

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
 Data File : BF094674.D
 Acq On : 27 Apr 2017 20:08
 Operator : SJ/MA
 Sample : I2870-02MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-DRUMS(COMP)M

Manual Integrations
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mohammad
 4/28/2017 3:00:46 PM

Quant Time: Apr 28 05:42:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.78	152	113828	20.00	ng	0.01
21) Naphthalene-d8	7.27	136	466739	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	220812	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	392994	20.00	ng	0.00
75) Chrysene-d12	14.48	240	305061	20.00	ng	0.00
86) Perylene-d12	16.10	264	224556	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	4.34	112	834751	121.67	ng	0.04
7) Phenol-d6	5.41	99	950334	117.49	ng	0.01
23) Nitrobenzene-d5	6.43	82	667128	88.26	ng	0.01
41) 2,4,6-Tribromophenol	10.38	330	238908	138.32	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1246075	83.03	ng	0.00
78) Terphenyl-d14	13.20	244	1154736	101.18	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.26	88	103785	26.01	ng	# 82
3) Pyridine	2.74	79	193215	22.16	ng	96
4) n-Nitrosodimethylamine	2.67	42	131179	36.35	ng	91
6) Aniline	5.41	93	189495	17.63	ng	# 46
8) 2-Chlorophenol	5.55	128	327296	41.92	ng	98
9) Benzaldehyde	5.28	77	81076	13.18	ng	95
10) Phenol	5.42	94	348003	35.02	ng	98
11) bis(2-Chloroethyl)ether	5.49	93	301220	41.50	ng	99
12) 1,3-Dichlorobenzene	5.71	146	242519	28.04	ng	99
13) 1,4-Dichlorobenzene	5.80	146	252566	29.02	ng	96
14) 1,2-Dichlorobenzene	5.97	146	240761	30.04	ng	95
15) Benzyl Alcohol	5.95	79	252815	42.14	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.11	45	376627	39.57	ng	67
17) 2-Methylphenol	6.10	107	259886	42.27	ng	93
18) Hexachloroethane	6.35	117	80675	27.04	ng	# 86
19) n-Nitroso-di-n-propylamine	6.27	70	227201	42.39	ng	95
20) 3+4-Methylphenols	6.28	107	352999	42.25	ng	# 62
22) Acetophenone	6.25	105	469789	41.40	ng	# 84
24) Nitrobenzene	6.45	77	322715	40.54	ng	94
25) Isophorone	6.74	82	599993	42.82	ng	96
26) 2-Nitrophenol	6.82	139	183996	43.03	ng	96
27) 2,4-Dimethylphenol	6.90	122	289861	41.73	ng	98
28) bis(2-Chloroethoxy)methane	7.00	93	385423	42.52	ng	99
29) 2,4-Dichlorophenol	7.12	162	284651	44.05	ng	99
30) 1,2,4-Trichlorobenzene	7.20	180	231272	34.62	ng	99
31) Naphthalene	7.30	128	814880	36.32	ng	100
32) Benzoic acid	7.10	122	182516	49.69	ng	95
33) 4-Chloroaniline	7.38	127	64973	6.96	ng	# 93
34) Hexachlorobutadiene	7.45	225	107129	32.16	ng	99
35) Caprolactam	7.85	113	64508m	31.78	ng	
36) 4-Chloro-3-methylphenol	8.00	107	297853	43.98	ng	89
37) 2-Methylnaphthalene	8.13	142	621610	40.49	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.34	216	248382	39.50	ng	100
40) Hexachlorocyclopentadiene	8.32	237	179780	70.68	ng	98

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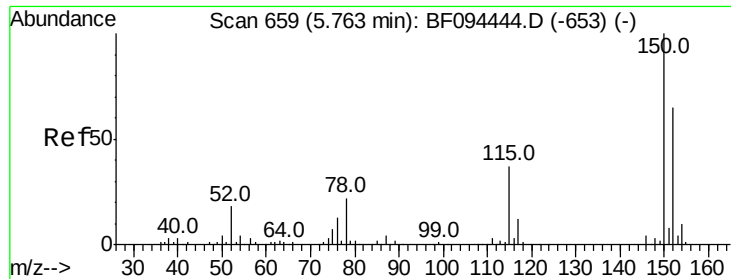
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.50	196	188870	42.77	nq	94
43) 2,4,5-Trichlorophenol	8.55	196	203000	44.77	nq	95
45) 1,1'-Biphenyl	8.71	154	740657	41.05	nq	98
46) 2-Chloronaphthalene	8.72	162	587379	40.95	nq	94
47) 2-Nitroaniline	8.87	65	173291	41.99	nq	# 85
48) Acenaphthylene	9.23	152	919228	41.11	nq	99
49) Dimethylphthalate	9.11	163	738854	44.90	nq	99
50) 2,6-Dinitrotoluene	9.17	165	163385	44.23	nq	91
51) Acenaphthene	9.44	154	558127	41.67	nq	99
52) 3-Nitroaniline	9.38	138	71384	16.70	nq	91
53) 2,4-Dinitrophenol	9.52	184	166430	82.82	nq	# 64
54) Dibenzofuran	9.66	168	837984	43.05	nq	99
55) 4-Nitrophenol	9.64	139	155323m	51.45	nq	
56) 2,4-Dinitrotoluene	9.67	165	214152	47.25	nq	# 85
57) Fluorene	10.08	166	649875	42.87	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.82	232	149746	46.07	nq	95
59) Diethylphthalate	9.97	149	685778	44.17	nq	99
60) 4-Chlorophenyl-phenylether	10.08	204	279776	44.35	nq	94
61) 4-Nitroaniline	10.14	138	155477	35.79	nq	95
62) Azobenzene	10.28	77	652452	43.28	nq	92
64) 4,6-Dinitro-2-methylphenol	10.18	198	111158	43.17	nq	# 71
65) n-Nitrosodiphenylamine	10.24	169	585208	42.82	nq	99
66) 4-Bromophenyl-phenylether	10.68	248	167229	42.85	nq	96
67) Hexachlorobenzene	10.76	284	171457	43.60	nq	# 89
68) Atrazine	10.92	200	178209	43.58	nq	98
69) Pentachlorophenol	11.01	266	161881	103.67	nq	98
70) Phenanthrene	11.25	178	936712	42.33	nq	99
71) Anthracene	11.32	178	979254	42.78	nq	98
72) Carbazole	11.53	167	898812	41.83	nq	97
73) Di-n-butylphthalate	11.97	149	1106529	46.77	nq	99
74) Fluoranthene	12.71	202	968882	42.24	nq	99
76) Benzidine	12.89	184	228869	18.53	nq	# 93
77) Pyrene	12.99	202	977023	45.84	nq	99
79) Butylbenzylphthalate	13.81	149	468049	50.11	nq	91
80) Benzo(a)anthracene	14.47	228	762576	43.01	nq	99
81) 3,3'-Dichlorobenzidine	14.44	252	147280	23.46	nq	# 97
82) Chrysene	14.51	228	695136	42.90	nq	99
83) Bis(2-ethylhexyl)phthalate	14.52	149	652741	52.05	nq	# 100
84) Di-n-octyl phthalate	15.28	149	1067063	50.72	nq	96
85) Indeno(1,2,3-cd)pyrene	17.39	276	597687	38.76	nq	99
87) Benzo(b)fluoranthene	15.70	252	615044	44.77	nq	99
88) Benzo(k)fluoranthene	15.73	252	588442	45.27	nq	# 96
89) Benzo(a)pyrene	16.04	252	562685	44.03	nq	98
90) Dibenzo(a,h)anthracene	17.40	278	502561	47.36	nq	97
91) Benzo(g,h,i)perylene	17.77	276	504607	46.71	nq	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.78 min Scan# 653

Delta R.T. 0.01 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:152 Resp: 113828

Ion Ratio Lower Upper

152 100

150 154.0 126.2 189.2

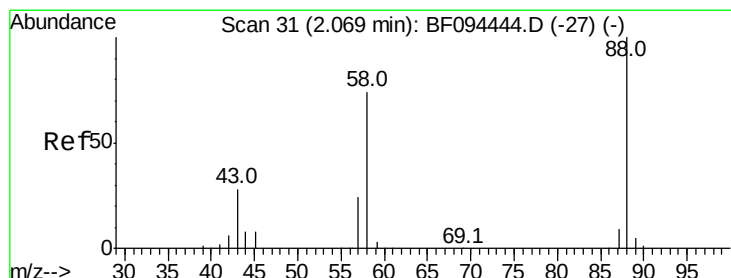
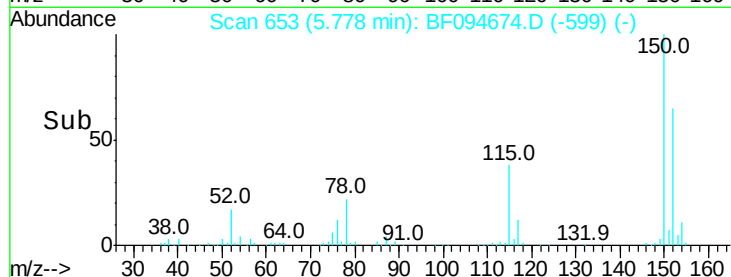
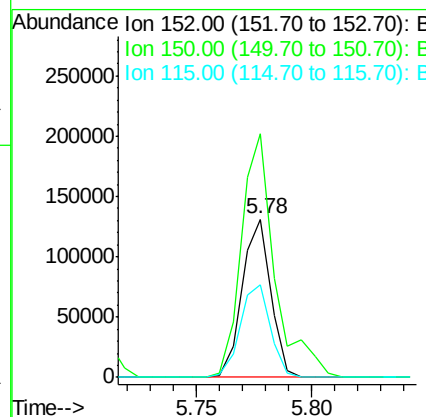
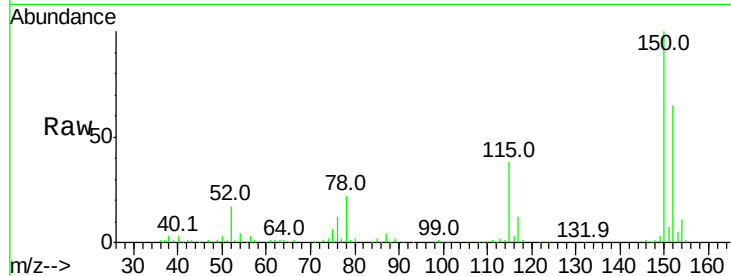
115 58.5 52.2 78.2

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#2

1,4-Dioxane

Concen: 26.01 ng

RT: 2.26 min Scan# 55

Delta R.T. 0.19 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

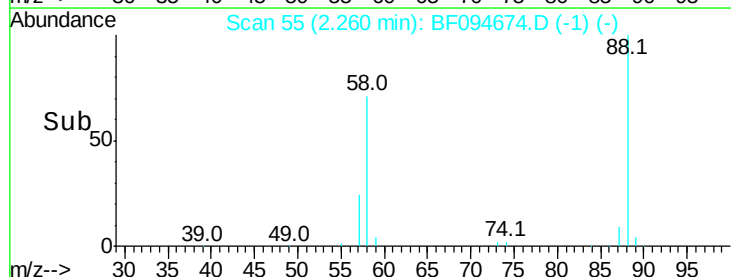
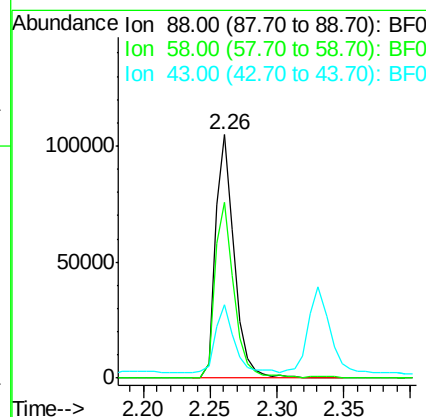
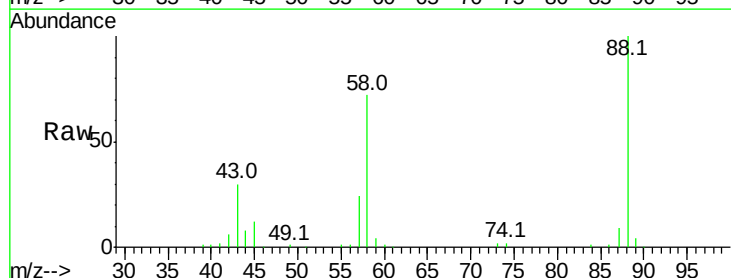
Tgt Ion: 88 Resp: 103785

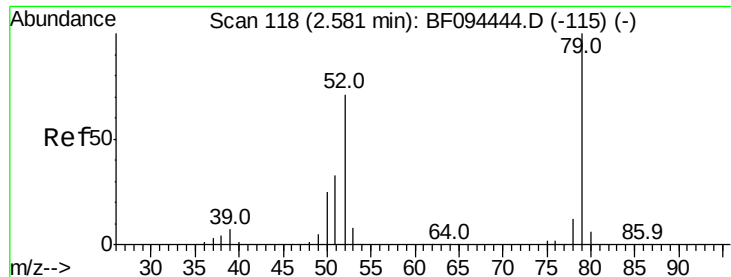
Ion Ratio Lower Upper

88 100

58 73.5 61.4 92.0

43 0.0 23.4 35.0#





#3

Pvridine

Concen: 22.16 ng

RT: 2.74 min Scan# 136

Delta R.T. 0.16 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

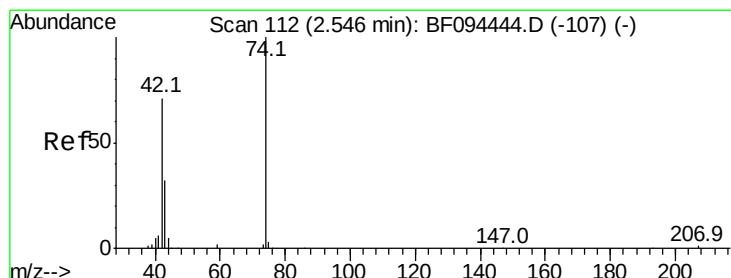
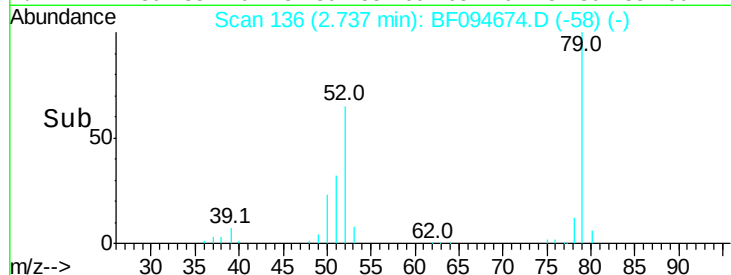
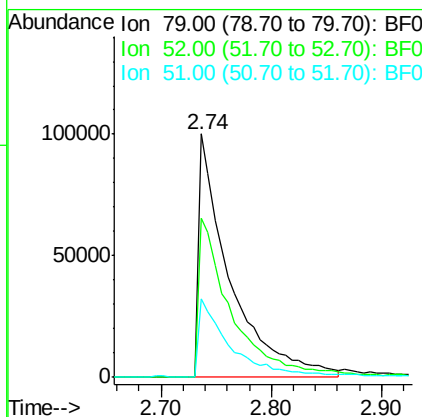
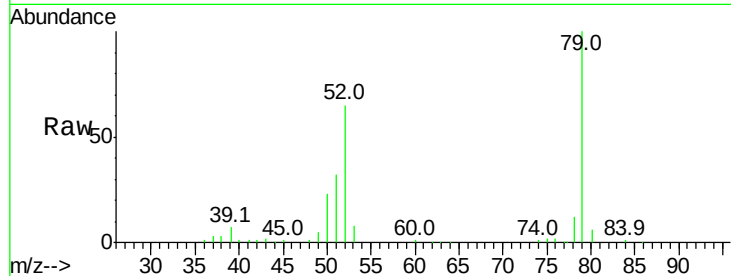
ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:	79	Resp:	193215
Ion Ratio	Lower	Upper	
79	100		
52	65.3	54.8	82.2
51	32.2	27.0	40.4

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#4

n-Nitrosodimethylamine

Concen: 36.35 ng

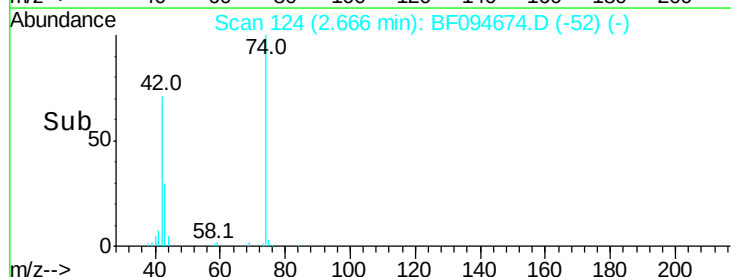
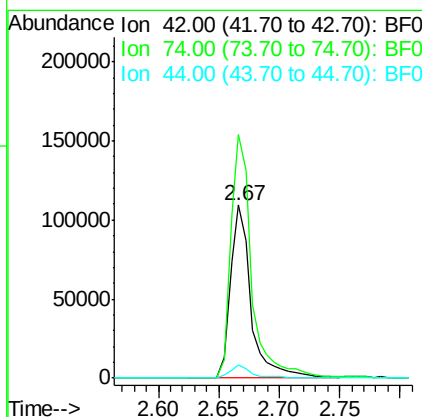
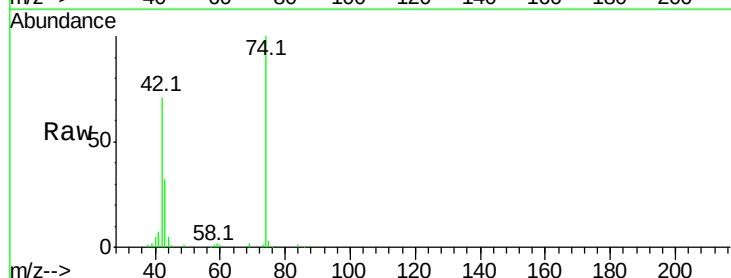
RT: 2.67 min Scan# 124

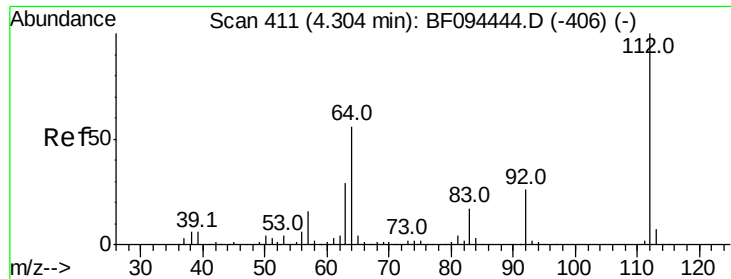
Delta R.T. 0.12 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Tgt Ion:	42	Resp:	131179
Ion Ratio	Lower	Upper	
42	100		
74	140.6	103.9	155.9
44	7.5	5.7	8.5





#5

2-Fluorophenol

Concen: 121.67 ng

RT: 4.34 min Scan# 409

Delta R.T. 0.04 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

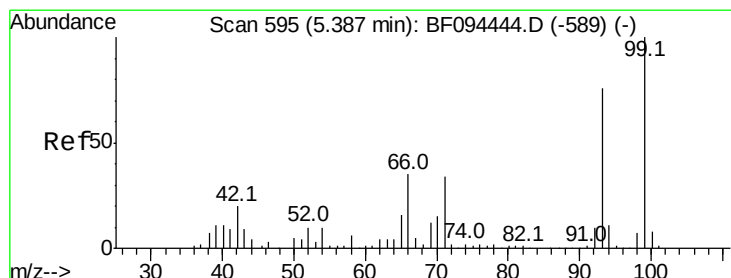
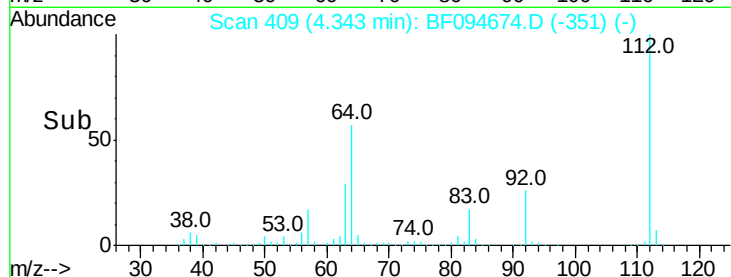
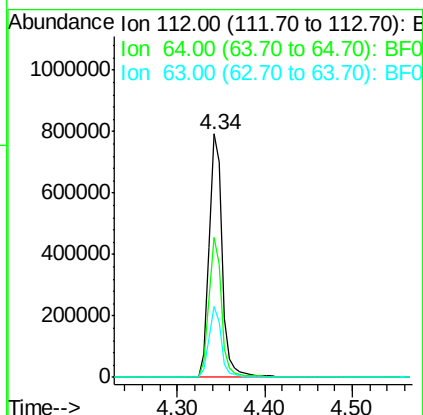
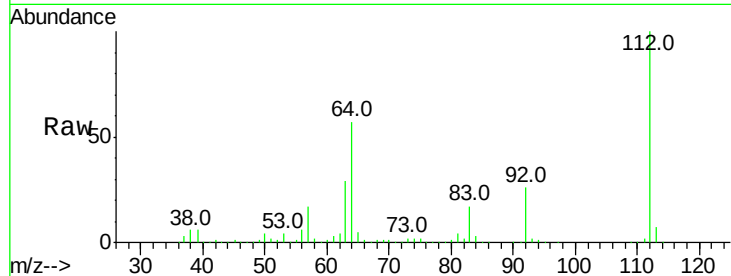
ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:	112	Resp:	834751
Ion Ratio	Lower	Upper	
112	100		
64	57.4	46.0	69.0
63	29.0	23.4	35.0

Manual Integrations
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#6

Aniline

Concen: 17.63 ng

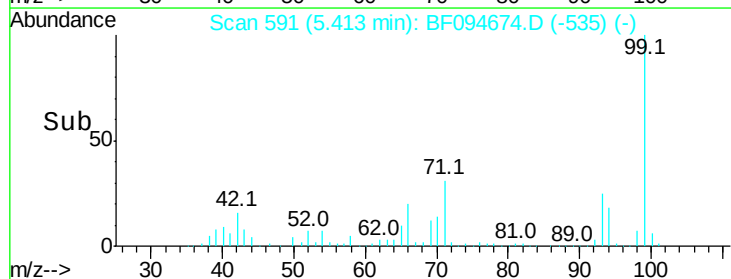
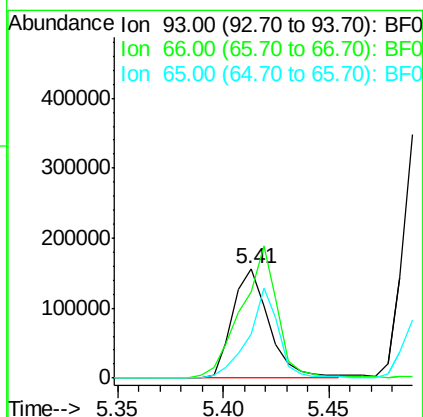
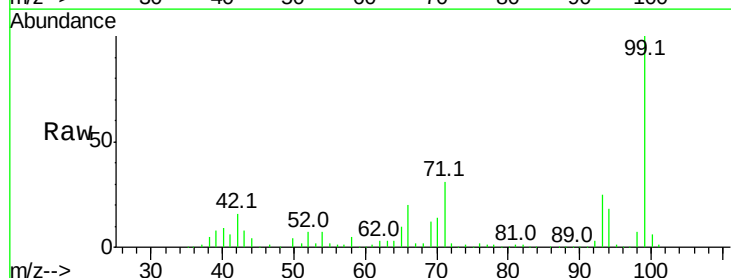
RT: 5.41 min Scan# 591

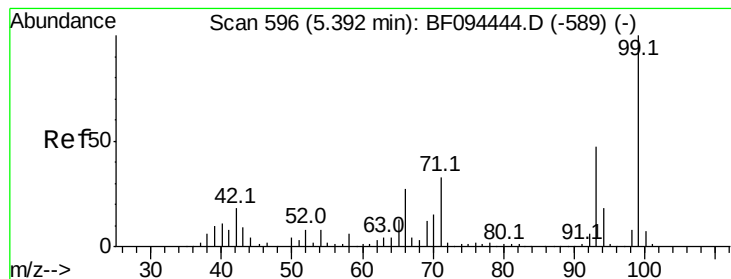
Delta R.T. 0.03 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Tgt Ion:	93	Resp:	189495
Ion Ratio	Lower	Upper	
93	100		
66	78.3	32.9	49.3#
65	40.1	16.0	24.0#





#7

Phenol-d6

Concen: 117.49 ng

RT: 5.41 min Scan# 590

Delta R.T. 0.01 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

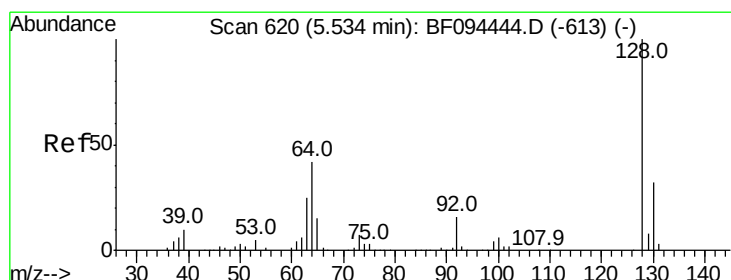
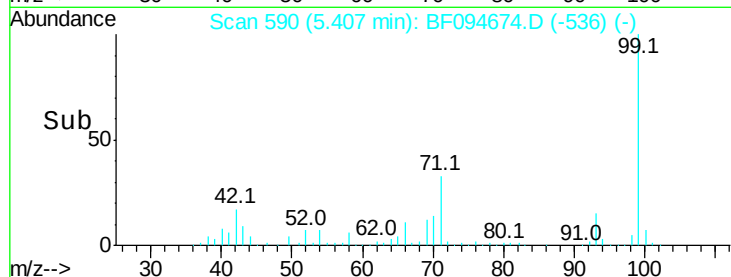
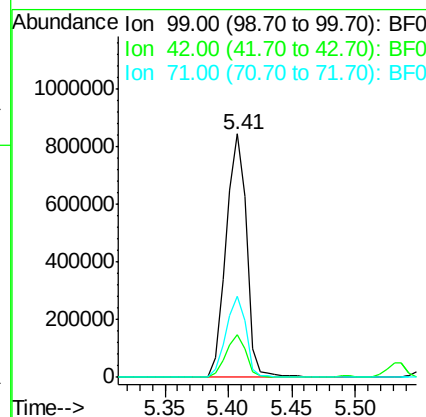
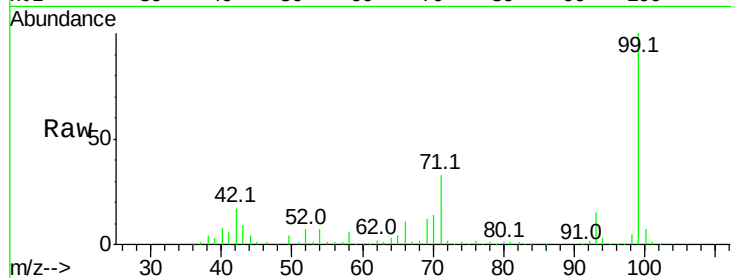
ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:	99	Resp:	950334
Ion Ratio	Lower	Upper	
99	100		
42	17.3	13.5	20.3
71	33.2	24.5	36.7

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#8

2-Chlorophenol

Concen: 41.92 ng

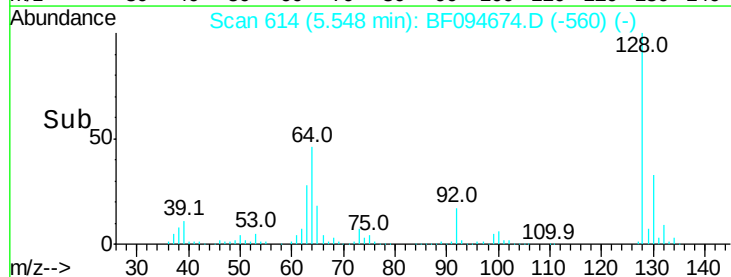
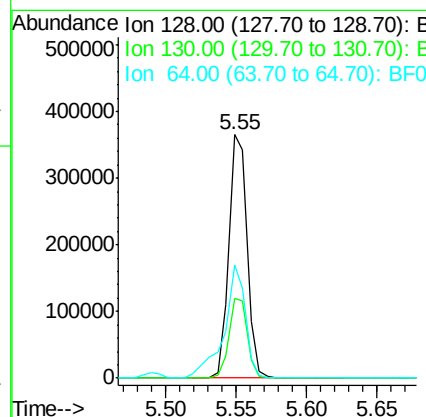
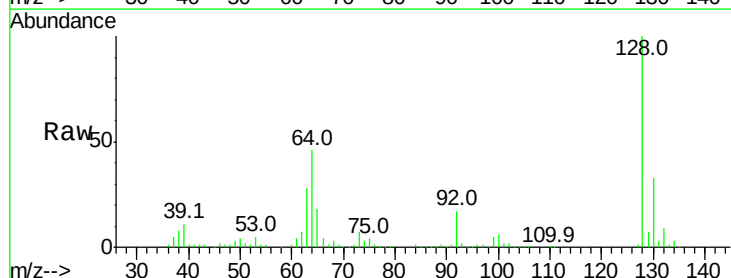
RT: 5.55 min Scan# 614

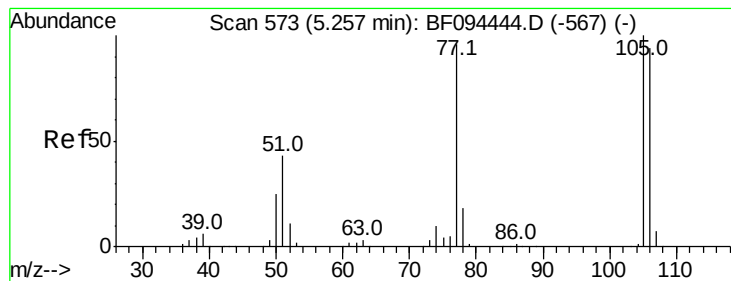
Delta R.T. 0.01 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Tgt Ion:	128	Resp:	327296
Ion Ratio	Lower	Upper	
128	100		
130	32.9	12.9	52.9
64	46.4	28.4	68.4





#9

Benzaldehyde

Concen: 13.18 ng

RT: 5.28 min Scan# 569

Delta R.T. 0.03 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion: 77 Resp: 81076

Ion Ratio Lower Upper

77 100

105 111.2 83.8 123.8

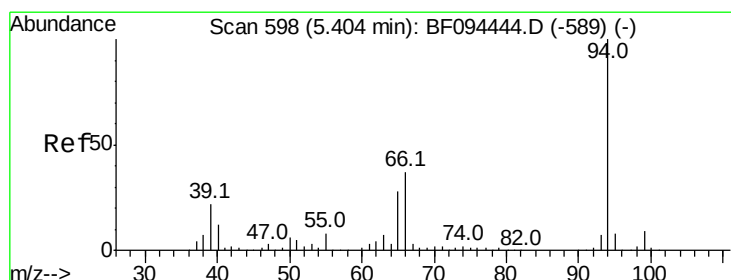
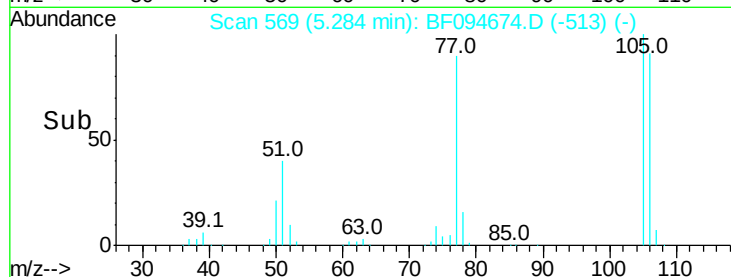
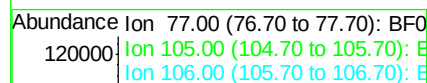
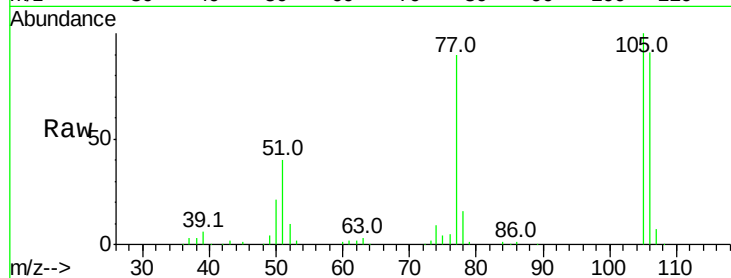
106 100.9 79.1 119.1

Manual Integrations

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#10

Phenol

Concen: 35.02 ng

RT: 5.42 min Scan# 592

Delta R.T. 0.01 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

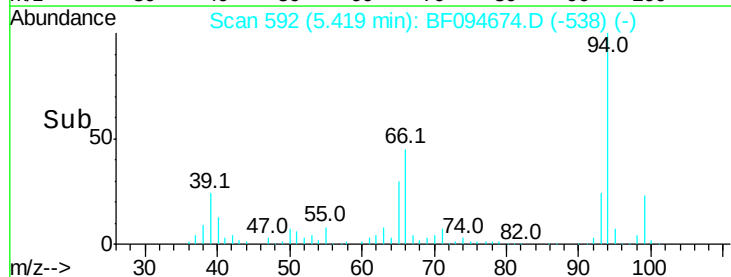
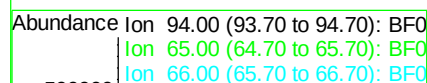
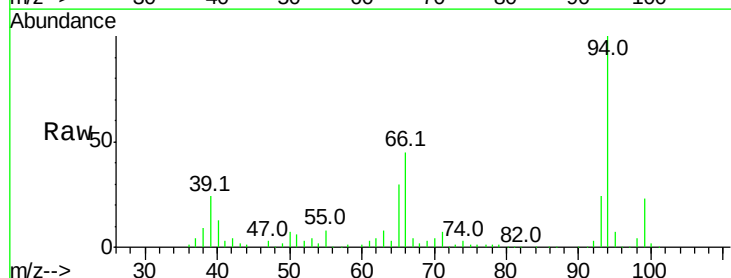
Tgt Ion: 94 Resp: 348003

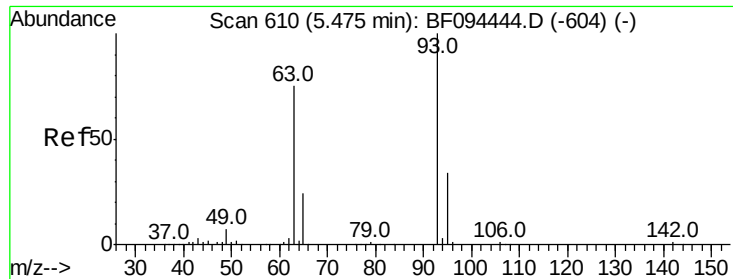
Ion Ratio Lower Upper

94 100

65 30.4 9.9 49.9

66 44.5 23.1 63.1





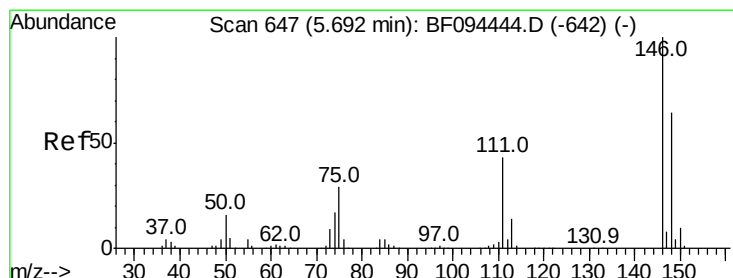
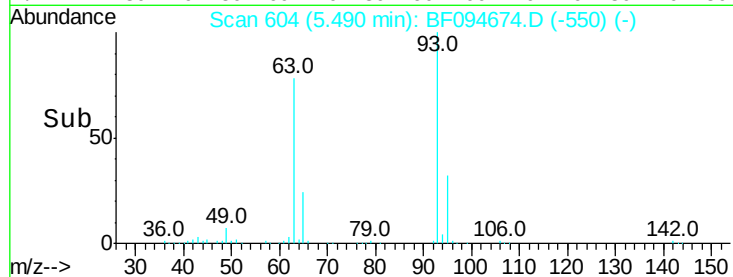
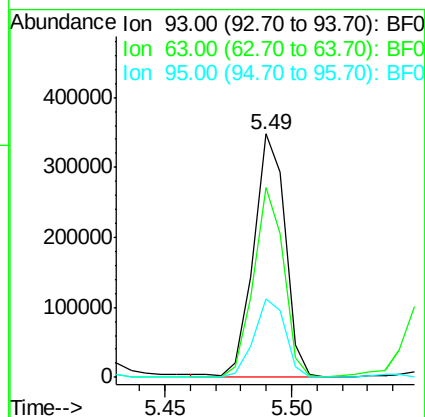
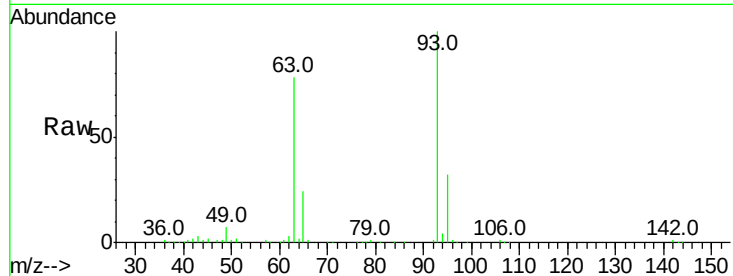
#11
bis(2-Chloroethyl)ether
Concen: 41.50 ng
RT: 5.49 min Scan# 604
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Resp	Lower	Upper
93	100	301220		
63	78.0		59.2	99.2
95	32.1		12.8	52.8

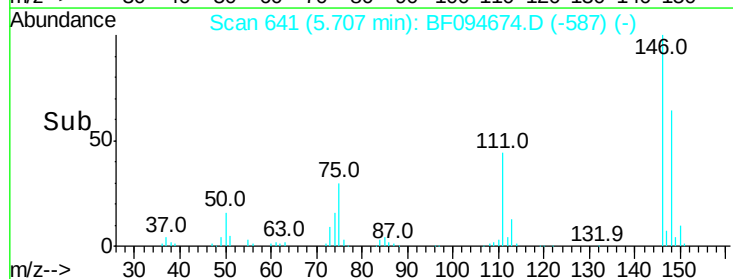
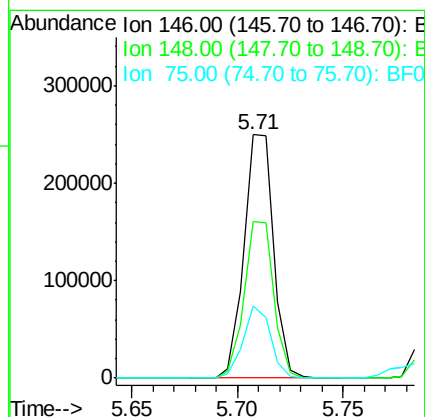
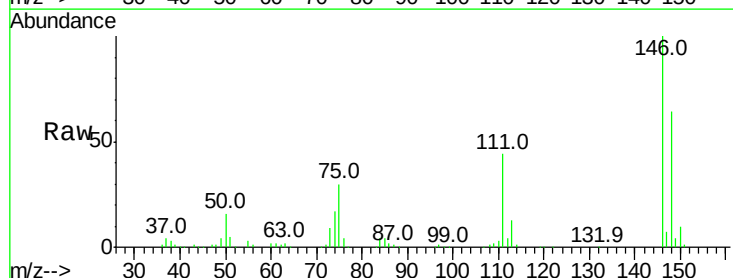
Manual Integrations
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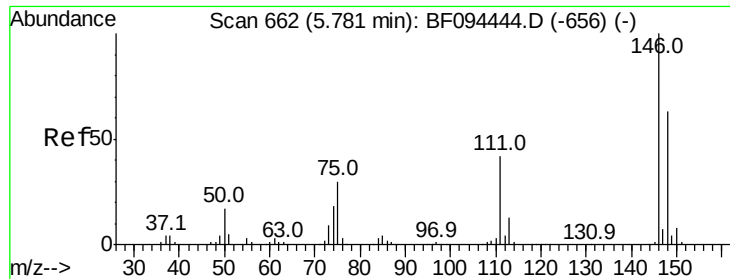
mohammad
4/28/2017 3:00:46 PM



#12
1,3-Dichlorobenzene
Concen: 28.04 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	242519		
148	64.2		51.8	77.6
75	29.9		23.1	34.7





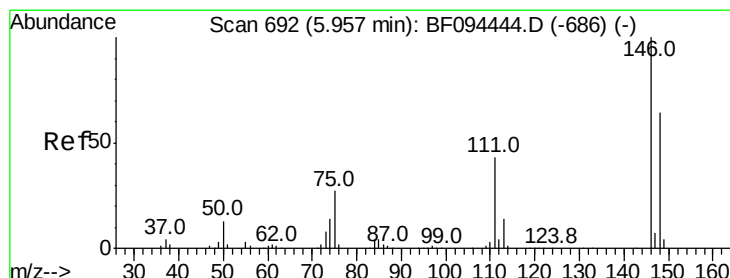
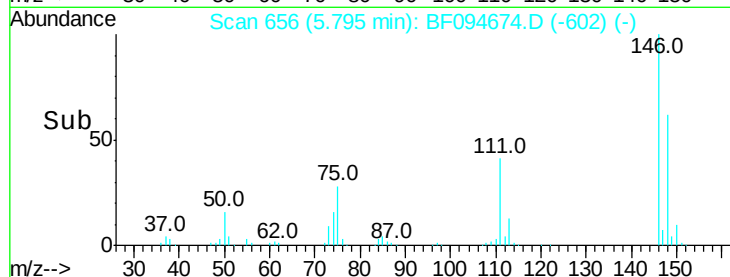
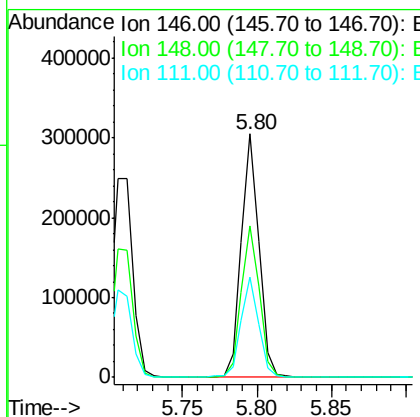
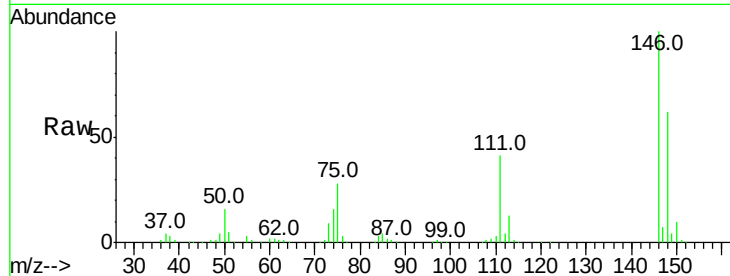
#13
 1,4-Dichlorobenzene
 Concen: 29.02 ng
 RT: 5.80 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.2	52.2	78.2
111	41.1	30.3	45.5

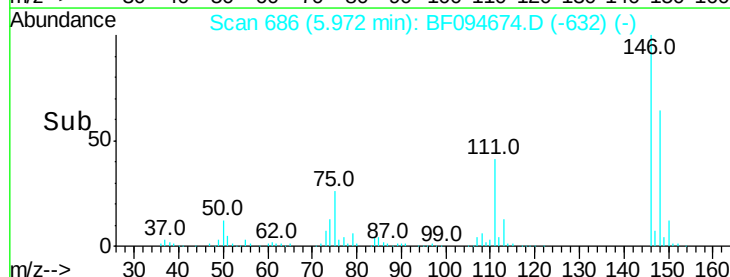
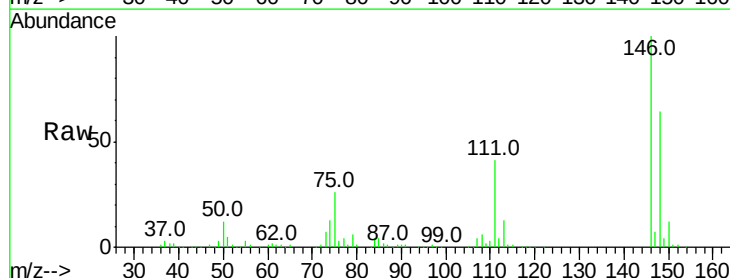
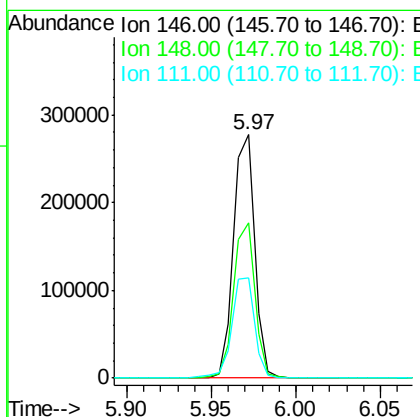
Manual Integrations
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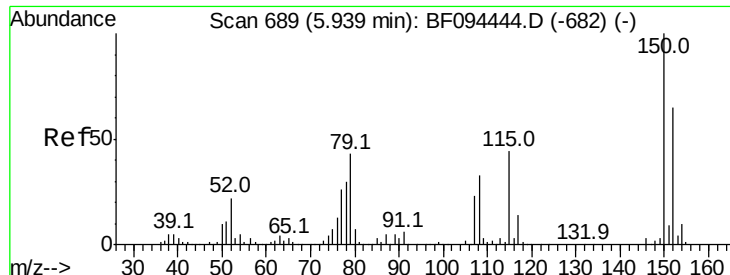
mohammad
 4/28/2017 3:00:46 PM



#14
 1,2-Dichlorobenzene
 Concen: 30.04 ng
 RT: 5.97 min Scan# 686
 Delta R.T. 0.01 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.4	75.6
111	41.4	38.2	57.4





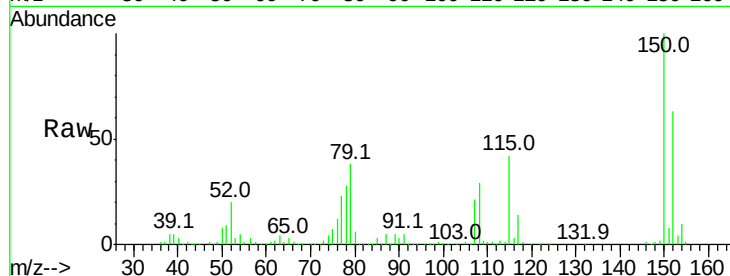
#15
Benzyl Alcohol
Concen: 42.14 ng
RT: 5.95 min Scan# 683
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-DRUMS(COMP)M

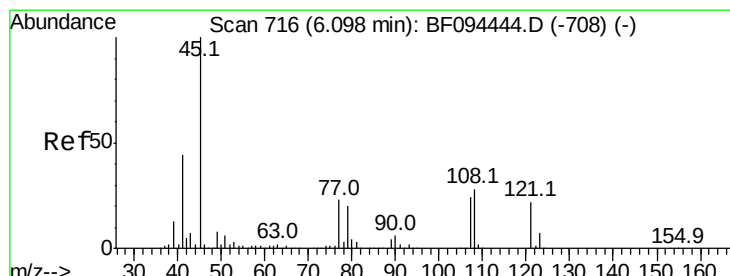
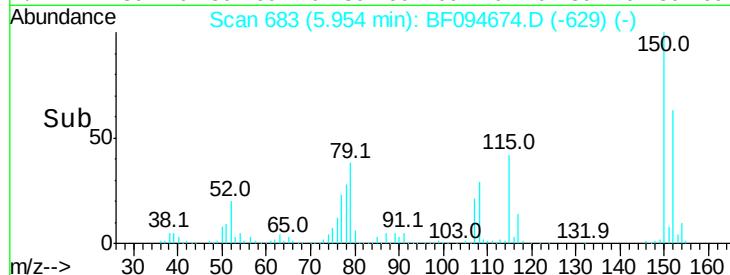
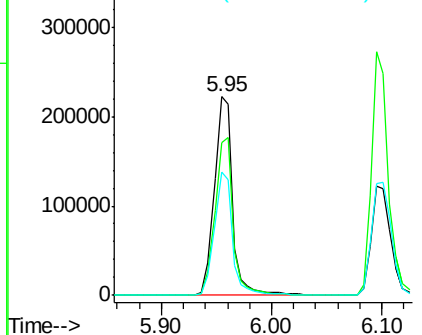
Tot Ion	Ratio	Lower	Upper
79	100		
108	77.1	63.4	95.0
77	61.8	49.2	73.8

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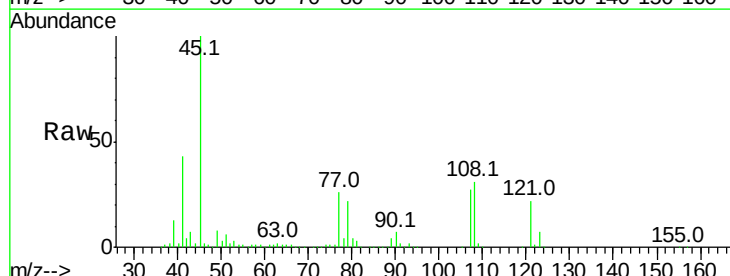


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

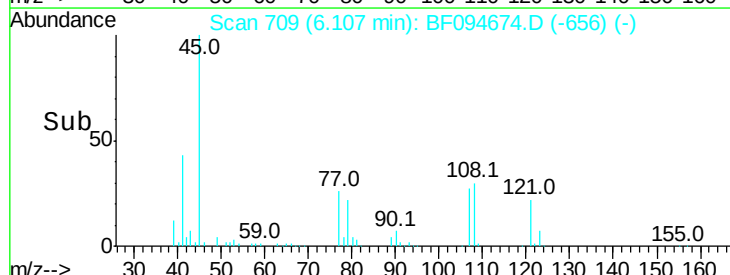
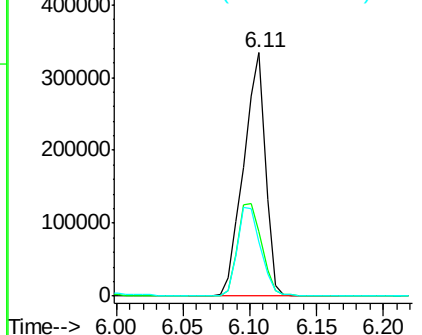


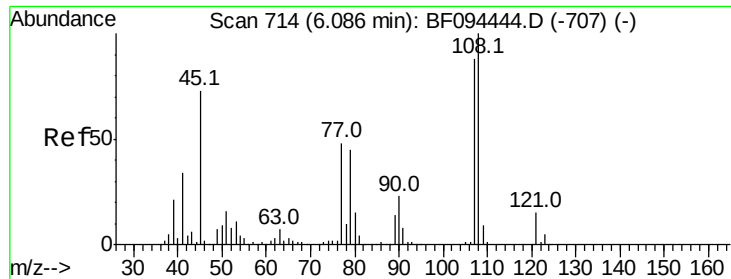
#16
2,2'-oxybis(1-chloropropane)
Concen: 39.57 ng
RT: 6.11 min Scan# 709
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Lower	Upper
45	100		
77	26.4	0.0	33.2
79	22.1	0.0	30.0



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





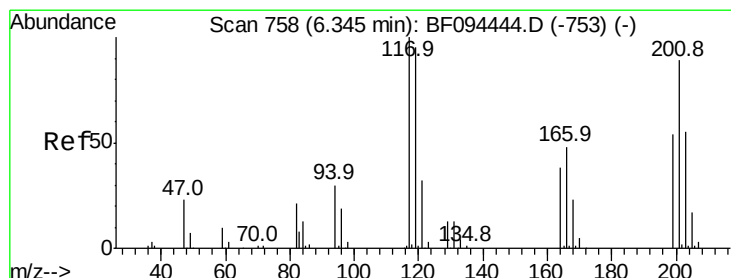
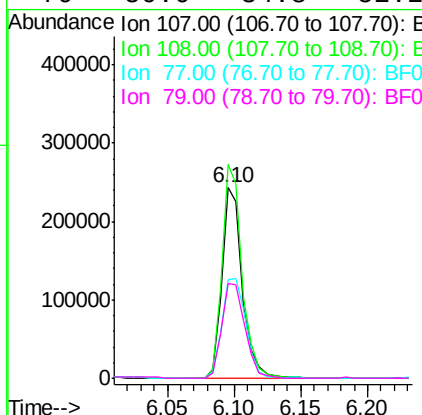
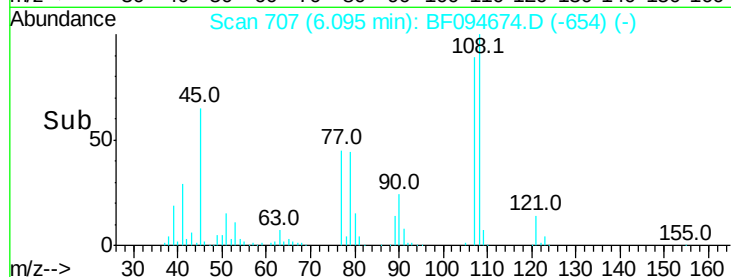
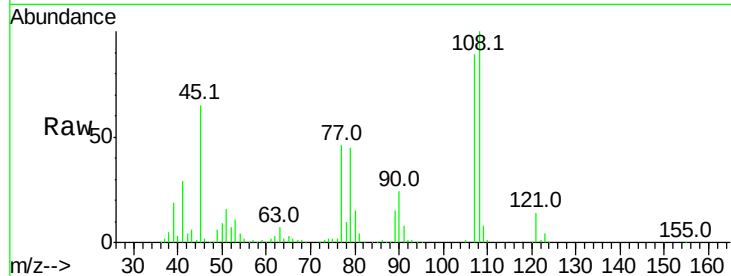
#17
2-Methylphenol
Concen: 42.27 ng
RT: 6.10 min Scan# 707
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.1	93.4	140.0	
77	51.5	35.8	53.6	
79	50.0	34.8	52.2	

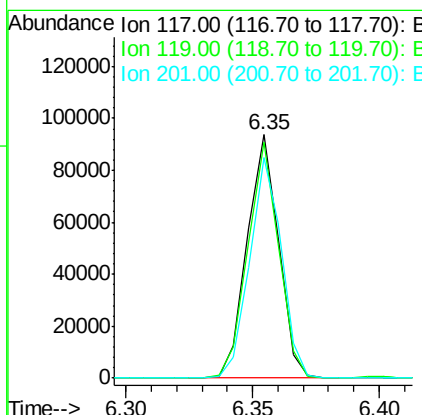
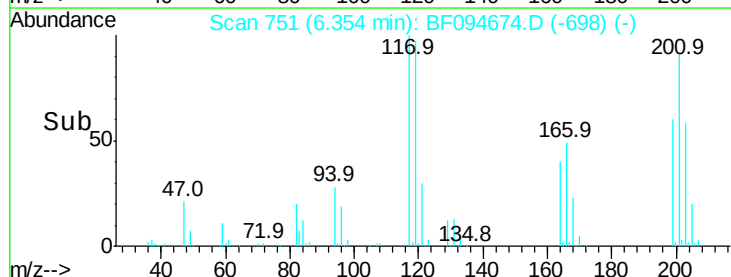
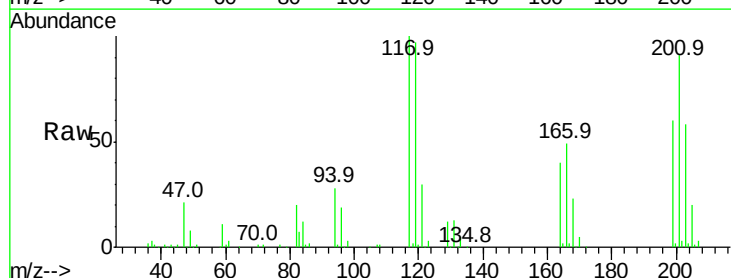
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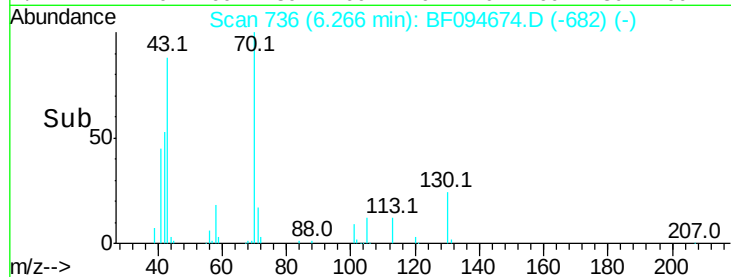
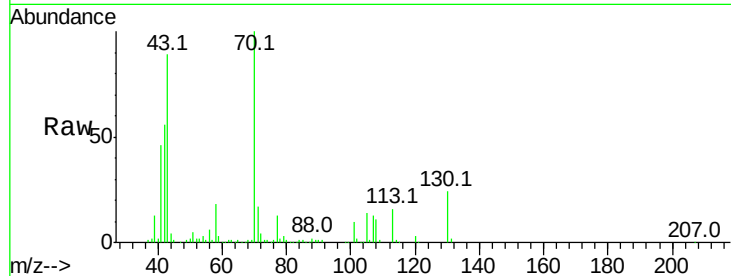
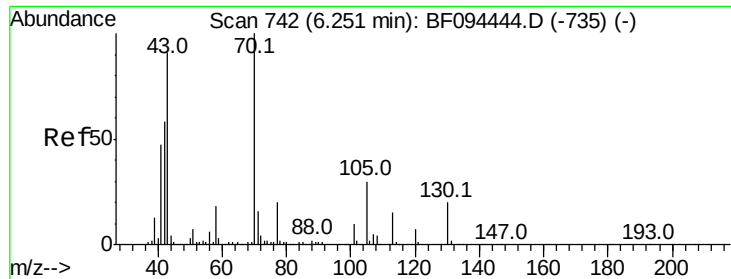
mohammad
4/28/2017 3:00:46 PM



#18
Hexachloroethane
Concen: 27.04 ng
RT: 6.35 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.7	77.4	116.0	
201	90.5	94.6	141.8#	





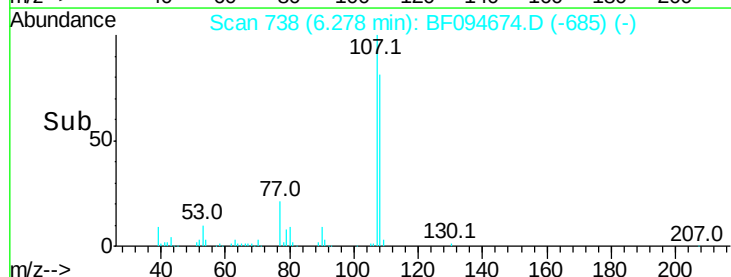
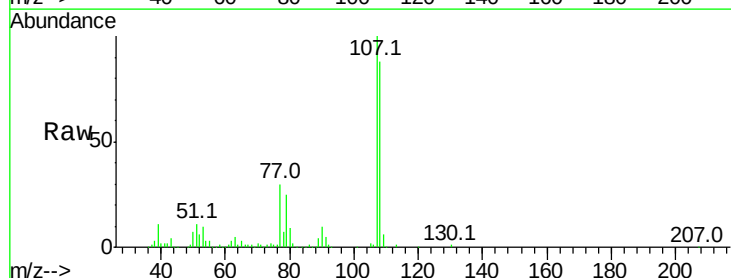
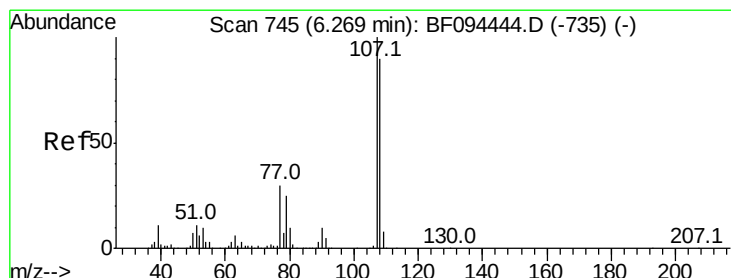
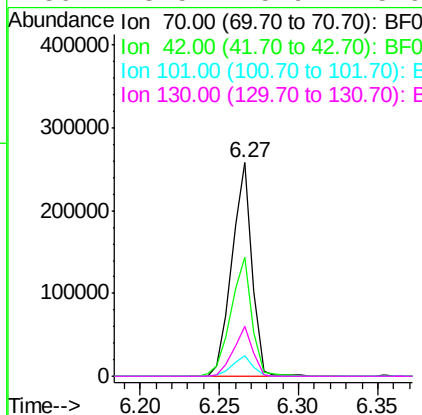
#19
n-Nitroso-di-n-propylamine
Concen: 42.39 ng
RT: 6.27 min Scan# 736
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Lower	Upper
70	100		
42	56.0	47.2	70.8
101	9.6	7.2	10.8
130	23.5	15.9	23.9

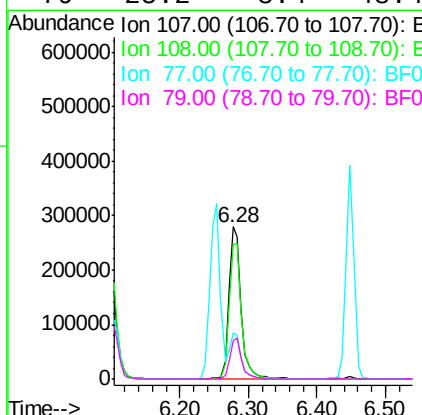
Manual Integrations
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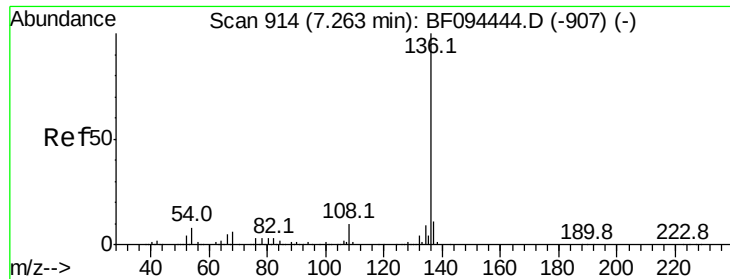
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#20
3+4-Methylphenols
Concen: 42.25 ng
RT: 6.28 min Scan# 738
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.4	71.0	111.0
77	30.3	90.5	130.5#
79	25.2	8.4	48.4





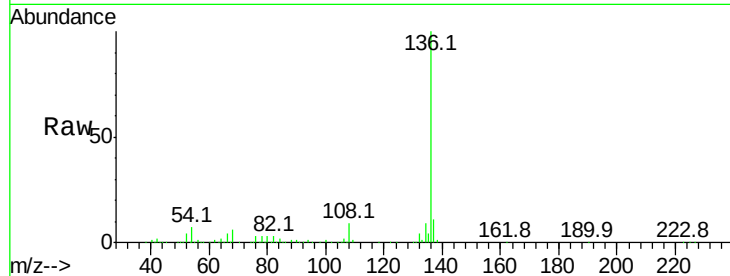
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.27 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-DRUMS(COMP)M

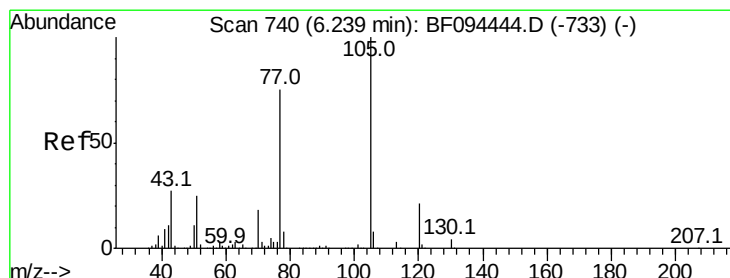
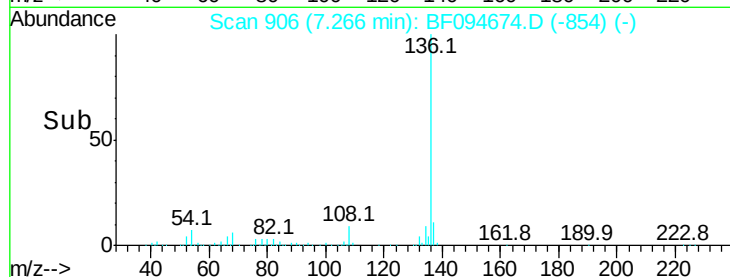
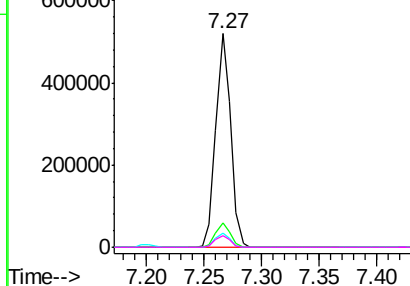
Tot Ion	Ratio	Resp	Lower	Upper
136	100	466739		
137	11.1	8.5	12.7	
54	6.9	4.9	7.3	
68	5.5	4.1	6.1	

Manual Integrations
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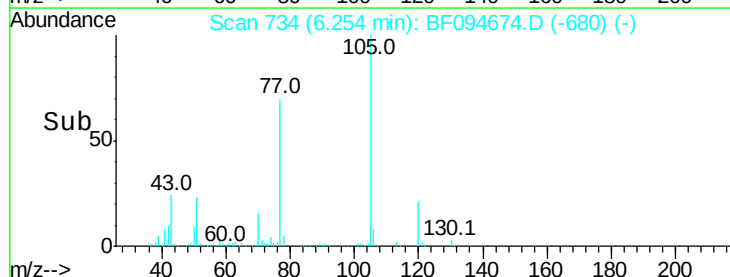
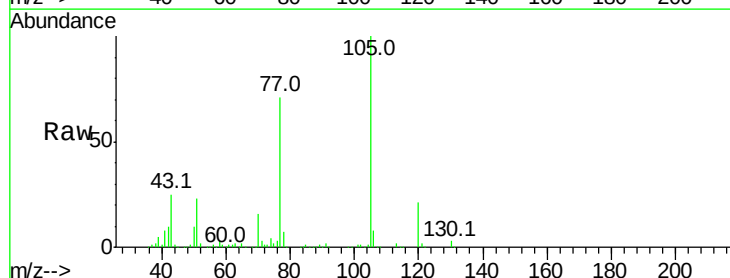
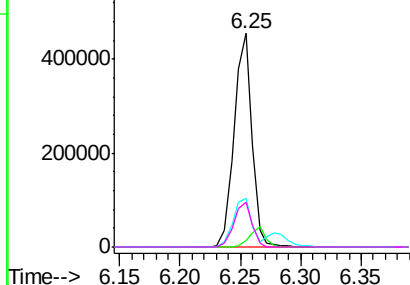
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

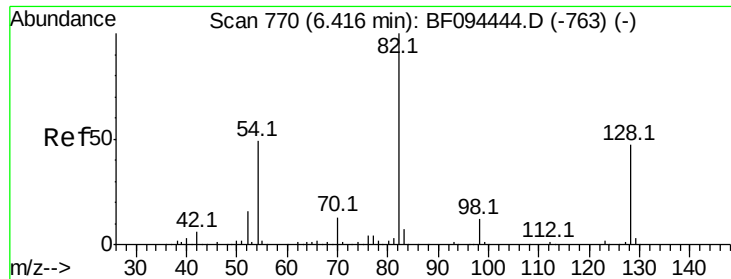


#22
Acetophenone
Concen: 41.40 ng
RT: 6.25 min Scan# 734
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	469789		
71	2.8	2.8	4.2#	
51	23.0	30.7	46.1#	
120	20.9	17.4	26.0	

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





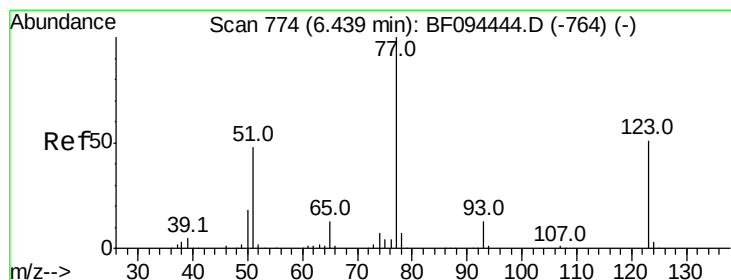
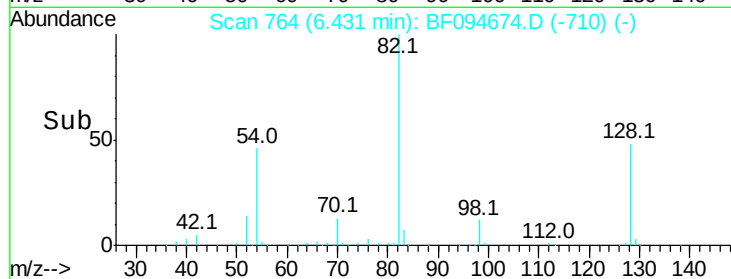
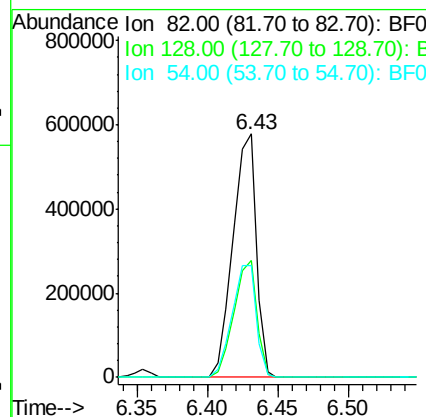
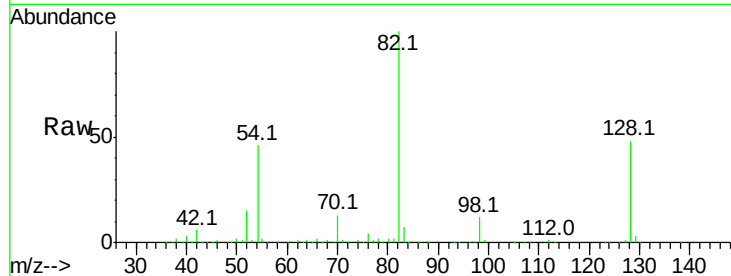
#23
Nitrobenzene-d5
Concen: 88.26 ng
RT: 6.43 min Scan# 764
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.2	34.0	51.0	
54	46.1	42.2	63.2	

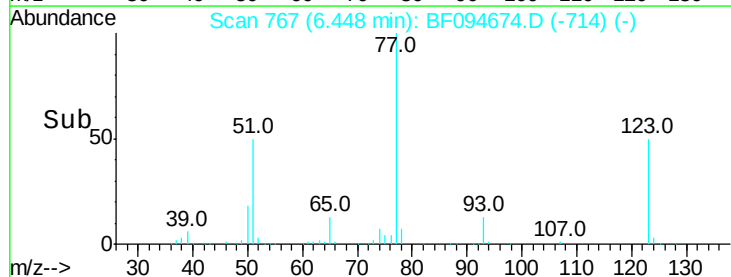
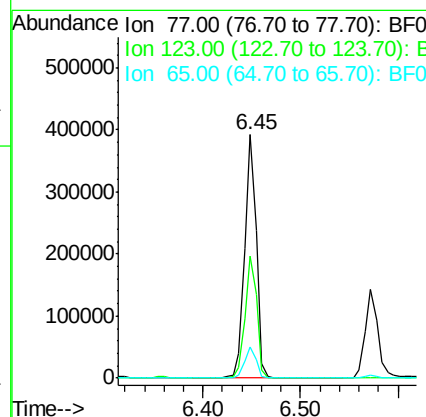
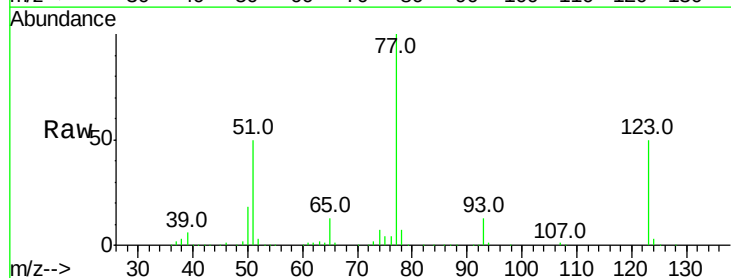
Manual Integrations
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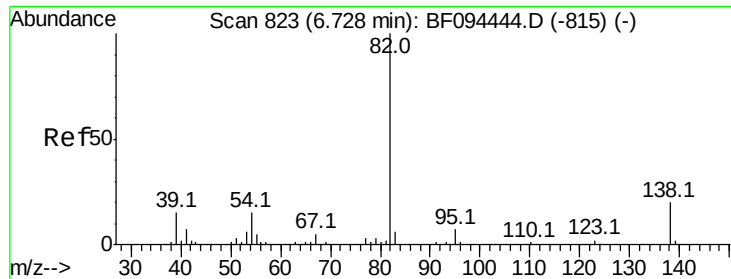
mohammad
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#24
Nitrobenzene
Concen: 40.54 ng
RT: 6.45 min Scan# 767
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	50.0	35.8	53.8	
65	12.8	10.6	15.8	





#25

Isophorone

Concen: 42.82 ng

RT: 6.74 min Scan# 816

Delta R.T. 0.01 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

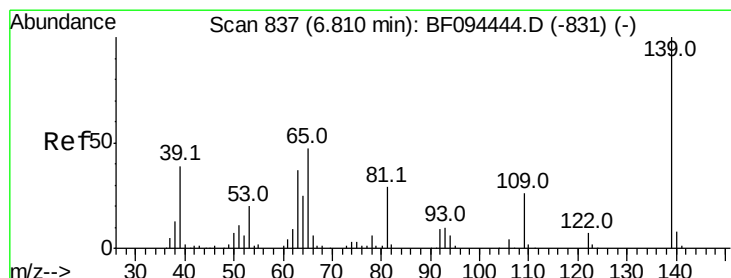
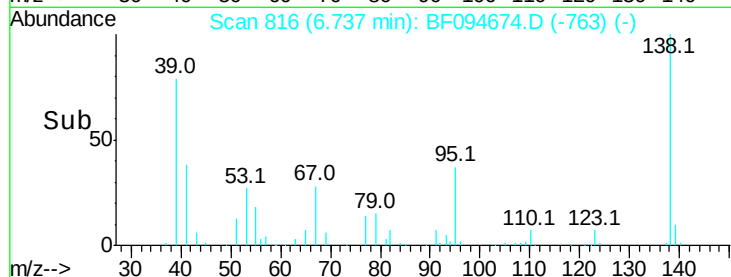
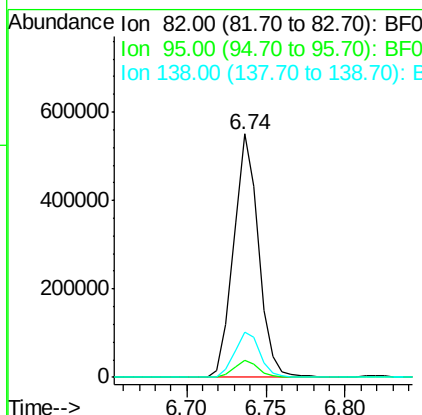
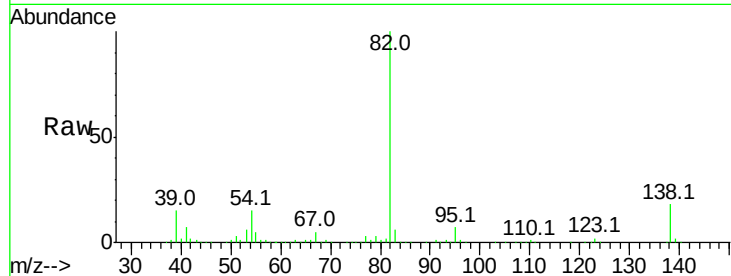
ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:	82	Resp:	599993
Ion Ratio		Lower	Upper
82	100		
95	6.9	5.3	7.9
138	18.5	13.1	19.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 43.03 ng

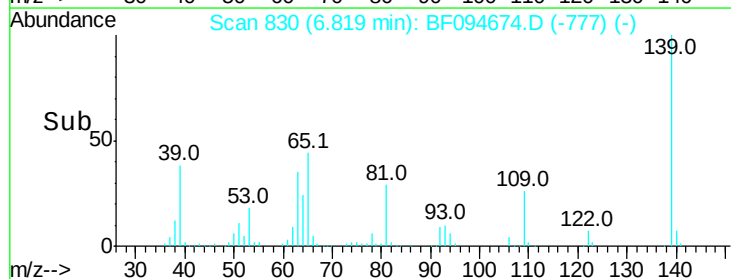
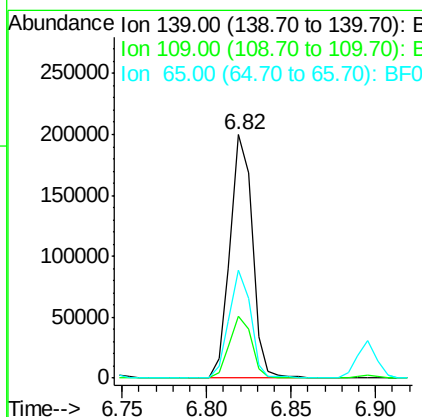
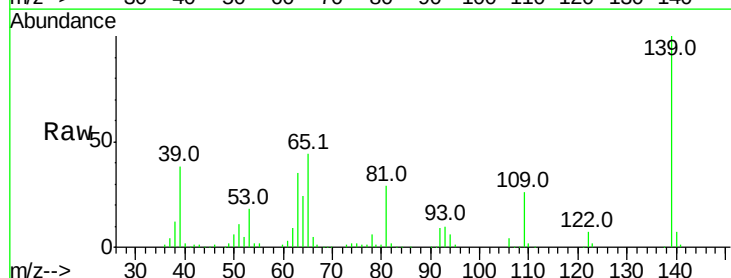
RT: 6.82 min Scan# 830

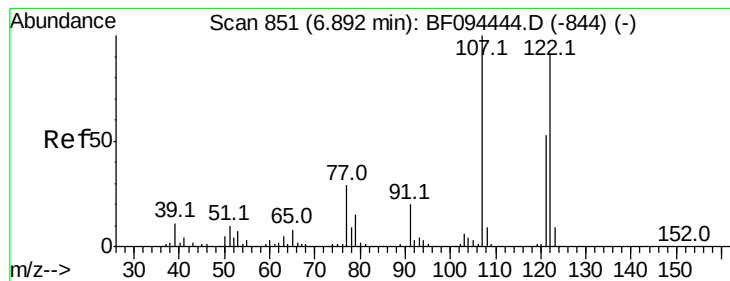
Delta R.T. 0.01 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Tgt Ion:	139	Resp:	183996
Ion Ratio		Lower	Upper
139	100		
109	25.6	21.0	31.6
65	44.5	33.0	49.6





#27

2,4-Dimethylphenol

Concen: 41.73 ng

RT: 6.90 min Scan# 843

Delta R.T. 0.00 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

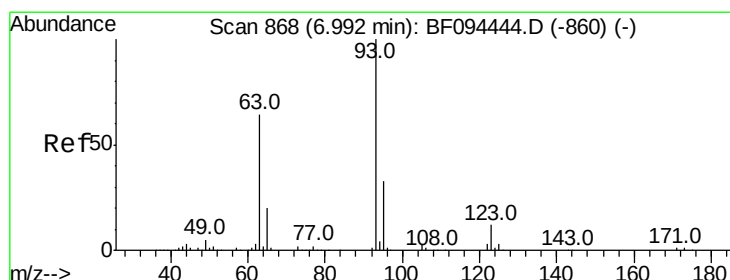
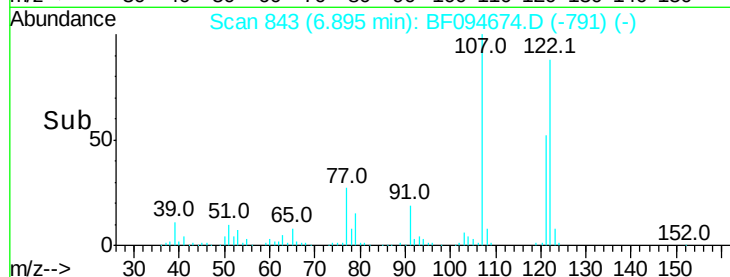
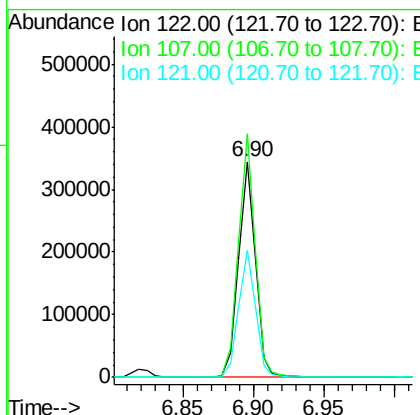
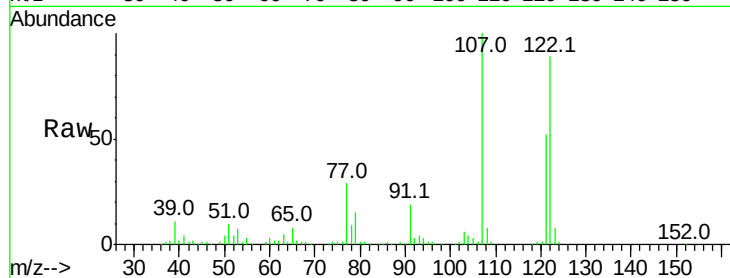
ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:	122	Resp:	289861
Ion Ratio	Lower	Upper	
122	100		
107	113.0	89.2	133.8
121	58.8	45.2	67.8

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#28

bis(2-Chloroethoxy)methane

Concen: 42.52 ng

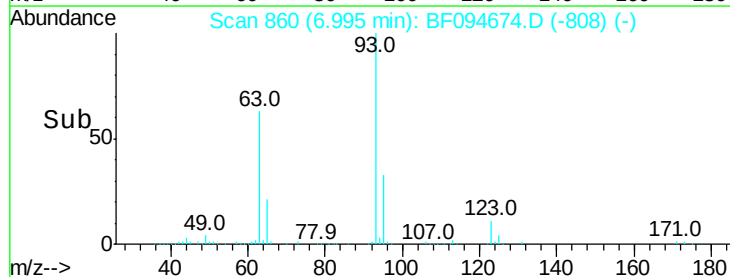
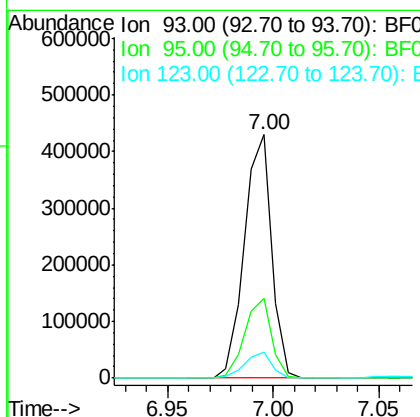
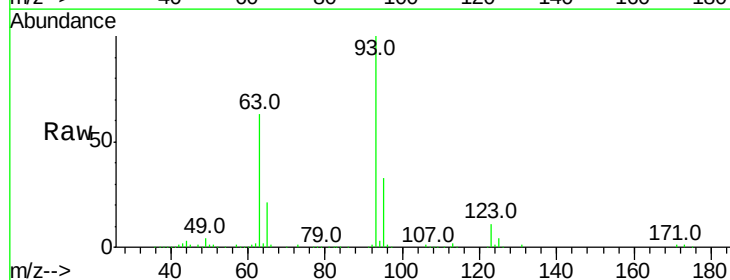
RT: 7.00 min Scan# 860

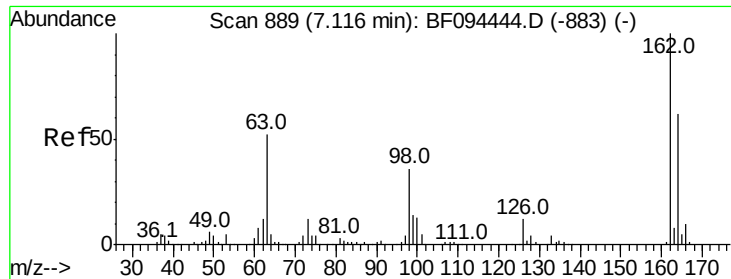
Delta R.T. 0.00 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Tgt Ion:	93	Resp:	385423
Ion Ratio	Lower	Upper	
93	100		
95	32.5	26.5	39.7
123	10.9	9.0	13.4





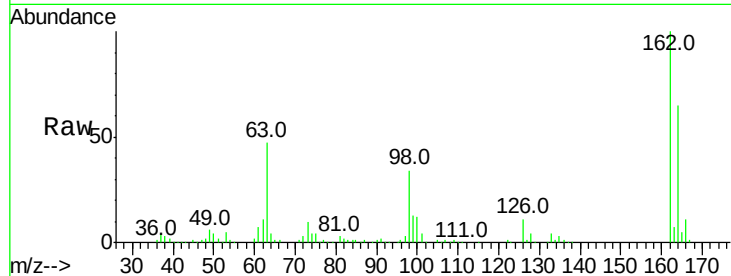
#29
 2,4-Dichlorophenol
 Concen: 44.05 ng
 RT: 7.12 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-DRUMS(COMP)M

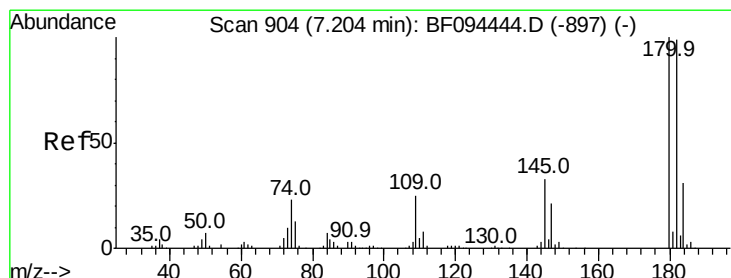
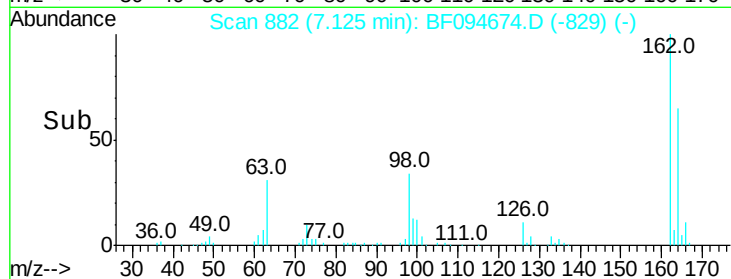
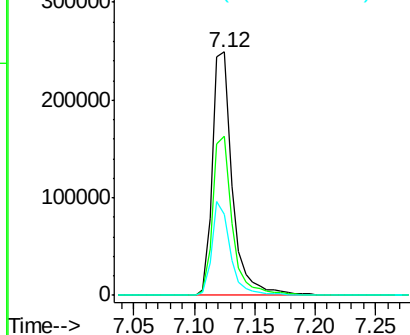
Tot Ion:	162	Resp:	284651
Ion Ratio	Lower	Upper	
162	100		
164	65.4	44.6	84.6
98	33.5	14.8	54.8

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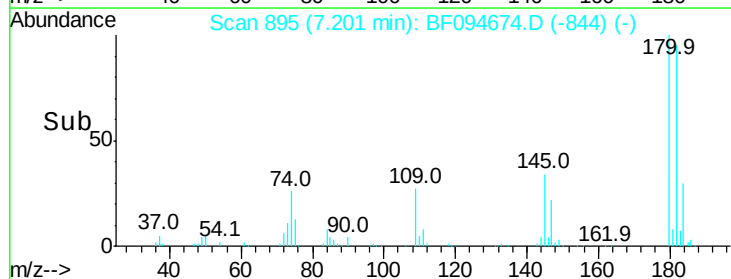
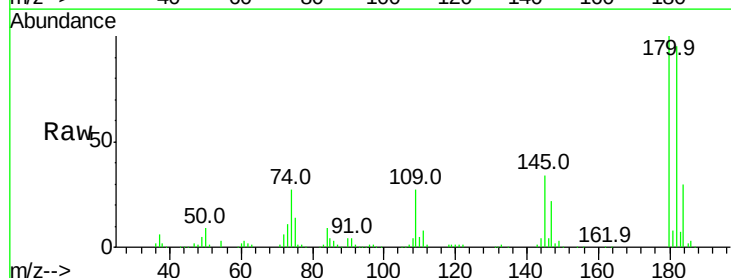
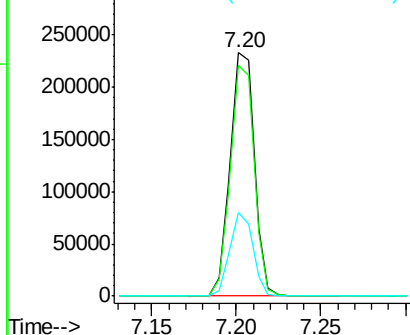
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

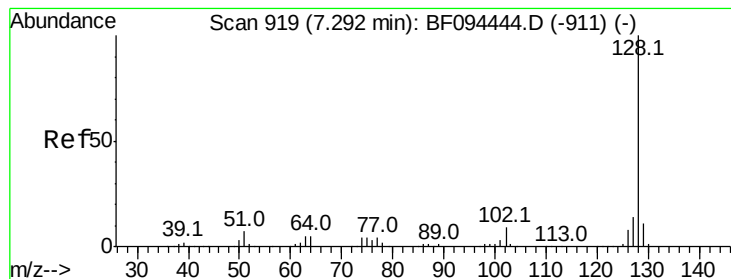


#30
 1,2,4-Trichlorobenzene
 Concen: 34.62 ng
 RT: 7.20 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Tgt Ion:	180	Resp:	231272
Ion Ratio	Lower	Upper	
180	100		
182	94.9	75.8	113.6
145	34.4	25.3	37.9

Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 36.32 ng

RT: 7.30 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

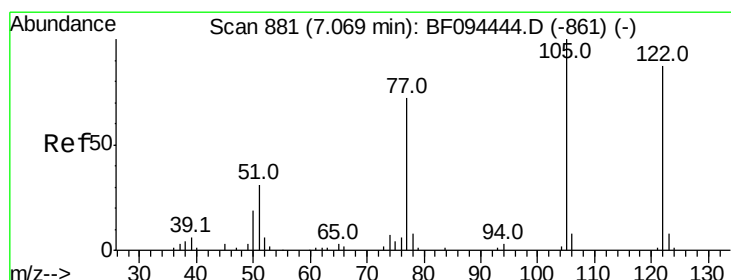
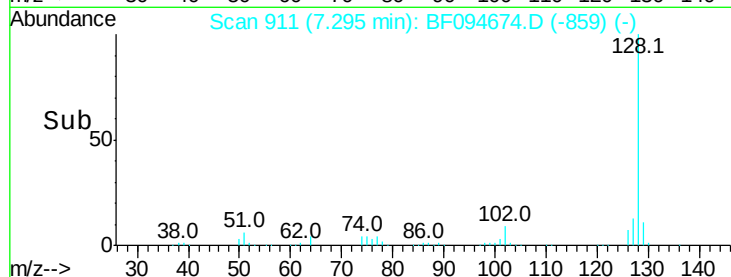
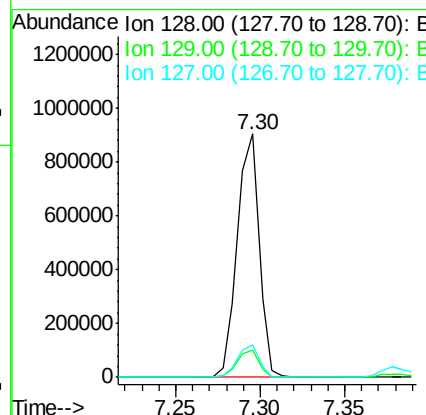
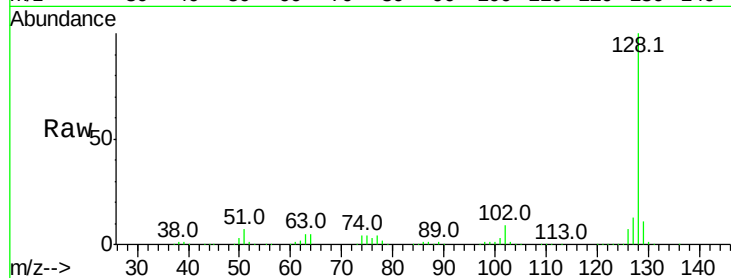
ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:	128	Resp:	814880
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.0	13.6
127	13.5	10.8	16.2

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#32

Benzoic acid

Concen: 49.69 ng

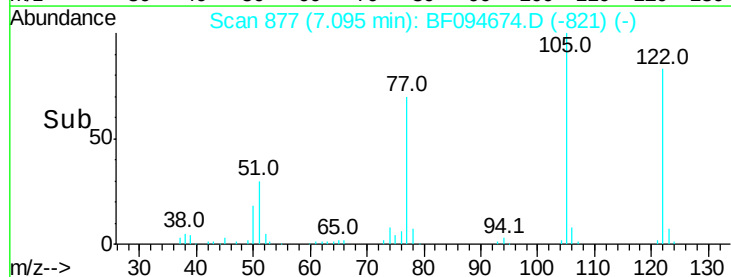
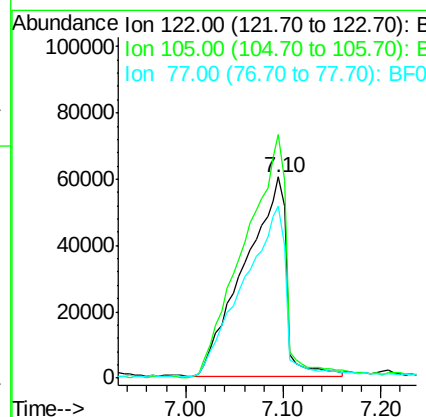
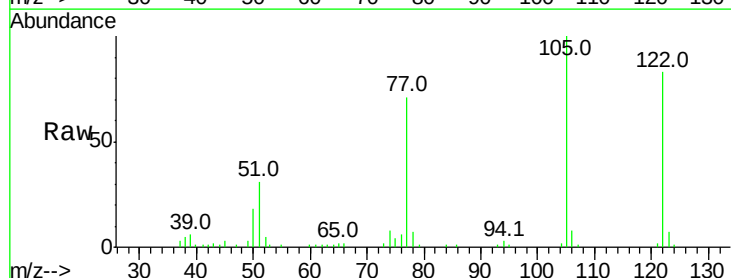
RT: 7.10 min Scan# 877

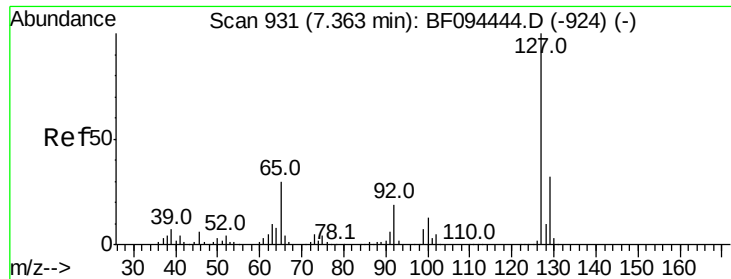
Delta R.T. 0.03 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Tgt Ion:	122	Resp:	182516
Ion Ratio	Lower	Upper	
122	100		
105	121.2	103.3	143.3
77	85.9	73.7	113.7





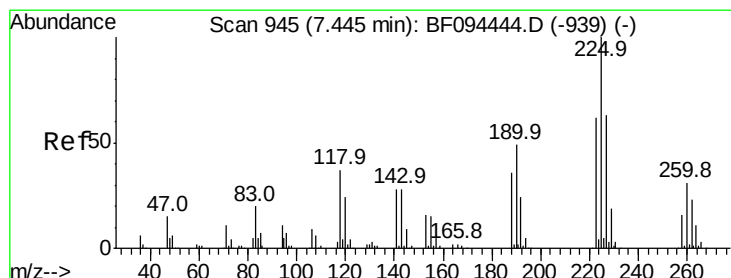
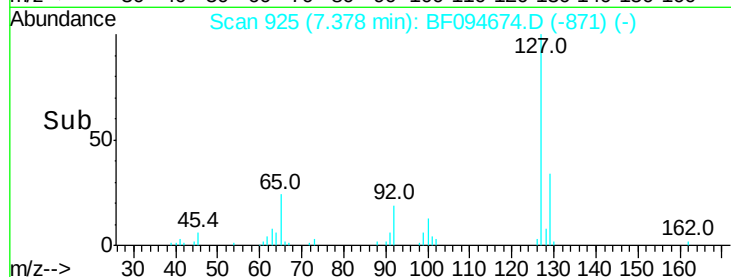
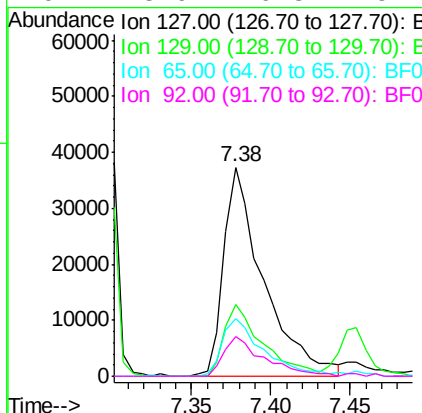
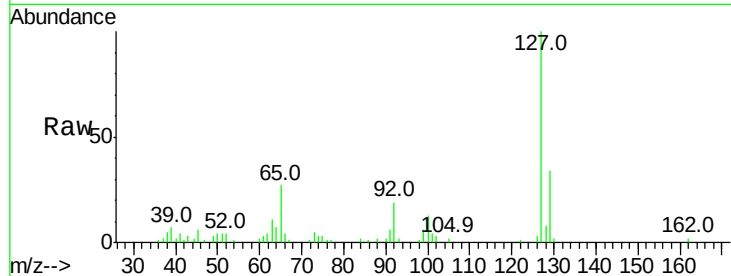
#33
4-Chloroaniline
Concen: 6.96 ng
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Lower	Upper
127	100		
129	34.0	26.2	39.2
65	27.5	27.8	41.8
92	18.9	16.8	25.2

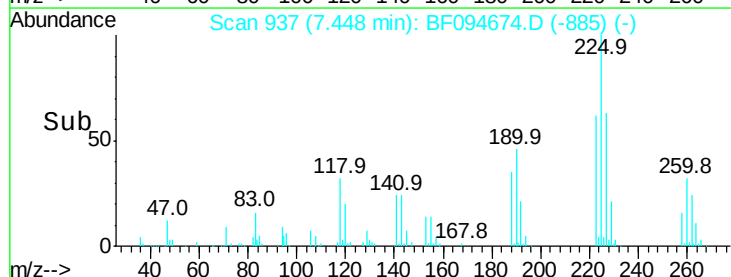
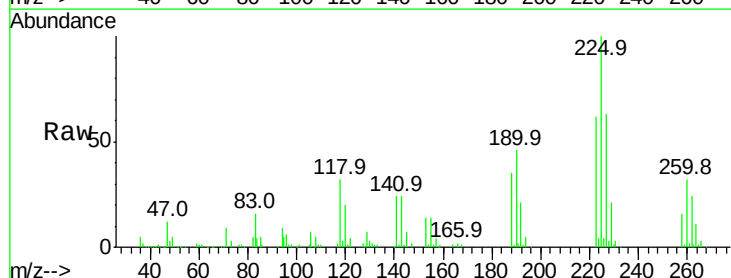
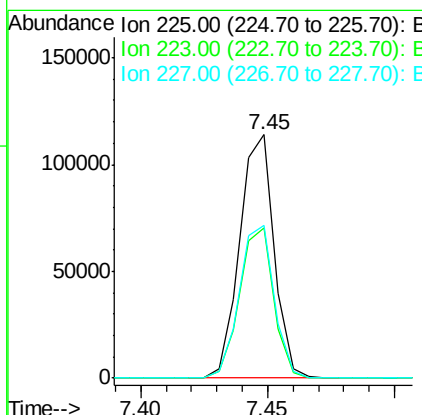
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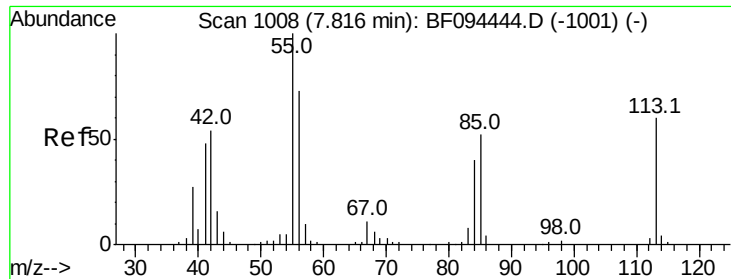
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#34
Hexachlorobutadiene
Concen: 32.16 ng
RT: 7.45 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	48.8	73.2
227	62.8	51.1	76.7





#35

Caprolactam

Concen: 31.78 ng/mL

RT: 7.85 min Scan# 1005

Delta R.T. 0.03 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:113 Resp: 64508

Ion Ratio Lower Upper

113 100

55 155.8 150.2 190.2

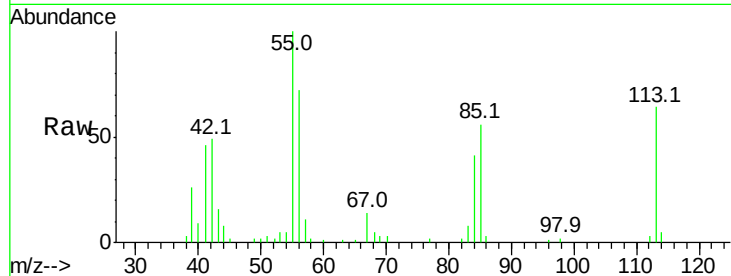
56 112.0 107.8 147.8

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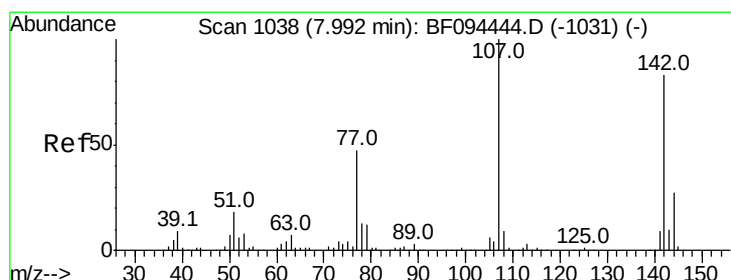
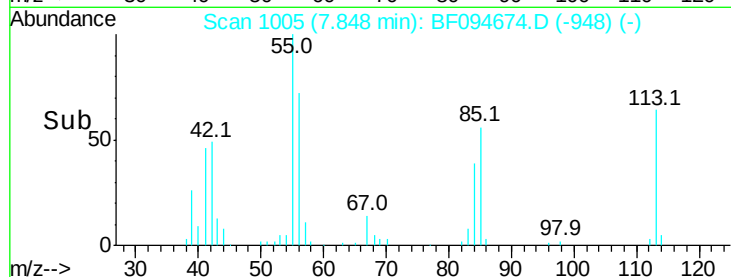
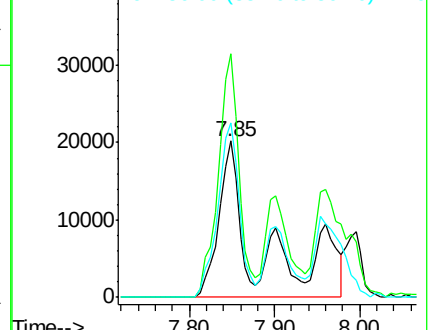
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 43.98 ng/mL

RT: 8.00 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

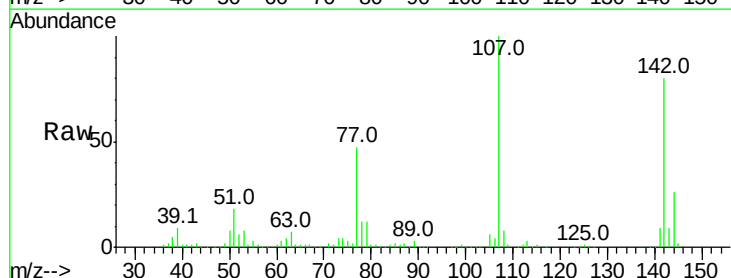
Tgt Ion:107 Resp: 297853

Ion Ratio Lower Upper

107 100

144 25.9 24.2 36.4

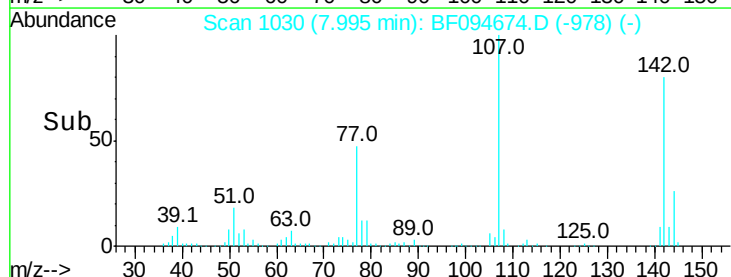
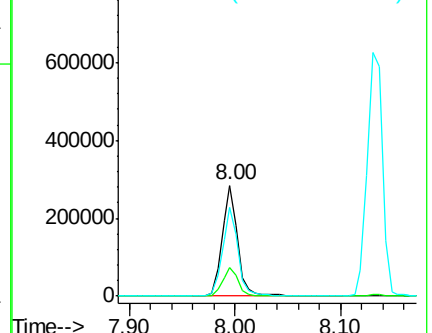
142 80.4 73.4 110.0

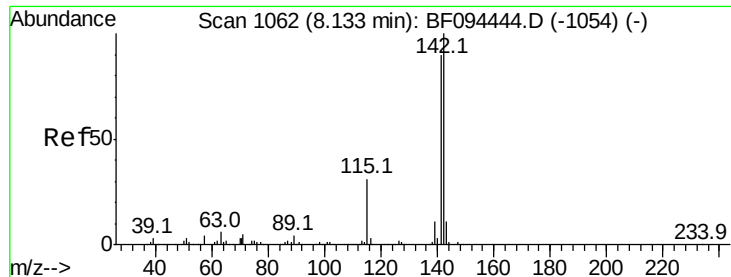


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





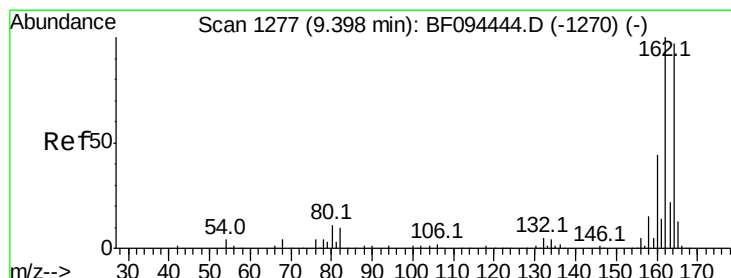
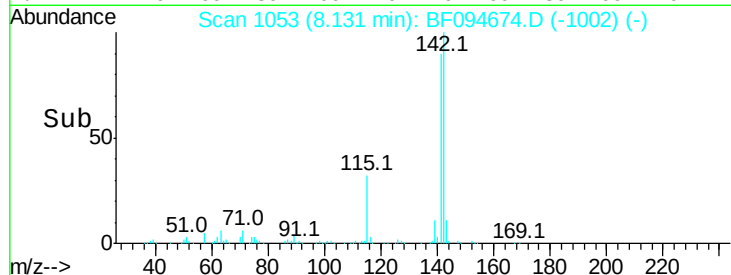
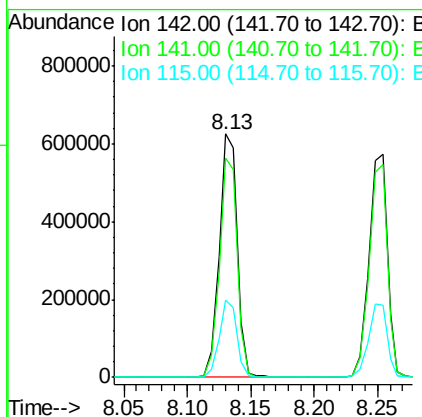
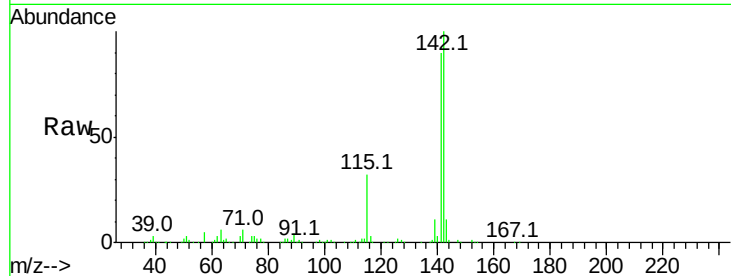
#37
2-Methylnaphthalene
Concen: 40.49 ng
RT: 8.13 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Resp	Lower	Upper
142	100	621610		
141	89.9	71.3	106.9	
115	31.6	27.1	40.7	

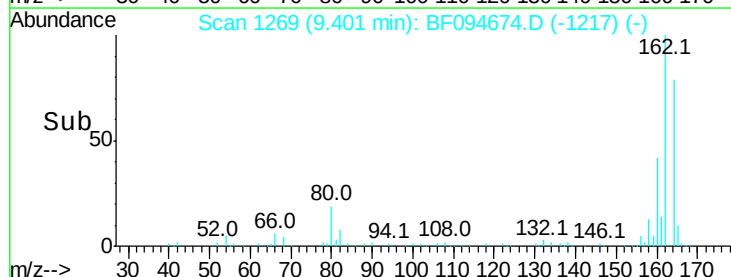
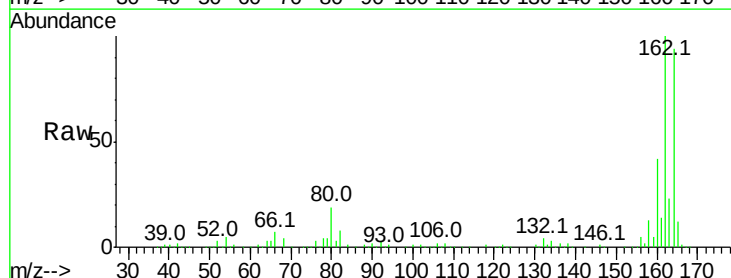
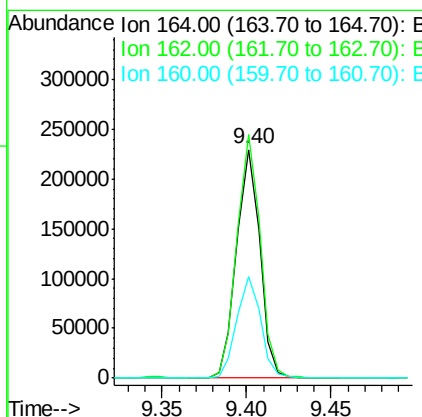
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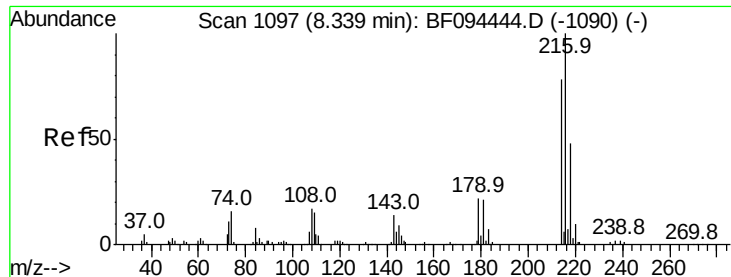
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.40 min Scan# 1269
Delta R.T. 0.00 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	220812		
162	106.6	82.6	123.8	
160	44.5	36.2	54.2	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.50 ng

RT: 8.34 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

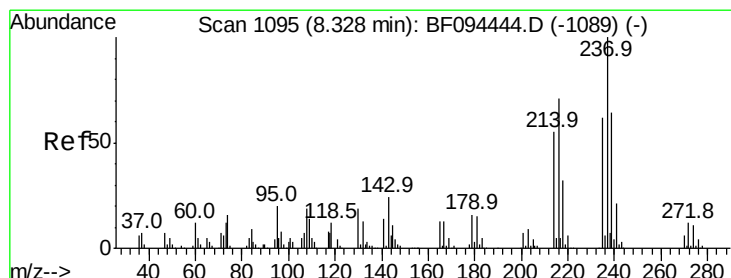
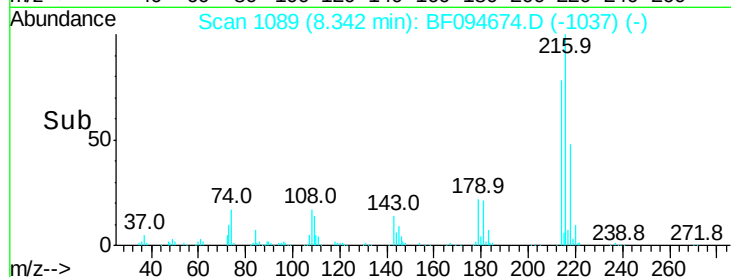
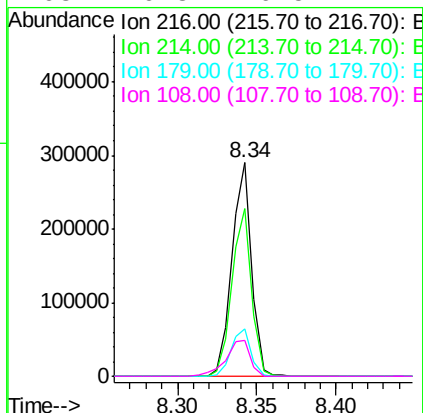
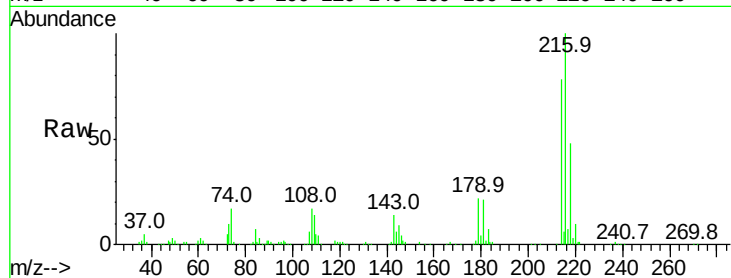
ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Resp	Lower	Upper
216	100	248382		
214	78.9	63.4	95.2	
179	22.1	17.9	26.9	
108	20.8	16.5	24.7	

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#40

Hexachlorocyclopentadiene

Concen: 70.68 ng

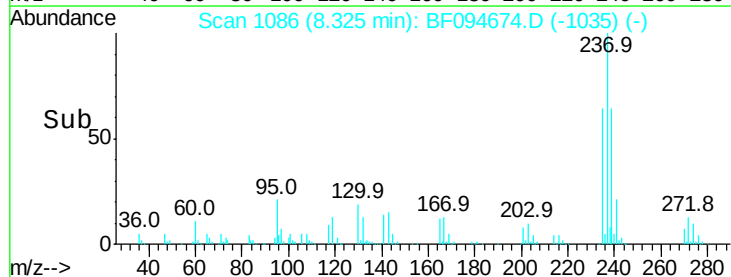
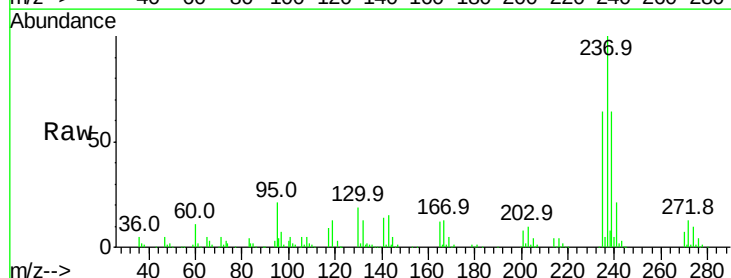
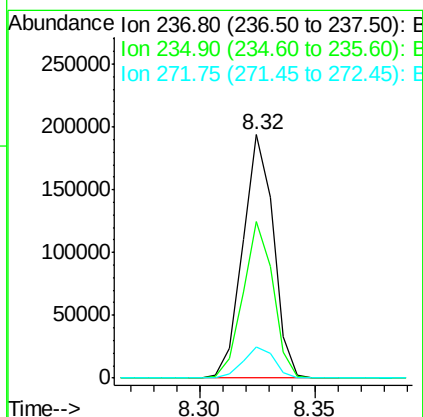
RT: 8.32 min Scan# 1086

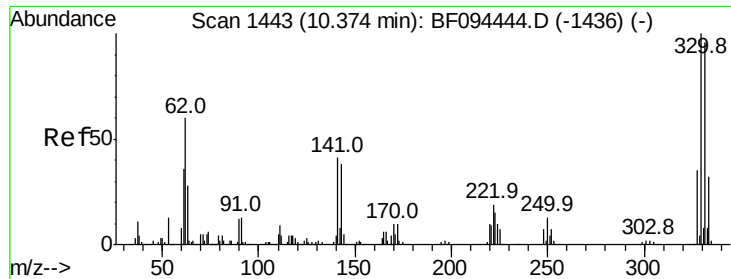
Delta R.T. -0.00 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	179780		
235	64.1	42.6	82.6	
272	12.7	0.0	31.9	





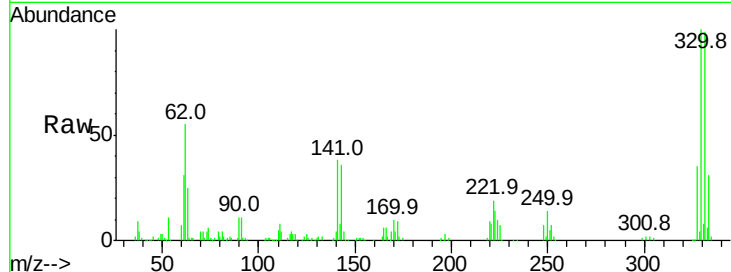
#41
 2,4,6-Tribromophenol
 Concen: 138.32 ng
 RT: 10.38 min Scan# 1436
 Delta R.T. 0.01 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-DRUMS(COMP)M

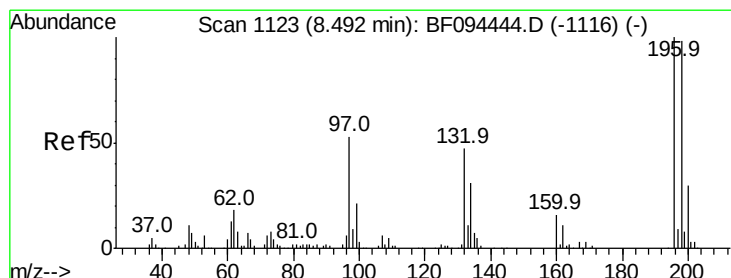
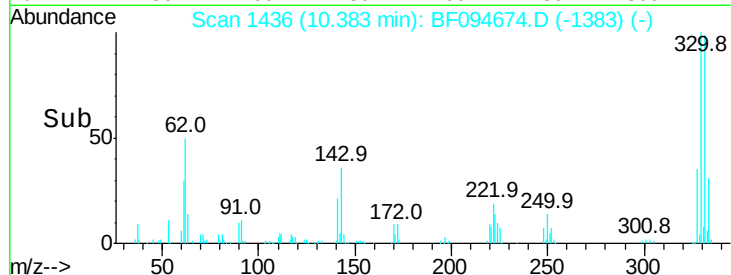
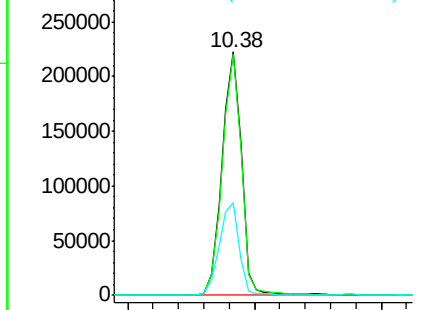
Tot Ion	Ratio	Resp	Lower	Upper
330	100	238908		
332	97.6	76.6	115.0	
141	39.3	31.4	47.2	

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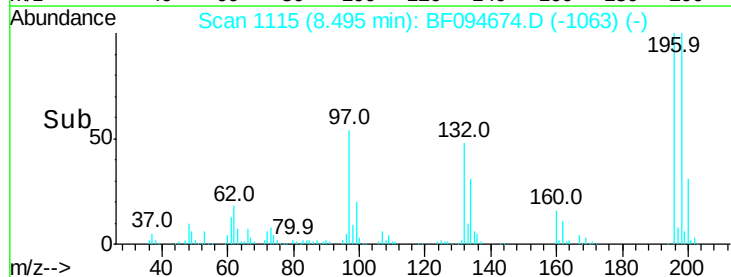
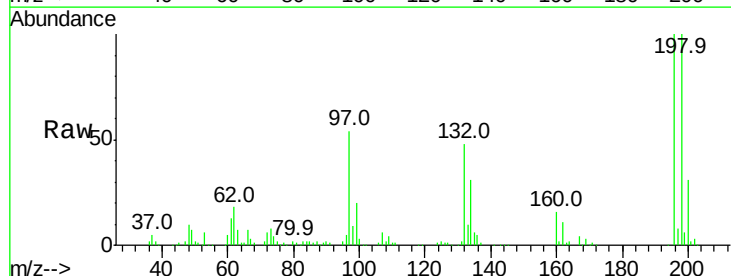
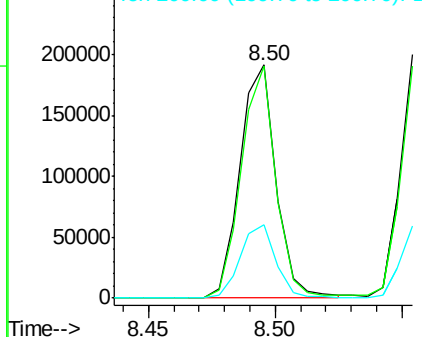
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

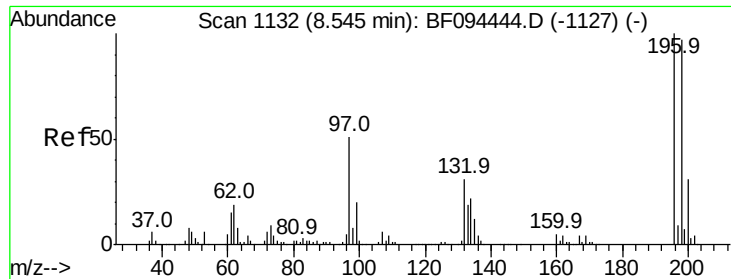


#42
 2,4,6-Trichlorophenol
 Concen: 42.77 ng
 RT: 8.50 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	188870		
198	99.5	74.2	111.4	
200	31.3	24.0	36.0	

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





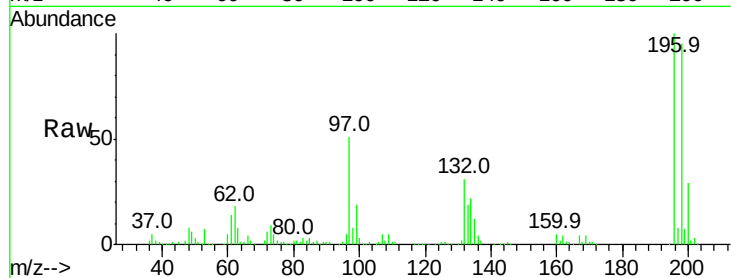
#43
 2,4,5-Trichlorophenol
 Concen: 44.77 ng
 RT: 8.55 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	196	Resp	203000
Ion Ratio	Lower	Upper	
196	100		
198	95.2	75.7	113.5
97	50.7	47.7	71.5
132	31.5	28.0	42.0

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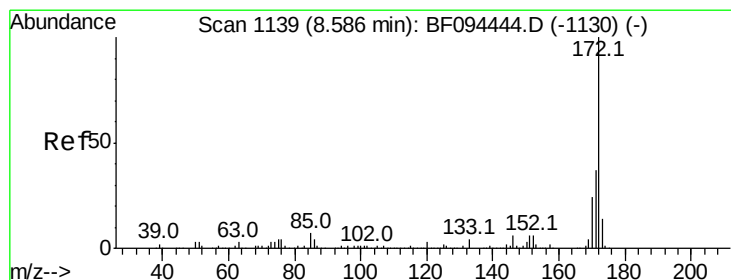
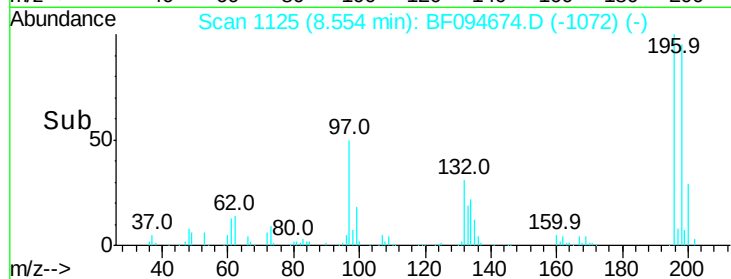
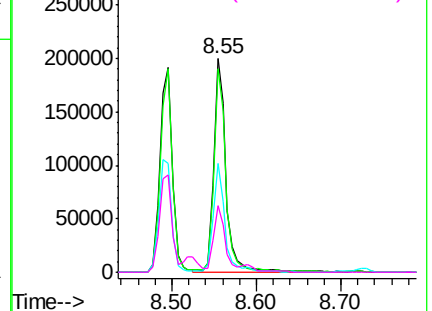
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 83.03 ng
 RT: 8.59 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

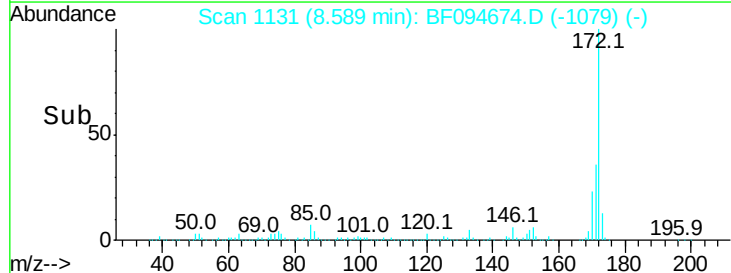
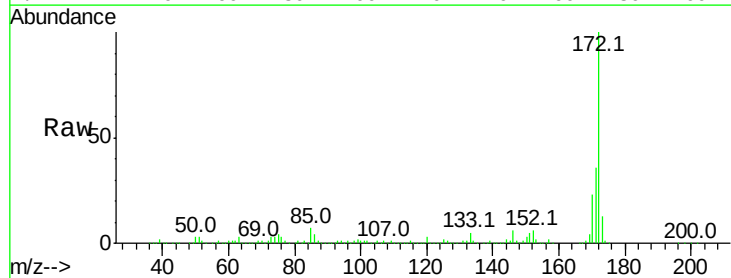
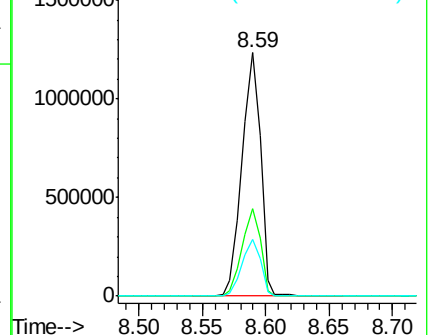
Tgt Ion	172	Resp	1246075
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.6	44.4
170	23.5	19.8	29.8

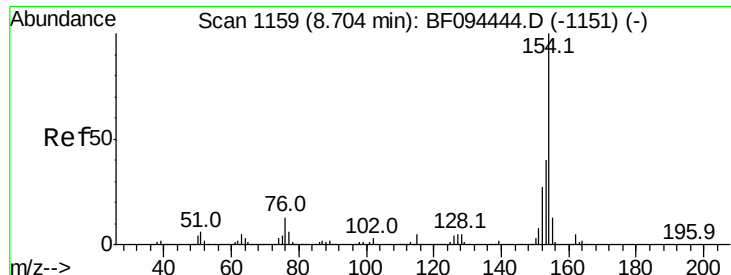
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 41.05 ng

RT: 8.71 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

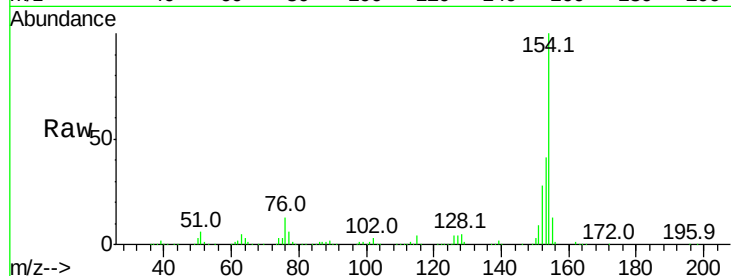
ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

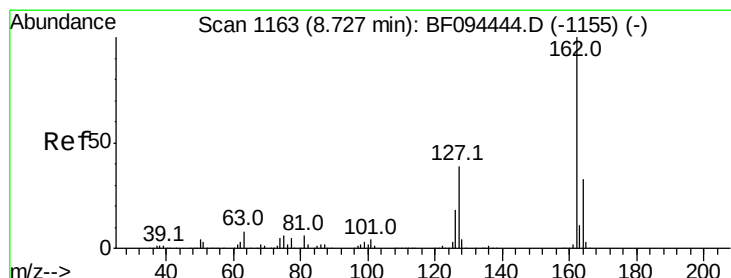
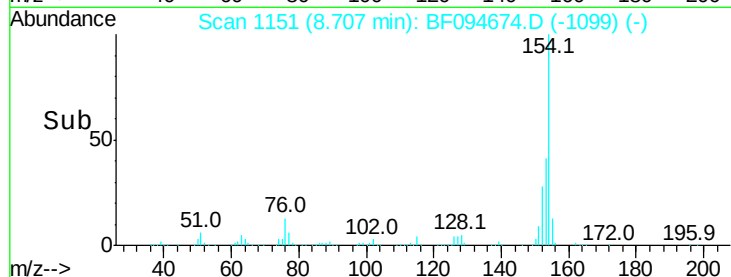
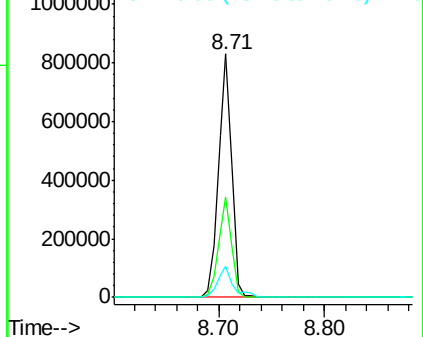
Tot Ion:	154	Resp:	740657
Ion Ratio	Lower	Upper	
154	100		
153	41.1	21.2	61.2
76	12.9	0.0	29.9

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 40.95 ng

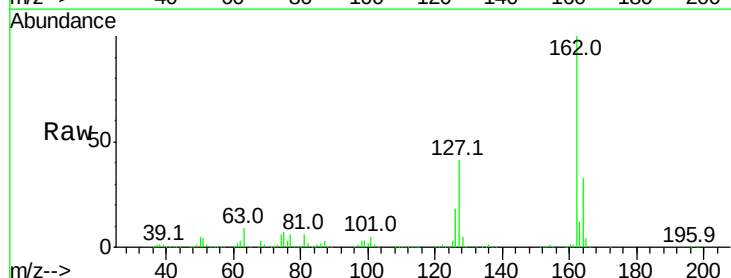
RT: 8.72 min Scan# 1154

Delta R.T. -0.00 min

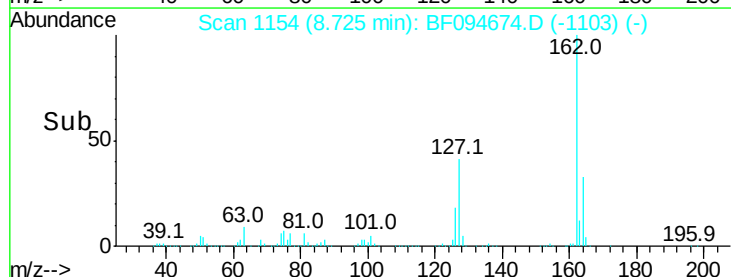
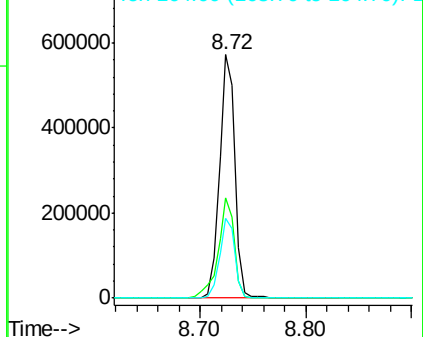
Lab File: BF094674.D

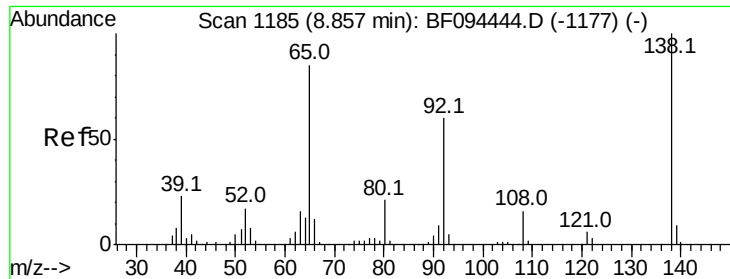
Acq: 27 Apr 2017 20:08

Tgt Ion:	162	Resp:	587379
Ion Ratio	Lower	Upper	
162	100		
127	41.3	28.3	42.5
164	32.7	27.0	40.4



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





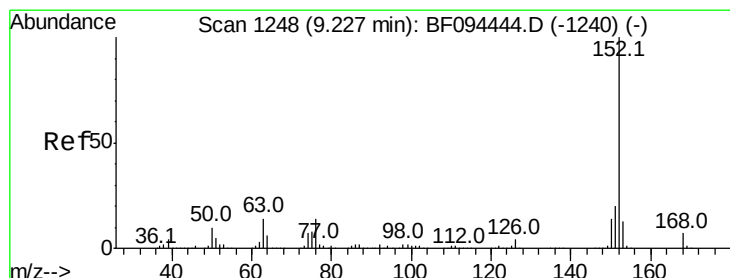
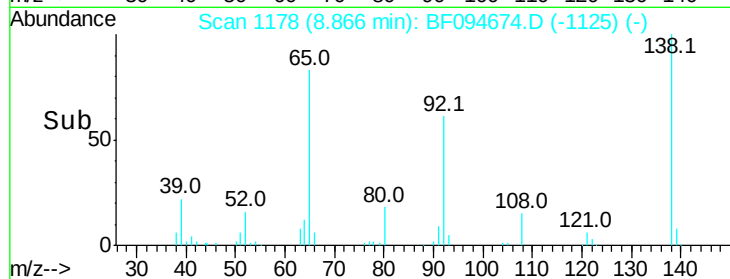
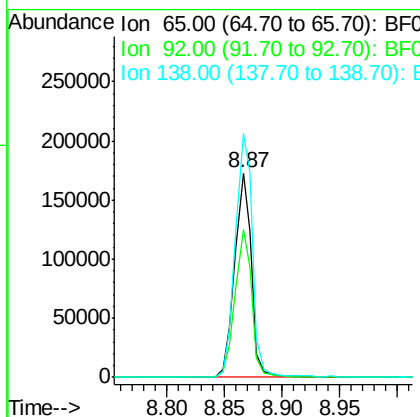
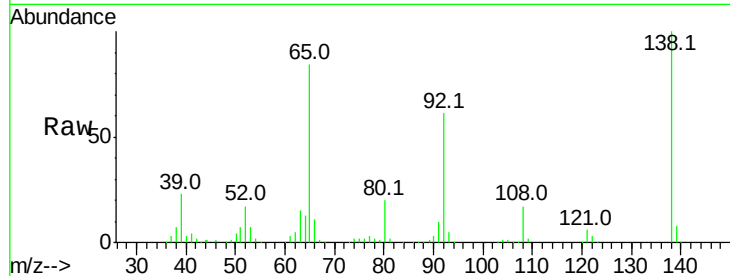
#47
 2-Nitroaniline
 Concen: 41.99 ng
 RT: 8.87 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Lower	Upper
65	100		
92	72.5	53.9	80.9
138	119.2	78.8	118.2#

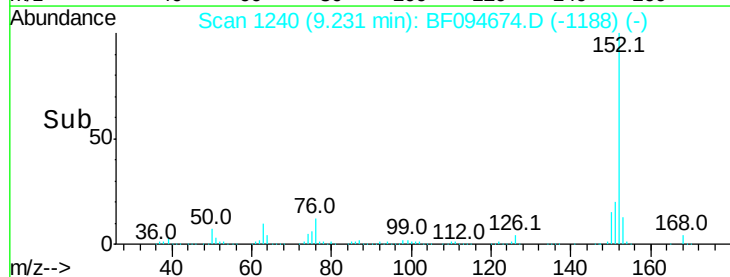
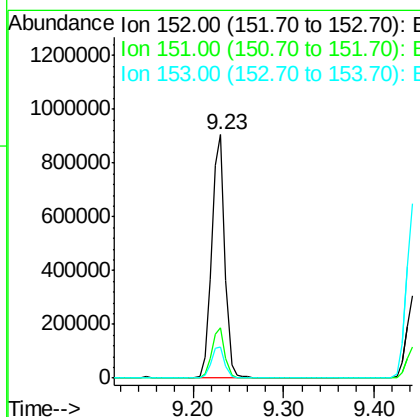
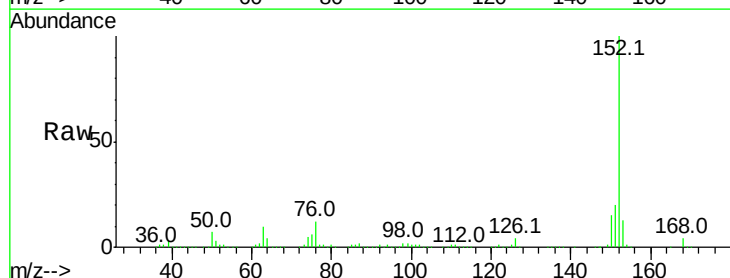
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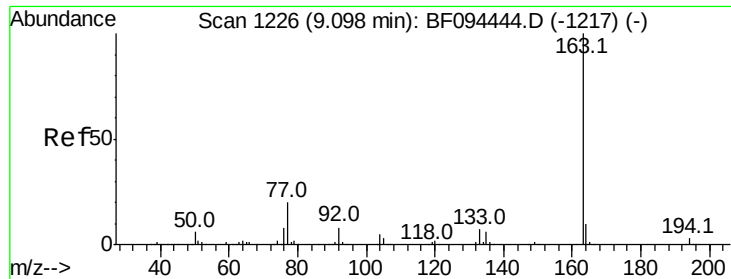
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#48
 Acenaphthylene
 Concen: 41.11 ng
 RT: 9.23 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.8	25.2
153	13.0	10.8	16.2





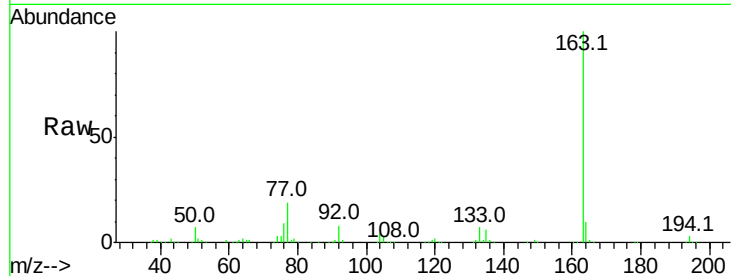
#49
Dimethylphthalate
Concen: 44.90 ng
RT: 9.11 min Scan# 1219
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-DRUMS(COMP)M

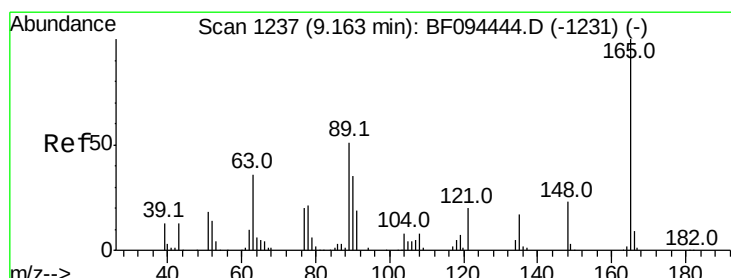
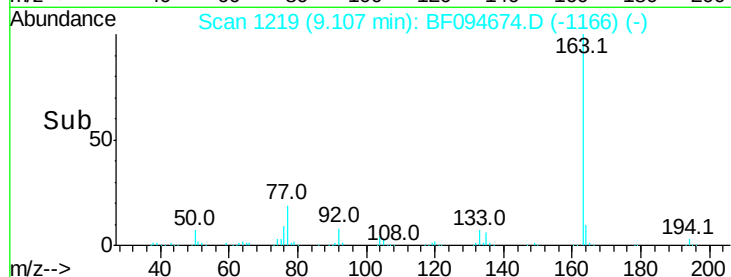
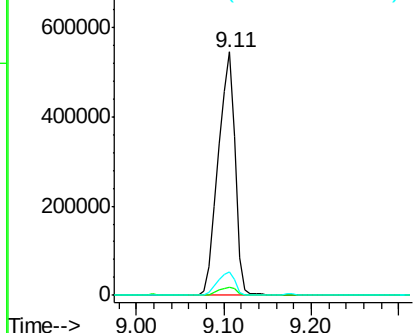
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	2.6	4.0	
164	9.9	8.4	12.6	

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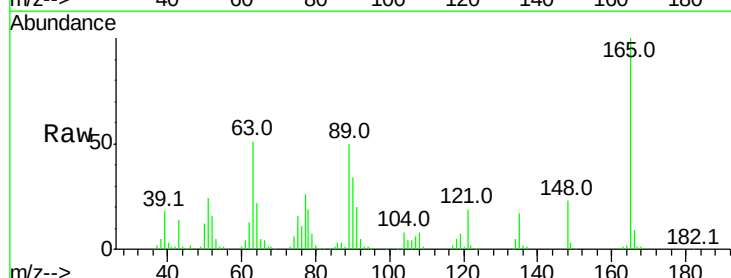


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

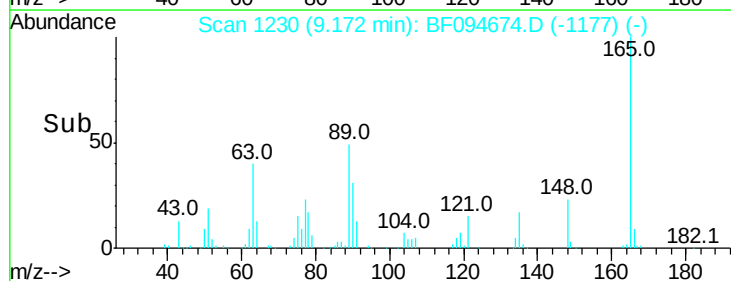
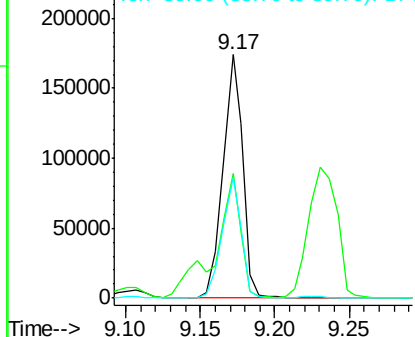


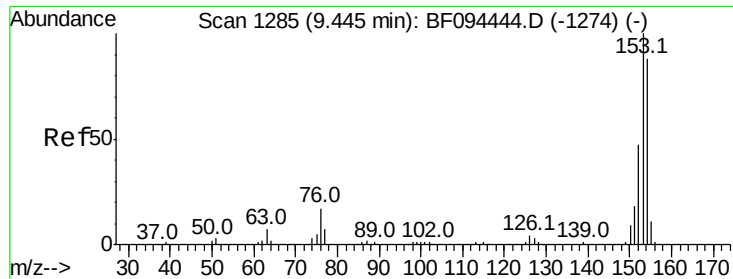
#50
2,6-Dinitrotoluene
Concen: 44.23 ng
RT: 9.17 min Scan# 1230
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	51.3	34.3	51.5	
89	49.6	37.1	55.7	



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 41.67 ng

RT: 9.44 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

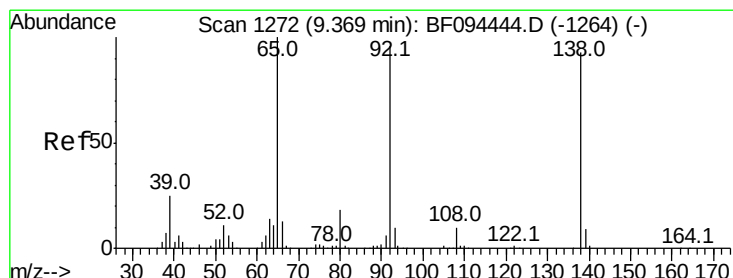
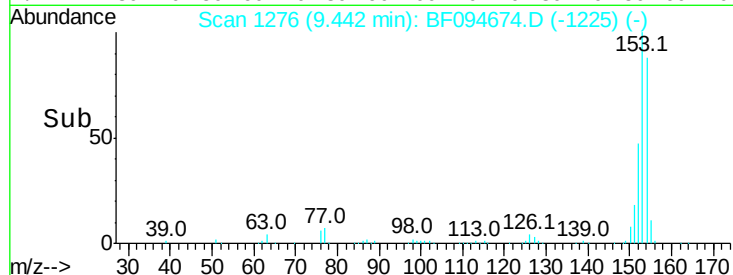
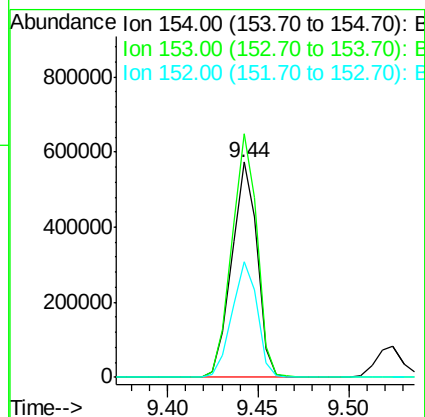
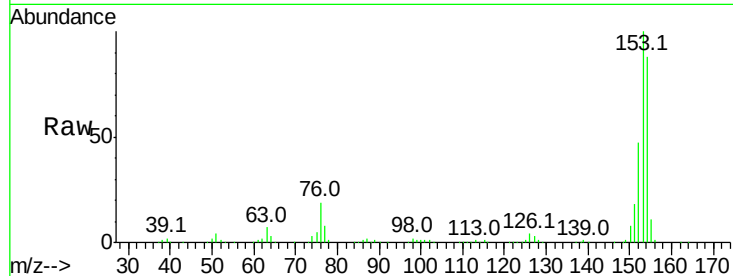
ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:	154	Resp:	558127
Ion Ratio	Lower	Upper	
154	100		
153	113.3	90.5	135.7
152	53.5	43.6	65.4

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#52

3-Nitroaniline

Concen: 16.70 ng

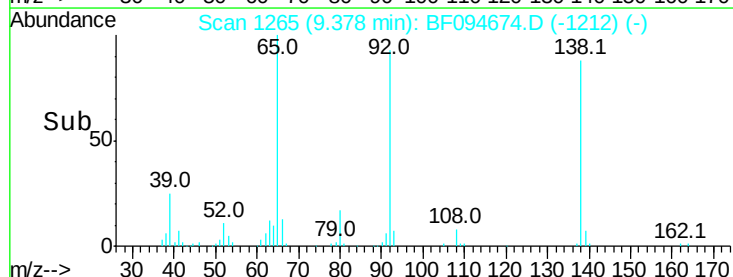
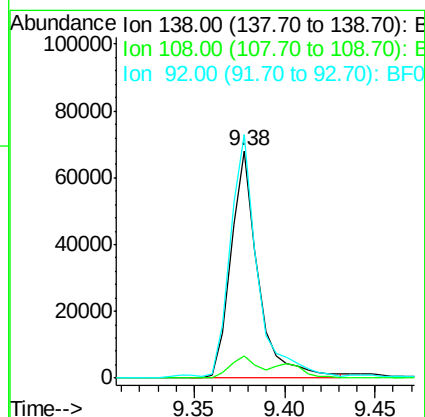
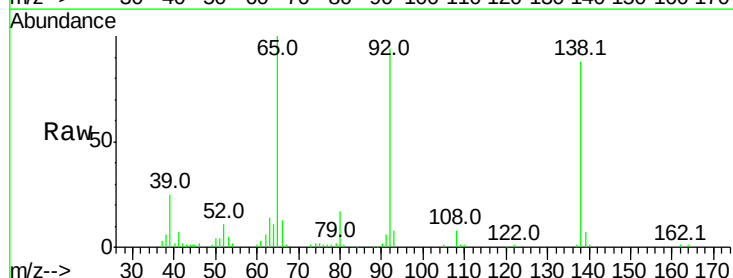
RT: 9.38 min Scan# 1265

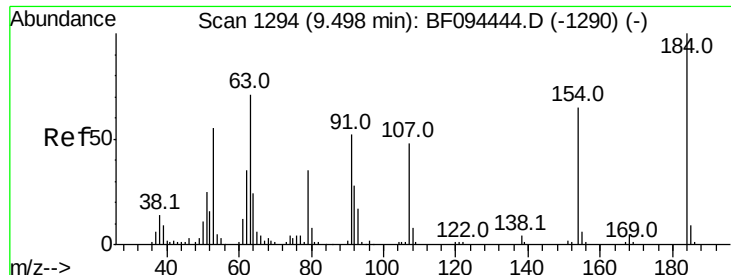
Delta R.T. 0.01 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Tgt Ion:	138	Resp:	71384
Ion Ratio	Lower	Upper	
138	100		
108	9.5	9.1	13.7
92	107.1	93.8	140.6





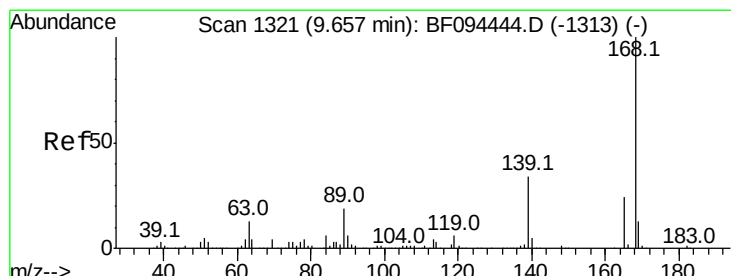
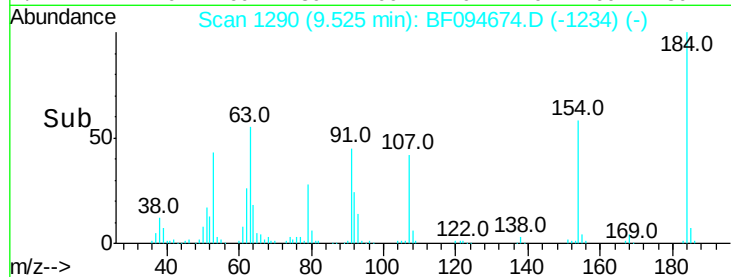
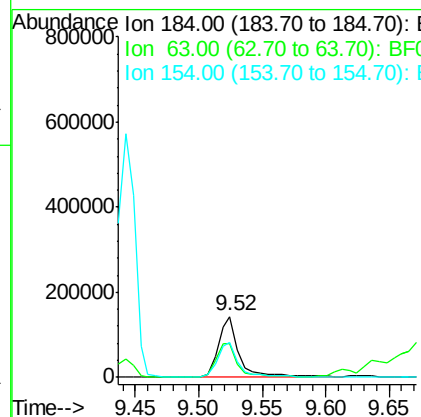
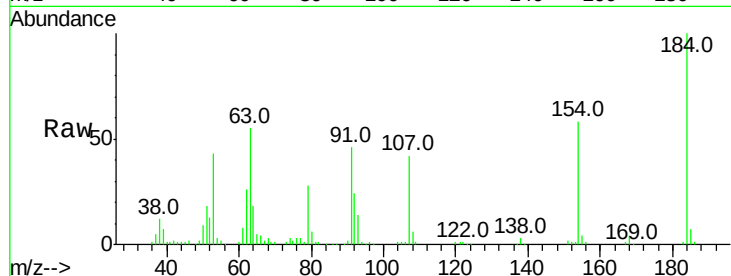
#53
 2,4-Dinitrophenol
 Concen: 82.82 ng
 RT: 9.52 min Scan# 1290
 Delta R.T. 0.03 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:	184	Resp:	166430
Ion Ratio	Lower	Upper	
184	100		
63	55.2	62.7	94.1#
154	58.2	81.1	121.7#

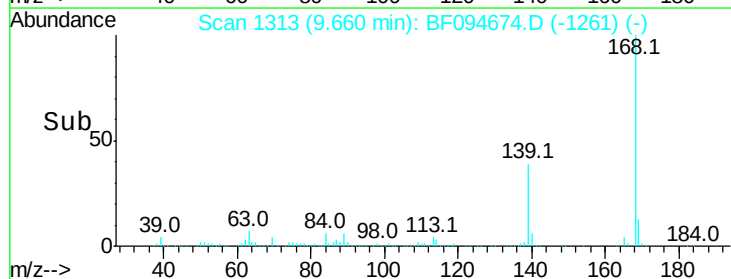
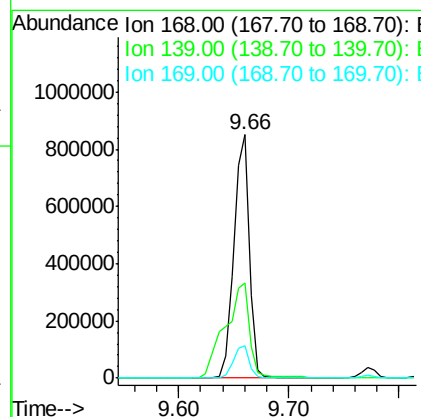
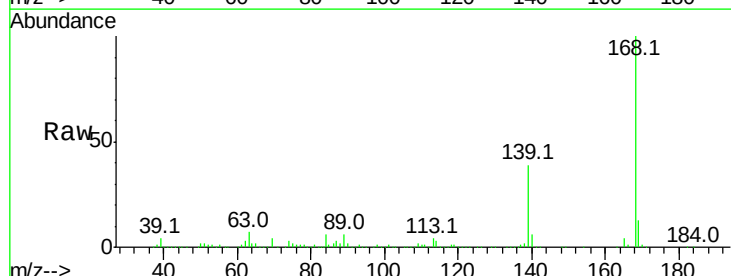
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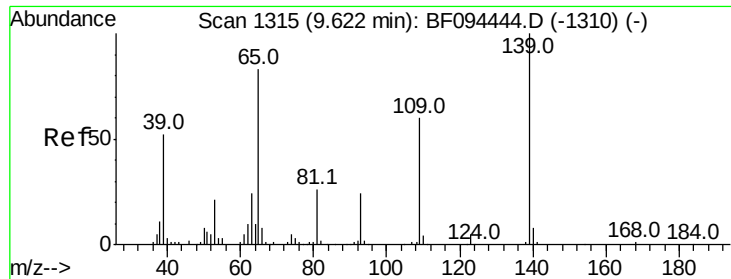
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#54
 Dibenzofuran
 Concen: 43.05 ng
 RT: 9.66 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Tgt Ion:	168	Resp:	837984
Ion Ratio	Lower	Upper	
168	100		
139	39.0	30.6	45.8
169	13.1	10.8	16.2





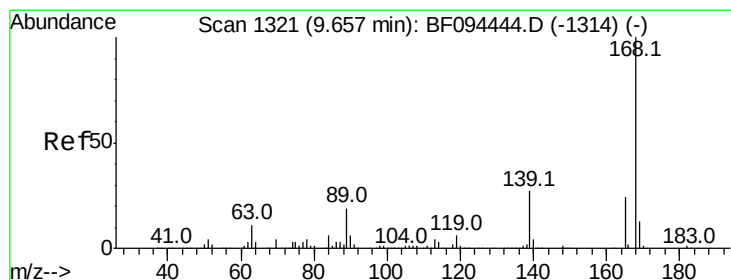
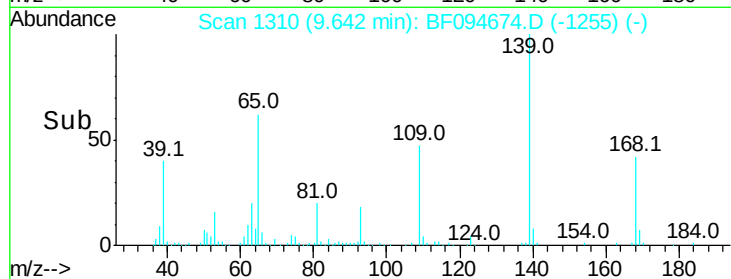
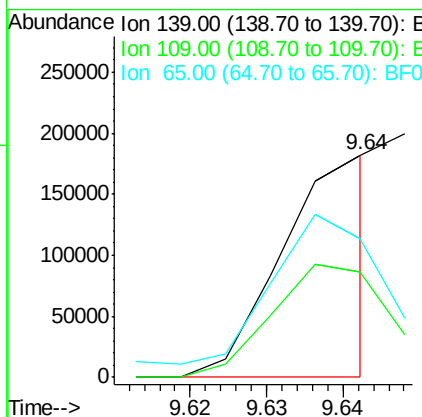
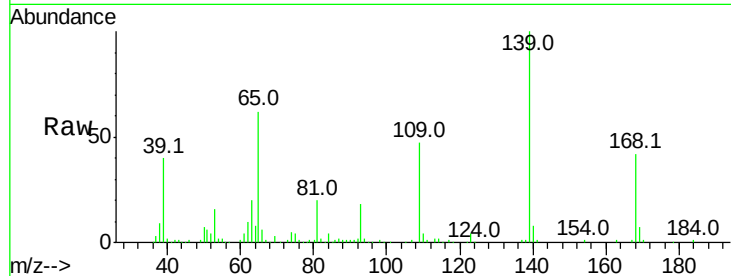
#55
4-Nitrophenol
Concen: 51.45 ng/mL
RT: 9.64 min Scan# 1310
Delta R.T. 0.02 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	47.2	34.1	74.1	
65	62.4	31.4	71.4	

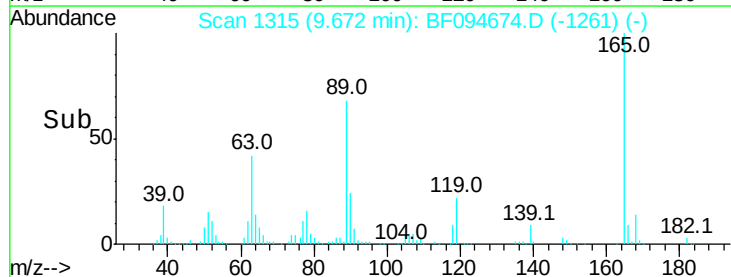
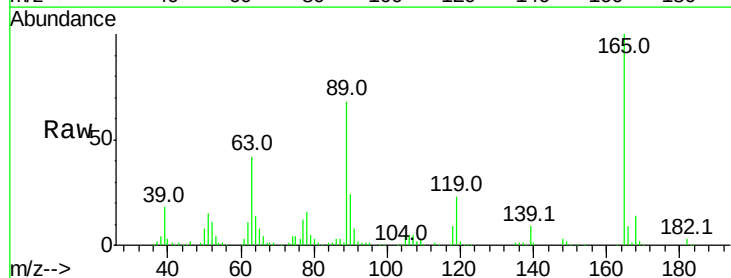
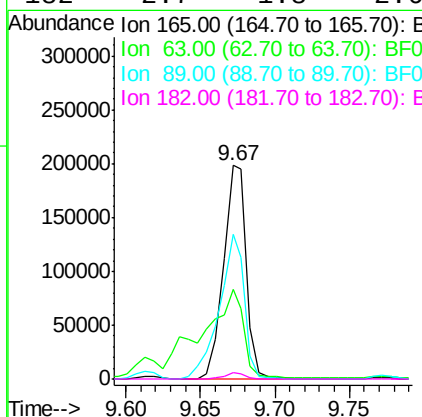
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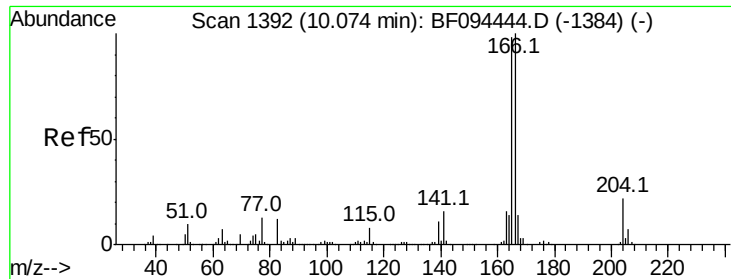
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#56
2,4-Dinitrotoluene
Concen: 47.25 ng/mL
RT: 9.67 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	41.9	25.4	38.0#	
89	67.7	46.4	69.6	
182	2.7	1.8	2.6#	





#57

Fluorene

Concen: 42.87 ng

RT: 10.08 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

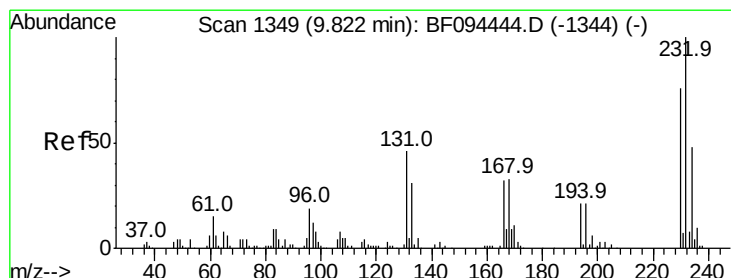
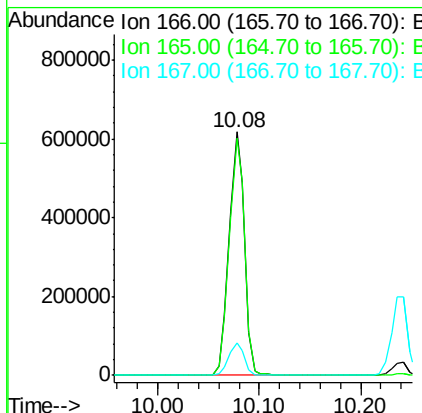
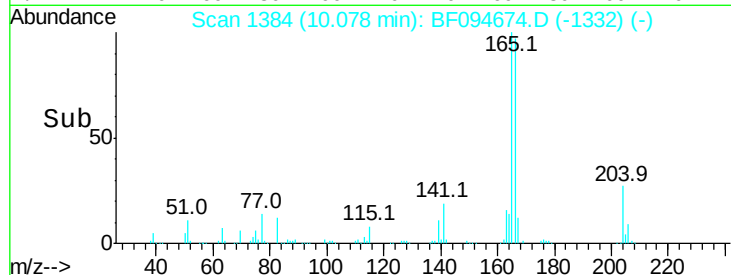
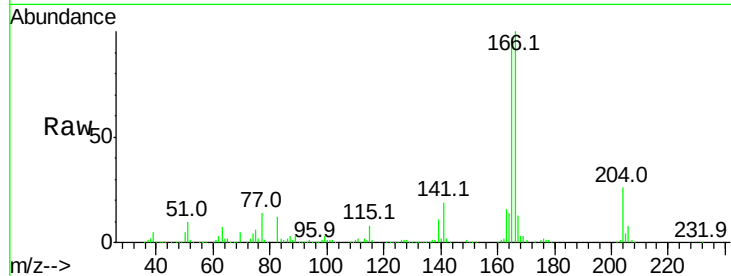
ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:	166	Resp:	649875
Ion Ratio	Lower	Upper	
166	100		
165	97.4	78.8	118.2
167	13.4	10.6	16.0

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#58

2,3,4,6-Tetrachlorophenol

Concen: 46.07 ng

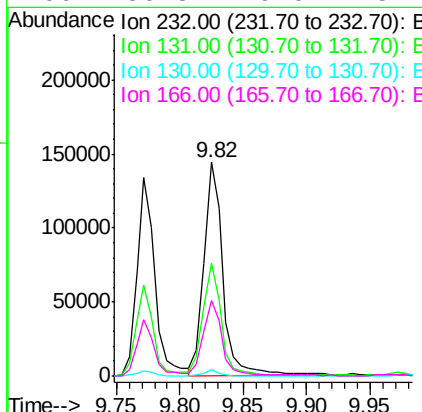
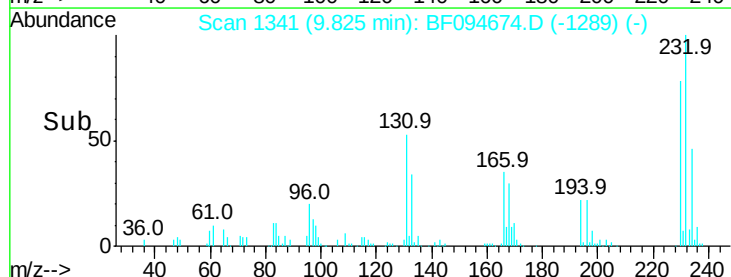
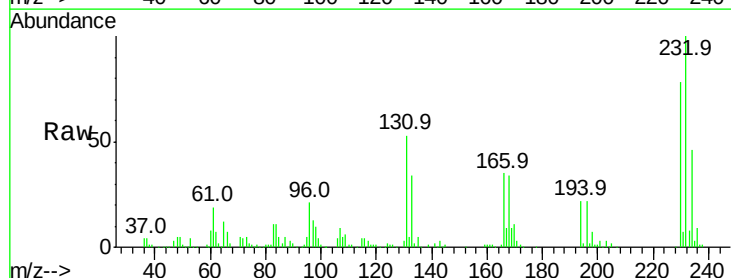
RT: 9.82 min Scan# 1341

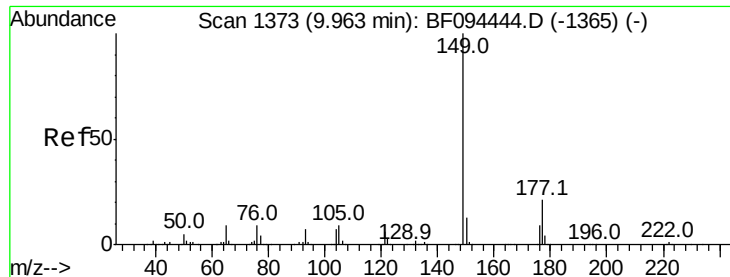
Delta R.T. 0.00 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Tgt Ion:	232	Resp:	149746
Ion Ratio	Lower	Upper	
232	100		
131	50.5	44.8	67.2
130	2.5	2.3	3.5
166	36.8	29.0	43.4





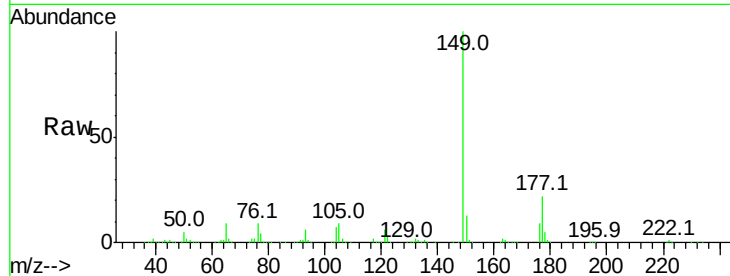
#59
Diethylphthalate
Concen: 44.17 ng
RT: 9.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-DRUMS(COMP)M

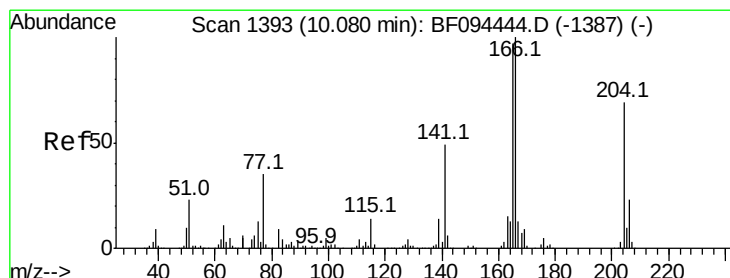
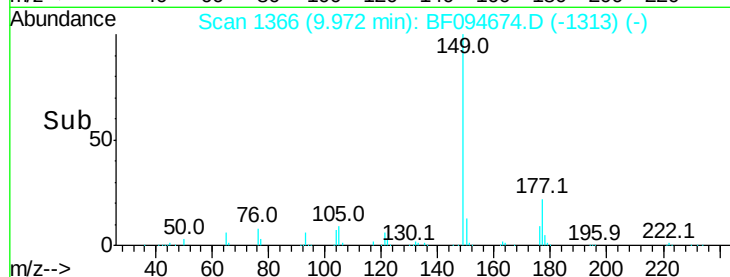
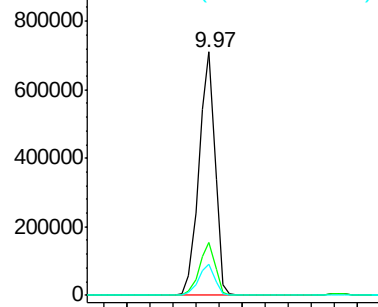
Tot Ion	Ratio	Resp	Lower	Upper
149	100	685778		
177	21.7		16.7	25.1
150	12.6		10.2	15.2

Manual Integrations
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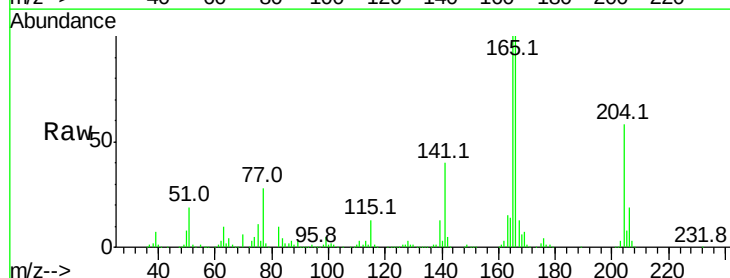


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

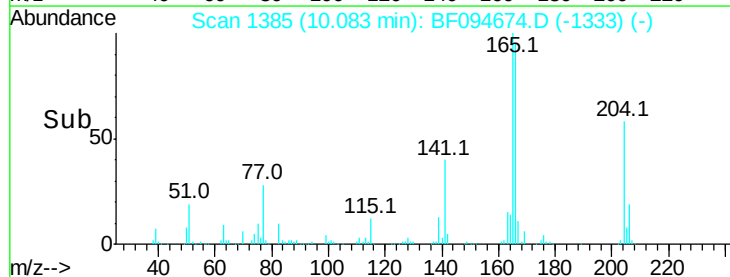
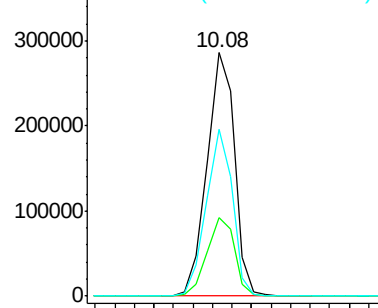


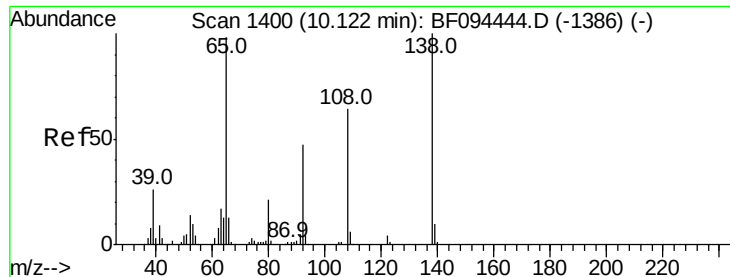
#60
4-Chlorophenyl-phenylether
Concen: 44.35 ng
RT: 10.08 min Scan# 1385
Delta R.T. 0.00 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	279776		
206	32.3		26.2	39.2
141	68.7		60.8	91.2



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 35.79 ng

RT: 10.14 min Scan# 1394

Delta R.T. 0.01 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:138 Resp: 155477

Ion Ratio Lower Upper

138 100

92 46.5 21.8 61.8

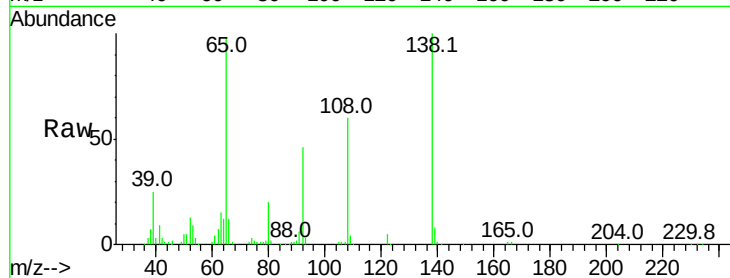
108 60.1 42.3 82.3

Manual Integrations

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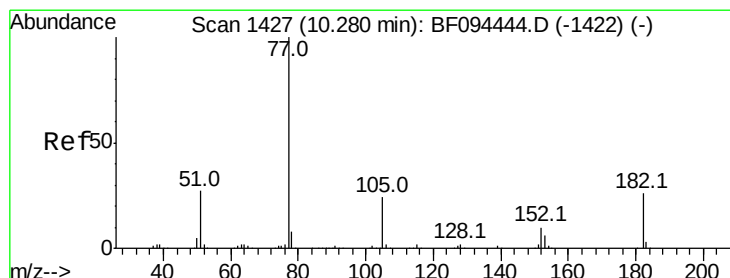
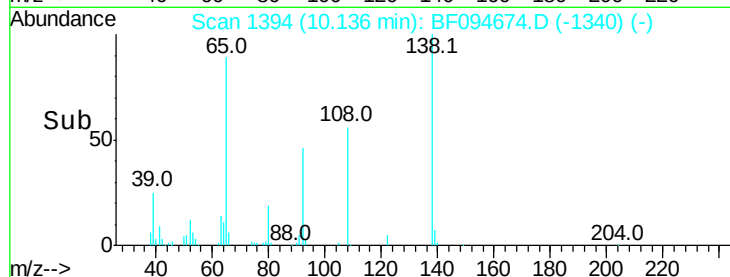
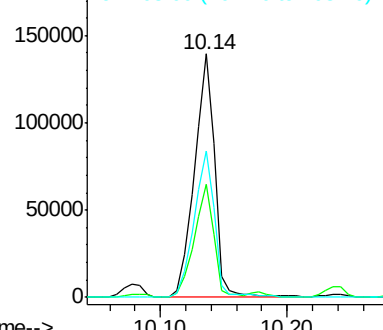
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 43.28 ng

RT: 10.28 min Scan# 1419

Delta R.T. 0.00 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Tgt Ion: 77 Resp: 652452

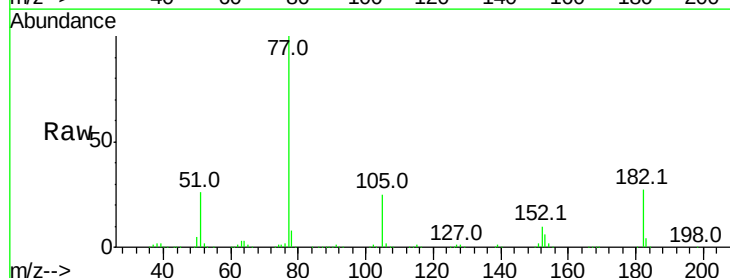
Ion Ratio Lower Upper

77 100

182 26.8 0.1 40.1

105 25.5 3.6 43.6

51 26.2 9.4 49.4

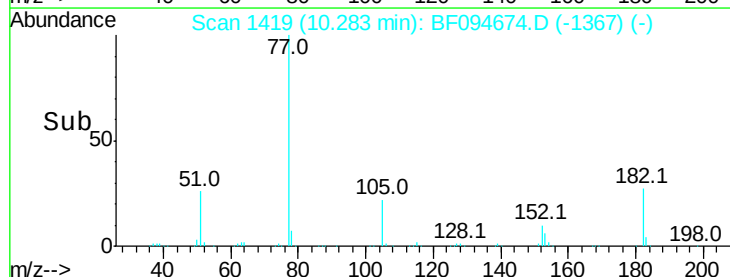
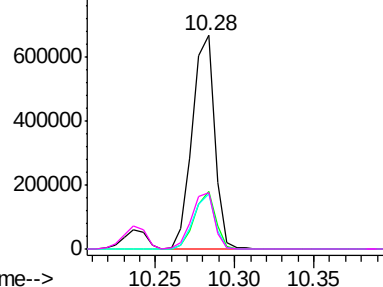


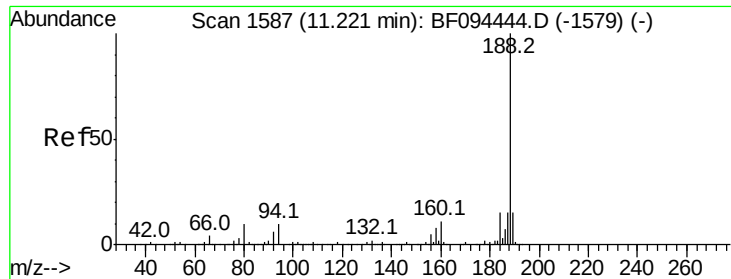
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.22 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

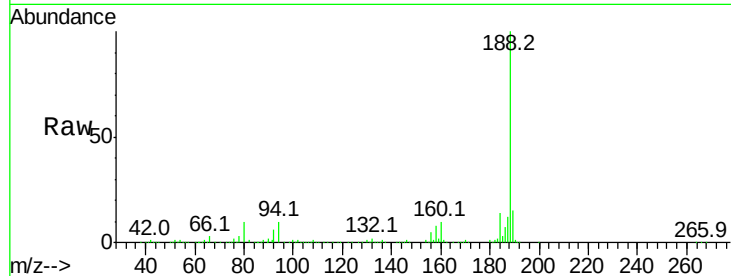
ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:188	Resp:	392994
Ion Ratio	Lower	Upper
188 100		
94 9.9	9.4	14.2
80 10.5	10.2	15.2

Manual Integrations
APPROVED

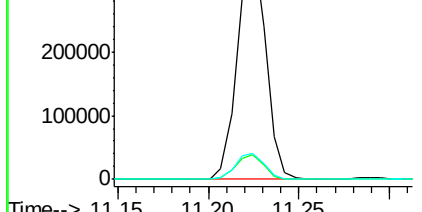
mohammad
4/28/2017 3:00:46 PM



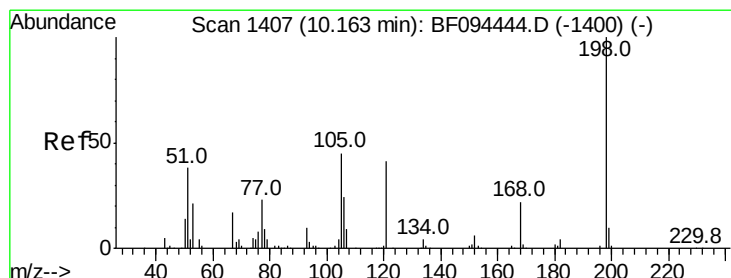
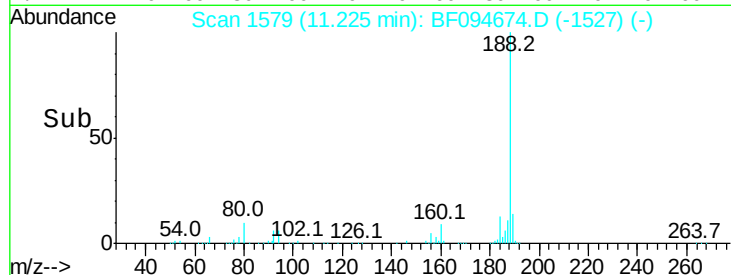
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time--> 11.15 11.20 11.25



#64

4,6-Dinitro-2-methylphenol

Concen: 43.17 ng

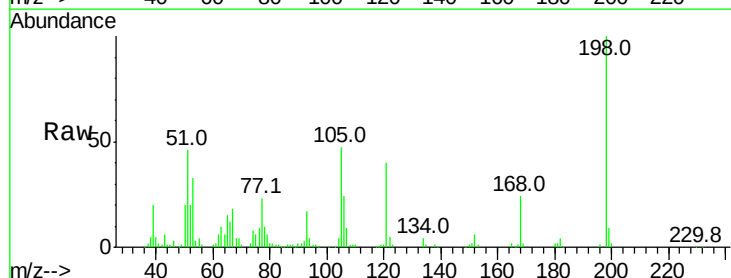
RT: 10.18 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

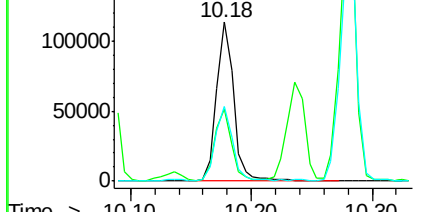
Tgt Ion:198	Resp:	111158
Ion Ratio	Lower	Upper
198 100		
51 45.6	53.2	93.2#
105 46.9	45.8	85.8



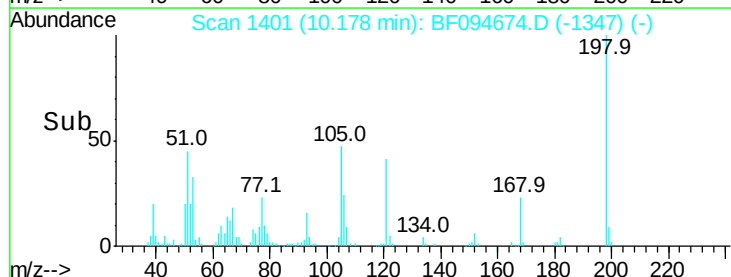
Abundance Ion 198.00 (197.70 to 198.70): E

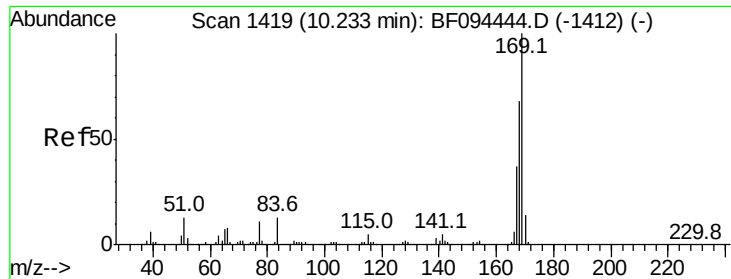
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



Time--> 10.10 10.20 10.30





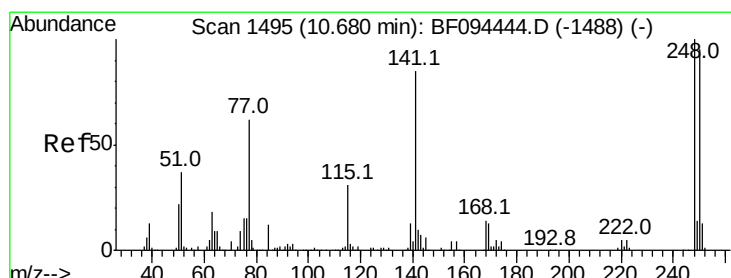
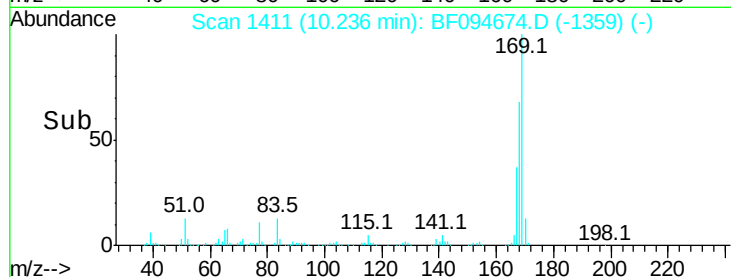
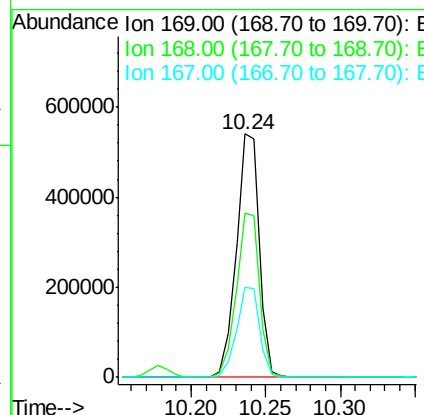
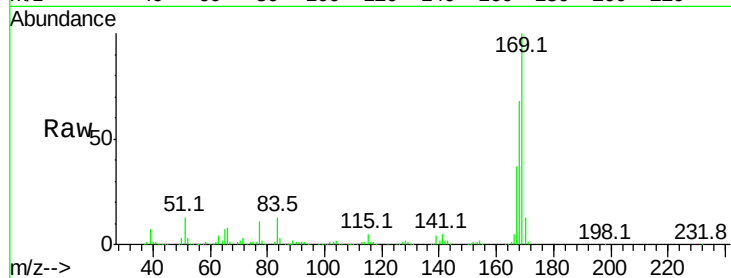
#65
n-Nitrosodiphenylamine
Concen: 42.82 ng
RT: 10.24 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Resp	Lower	Upper
169	100	585208		
168	67.6		53.2	79.8
167	36.8		29.5	44.3

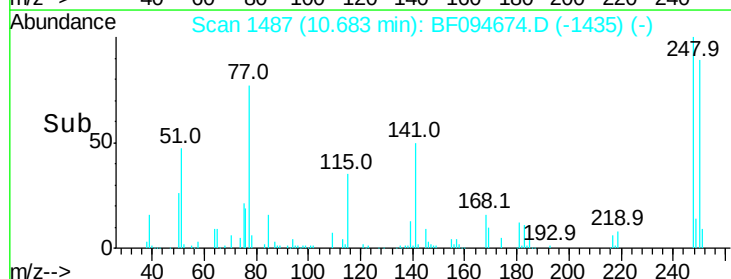
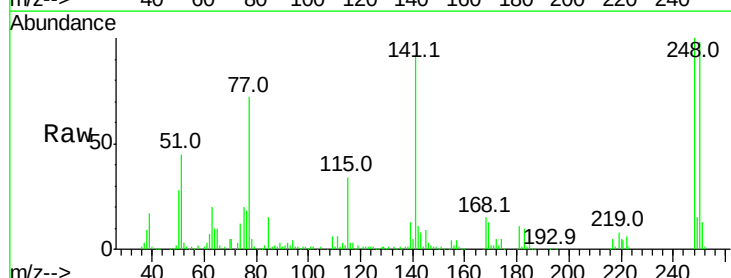
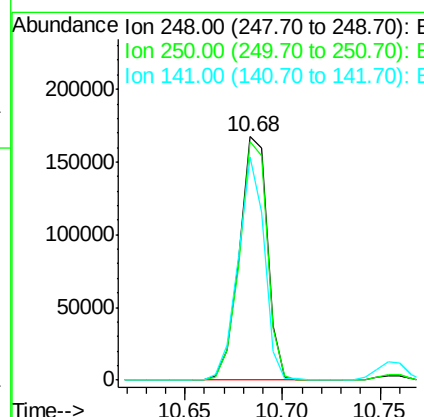
Manual Integrations
APPROVED

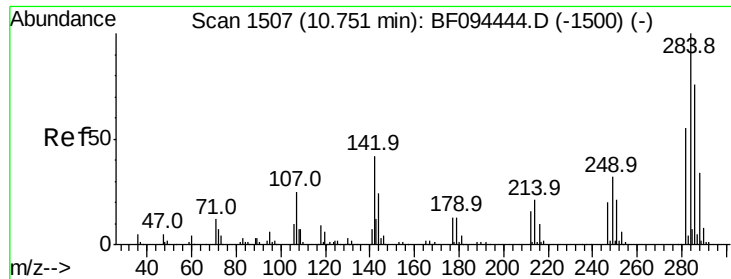
mohammad
4/28/2017 3:00:46 PM



#66
4-Bromophenyl-phenylether
Concen: 42.85 ng
RT: 10.68 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	167229		
250	98.0		76.8	115.2
141	91.9		68.6	103.0





#67

Hexachlorobenzene

Concen: 43.60 ng

RT: 10.76 min Scan# 1500

Delta R.T. 0.01 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

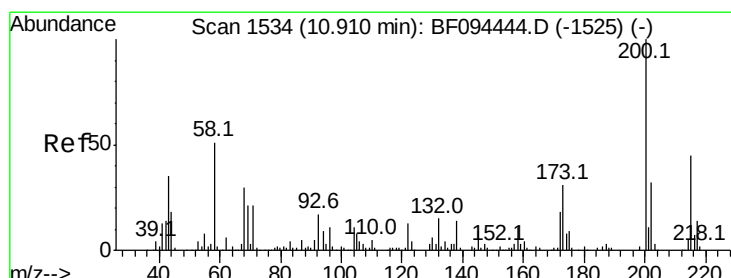
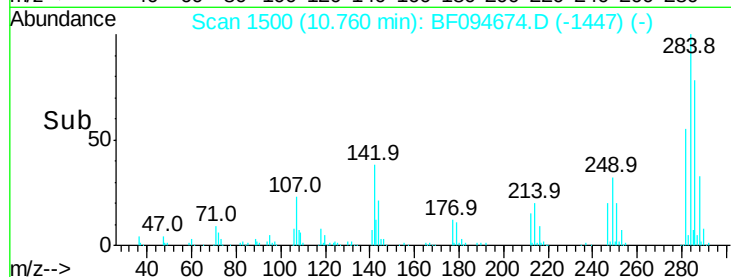
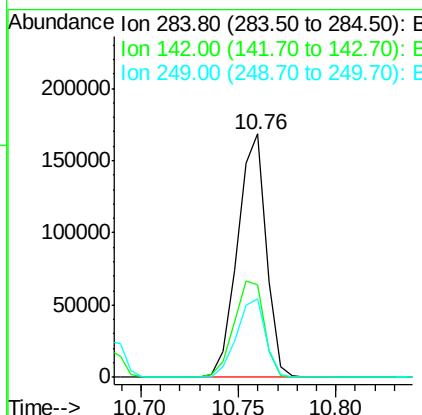
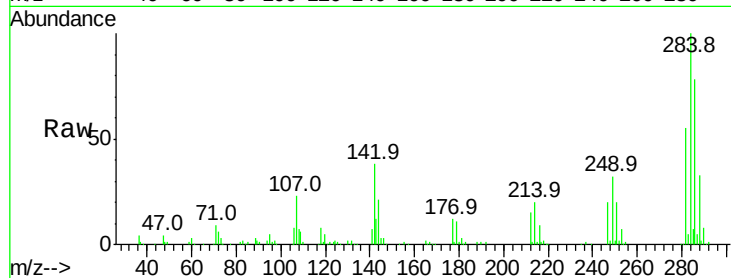
ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:	284	Resp:	171457
Ion Ratio		Lower	Upper
284	100		
142	37.8	22.8	34.2#
249	32.2	24.0	36.0

Manual Integrations
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#68

Atrazine

Concen: 43.58 ng

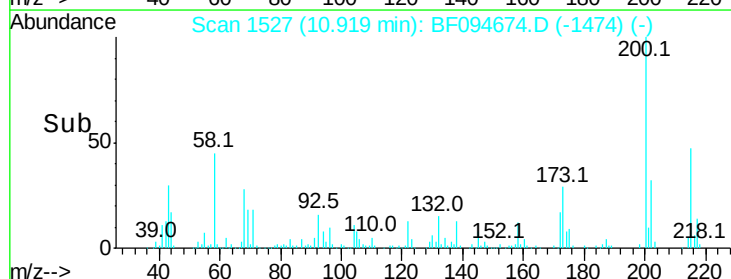
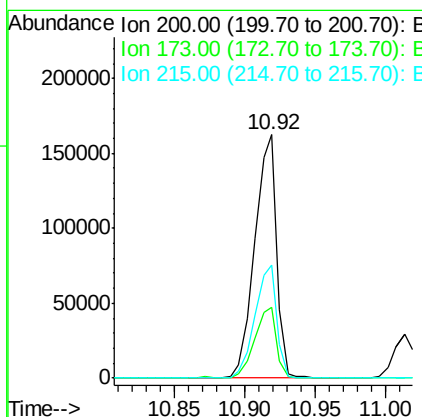
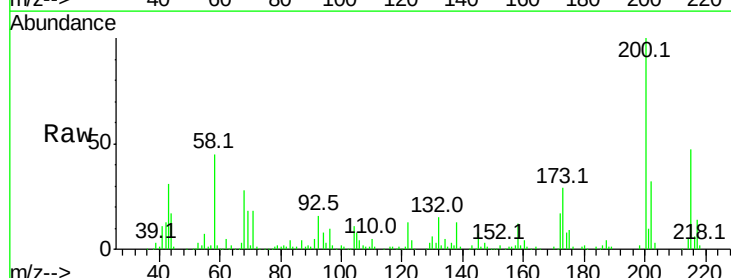
RT: 10.92 min Scan# 1527

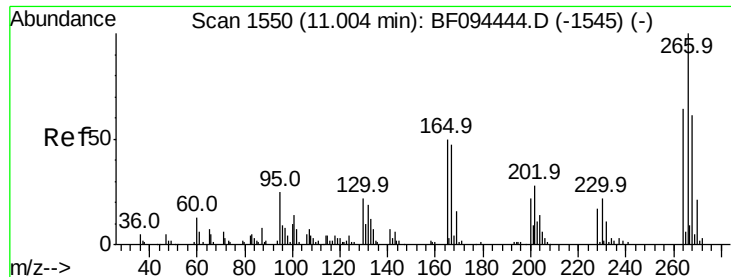
Delta R.T. 0.01 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Tgt Ion:	200	Resp:	178209
Ion Ratio		Lower	Upper
200	100		
173	28.9	6.3	46.3
215	46.5	27.2	67.2





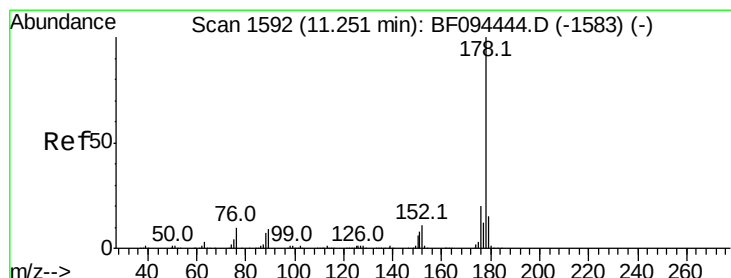
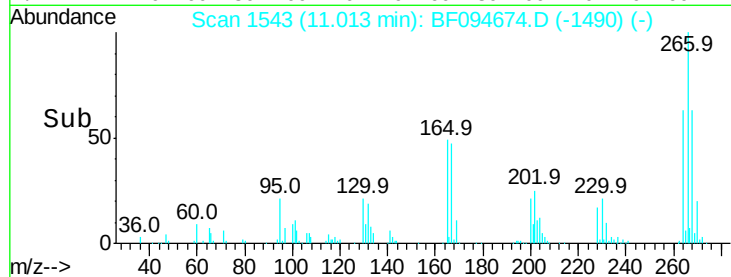
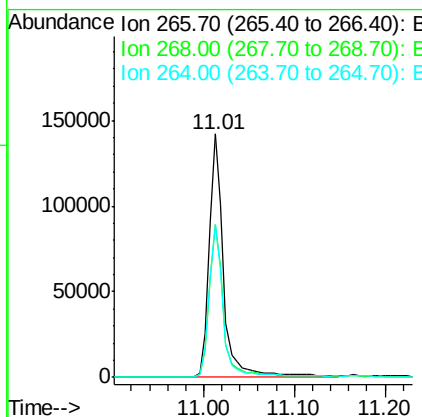
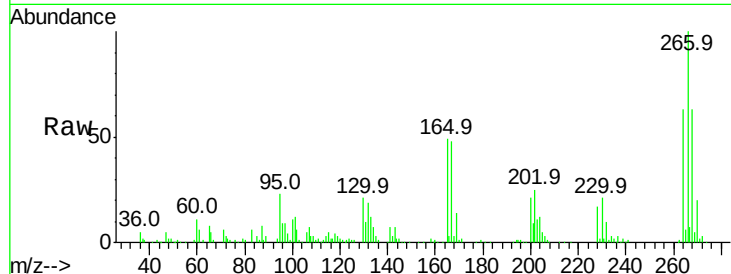
#69
 Pentachlorophenol
 Concen: 103.67 ng
 RT: 11.01 min Scan# 1543
 Delta R.T. 0.01 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Resp	Lower	Upper
266	100	161881		
268	62.6	51.1	76.7	
264	62.9	51.7	77.5	

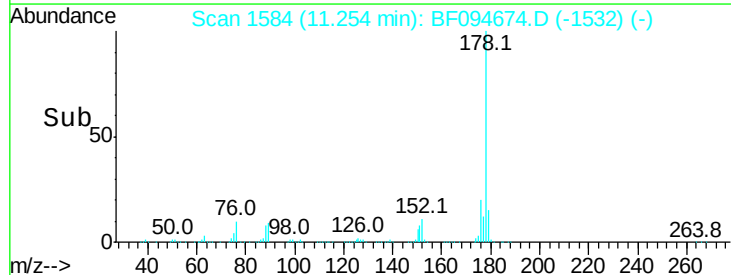
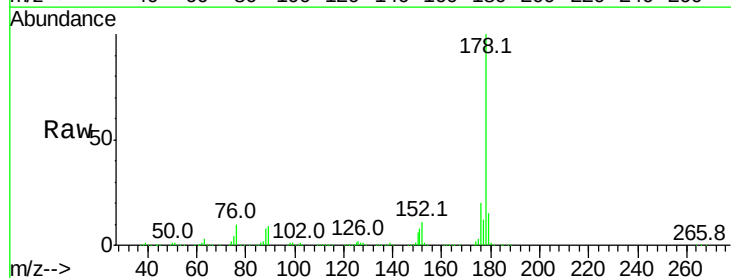
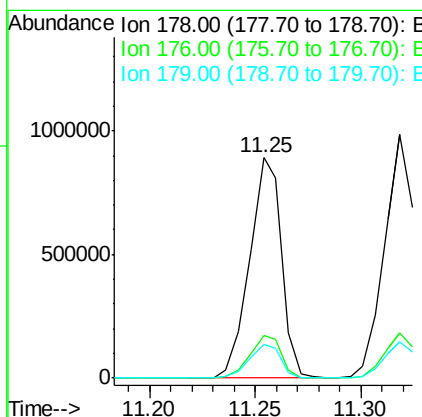
Manual Integrations
 APPROVED

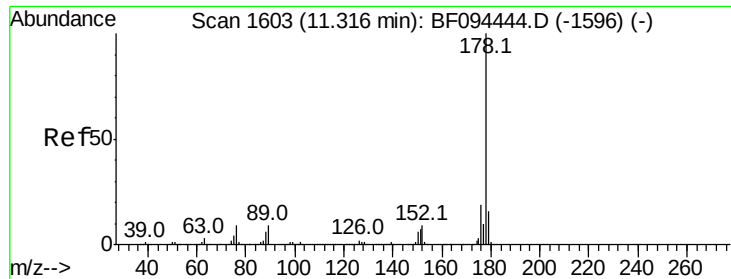
mohammad
 4/28/2017 3:00:46 PM



#70
 Phenanthrene
 Concen: 42.33 ng
 RT: 11.25 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	936712		
176	19.5	16.2	24.4	
179	15.4	12.6	19.0	





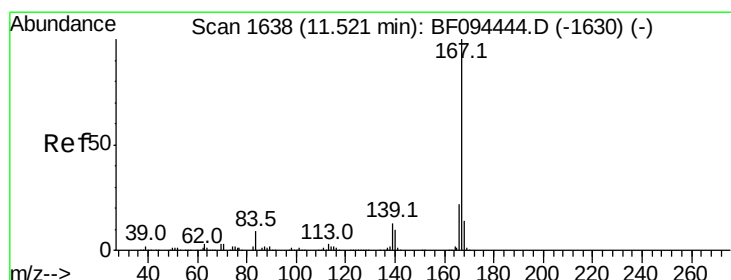
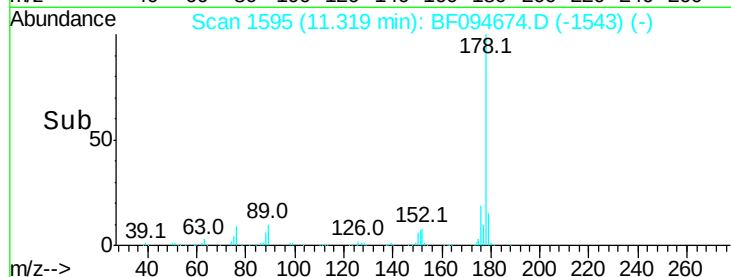
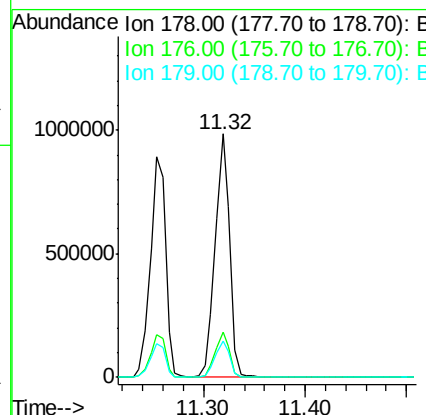
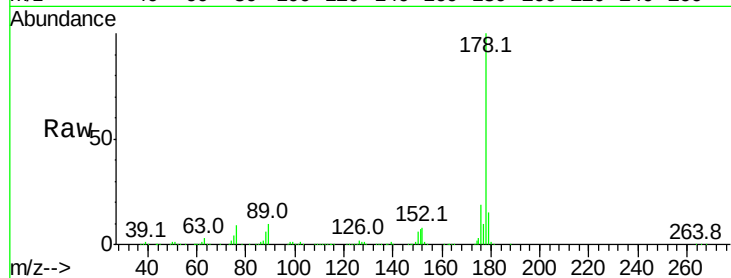
#71
 Anthracene
 Concen: 42.78 ng
 RT: 11.32 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.2	12.7	19.1

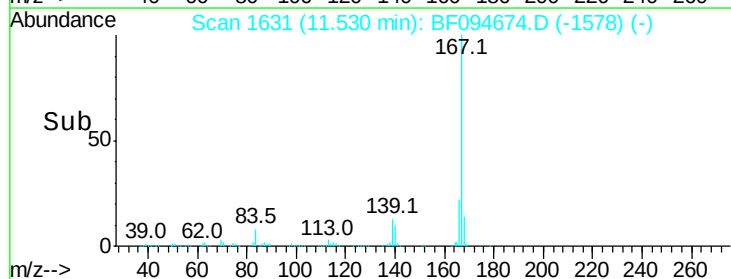
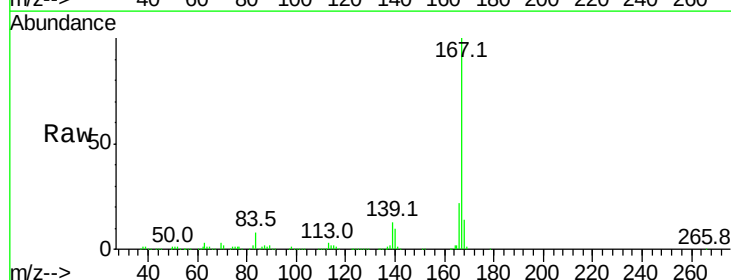
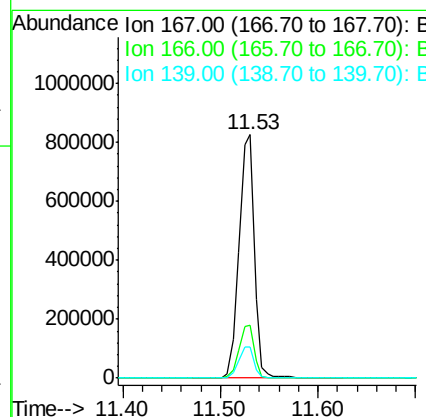
Manual Integrations
 APPROVED

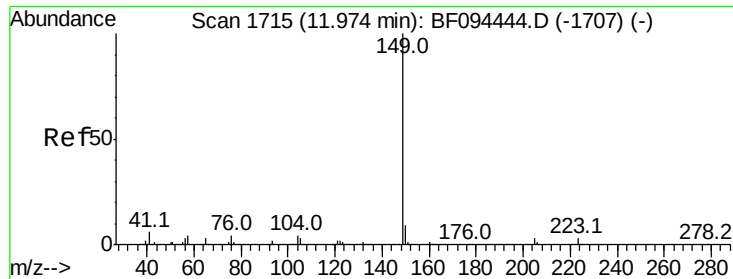
mohammad
 4/28/2017 3:00:46 PM



#72
 Carbazole
 Concen: 41.83 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.1	27.1
139	12.9	11.7	17.5





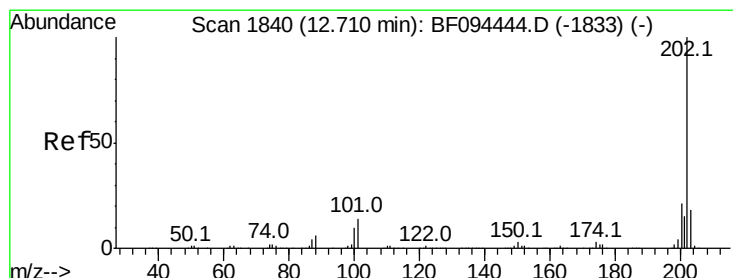
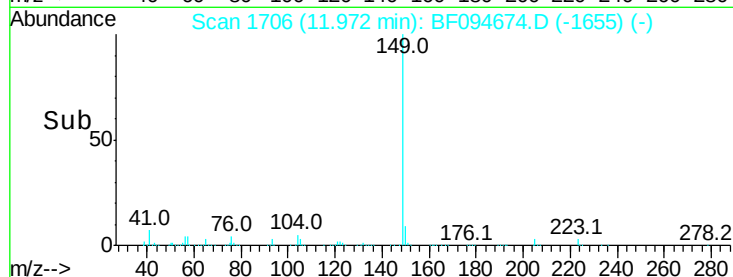
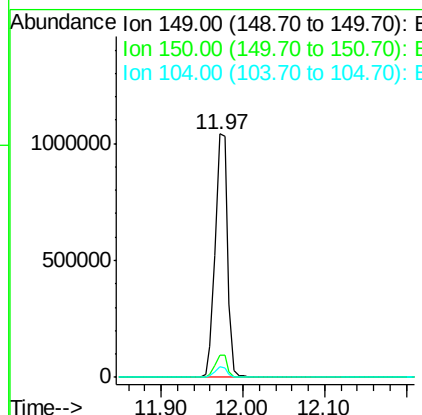
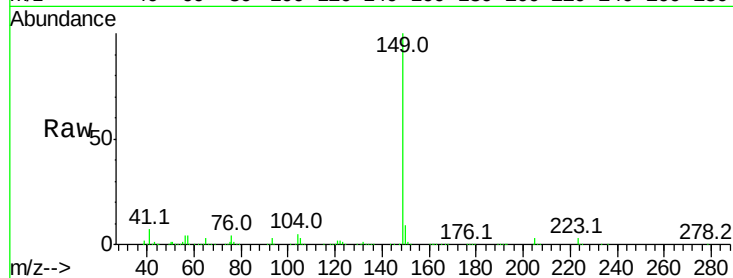
#73
Di-n-butylphthalate
Concen: 46.77 ng
RT: 11.97 min Scan# 1706
Delta R.T. -0.00 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.7	11.5
104	4.6	4.0	6.0

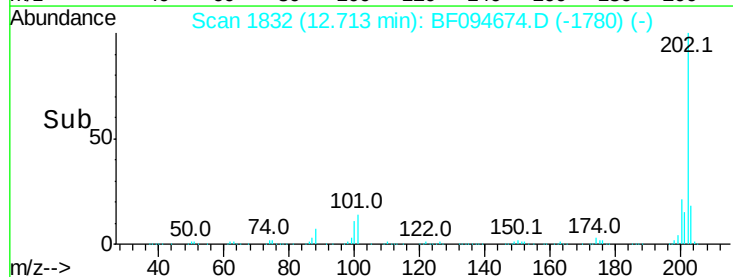
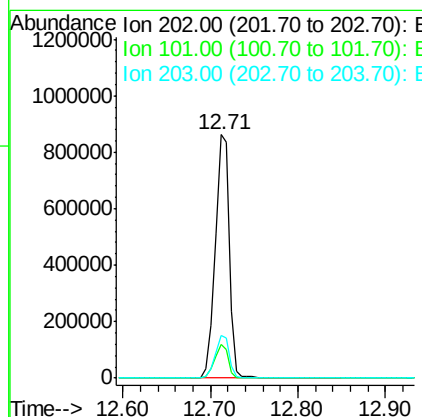
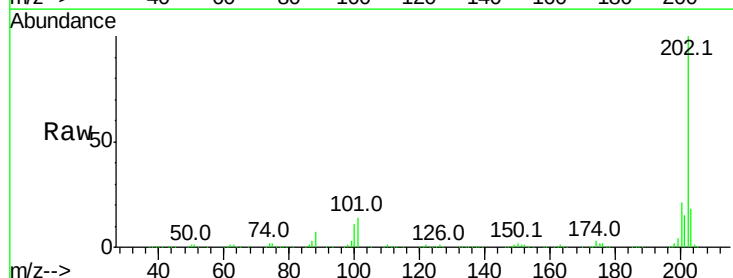
Manual Integrations
APPROVED

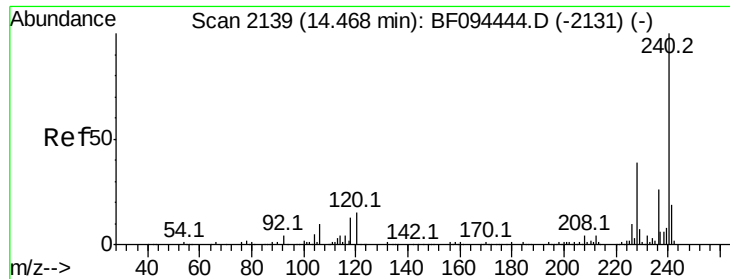
mohammad
4/28/2017 3:00:46 PM



#74
Fluoranthene
Concen: 42.24 ng
RT: 12.71 min Scan# 1832
Delta R.T. 0.00 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	17.7	0.0	38.1





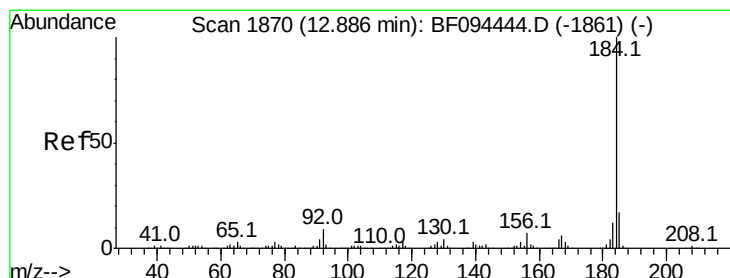
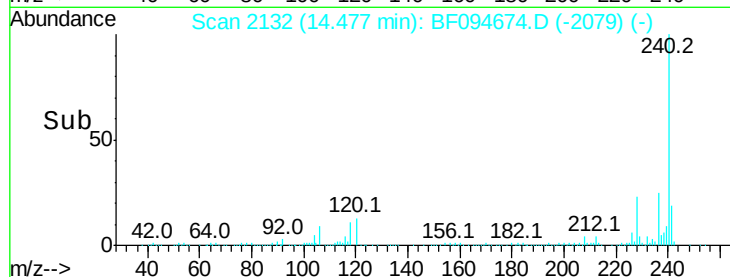
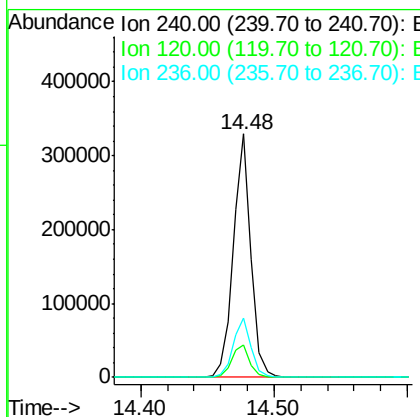
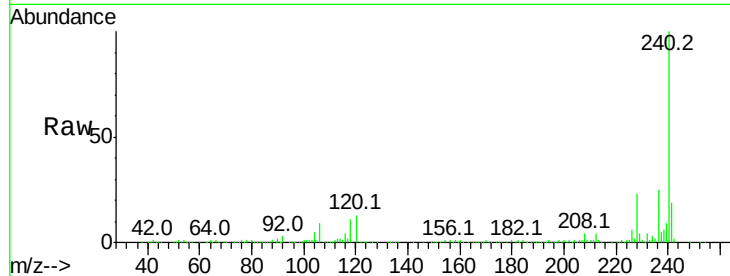
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.48 min Scan# 2132
 Delta R.T. 0.01 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	5.8	8.8#
236	24.6	20.5	30.7

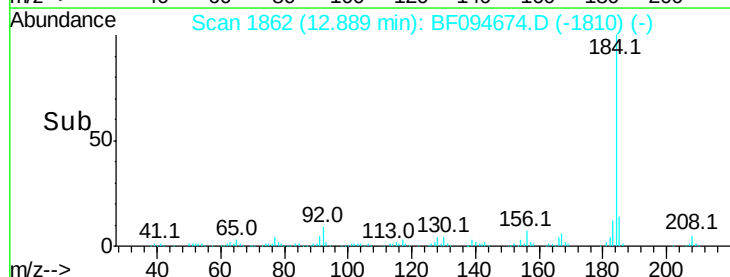
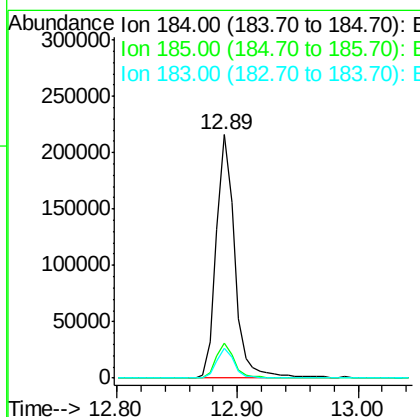
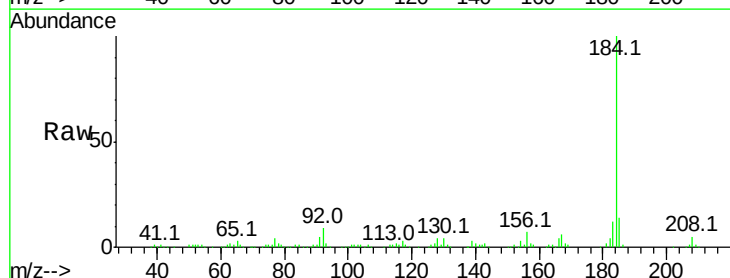
Manual Integrations
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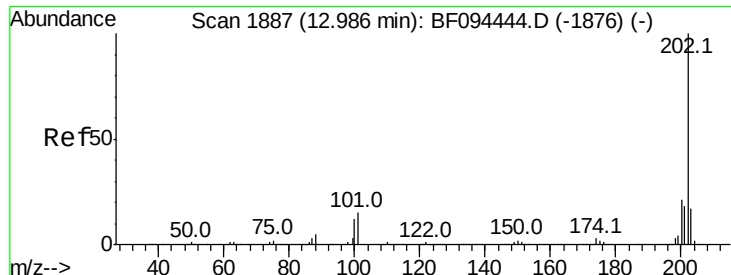
mohammad
 4/28/2017 3:00:46 PM



#76
 Benzidine
 Concen: 18.53 ng
 RT: 12.89 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.5	15.5	23.3#
183	12.2	9.8	14.6





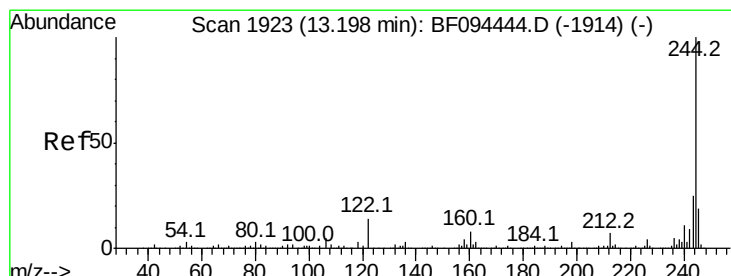
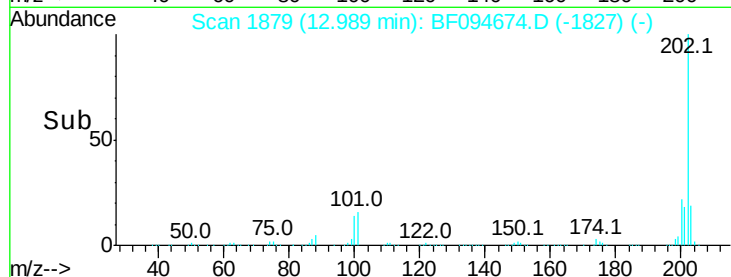
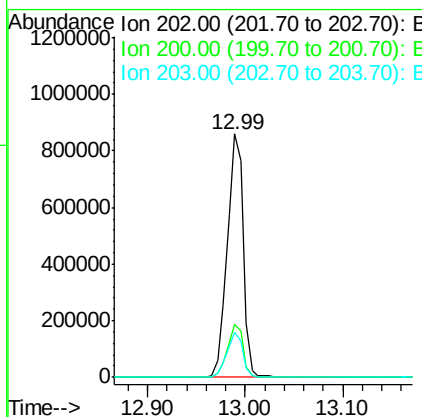
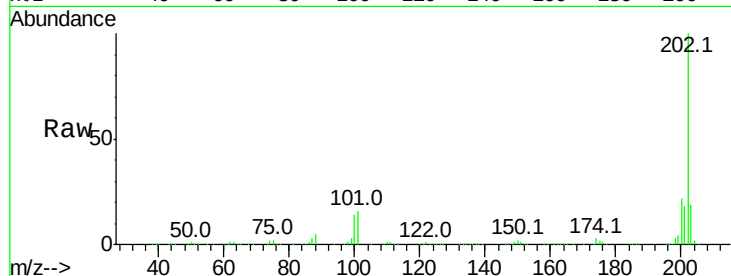
#77
Pvrene
Concen: 45.84 ng
RT: 12.99 min Scan# 1879
Delta R.T. 0.00 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Resp	Lower	Upper
202	100	977023		
200	21.6		17.6	26.4
203	18.7		14.4	21.6

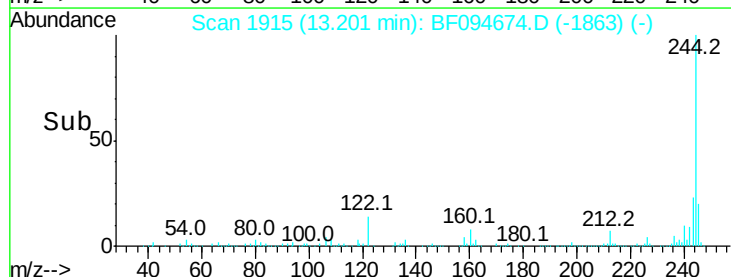
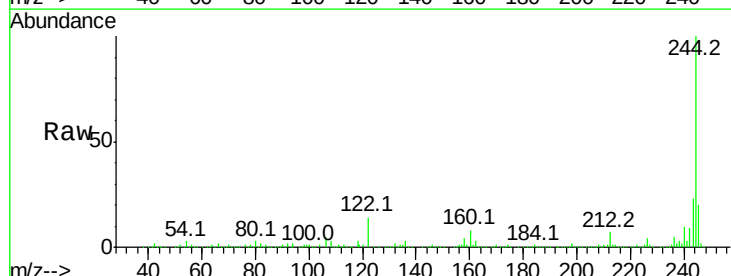
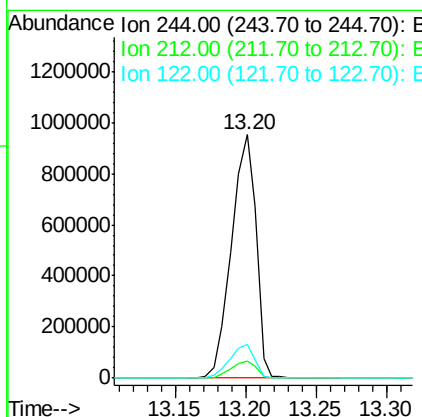
Manual Integrations
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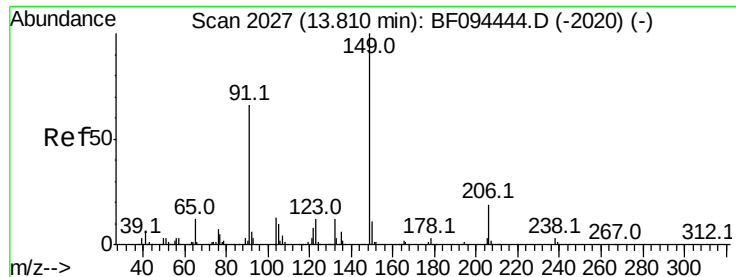
mohammad
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#78
Terphenyl-d14
Concen: 101.18 ng
RT: 13.20 min Scan# 1915
Delta R.T. 0.00 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1154736		
212	7.2		6.0	9.0
122	13.9		10.3	15.5





#79

Butylbenzylphthalate

Concen: 50.11 ng

RT: 13.81 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

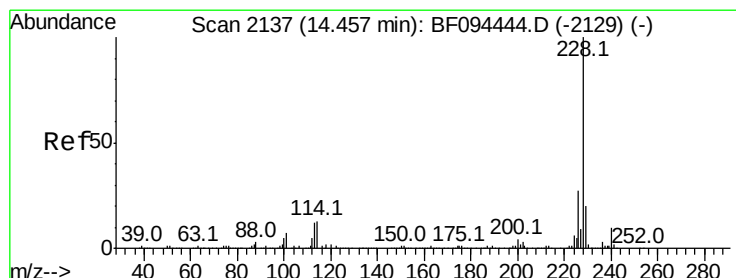
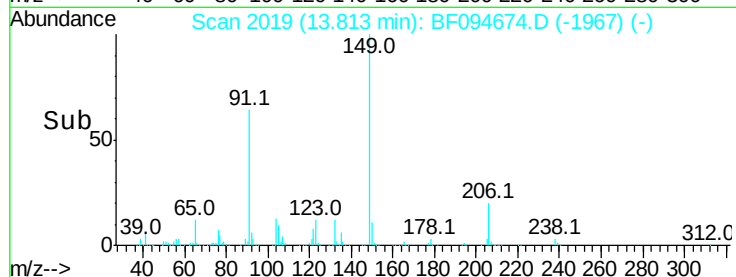
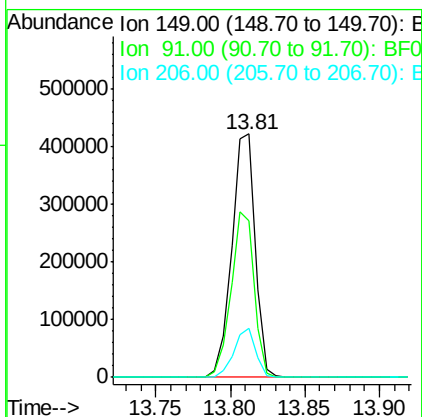
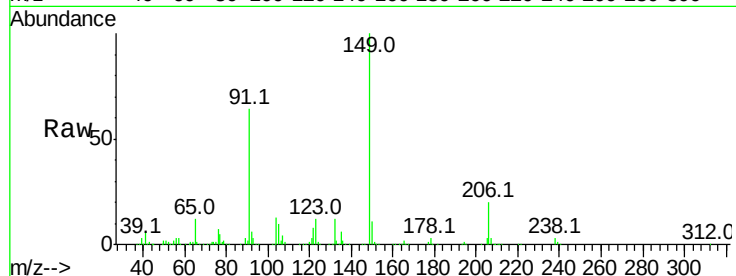
ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:	149	Resp:	468049
Ion Ratio	Lower	Upper	
149	100		
91	64.1	45.0	67.4
206	20.0	17.0	25.6

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 43.01 ng

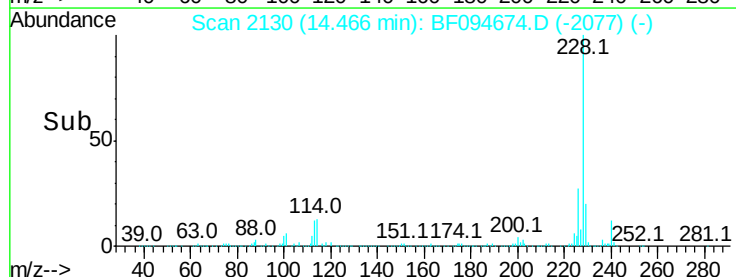
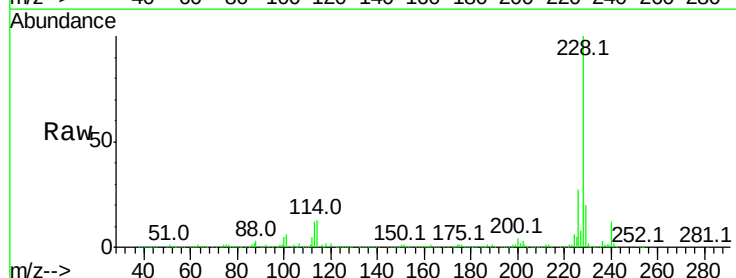
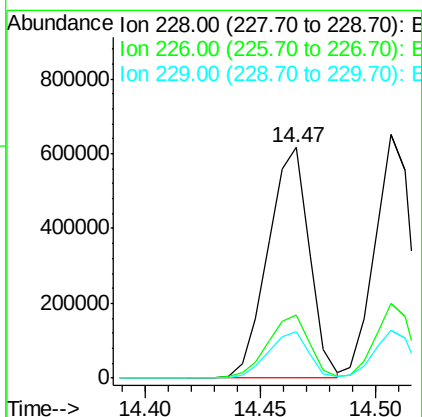
RT: 14.47 min Scan# 2130

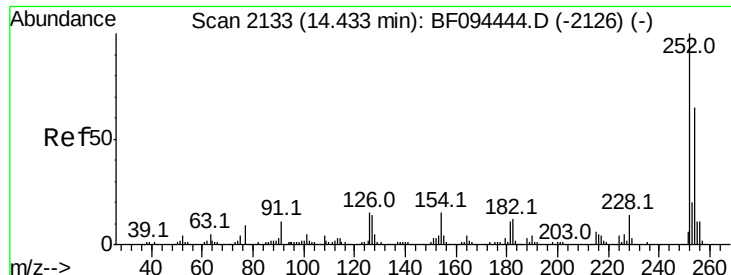
Delta R.T. 0.01 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Tgt Ion:	228	Resp:	762576
Ion Ratio	Lower	Upper	
228	100		
226	27.4	22.6	33.8
229	20.0	16.3	24.5





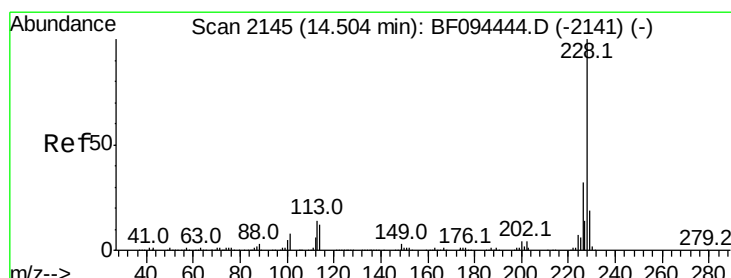
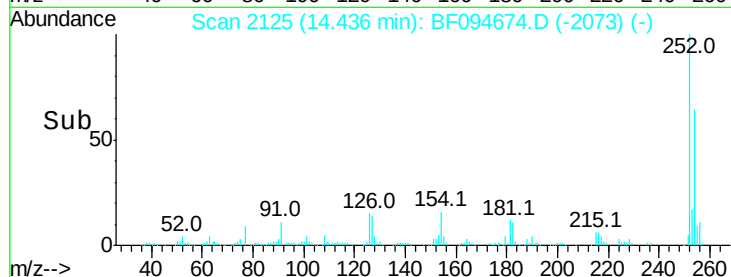
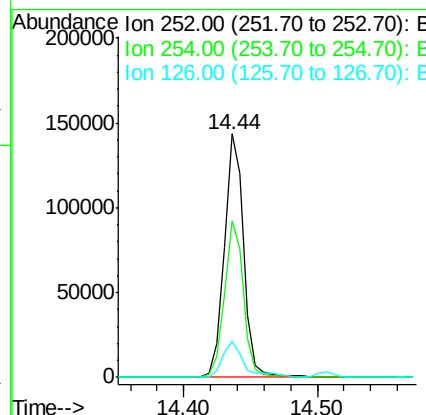
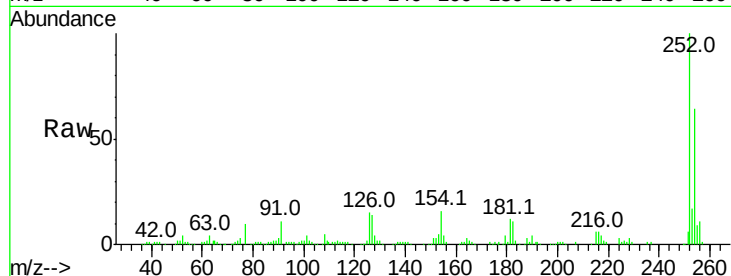
#81
 3,3'-Dichlorobenzidine
 Concen: 23.46 ng
 RT: 14.44 min Scan# 2125
 Delta R.T. 0.00 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Resp	Lower	Upper
252	100	147280		
254	64.1		51.5	77.3
126	15.0		15.8	23.8

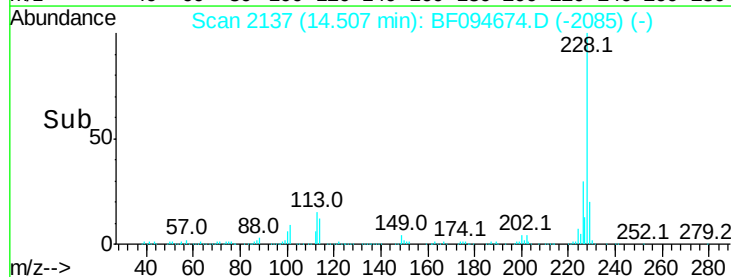
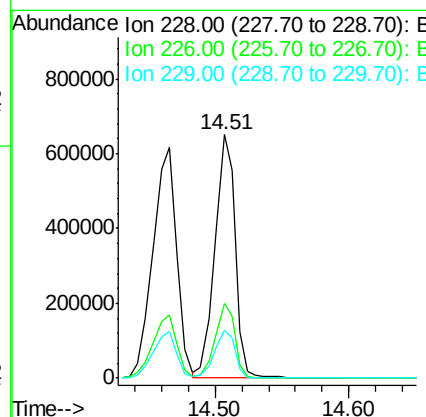
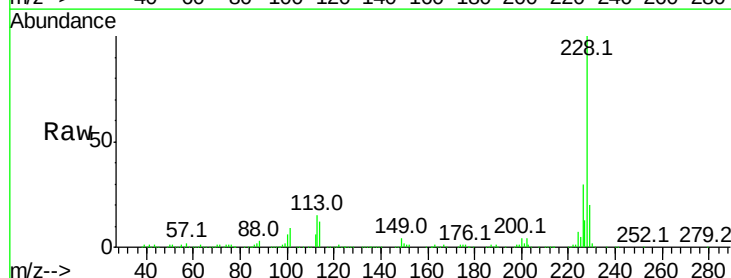
Manual Integrations
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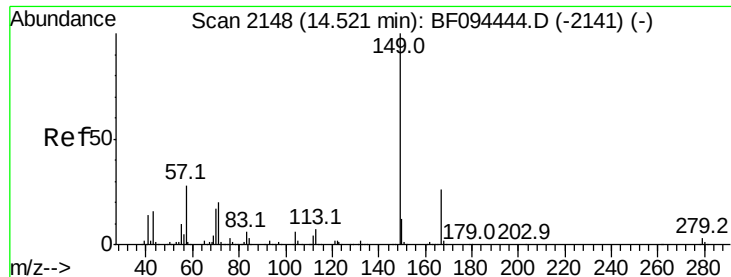
mohammad
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#82
 Chrysene
 Concen: 42.90 ng
 RT: 14.51 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	695136		
226	30.4		24.9	37.3
229	19.7		15.8	23.6





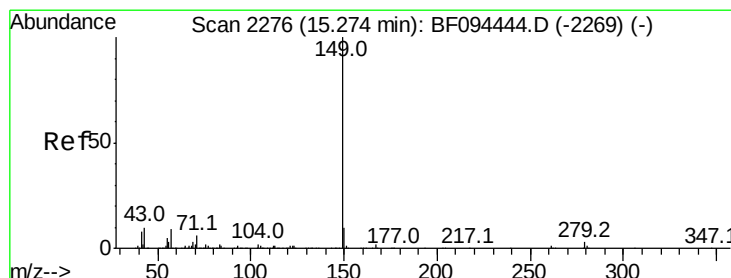
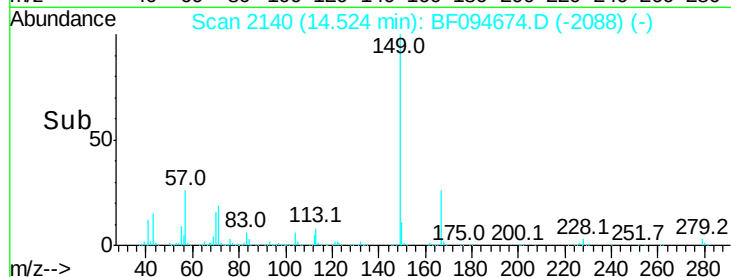
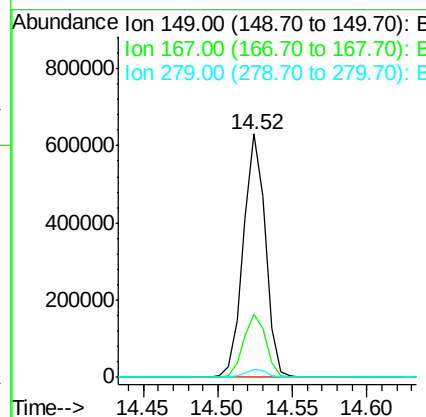
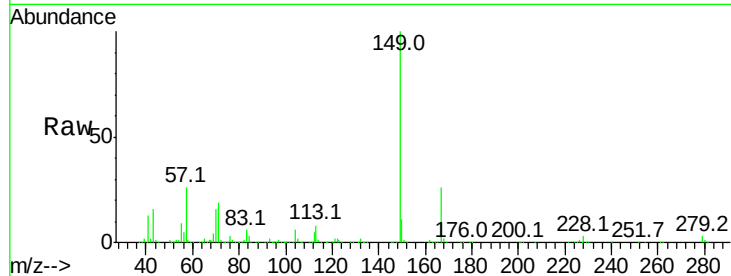
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 52.05 ng
 RT: 14.52 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Resp	Lower	Upper
149	100	652741		
167	26.2		21.0	31.4
279	3.1		1.9	2.9#

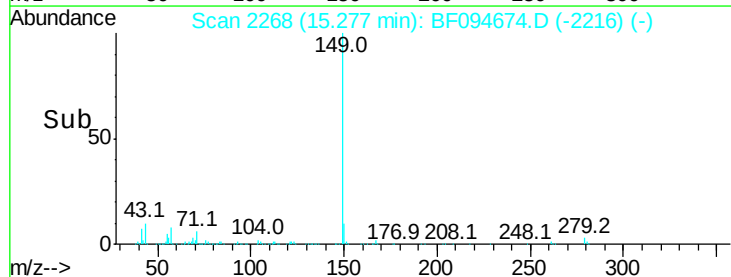
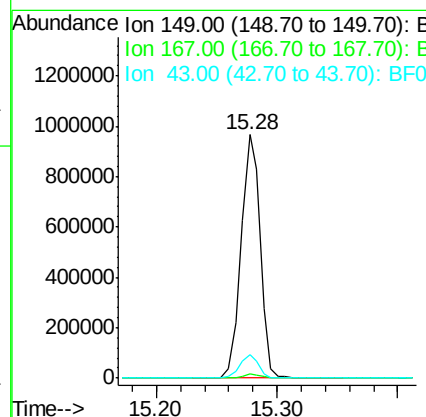
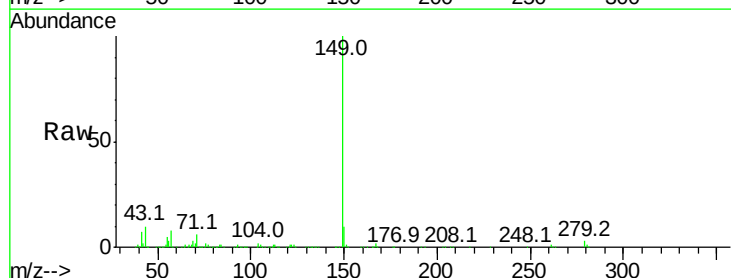
Manual Integrations
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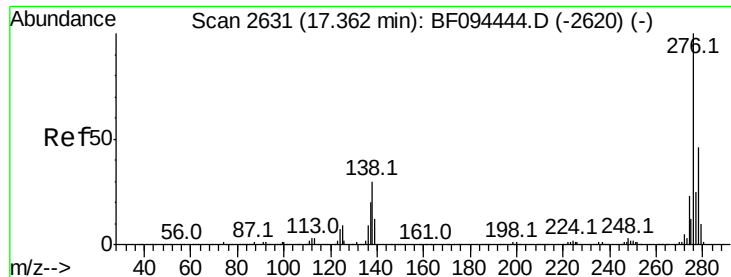
mohammad
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#84
 Di-n-octyl phthalate
 Concen: 50.72 ng
 RT: 15.28 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1067063		
167	1.5		1.2	1.8
43	9.0		8.5	12.7





#85

Indeno(1,2,3-cd)pyrene

Concen: 38.76 ng

RT: 17.39 min Scan# 2627

Delta R.T. 0.03 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

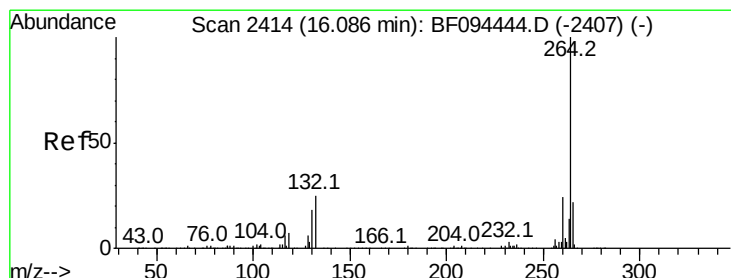
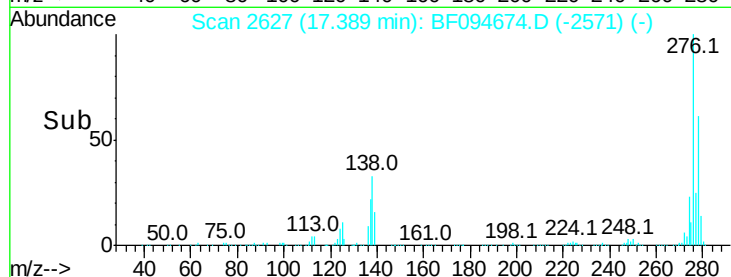
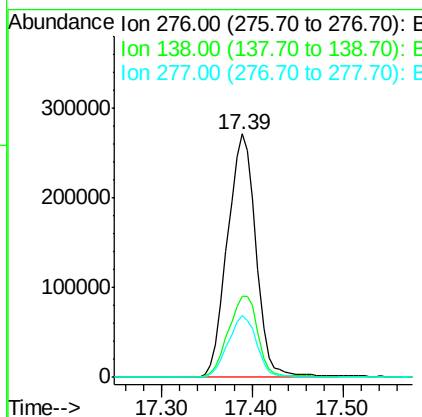
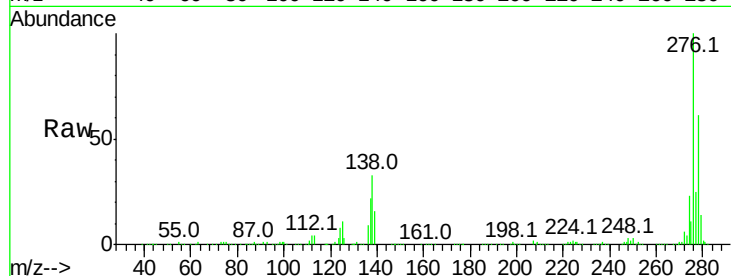
ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.1	27.8	41.6
277	25.7	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

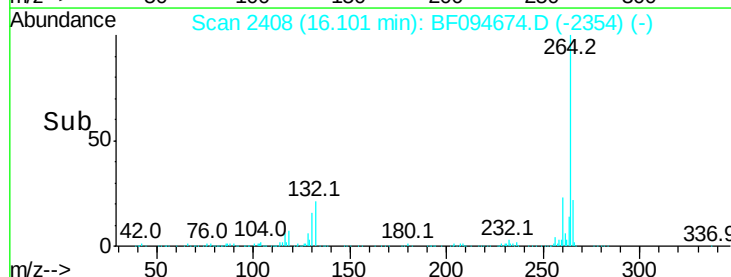
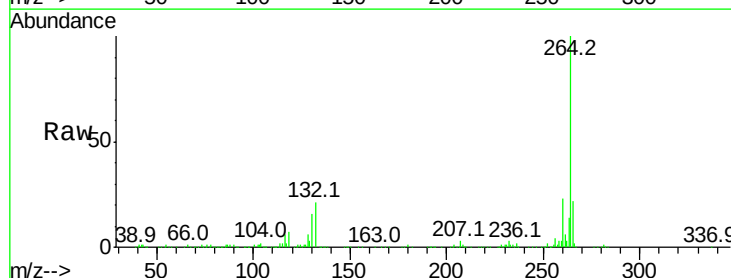
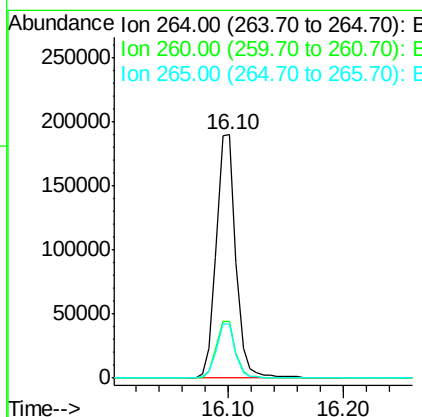
RT: 16.10 min Scan# 2408

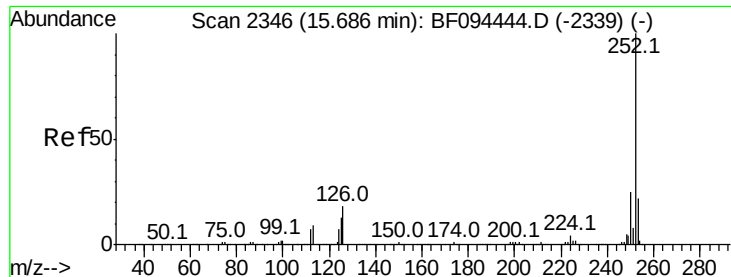
Delta R.T. 0.01 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	22.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 44.77 ng

RT: 15.70 min Scan# 2340

Delta R.T. 0.01 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Instrument :

BNA_F

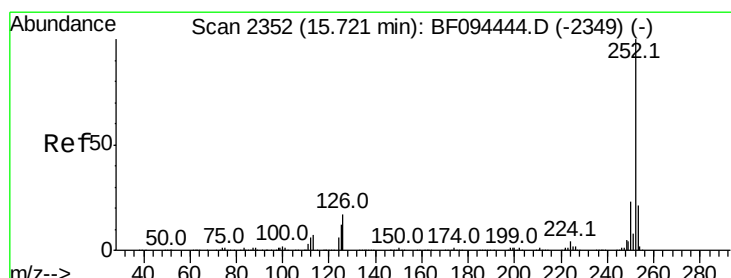
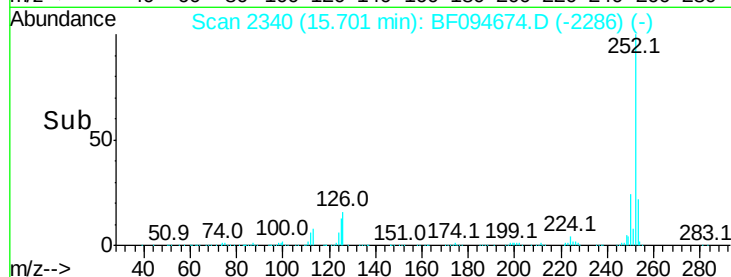
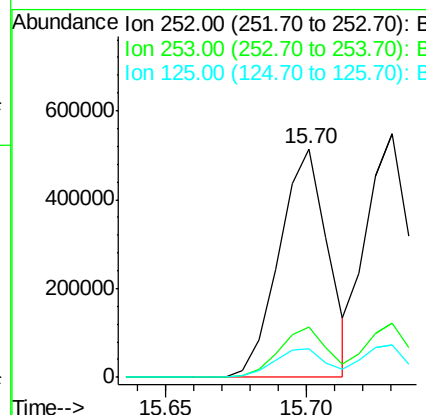
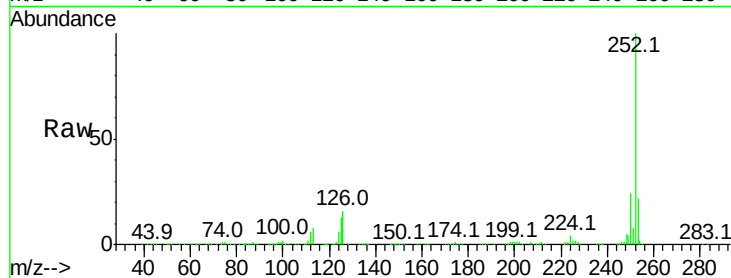
ClientSampleId :

SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:	252	Resp:	615044
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.1	27.1
125	12.5	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 45.27 ng

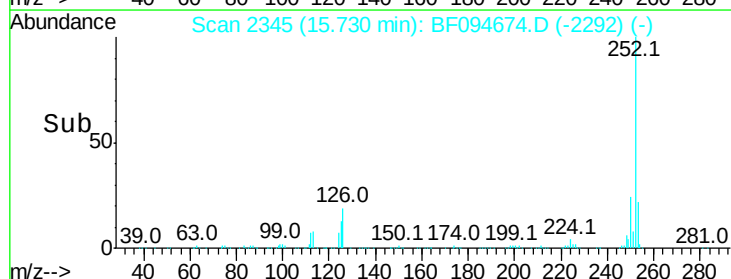
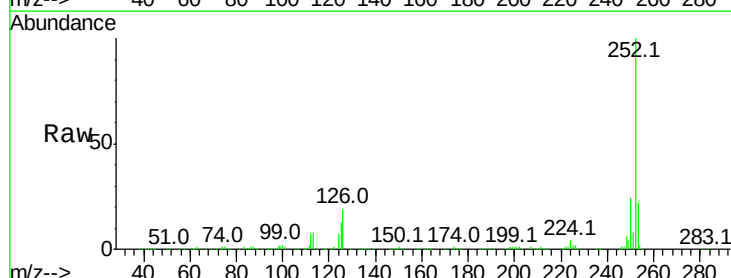
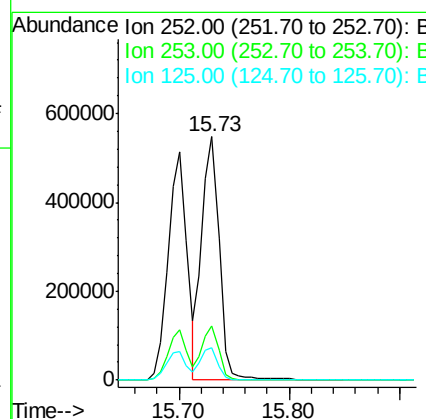
RT: 15.73 min Scan# 2345

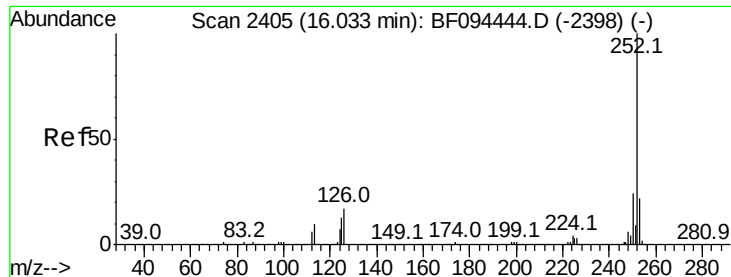
Delta R.T. 0.01 min

Lab File: BF094674.D

Acq: 27 Apr 2017 20:08

Tgt Ion:	252	Resp:	588442
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.4	27.6
125	13.1	13.1	19.7#





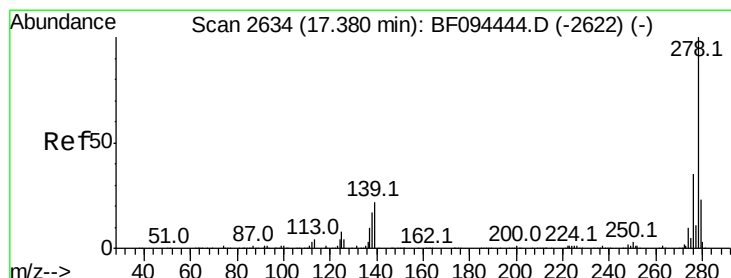
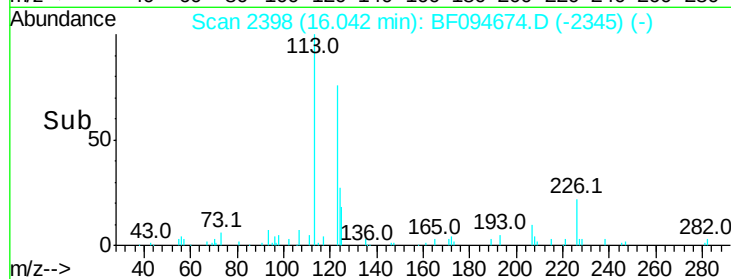
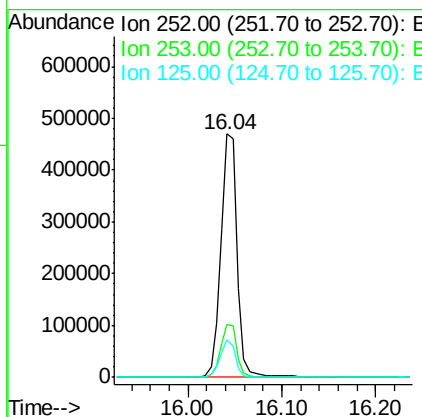
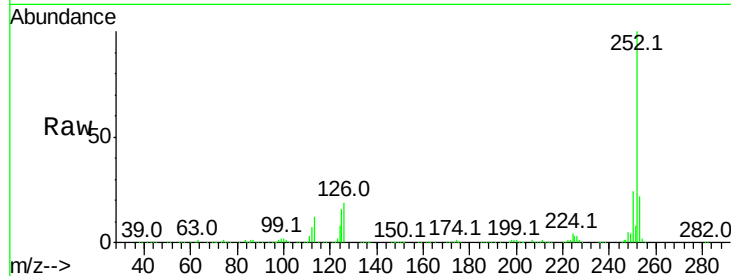
#89
Benzo(a)pyrene
Concen: 44.03 ng
RT: 16.04 min Scan# 2398
Delta R.T. 0.01 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	15.6	11.0	16.4

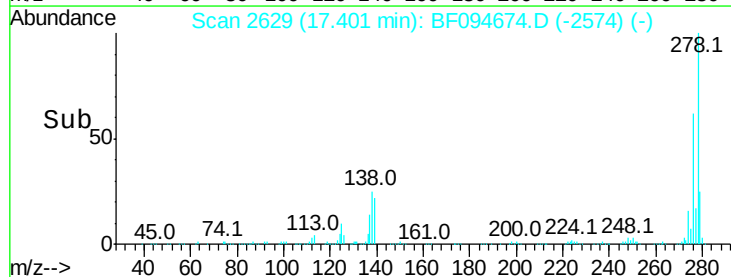
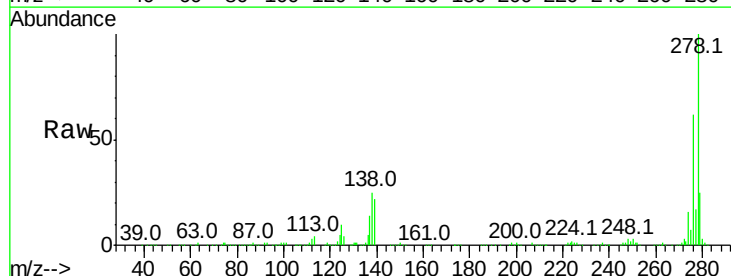
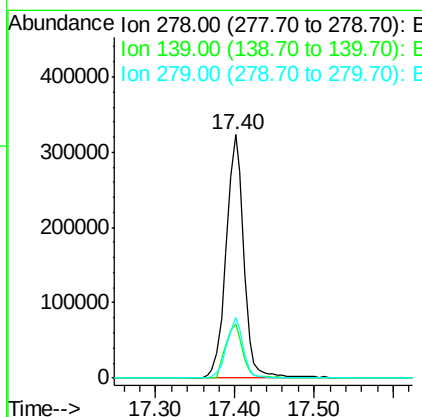
Manual Integrations
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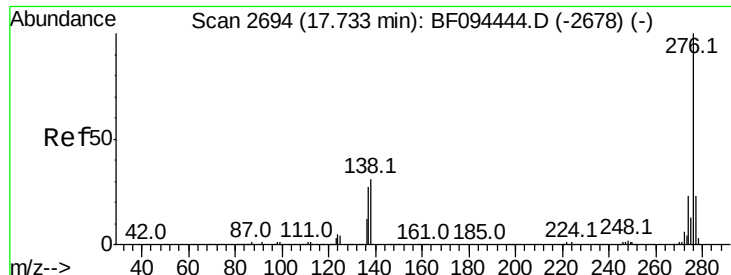
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 47.36 ng
RT: 17.40 min Scan# 2629
Delta R.T. 0.02 min
Lab File: BF094674.D
Acq: 27 Apr 2017 20:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.5	16.6	24.8
279	24.8	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 46.71 ng
 RT: 17.77 min Scan# 2691
 Delta R.T. 0.03 min
 Lab File: BF094674.D
 Acq: 27 Apr 2017 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-DRUMS(COMP)M

Tot Ion:	276	Resp:	504607
Ion Ratio		Lower	Upper
276	100		
277	23.5	18.6	28.0
138	29.5	25.4	38.0

Manual Integrations
 APPROVED

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 4/28/2017 3:00:46 PM

