

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082615\
 Data File : BF081230.D
 Acq On : 27 Aug 2015 00:22
 Operator : UM/IZ
 Sample : G3385-02MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6MSD

Manual Integrations
 APPROVED

MMDadoda
 8/27/2015 2:32:48 PM

Quant Time: Aug 27 01:33:31 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 27 00:52:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	53081	20.00	ng	0.00
21) Naphthalene-d8	7.81	136	210260	20.00	ng	0.00
38) Acenaphthene-d10	9.54	164	91541	20.00	ng	-0.01
63) Phenanthrene-d10	11.02	188	191132	20.00	ng	0.00
75) Chrysene-d12	13.64	240	135903	20.00	ng	0.00
86) Perylene-d12	14.95	264	117806	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.10	112	414348	117.41	ng	0.02
7) Phenol-d6	6.18	99	571224	124.06	ng	0.01
23) Nitrobenzene-d5	7.09	82	402909	87.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.33	330	97815	123.27	ng	0.00
44) 2-Fluorobiphenyl	8.88	172	636030	91.04	ng	-0.01
78) Terphenyl-d14	12.59	244	548521	86.53	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.07	88	58235	35.02	ng	# 73
3) Pyridine	2.65	79	141702	30.19	ng	# 83
4) n-Nitrosodimethylamine	2.57	42	100020	38.27	ng	# 71
6) Aniline	6.18	93	68602	10.25	ng	# 1
8) 2-Chlorophenol	6.31	128	157088	40.67	ng	# 81
9) Benzaldehyde	6.06	77	32809	11.05	ng	96
10) Phenol	6.19	94	195071	35.87	ng	# 66
11) bis(2-Chloroethyl)ether	6.26	93	172823	41.42	ng	90
12) 1,3-Dichlorobenzene	6.46	146	163254	39.33	ng	96
13) 1,4-Dichlorobenzene	6.54	146	163104	39.69	ng	98
14) 1,2-Dichlorobenzene	6.69	146	149696	38.92	ng	95
15) Benzyl Alcohol	6.67	79	147198	39.51	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.81	45	327146	39.90	ng	89
17) 2-Methylphenol	6.80	107	135987	41.03	ng	97
18) Hexachloroethane	7.03	117	64354	38.75	ng	93
19) n-Nitroso-di-n-propylamine	6.95	70	131523	41.23	ng	92
20) 3+4-Methylphenols	6.96	107	174818	41.56	ng	# 43
22) Acetophenone	6.94	105	241978	43.84	ng	# 86
24) Nitrobenzene	7.11	77	209501	43.53	ng	99
25) Isophorone	7.35	82	348054	40.55	ng	99
26) 2-Nitrophenol	7.43	139	91010	45.47	ng	# 69
27) 2,4-Dimethylphenol	7.49	122	153444	43.34	ng	87
28) bis(2-Chloroethoxy)methane	7.58	93	229481	45.26	ng	98
29) 2,4-Dichlorophenol	7.67	162	125213	42.01	ng	88
30) 1,2,4-Trichlorobenzene	7.75	180	135202	40.81	ng	99
31) Naphthalene	7.83	128	475176	40.54	ng	99
32) Benzoic acid	7.61	122	65805	33.04	ng	93
33) 4-Chloroaniline	7.89	127	22403	4.53	ng	# 88
34) Hexachlorobutadiene	7.95	225	75789	40.45	ng	97
35) Caprolactam	8.26	113	44960m	43.15	ng	
36) 4-Chloro-3-methylphenol	8.39	107	167473	47.14	ng	94
37) 2-Methylnaphthalene	8.51	142	310473	41.94	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.69	216	129104	43.71	ng	98
40) Hexachlorocyclopentadiene	8.67	237	126080	82.48	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.80	196	93522	44.82	ng	97
43) 2,4,5-Trichlorophenol	8.85	196	86780	41.61	ng #	89
45) 1,1'-Biphenyl	8.98	154	393449	48.80	ng	98
46) 2-Chloronaphthalene	8.99	162	273695	42.25	ng	92
47) 2-Nitroaniline	9.11	65	108451	40.91	ng #	61
48) Acenaphthylene	9.41	152	456121	39.36	ng	99
49) Dimethylphthalate	9.29	163	335352	44.48	ng	99
50) 2,6-Dinitrotoluene	9.35	165	68025	42.03	ng #	65
51) Acenaphthene	9.58	154	258464	37.26	ng	100
52) 3-Nitroaniline	9.51	138	30703	15.16	ng	99
53) 2,4-Dinitrophenol	9.62	184	47265	56.40	ng #	71
54) Dibenzofuran	9.75	168	377554	40.61	ng	92
55) 4-Nitrophenol	9.69	139	100920	70.94	ng #	85
56) 2,4-Dinitrotoluene	9.75	165	84587	39.43	ng #	46
57) Fluorene	10.09	166	303684	42.47	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.87	232	71771m	44.47	ng	
59) Diethylphthalate	9.99	149	339247	42.51	ng	98
60) 4-Chlorophenyl-phenylether	10.09	204	145064	47.94	ng	93
61) 4-Nitroaniline	10.13	138	69801	33.72	ng	91
62) Azobenzene	10.25	77	441544	48.02	ng	93
64) 4,6-Dinitro-2-methylphenol	10.16	198	37975	33.27	ng #	41
65) n-Nitrosodiphenylamine	10.22	169	305405	44.76	ng	99
66) 4-Bromophenyl-phenylether	10.57	248	77270	41.15	ng #	70
67) Hexachlorobenzene	10.63	284	80621	42.40	ng #	72
68) Atrazine	10.75	200	90024	47.36	ng	93
69) Pentachlorophenol	10.83	266	94968	83.24	ng	98
70) Phenanthrene	11.04	178	445884	39.36	ng	99
71) Anthracene	11.10	178	463346	42.04	ng	97
72) Carbazole	11.26	167	471434	44.42	ng	98
73) Di-n-butylphthalate	11.60	149	552387	43.02	ng	99
74) Fluoranthene	12.22	202	549779	44.98	ng	96
76) Benzidine	12.34	184	107404	20.92	ng	99
77) Pyrene	12.43	202	487332	44.11	ng	100
79) Butylbenzylphthalate	13.07	149	221953	46.74	ng #	64
80) Benzo(a)anthracene	13.62	228	441637	48.46	ng	99
81) 3,3'-Dichlorobenzidine	13.59	252	44383	15.03	ng	100
82) Chrysene	13.66	228	420400	51.18	ng	99
83) Bis(2-ethylhexyl)phthalate	13.65	149	318360	52.34	ng	99
84) Di-n-octyl phthalate	14.25	149	540086	58.42	ng	97
85) Indeno(1,2,3-cd)pyrene	16.12	276	308419	53.48	ng #	94
87) Benzo(b)fluoranthene	14.61	252	482636m	57.92	ng	
88) Benzo(k)fluoranthene	14.64	252	232706m	29.97	ng	
89) Benzo(a)pyrene	14.90	252	320362	44.12	ng #	95
90) Dibenzo(a,h)anthracene	16.13	278	257603	45.53	ng #	93
91) Benzo(g,h,i)perylene	16.47	276	258130	44.97	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 418

Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

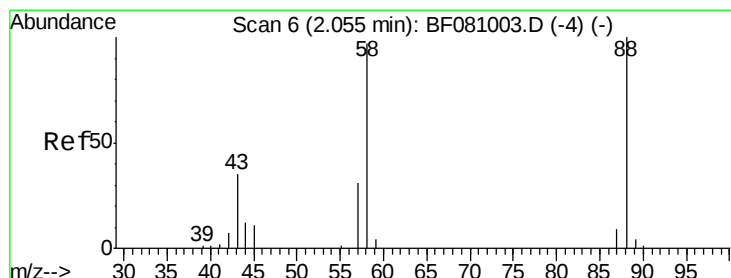
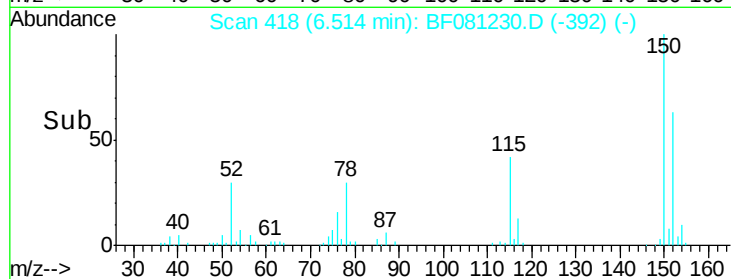
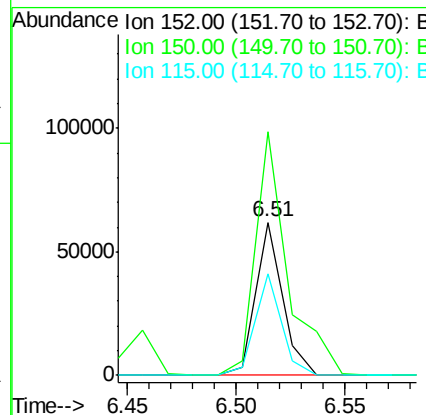
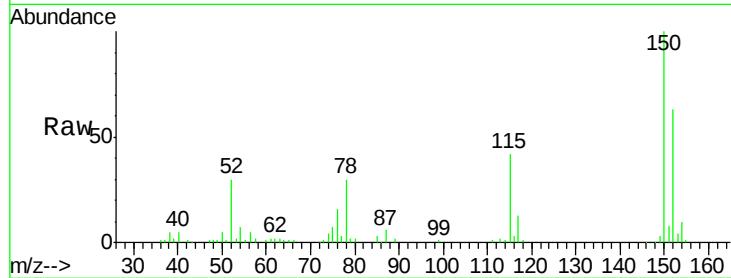
ClientSampleId :

SOIL-6MSD

Tgt Ion:	152	Resp:	53081
Ion Ratio	Lower	Upper	
152	100		
150	159.0	123.8	185.6
115	66.1	52.1	78.1

Manual Integrations
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#2

1,4-Dioxane

Concen: 35.02 ng

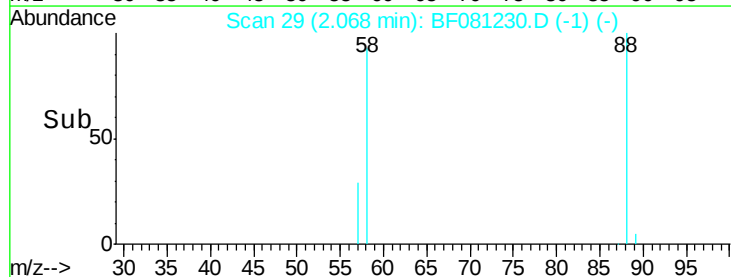
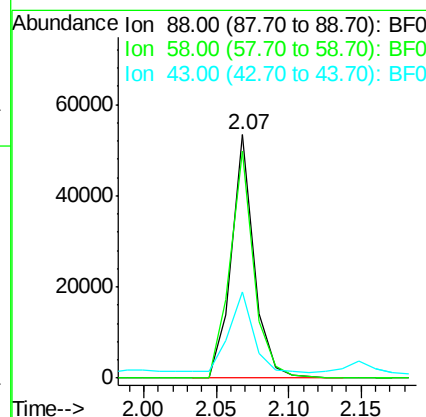
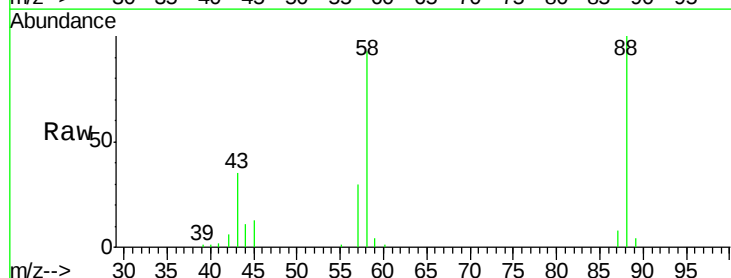
RT: 2.07 min Scan# 29

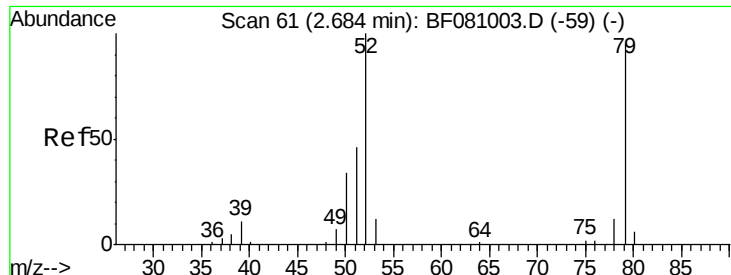
Delta R.T. 0.16 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Tgt Ion:	88	Resp:	58235
Ion Ratio	Lower	Upper	
88	100		
58	97.4	83.7	125.5
43	0.0	37.5	56.3#





#3

Pyridine

Concen: 30.19 ng

RT: 2.65 min Scan# 80

Delta R.T. 0.14 min

Lab File: BF081230.D

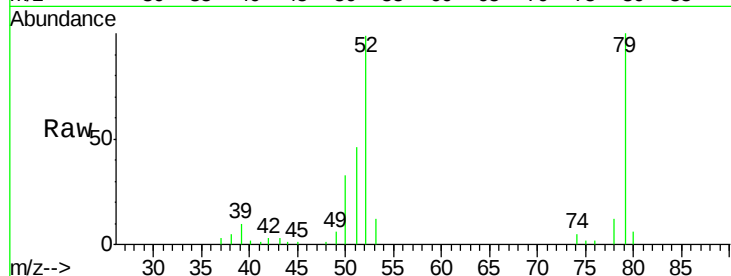
Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

ClientSampleId :

SOIL-6MSD



Tgt Ion: 79 Resp: 141702

Ion Ratio Lower Upper

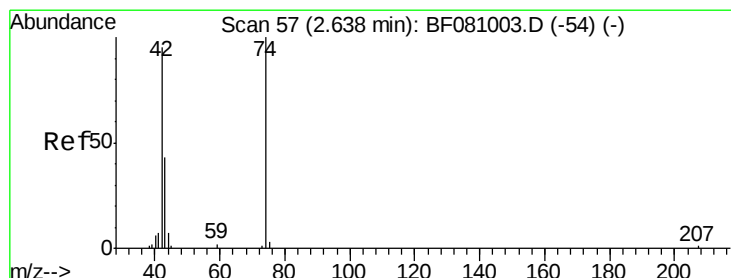
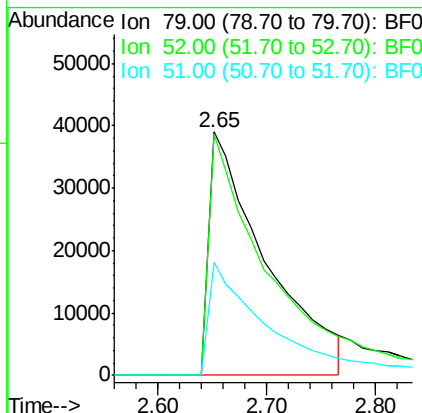
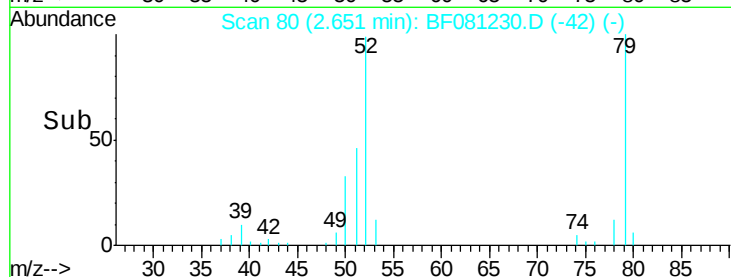
79 100

52 99.0 95.1 142.7

51 46.4 46.6 70.0#

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 38.27 ng

RT: 2.57 min Scan# 73

Delta R.T. 0.09 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

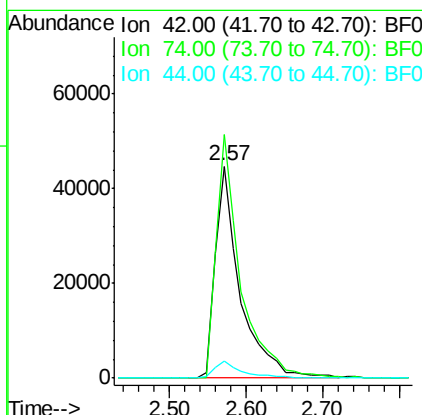
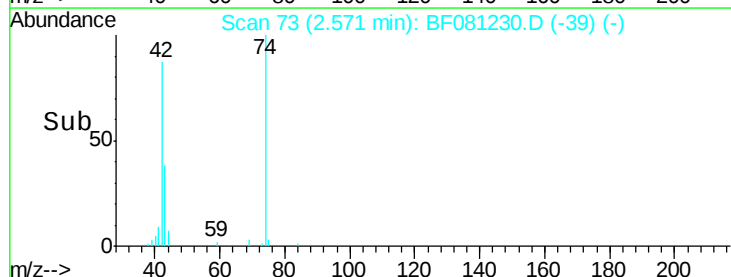
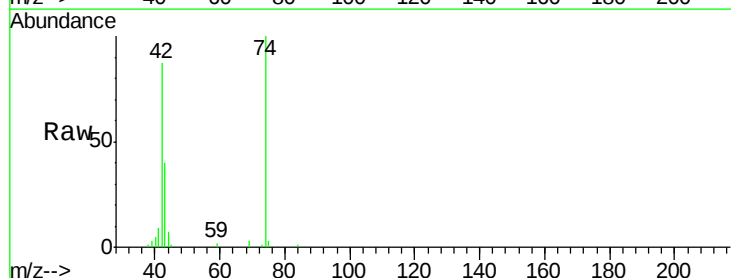
Tgt Ion: 42 Resp: 100020

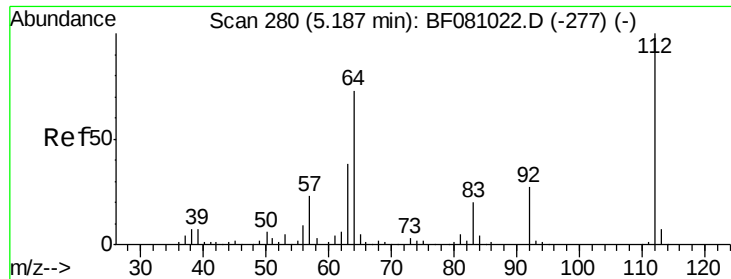
Ion Ratio Lower Upper

42 100

74 114.9 69.3 103.9#

44 8.0 5.5 8.3





#5

2-Fluorophenol

Concen: 117.41 ng

RT: 5.10 min Scan# 294

Delta R.T. 0.02 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

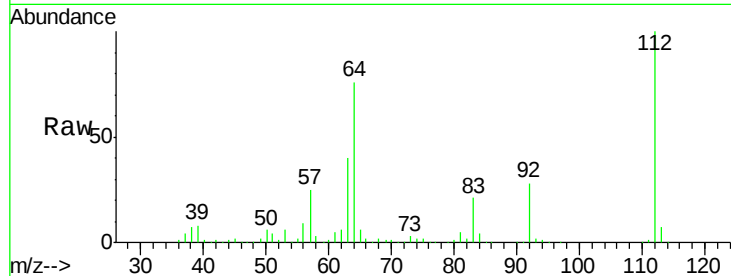
ClientSampleId :

SOIL-6MSD

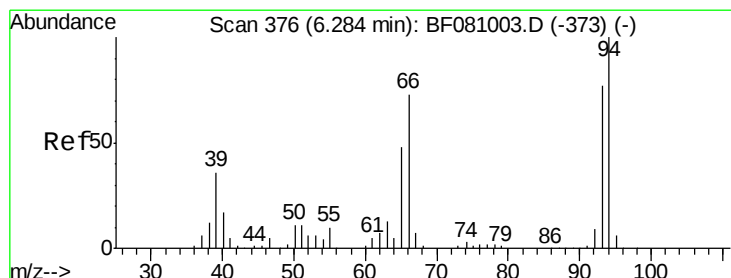
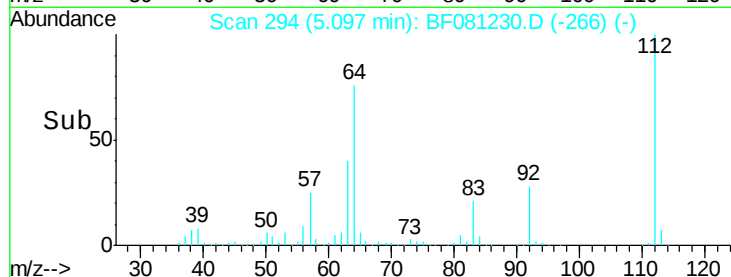
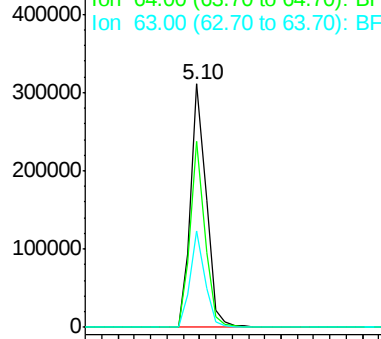
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Tgt Ion:	112	Resp:	414348
Ion Ratio	Lower	Upper	
112	100		
64	76.5	66.9	100.3
63	39.7	38.1	57.1



Abundance Ion 112.00 (111.70 to 112.70): BF081022.D (-277) (-)



#6

Aniline

Concen: 10.25 ng

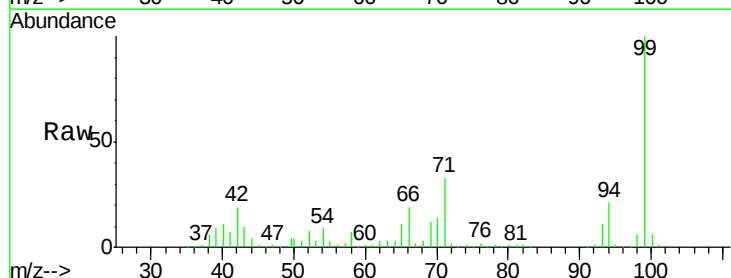
RT: 6.18 min Scan# 389

Delta R.T. -0.00 min

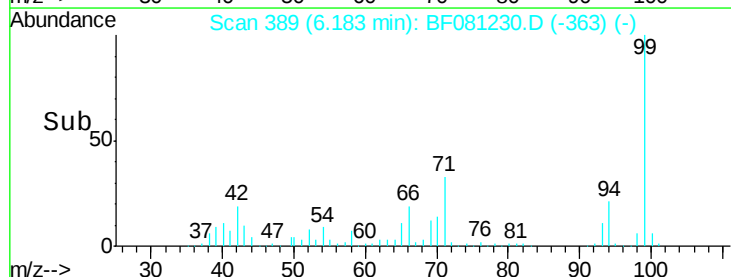
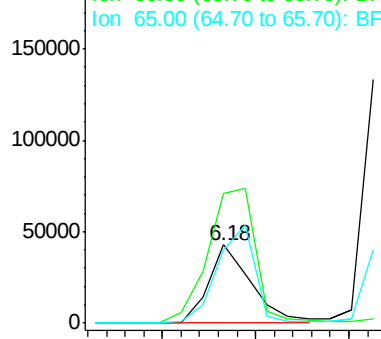
Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Tgt Ion:	93	Resp:	68602
Ion Ratio	Lower	Upper	
93	100		
66	166.9	35.6	53.4#
65	94.0	18.7	28.1#



Abundance Ion 93.00 (92.70 to 93.70): BF081003.D (-373) (-)





#7

Phenol-d6

Concen: 124.06 ng

RT: 6.18 min Scan# 389

Delta R.T. 0.01 min

Lab File: BF081230.D

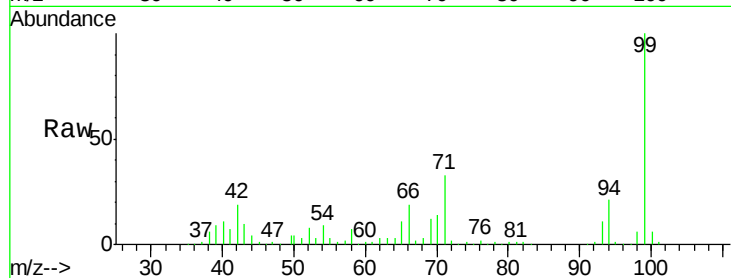
Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

ClientSampleId :

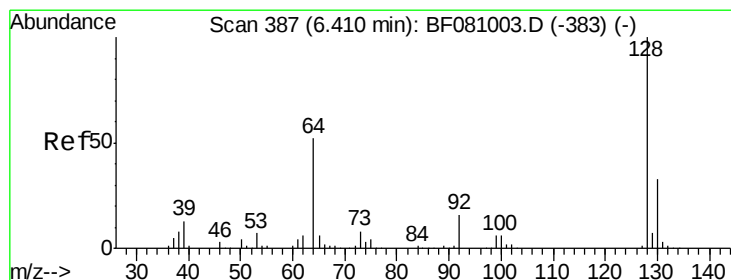
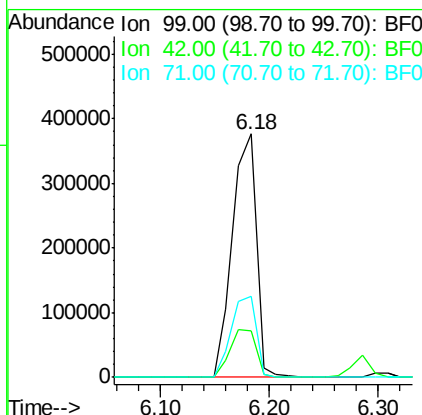
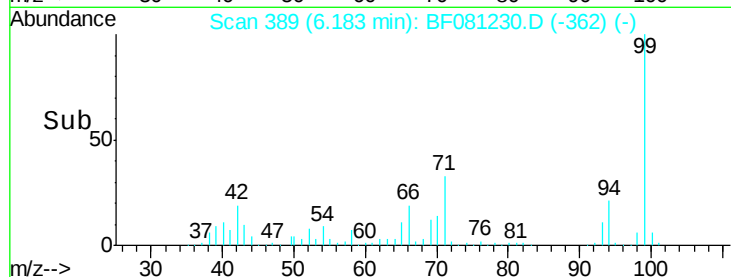
SOIL-6MSD



Tgt Ion:	99	Resp:	571224
Ion Ratio	Lower	Upper	
99	100		
42	19.1	19.6	29.4#
71	33.2	31.2	46.8

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#8

2-Chlorophenol

Concen: 40.67 ng

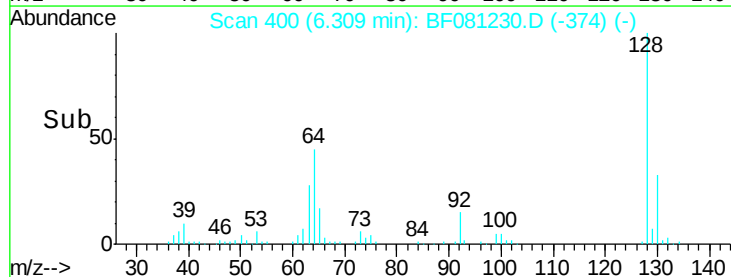
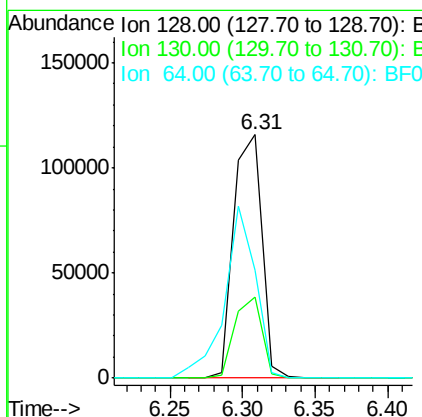
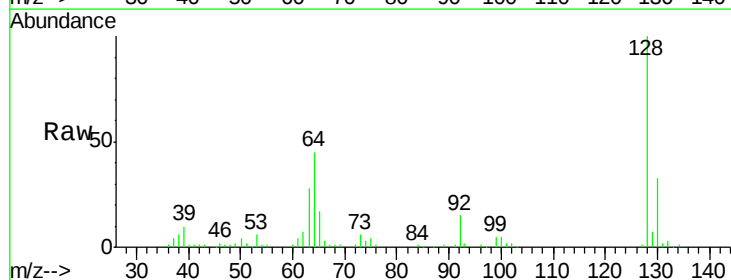
RT: 6.31 min Scan# 400

Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Tgt Ion:	128	Resp:	157088
Ion Ratio	Lower	Upper	
128	100		
130	33.4	12.5	52.5
64	44.5	46.8	86.8#





#9

Benzaldehyde

Concen: 11.05 ng

RT: 6.06 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

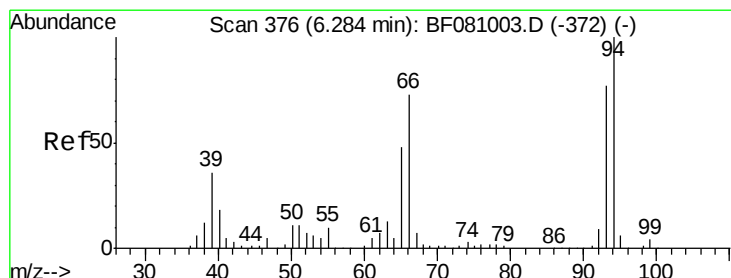
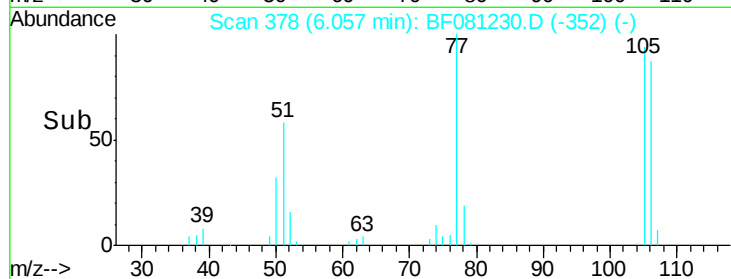
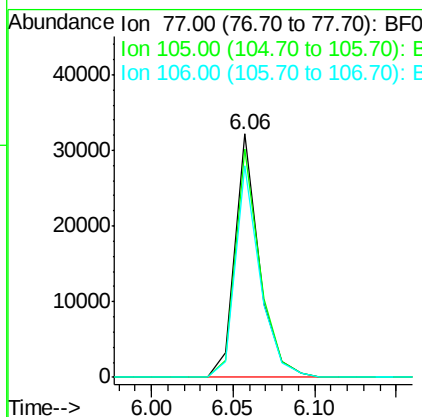
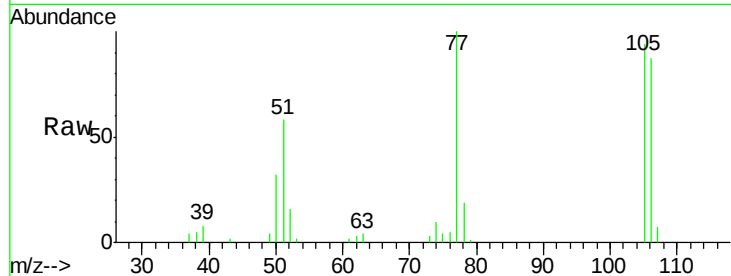
ClientSampleId :

SOIL-6MSD

Manual Integrations
APPROVED

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8/27/2015 2:32:48 PM

Tgt Ion:	77	Resp:	32809
Ion	Ratio	Lower	Upper
77	100		
105	93.7	69.6	109.6
106	86.7	64.0	104.0



#10

Phenol

Concen: 35.87 ng

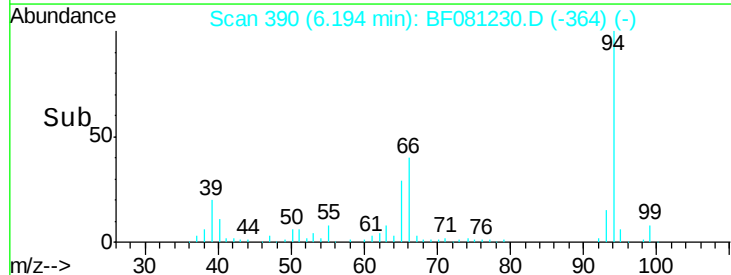
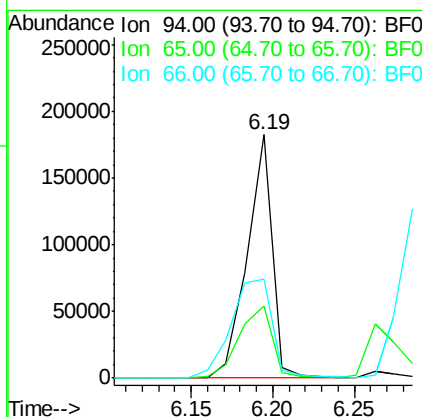
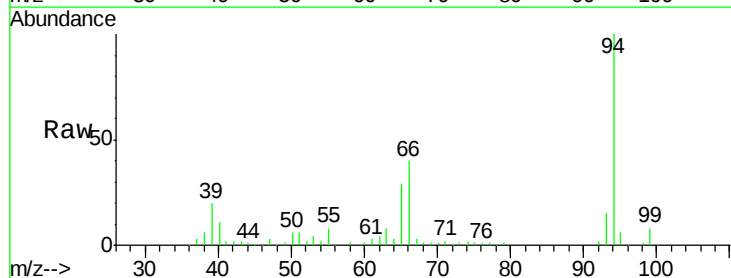
RT: 6.19 min Scan# 390

Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Tgt Ion:	94	Resp:	195071
Ion	Ratio	Lower	Upper
94	100		
65	29.4	28.4	68.4
66	40.4	52.3	92.3#





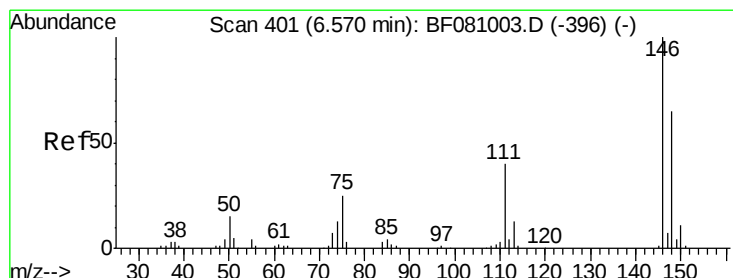
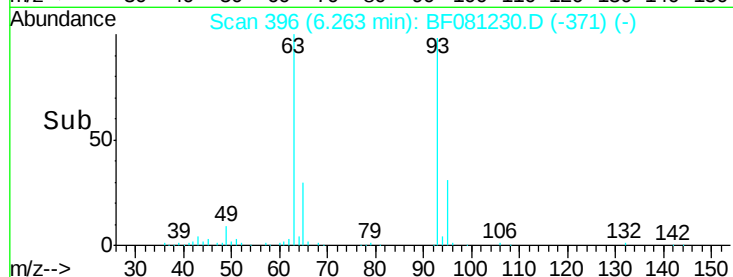
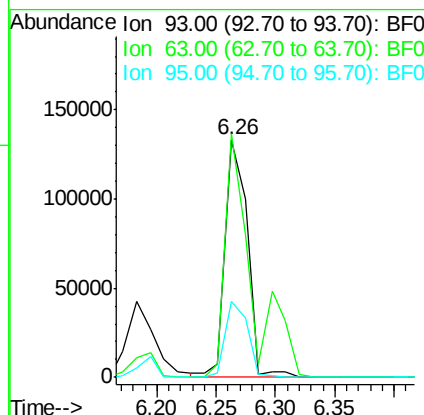
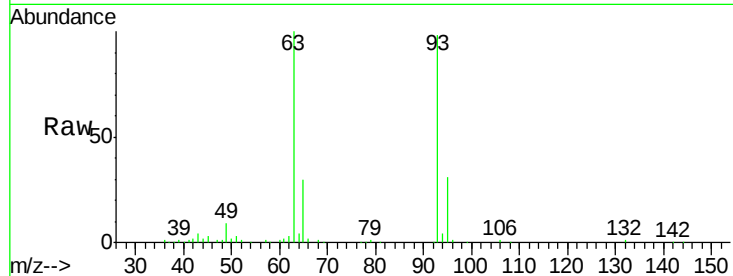
#11
 bis(2-Chloroethyl)ether
 Concen: 41.42 ng
 RT: 6.26 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6MSD

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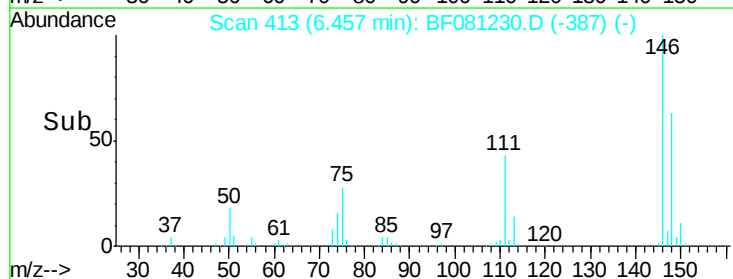
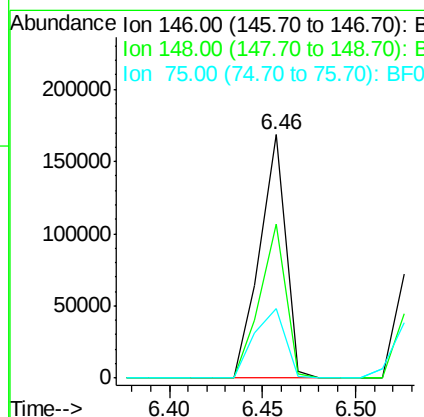
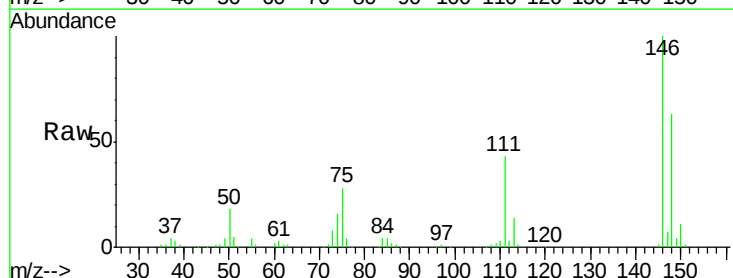
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Tgt Ion	Ratio	Resp	Lower	Upper
93	100	172823		
63	102.5	69.6	109.6	
95	32.2	12.3	52.3	



#12
 1,3-Dichlorobenzene
 Concen: 39.33 ng
 RT: 6.46 min Scan# 413
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

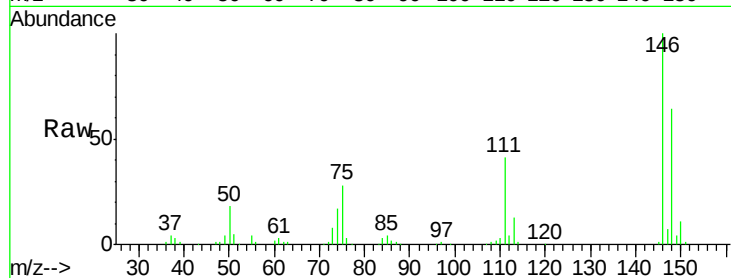
Tgt Ion	Ratio	Resp	Lower	Upper
146	100	163254		
148	63.4	53.3	79.9	
75	28.4	25.0	37.6	





#13
 1,4-Dichlorobenzene
 Concen: 39.69 ng
 RT: 6.54 min Scan# 420
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

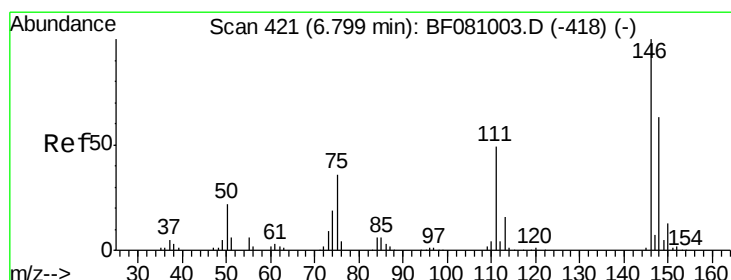
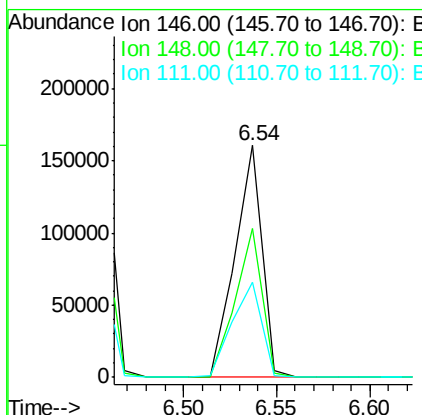
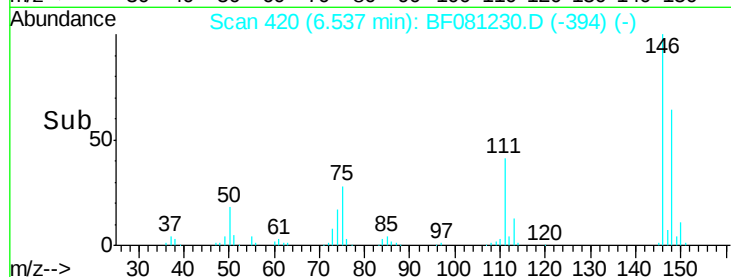
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6MSD



Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.3	78.5
111	41.1	34.4	51.6

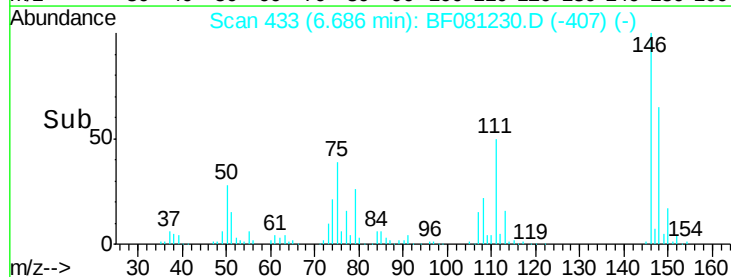
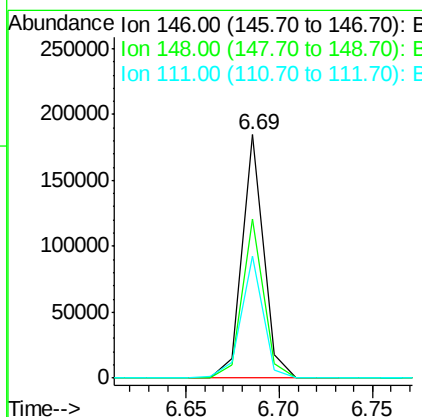
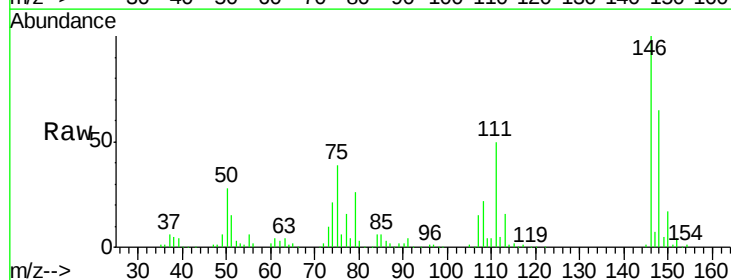
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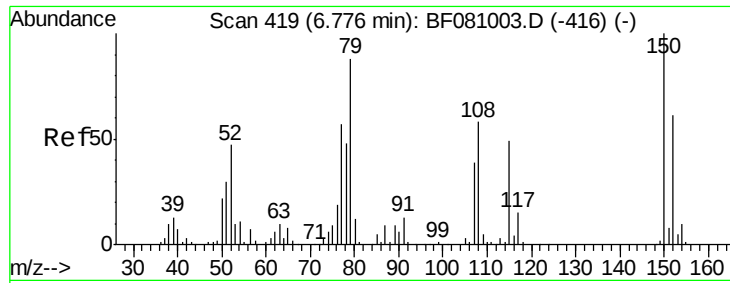
MMDadoda
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#14
 1,2-Dichlorobenzene
 Concen: 38.92 ng
 RT: 6.69 min Scan# 433
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	48.7	73.1
111	50.2	42.3	63.5





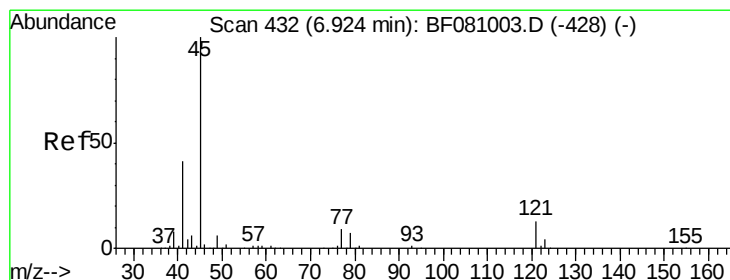
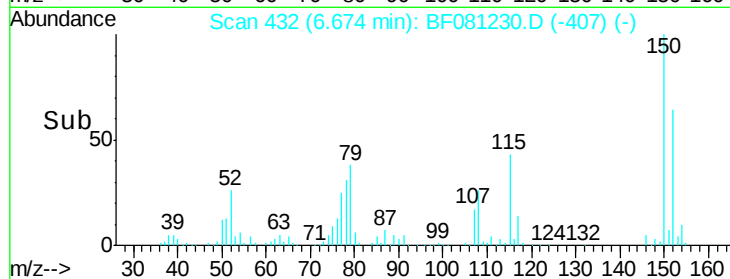
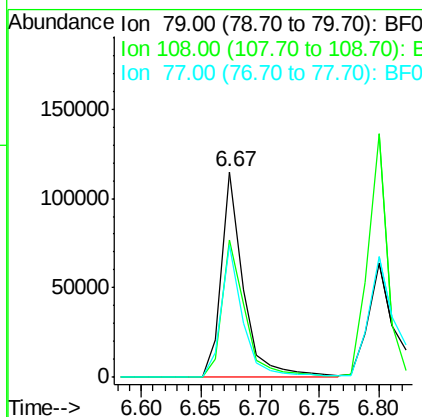
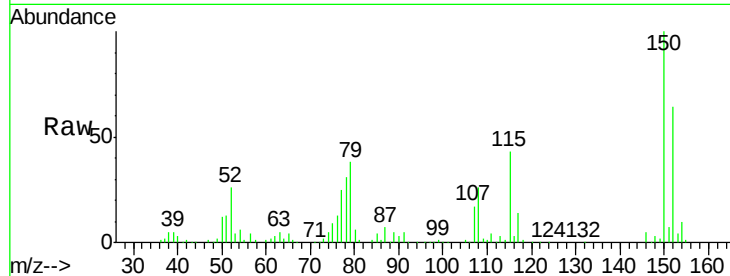
#15
Benzyl Alcohol
Concen: 39.51 ng
RT: 6.67 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Instrument :
BNA_F
ClientSampleId :
SOIL-6MSD

Tgt Ion	Ratio	Lower	Upper
79	100		
108	66.8	49.4	74.2
77	64.2	51.4	77.0

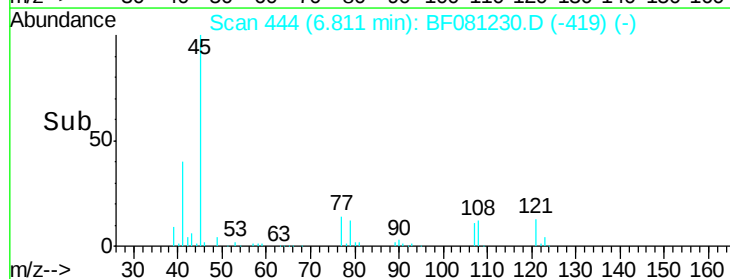
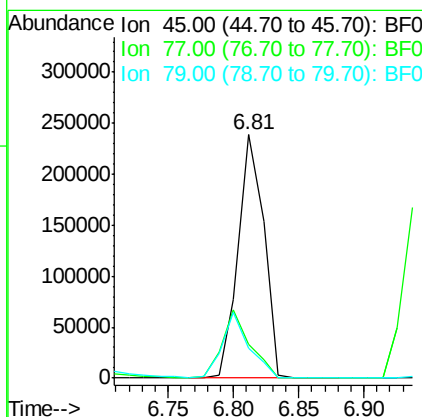
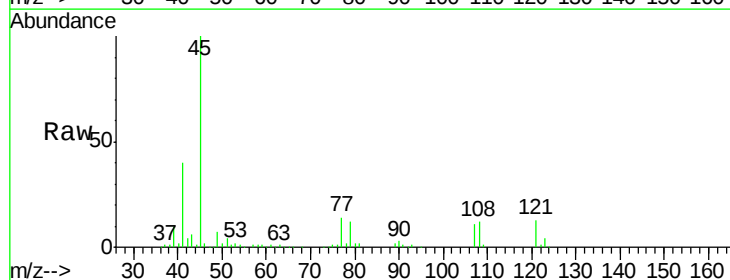
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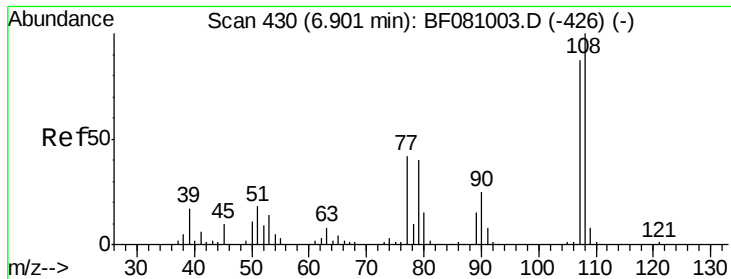
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.90 ng
RT: 6.81 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	30.2
79	12.1	0.0	28.0





#17

2-Methylphenol

Concen: 41.03 ng

RT: 6.80 min Scan# 443

Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

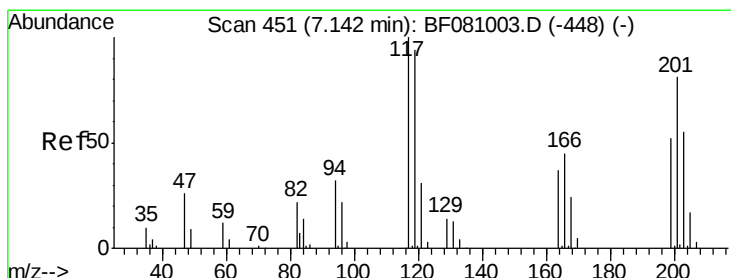
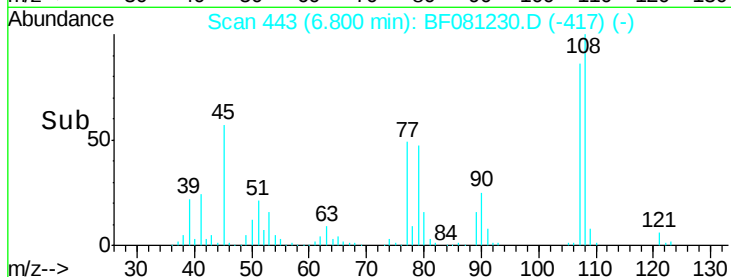
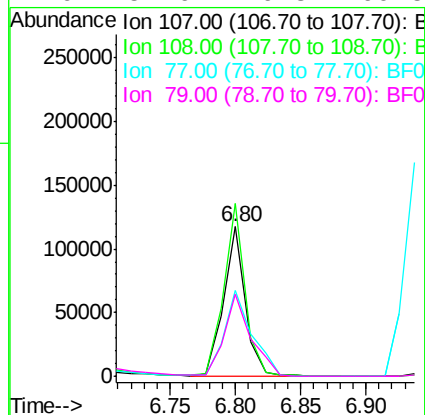
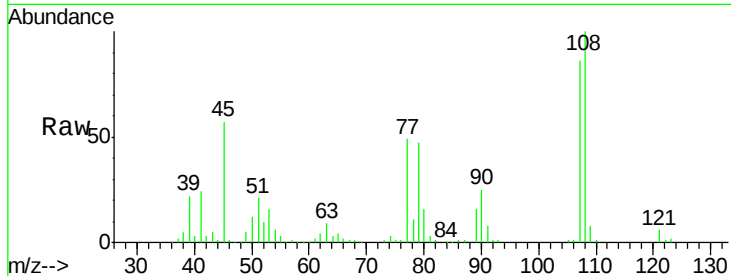
ClientSampleId :

SOIL-6MSD

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Tgt Ion:	107	Resp:	135987
Ion Ratio	Lower	Upper	
107	100		
108	115.9	90.4	135.6
77	57.2	46.5	69.7
79	54.6	46.3	69.5



#18

Hexachloroethane

Concen: 38.75 ng

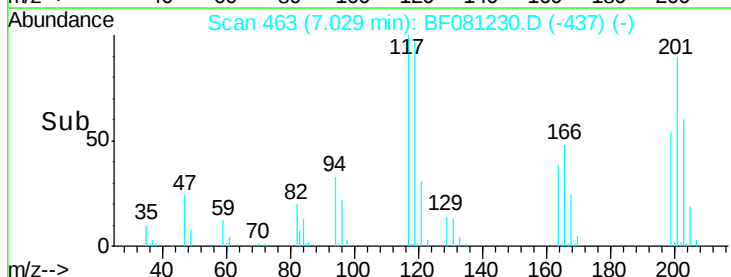
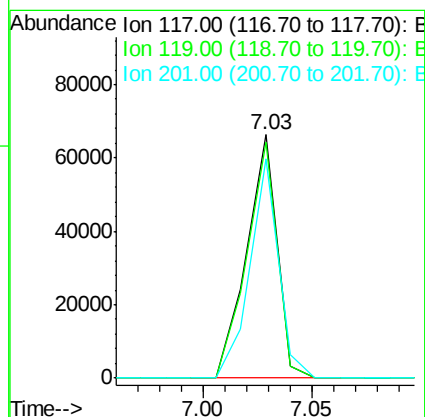
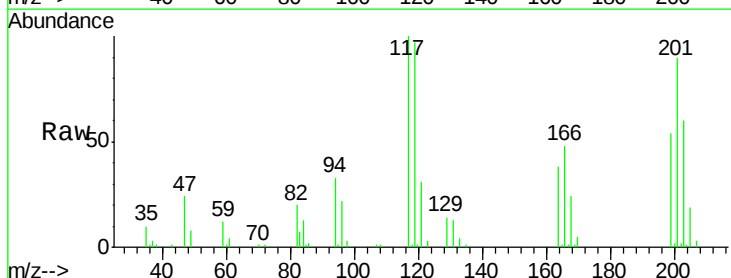
RT: 7.03 min Scan# 463

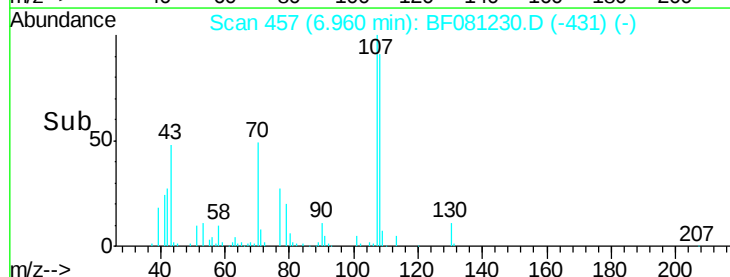
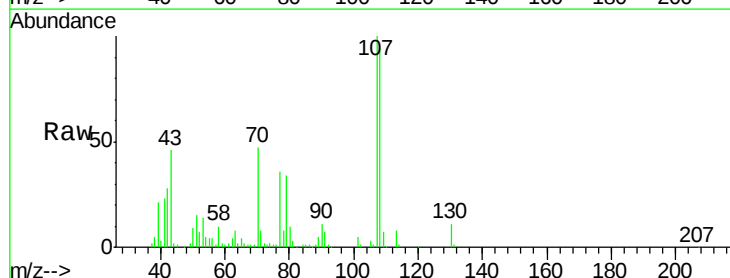
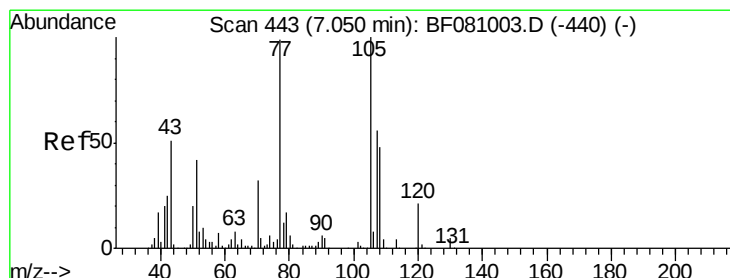
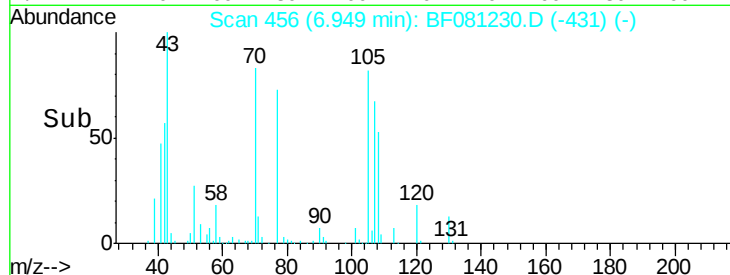
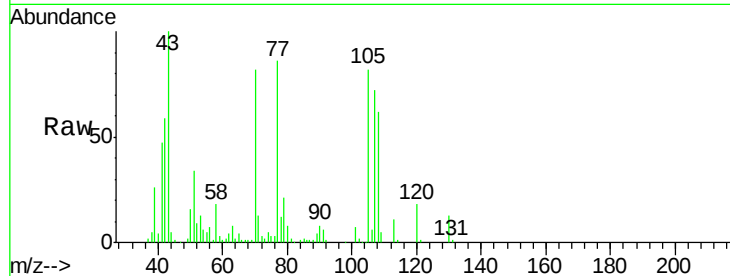
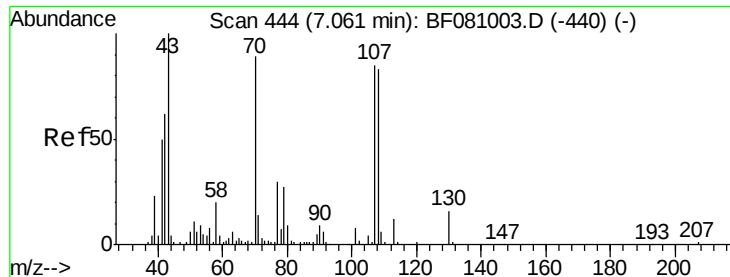
Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Tgt Ion:	117	Resp:	64354
Ion Ratio	Lower	Upper	
117	100		
119	96.7	77.9	116.9
201	89.8	61.3	91.9





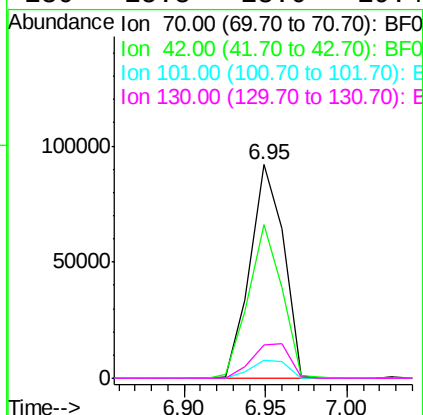
#19
n-Nitroso-di-n-propylamine
Concen: 41.23 ng
RT: 6.95 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Instrument :
BNA_F
ClientSampleId :
SOIL-6MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
70	100		
42	72.0	65.0	97.4
101	8.4	7.4	11.2
130	15.8	13.0	19.4

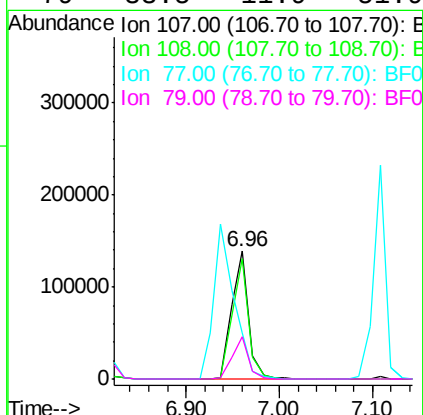
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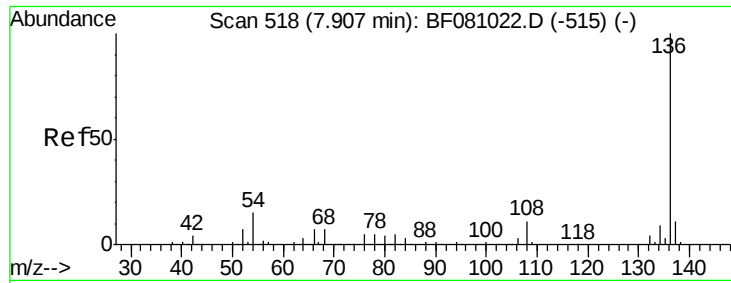
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#20
3+4-Methylphenols
Concen: 41.56 ng
RT: 6.96 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	93.9	66.1	106.1
77	36.2	139.3	179.3#
79	33.5	11.9	51.9





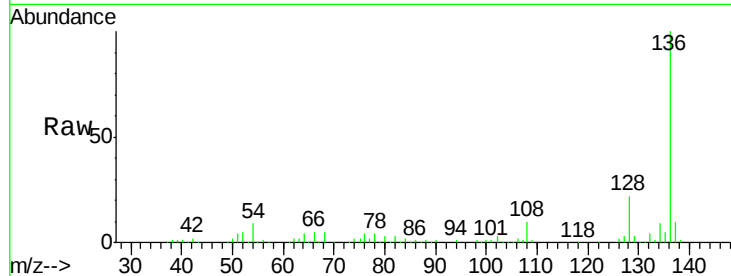
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.81 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Instrument :
BNA_F
ClientSampleId :
SOIL-6MSD

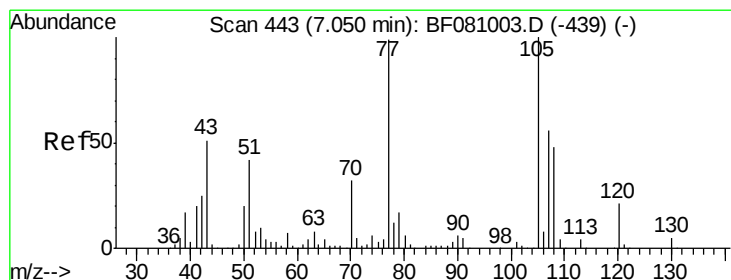
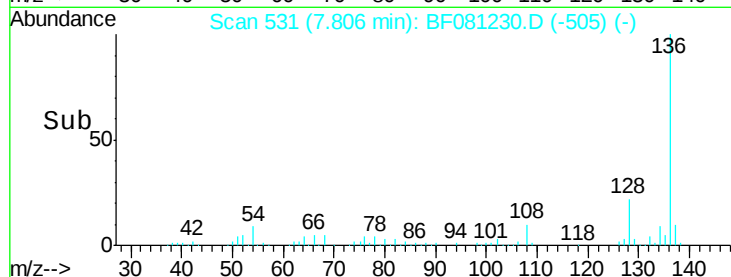
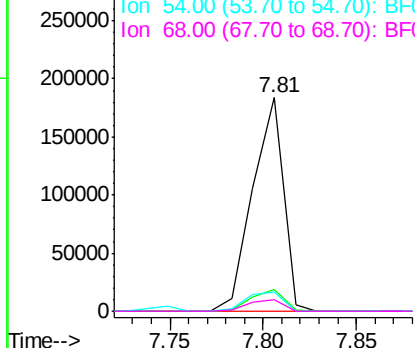
Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.4	8.2	12.2
54	9.2	7.7	11.5
68	5.3	3.4	5.2#

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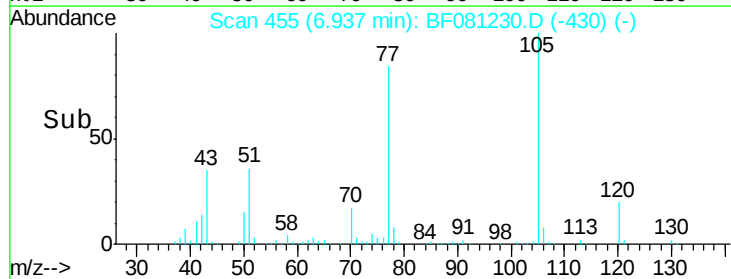
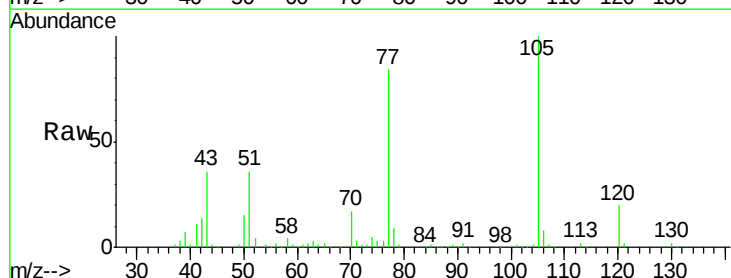
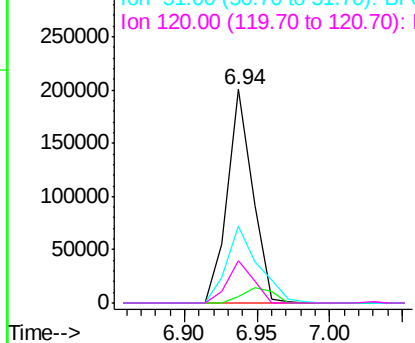
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 43.84 ng
RT: 6.94 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
71	2.8	3.0	4.6#
51	35.8	39.8	59.8#
120	20.0	15.8	23.8

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





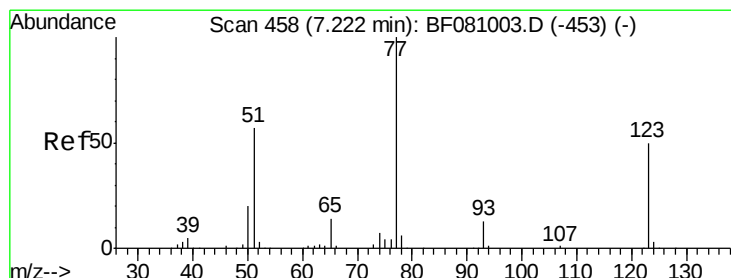
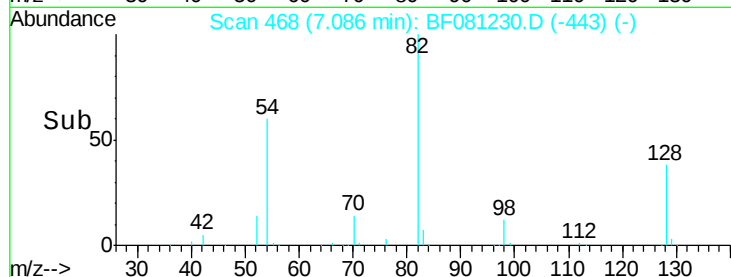
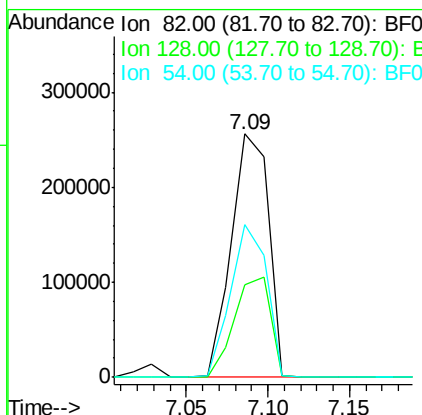
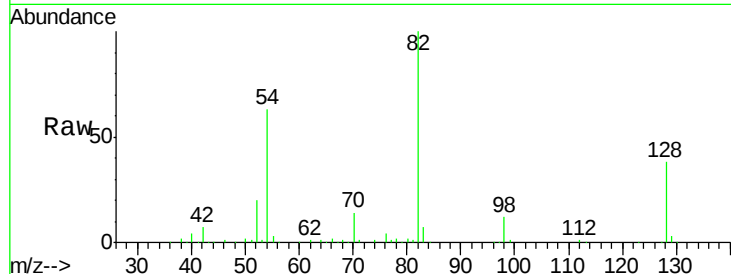
#23
 Nitrobenzene-d5
 Concen: 87.54 ng
 RT: 7.09 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6MSD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	402909		
128	38.1	28.6	42.8	
54	62.7	55.1	82.7	

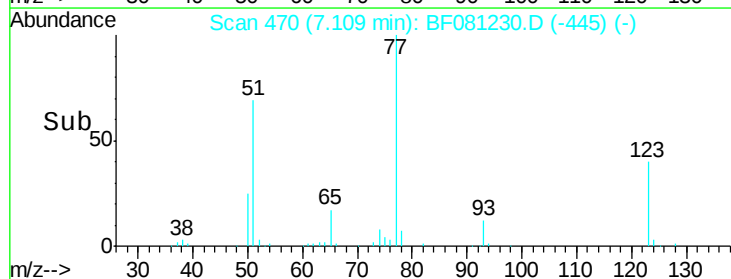
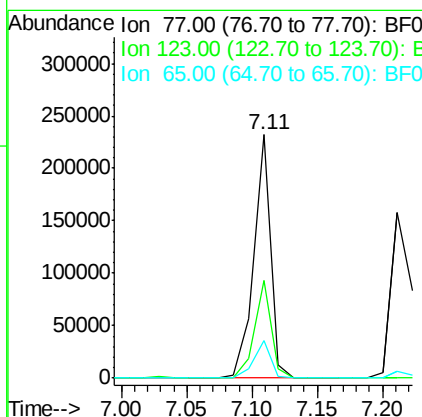
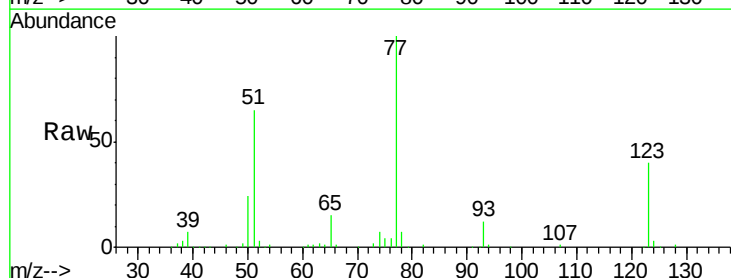
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#24
 Nitrobenzene
 Concen: 43.53 ng
 RT: 7.11 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	209501		
123	40.3	32.9	49.3	
65	15.4	12.5	18.7	





#25

Isophorone

Concen: 40.55 ng

RT: 7.35 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF081230.D

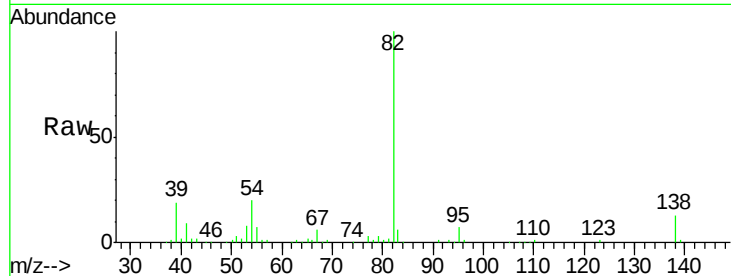
Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

ClientSampleId :

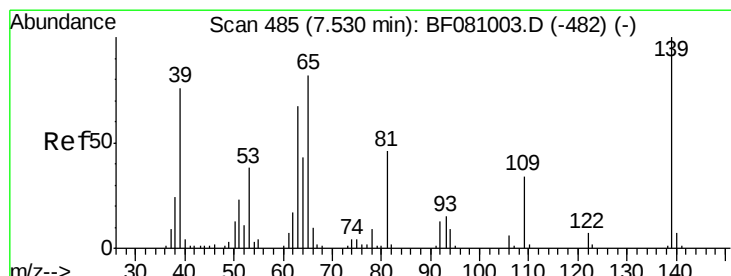
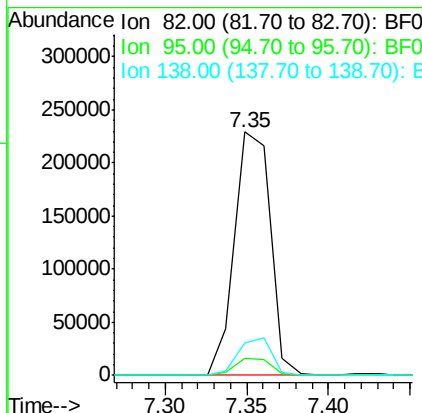
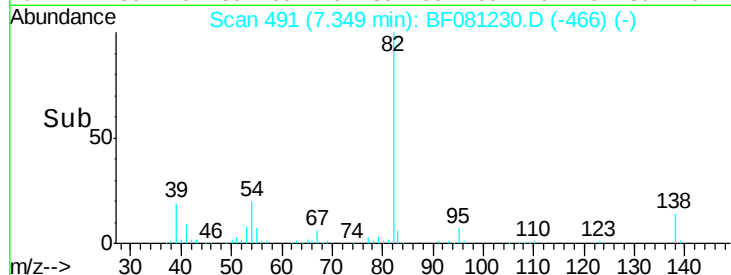
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	348054		
95	6.8	6.2	9.2	
138	13.4	10.5	15.7	

Manual Integrations
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#26

2-Nitrophenol

Concen: 45.47 ng

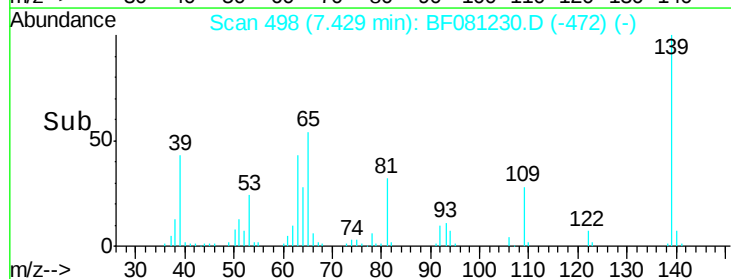
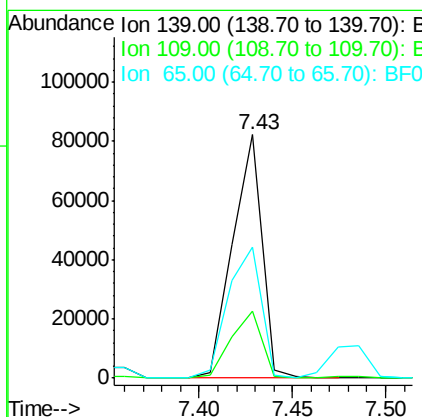
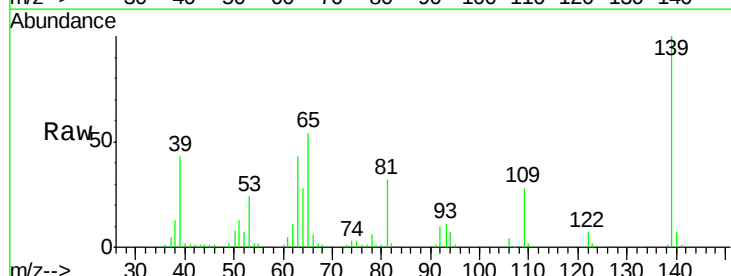
RT: 7.43 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	91010		
109	27.8	32.1	48.1#	
65	53.8	69.9	104.9#	





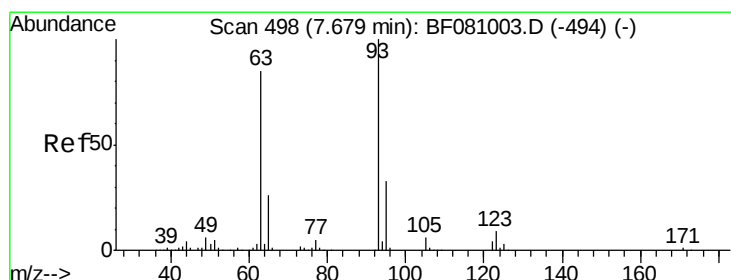
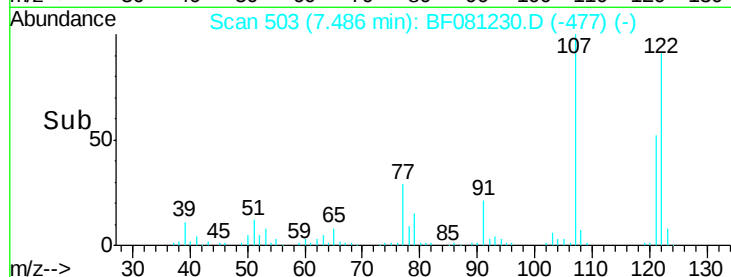
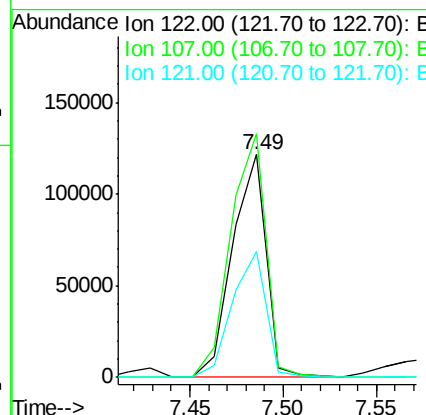
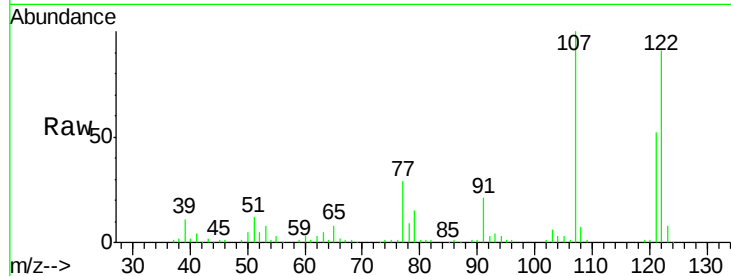
#27
 2,4-Dimethylphenol
 Concen: 43.34 ng
 RT: 7.49 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6MSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	153444		
107	109.3	103.8	155.6	
121	56.3	47.0	70.4	

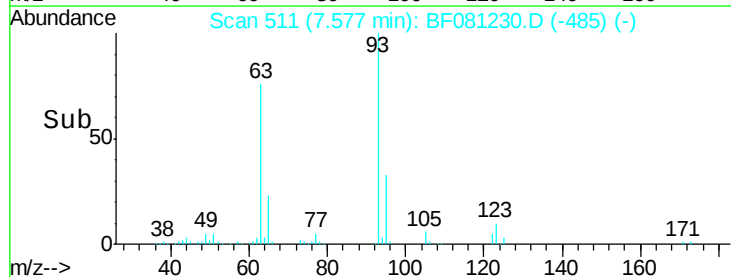
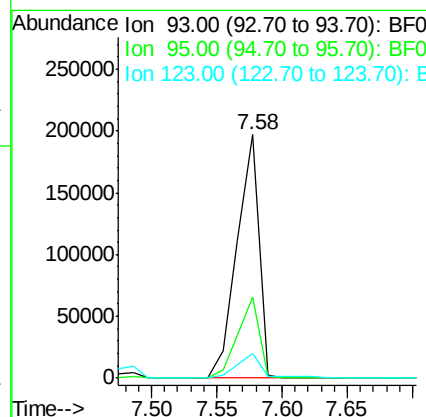
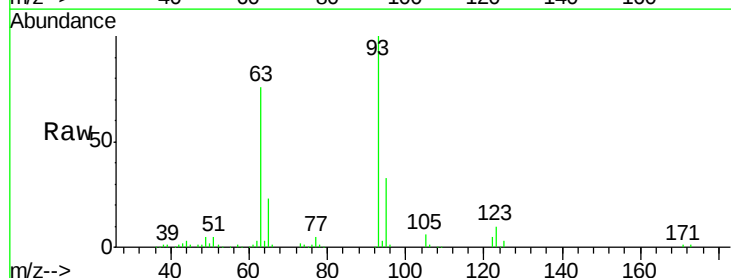
Manual Integrations
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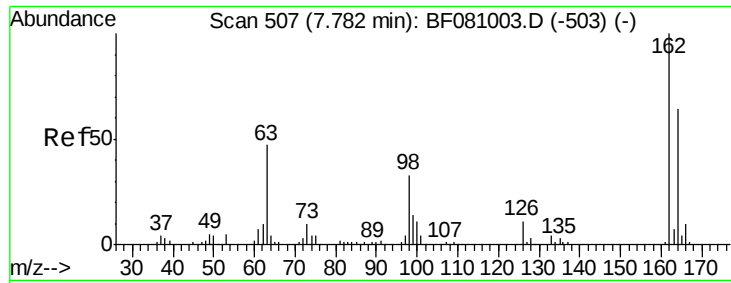
MMDadoda
 8/27/2015 2:32:48 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 45.26 ng
 RT: 7.58 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	229481		
95	33.1	25.8	38.8	
123	10.3	7.4	11.0	





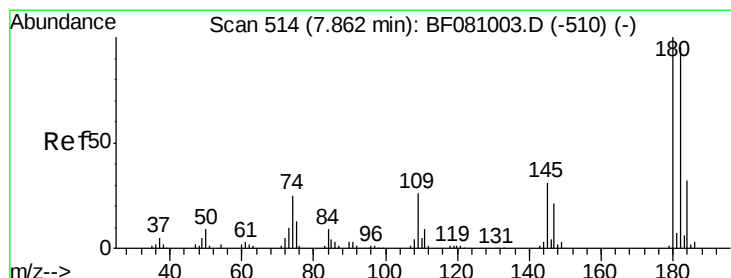
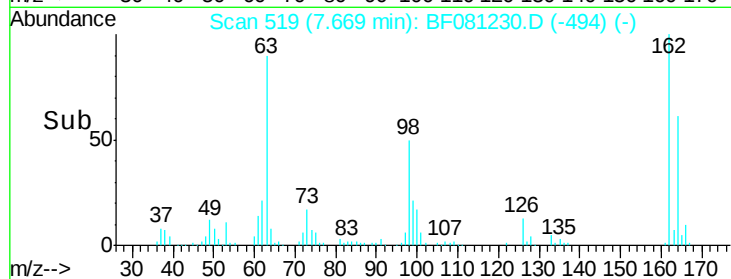
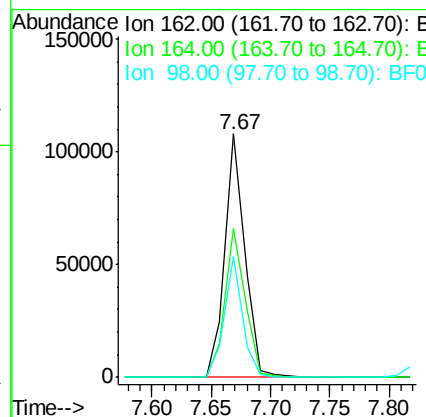
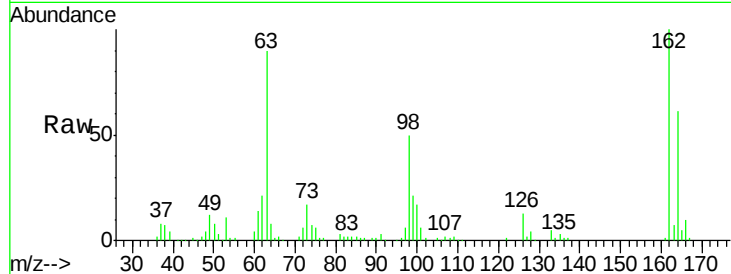
#29
 2,4-Dichlorophenol
 Concen: 42.01 ng
 RT: 7.67 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Instrument :
 BNA_F
 ClientSampled :
 SOIL-6MSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	125213		
164	61.0	43.2	83.2	
98	49.8	12.3	52.3	

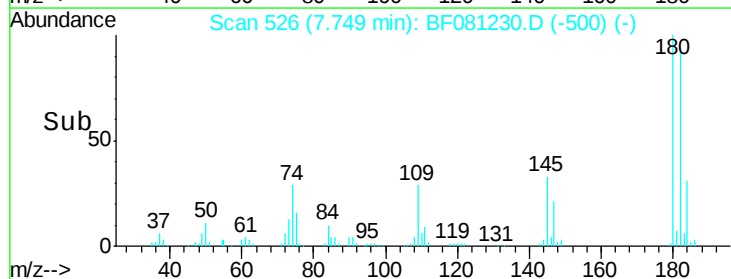
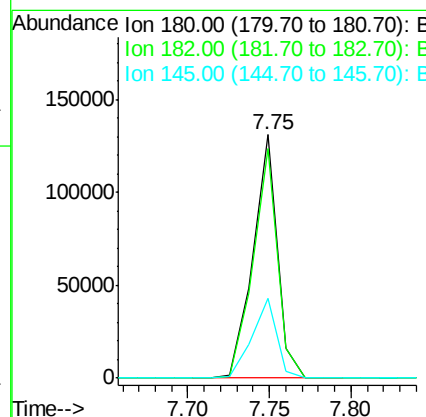
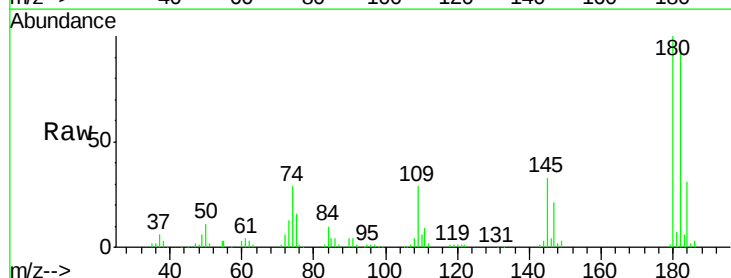
Manual Integrations
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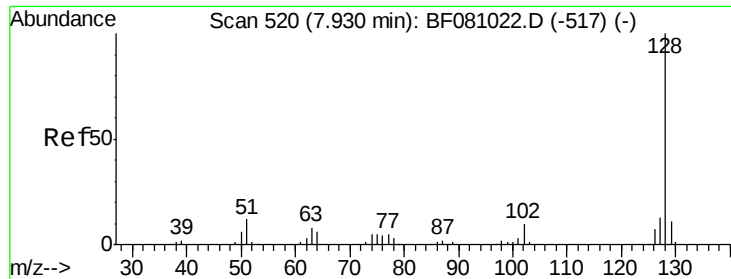
MMDadoda
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#30
 1,2,4-Trichlorobenzene
 Concen: 40.81 ng
 RT: 7.75 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	135202		
182	94.5	76.4	114.6	
145	32.5	25.4	38.2	





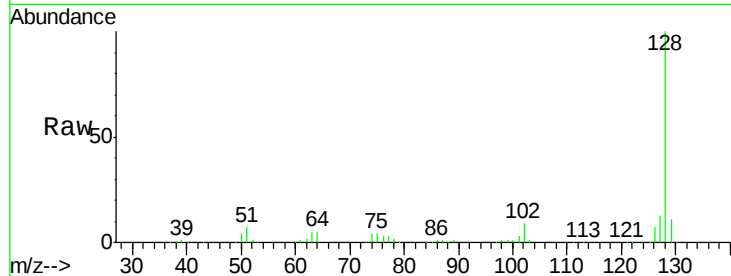
#31
Naphthalene
Concen: 40.54 ng
RT: 7.83 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Instrument :
BNA_F
ClientSampleId :
SOIL-6MSD

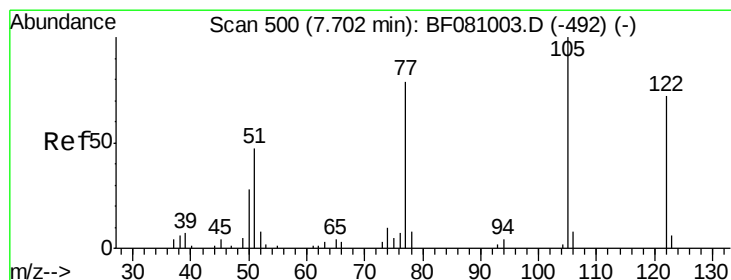
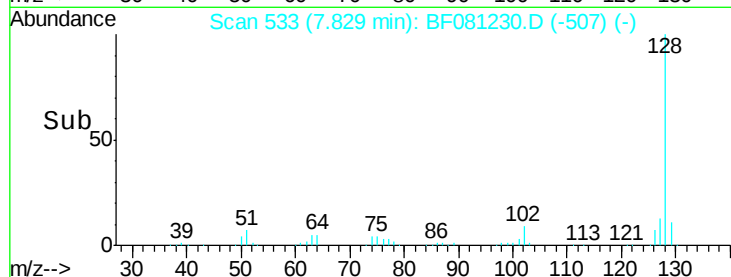
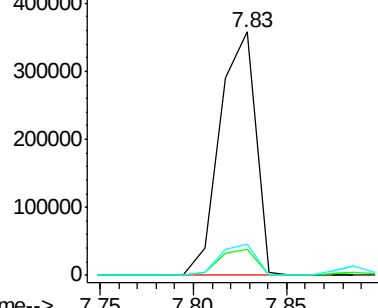
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	475176		
129	10.8	8.4	12.6	
127	12.7	10.6	16.0	

Manual Integrations
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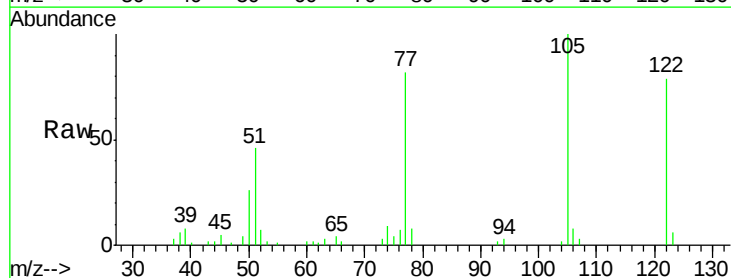


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

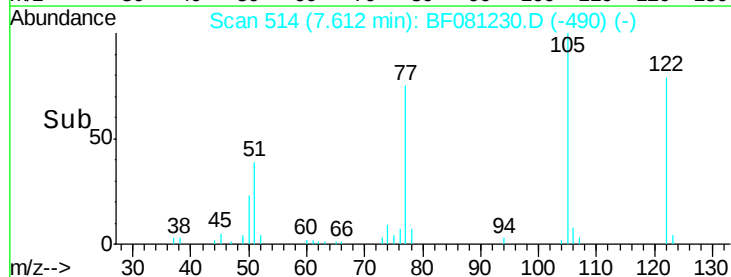
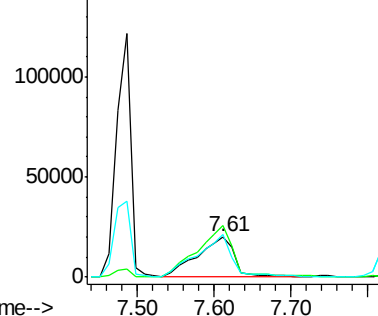


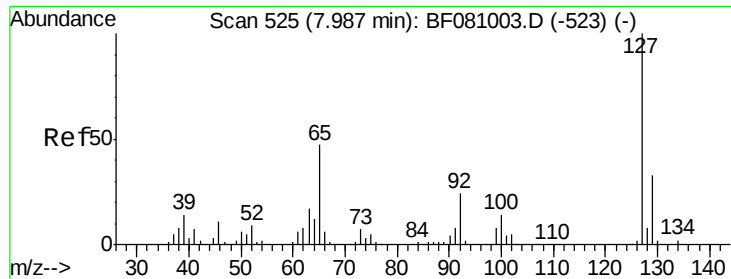
#32
Benzoic acid
Concen: 33.04 ng
RT: 7.61 min Scan# 514
Delta R.T. -0.02 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	65805		
105	126.6	113.8	153.8	
77	104.2	93.8	133.8	



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





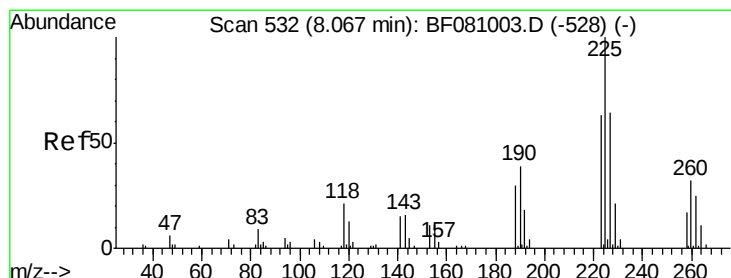
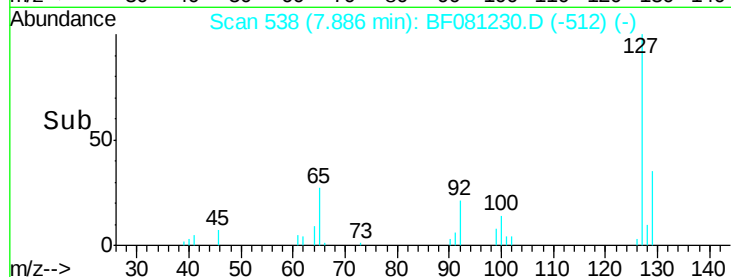
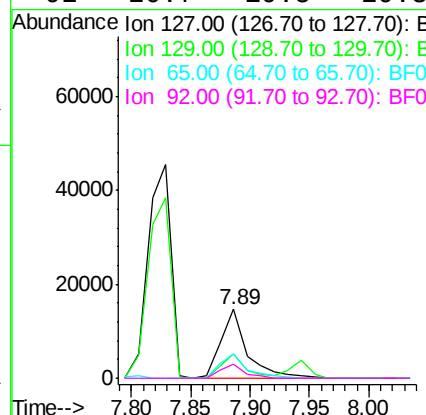
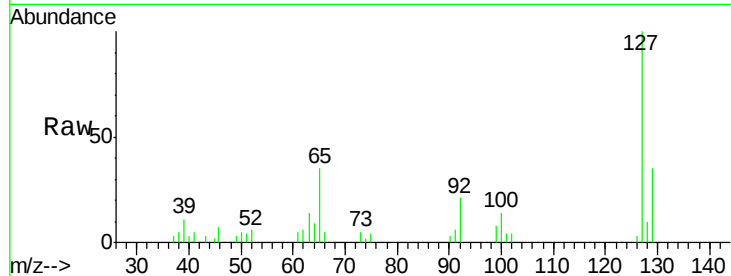
#33
4-Chloroaniline
Concen: 4.53 ng
RT: 7.89 min Scan# 538
Delta R.T. -0.00 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Instrument :
BNA_F
ClientSampleId :
SOIL-6MSD

Tgt Ion	Ratio	Lower	Upper
127	100		
129	35.2	25.2	37.8
65	34.9	37.8	56.6
92	20.7	19.5	29.3

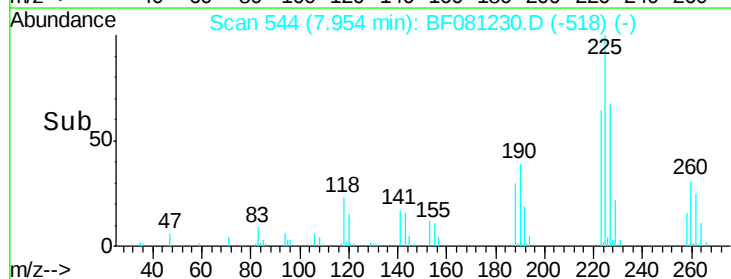
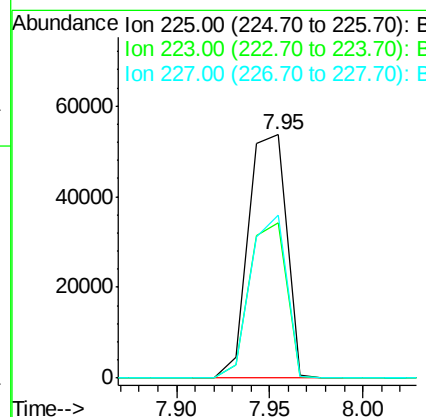
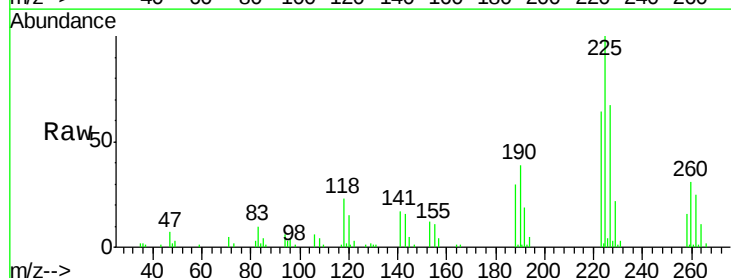
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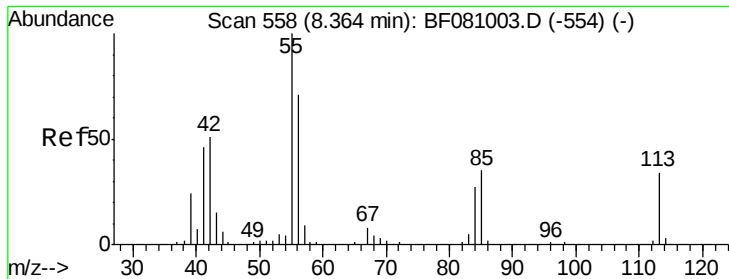
MMDadoda
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#34
Hexachlorobutadiene
Concen: 40.45 ng
RT: 7.95 min Scan# 544
Delta R.T. -0.00 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	52.6	79.0
227	66.9	51.1	76.7





#35

Caprolactam

Concen: 43.15 ng m

RT: 8.26 min Scan# 571

Delta R.T. -0.02 min

Lab File: BF081230.D

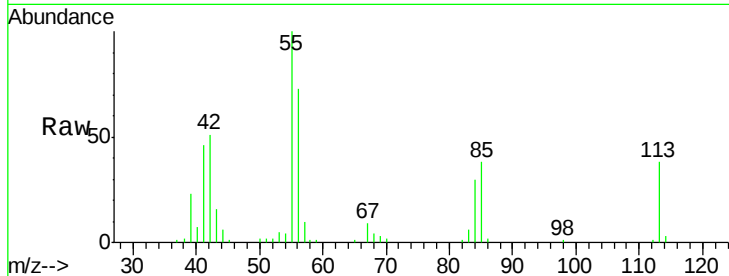
Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

ClientSampleId :

SOIL-6MSD



Tgt Ion:113 Resp: 44960

Ion Ratio Lower Upper

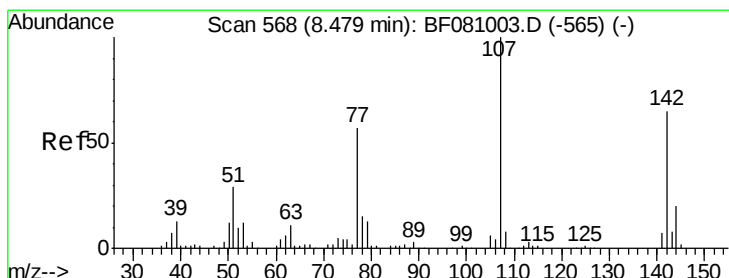
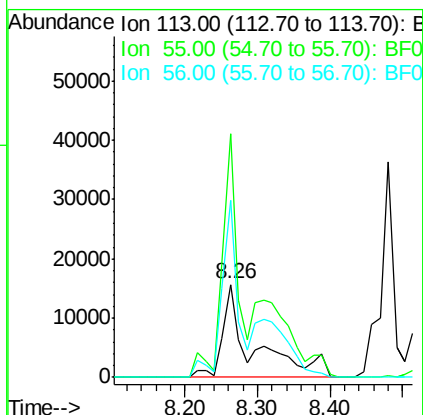
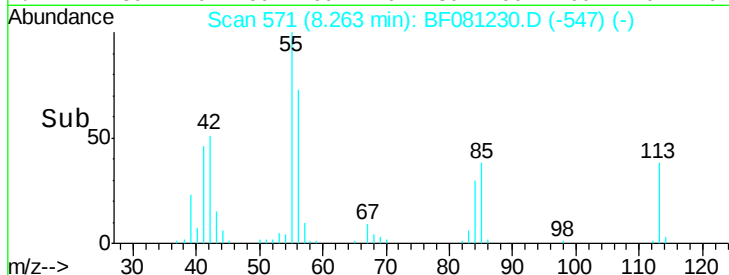
113 100

55 261.6 280.4 320.4#

56 190.2 205.9 245.9#

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#36

4-Chloro-3-methylphenol

Concen: 47.14 ng

RT: 8.39 min Scan# 582

Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

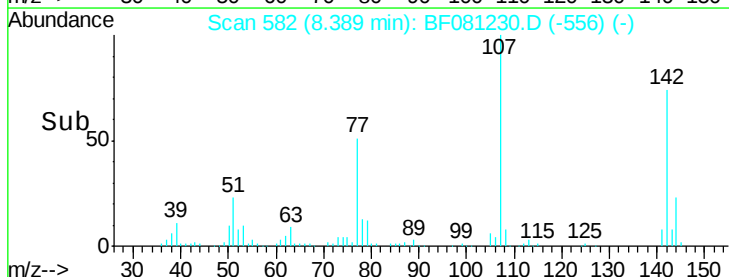
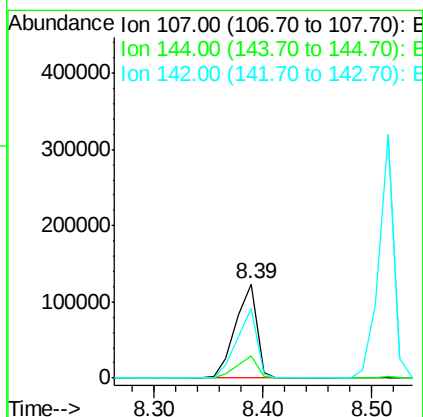
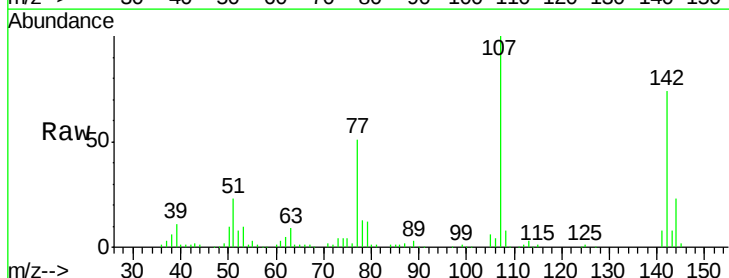
Tgt Ion:107 Resp: 167473

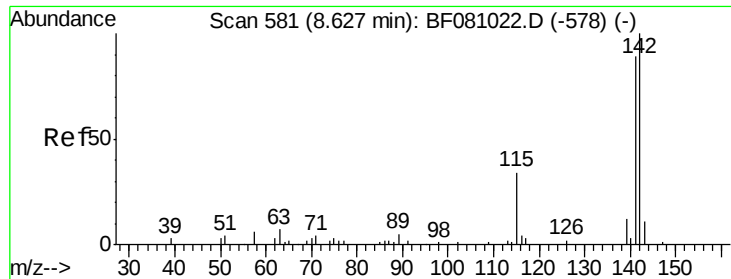
Ion Ratio Lower Upper

107 100

144 23.2 17.2 25.8

142 73.9 54.9 82.3





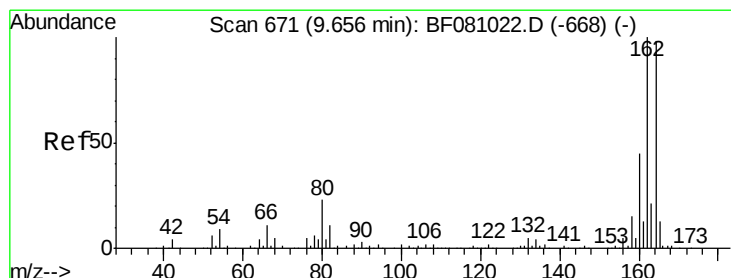
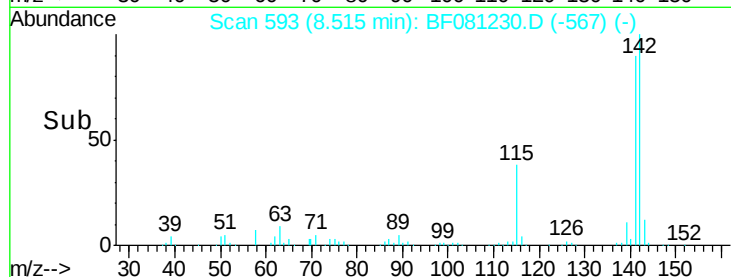
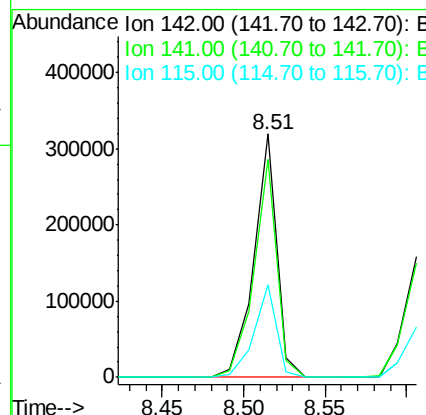
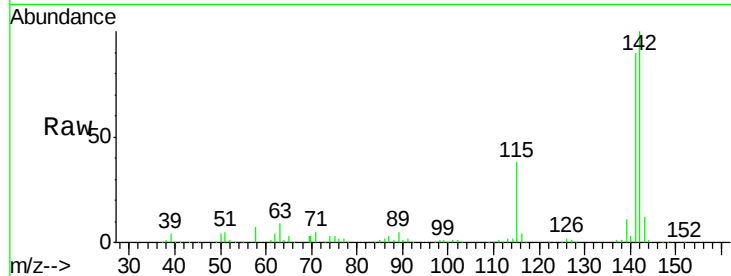
#37
 2-Methylnaphthalene
 Concen: 41.94 ng
 RT: 8.51 min Scan# 593
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6MSD

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	310473		
141	89.6	71.4	107.2	
115	38.3	33.4	50.0	

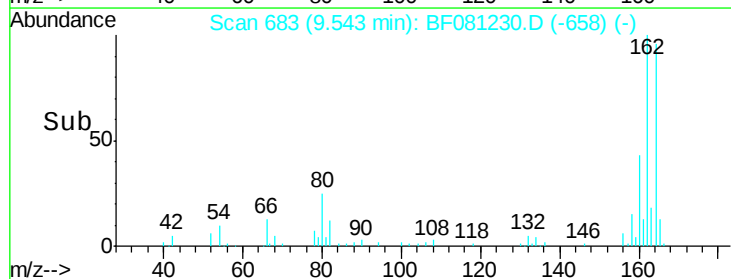
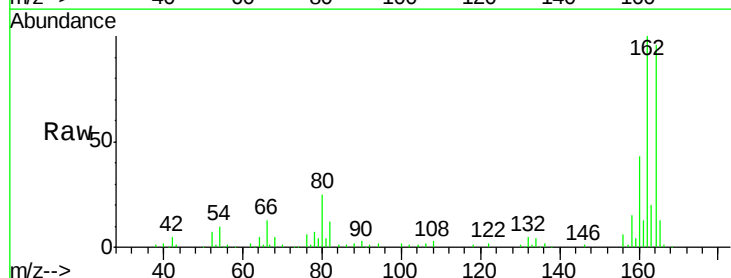
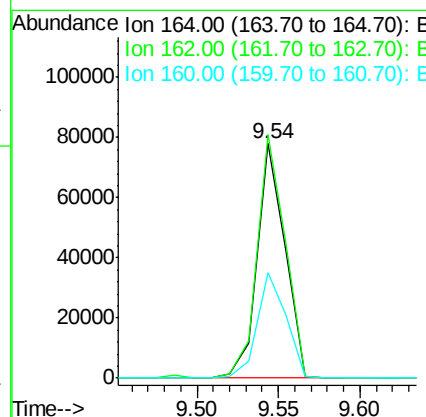
Manual Integrations
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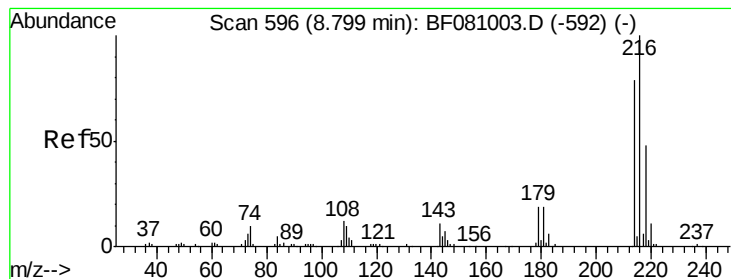
MMDadoda
 8/27/2015 2:32:48 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91541		
162	104.0	83.8	125.8	
160	45.1	39.8	59.8	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.71 ng

RT: 8.69 min Scan# 608

Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

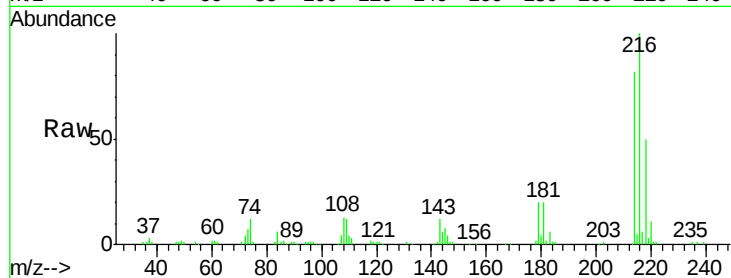
ClientSampleId :

SOIL-6MSD

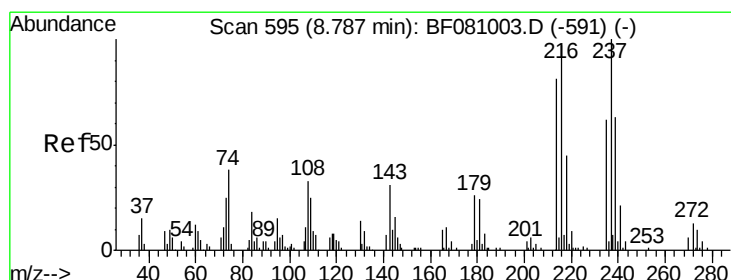
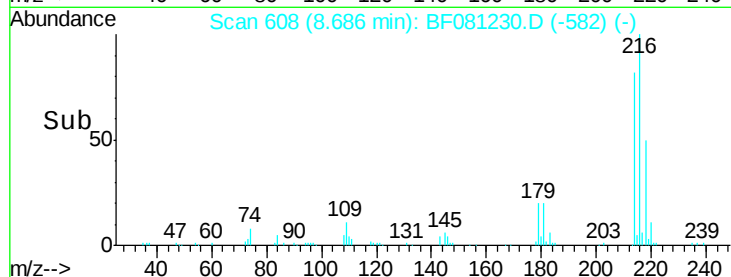
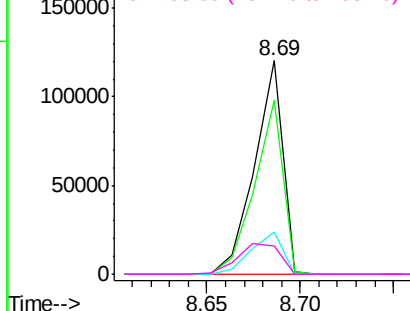
Manual Integrations
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8/27/2015 2:32:48 PM

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	129104		
214	81.9	63.8	95.8	
179	21.9	17.8	26.8	
108	21.9	16.2	24.2	



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



#40

Hexachlorocyclopentadiene

Concen: 82.48 ng

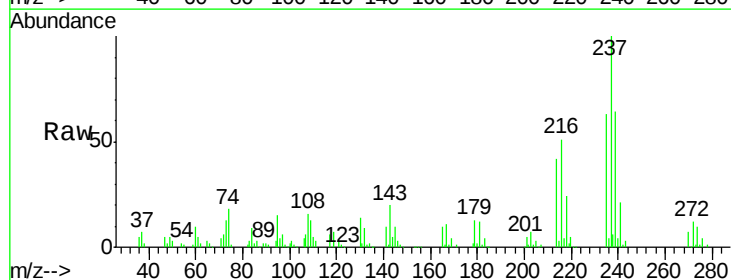
RT: 8.67 min Scan# 607

Delta R.T. -0.00 min

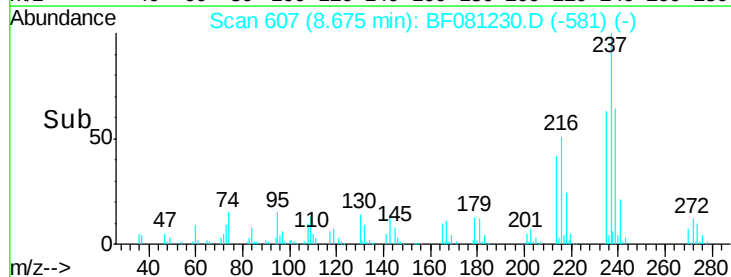
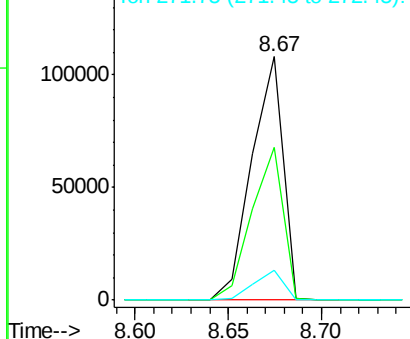
Lab File: BF081230.D

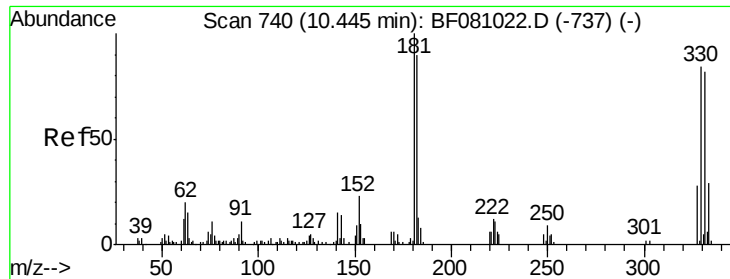
Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	126080		
235	62.9	43.6	83.6	
272	12.2	0.0	32.2	



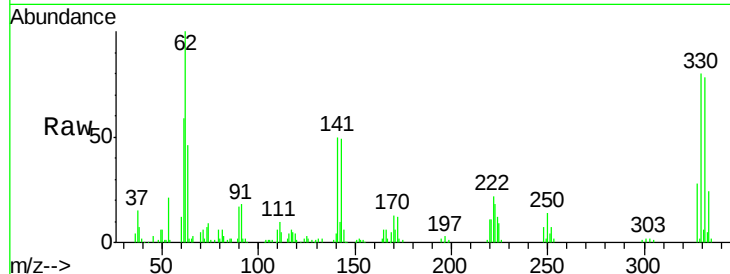
Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E





#41
 2,4,6-Tribromophenol
 Concen: 123.27 ng
 RT: 10.33 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

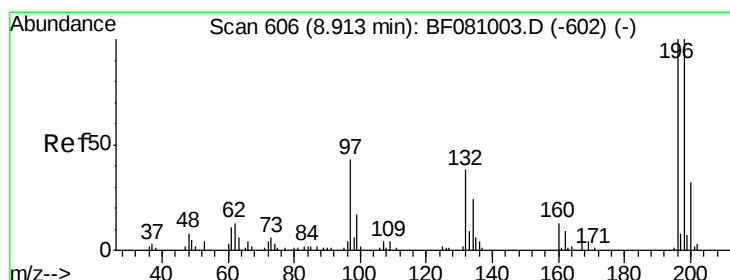
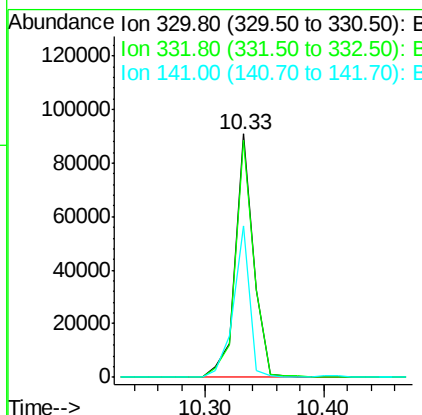
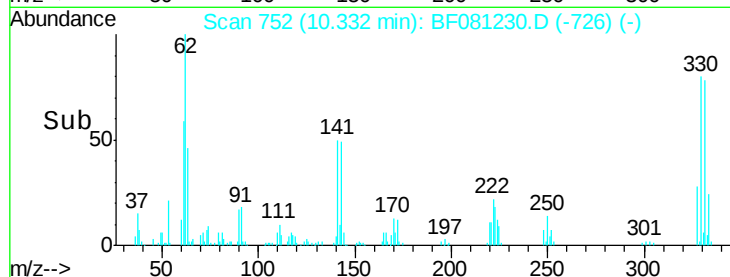
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6MSD



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	97815		
332	97.2	77.3	115.9	
141	54.6	44.9	67.3	

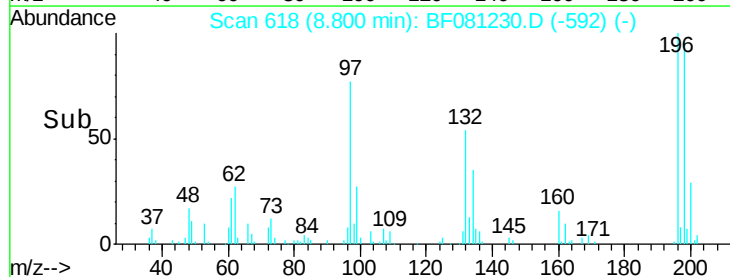
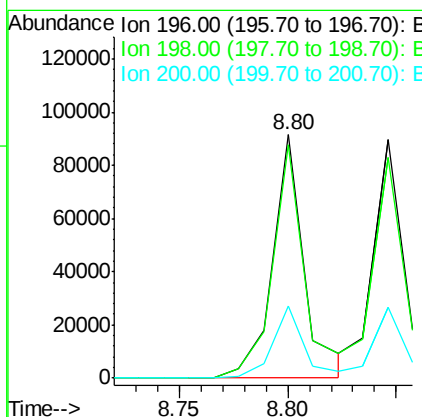
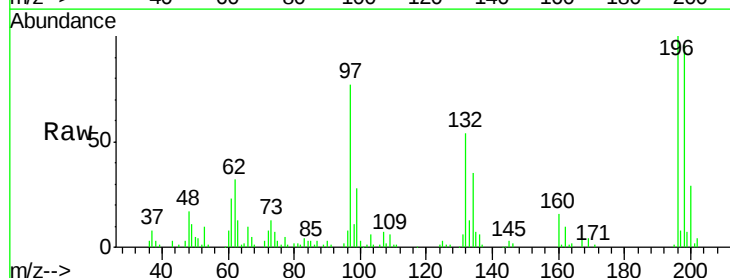
Manual Integrations
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 8/27/2015 2:32:48 PM



#42
 2,4,6-Trichlorophenol
 Concen: 44.82 ng
 RT: 8.80 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

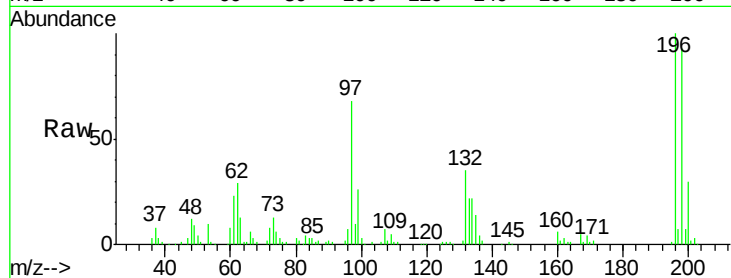
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	93522		
198	95.8	74.6	111.8	
200	29.5	22.7	34.1	





#43
 2,4,5-Trichlorophenol
 Concen: 41.61 ng
 RT: 8.85 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

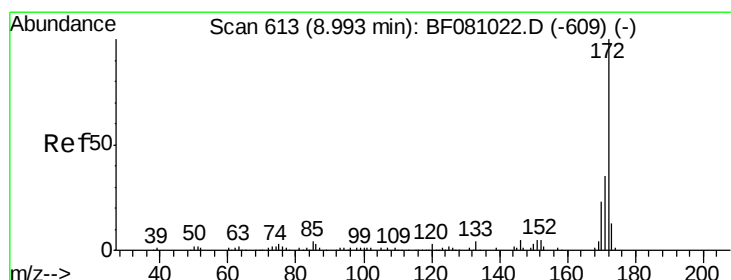
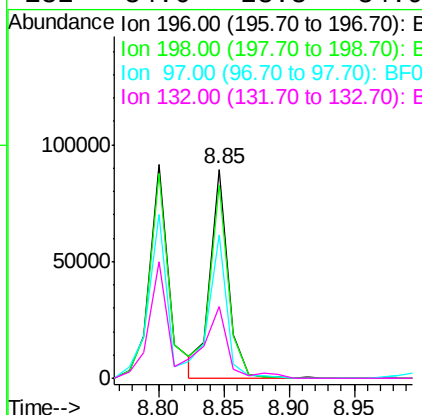
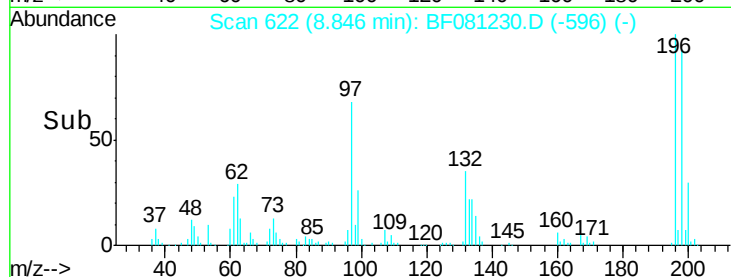
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6MSD



Tgt Ion:	196	Resp:	86780
Ion Ratio	Lower	Upper	
196	100		
198	92.6	78.3	117.5
97	68.5	42.7	64.1#
132	34.6	23.3	34.9

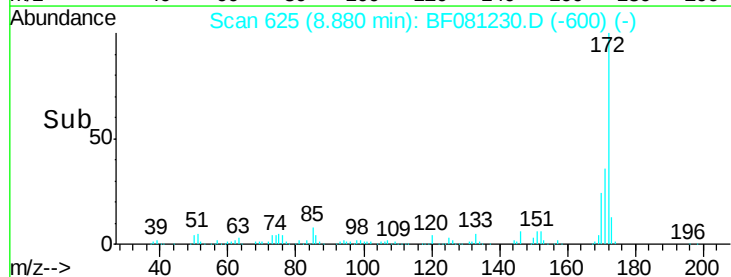
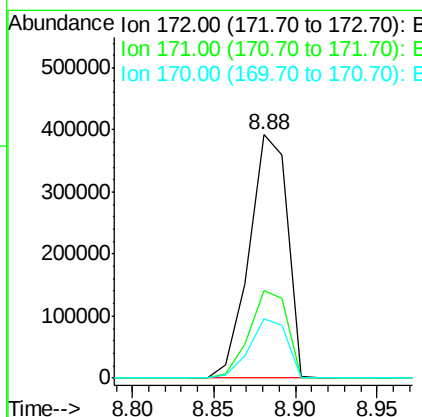
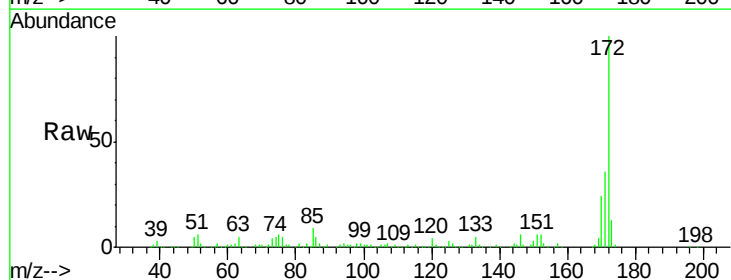
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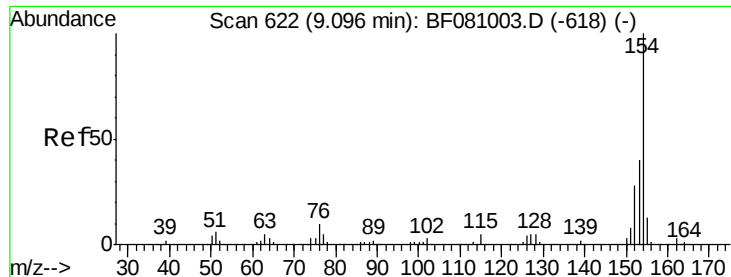
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#44
 2-Fluorobiphenyl
 Concen: 91.04 ng
 RT: 8.88 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Tgt Ion:	172	Resp:	636030
Ion Ratio	Lower	Upper	
172	100		
171	35.9	28.9	43.3
170	24.2	19.4	29.2





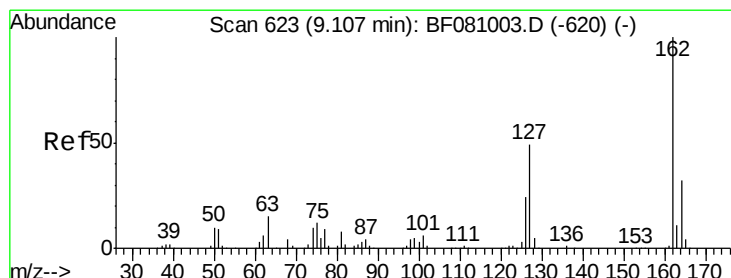
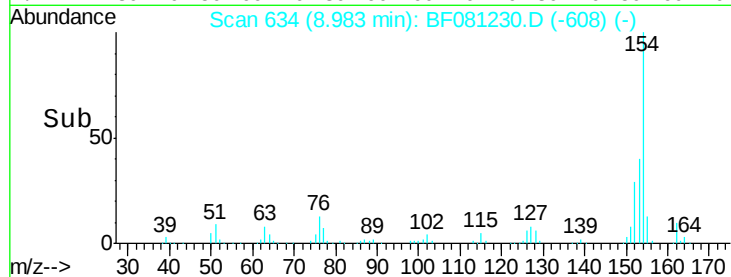
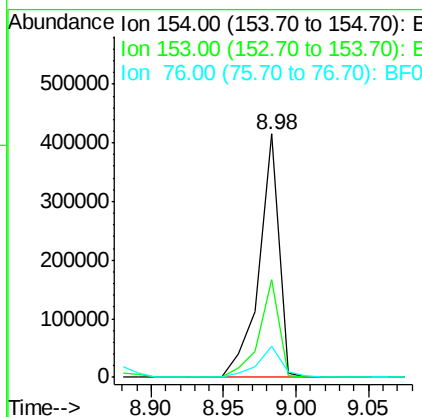
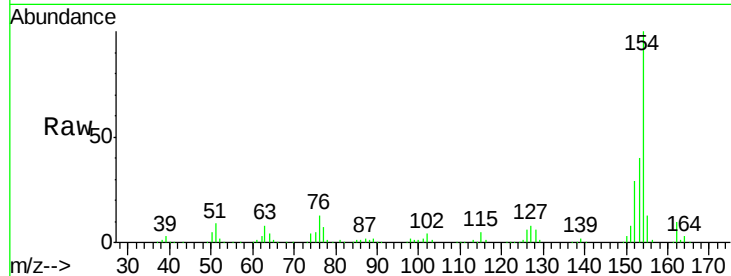
#45
 1,1'-Biphenyl
 Concen: 48.80 ng
 RT: 8.98 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Instrument :
 BNA_F
 ClientSampled :
 SOIL-6MSD

Tgt Ion:	154	Resp:	393449
Ion Ratio	Lower	Upper	
154	100		
153	40.0	19.5	59.5
76	12.6	0.0	29.3

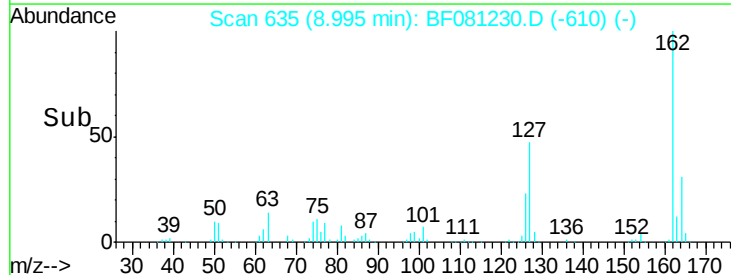
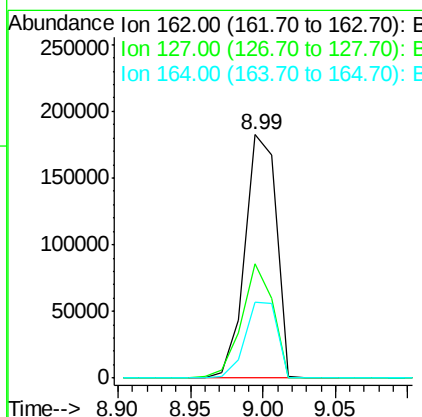
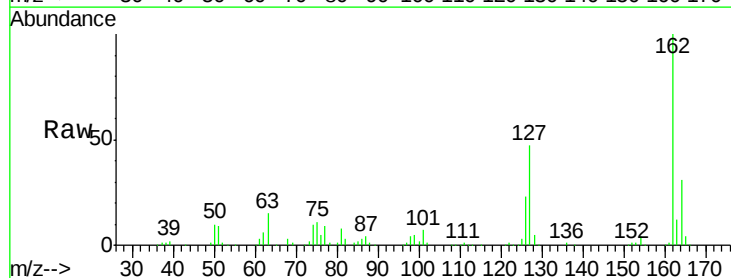
Manual Integrations
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#46
 2-Chloronaphthalene
 Concen: 42.25 ng
 RT: 8.99 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Tgt Ion:	162	Resp:	273695
Ion Ratio	Lower	Upper	
162	100		
127	46.9	31.3	46.9
164	31.2	26.3	39.5





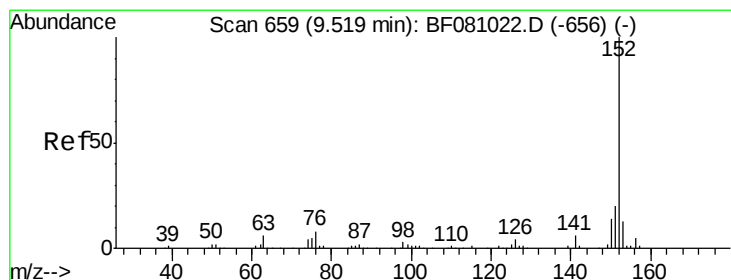
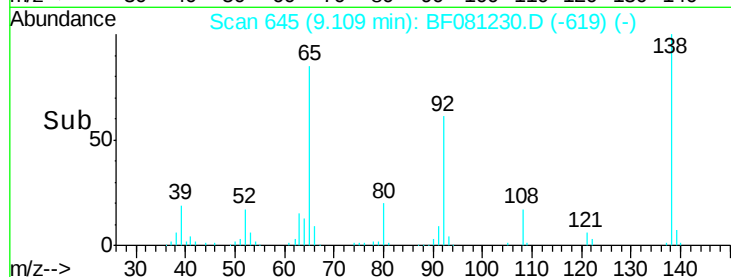
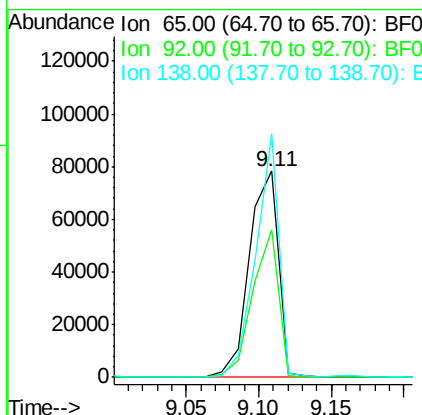
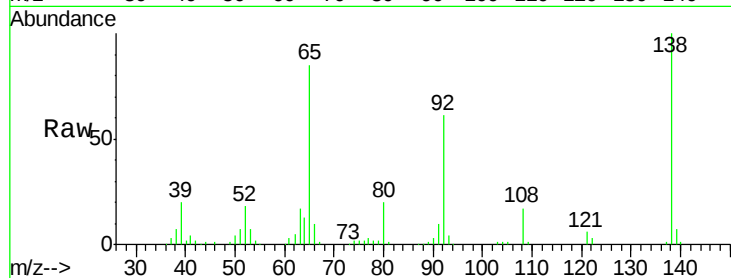
#47
2-Nitroaniline
Concen: 40.91 ng
RT: 9.11 min Scan# 645
Delta R.T. -0.00 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Instrument :
BNA_F
ClientSampleId :
SOIL-6MSD

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.7	45.6	68.4#
138	118.1	57.9	86.9#

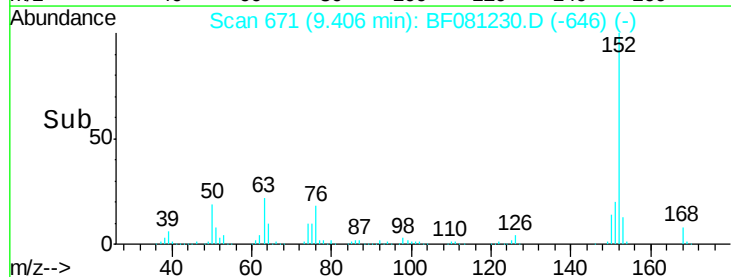
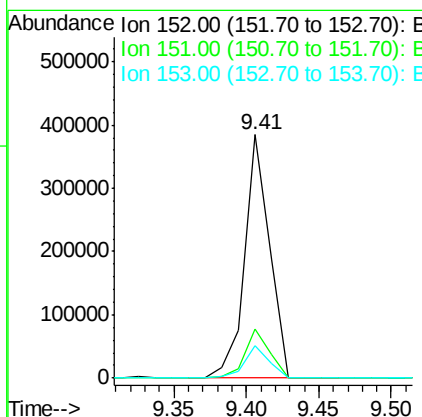
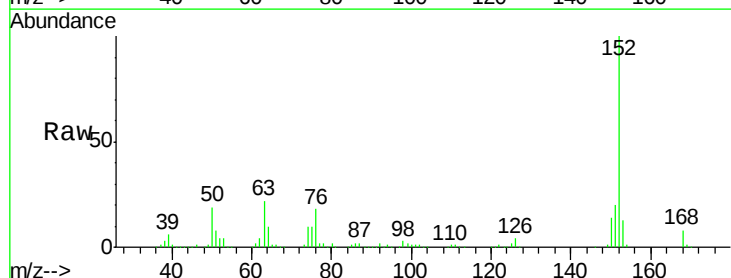
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#48
Acenaphthylene
Concen: 39.36 ng
RT: 9.41 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.1	24.1
153	13.2	9.8	14.6





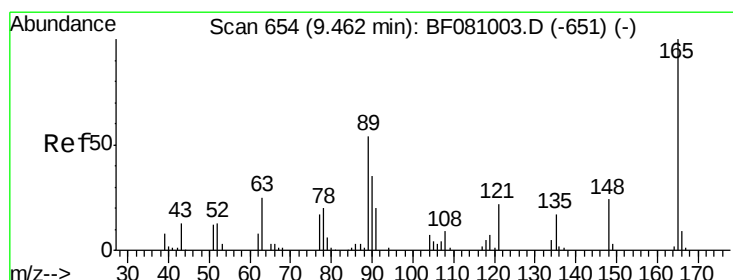
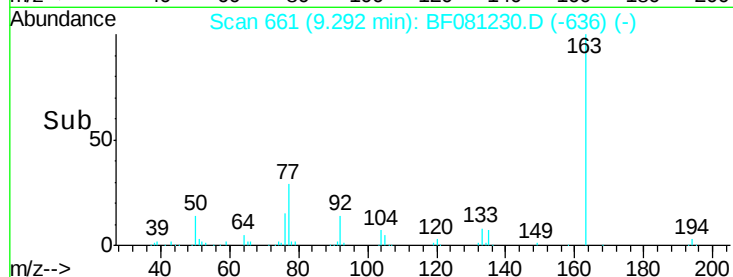
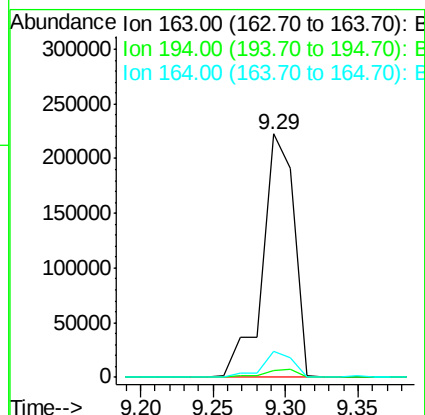
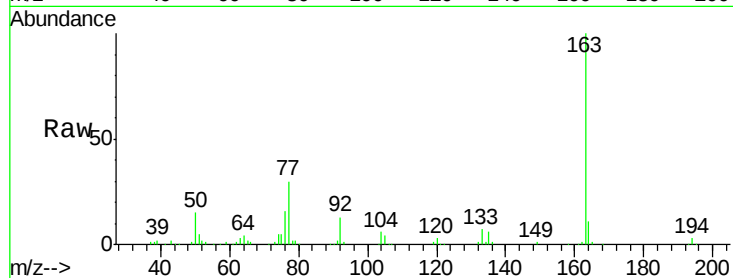
#49
Dimethylphthalate
Concen: 44.48 ng
RT: 9.29 min Scan# 661
Delta R.T. -0.01 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Instrument :
BNA_F
ClientSampleId :
SOIL-6MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	2.8	2.5	3.7
164	10.5	8.1	12.1

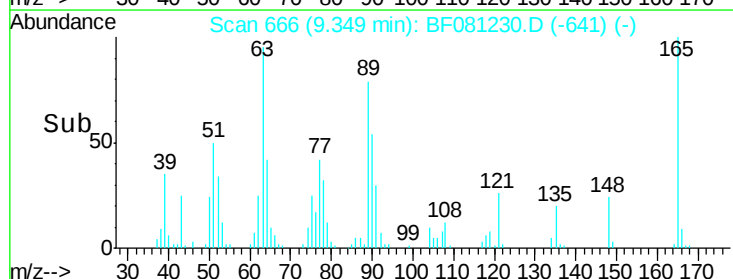
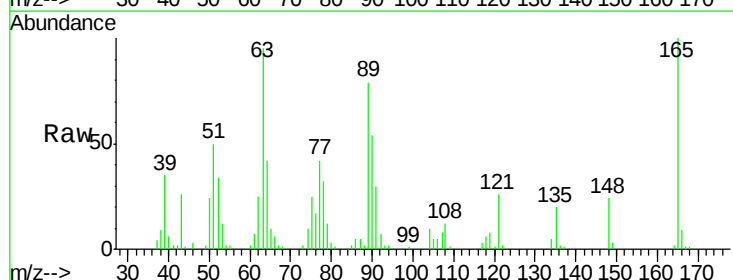
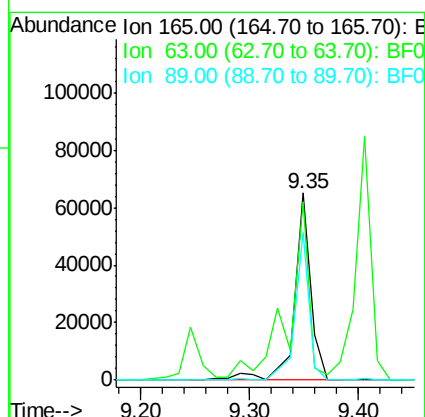
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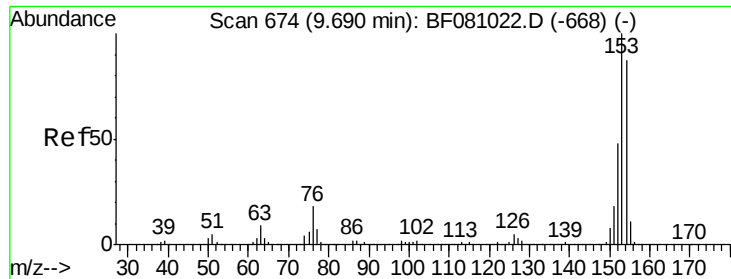
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#50
2,6-Dinitrotoluene
Concen: 42.03 ng
RT: 9.35 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	95.3	49.5	74.3#
89	79.0	47.6	71.4#





#51

Acenaphthene

Concen: 37.26 ng

RT: 9.58 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF081230.D

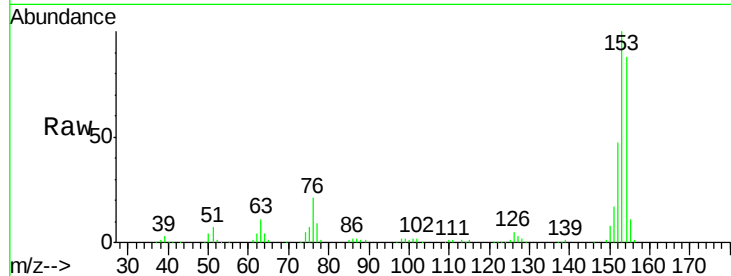
Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

ClientSampleId :

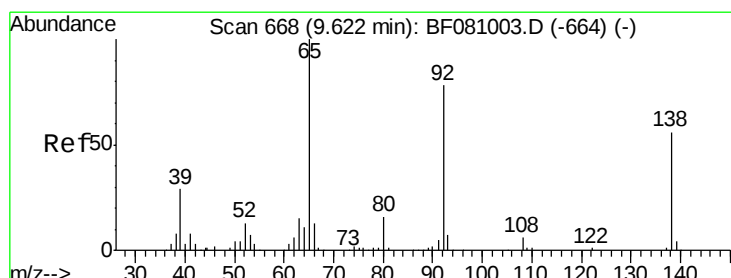
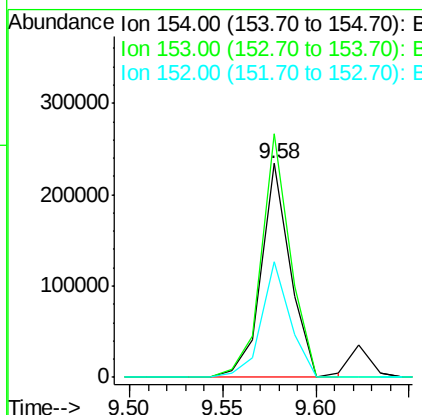
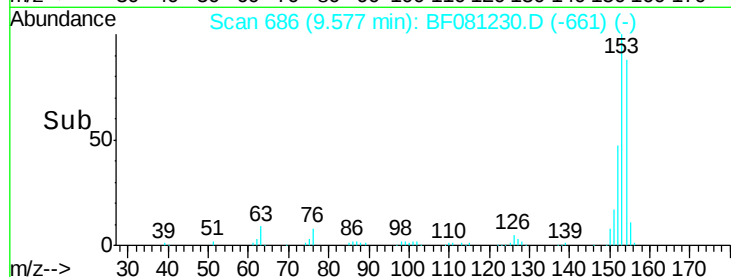
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Tgt Ion:	154	Resp:	258464
Ion Ratio	Lower	Upper	
154	100		
153	114.0	91.4	137.2
152	54.0	43.7	65.5

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#52

3-Nitroaniline

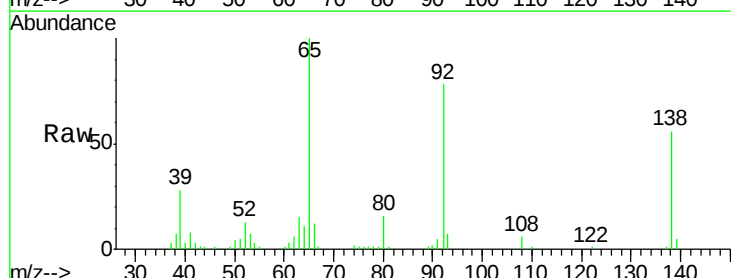
Concen: 15.16 ng

RT: 9.51 min Scan# 680

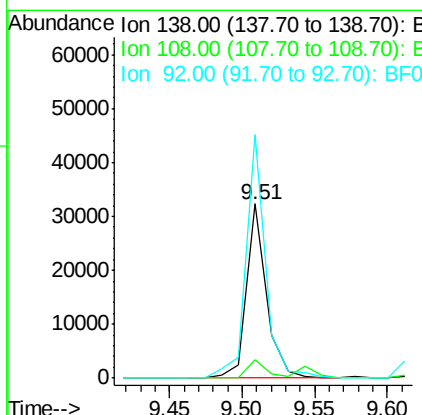
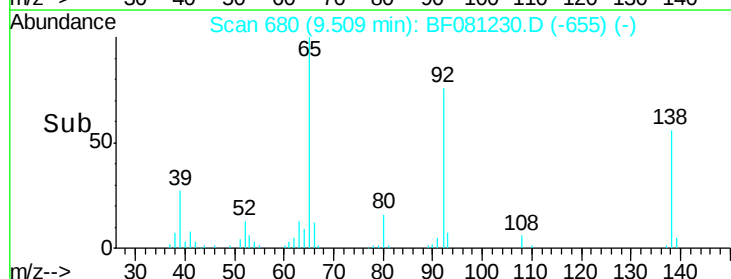
Delta R.T. -0.01 min

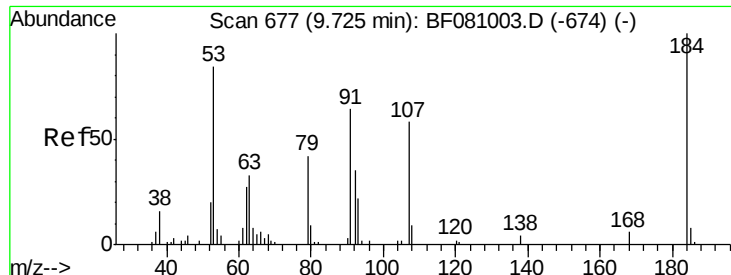
Lab File: BF081230.D

Acq: 27 Aug 2015 00:22



Tgt Ion:	138	Resp:	30703
Ion Ratio	Lower	Upper	
138	100		
108	10.9	9.4	14.2
92	140.0	113.2	169.8





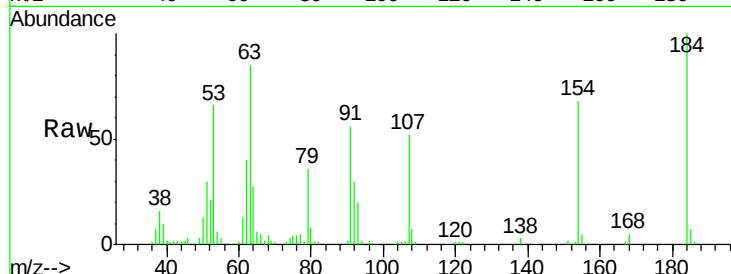
#53
2,4-Dinitrophenol
Concen: 56.40 ng
RT: 9.62 min Scan# 690
Delta R.T. -0.00 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Instrument :
BNA_F
ClientSampleId :
SOIL-6MSD

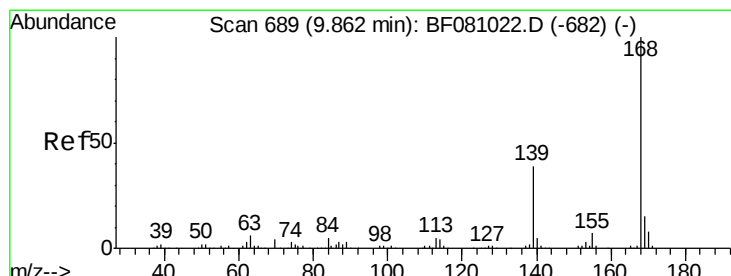
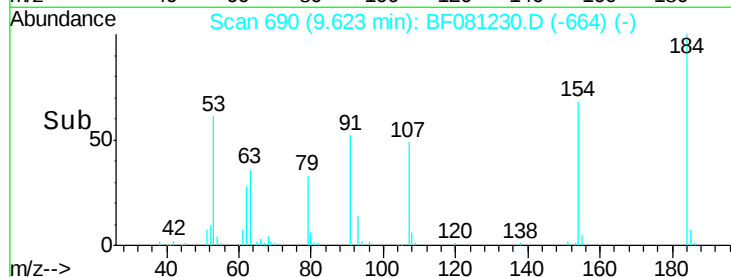
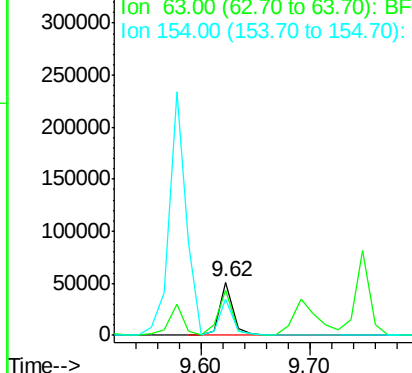
Tgt Ion:184 Resp: 47265
Ion Ratio Lower Upper
184 100
63 84.9 101.7 152.5#
154 68.4 67.4 101.0

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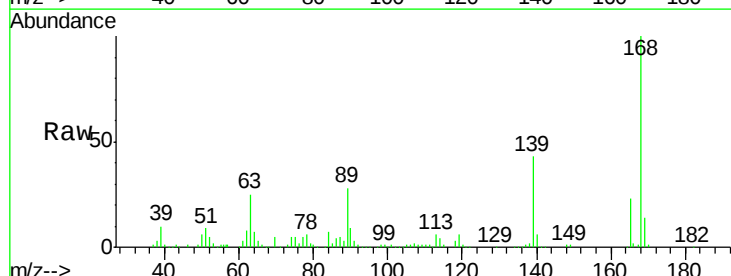


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

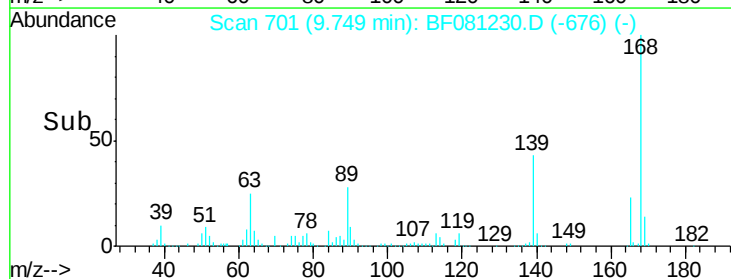
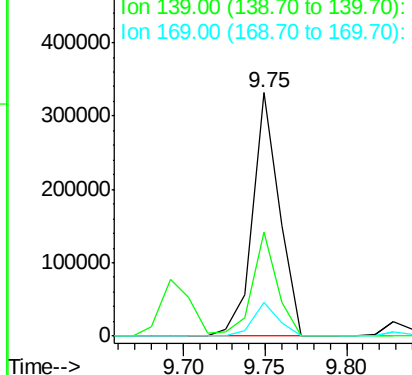


#54
Dibenzofuran
Concen: 40.61 ng
RT: 9.75 min Scan# 701
Delta R.T. -0.01 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Tgt Ion:168 Resp: 377554
Ion Ratio Lower Upper
168 100
139 42.9 29.3 43.9
169 13.8 10.3 15.5



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





#55

4-Nitrophenol

Concen: 70.94 ng

RT: 9.69 min Scan# 696

Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

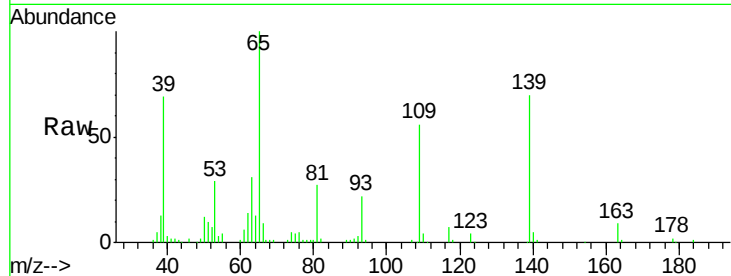
ClientSampleId :

SOIL-6MSD

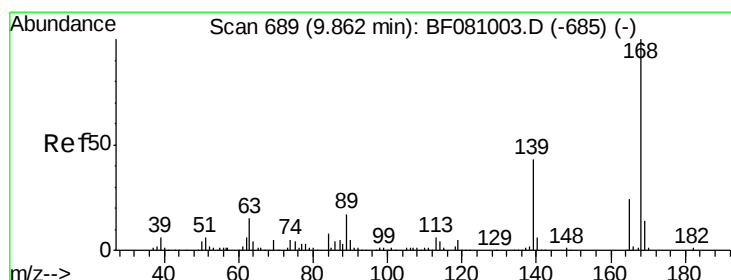
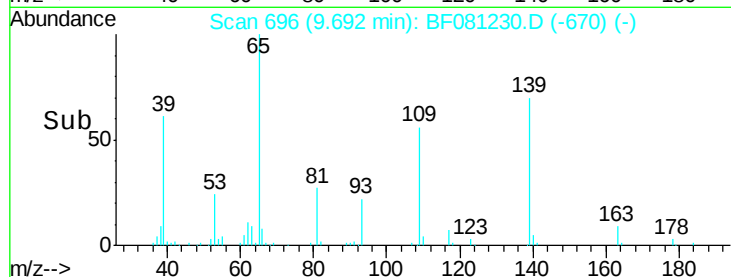
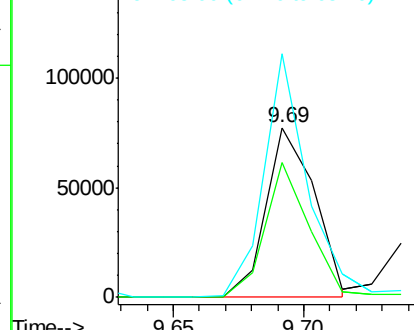
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Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	79.9	80.0	120.0#	
65	143.7	138.3	178.3	



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 39.43 ng

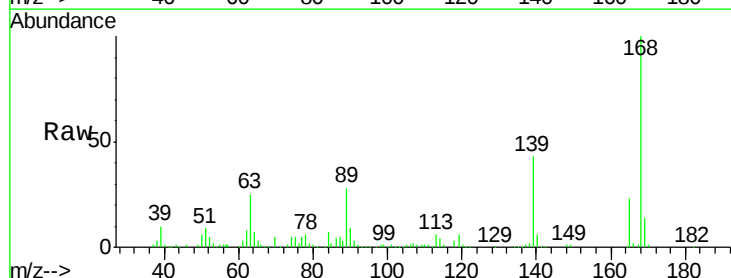
RT: 9.75 min Scan# 701

Delta R.T. -0.00 min

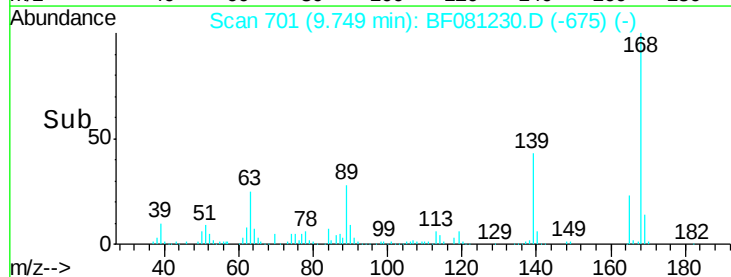
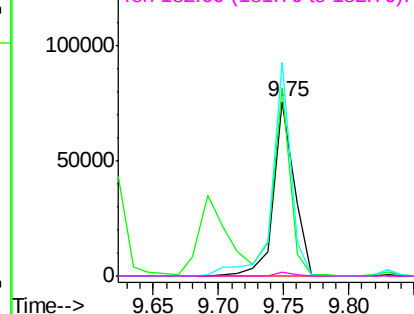
Lab File: BF081230.D

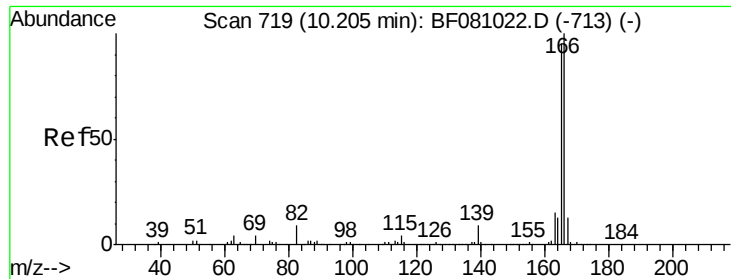
Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	108.0	52.2	78.4#	
89	122.2	60.1	90.1#	
182	1.9	1.8	2.6	



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





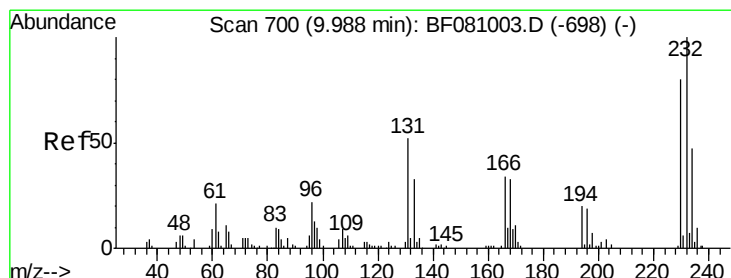
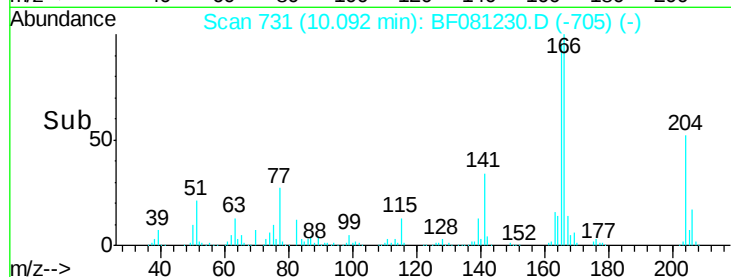
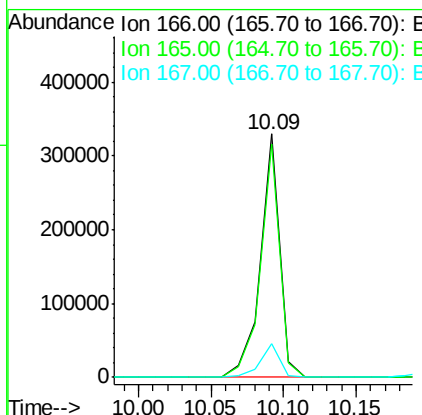
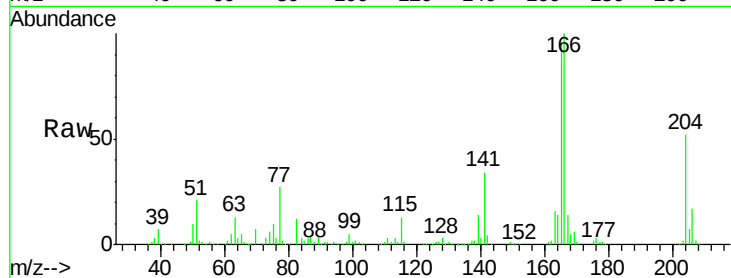
#57
 Fluorene
 Concen: 42.47 ng
 RT: 10.09 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6MSD

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	303684		
165	95.9	75.8	113.8	
167	14.0	11.3	16.9	

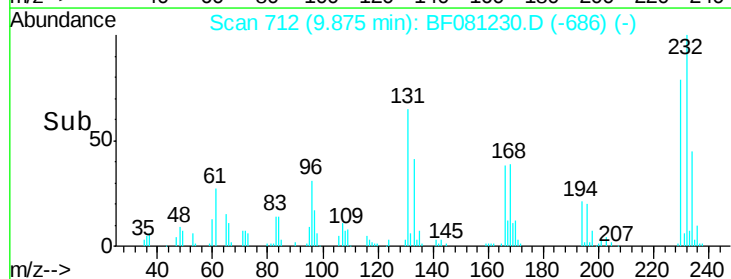
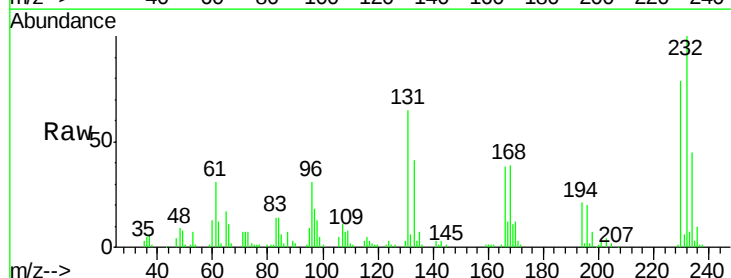
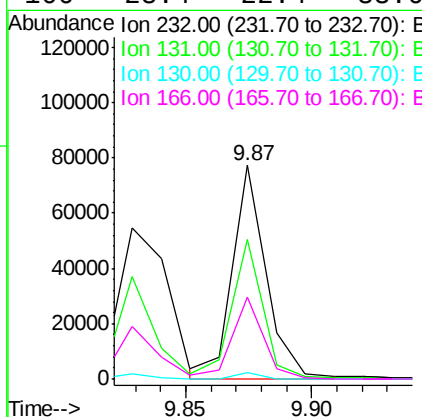
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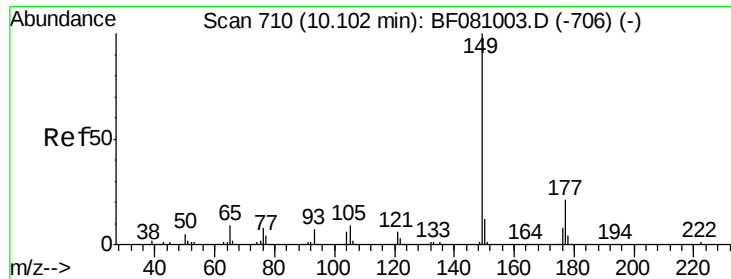
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 44.47 ng m
 RT: 9.87 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	71771		
131	51.3	42.2	63.4	
130	2.6	2.1	3.1	
166	28.4	22.4	33.6	





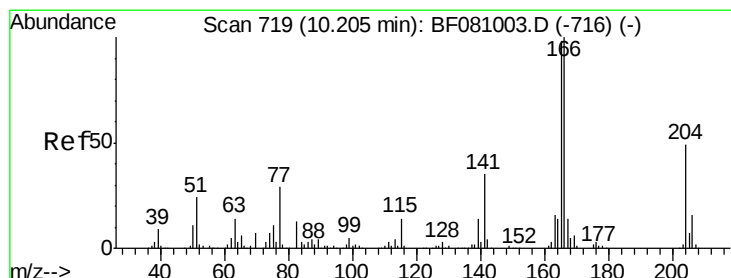
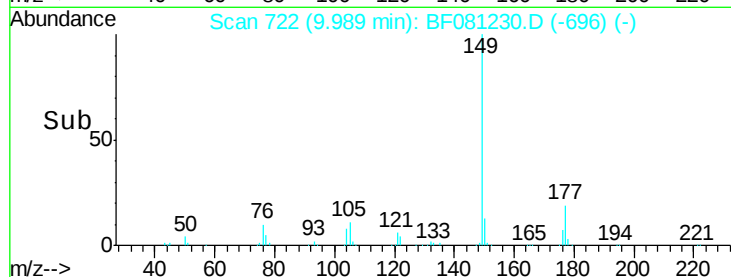
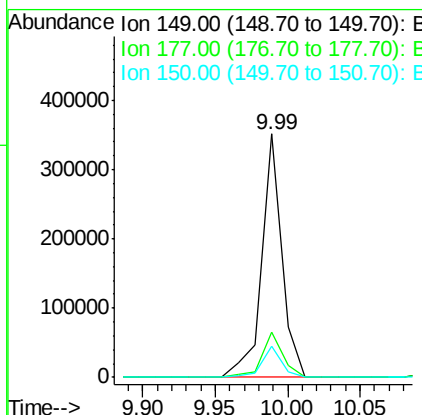
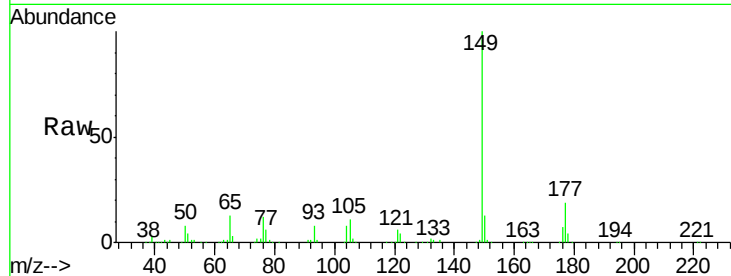
#59
Diethylphthalate
Concen: 42.51 ng
RT: 9.99 min Scan# 722
Delta R.T. -0.00 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Instrument :
BNA_F
ClientSampleId :
SOIL-6MSD

Tgt Ion:	149	Resp:	339247
Ion Ratio	Lower	Upper	
149	100		
177	18.7	14.1	21.1
150	12.6	10.3	15.5

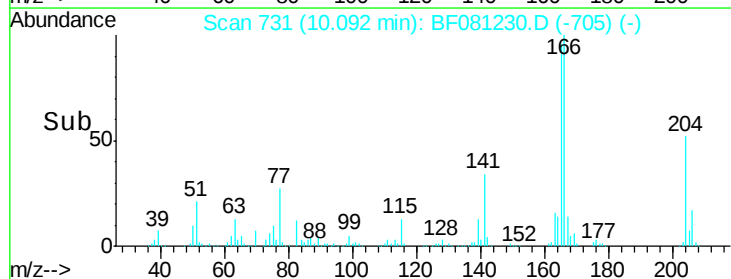
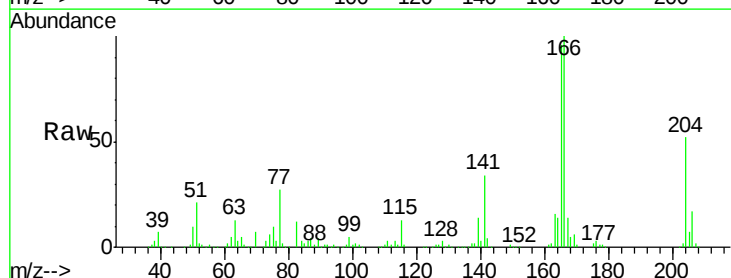
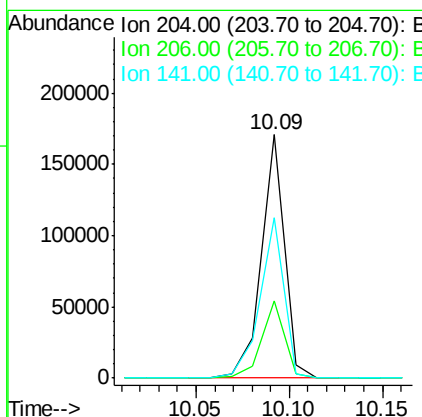
Manual Integrations
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#60
4-Chlorophenyl-phenylether
Concen: 47.94 ng
RT: 10.09 min Scan# 731
Delta R.T. -0.00 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Tgt Ion:	204	Resp:	145064
Ion Ratio	Lower	Upper	
204	100		
206	32.0	26.2	39.2
141	66.1	59.6	89.4





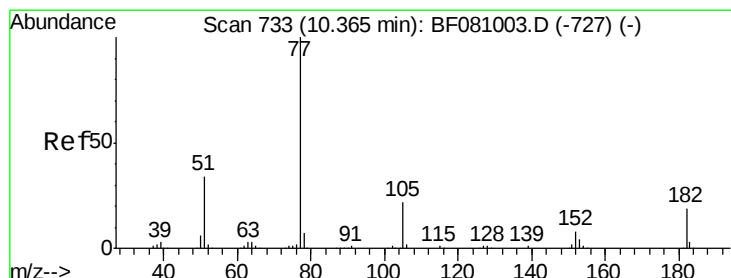
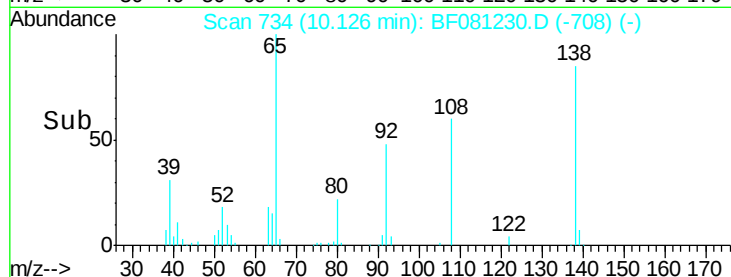
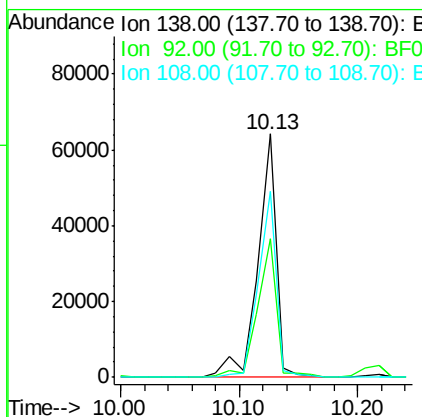
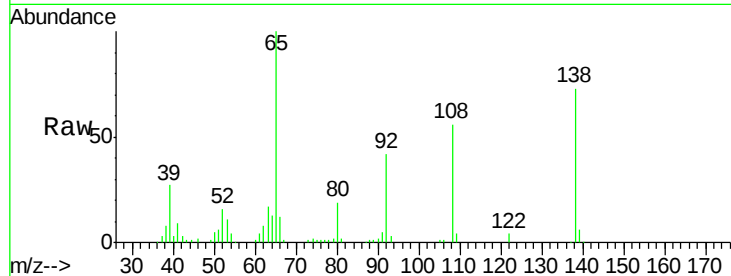
#61
4-Nitroaniline
Concen: 33.72 ng
RT: 10.13 min Scan# 734
Delta R.T. -0.00 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Instrument :
BNA_F
ClientSampleId :
SOIL-6MSD

Tgt Ion:138 Resp: 69801
Ion Ratio Lower Upper
138 100
92 57.1 34.7 74.7
108 76.5 68.9 108.9

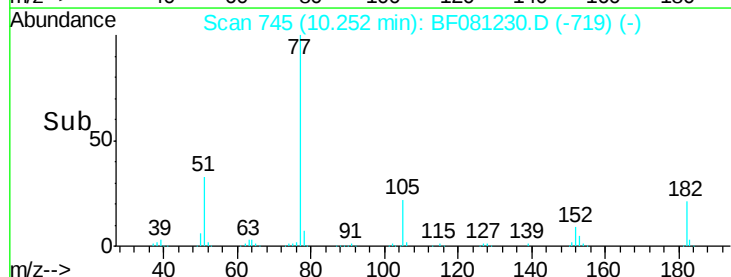
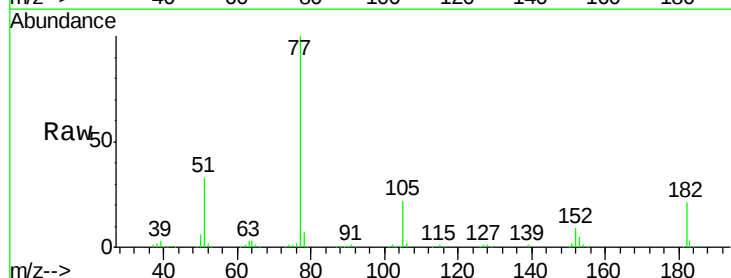
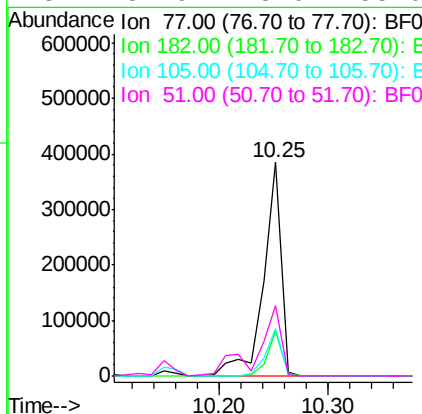
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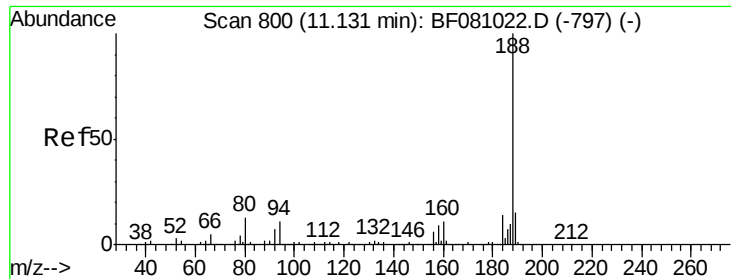
MMDadoda
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#62
Azobenzene
Concen: 48.02 ng
RT: 10.25 min Scan# 745
Delta R.T. -0.00 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Tgt Ion: 77 Resp: 441544
Ion Ratio Lower Upper
77 100
182 21.3 0.0 39.0
105 22.4 0.2 40.2
51 32.9 18.0 58.0





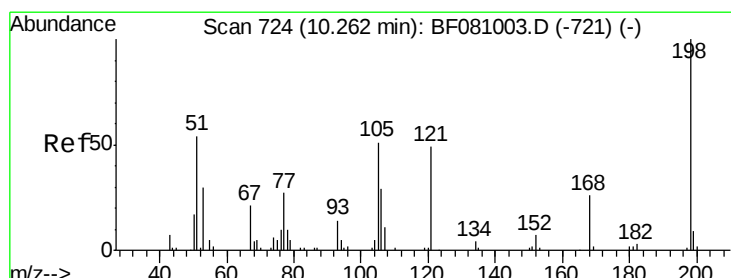
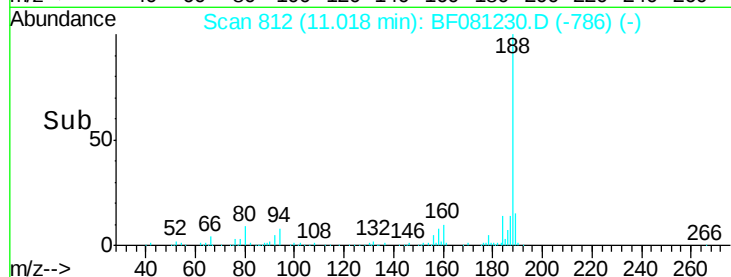
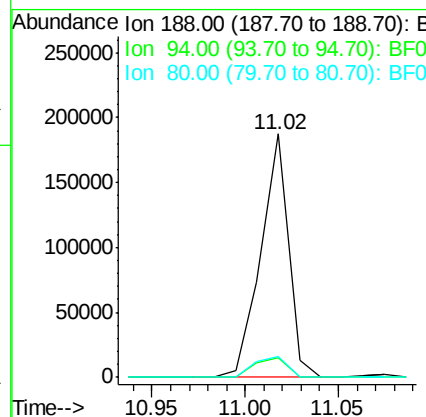
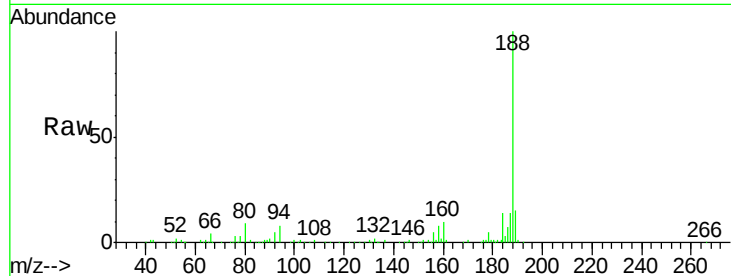
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Instrument :
BNA_F
ClientSampleId :
SOIL-6MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.2	8.2	12.2#
80	8.8	9.5	14.3#

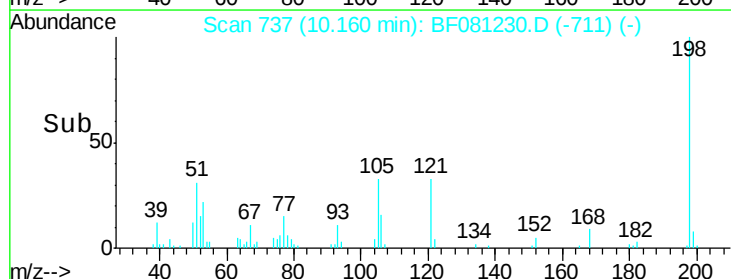
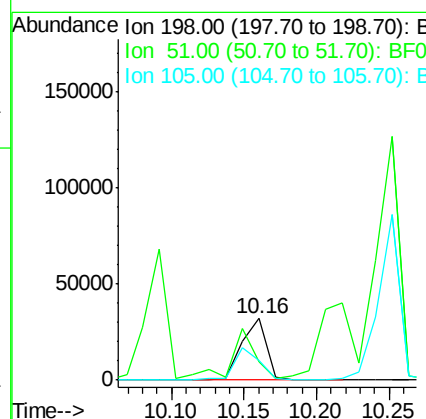
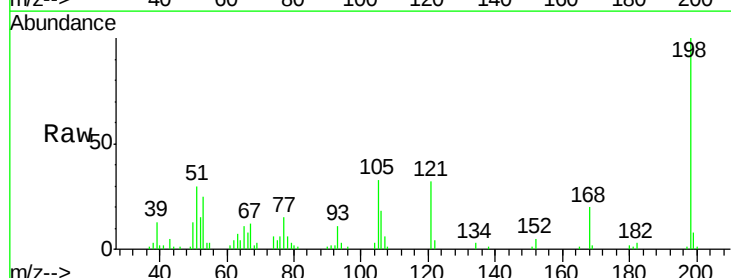
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#64
4,6-Dinitro-2-methylphenol
Concen: 33.27 ng
RT: 10.16 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	30.4	79.7	119.7#
105	32.8	47.0	87.0#





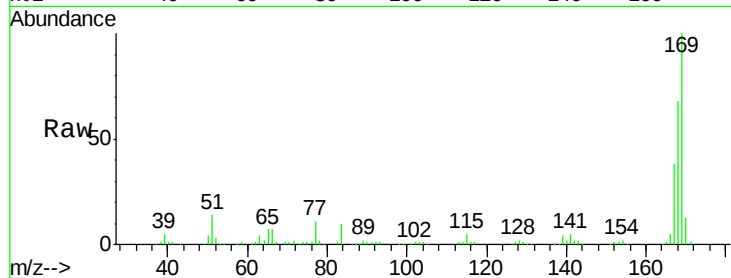
#65
 n-Nitrosodiphenylamine
 Concen: 44.76 ng
 RT: 10.22 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6MSD

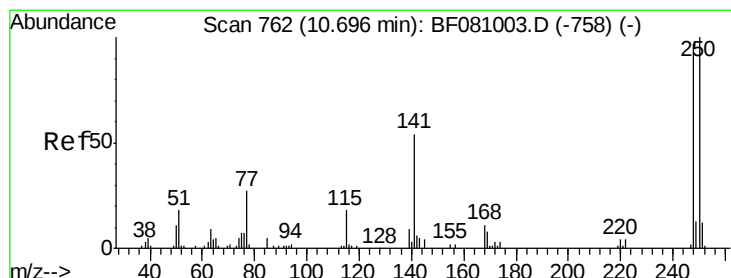
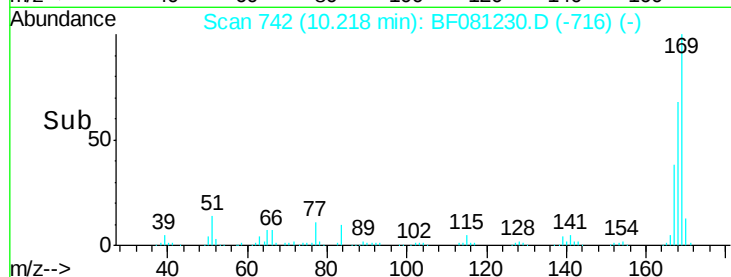
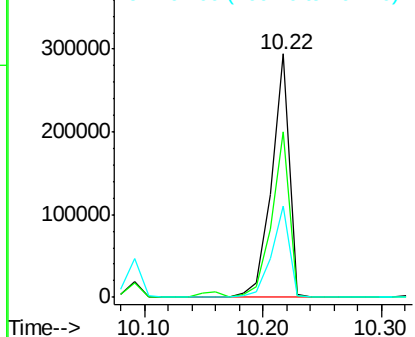
Tgt Ion	Ratio	Resp	Lower	Upper
169	100	305405		
168	68.1	55.3	82.9	
167	37.6	30.8	46.2	

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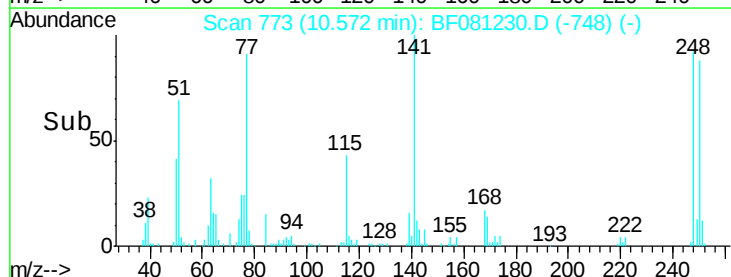
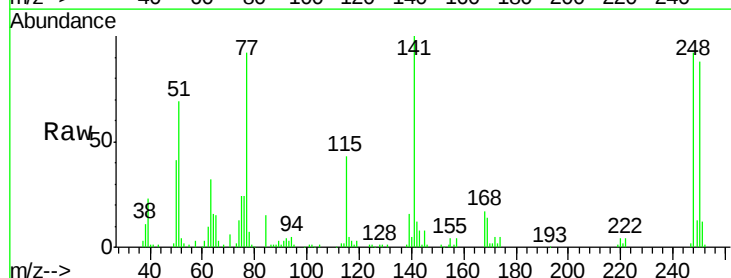
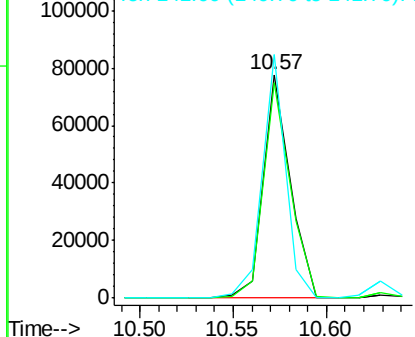
Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

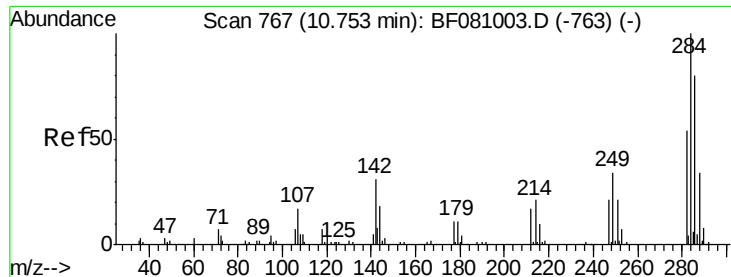


#66
 4-Bromophenyl-phenylether
 Concen: 41.15 ng
 RT: 10.57 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	77270		
250	96.4	77.8	116.6	
141	109.0	39.8	59.6	

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





#67

Hexachlorobenzene

Concen: 42.40 ng

RT: 10.63 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF081230.D

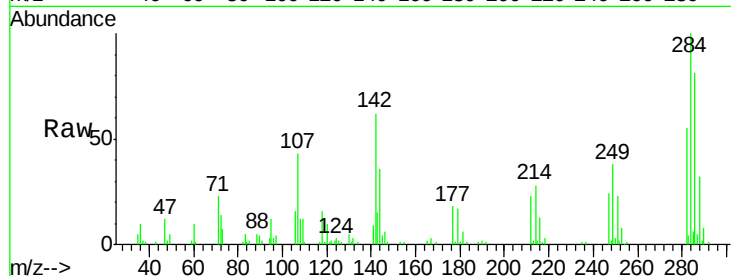
Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

ClientSampled :

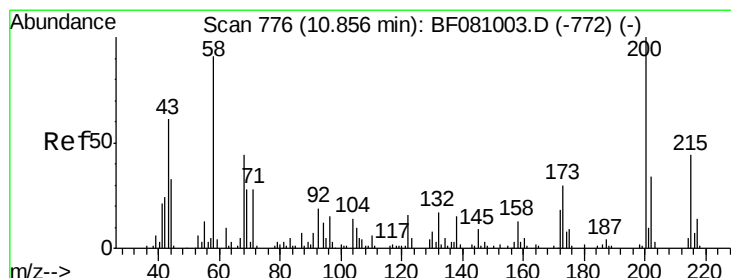
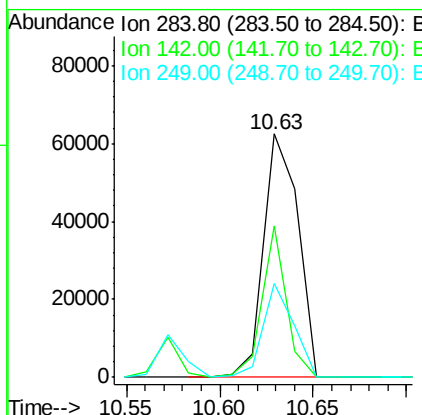
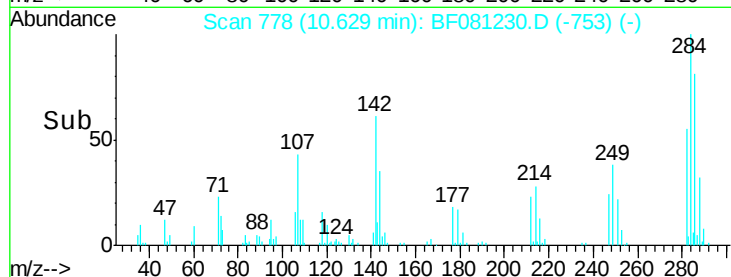
SOIL-6MSD



Tgt Ion:	284	Resp:	80621
Ion Ratio	Lower	Upper	
284	100		
142	62.2	25.4	38.0#
249	38.4	28.5	42.7

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#68

Atrazine

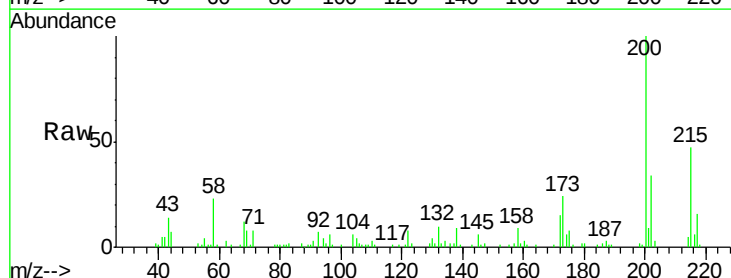
Concen: 47.36 ng

RT: 10.75 min Scan# 789

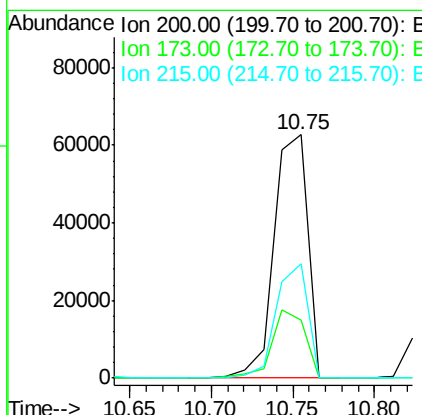
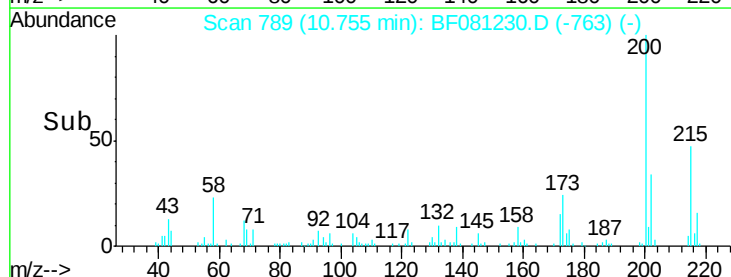
Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22



Tgt Ion:	200	Resp:	90024
Ion Ratio	Lower	Upper	
200	100		
173	23.7	8.1	48.1
215	47.1	23.3	63.3





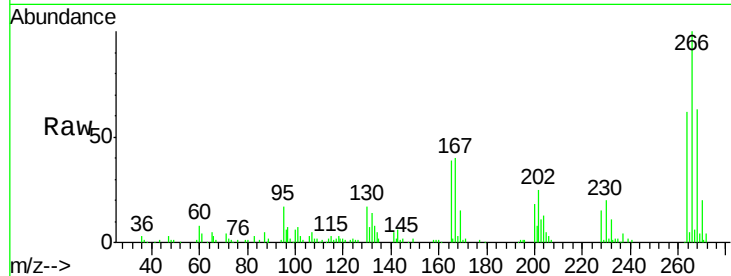
#69
 Pentachlorophenol
 Concen: 83.24 ng
 RT: 10.83 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6MSD

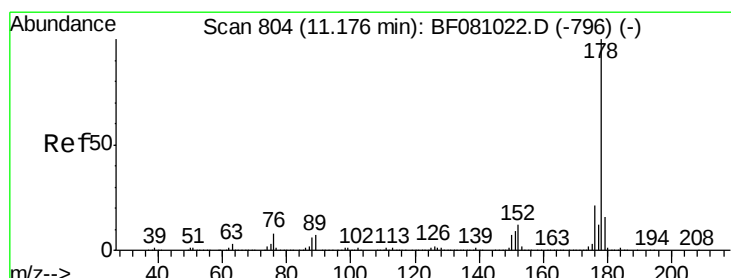
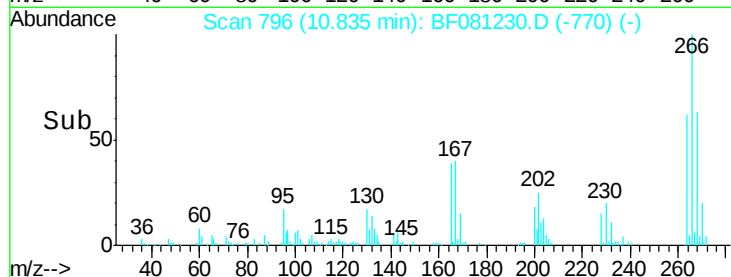
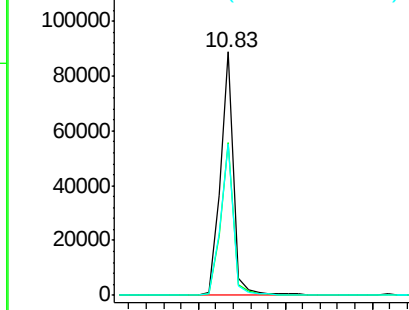
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	94968		
268	62.8	51.2	76.8	
264	62.0	50.6	75.8	

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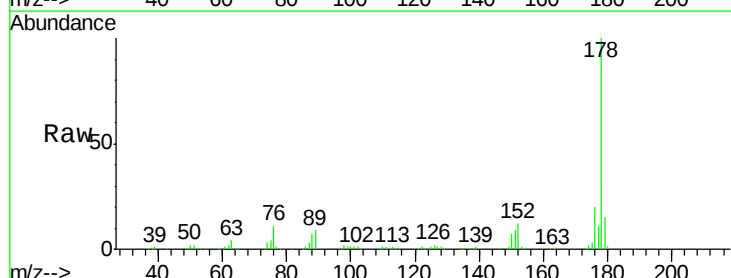


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

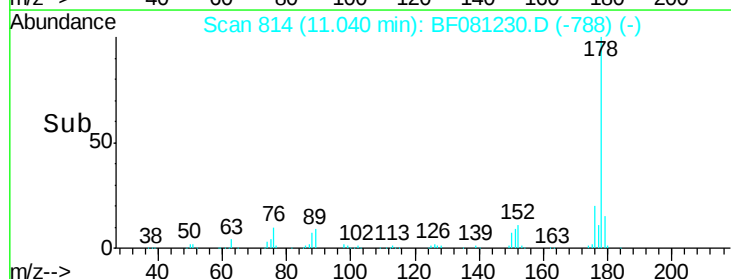
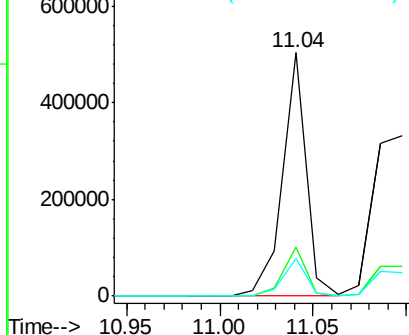


#70
 Phenanthrene
 Concen: 39.36 ng
 RT: 11.04 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	445884		
176	20.0	15.7	23.5	
179	15.3	12.2	18.2	



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





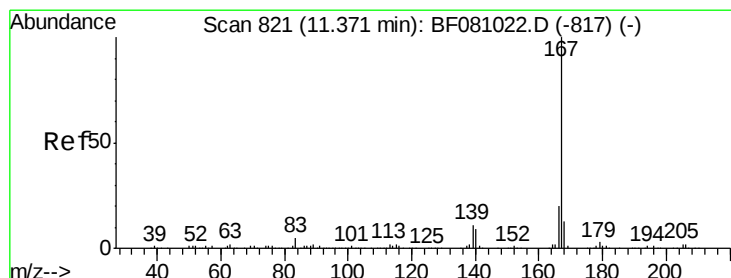
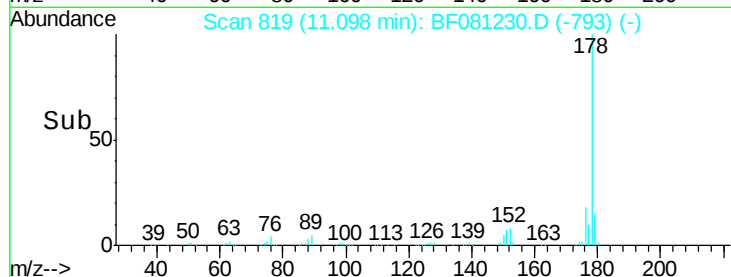
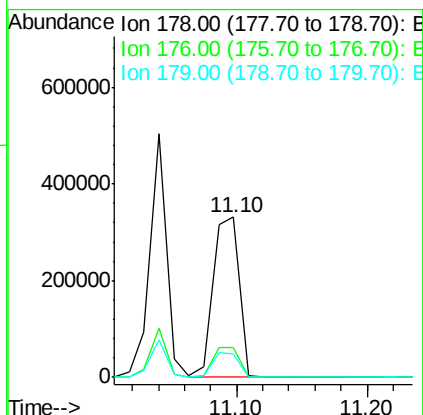
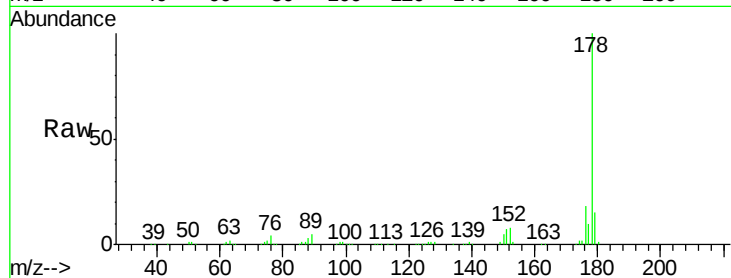
#71
 Anthracene
 Concen: 42.04 ng
 RT: 11.10 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6MSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.7	23.5
179	14.8	12.7	19.1

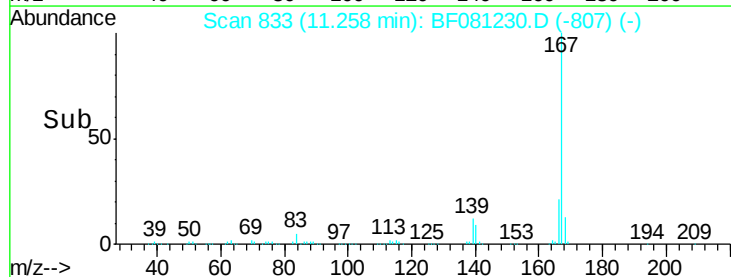
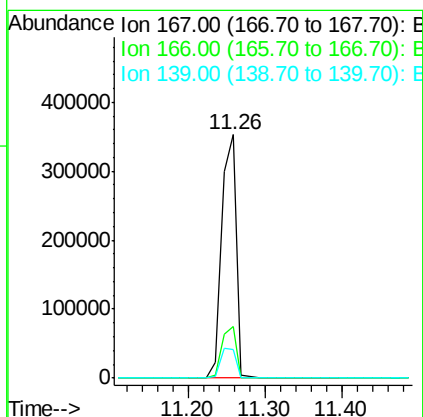
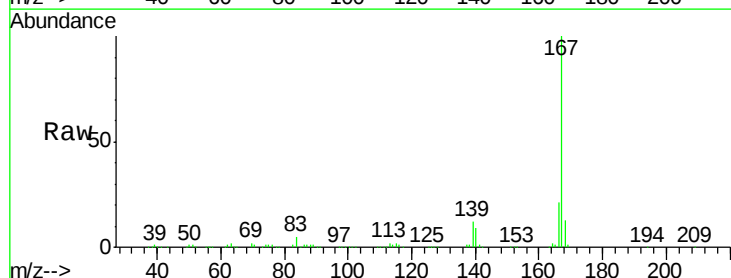
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#72
 Carbazole
 Concen: 44.42 ng
 RT: 11.26 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.4	26.0
139	11.7	10.6	16.0





#73

Di-n-butylphthalate

Concen: 43.02 ng

RT: 11.60 min Scan# 863

Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

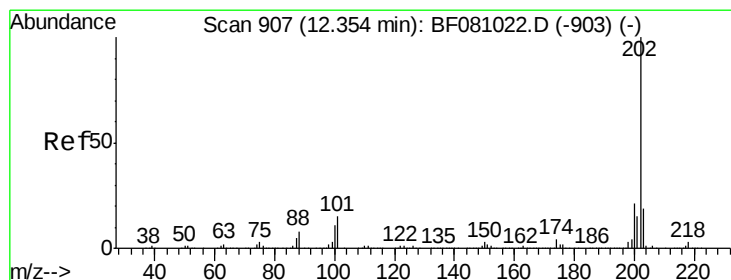
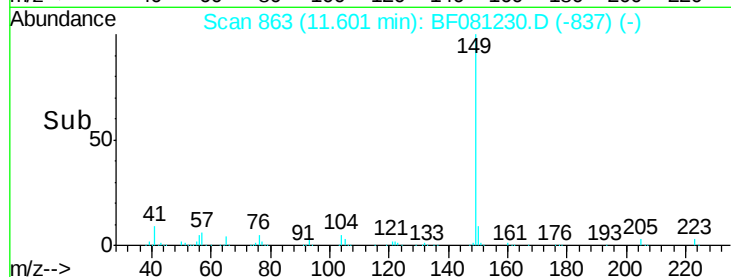
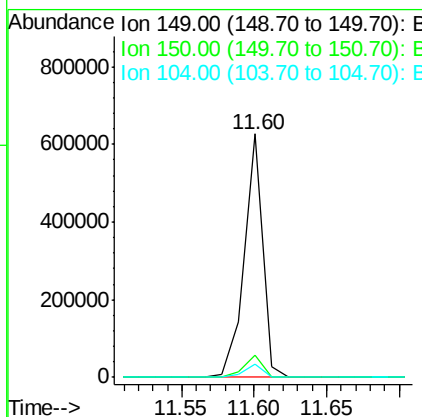
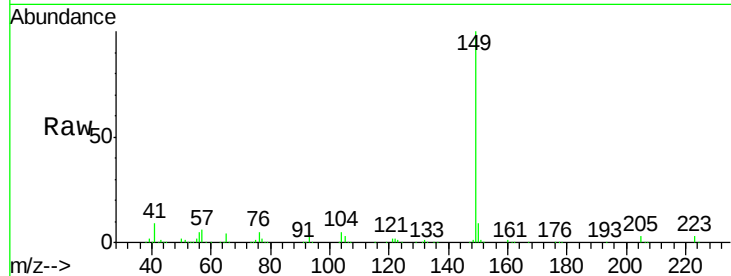
ClientSampleId :

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Tgt Ion:	149	Resp:	552387
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.1	10.7
104	5.2	3.9	5.9



#74

Fluoranthene

Concen: 44.98 ng

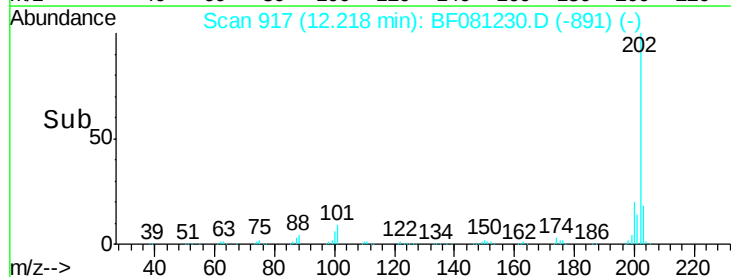
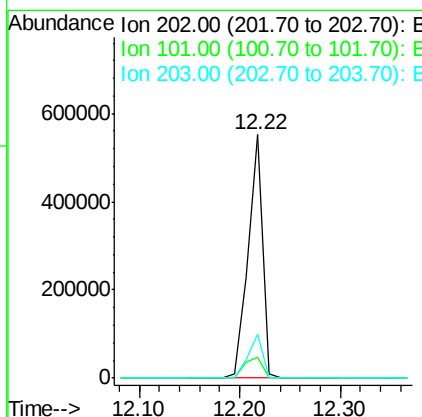
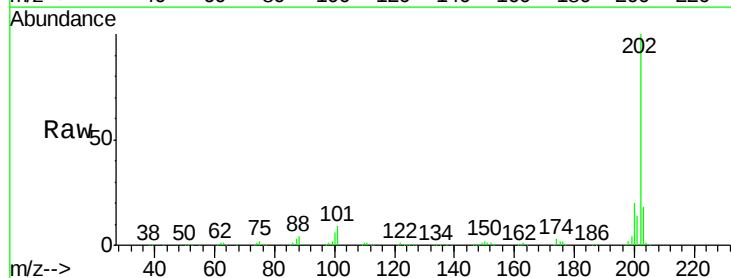
RT: 12.22 min Scan# 917

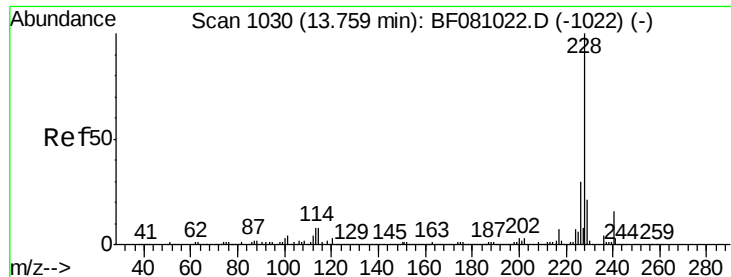
Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Tgt Ion:	202	Resp:	549779
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	24.8
203	17.8	0.0	36.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.64 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

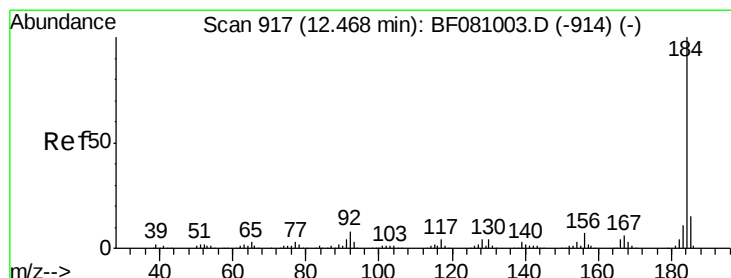
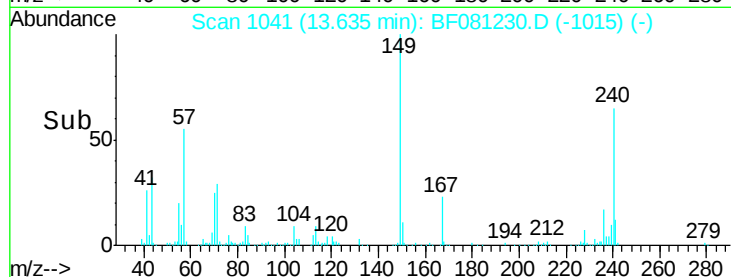
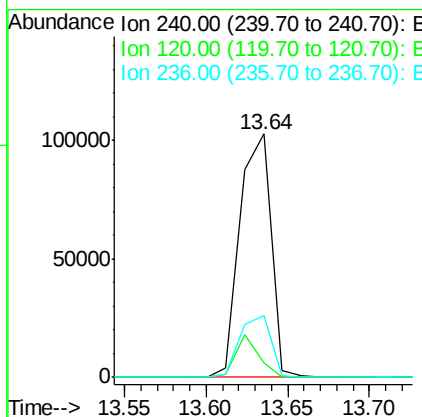
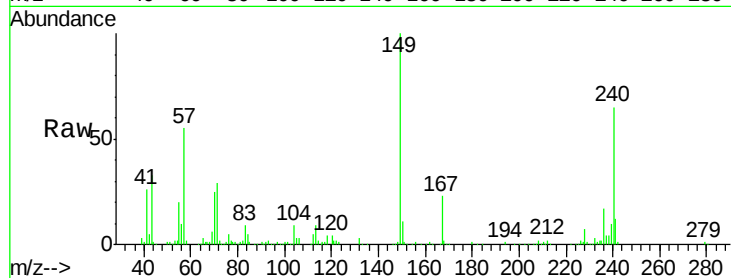
ClientSampleId :

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Tgt Ion:	240	Resp:	135903
Ion Ratio	Lower	Upper	
240	100		
120	5.7	5.6	8.4
236	25.4	20.6	30.8



#76

Benzidine

Concen: 20.92 ng

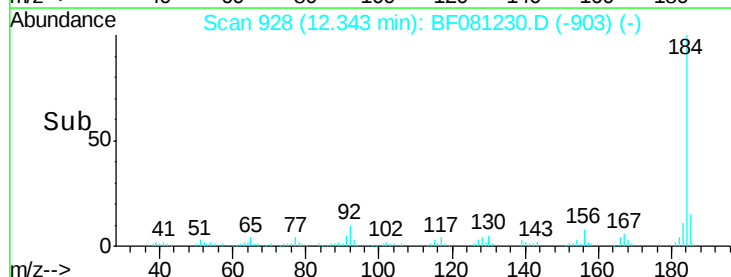
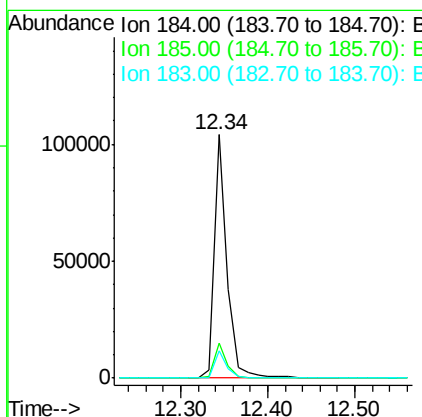
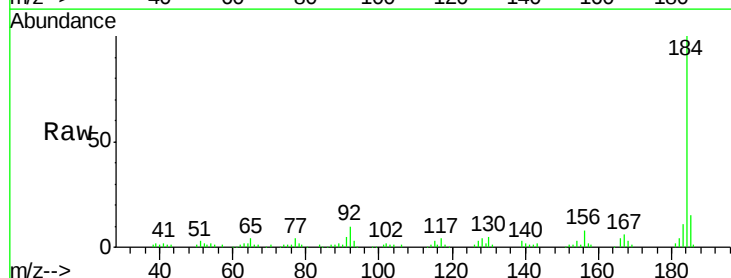
RT: 12.34 min Scan# 928

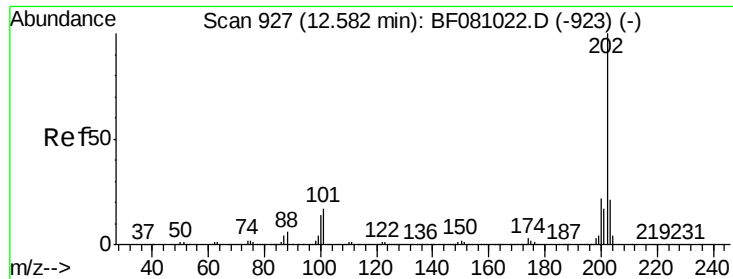
Delta R.T. -0.01 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Tgt Ion:	184	Resp:	107404
Ion Ratio	Lower	Upper	
184	100		
185	14.6	12.0	18.0
183	11.0	8.9	13.3





#77

Pyrene

Concen: 44.11 ng

RT: 12.43 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF081230.D

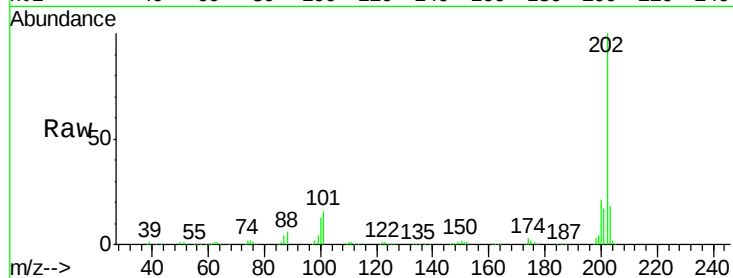
Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

ClientSampleId :

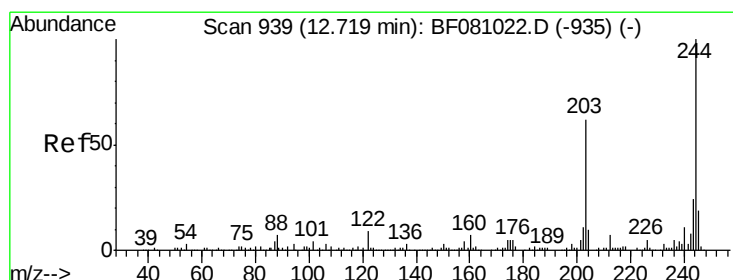
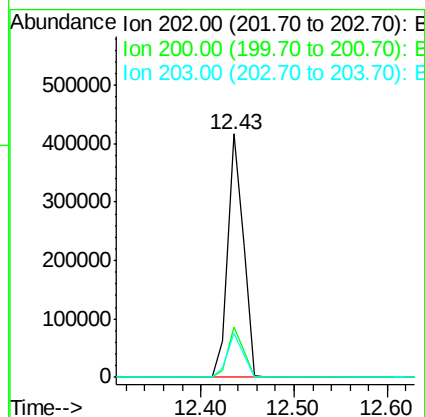
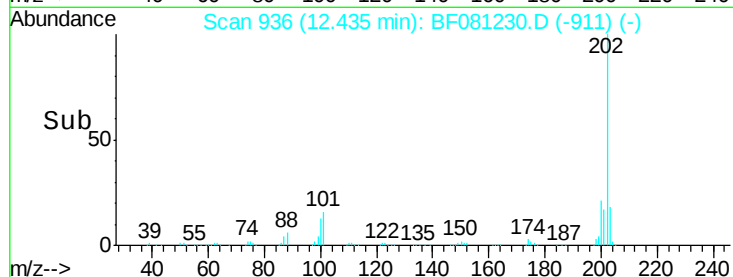
SOIL-6MSD



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	487332		
200	20.7	16.6	24.8	
203	18.0	14.1	21.1	

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#78

Terphenyl-d14

Concen: 86.53 ng

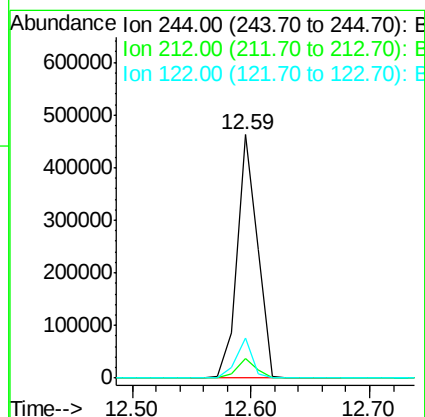
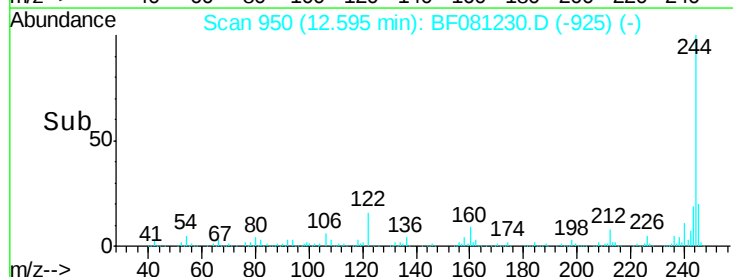
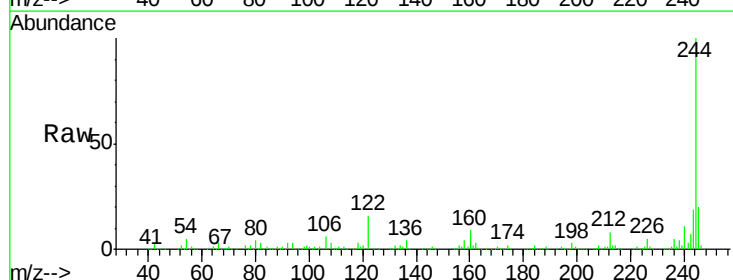
RT: 12.59 min Scan# 950

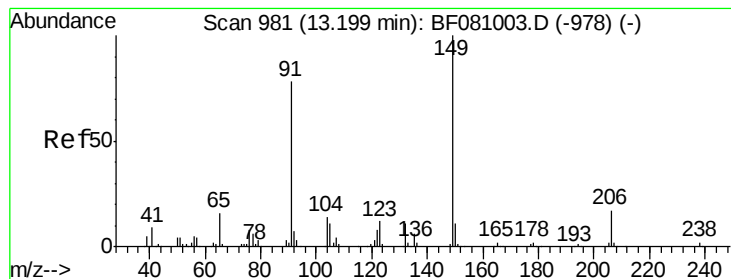
Delta R.T. -0.01 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	548521		
212	8.2	5.8	8.8	
122	16.3	8.2	12.4#	





#79

Butylbenzylphthalate

Concen: 46.74 ng

RT: 13.07 min Scan# 992

Delta R.T. -0.01 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

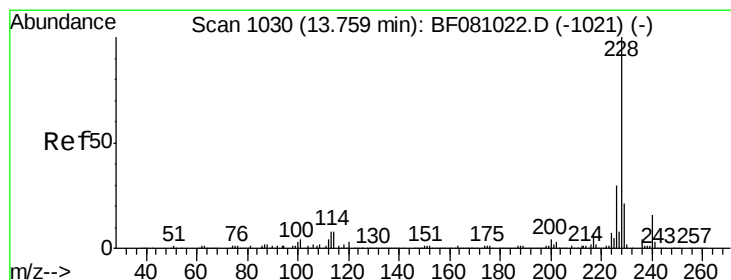
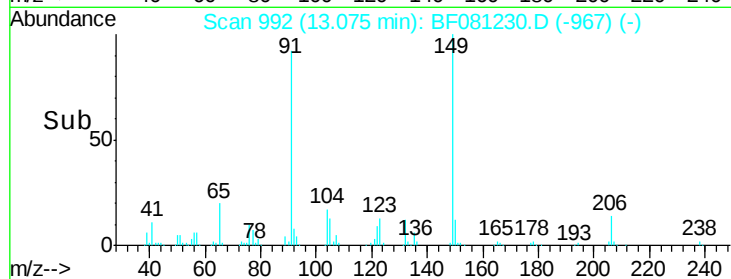
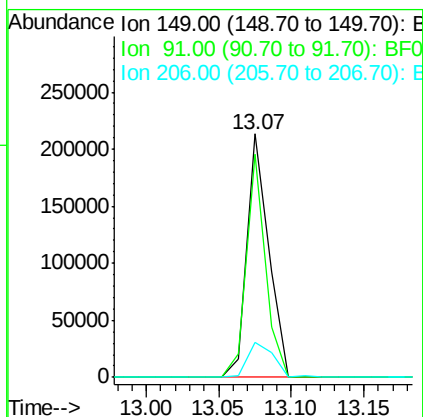
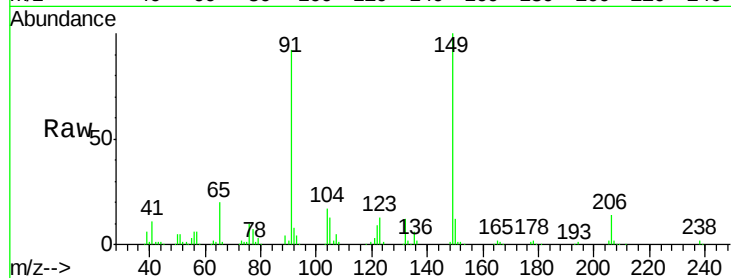
ClientSampled :

SOIL-6MSD

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Tgt Ion:	149	Resp:	221953
Ion Ratio	Lower	Upper	
149	100		
91	91.7	46.9	70.3#
206	14.4	17.0	25.4#



#80

Benzo(a)anthracene

Concen: 48.46 ng

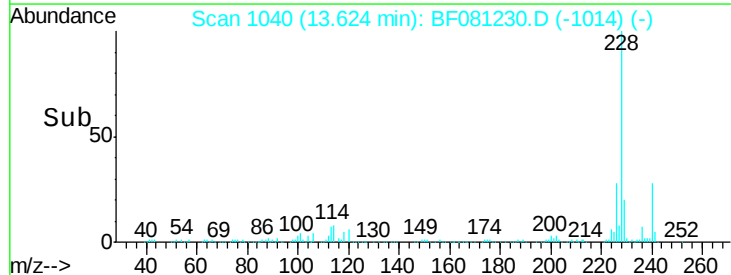
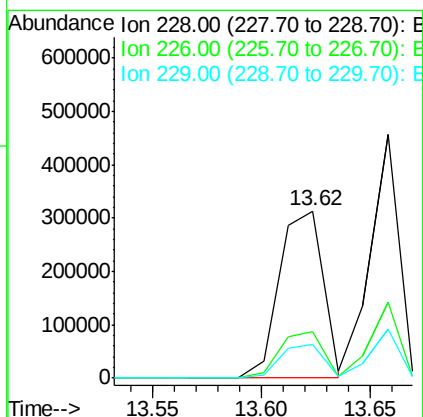
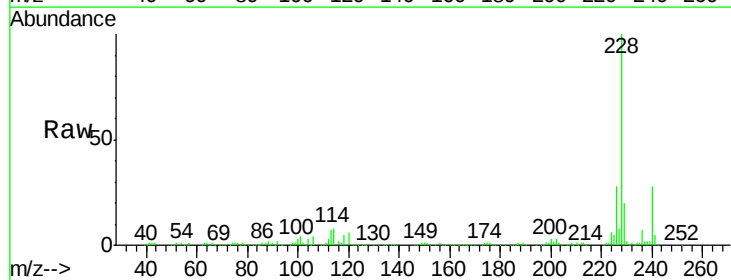
RT: 13.62 min Scan# 1040

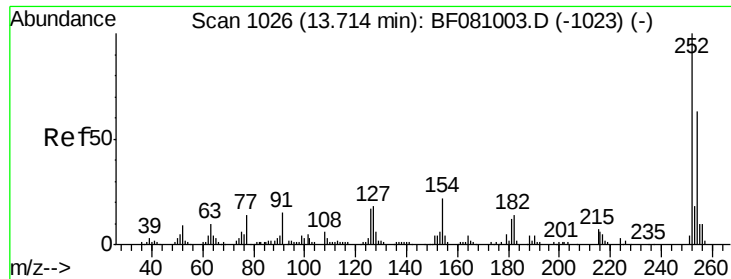
Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Tgt Ion:	228	Resp:	441637
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.3	33.5
229	19.8	15.9	23.9





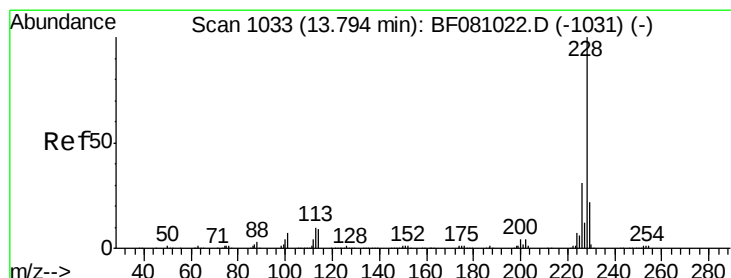
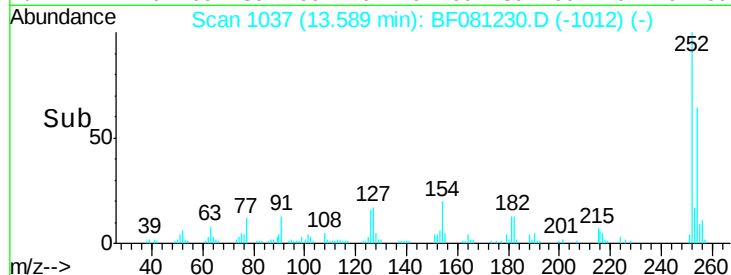
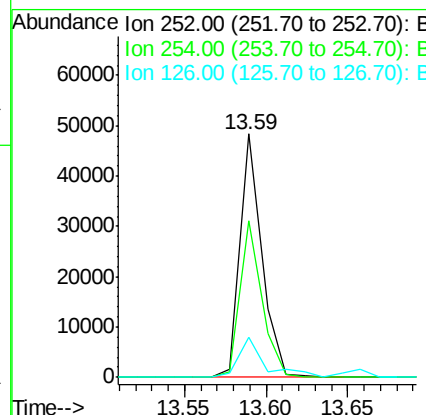
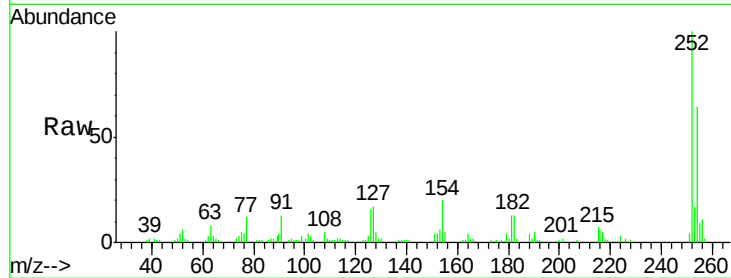
#81
 3,3'-Dichlorobenzidine
 Concen: 15.03 ng
 RT: 13.59 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6MSD

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	44383		
254	64.4	51.5	77.3	
126	16.4	12.5	18.7	

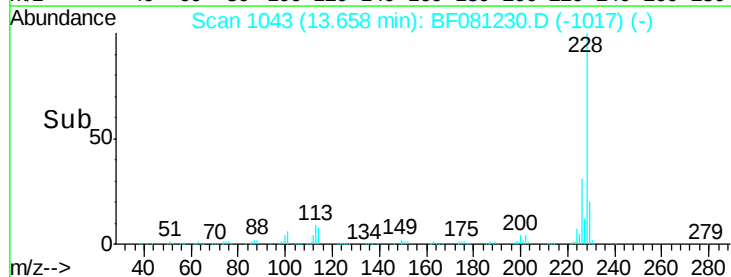
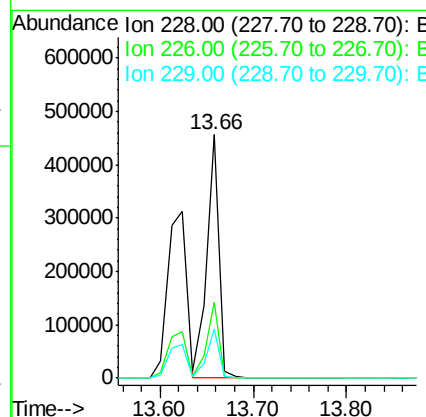
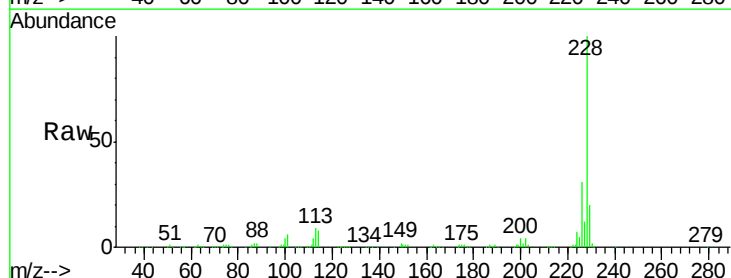
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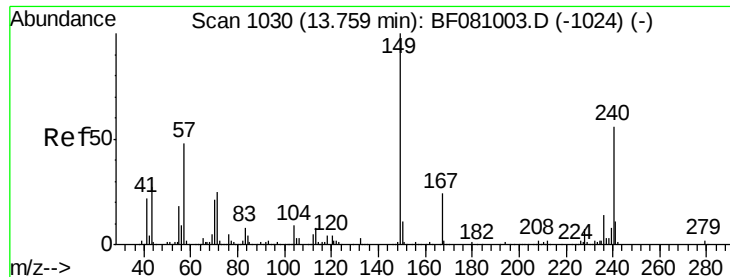
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#82
 Chrysene
 Concen: 51.18 ng
 RT: 13.66 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	420400		
226	31.1	24.4	36.6	
229	20.2	16.0	24.0	





#83

Bis(2-ethylhexyl)phthalate

Concen: 52.34 ng

RT: 13.65 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

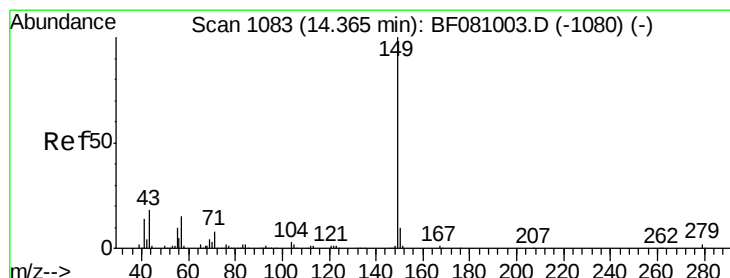
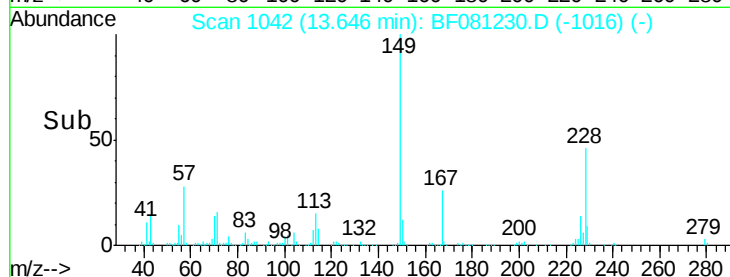
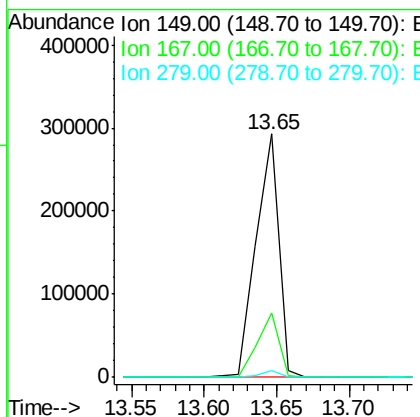
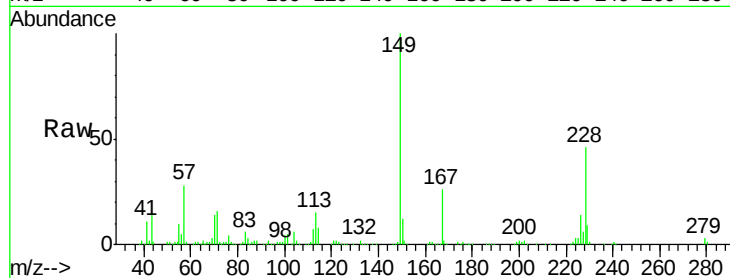
ClientSampleId :

SOIL-6MSD

Tgt Ion:	149	Resp:	318360
Ion Ratio		Lower	Upper
149	100		
167	26.3	20.7	31.1
279	2.9	2.2	3.4

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#84

Di-n-octyl phthalate

Concen: 58.42 ng

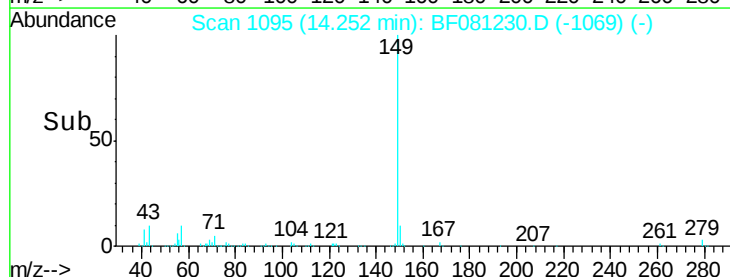
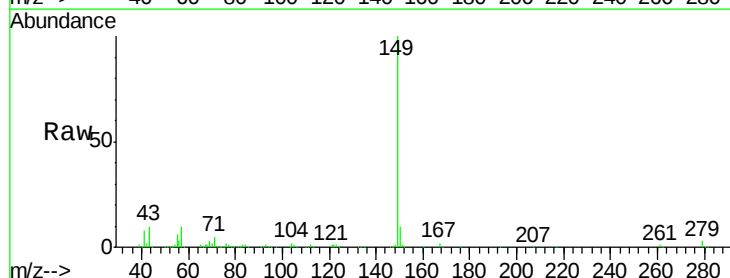
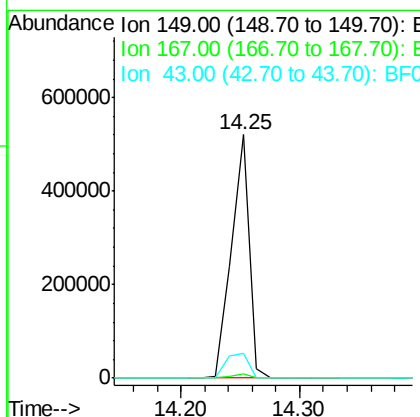
RT: 14.25 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

Tgt Ion:	149	Resp:	540086
Ion Ratio		Lower	Upper
149	100		
167	1.4	1.1	1.7
43	13.1	11.6	17.4





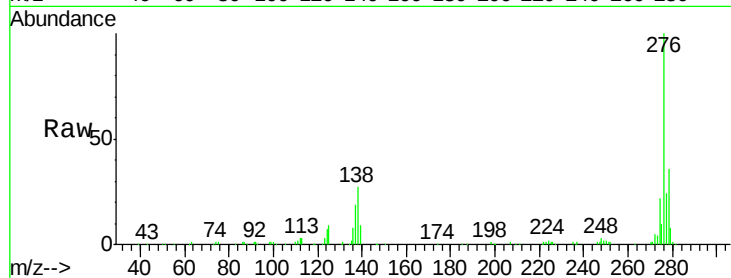
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 53.48 ng
 RT: 16.12 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6MSD

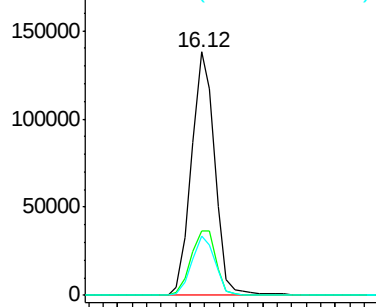
Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.9	18.6	28.0#
277	24.5	19.8	29.8

Manual Integrations
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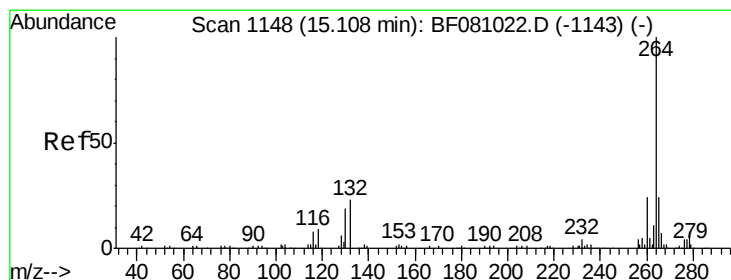
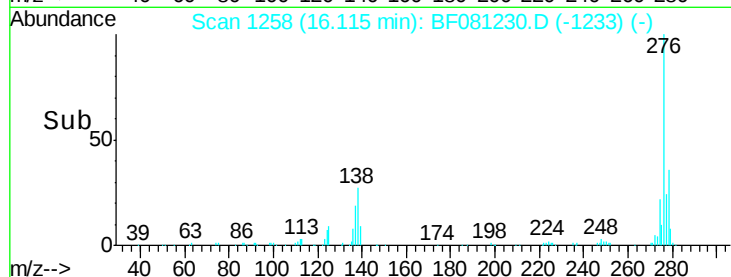
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

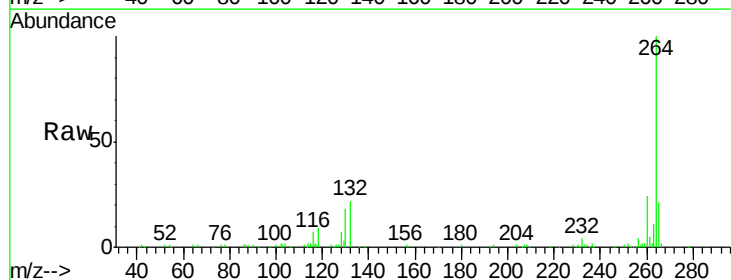


Time-->

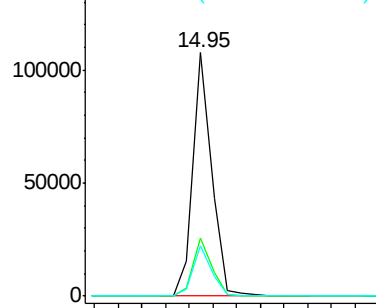


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.95 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

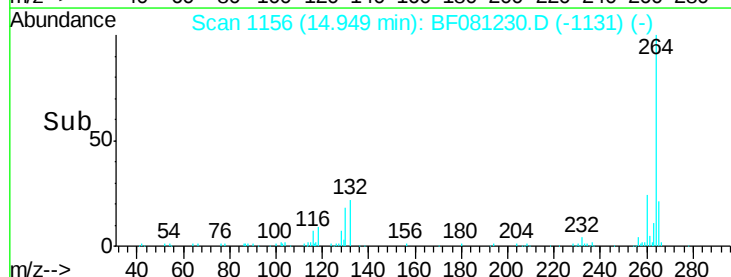
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	20.5	17.5	26.3

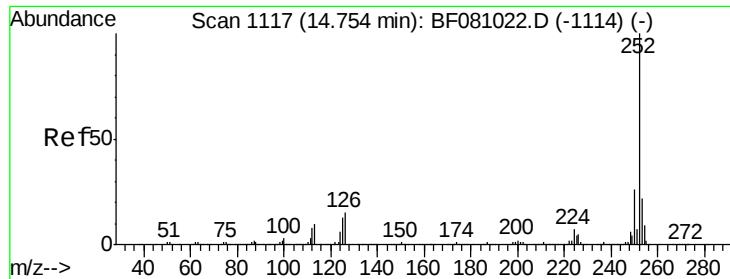


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time-->





#87

Benzo(b)fluoranthene

Concen: 57.92 ng m

RT: 14.61 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF081230.D

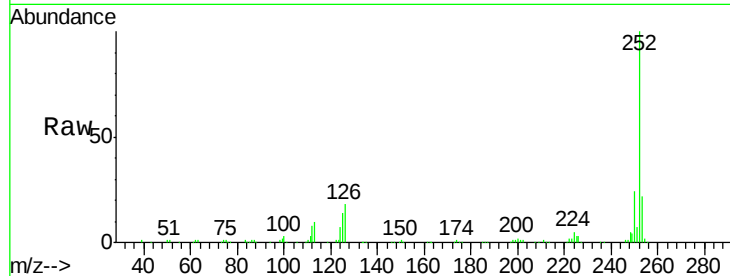
Acq: 27 Aug 2015 00:22

Instrument :

BNA_F

ClientSampleId :

SOIL-6MSD



Tgt Ion: 252 Resp: 482636

Ion Ratio Lower Upper

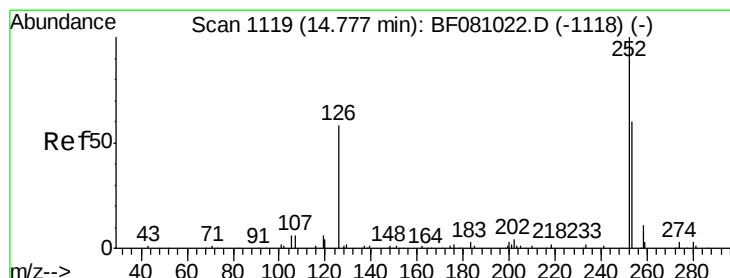
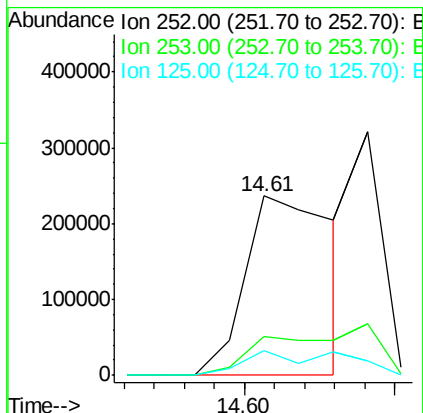
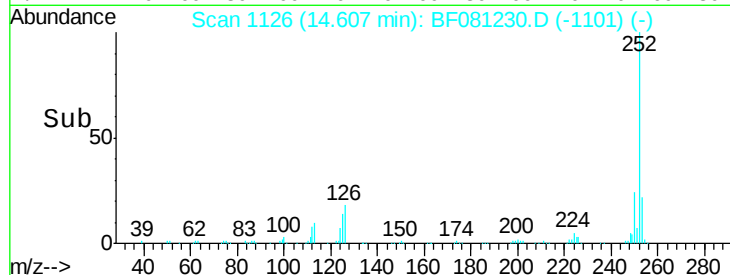
252 100

253 22.0 17.1 25.7

125 13.6 8.0 12.0

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#88

Benzo(k)fluoranthene

Concen: 29.97 ng m

RT: 14.64 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BF081230.D

Acq: 27 Aug 2015 00:22

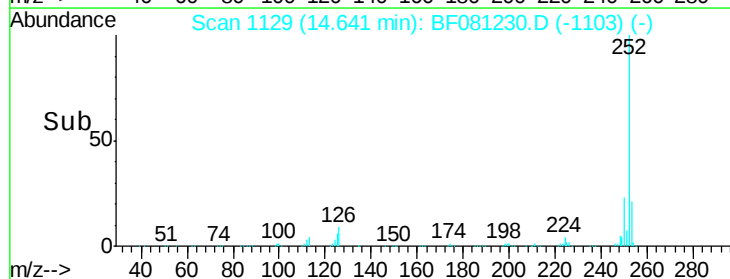
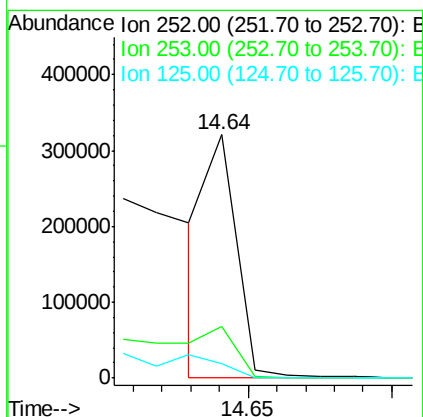
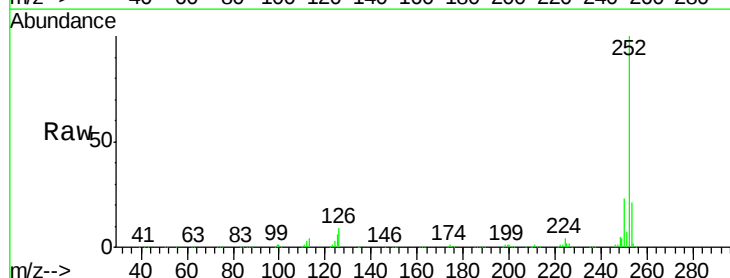
Tgt Ion: 252 Resp: 232706

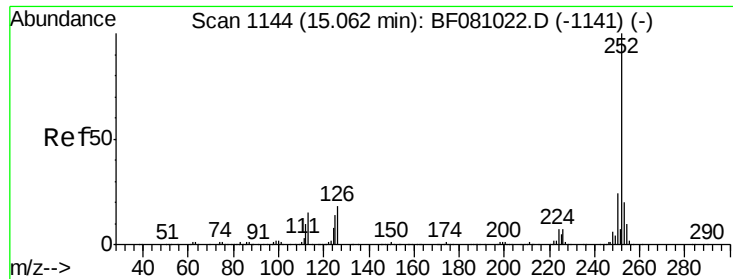
Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 5.7 10.3 15.5





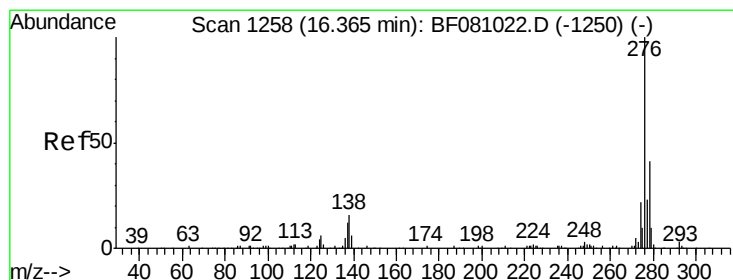
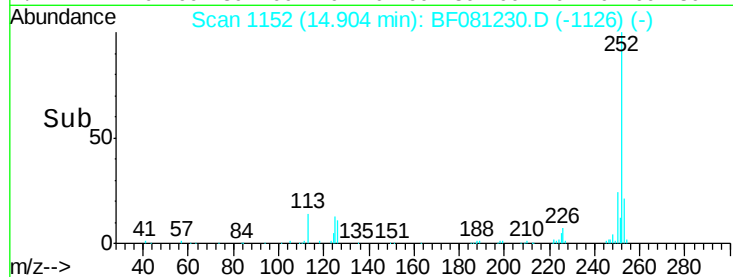
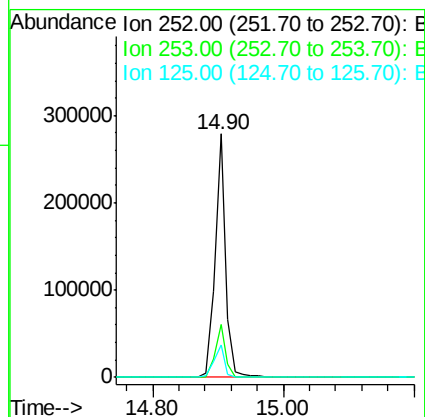
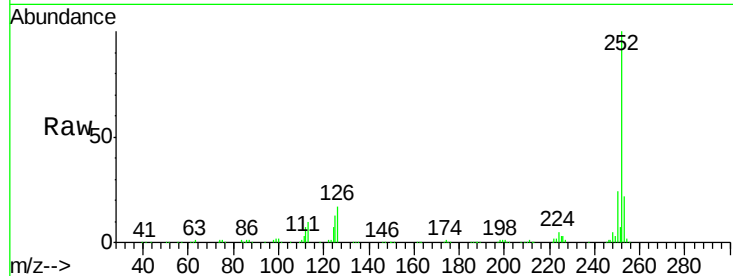
#89
Benzo(a)pyrene
Concen: 44.12 ng
RT: 14.90 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Instrument :
BNA_F
ClientSampleId :
SOIL-6MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.6	25.0
125	13.5	7.8	11.8

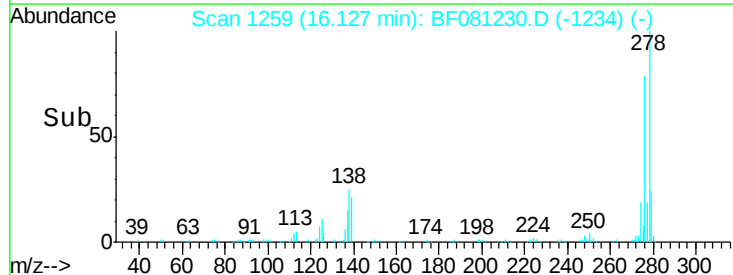
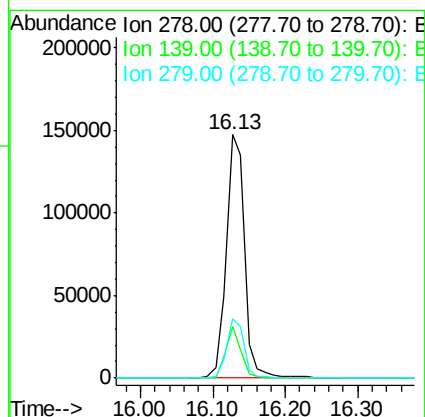
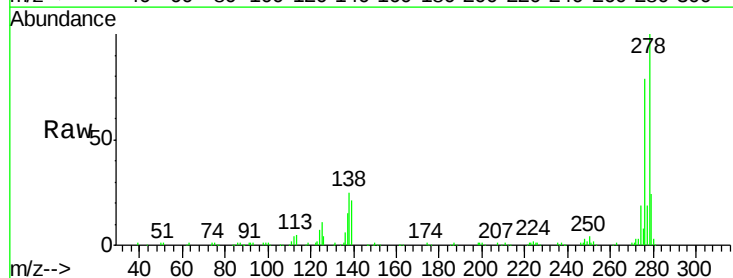
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#90
Dibenzo(a,h)anthracene
Concen: 45.53 ng
RT: 16.13 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF081230.D
Acq: 27 Aug 2015 00:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.1	10.8	16.2
279	24.2	19.0	28.6





#91
 Benzo(g,h,i)perylene
 Concen: 44.97 ng
 RT: 16.47 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: BF081230.D
 Acq: 27 Aug 2015 00:22

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6MSD

Tgt Ion:	276	Resp:	258130
Ion Ratio	Lower	Upper	
276	100		
277	23.2	18.2	27.2
138	19.8	13.7	20.5

Manual Integrations
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