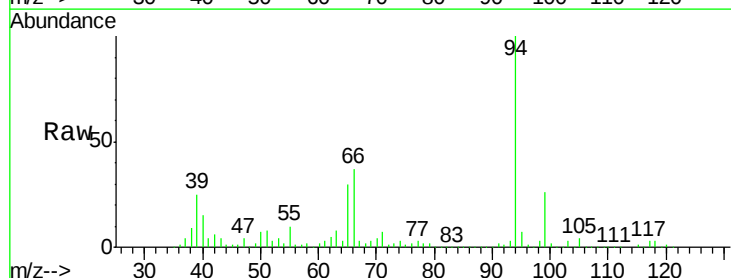
RT: 5.33 min Scan# 319

Delta R.T. 0.00 min

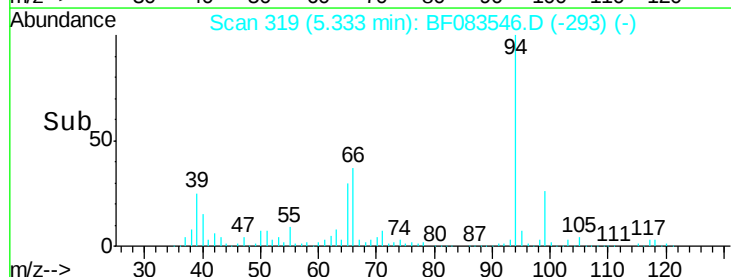
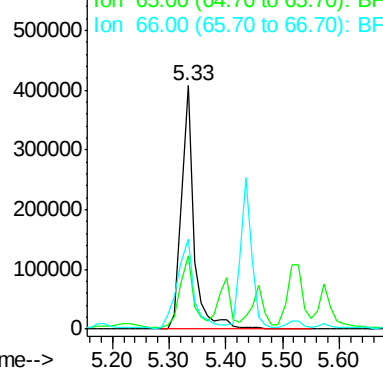
Lab File: BF083546.D

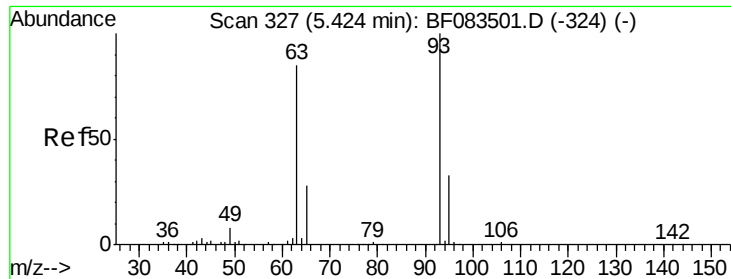
Acq: 7 Dec 2015 6:49

Tgt Ion:	94	Resp:	598831
Ion Ratio	Lower	Upper	
94	100		
65	30.2	20.9	60.9
66	37.2	41.6	81.6#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





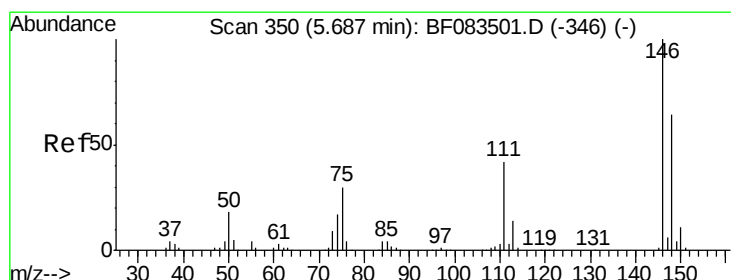
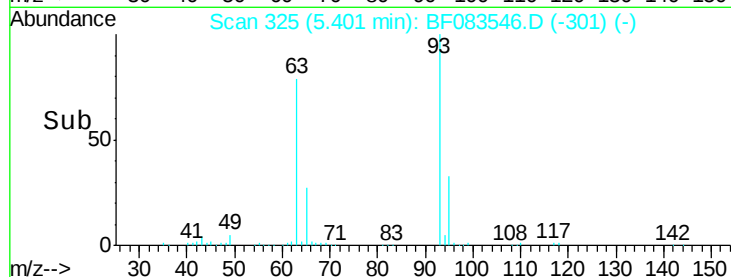
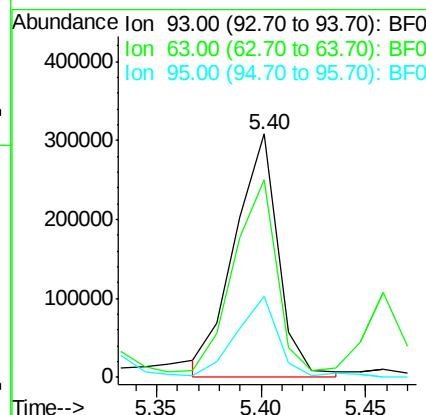
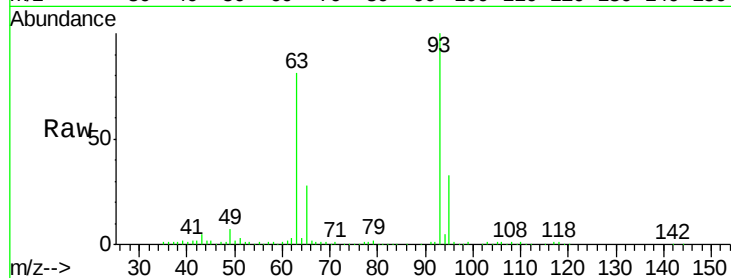
#11
bis(2-Chloroethyl)ether
Concen: 38.19 ng/ml
RT: 5.40 min Scan# 325
Delta R.T. -0.02 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	81.0	64.7	104.7
95	33.1	12.7	52.7

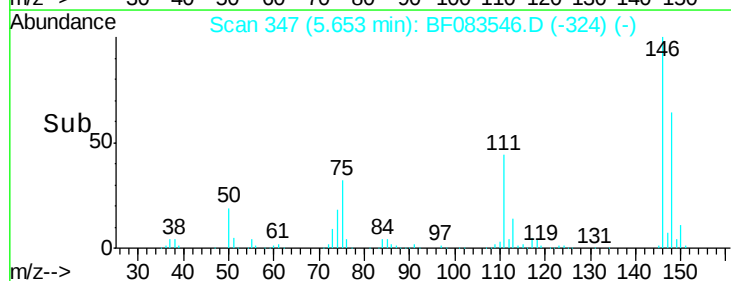
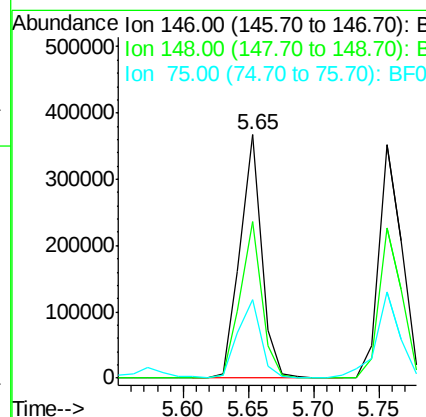
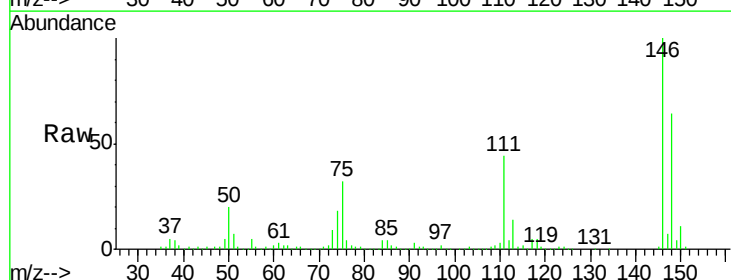
Manual Integrations
APPROVED

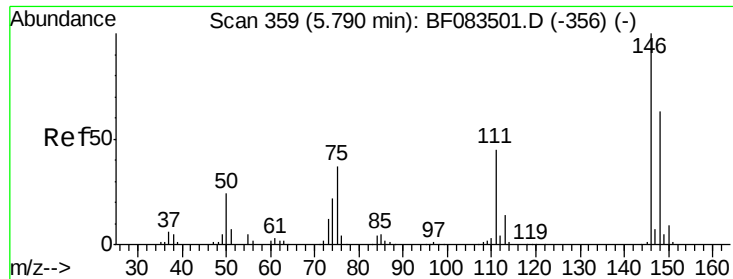
Mmdadoda
12/7/2015 6:33:36 PM



#12
1,3-Dichlorobenzene
Concen: 34.92 ng/ml
RT: 5.65 min Scan# 347
Delta R.T. -0.03 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.3	76.9
75	32.1	24.1	36.1





#13

1,4-Dichlorobenzene

Concen: 35.29 ng

RT: 5.76 min Scan# 356

Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

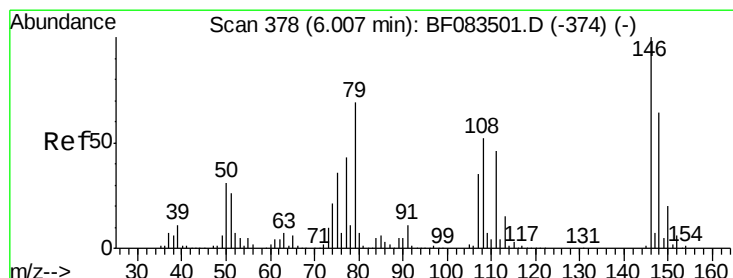
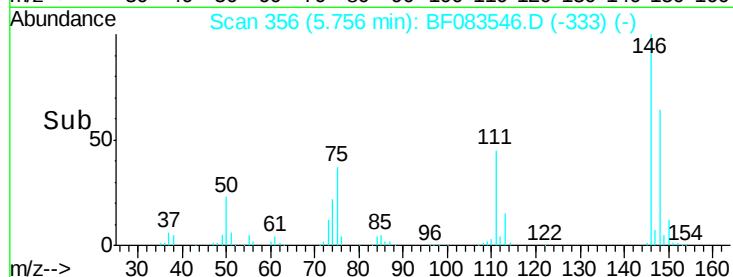
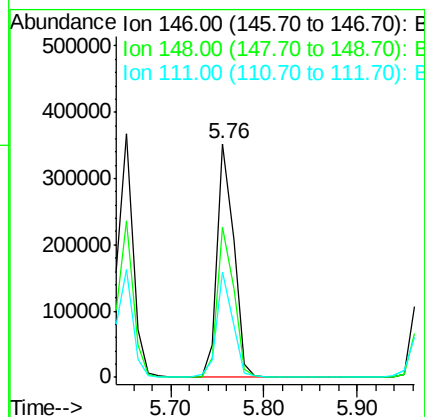
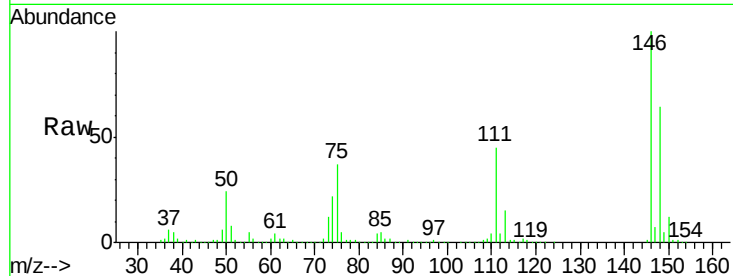
ClientSampleId :

K204-0-2MSD

Tot Ion:	146	Resp:	437129
Ion Ratio	Lower	Upper	
146	100		
148	63.9	50.6	76.0
111	45.3	36.1	54.1

Manual Integrations
APPROVED

Mmdadoda
12/7/2015 6:33:36 PM



#14

1,2-Dichlorobenzene

Concen: 35.35 ng

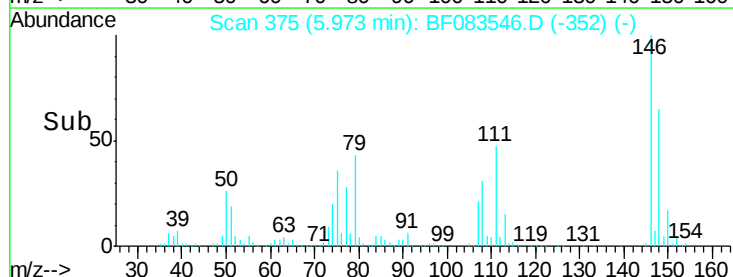
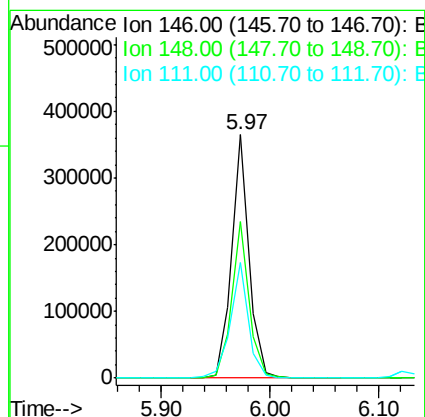
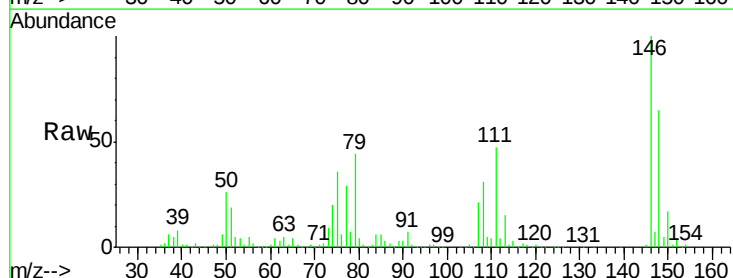
RT: 5.97 min Scan# 375

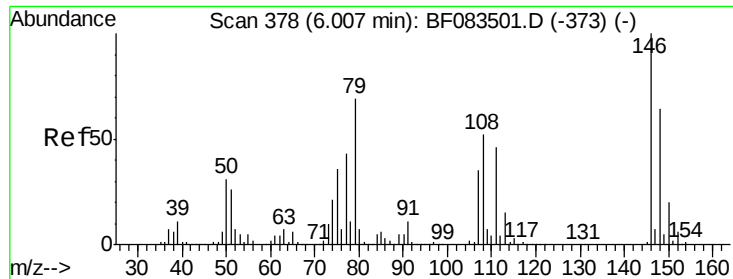
Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Tgt Ion:	146	Resp:	402636
Ion Ratio	Lower	Upper	
146	100		
148	64.6	51.4	77.0
111	47.5	36.7	55.1





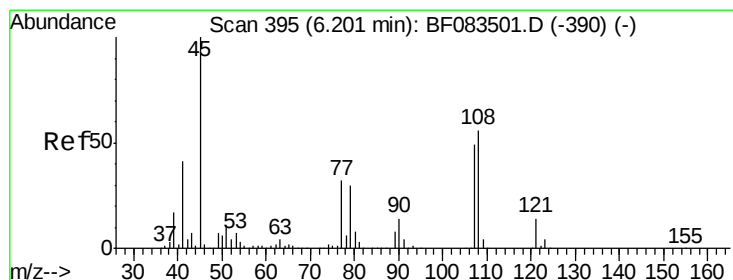
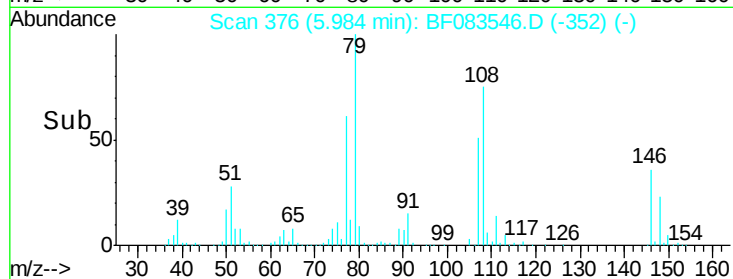
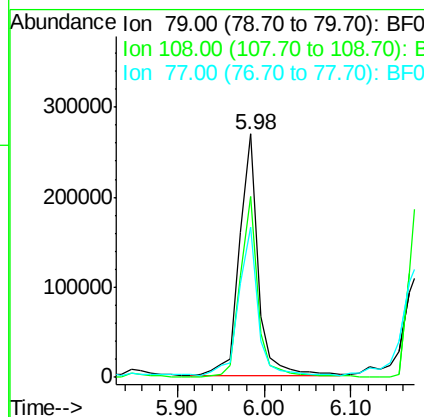
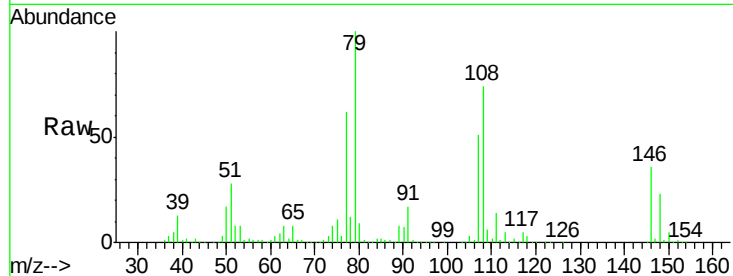
#15
Benzyl Alcohol
Concen: 42.25 ng
RT: 5.98 min Scan# 376
Delta R.T. -0.02 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	74.5	59.6	89.4	
77	61.5	49.8	74.6	

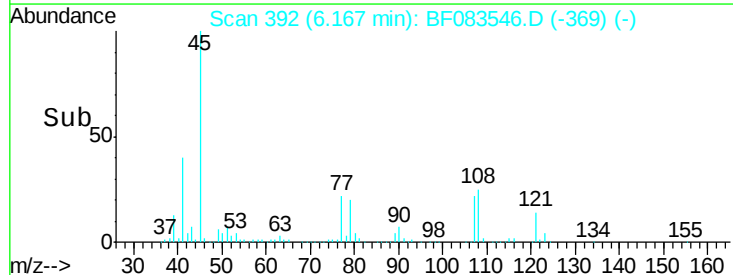
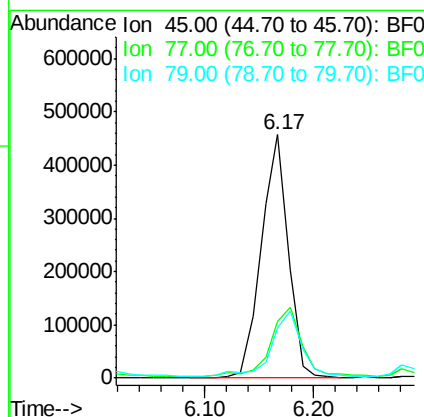
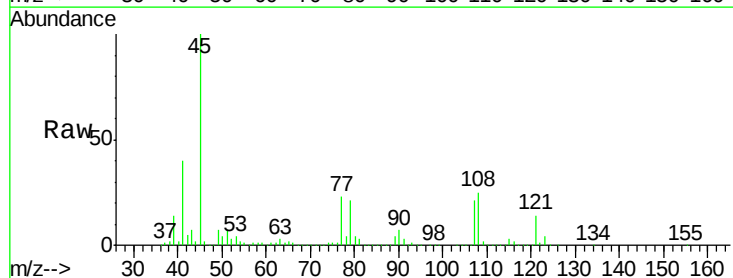
Manual Integrations
APPROVED

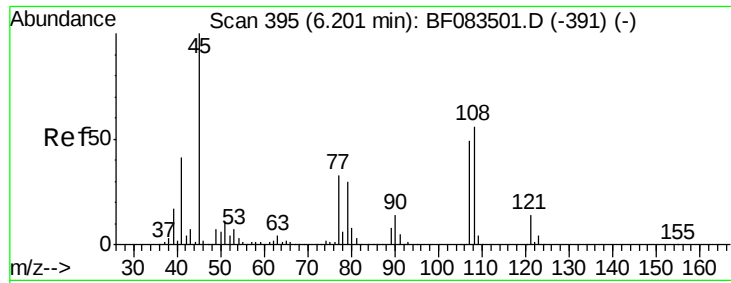
Mmdadoda
12/7/2015 6:33:36 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.90 ng
RT: 6.17 min Scan# 392
Delta R.T. -0.03 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	23.2	12.8	52.8	
79	20.7	10.7	50.7	





#17

2-Methylphenol

Concen: 36.33 ng

RT: 6.18 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

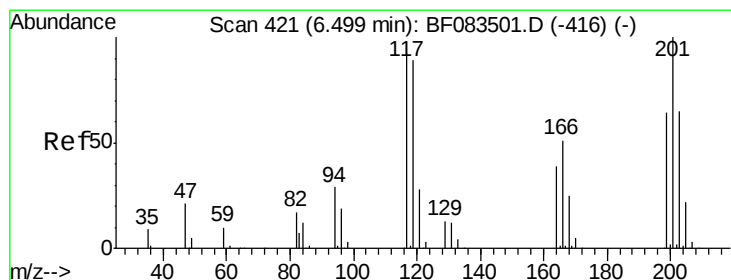
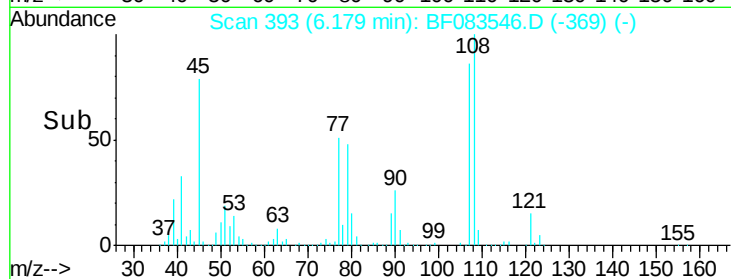
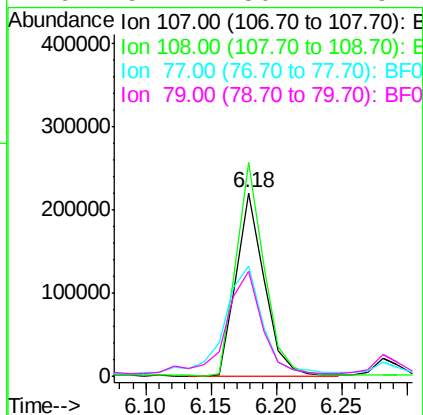
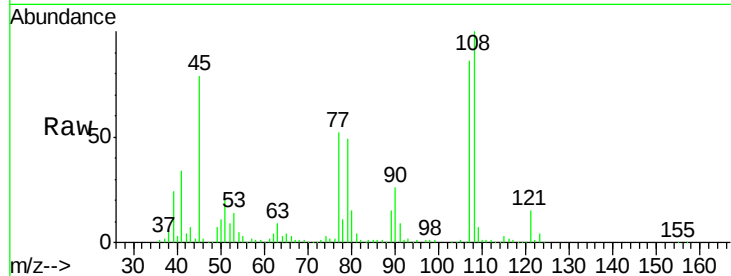
ClientSampleId :

K204-0-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	116.5	91.6	137.4	
77	60.4	53.7	80.5	
79	57.2	50.2	75.4	

Manual Integrations
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Mmdadoda
12/7/2015 6:33:36 PM



#18

Hexachloroethane

Concen: 39.62 ng

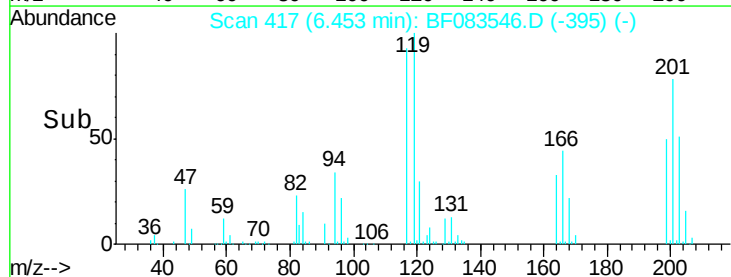
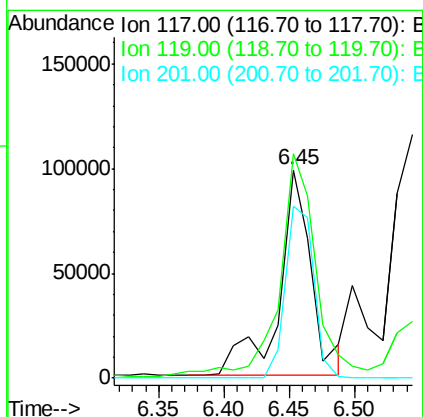
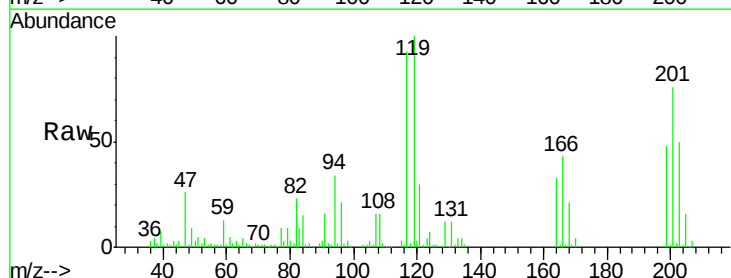
RT: 6.45 min Scan# 417

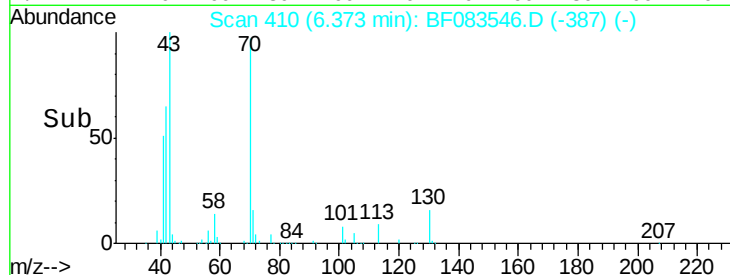
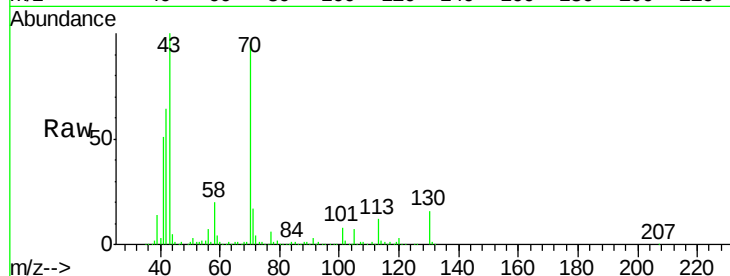
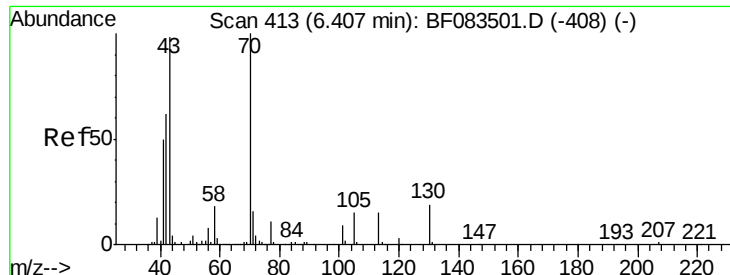
Delta R.T. -0.05 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	107.9	77.2	115.8	
201	82.4	86.8	130.2#	





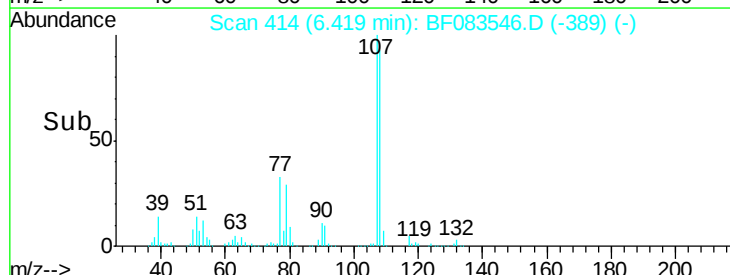
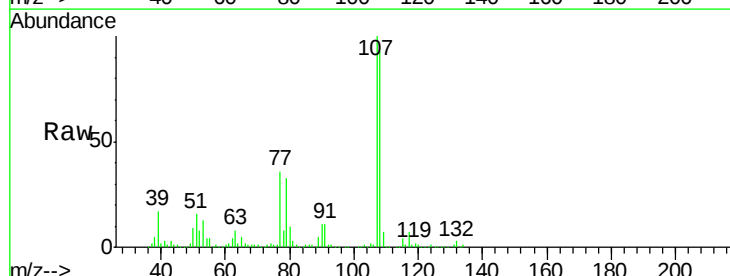
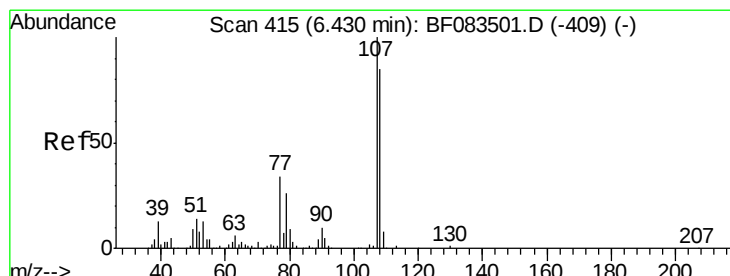
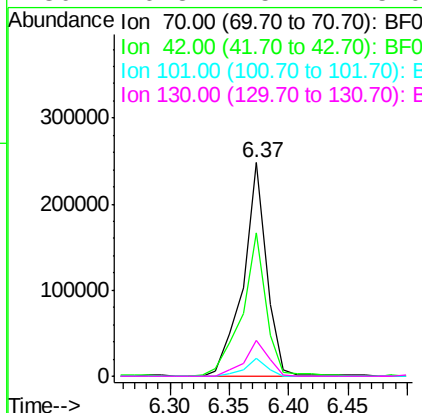
#19
n-Nitroso-di-n-propylamine
Concen: 38.14 ng
RT: 6.37 min Scan# 410
Delta R.T. -0.03 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		344770		
42	66.9	49.2	73.8		
101	8.3	7.1	10.7		
130	16.8	15.4	23.0		

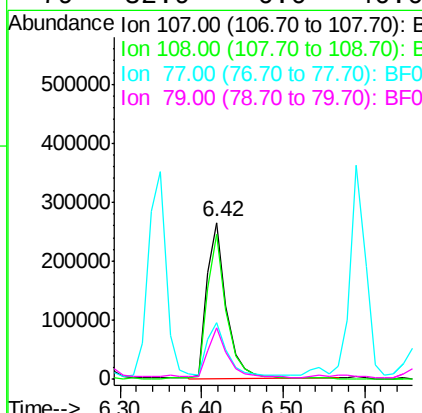
Manual Integrations
APPROVED

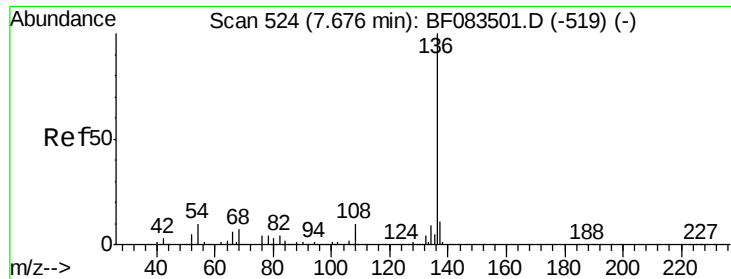
Mmdadoda
12/7/2015 6:33:36 PM



#20
3+4-Methylphenols
Concen: 37.77 ng
RT: 6.42 min Scan# 414
Delta R.T. -0.01 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		442863		
108	92.6	65.2	105.2		
77	36.1	15.2	55.2		
79	32.9	6.0	46.0		





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.64 min Scan# 521

Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

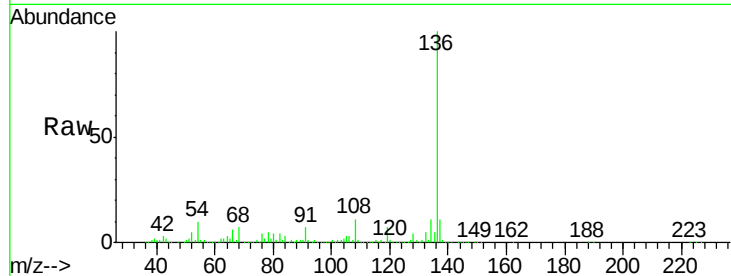
ClientSampleId :

K204-0-2MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		554398		
137	10.8		8.7	13.1	
54	9.8		7.8	11.6	
68	7.3		5.7	8.5	

Manual Integrations
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12/7/2015 6:33:36 PM



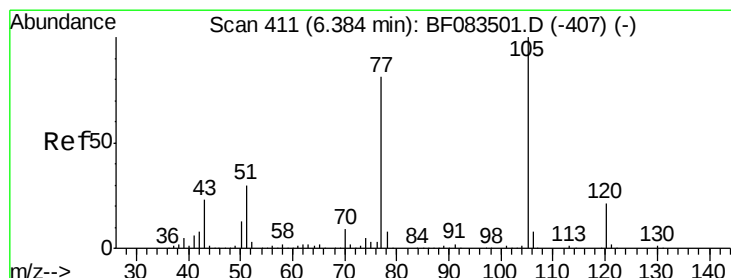
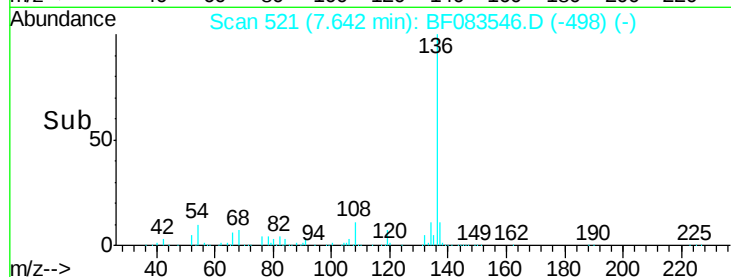
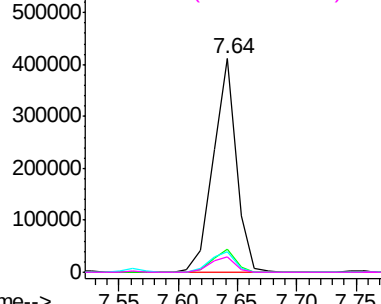
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 41.39 ng

RT: 6.35 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		660962		
71	2.0		1.3	1.9#	
51	29.0		23.8	35.8	
120	20.1		16.7	25.1	

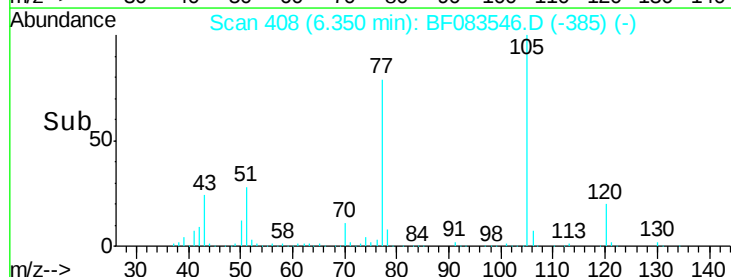
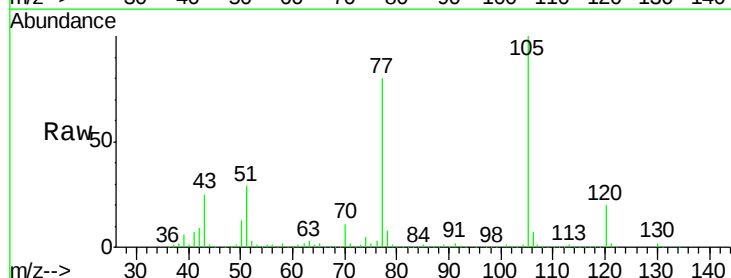
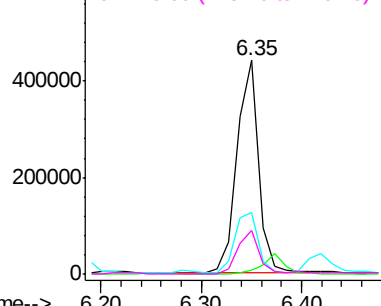
Abundance

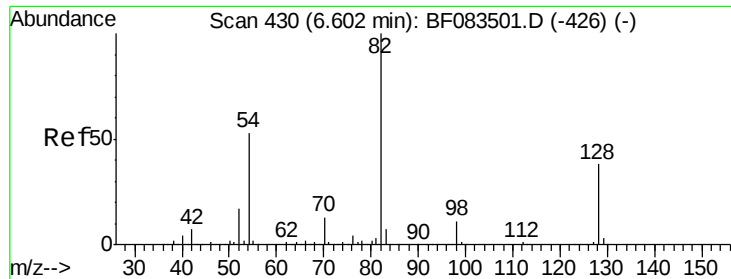
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





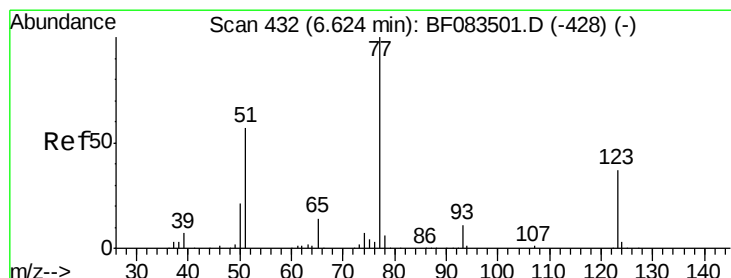
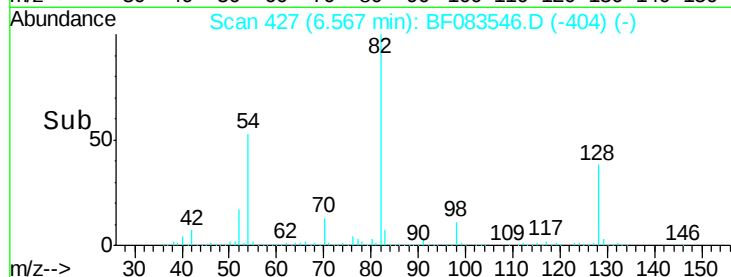
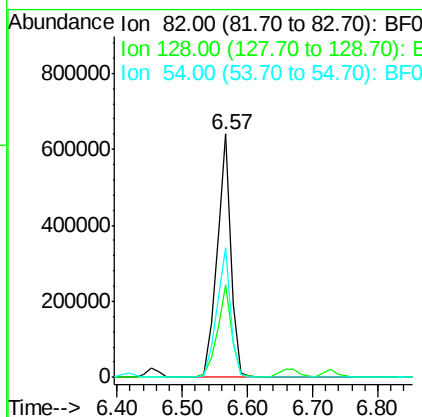
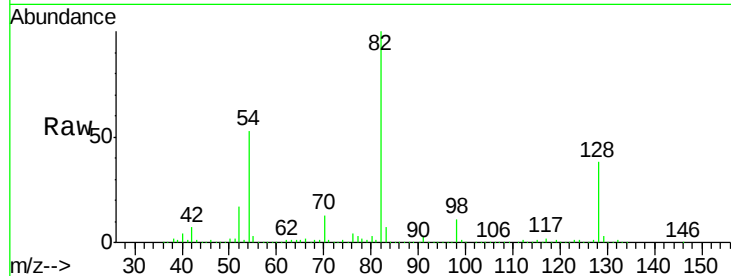
#23
Nitrobenzene-d5
Concen: 81.29 ng
RT: 6.57 min Scan# 427
Delta R.T. -0.03 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	964163		
128	38.0	30.7	46.1	
54	53.1	42.5	63.7	

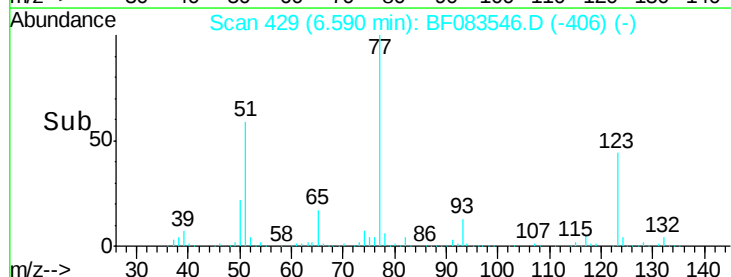
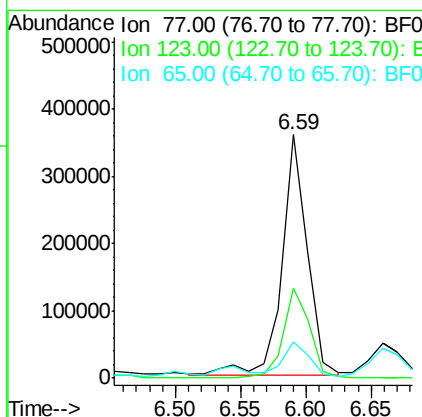
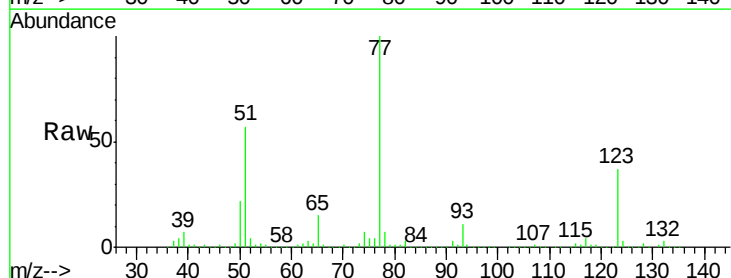
Manual Integrations
APPROVED

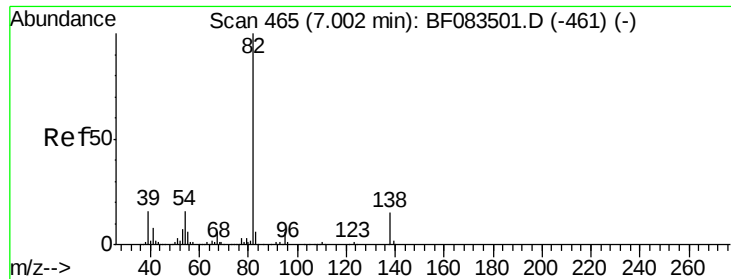
Mmdadoda
12/7/2015 6:33:36 PM



#24
Nitrobenzene
Concen: 37.17 ng
RT: 6.59 min Scan# 429
Delta R.T. -0.03 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	485484		
123	36.7	29.8	44.6	
65	14.9	11.1	16.7	





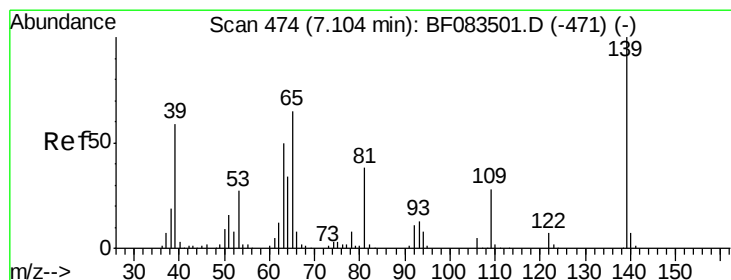
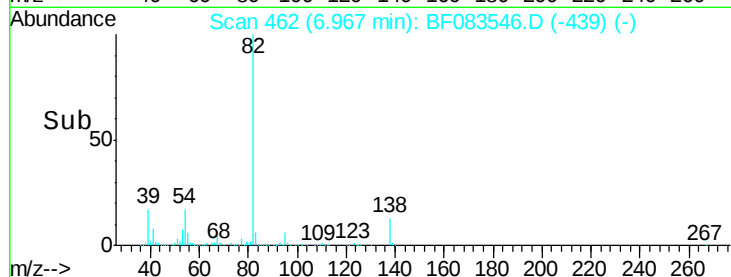
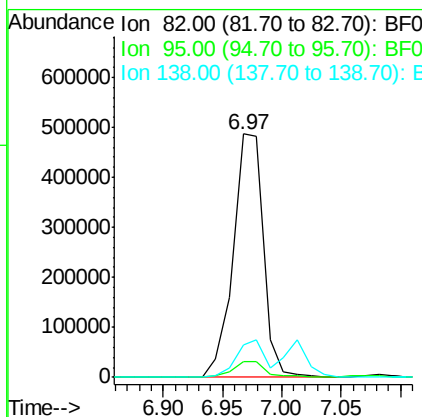
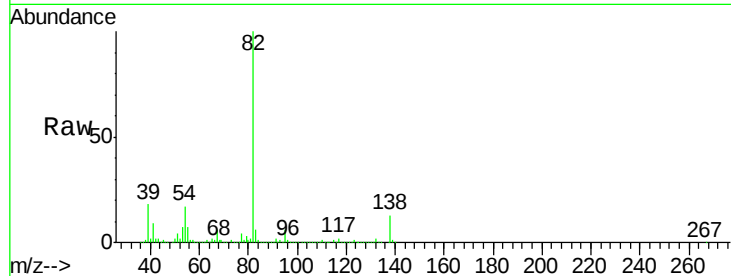
#25
Isophorone
Concen: 37.73 ng
RT: 6.97 min Scan# 462
Delta R.T. -0.03 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion	82	Resp	859473
Ion Ratio	Lower	Upper	
82	100		
95	6.2	5.0	7.4
138	13.2	12.1	18.1

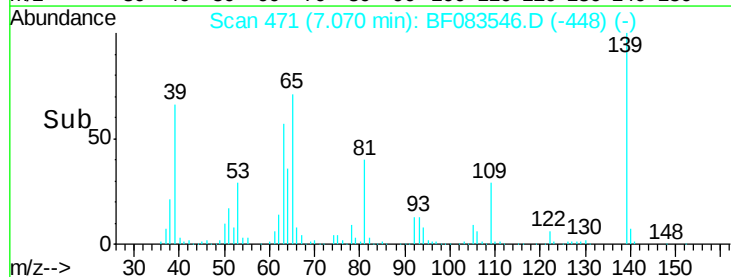
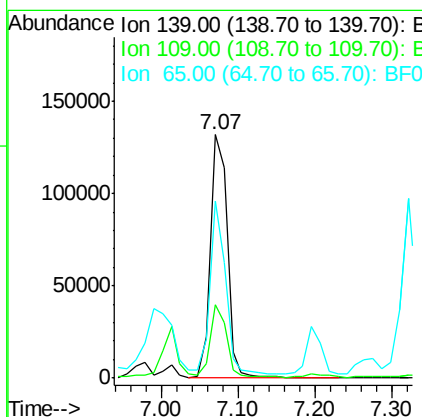
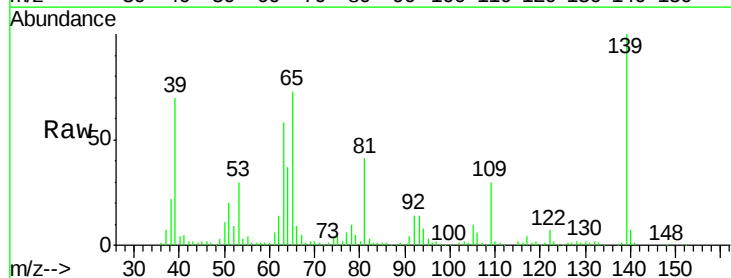
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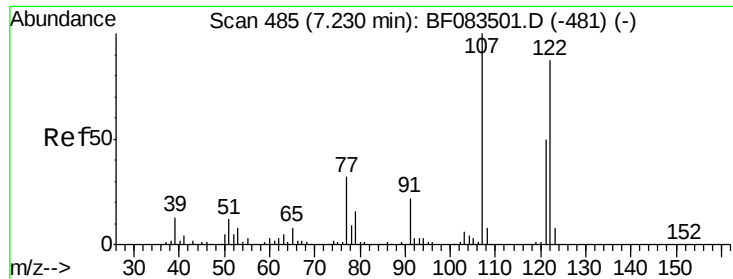
Mmdadoda
12/7/2015 6:33:36 PM



#26
2-Nitrophenol
Concen: 38.89 ng
RT: 7.07 min Scan# 471
Delta R.T. -0.03 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion	139	Resp	200465
Ion Ratio	Lower	Upper	
139	100		
109	30.3	22.7	34.1
65	72.6	51.8	77.8





#27

2,4-Dimethylphenol

Concen: 35.58 ng

RT: 7.20 min Scan# 482

Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

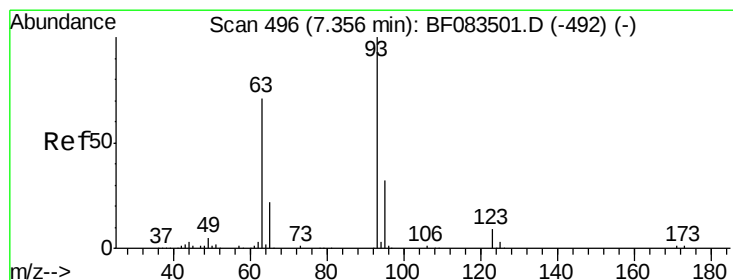
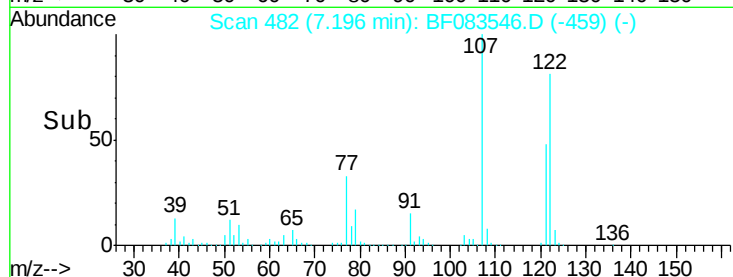
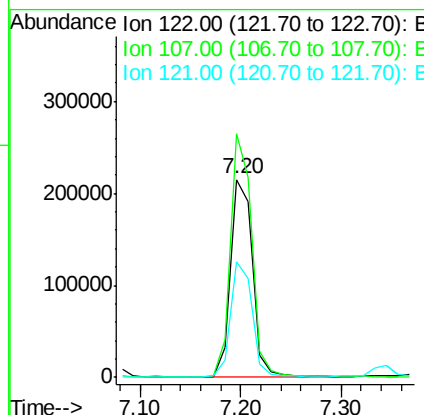
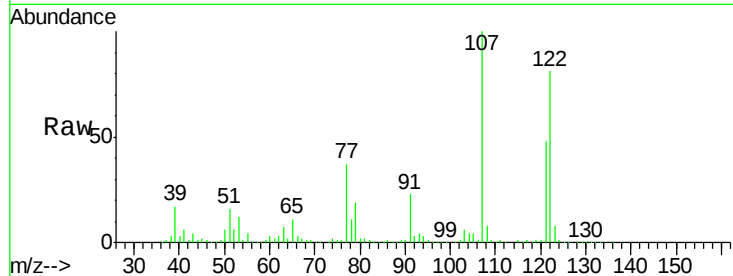
ClientSampleId :

K204-0-2MSD

Tot Ion:	122	Resp:	324004
Ion Ratio	Lower	Upper	
122	100		
107	123.3	92.4	138.6
121	58.7	45.8	68.6

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12/7/2015 6:33:36 PM



#28

bis(2-Chloroethoxy)methane

Concen: 42.35 ng

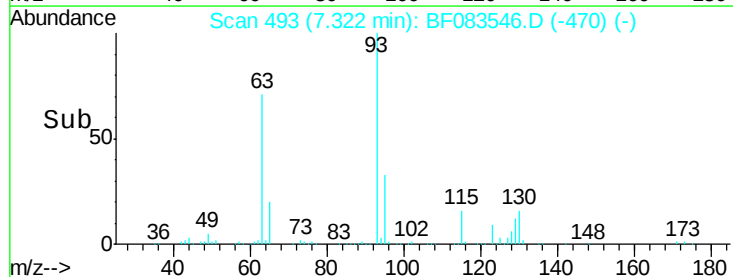
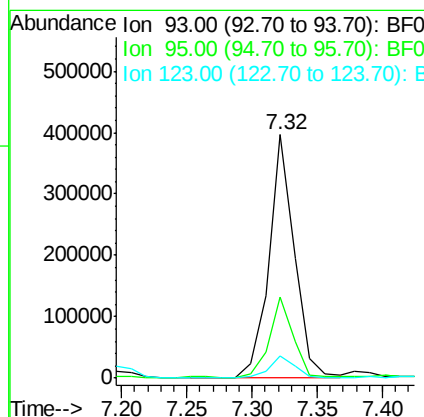
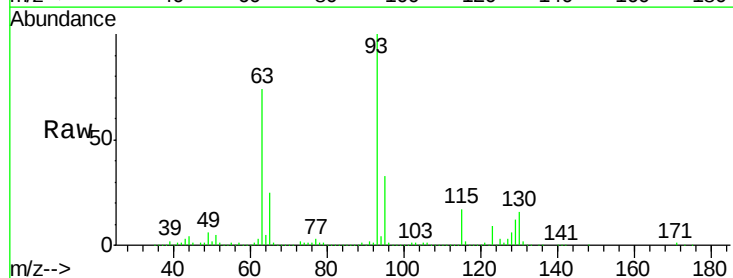
RT: 7.32 min Scan# 493

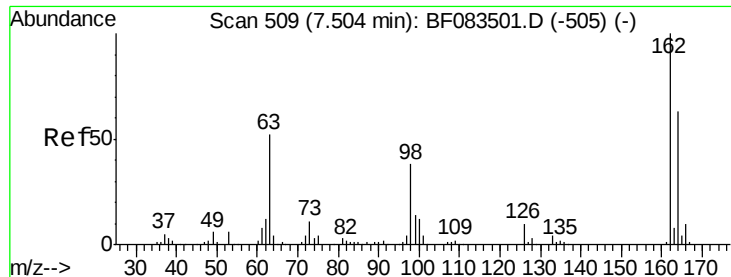
Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Tgt Ion:	93	Resp:	537512
Ion Ratio	Lower	Upper	
93	100		
95	33.4	25.6	38.4
123	9.3	7.3	10.9





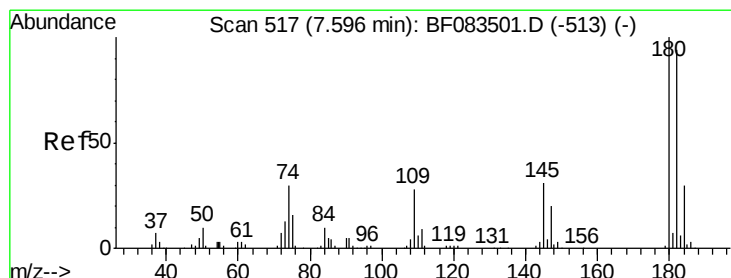
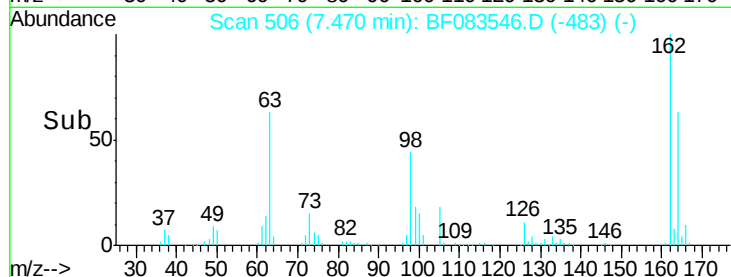
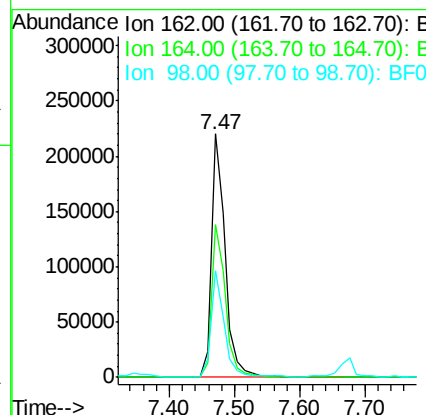
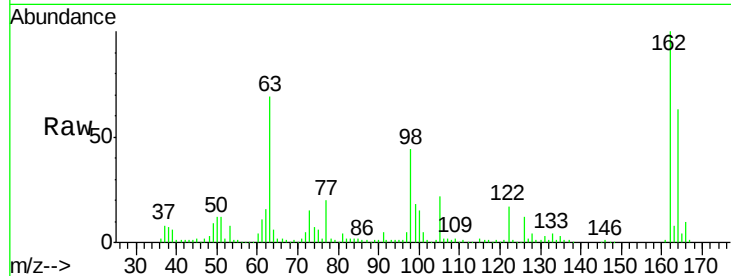
#29
 2,4-Dichlorophenol
 Concen: 39.08 ng
 RT: 7.47 min Scan# 506
 Delta R.T. -0.03 min
 Lab File: BF083546.D
 Acq: 7 Dec 2015 6:49

Instrument :
 BNA_F
 ClientSampleId :
 K204-0-2MSD

Tot Ion:	162	Resp:	321373
Ion Ratio	Lower	Upper	
162	100		
164	62.5	43.4	83.4
98	43.9	17.5	57.5

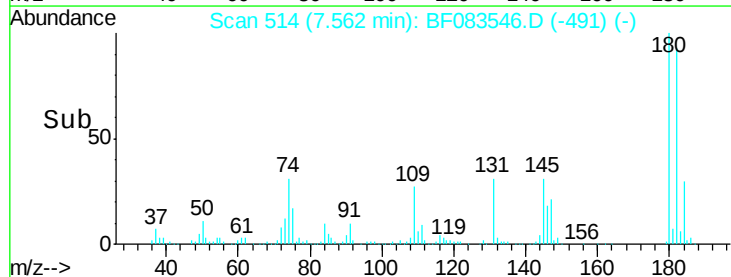
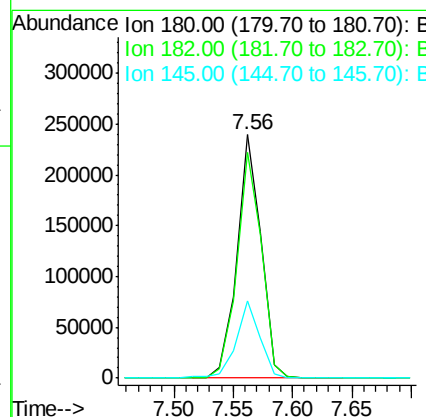
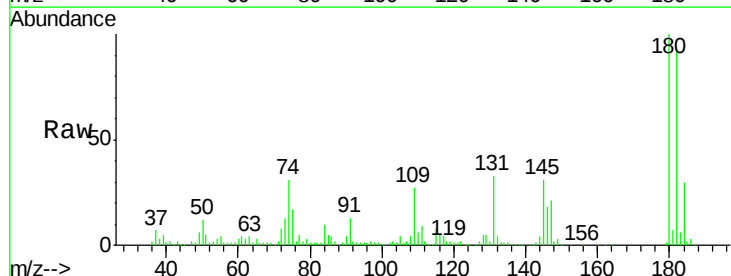
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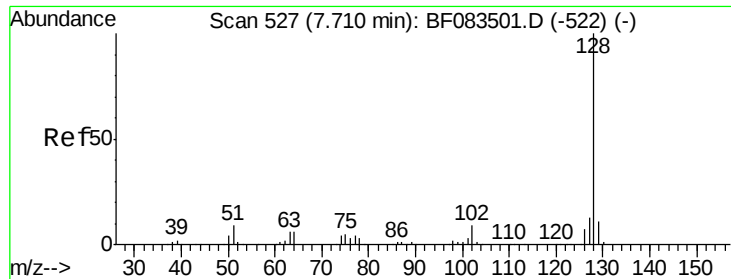
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 12/7/2015 6:33:36 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 36.85 ng
 RT: 7.56 min Scan# 514
 Delta R.T. -0.03 min
 Lab File: BF083546.D
 Acq: 7 Dec 2015 6:49

Tgt Ion:	180	Resp:	335090
Ion Ratio	Lower	Upper	
180	100		
182	92.7	74.9	112.3
145	31.5	24.7	37.1





#31

Naphthalene

Concen: 50.71 ng

RT: 7.68 min Scan# 524

Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

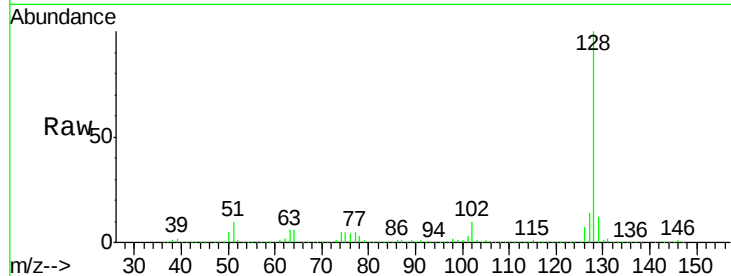
ClientSampleId :

K204-0-2MSD

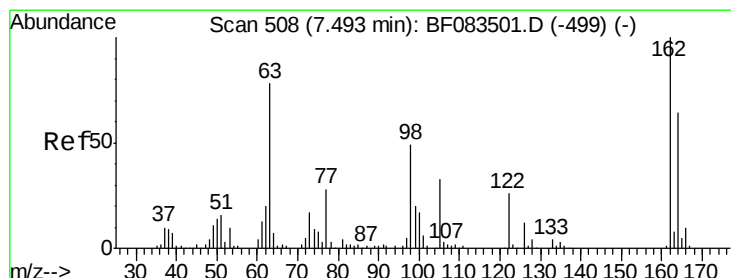
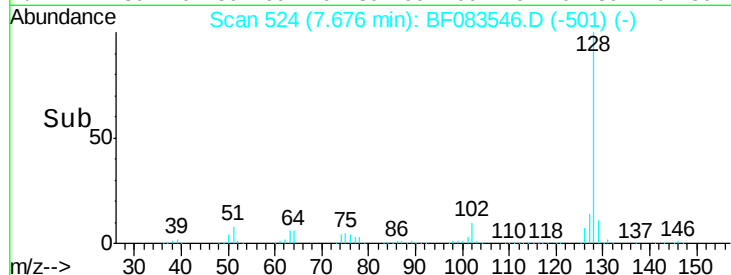
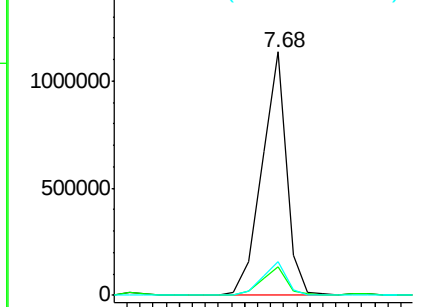
Tot Ion:	128	Resp:	1496514
Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	13.0
127	13.6	10.6	16.0

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 30.70 ng

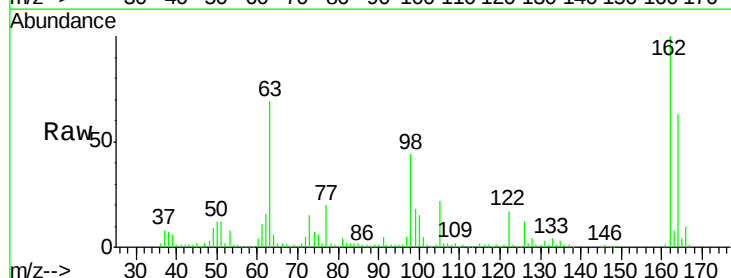
RT: 7.47 min Scan# 506

Delta R.T. -0.02 min

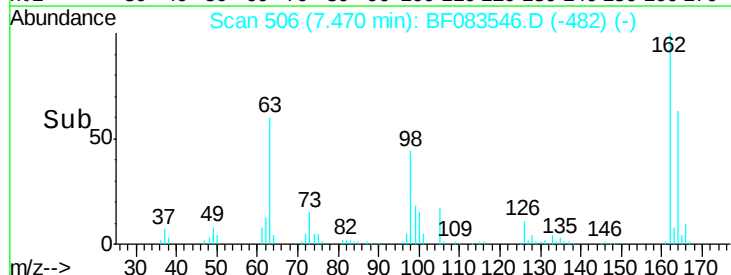
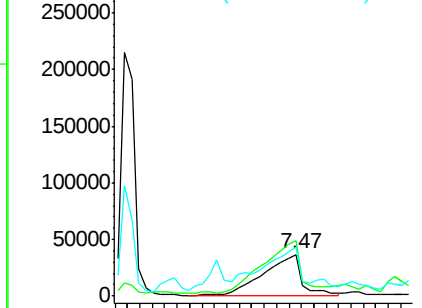
Lab File: BF083546.D

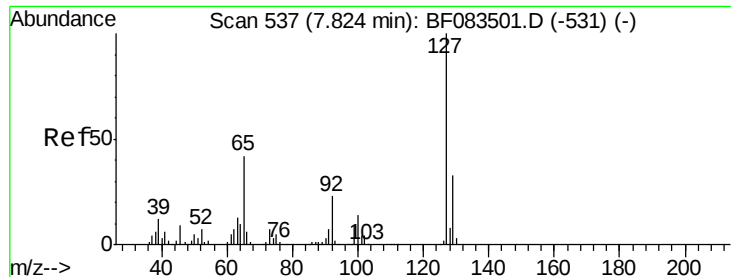
Acq: 7 Dec 2015 6:49

Tgt Ion:	122	Resp:	150695
Ion	Ratio	Lower	Upper
122	100		
105	133.3	105.6	145.6
77	117.4	86.8	126.8



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





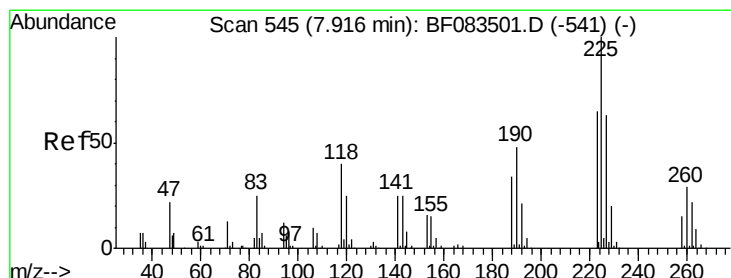
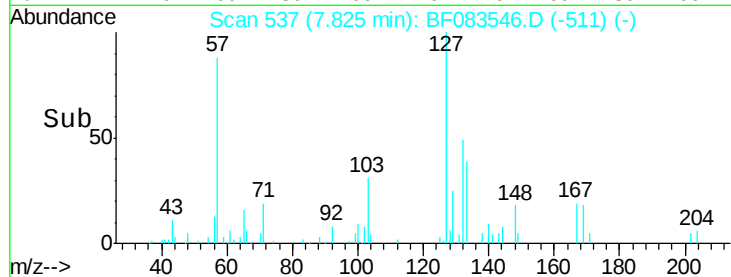
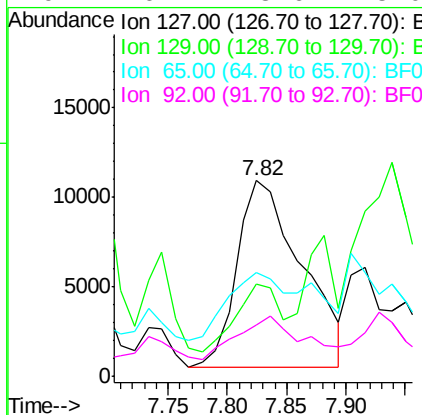
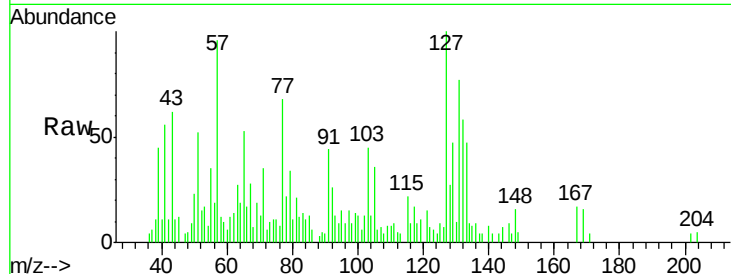
#33
4-Chloroaniline
Concen: 3.43 ng
RT: 7.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		39634		
129	47.2	26.1	39.1#		
65	52.9	33.5	50.3#		
92	26.1	18.6	28.0		

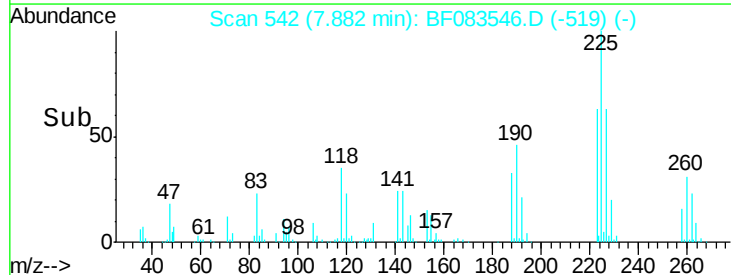
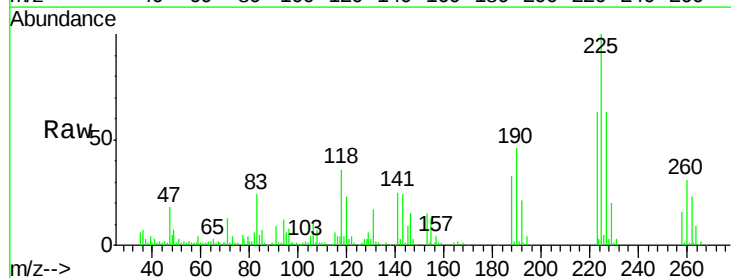
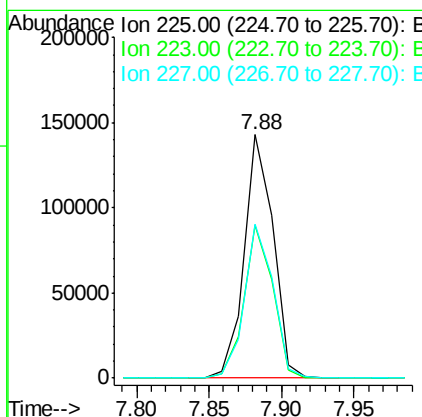
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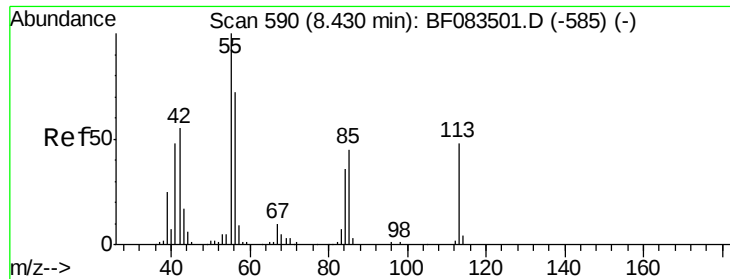
Mmdadoda
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#34
Hexachlorobutadiene
Concen: 36.75 ng
RT: 7.88 min Scan# 542
Delta R.T. -0.03 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		197432		
223	62.7	52.3	78.5		
227	63.2	50.4	75.6		





#35

Caprolactam

Concen: 39.66 ng

RT: 8.41 min Scan# 588

Delta R.T. -0.02 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

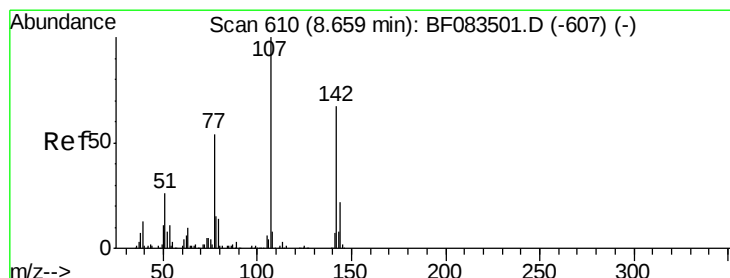
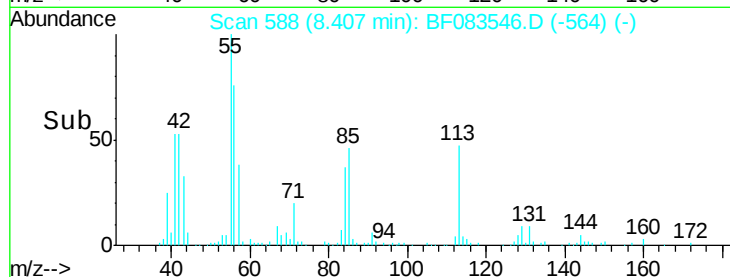
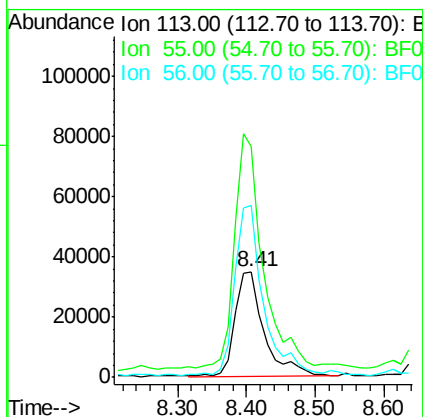
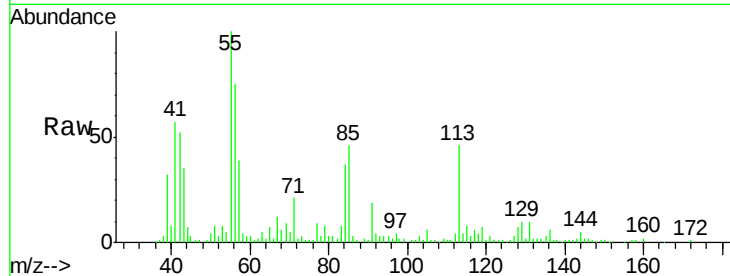
ClientSampleId :

K204-0-2MSD

Tot Ion:	113	Resp:	103727
Ion Ratio	Lower	Upper	
113	100		
55	218.8	189.7	229.7
56	163.4	130.7	170.7

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12/7/2015 6:33:36 PM



#36

4-Chloro-3-methylphenol

Concen: 36.36 ng

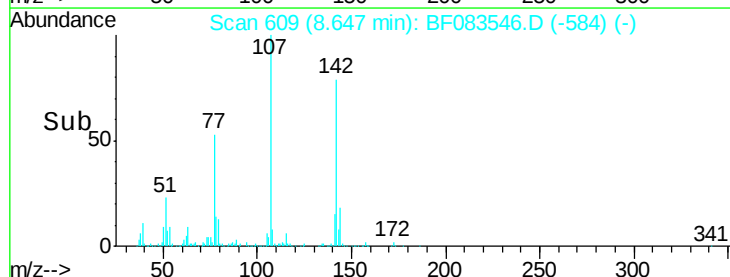
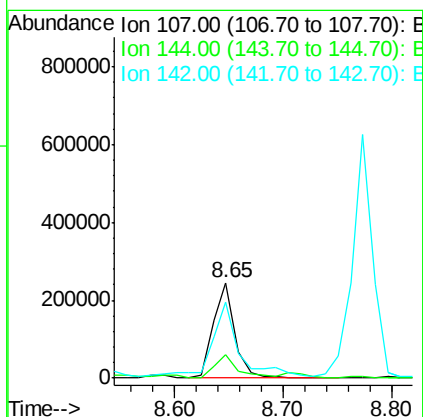
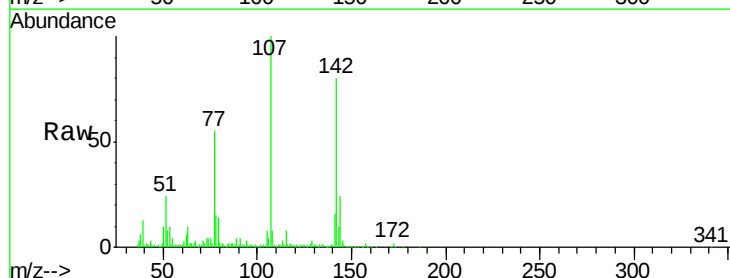
RT: 8.65 min Scan# 609

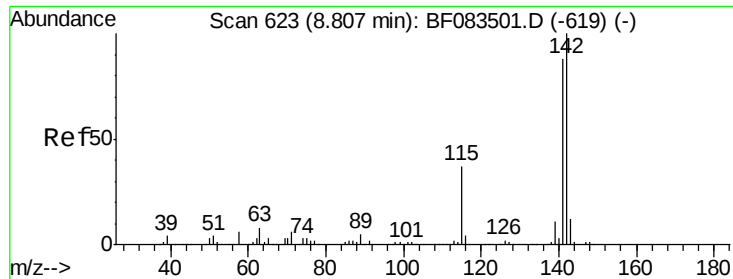
Delta R.T. -0.01 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Tgt Ion:	107	Resp:	336508
Ion Ratio	Lower	Upper	
107	100		
144	24.5	17.5	26.3
142	79.6	53.6	80.4





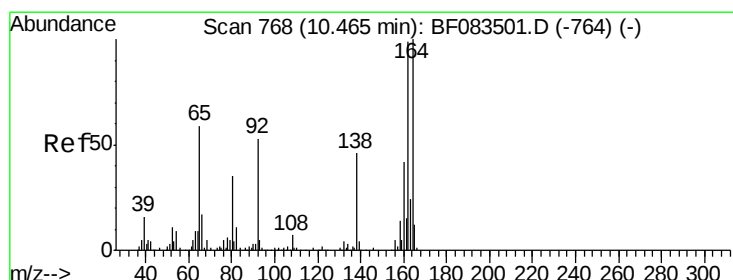
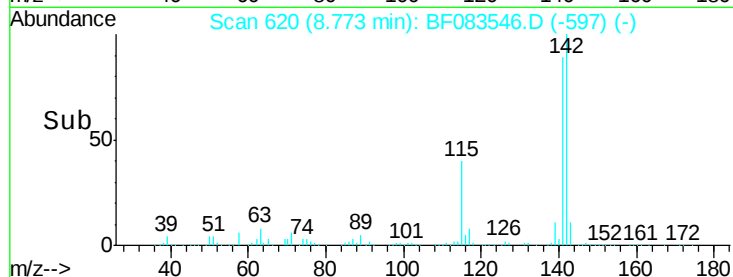
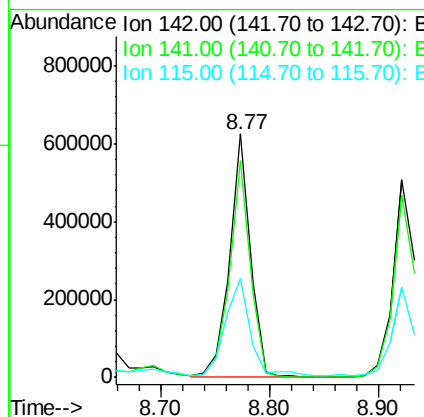
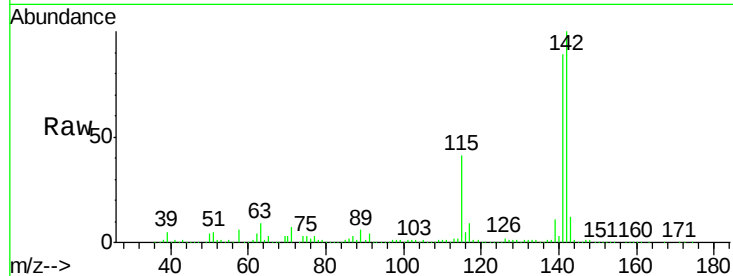
#37
2-Methylnaphthalene
Concen: 44.59 ng
RT: 8.77 min Scan# 620
Delta R.T. -0.03 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5
115	40.7	29.2	43.8

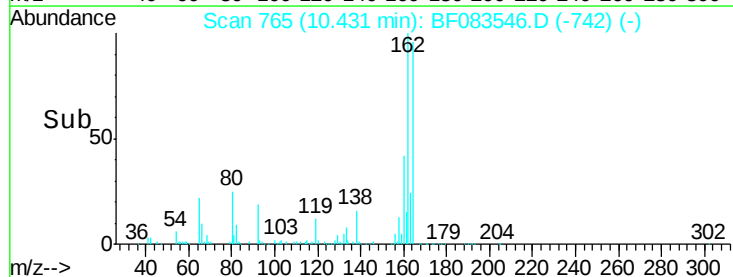
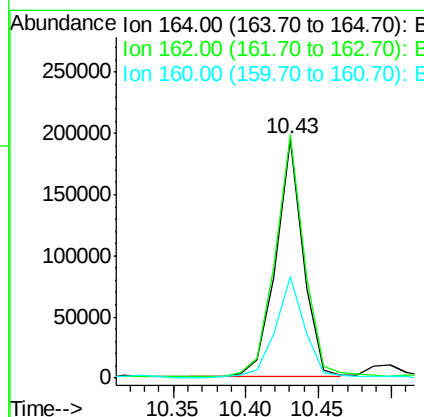
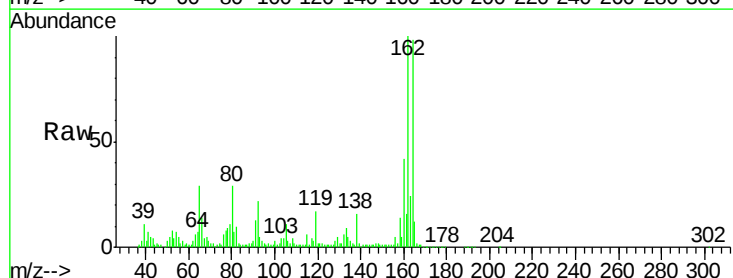
Manual Integrations
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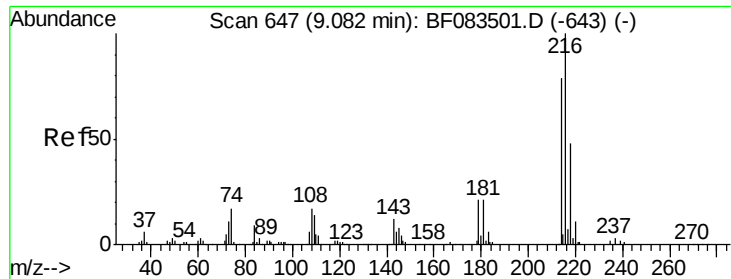
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12/7/2015 6:33:36 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.43 min Scan# 765
Delta R.T. -0.03 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	78.8	118.2
160	42.5	33.4	50.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.69 ng

RT: 9.05 min Scan# 644

Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

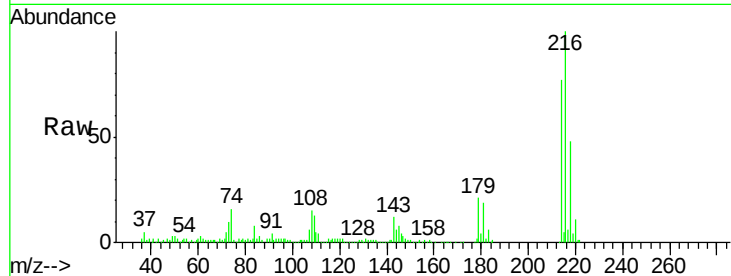
ClientSampleId :

K204-0-2MSD

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	77.0	0.0	0.0#
179	21.7	0.0	0.0#
108	18.8	0.0	0.0#

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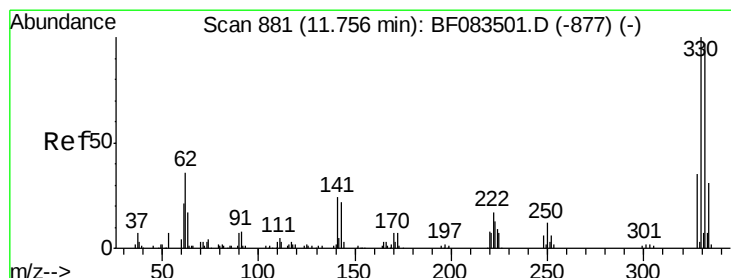
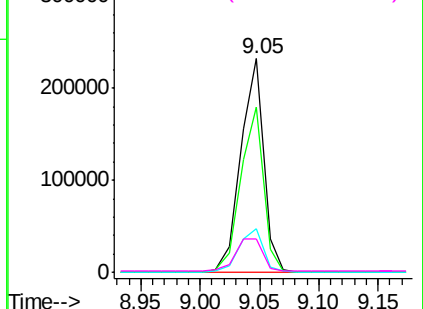
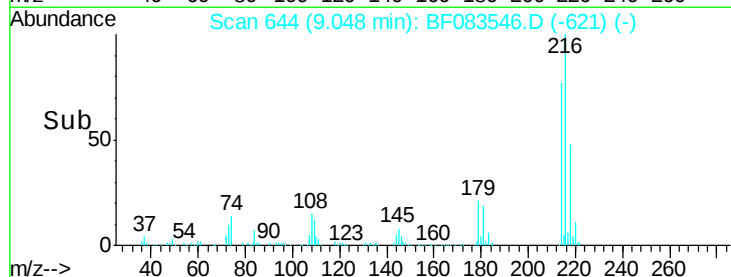


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#41

2,4,6-Tribromophenol

Concen: 98.30 ng

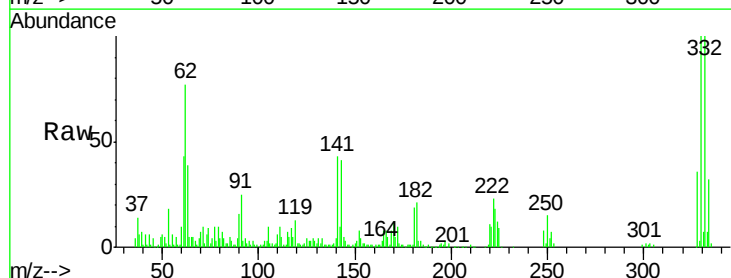
RT: 11.72 min Scan# 878

Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

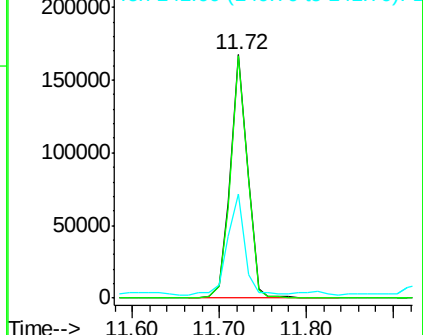
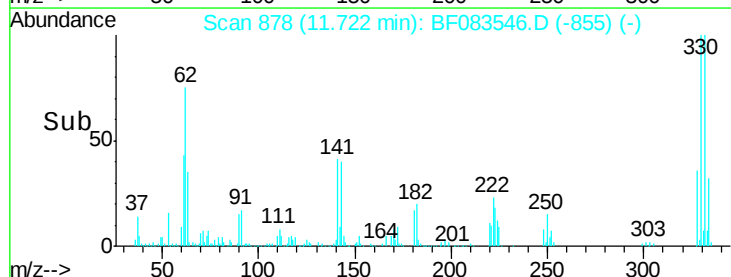
Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	98.1	0.0	0.0#
141	41.4	0.0	0.0#

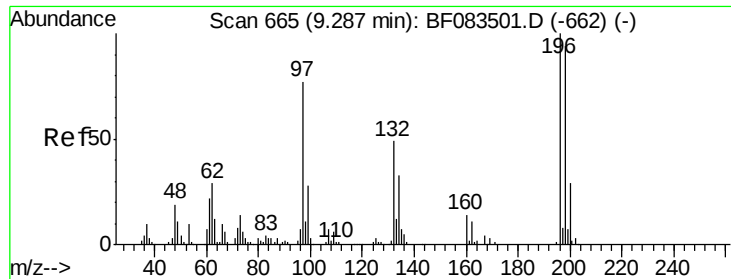


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 39.65 ng

RT: 9.26 min Scan# 663

Delta R.T. -0.02 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

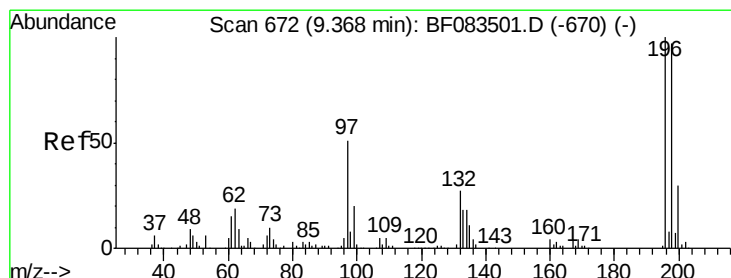
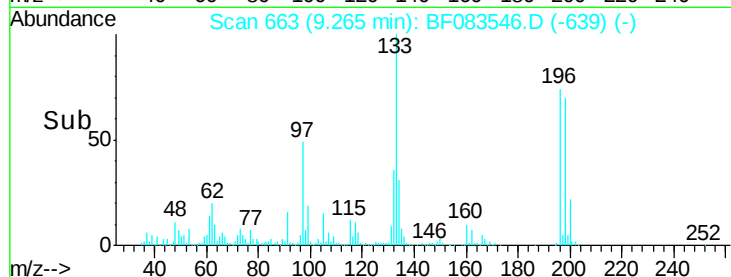
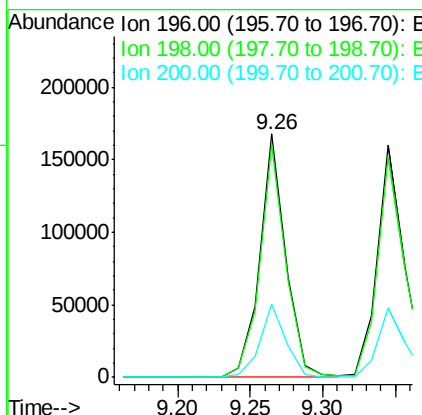
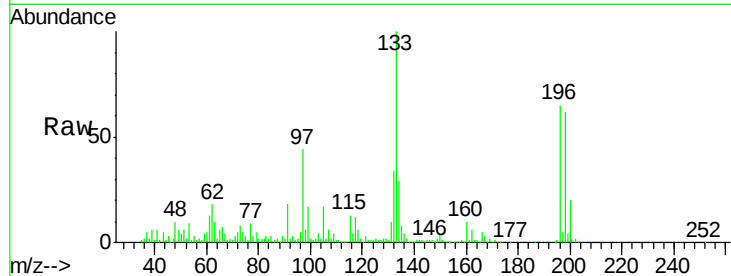
ClientSampleId :

K204-0-2MSD

Tot Ion:	196	Resp:	207508
Ion Ratio	Lower	Upper	
196	100		
198	95.1	75.2	112.8
200	30.2	23.0	34.6

Manual Integrations
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12/7/2015 6:33:36 PM



#43

2,4,5-Trichlorophenol

Concen: 39.70 ng

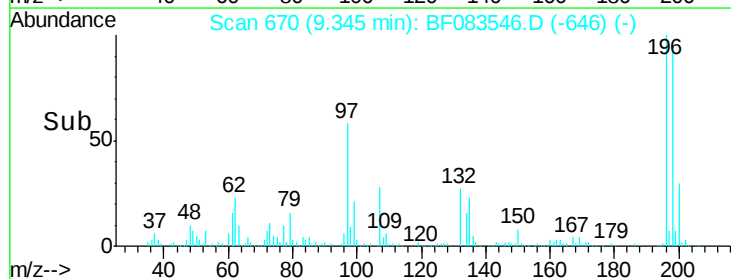
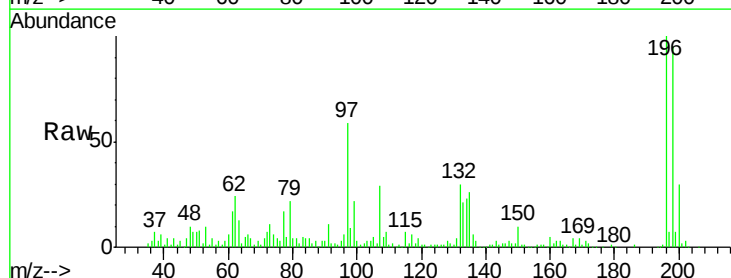
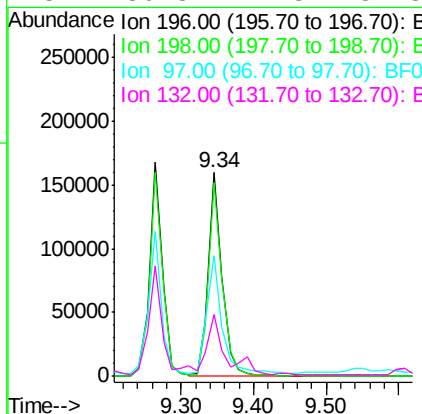
RT: 9.34 min Scan# 670

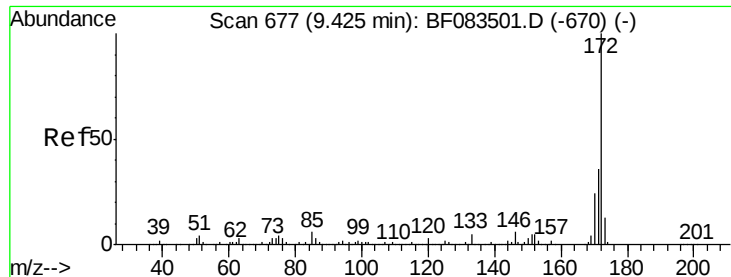
Delta R.T. -0.02 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Tgt Ion:	196	Resp:	214018
Ion Ratio	Lower	Upper	
196	100		
198	95.3	77.7	116.5
97	59.1	41.2	61.8
132	30.3	21.8	32.8





#44

2-Fluorobiphenyl

Concen: 72.09 ng

RT: 9.39 min Scan# 674

Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

ClientSampleId :

K204-0-2MSD

Tot Ion:172 Resp: 1347327

Ion Ratio Lower Upper

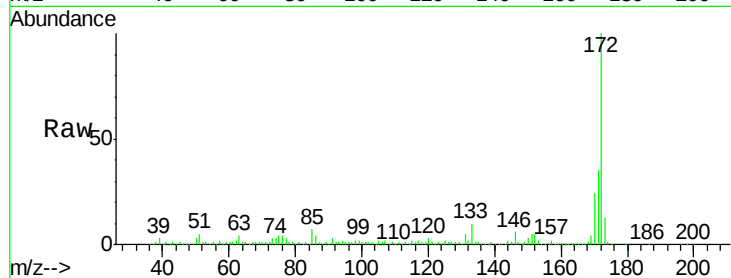
172 100

171 35.2 28.6 42.8

170 23.8 19.4 29.0

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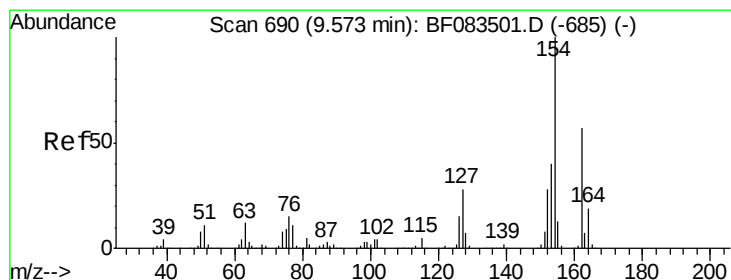
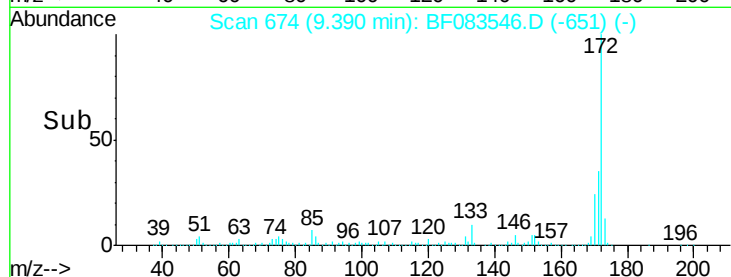
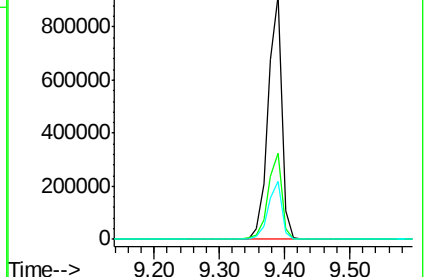
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 36.65 ng

RT: 9.54 min Scan# 687

Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

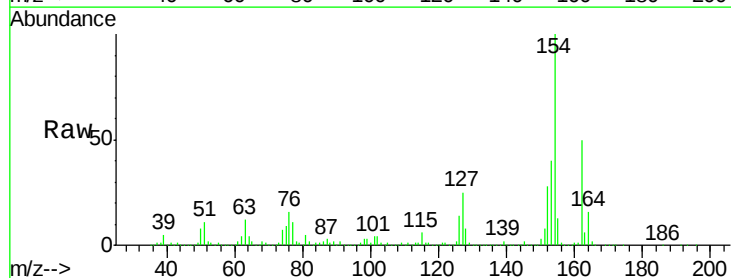
Tgt Ion:154 Resp: 825693

Ion Ratio Lower Upper

154 100

153 39.7 20.2 60.2

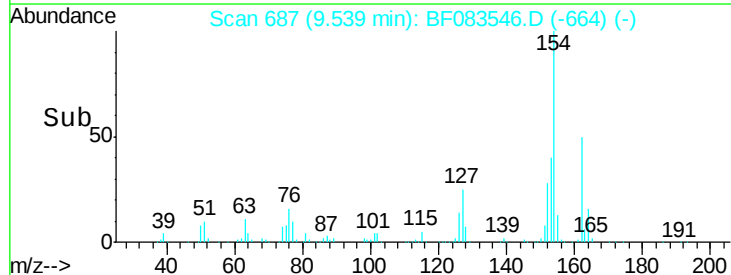
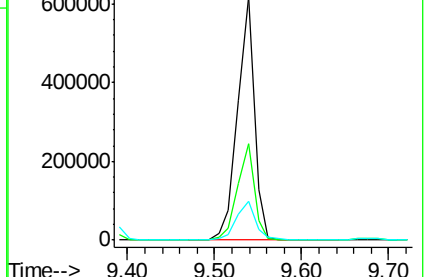
76 15.9 0.0 34.8

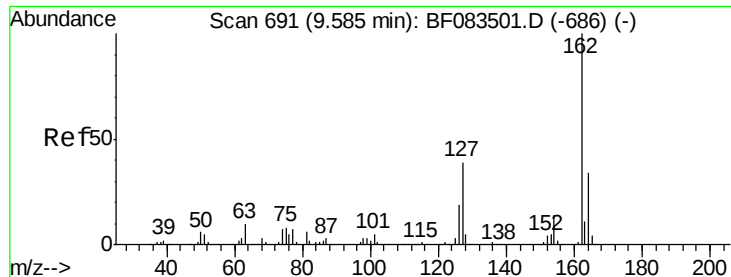


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





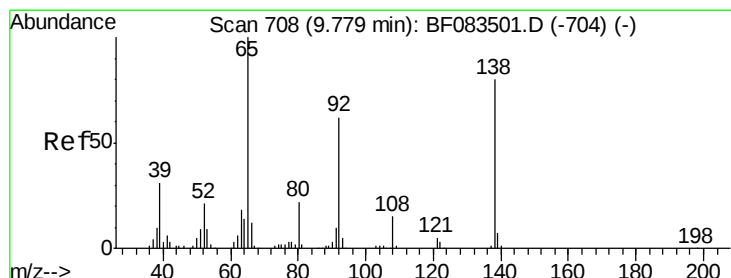
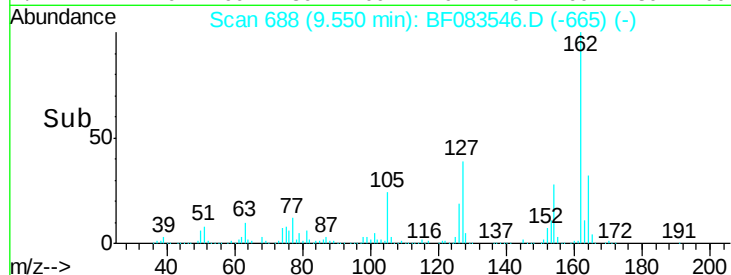
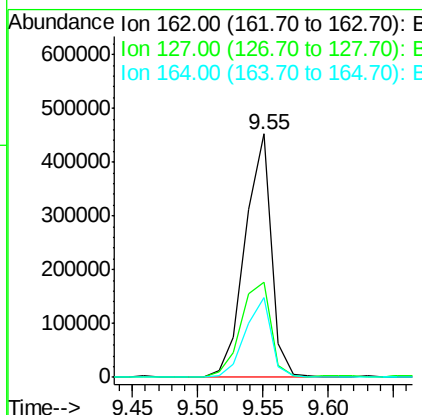
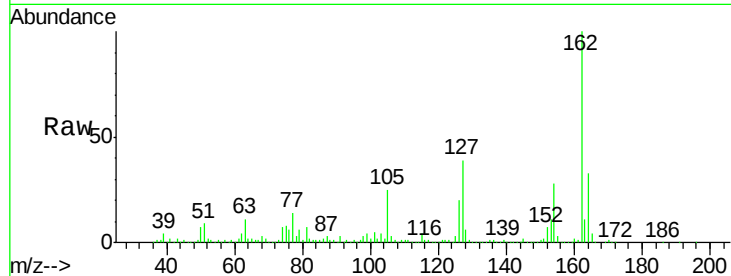
#46
2-Chloronaphthalene
Concen: 37.18 ng
RT: 9.55 min Scan# 688
Delta R.T. -0.03 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	631208		
127	39.2		31.0	46.4
164	32.6		27.4	41.0

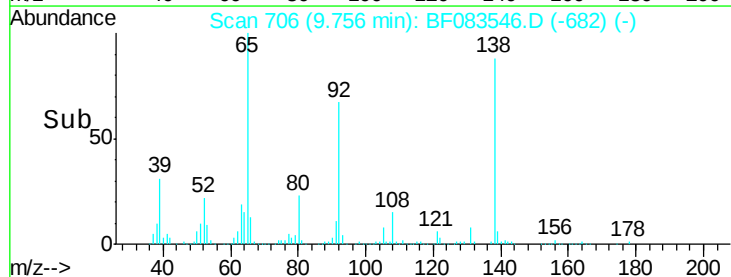
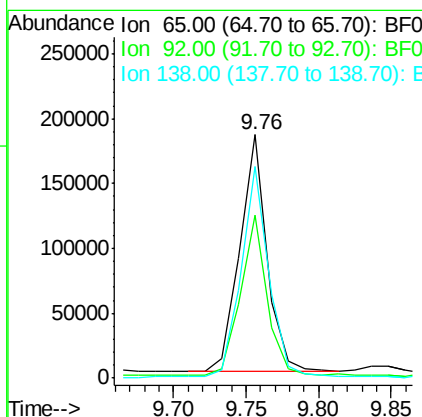
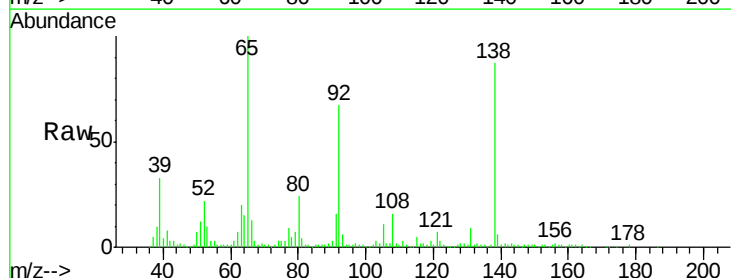
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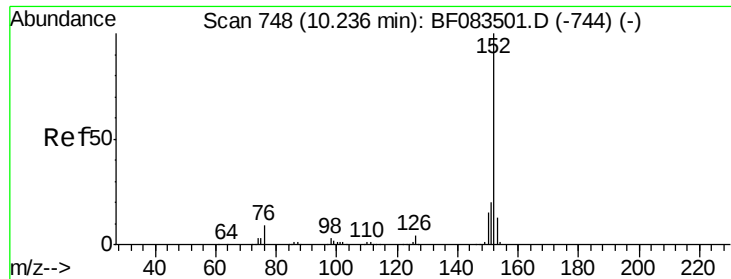
Mmdadoda
12/7/2015 6:33:36 PM



#47
2-Nitroaniline
Concen: 38.99 ng
RT: 9.76 min Scan# 706
Delta R.T. -0.02 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	235791		
92	66.7		49.6	74.4
138	86.8		64.1	96.1





#48

Acenaphthylene

Concen: 75.43 ng

RT: 10.21 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

ClientSampleId :

K204-0-2MSD

Tot Ion:152 Resp: 2096769

Ion Ratio Lower Upper

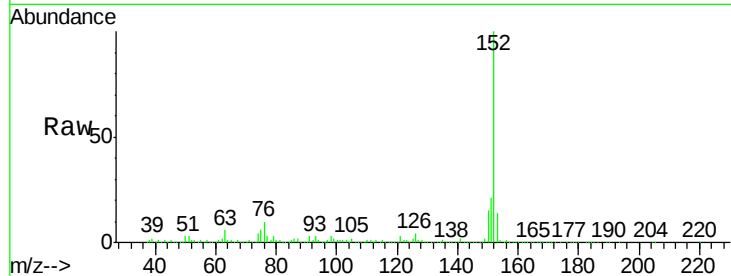
152 100

151 20.9 16.3 24.5

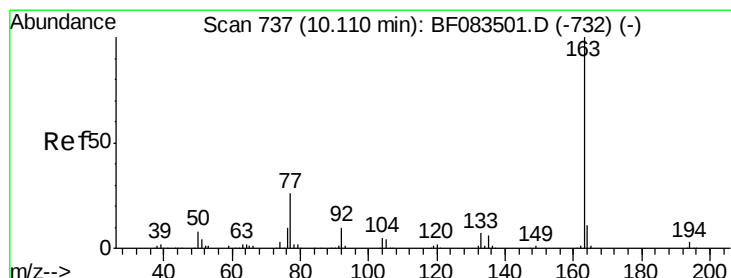
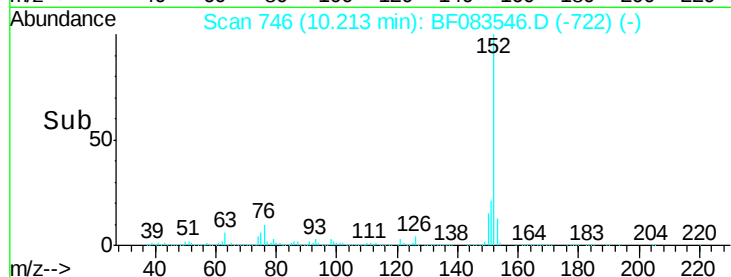
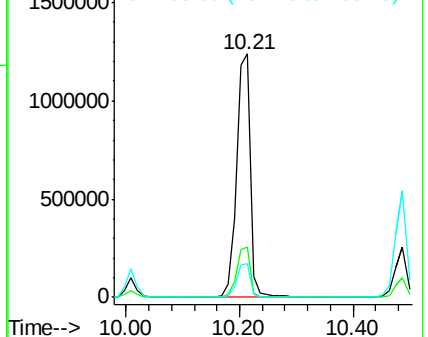
153 13.6 10.8 16.2

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



#49

Dimethylphthalate

Concen: 61.53 ng

RT: 10.09 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

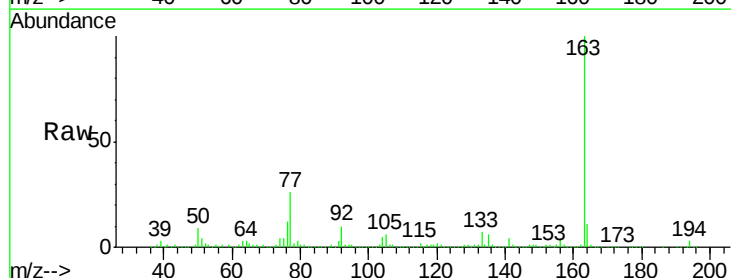
Tgt Ion:163 Resp: 1227732

Ion Ratio Lower Upper

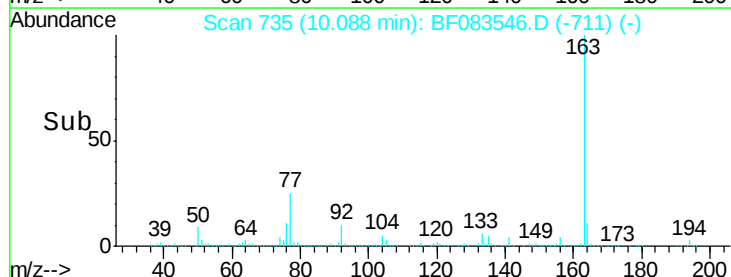
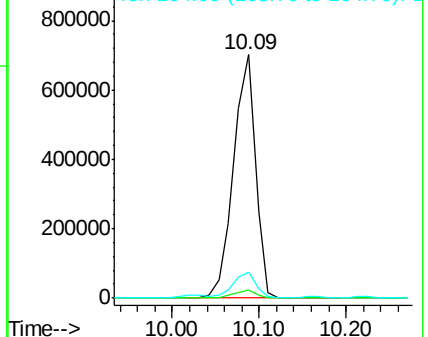
163 100

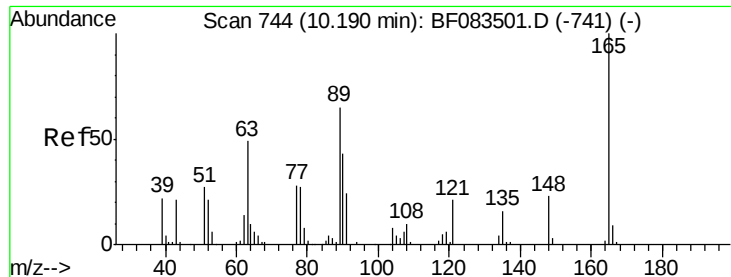
194 3.5 2.8 4.2

164 10.9 8.6 13.0



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





#50

2,6-Dinitrotoluene

Concen: 34.02 ng

RT: 10.17 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

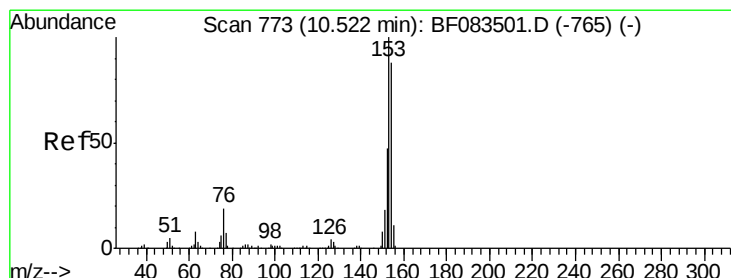
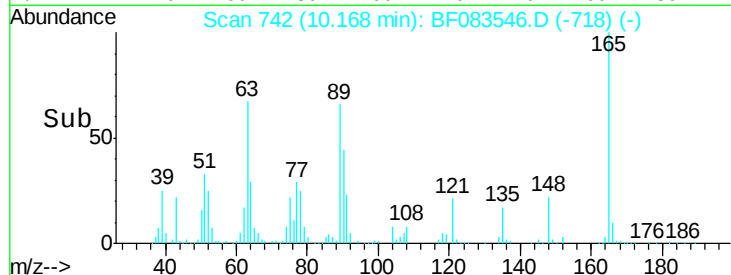
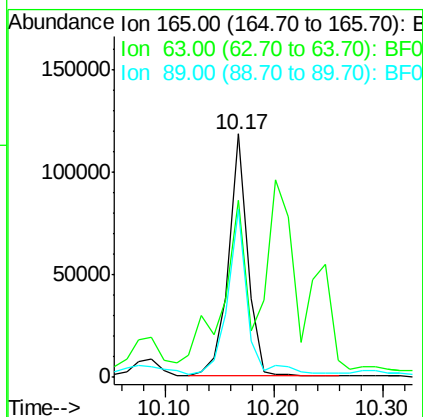
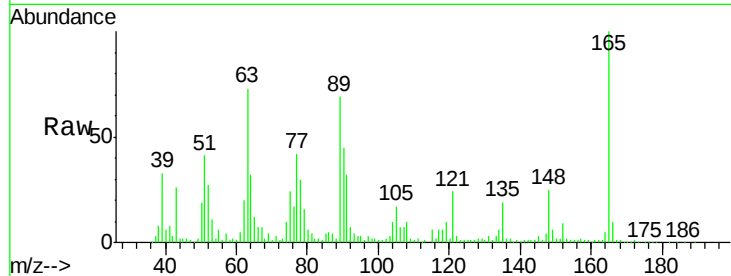
ClientSampleId :

K204-0-2MSD

Tot Ion:	165	Resp:	142930
Ion Ratio	Lower	Upper	
165	100		
63	72.7	56.9	85.3
89	68.9	52.1	78.1

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#51

Acenaphthene

Concen: 38.90 ng

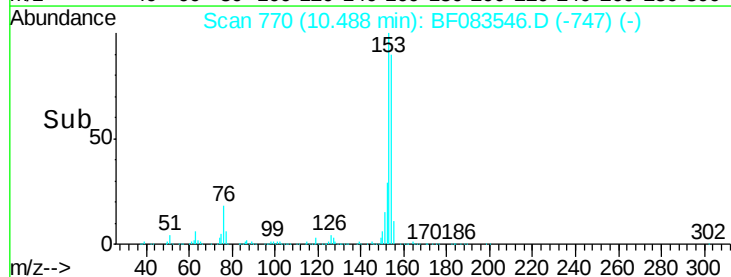
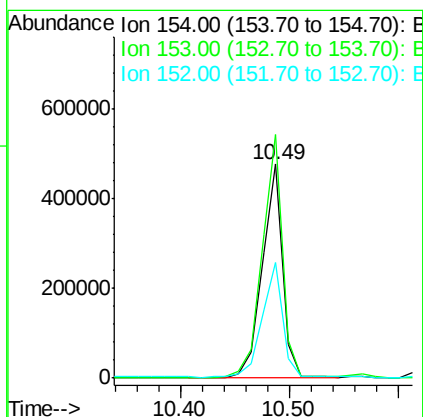
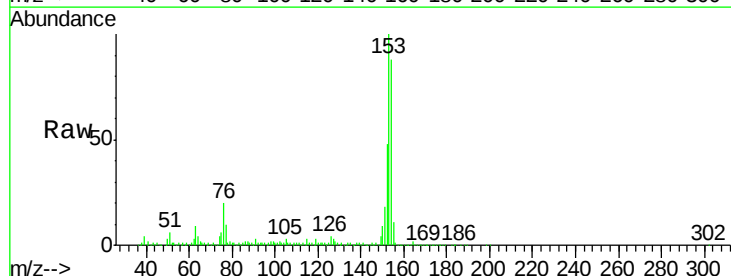
RT: 10.49 min Scan# 770

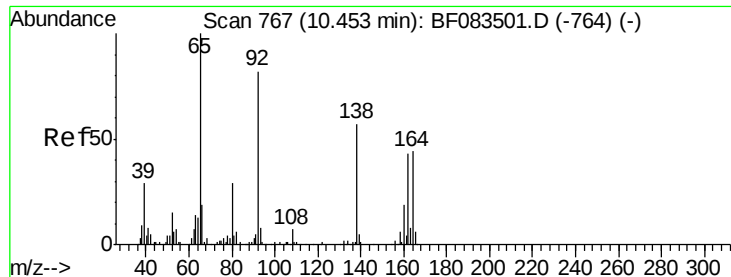
Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Tgt Ion:	154	Resp:	622292
Ion Ratio	Lower	Upper	
154	100		
153	113.7	91.4	137.0
152	54.2	43.4	65.2





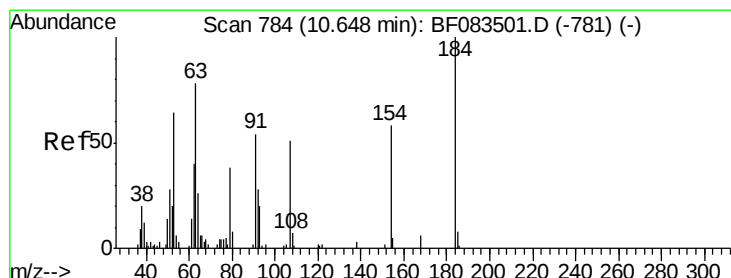
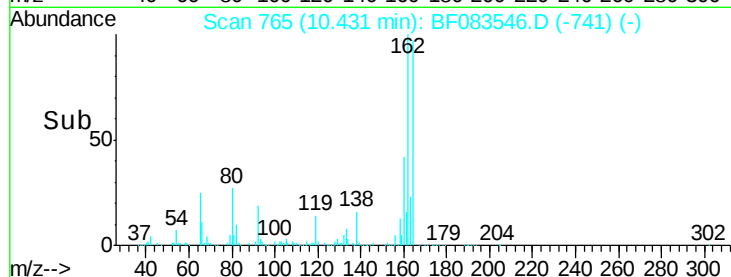
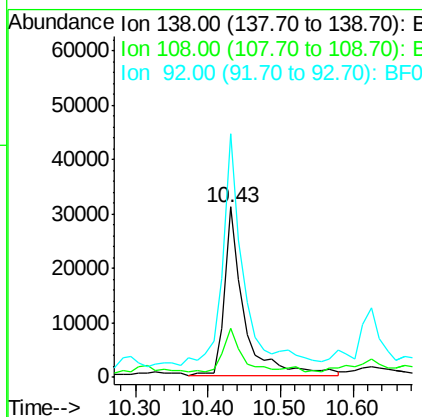
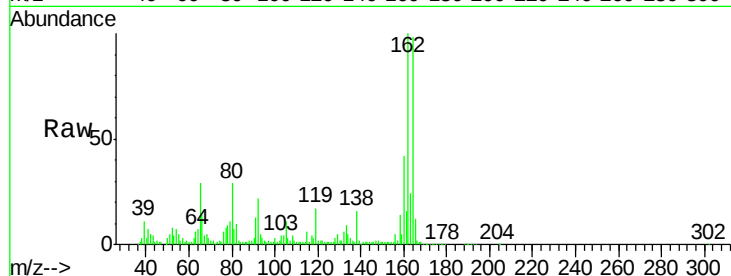
#52
 3-Nitroaniline
 Concen: 12.64 ng
 RT: 10.43 min Scan# 765
 Delta R.T. -0.02 min
 Lab File: BF083546.D
 Acq: 7 Dec 2015 6:49

Instrument :
 BNA_F
 ClientSampleId :
 K204-0-2MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	28.5	9.9	14.9#
92	143.1	113.8	170.8

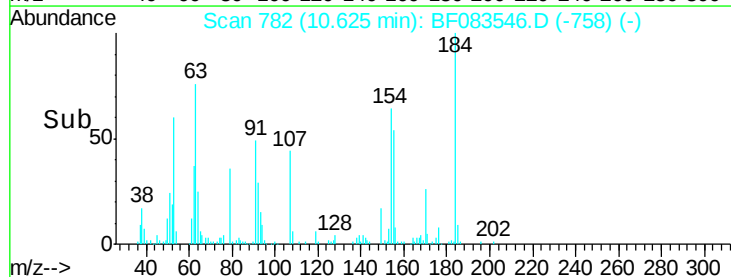
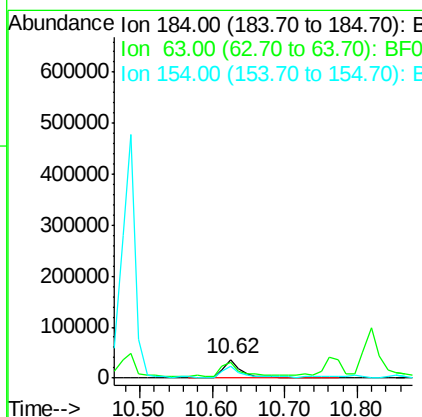
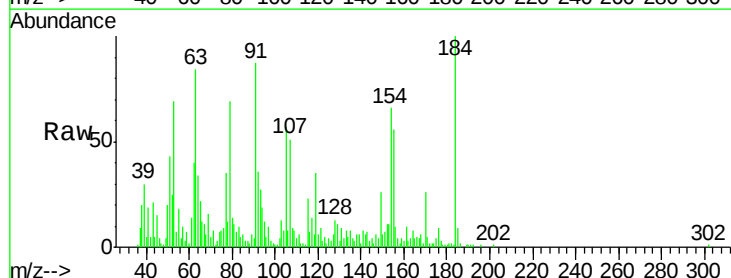
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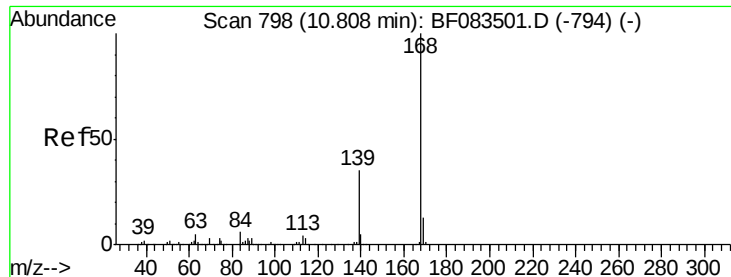
Mmdadoda
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#53
 2,4-Dinitrophenol
 Concen: 35.61 ng
 RT: 10.62 min Scan# 782
 Delta R.T. -0.02 min
 Lab File: BF083546.D
 Acq: 7 Dec 2015 6:49

Tgt Ion	Ratio	Lower	Upper
184	100		
63	84.3	62.4	93.6
154	66.2	46.6	69.8





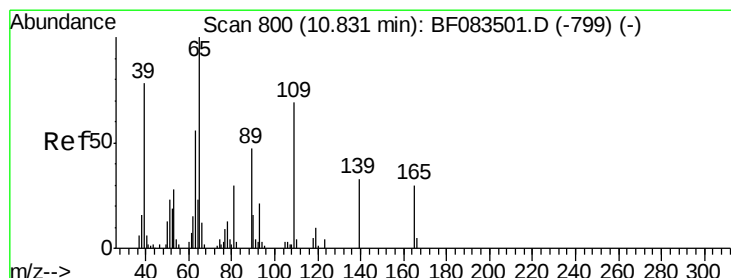
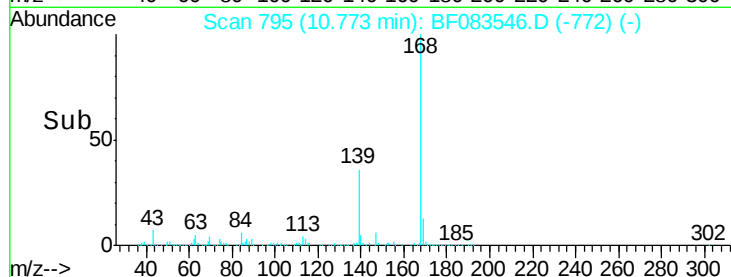
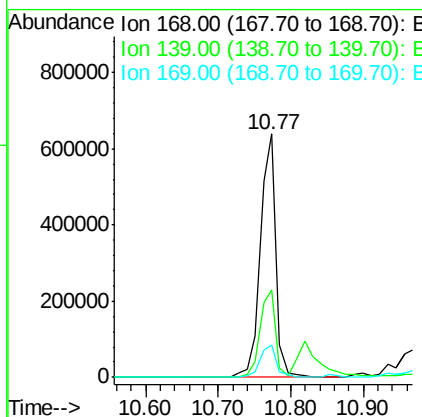
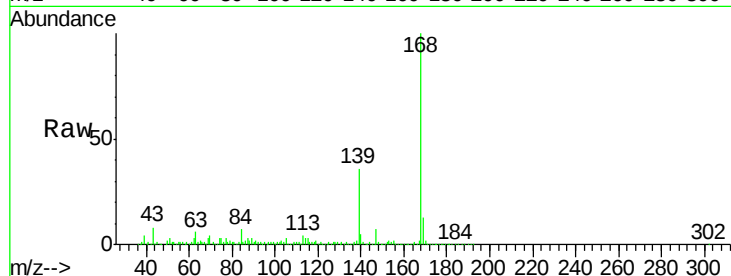
#54
Dibenzofuran
Concen: 43.43 ng
RT: 10.77 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	35.7	28.0	42.0	
169	13.4	10.8	16.2	

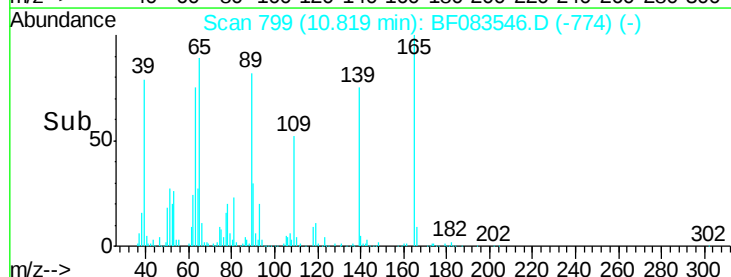
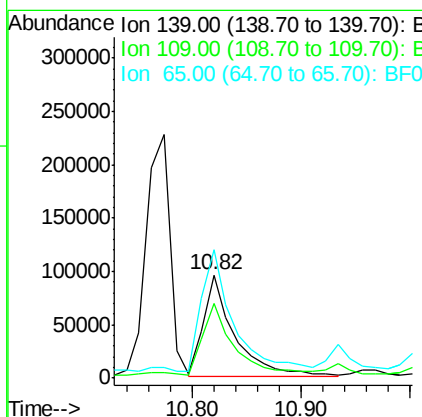
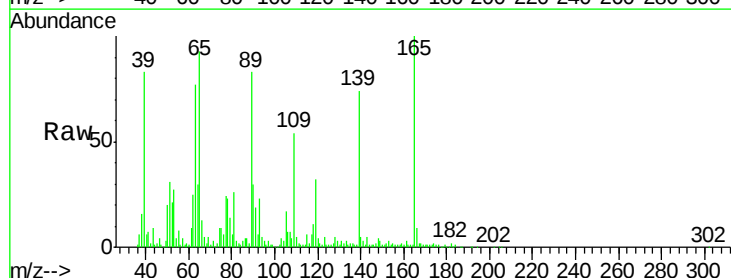
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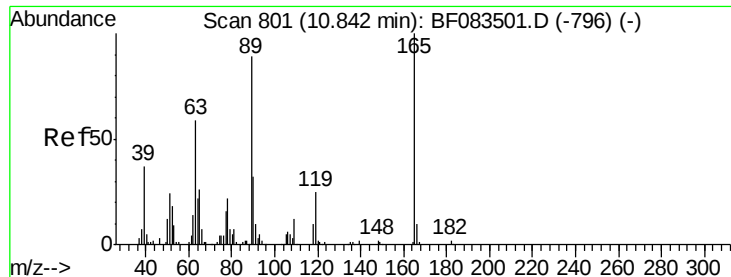
Mmdadoda
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#55
4-Nitrophenol
Concen: 75.15 ng
RT: 10.82 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	72.4	42.0	82.0	
65	125.0	89.2	129.2	





#56

2,4-Dinitrotoluene

Concen: 33.18 ng

RT: 10.82 min Scan# 799

Delta R.T. -0.02 min

Lab File: BF083546.D

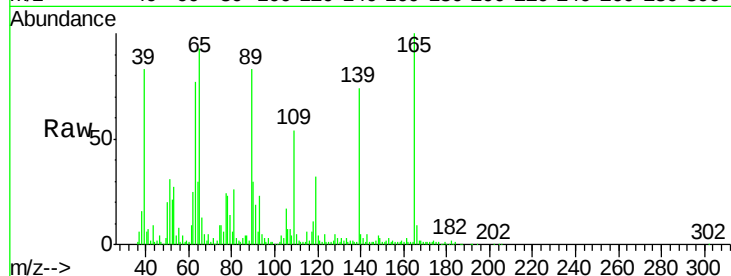
Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

ClientSampleId :

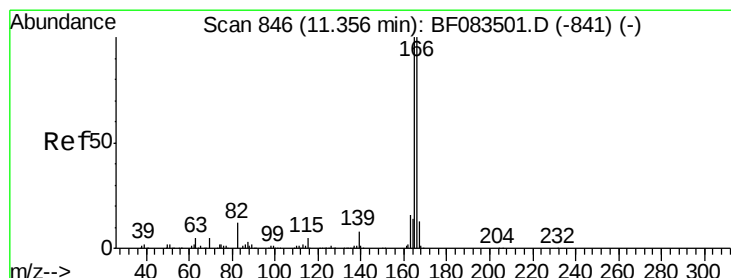
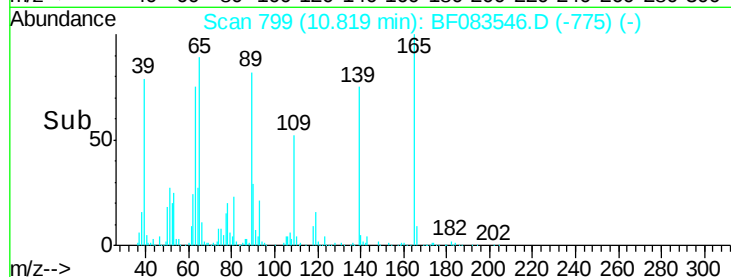
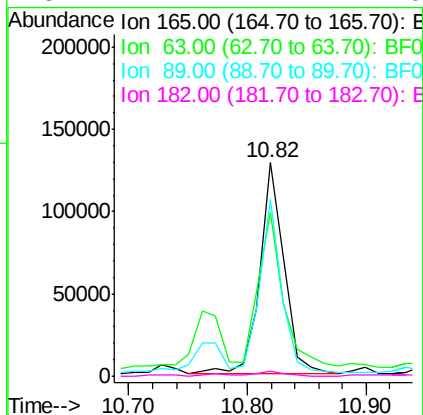
K204-0-2MSD



Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		182045		
63	77.0	51.4	77.2		
89	82.7	72.6	108.8		
182	2.4	1.4	2.0#		

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#57

Fluorene

Concen: 41.86 ng m

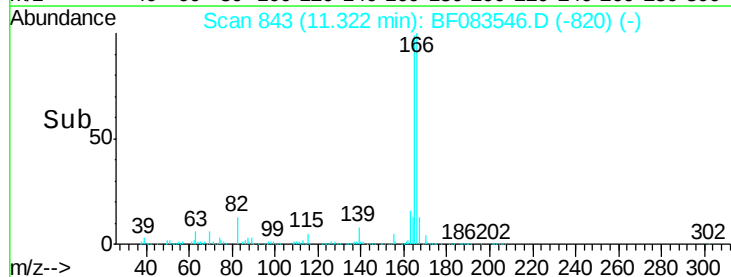
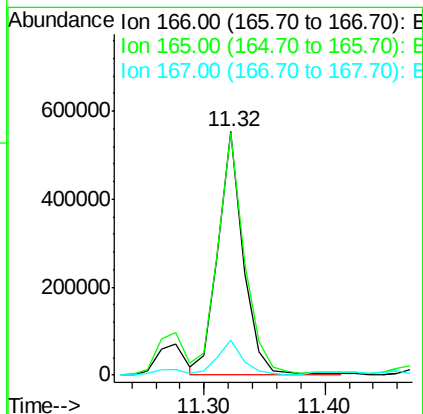
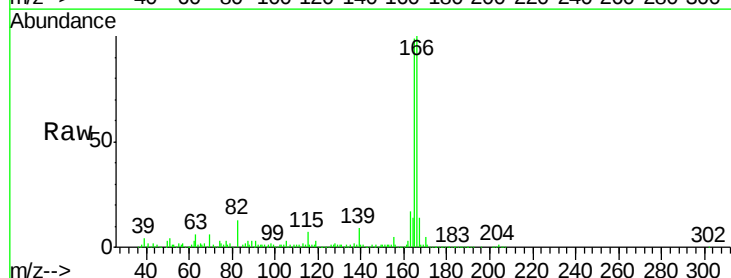
RT: 11.32 min Scan# 843

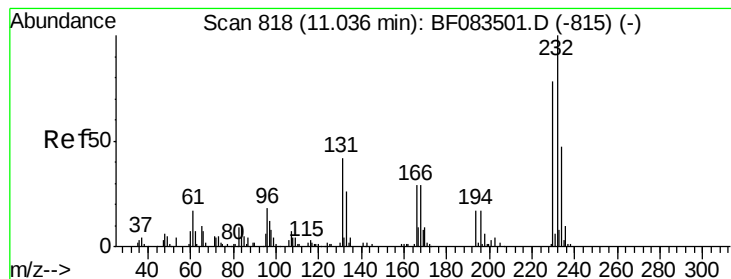
Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		806957		
165	99.4	80.0	120.0		
167	14.1	10.6	16.0		





#58

2,3,4,6-Tetrachlorophenol

Concen: 40.22 ng

RT: 11.00 min Scan# 815

Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

ClientSampleId :

K204-0-2MSD

Tot Ion:232 Resp: 162195
Ion Ratio Lower Upper

232 100

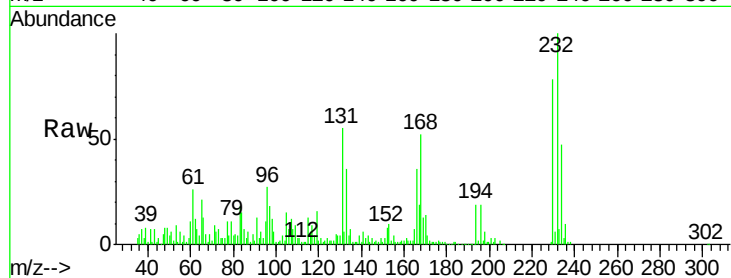
131 48.4 0.0 0.0#

130 3.3 0.0 0.0#

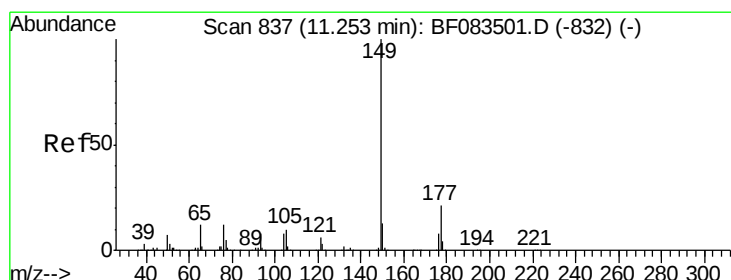
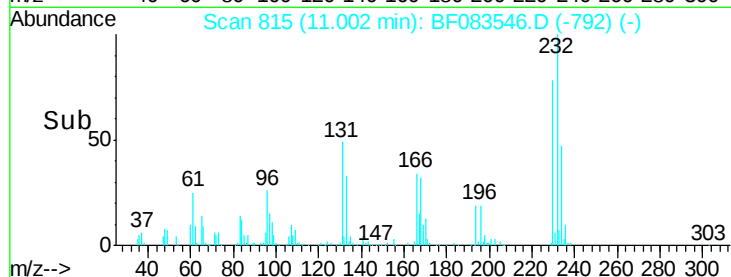
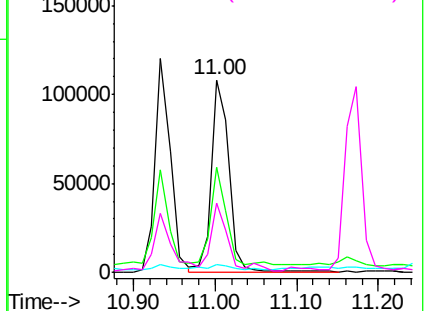
166 30.2 0.0 0.0#

Manual Integrations
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Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E



#59

Diethylphthalate

Concen: 38.15 ng

RT: 11.23 min Scan# 835

Delta R.T. -0.02 min

Lab File: BF083546.D

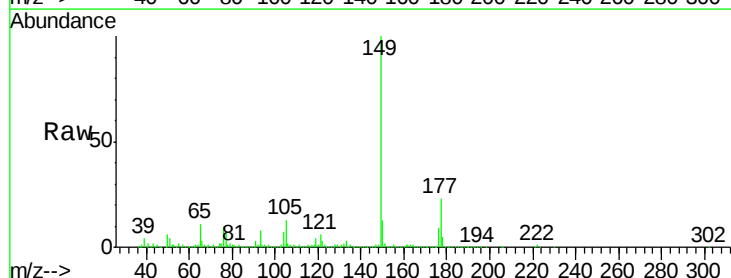
Acq: 7 Dec 2015 6:49

Tgt Ion:149 Resp: 732432
Ion Ratio Lower Upper

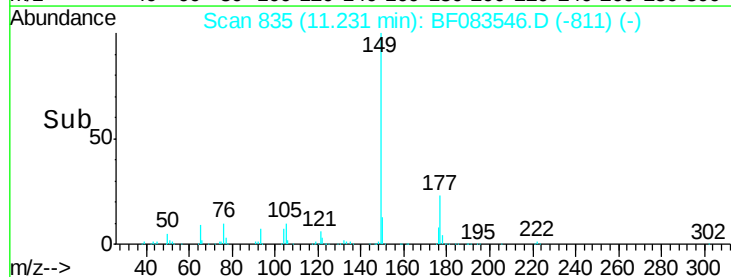
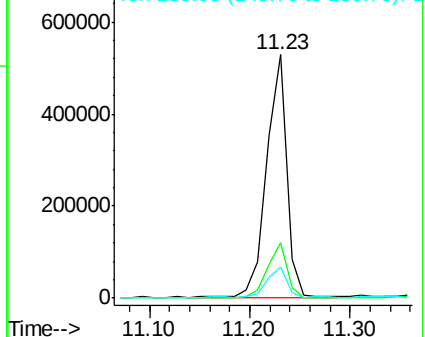
149 100

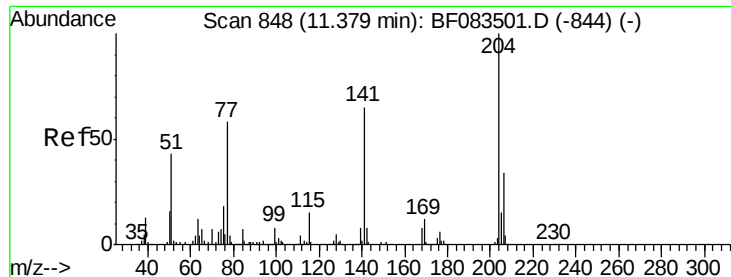
177 22.7 16.9 25.3

150 12.9 10.2 15.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





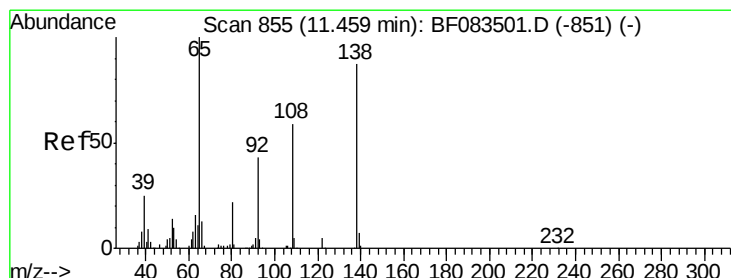
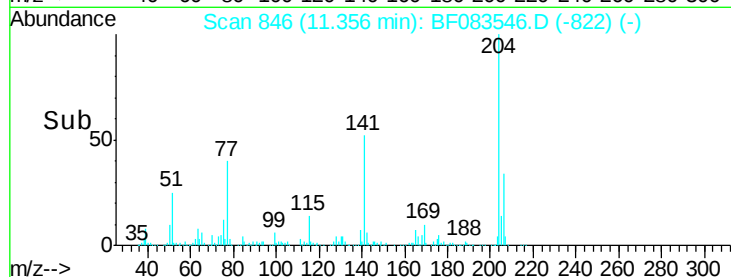
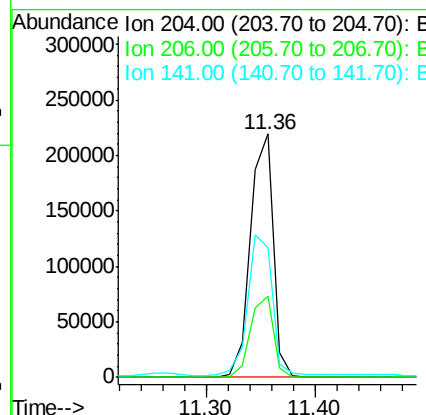
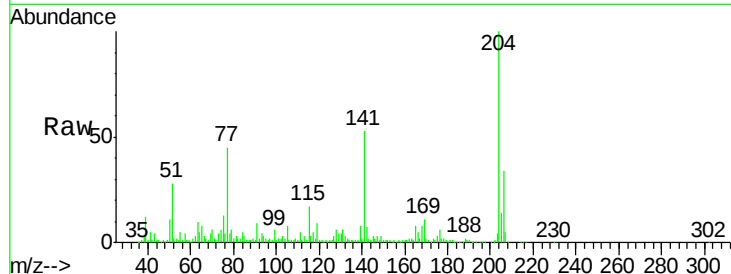
#60
4-Chlorophenyl-phenylether
Concen: 34.72 ng
RT: 11.36 min Scan# 846
Delta R.T. -0.02 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
204	100			
206	33.6	27.3	40.9	
141	53.2	51.9	77.9	

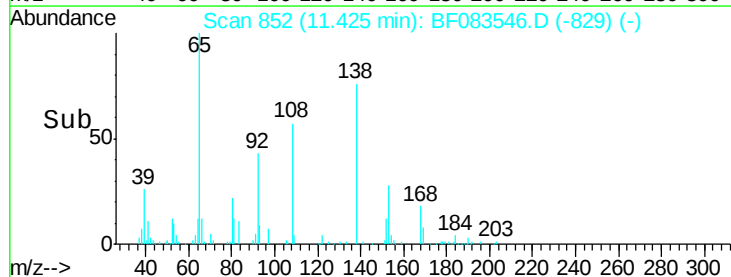
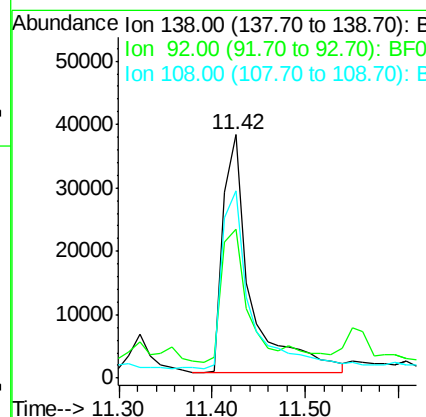
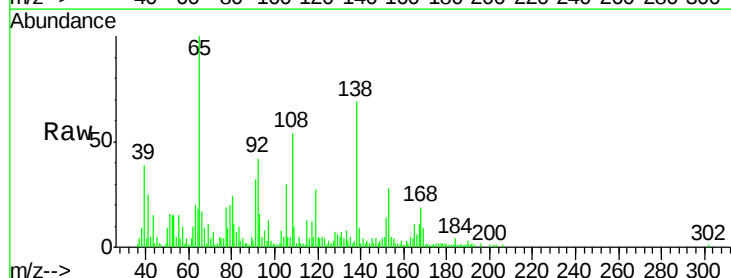
Manual Integrations
APPROVED

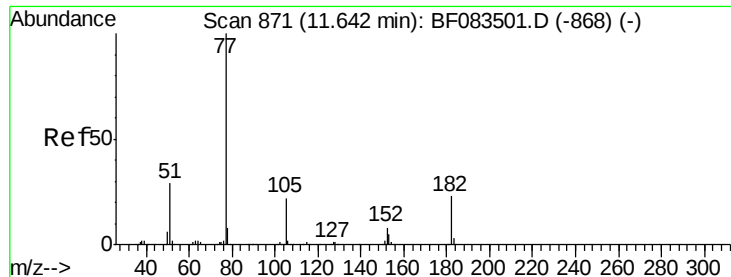
Mmdadoda
12/7/2015 6:33:36 PM



#61
4-Nitroaniline
Concen: 19.03 ng
RT: 11.42 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion	Ratio	Resp	Lower	Upper
138	100			
92	61.2	29.0	69.0	
108	77.1	47.4	87.4	





#62

Azobenzene

Concen: 12.62 ng

RT: 11.61 min Scan# 868

Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

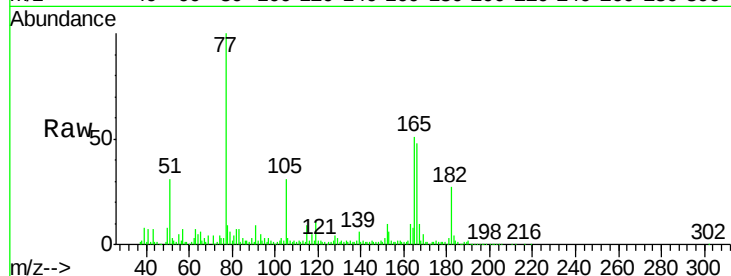
ClientSampleId :

K204-0-2MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		258601		
182	27.4	2.5	42.5		
105	30.7	2.1	42.1		
51	30.9	9.3	49.3		

Manual Integrations
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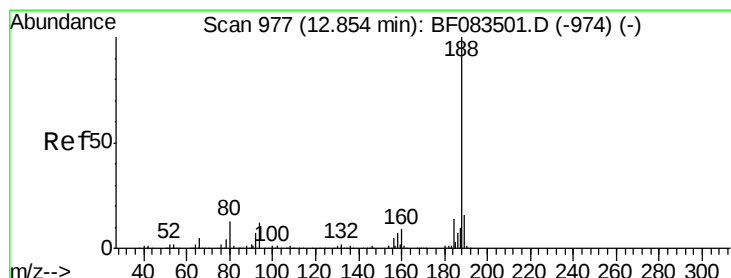
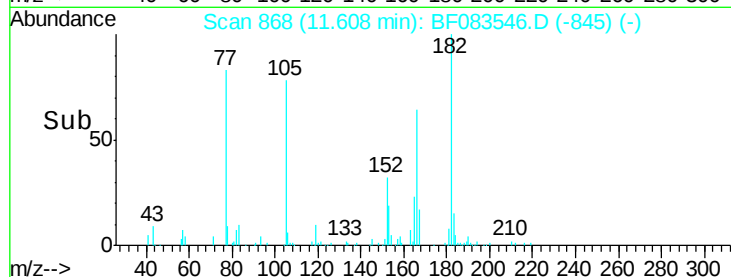
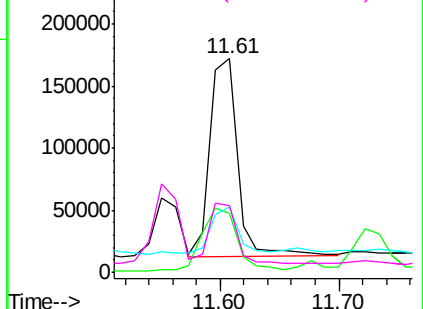


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

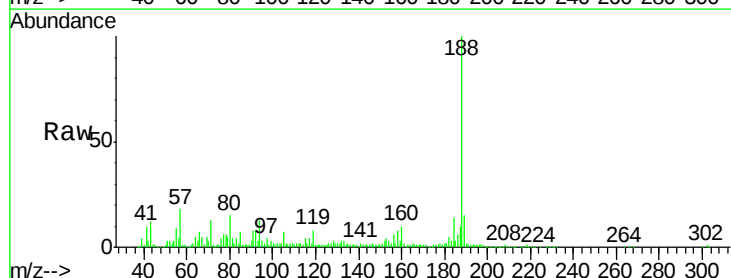
RT: 12.82 min Scan# 974

Delta R.T. -0.03 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

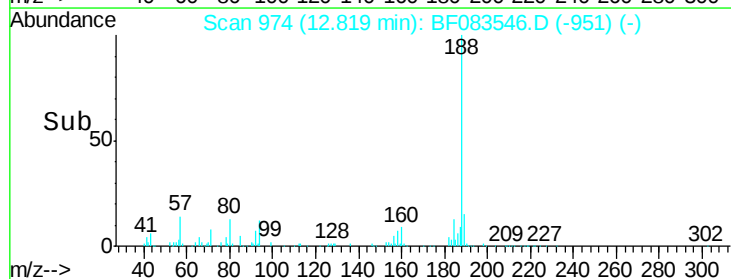
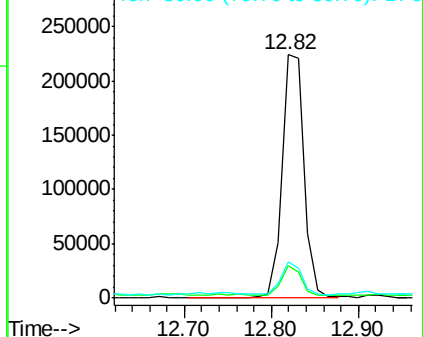
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		387825		
94	13.2	9.4	14.2		
80	15.0	10.6	16.0		

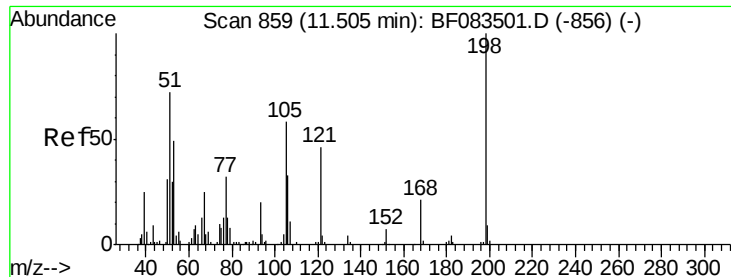


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 20.39 ng

RT: 11.48 min Scan# 857

Delta R.T. -0.02 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

ClientSampleId :

K204-0-2MSD

Tot Ion:198 Resp: 47720

Ion Ratio Lower Upper

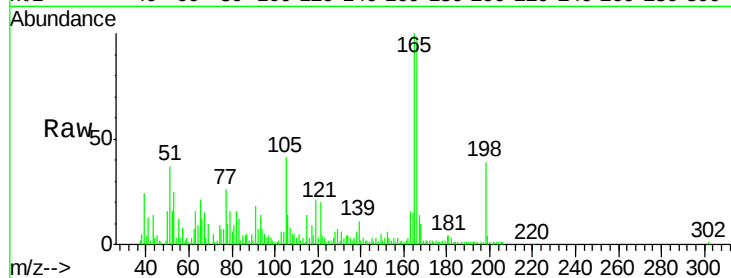
198 100

51 94.1 53.8 93.8#

105 105.5 38.6 78.6#

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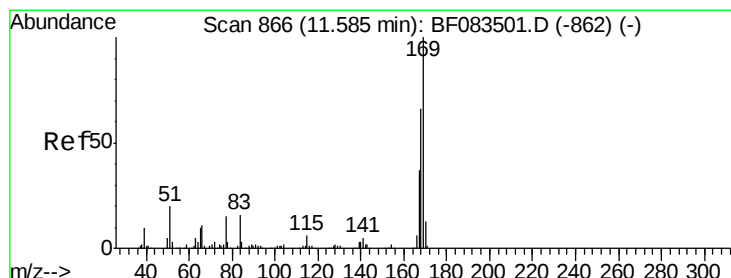
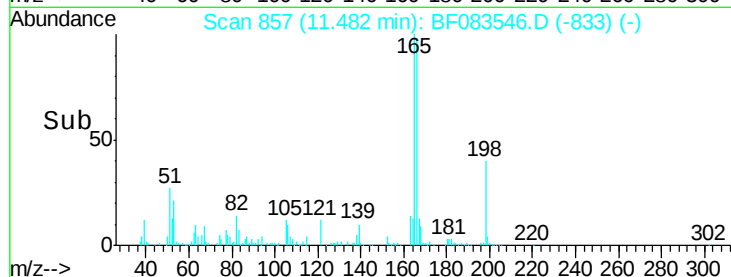
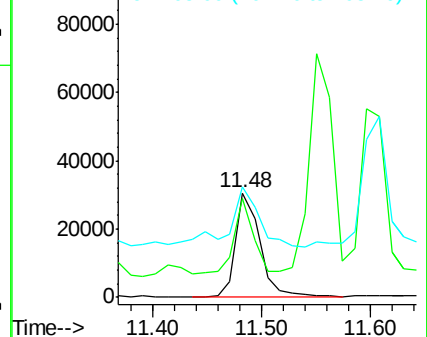
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 44.69 ng

RT: 11.56 min Scan# 864

Delta R.T. -0.02 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

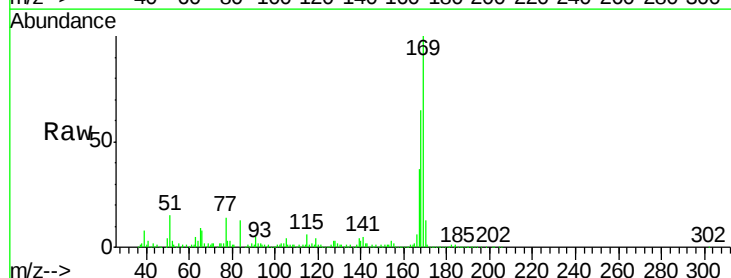
Tgt Ion:169 Resp: 573768

Ion Ratio Lower Upper

169 100

168 65.4 53.0 79.6

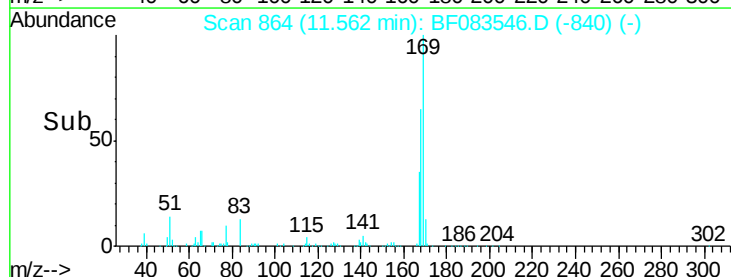
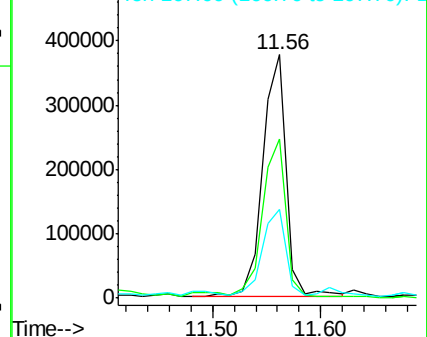
167 36.6 29.3 43.9

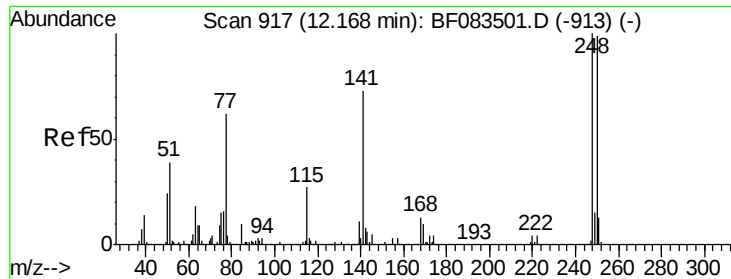


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





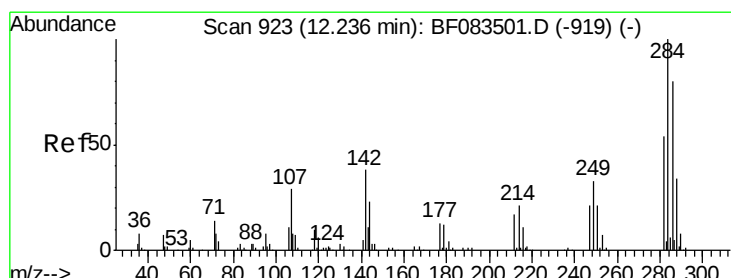
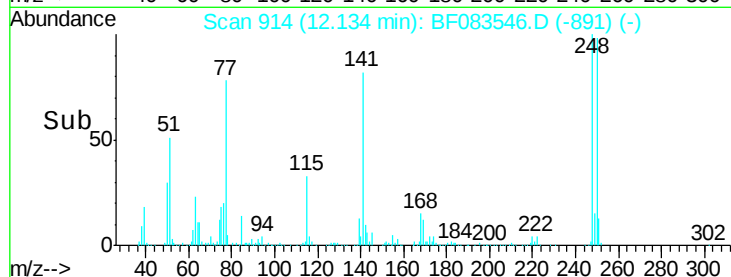
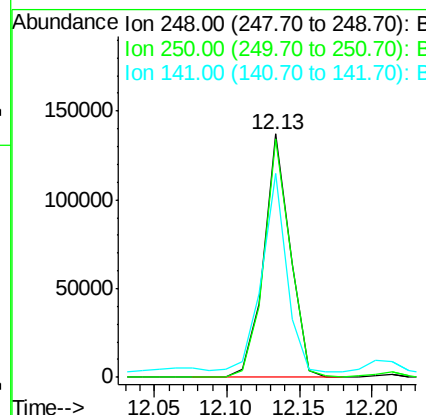
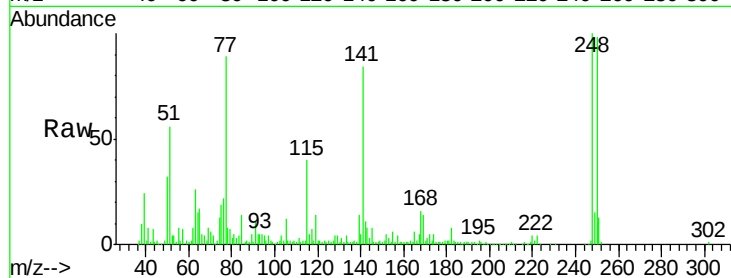
#66
4-Bromophenyl-phenylether
Concen: 40.65 ng
RT: 12.13 min Scan# 914
Delta R.T. -0.03 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.7	79.2	118.8
141	84.0	58.2	87.4

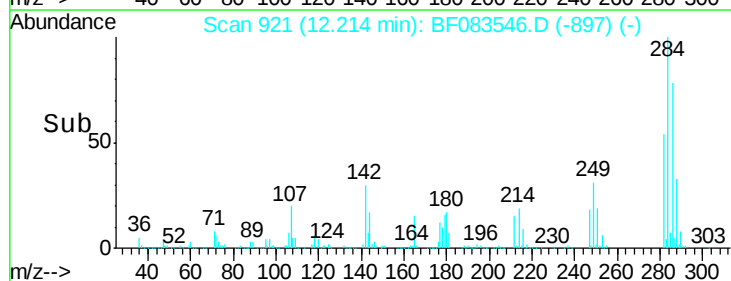
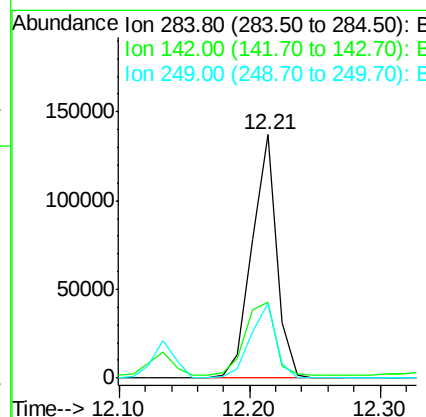
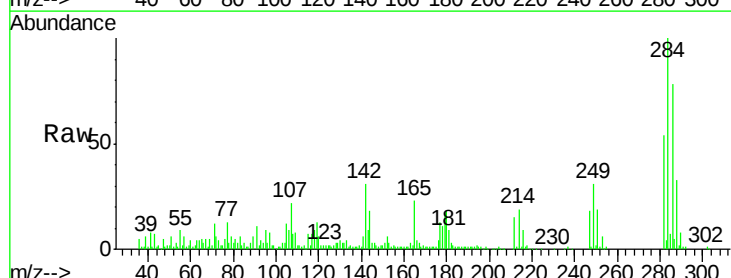
Manual Integrations
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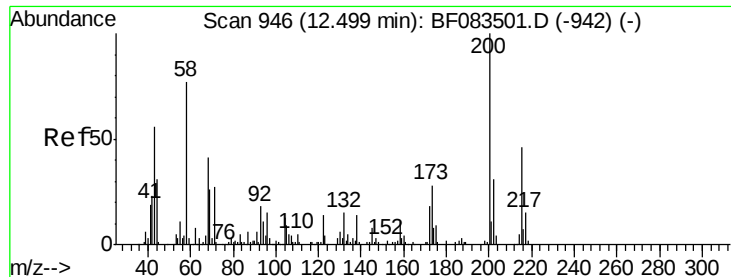
Mmdadoda
12/7/2015 6:33:36 PM



#67
Hexachlorobenzene
Concen: 39.85 ng
RT: 12.21 min Scan# 921
Delta R.T. -0.02 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.3	31.0	46.4
249	30.6	26.9	40.3





#68

Atrazine

Concen: 15.67 ng

RT: 12.48 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

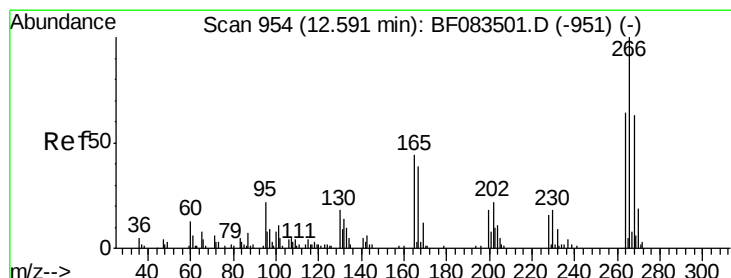
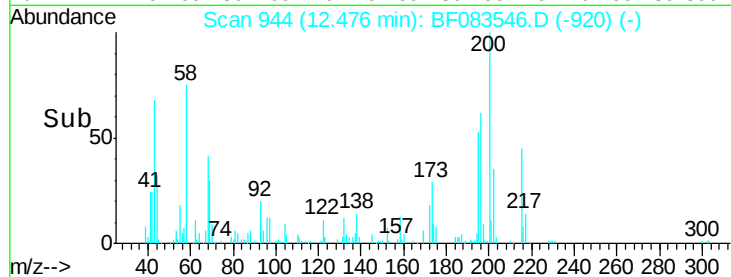
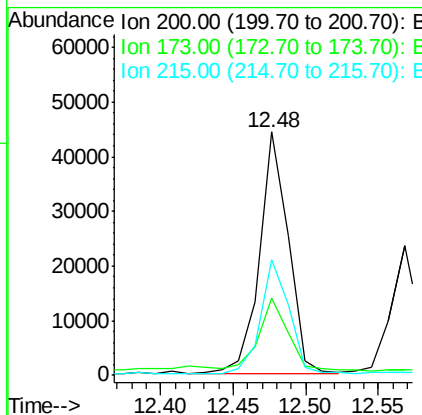
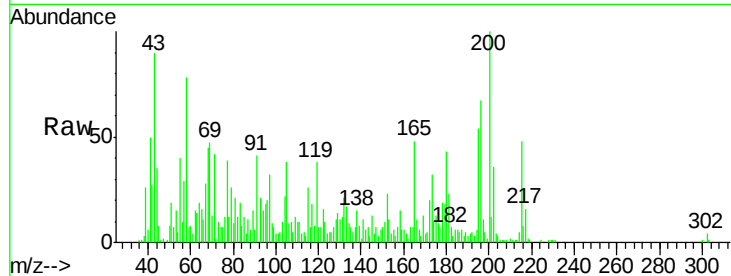
ClientSampleId :

K204-0-2MSD

Tot Ion:	200	Resp:	60833
Ion Ratio	Lower	Upper	
200	100		
173	31.5	7.8	47.8
215	47.6	25.7	65.7

Manual Integrations
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12/7/2015 6:33:36 PM



#69

Pentachlorophenol

Concen: 87.85 ng

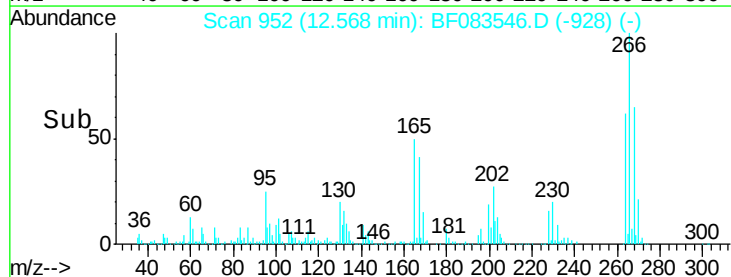
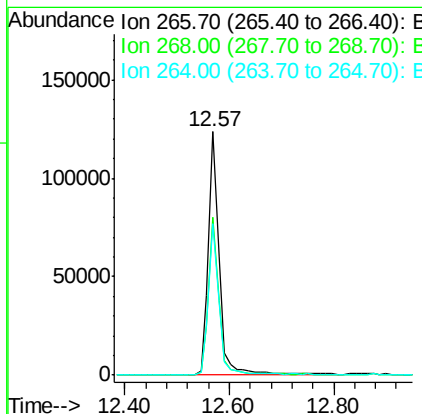
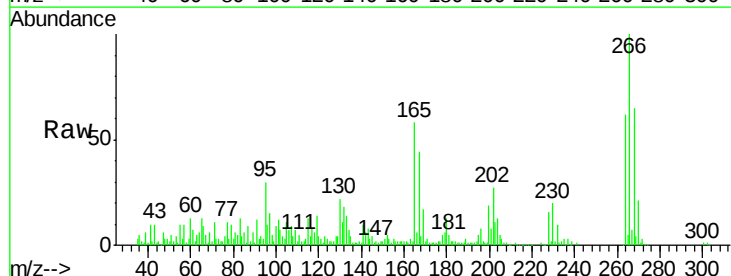
RT: 12.57 min Scan# 952

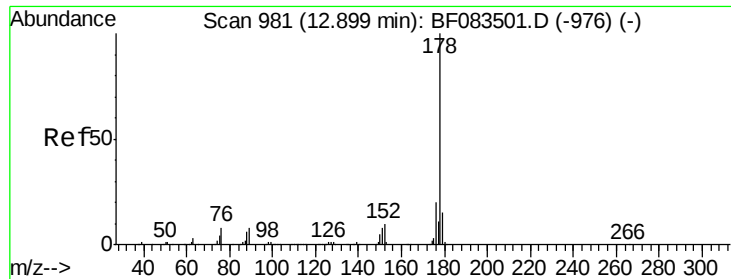
Delta R.T. -0.02 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Tgt Ion:	266	Resp:	181855
Ion Ratio	Lower	Upper	
266	100		
268	64.7	50.2	75.2
264	62.2	51.4	77.2





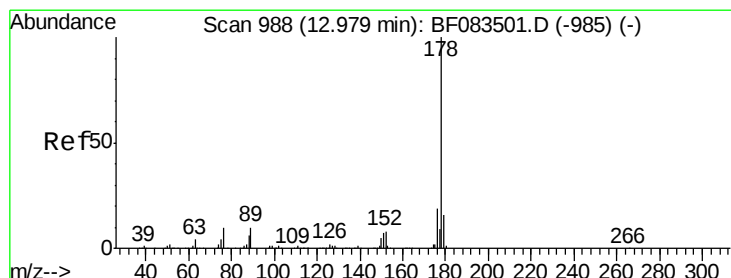
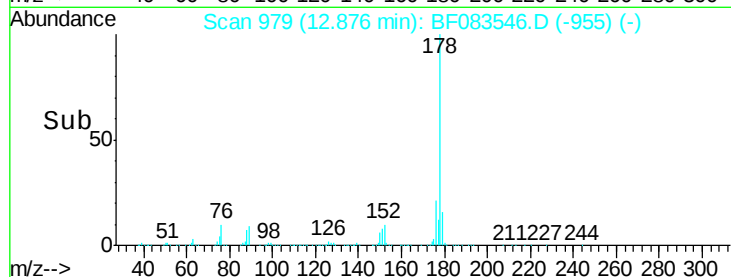
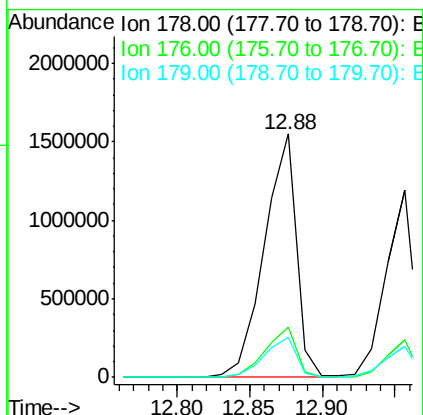
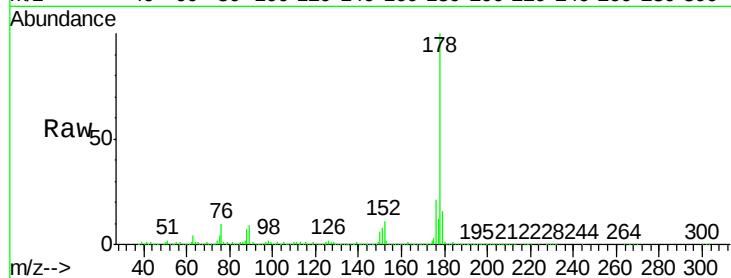
#70
Phenanthrene
Concen: 104.47 ng
RT: 12.88 min Scan# 979
Delta R.T. -0.02 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion:178 Resp: 2358411
Ion Ratio Lower Upper
178 100
176 20.7 15.7 23.5
179 16.3 12.2 18.4

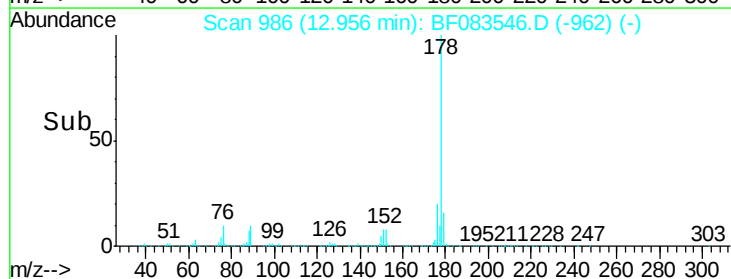
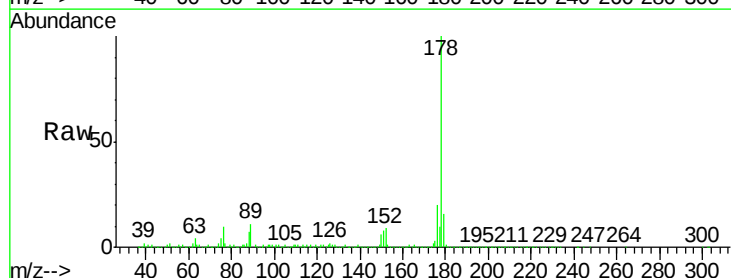
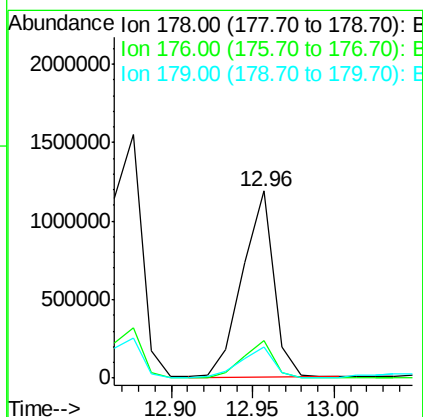
Manual Integrations
APPROVED

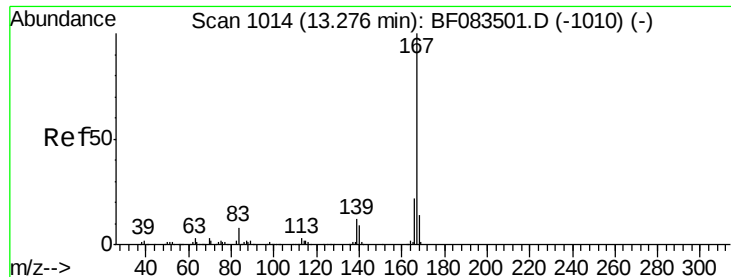
Mmdadoda
12/7/2015 6:33:36 PM



#71
Anthracene
Concen: 68.96 ng
RT: 12.96 min Scan# 986
Delta R.T. -0.02 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion:178 Resp: 1587737
Ion Ratio Lower Upper
178 100
176 20.1 15.2 22.8
179 16.3 12.6 18.8





#72

Carbazole

Concen: 41.28 ng

RT: 13.25 min Scan# 1012

Delta R.T. -0.02 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

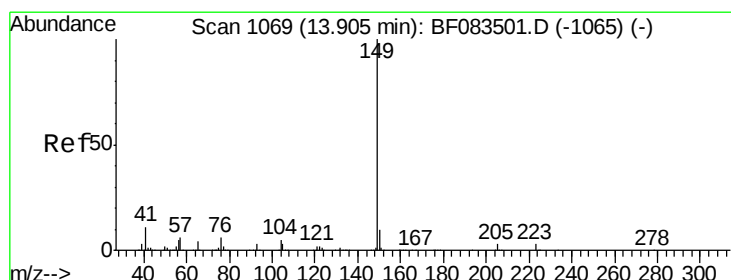
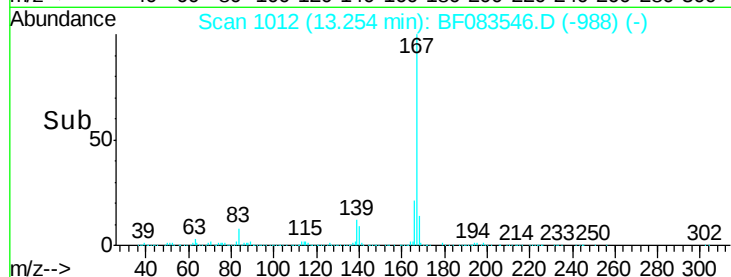
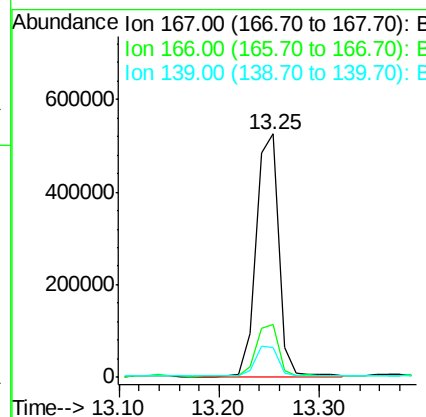
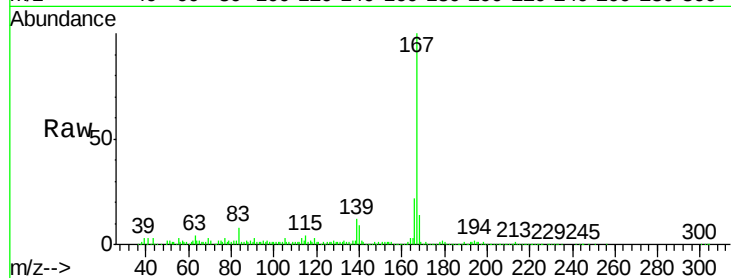
ClientSampleId :

K204-0-2MSD

Tot Ion:	167	Resp:	816106
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.2	25.8
139	12.1	9.3	13.9

Manual Integrations
APPROVED

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12/7/2015 6:33:36 PM



#73

Di-n-butylphthalate

Concen: 41.41 ng

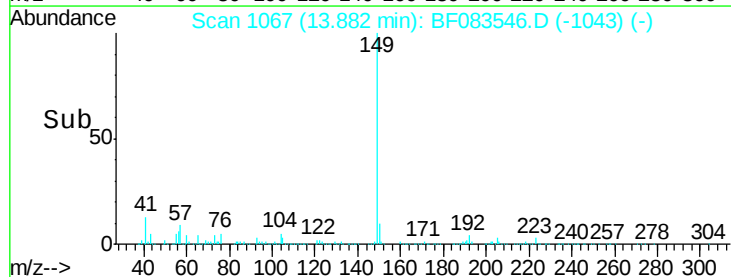
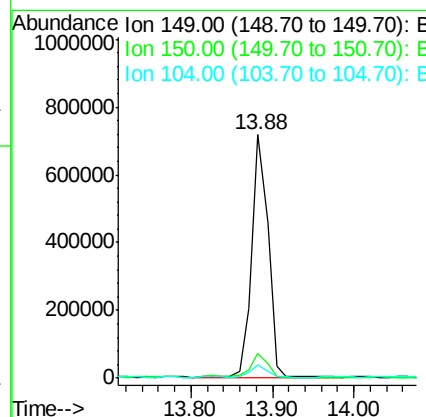
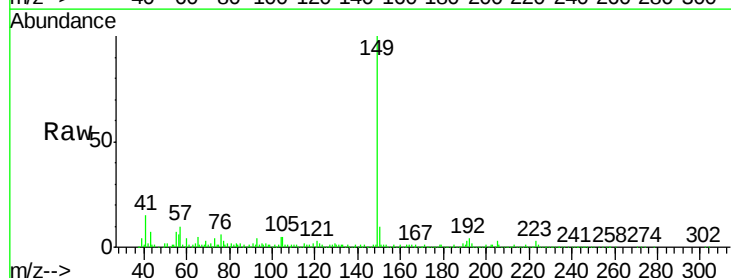
RT: 13.88 min Scan# 1067

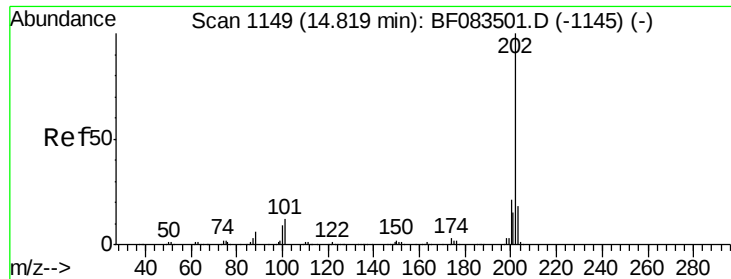
Delta R.T. -0.02 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Tgt Ion:	149	Resp:	985988
Ion Ratio	Lower	Upper	
149	100		
150	9.9	7.8	11.6
104	5.3	3.9	5.9





#74

Fluoranthene

Concen: 168.42 ng

RT: 14.82 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

ClientSampleId :

K204-0-2MSD

Tot Ion:202 Resp: 3768160

Ion Ratio Lower Upper

202 100

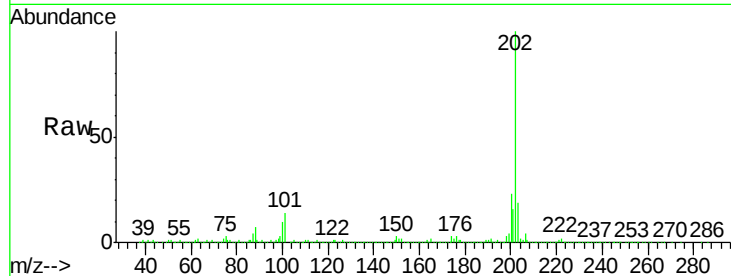
101 13.7 0.0 31.5

203 19.0 0.0 37.6

Manual Integrations
APPROVED

Mmdadoda

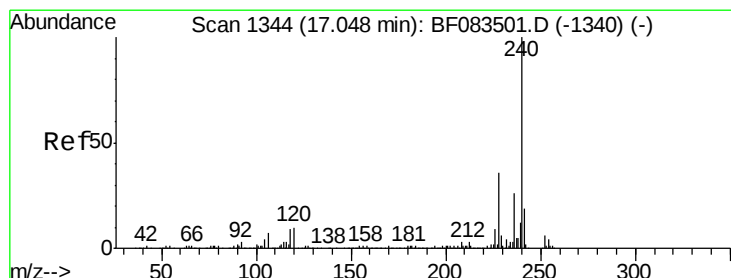
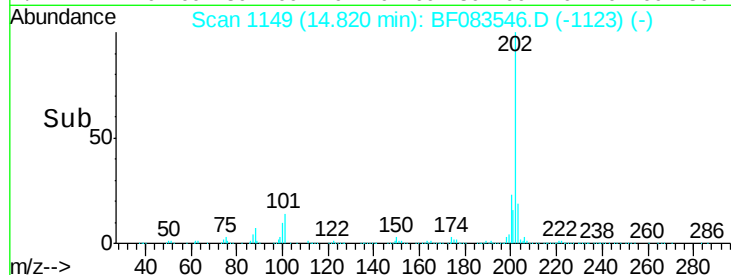
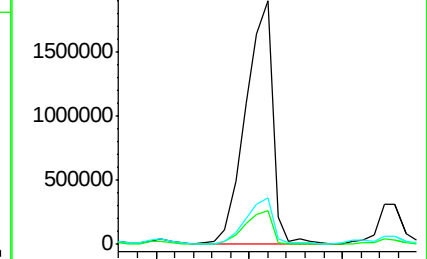
12/7/2015 6:33:36 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.05 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

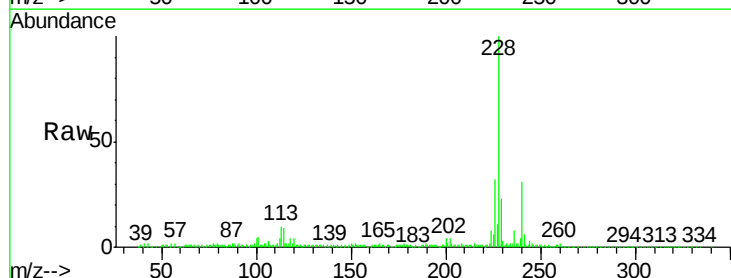
Tgt Ion:240 Resp: 279659

Ion Ratio Lower Upper

240 100

120 12.5 8.1 12.1#

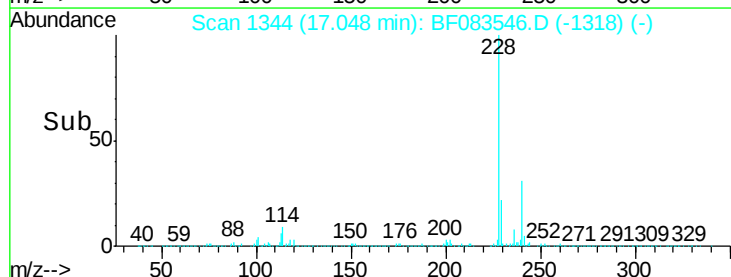
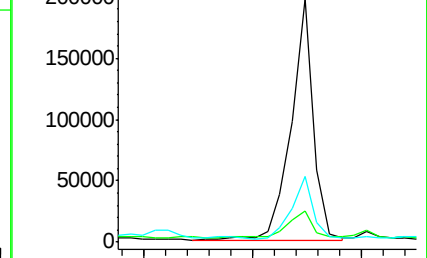
236 26.9 20.8 31.2

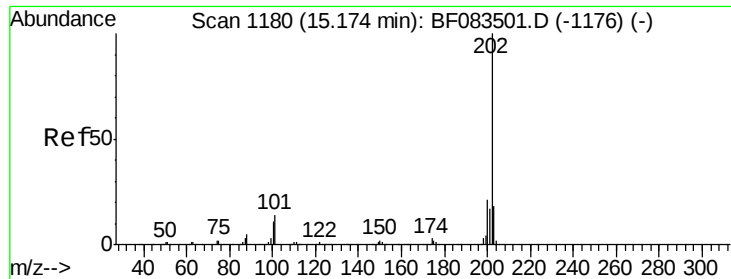


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 221.87 ng

RT: 15.19 min Scan# 1181

Delta R.T. 0.01 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

ClientSampleId :

K204-0-2MSD

Tot Ion:202 Resp: 4641482

Ion Ratio Lower Upper

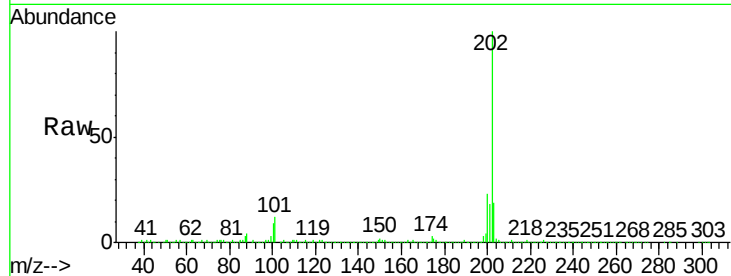
202 100

200 22.7 16.7 25.1

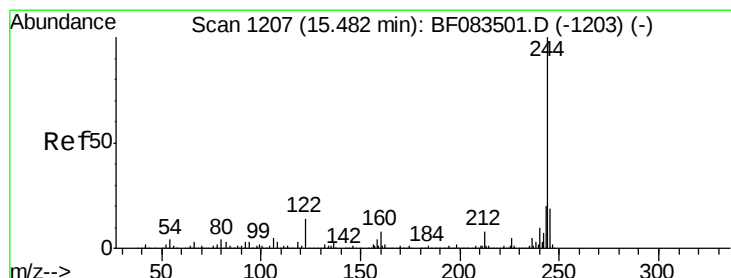
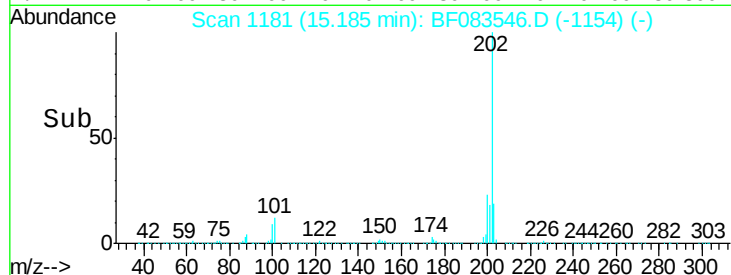
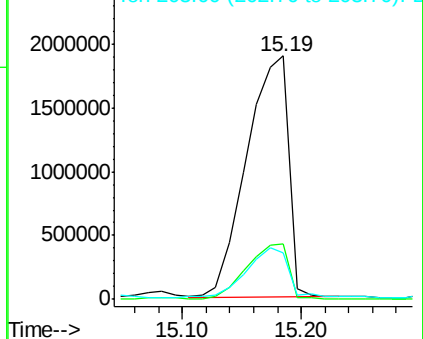
203 18.9 14.3 21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 68.69 ng

RT: 15.47 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

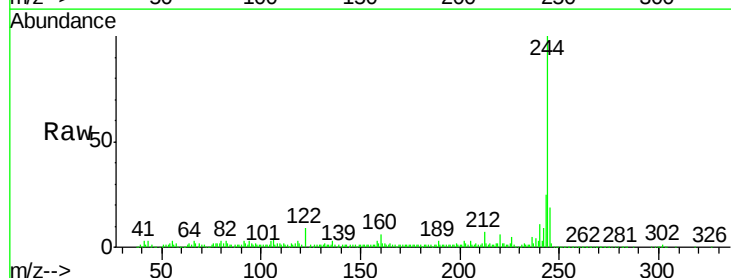
Tgt Ion:244 Resp: 863299

Ion Ratio Lower Upper

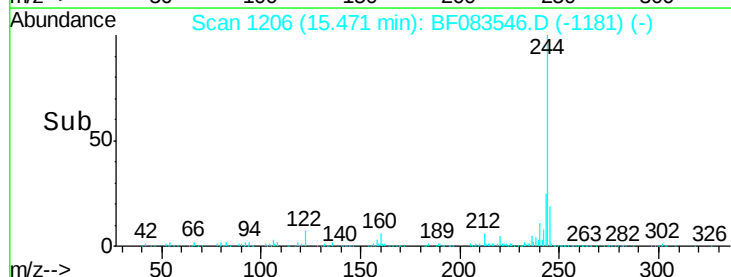
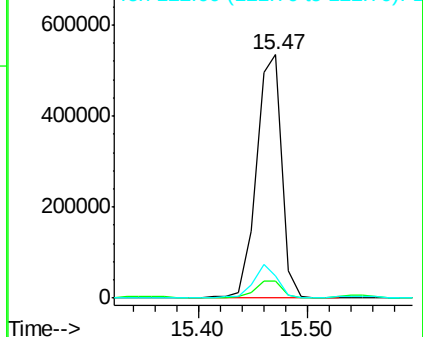
244 100

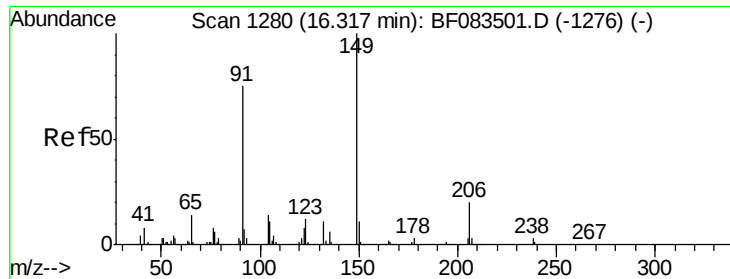
212 6.8 6.1 9.1

122 9.2 11.0 16.6#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





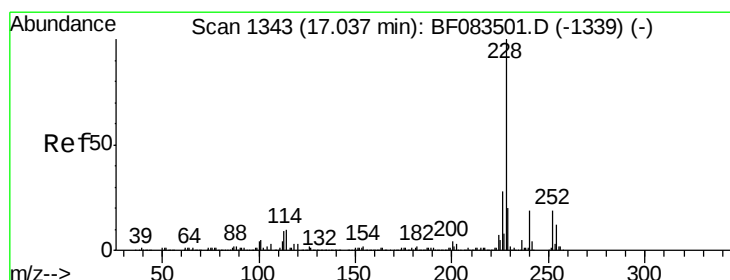
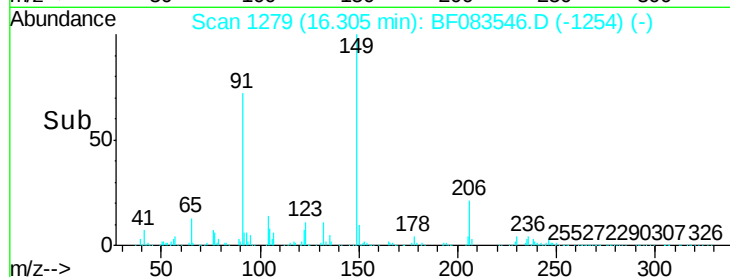
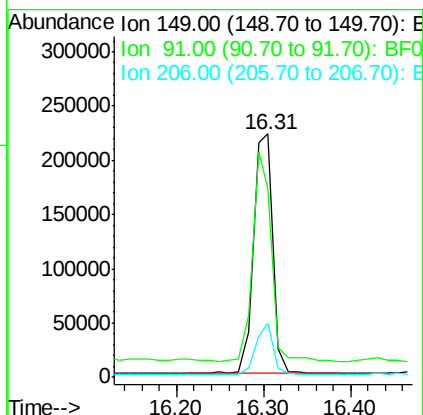
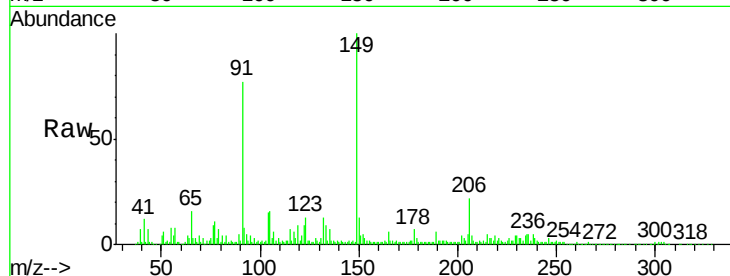
#79
Butylbenzylphthalate
Concen: 41.94 ng
RT: 16.31 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion	Ratio	Resp Lower	Upper
149	100		
91	77.3	60.0	90.0
206	22.0	16.2	24.4

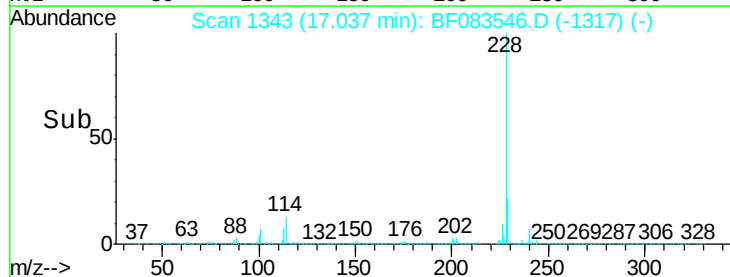
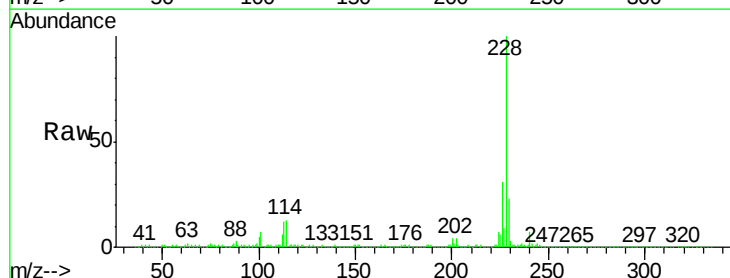
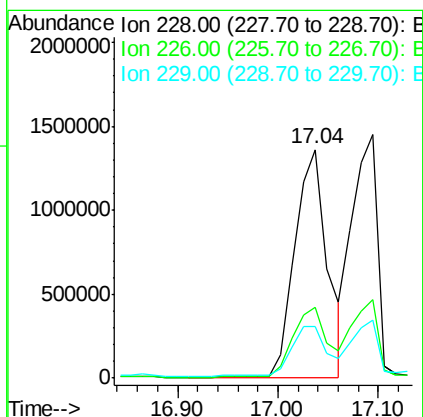
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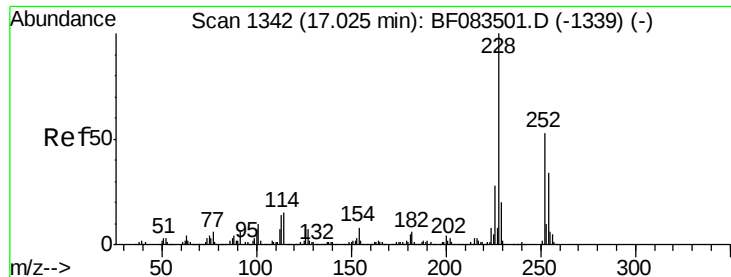
Mmdadoda
12/7/2015 6:33:36 PM



#80
Benzo(a)anthracene
Concen: 186.19 ng
RT: 17.04 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.0	22.3	33.5
229	22.8	15.7	23.5





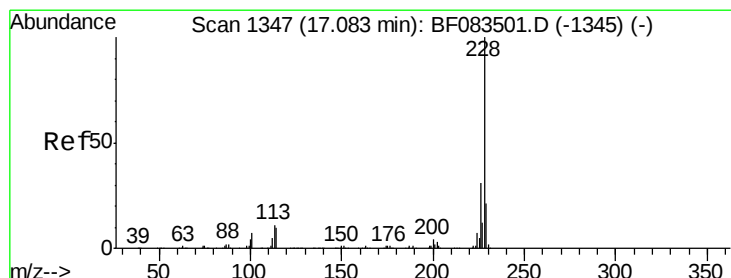
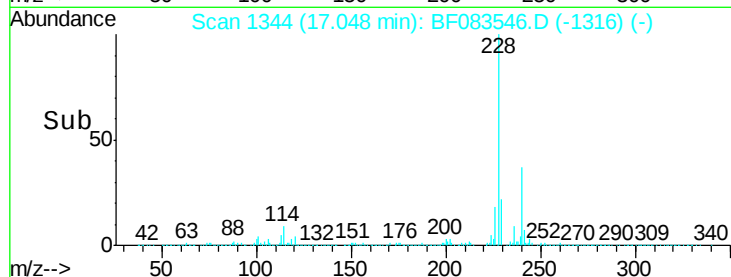
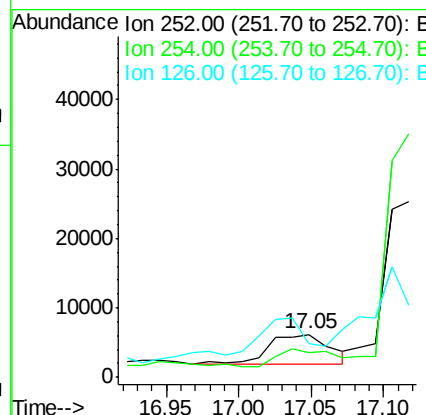
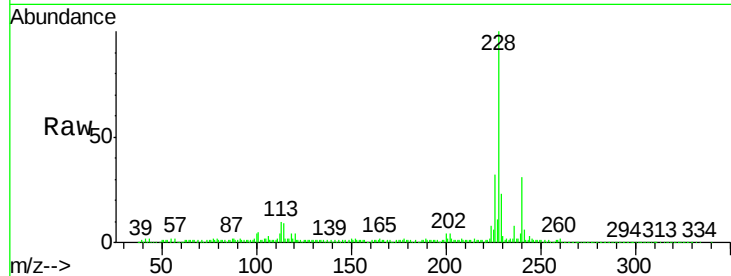
#81
3,3'-Dichlorobenzidine
Concen: 2.40 ng
RT: 17.05 min Scan# 1344
Delta R.T. 0.02 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	12537		
254	58.6	50.6	76.0	
126	77.9	11.0	16.4	

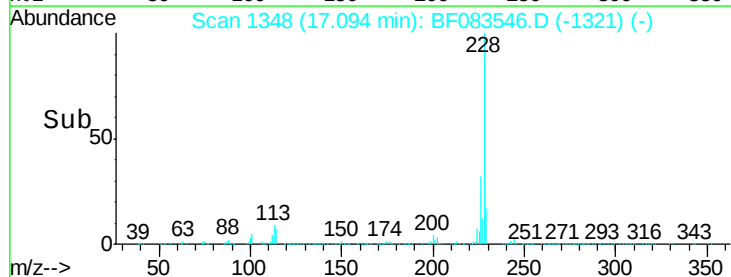
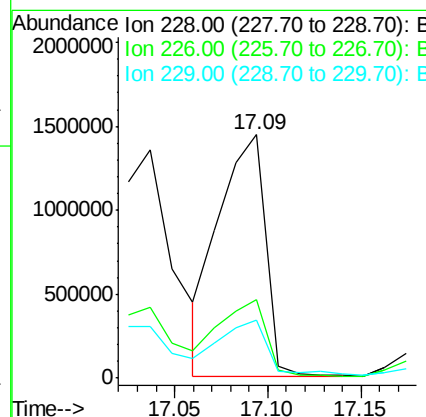
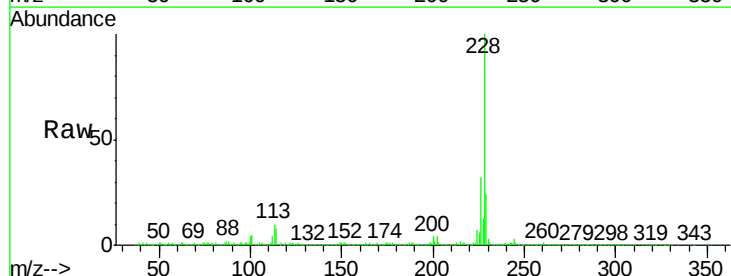
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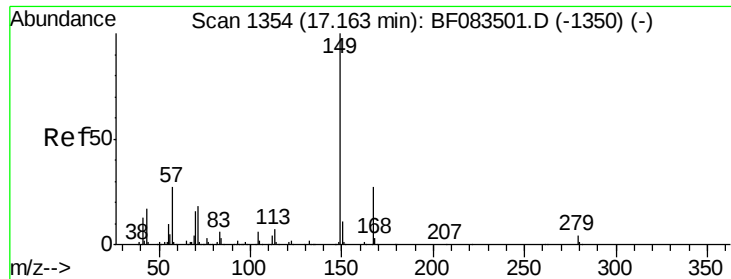
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#82
Chrysene
Concen: 155.27 ng
RT: 17.09 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	2530917		
226	32.3	24.7	37.1	
229	23.7	16.3	24.5	





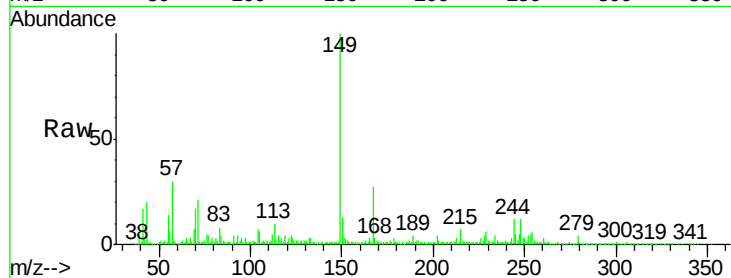
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.68 ng
 RT: 17.15 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BF083546.D
 Acq: 7 Dec 2015 6:49

Instrument :
 BNA_F
 ClientSampleId :
 K204-0-2MSD

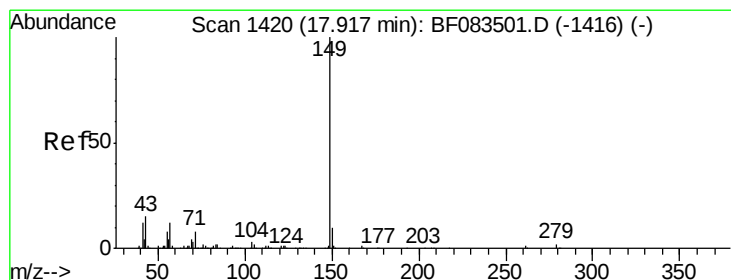
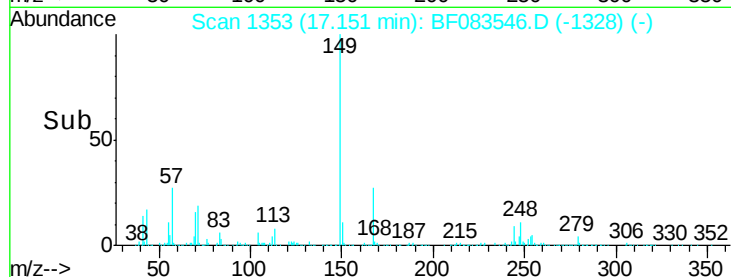
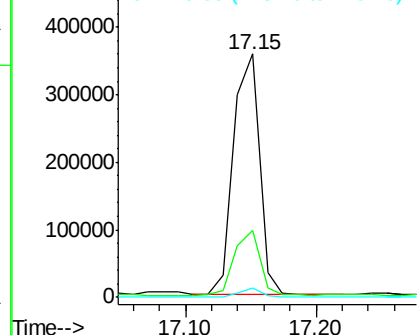
Tot Ion	Ratio	Resp	Lower	Upper
149	100	493172		
167	27.4	21.8	32.8	
279	3.8	3.0	4.4	

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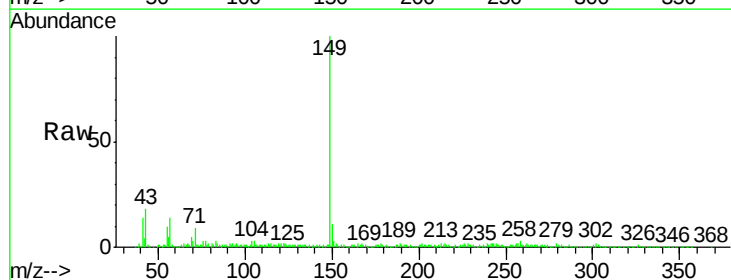


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

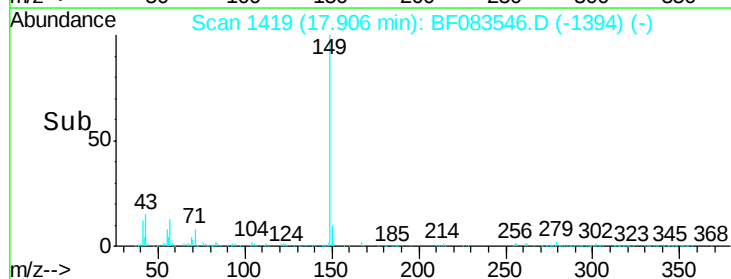
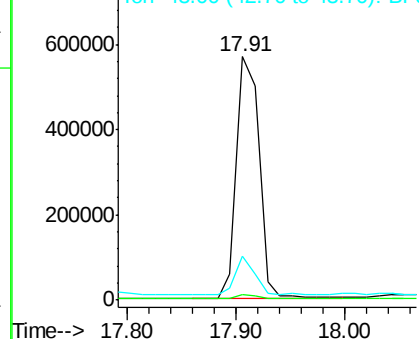


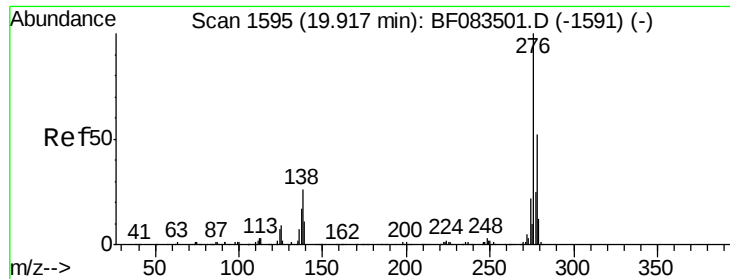
#84
 Di-n-octyl phthalate
 Concen: 53.02 ng
 RT: 17.91 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF083546.D
 Acq: 7 Dec 2015 6:49

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	816222		
167	2.2	0.0	0.0#	
43	13.4	0.0	0.0#	



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





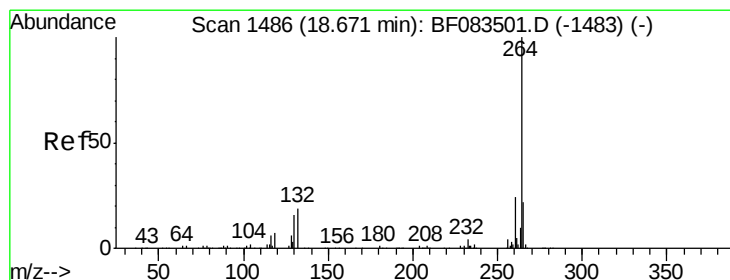
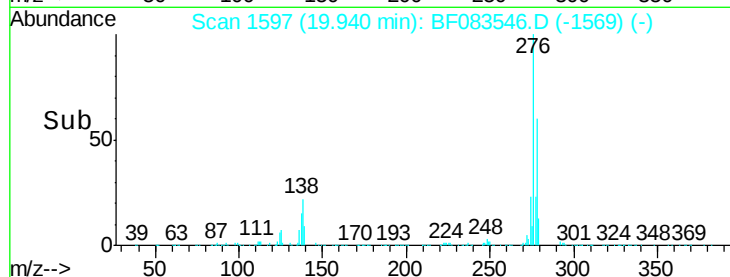
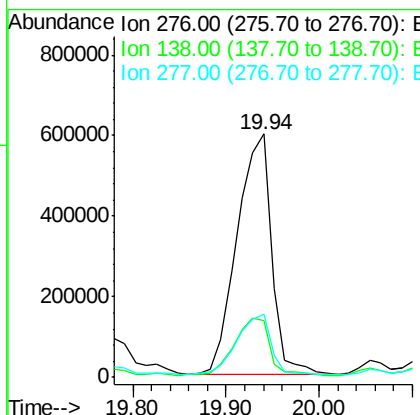
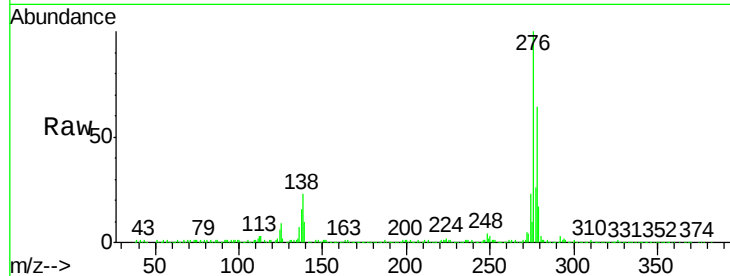
#85
Indeno(1,2,3-cd)pyrene
Concen: 110.36 ng
RT: 19.94 min Scan# 1597
Delta R.T. 0.02 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Instrument :
BNA_F
ClientSampleId :
K204-0-2MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	0.0	0.0#
277	24.8	0.0	0.0#

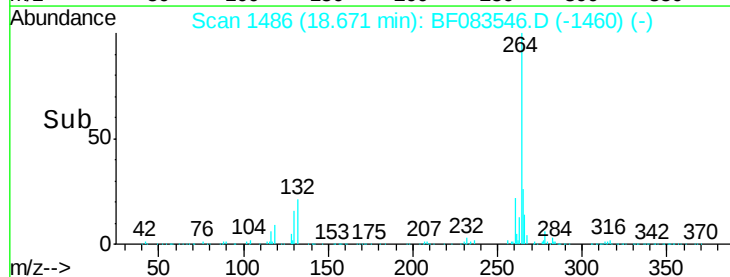
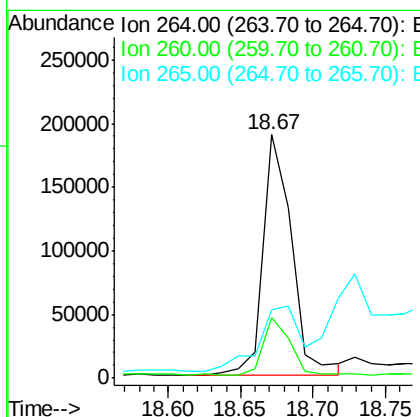
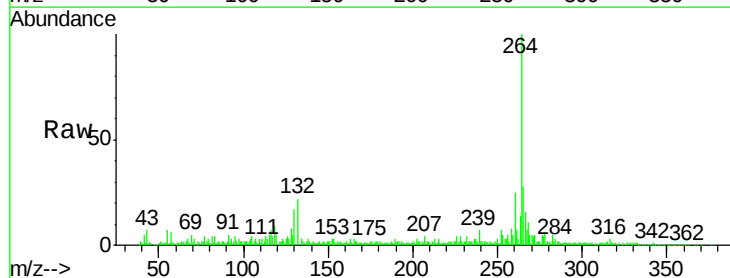
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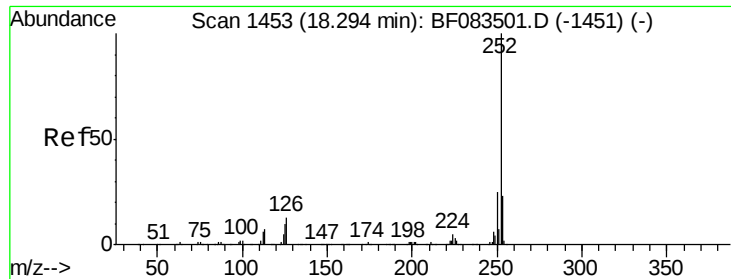
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12/7/2015 6:33:36 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 18.67 min Scan# 1486
Delta R.T. 0.00 min
Lab File: BF083546.D
Acq: 7 Dec 2015 6:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.0
265	28.2	17.8	26.6#





#87

Benzo(b)fluoranthene

Concen: 182.14 ng m

RT: 18.31 min Scan# 1454

Delta R.T. 0.01 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

ClientSampleId :

K204-0-2MSD

Tot Ion:252 Resp: 2660026

Ion Ratio Lower Upper

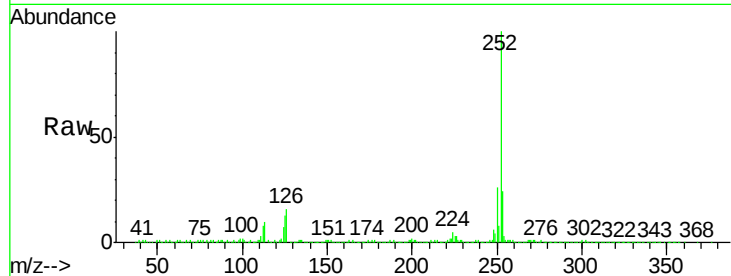
252 100

253 24.2 18.2 27.4

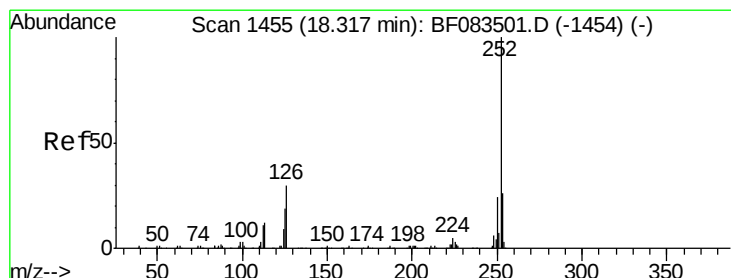
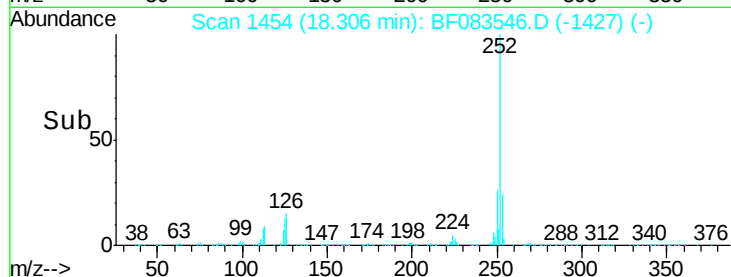
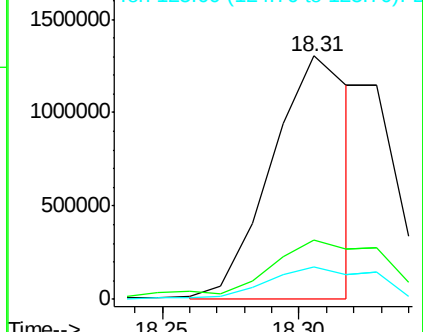
125 13.3 8.2 12.4#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 71.80 ng m

RT: 18.33 min Scan# 1456

Delta R.T. 0.01 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Tgt Ion:252 Resp: 1074078

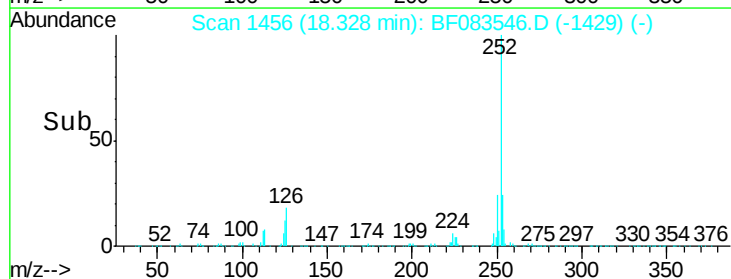
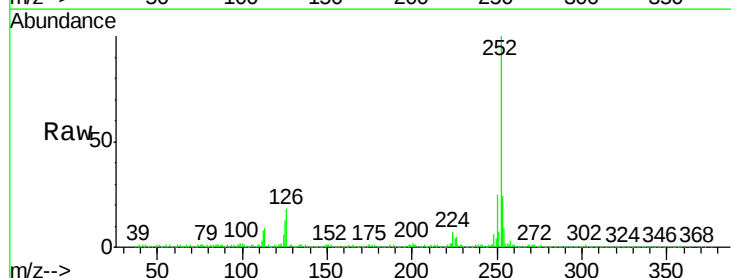
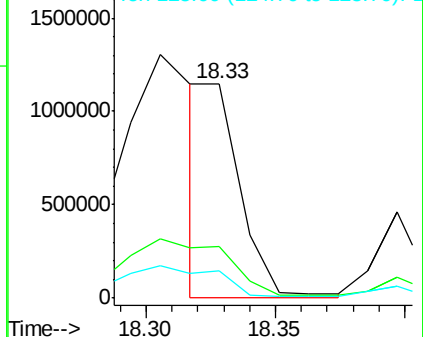
Ion Ratio Lower Upper

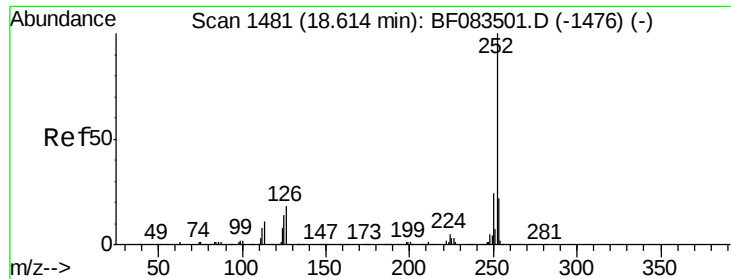
252 100

253 24.1 18.6 27.8

125 12.8 11.5 17.3

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 145.44 ng

RT: 18.63 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

Instrument :

BNA_F

ClientSampleId :

K204-0-2MSD

Tot Ion:252 Resp: 2066025

Ion Ratio Lower Upper

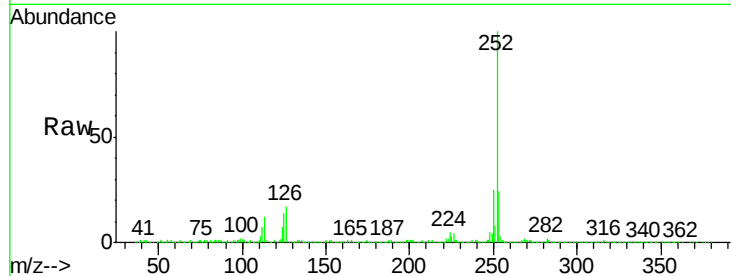
252 100

253 23.6 17.5 26.3

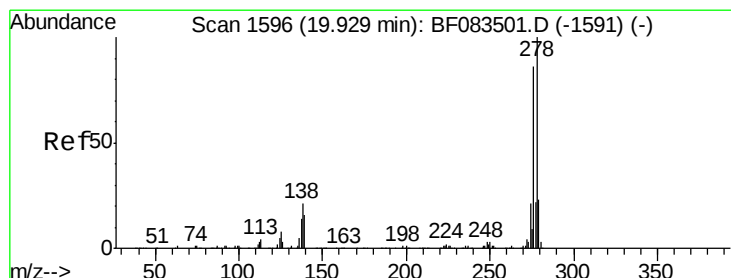
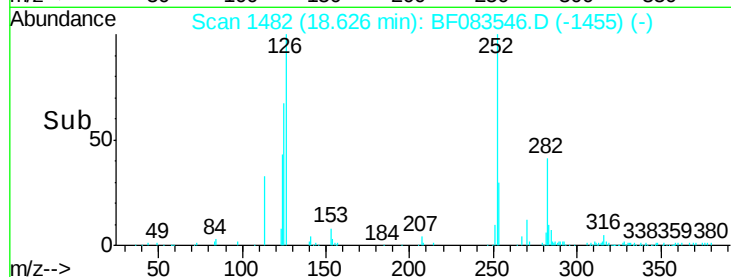
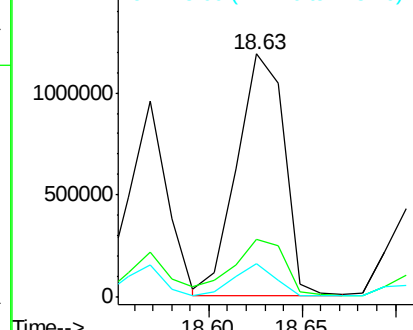
125 13.6 11.0 16.6

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 51.18 ng m

RT: 19.94 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF083546.D

Acq: 7 Dec 2015 6:49

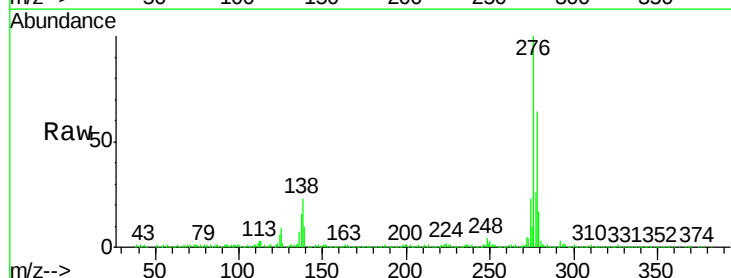
Tgt Ion:278 Resp: 699539

Ion Ratio Lower Upper

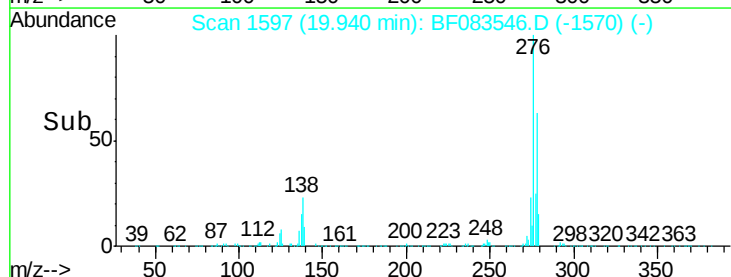
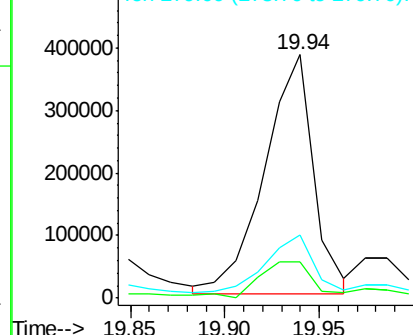
278 100

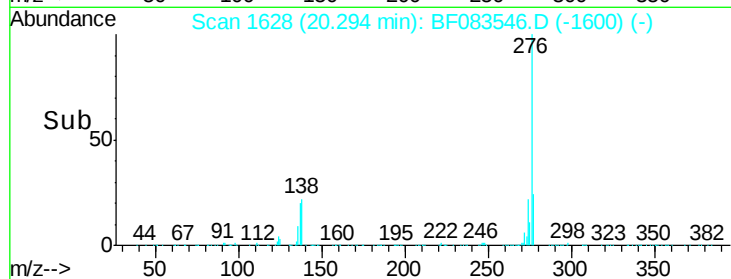
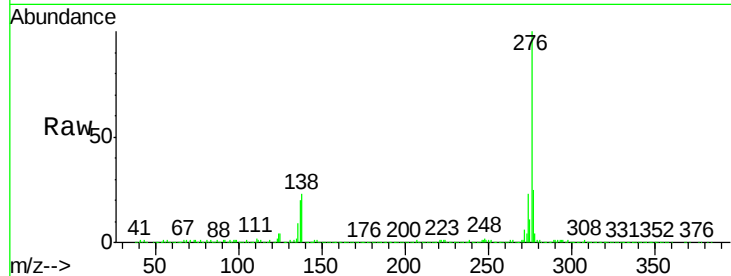
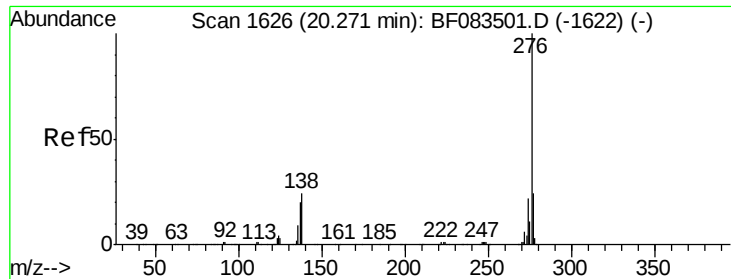
139 14.9 12.8 19.2

279 25.9 18.6 28.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 106.49 ng
 RT: 20.29 min Scan# 1628
 Delta R.T. 0.02 min
 Lab File: BF083546.D
 Acq: 7 Dec 2015 6:49

Instrument :
 BNA_F
 ClientSampleId :
 K204-0-2MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.2	28.8
138	23.4	19.5	29.3

Manual Integrations
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 12/7/2015 6:33:36 PM

