

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
 Data File : BF091843.D
 Acq On : 21 Dec 2016 19:45
 Operator : UM/SJ
 Sample : H6103-01
 Misc : LOD 1PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Manual Integrations
 APPROVED

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 12/22/2016 7:08:50 PM

Quant Time: Dec 22 03:06:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	247371	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	1075773	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	544372	20.00	ng	-0.01
63) Phenanthrene-d10	11.27	188	972871	20.00	ng	0.00
75) Chrysene-d12	13.89	240	781331	20.00	ng	-0.01
86) Perylene-d12	15.29	264	683740	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	2256206	152.29	ng	0.02
7) Phenol-d6	6.40	99	2204353	121.87	ng	-0.01
23) Nitrobenzene-d5	7.31	82	1433540	74.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	597810	132.70	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	2690643	104.18	ng	0.00
78) Terphenyl-d14	12.85	244	2145533	66.60	ng	0.00

Target Compounds

						Qvalue
3) Pyridine	3.28	79	16839m	0.66	ng	
4) n-Nitrosodimethylamine	3.12	42	7547m	0.79	ng	
6) Aniline	6.41	93	18725	0.80	ng	94
8) 2-Chlorophenol	6.53	128	16207	0.96	ng	89
9) Benzaldehyde	6.29	77	9247	0.48	ng	98
10) Phenol	6.41	94	23742	1.15	ng	92
11) bis(2-Chloroethyl)ether	6.49	93	19591	1.19	ng	94
12) 1,3-Dichlorobenzene	6.68	146	16802	0.93	ng	# 94
13) 1,4-Dichlorobenzene	6.76	146	17254	0.94	ng	95
14) 1,2-Dichlorobenzene	6.91	146	15199m	0.96	ng	
15) Benzyl Alcohol	6.90	79	34684	2.47	ng	# 54
16) 2,2'-oxybis(1-Chloropropan	7.02	45	23232	0.95	ng	90
17) 2-Methylphenol	7.01	107	12726	0.94	ng	98
18) Hexachloroethane	7.25	117	6681	0.98	ng	# 79
20) 3+4-Methylphenols	7.17	107	16325	1.01	ng	# 70
22) Acetophenone	7.15	105	22375	0.84	ng	# 94
24) Nitrobenzene	7.32	77	19632	0.95	ng	93
25) Isophorone	7.56	82	27583m	0.77	ng	
26) 2-Nitrophenol	7.65	139	7023	0.69	ng	# 87
27) 2,4-Dimethylphenol	7.70	122	13423	0.80	ng	93
28) bis(2-Chloroethoxy)methane	7.79	93	17388	0.80	ng	# 97
29) 2,4-Dichlorophenol	7.90	162	11335	0.79	ng	97
30) 1,2,4-Trichlorobenzene	7.97	180	13969	0.89	ng	98
31) Naphthalene	8.05	128	48837	0.99	ng	98
32) Benzoic acid	7.77	122	5336	0.43	ng	# 83
33) 4-Chloroaniline	8.11	127	16228	0.73	ng	95
34) Hexachlorobutadiene	8.18	225	7500	0.91	ng	93
35) Caprolactam	8.43	113	2800	0.60	ng	# 66
36) 4-Chloro-3-methylphenol	8.59	107	12175	0.74	ng	95
37) 2-Methylnaphthalene	8.74	142	27442	0.32	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.91	216	13522	0.98	ng	98
42) 2,4,6-Trichlorophenol	9.02	196	7770	0.81	ng	90
45) 1,1'-Biphenyl	9.21	154	44958	1.21	ng	98
46) 2-Chloronaphthalene	9.23	162	29588	1.00	ng	93

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Manual Integrations
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Quant Time: Dec 22 03:06:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Nitroaniline	9.33	65	7621	0.73	nq	# 76
48) Acenaphthylene	9.64	152	46336	1.02	nq	96
49) Dimethylphthalate	9.50	163	33340	0.96	nq	98
50) 2,6-Dinitrotoluene	9.57	165	6008	0.79	nq	89
51) Acenaphthene	9.81	154	31713	1.03	nq	98
52) 3-Nitroaniline	9.74	138	6535	0.69	nq	85
54) Dibenzofuran	9.98	168	41442	1.00	nq	97
55) 4-Nitrophenol	9.93	139	2670	0.42	nq	98
56) 2,4-Dinitrotoluene	9.97	165	7580	0.79	nq	# 97
57) Fluorene	10.33	166	33663	1.11	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.11	232	6340	0.81	nq	# 98
59) Diethylphthalate	10.20	149	31000	0.92	nq	97
60) 4-Chlorophenyl-phenylether	10.33	204	14428	1.09	nq	# 79
61) 4-Nitroaniline	10.34	138	6697	0.69	nq	90
62) Azobenzene	10.49	77	31846	0.86	nq	85
64) 4,6-Dinitro-2-methylphenol	10.38	198	1171	0.20	nq	# 45
65) n-Nitrosodiphenylamine	10.44	169	26653	0.92	nq	99
66) 4-Bromophenyl-phenylether	10.81	248	7835	0.77	nq	# 88
67) Hexachlorobenzene	10.88	284	9284	0.86	nq	# 92
68) Atrazine	10.97	200	6147	0.66	nq	93
69) Pentachlorophenol	11.08	266	832	0.16	nq	96
70) Phenanthrene	11.29	178	51152	0.97	nq	94
71) Anthracene	11.33	178	44882	0.18	nq	99
72) Carbazole	11.49	167	42451	0.78	nq	98
73) Di-n-butylphthalate	11.84	149	47087	Below Cal	#	97
74) Fluoranthene	12.48	202	44945	Below Cal		92
76) Benzidine	12.60	184	14628	Below Cal		96
77) Pvrene	12.69	202	48637	0.85	nq	99
79) Butylbenzylphthalate	13.32	149	18388	0.71	nq	96
80) Benzo(a)anthracene	13.88	228	42944	0.97	nq	98
81) 3,3'-Dichlorobenzidine	13.86	252	10362	0.62	nq	# 91
82) Chrysene	13.92	228	40202	0.91	nq	96
83) Bis(2-ethylhexyl)phthalate	13.88	149	24320	0.79	nq	# 99
84) Di-n-octyl phthalate	14.50	149	42147	0.74	nq	# 99
85) Indeno(1,2,3-cd)pvrene	16.63	276	30267	0.79	nq	96
87) Benzo(b)fluoranthene	14.90	252	38079m	0.89	nq	
88) Benzo(k)fluoranthene	14.92	252	31793m	0.88	nq	
89) Benzo(a)pyrene	15.23	252	32444	0.86	nq	98
90) Dibenzo(a,h)anthracene	16.64	278	25698	0.83	nq	99
91) Benzo(g,h,i)perylene	17.01	276	26246	0.81	nq	# 94

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

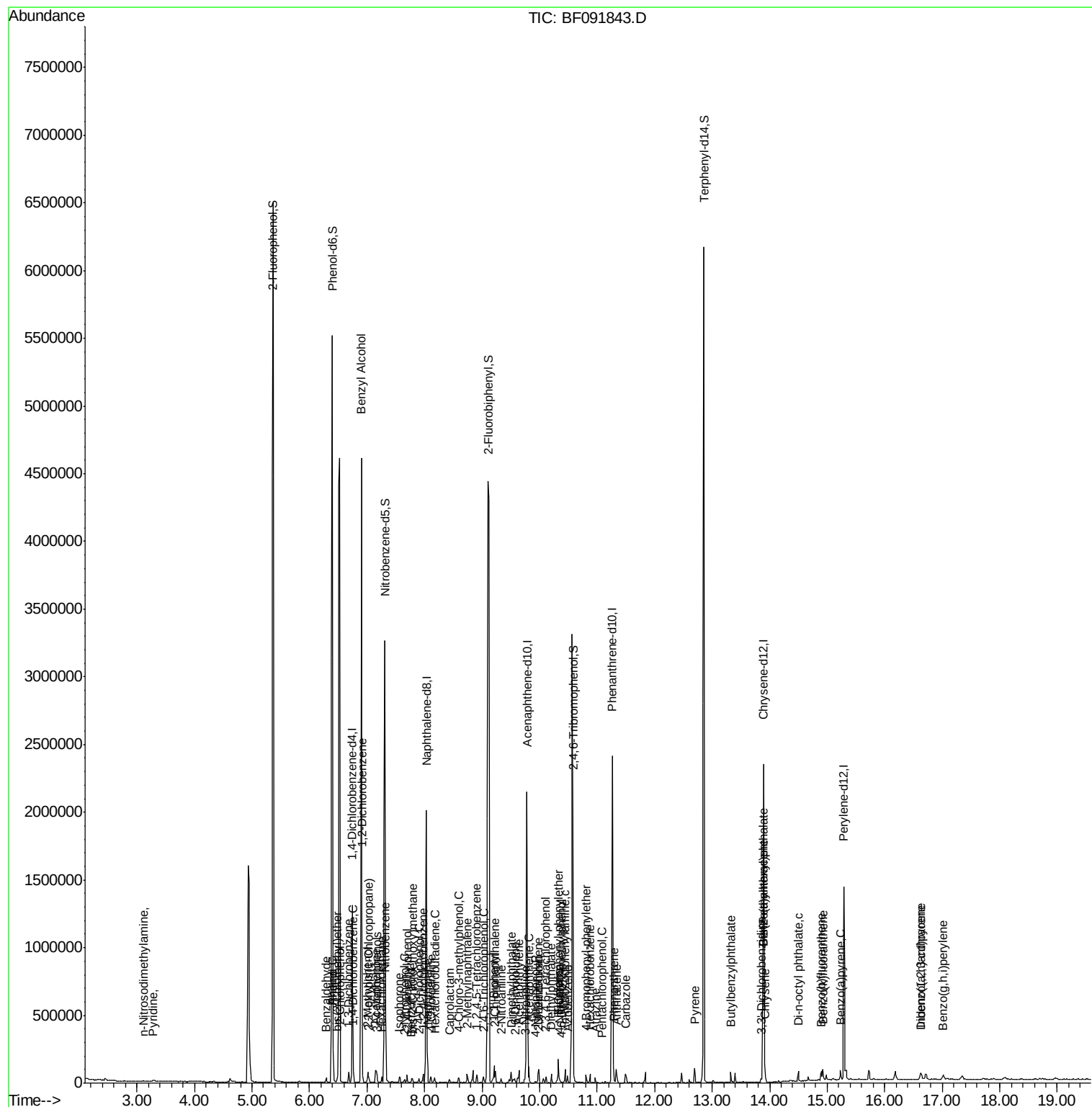
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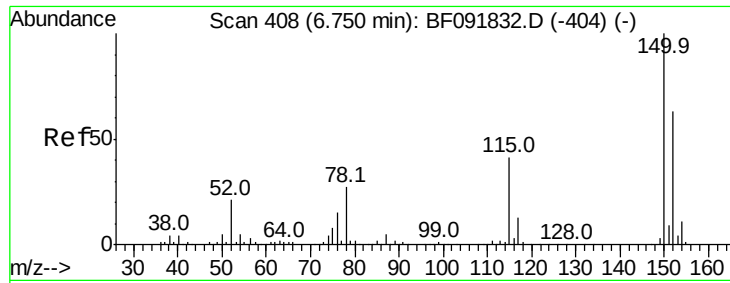
Instrument :
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#1

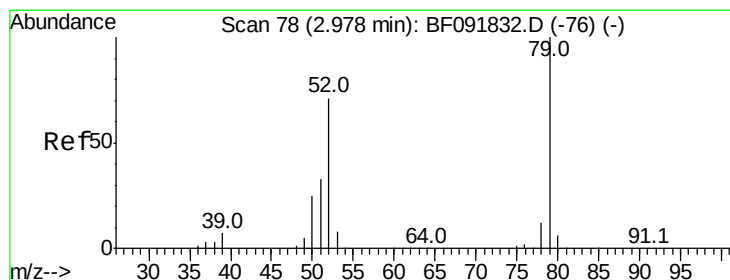
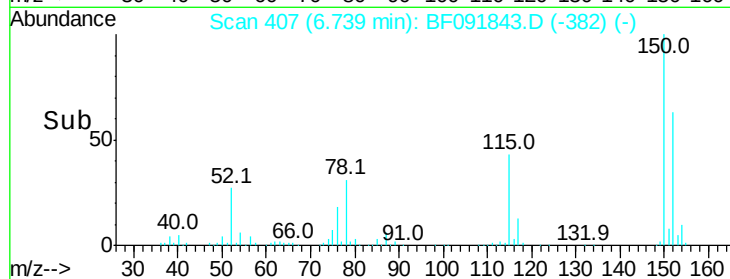
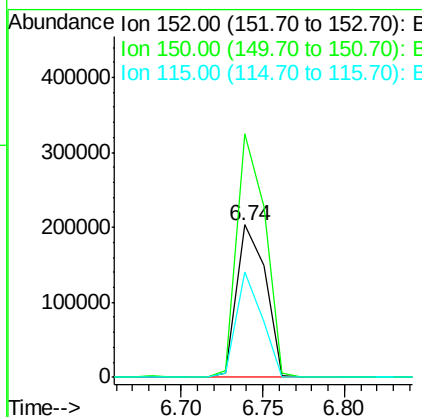
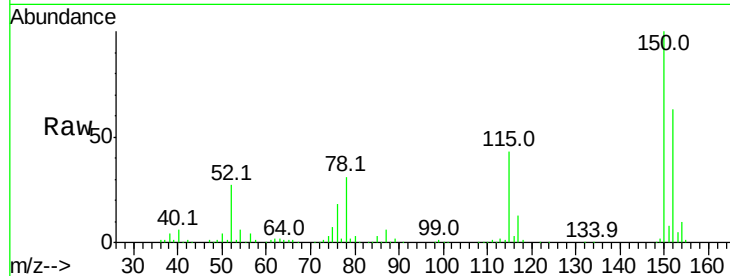
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.9	187.3
115	68.9	46.0	69.0

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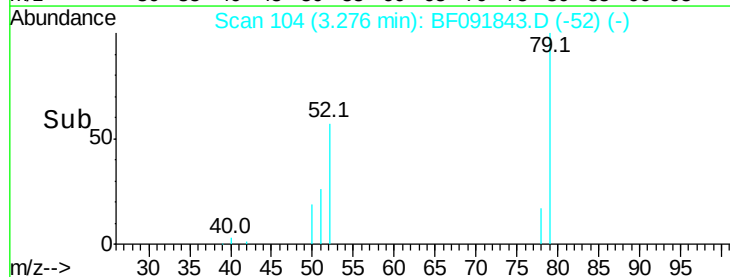
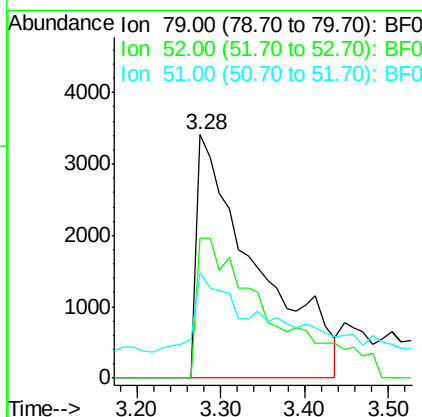
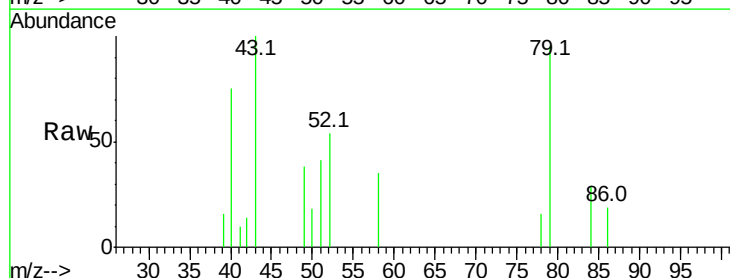
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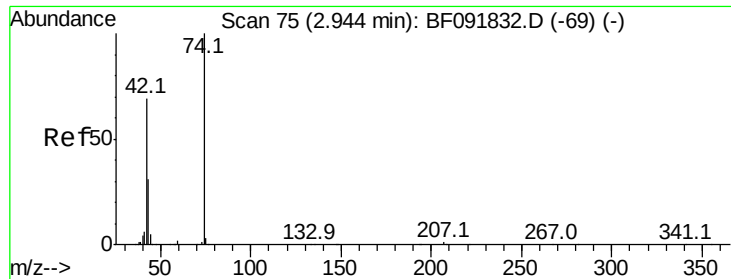


#3

Pyridine
Concen: 0.66 ng m
RT: 3.28 min Scan# 104
Delta R.T. 0.30 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Lower	Upper
79	100		
52	57.3	57.1	85.7
51	43.2	27.3	40.9#





#4

n-Nitrosodimethylamine

Concen: 0.79 ng/mL

RT: 3.12 min Scan# 90

Delta R.T. 0.17 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

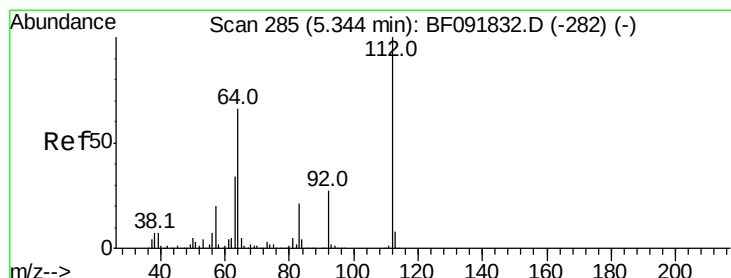
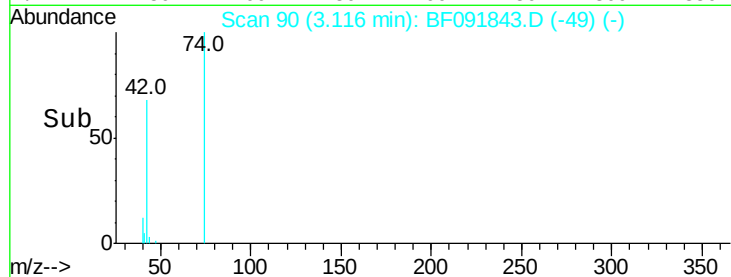
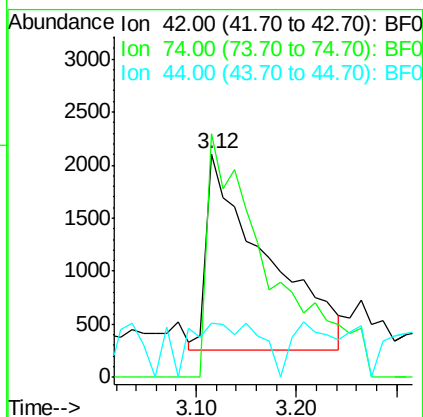
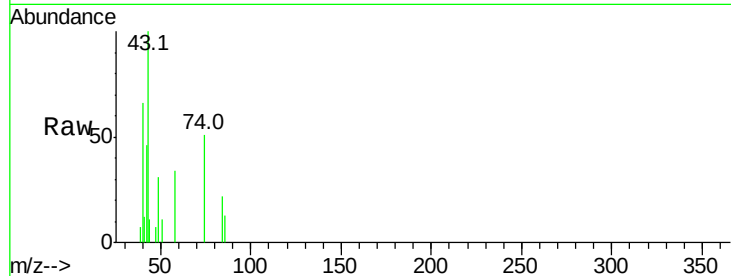
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	42	Resp:	7547
Ion Ratio	Lower	Upper	
42	100		
74	109.1	117.0	175.4#
44	24.1	5.5	8.3#

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#5

2-Fluorophenol

Concen: 152.29 ng

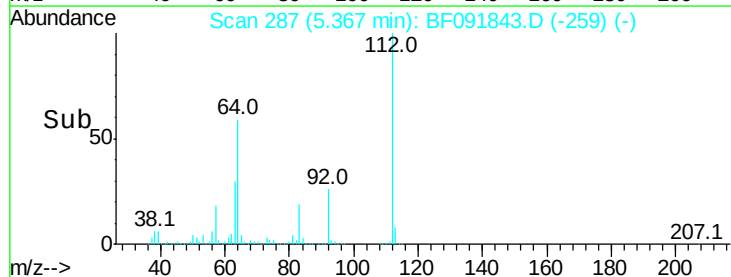
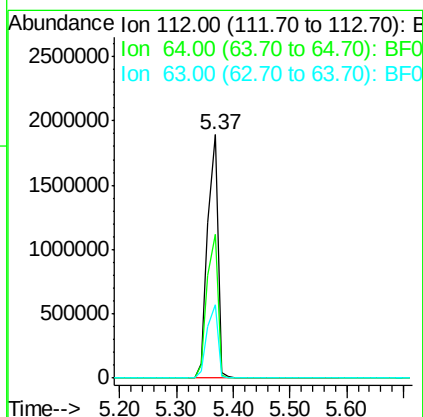
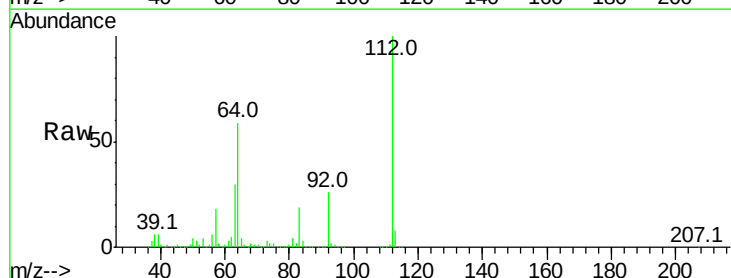
RT: 5.37 min Scan# 287

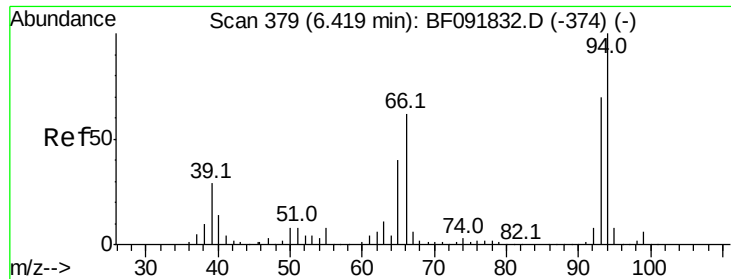
Delta R.T. 0.02 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:	112	Resp:	2256206
Ion Ratio	Lower	Upper	
112	100		
64	58.8	46.1	69.1
63	30.0	23.8	35.6





#6

Aniline

Concen: 0.80 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

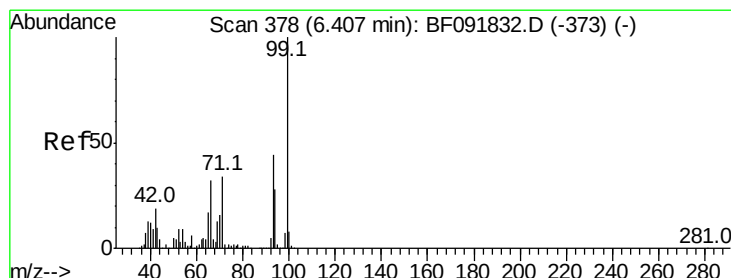
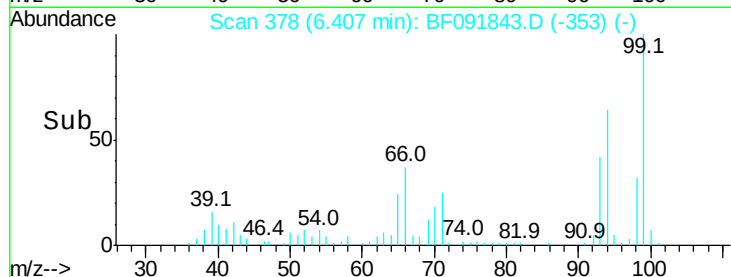
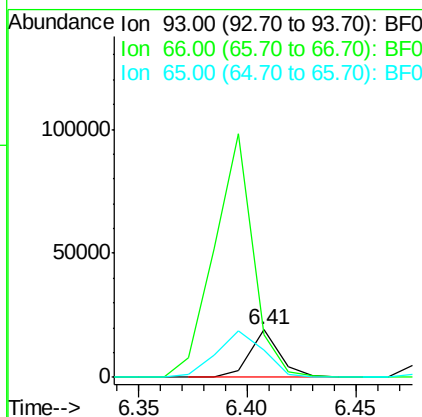
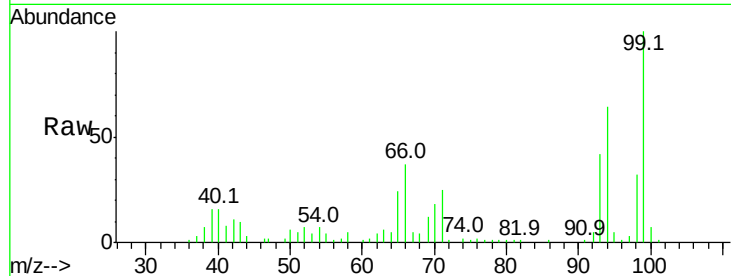
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	93	Resp:	18725
Ion Ratio	Lower	Upper	
93	100		
66	88.9	76.2	114.2
65	57.2	49.3	73.9

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#7

Phenol-d6

Concen: 121.87 ng

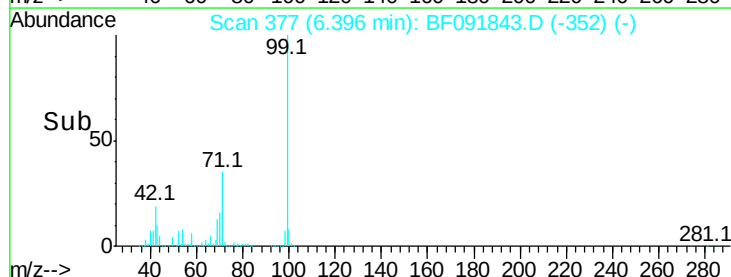
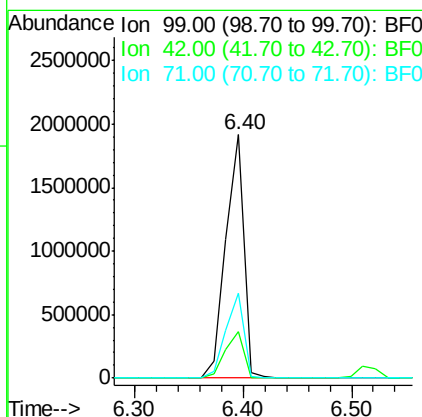
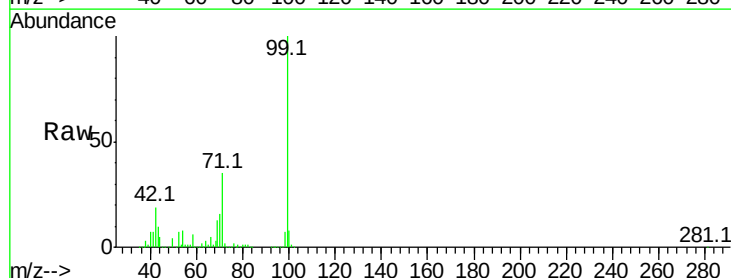
RT: 6.40 min Scan# 377

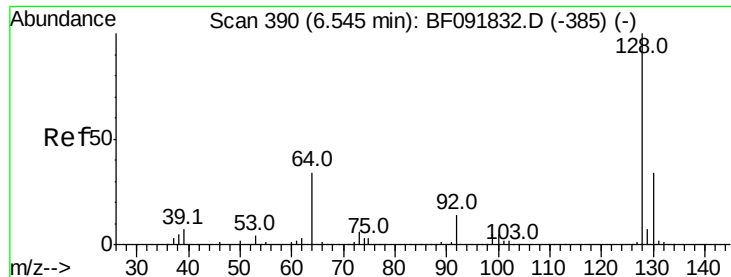
Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:	99	Resp:	2204353
Ion Ratio	Lower	Upper	
99	100		
42	19.3	15.6	23.4
71	34.9	27.5	41.3





#8

2-Chlorophenol

Concen: 0.96 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

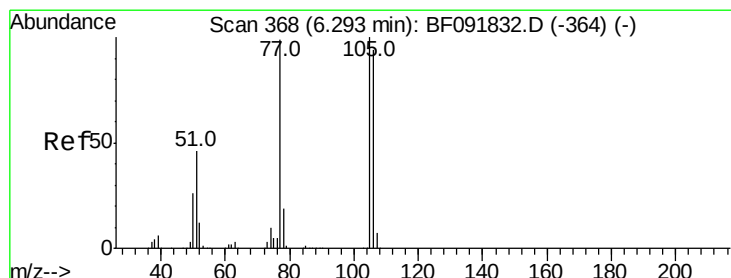
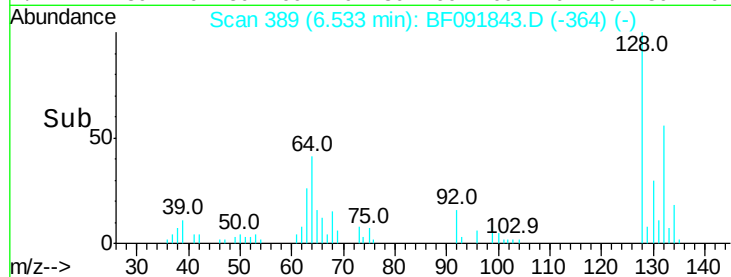
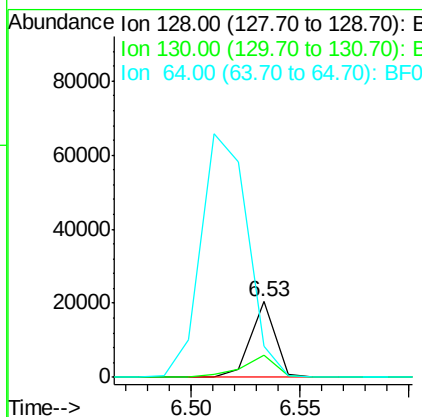
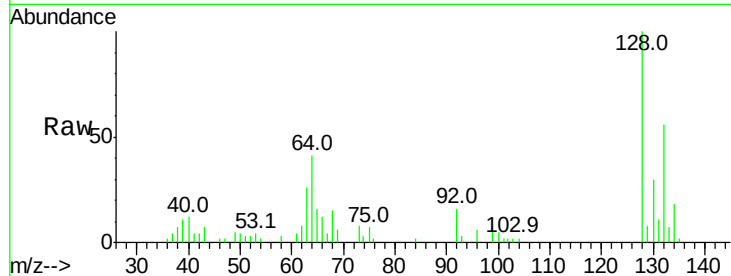
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	128	Resp:	16207
Ion Ratio	Lower	Upper	
128	100		
130	30.0	12.3	52.3
64	41.1	32.2	72.2

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#9

Benzaldehyde

Concen: 0.48 ng

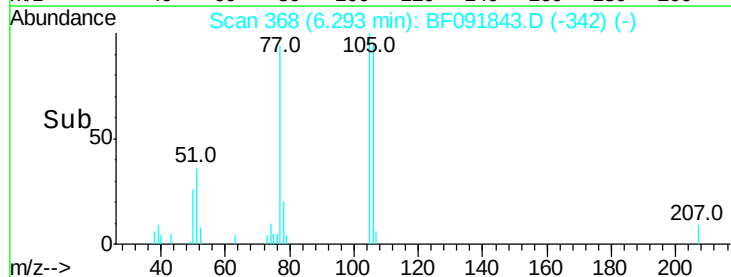
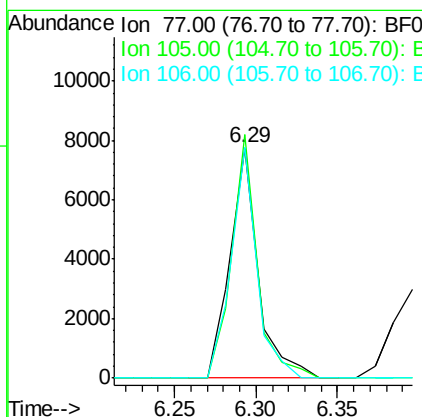
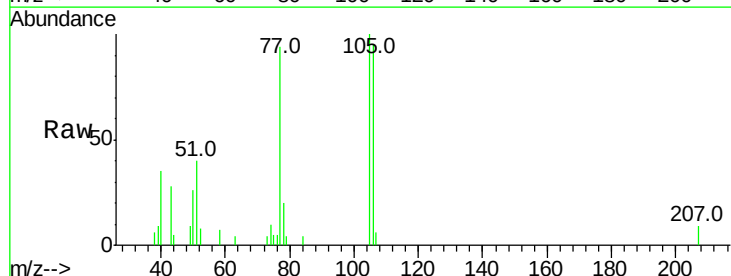
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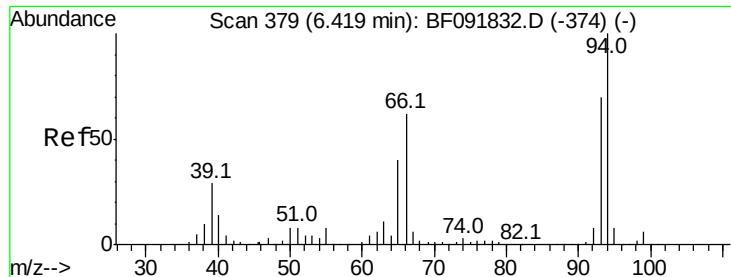
Delta R.T. 0.00 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:	77	Resp:	9247
Ion Ratio	Lower	Upper	
77	100		
105	105.9	83.9	123.9
106	100.3	77.6	117.6





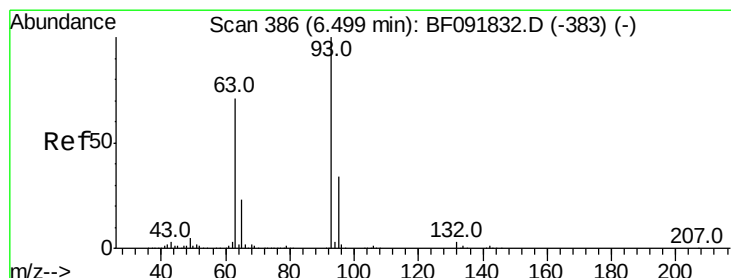
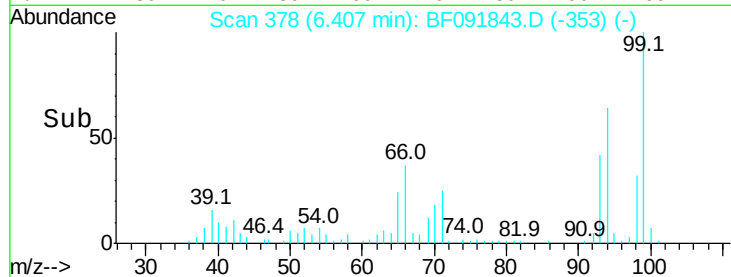
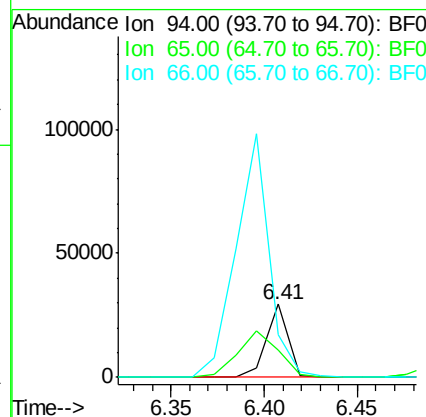
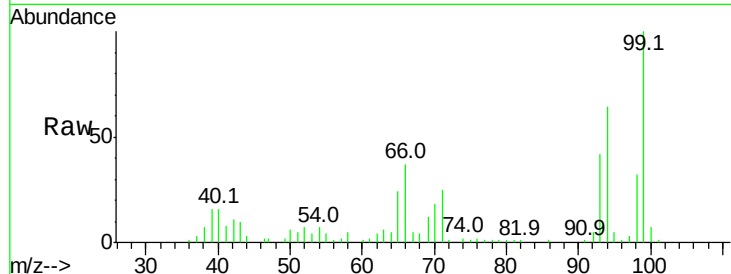
#10
Phenol
Concen: 1.15 ng
RT: 6.41 min Scan# 378
Delta R.T. -0.01 min
Lab File: BF091843.D
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Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
94	100		
65	37.2	21.4	61.4
66	57.7	44.0	84.0

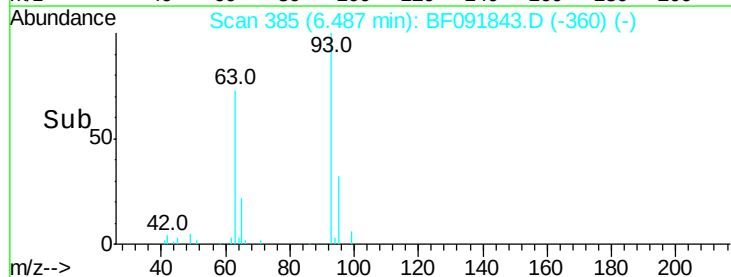
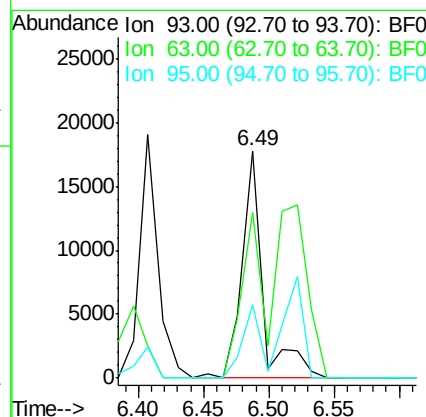
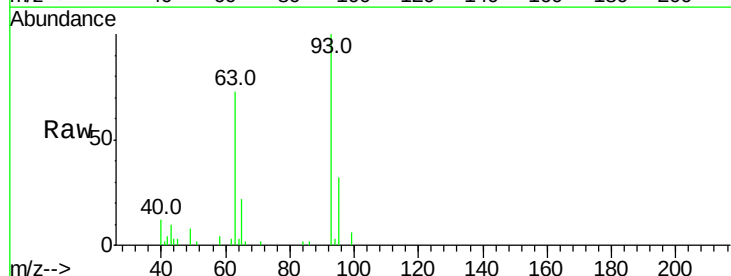
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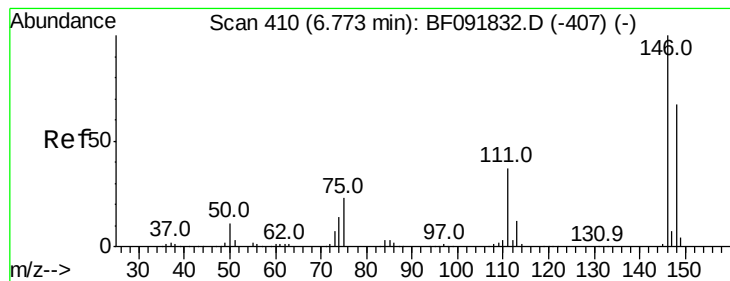
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#11
bis(2-Chloroethyl)ether
Concen: 1.19 ng
RT: 6.49 min Scan# 385
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Lower	Upper
93	100		
63	72.7	60.4	100.4
95	32.5	12.8	52.8





#12

1,3-Dichlorobenzene

Concen: 0.93 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

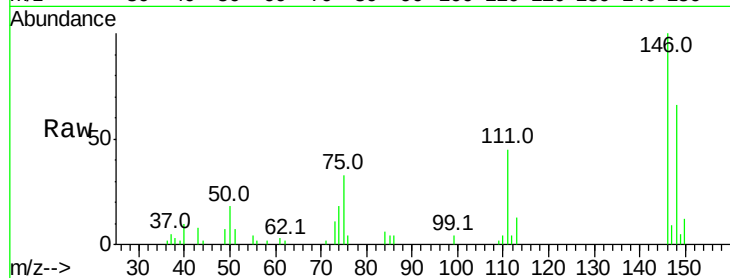
ClientSampleId :

LOD-SOIL-01-QT1-2017

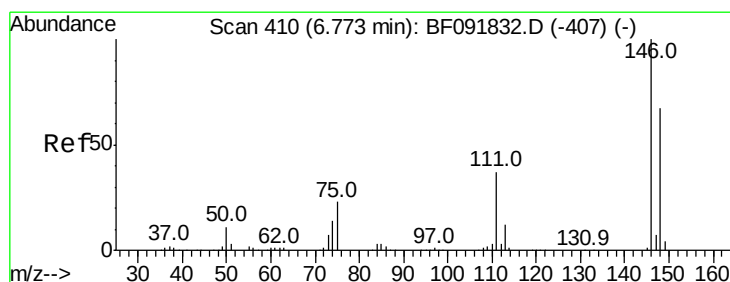
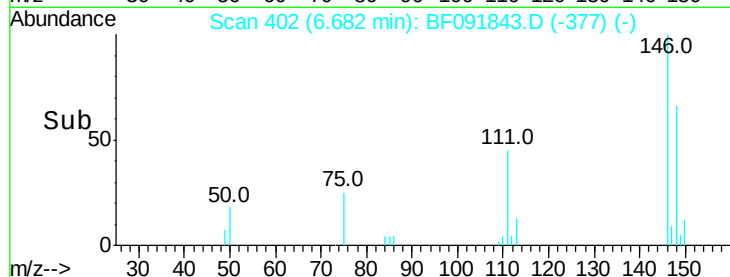
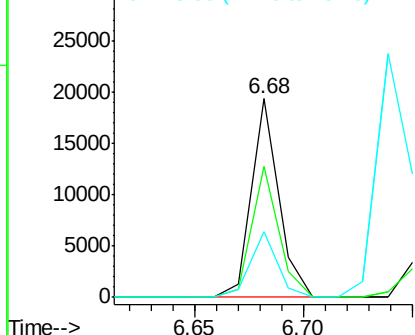
Tot Ion:	146	Resp:	16802
Ion Ratio	Lower	Upper	
146	100		
148	66.1	53.4	80.0
75	33.3	18.5	27.7#

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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 0.94 ng

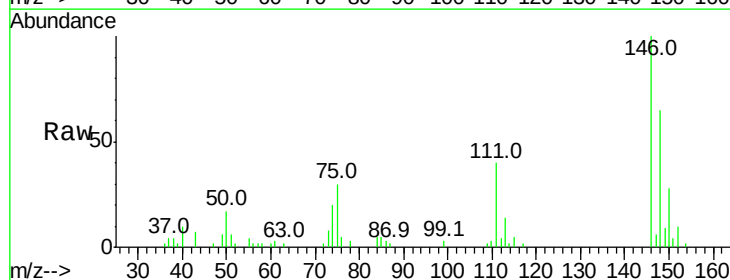
RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

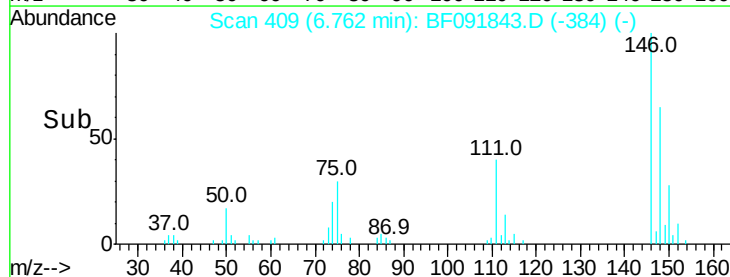
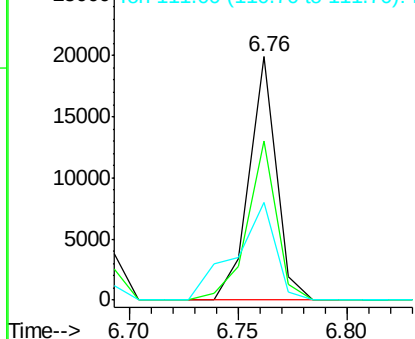
Lab File: BF091843.D

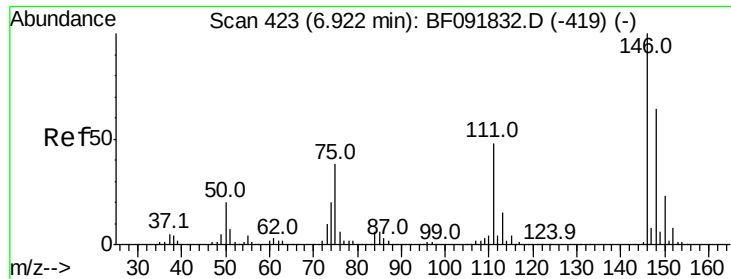
Acq: 21 Dec 2016 19:45

Tgt Ion:	146	Resp:	17254
Ion Ratio	Lower	Upper	
146	100		
148	65.4	50.6	76.0
111	40.2	36.2	54.4



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





#14

1,2-Dichlorobenzene

Concen: 0.96 ng/mL

RT: 6.91 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

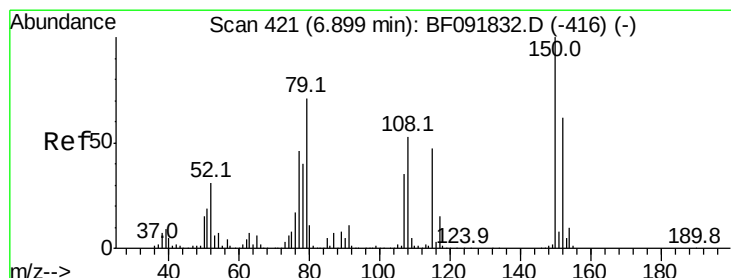
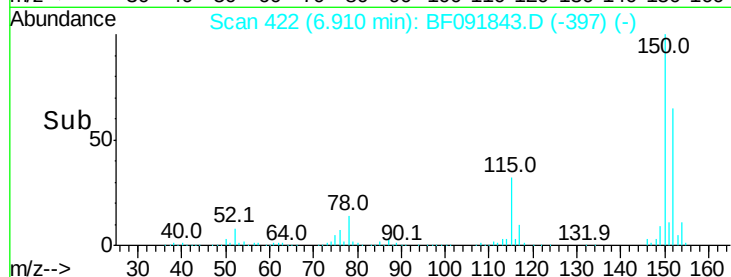
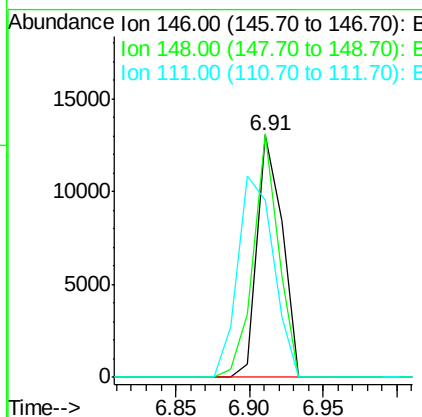
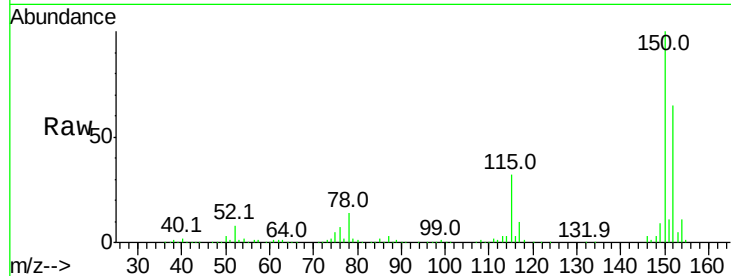
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	146	Resp:	15199
Ion Ratio	Lower	Upper	
146	100		
148	100.6	52.2	78.2#
111	73.4	36.2	54.2#

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#15

Benzyl Alcohol

Concen: 2.47 ng/mL

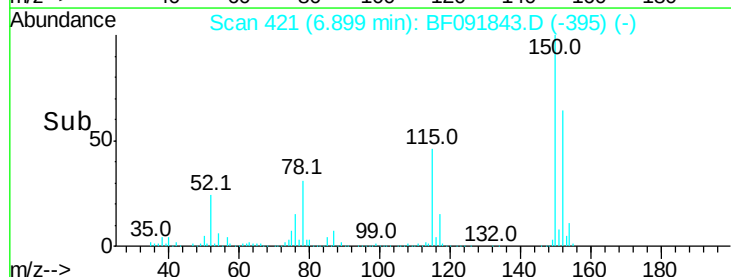
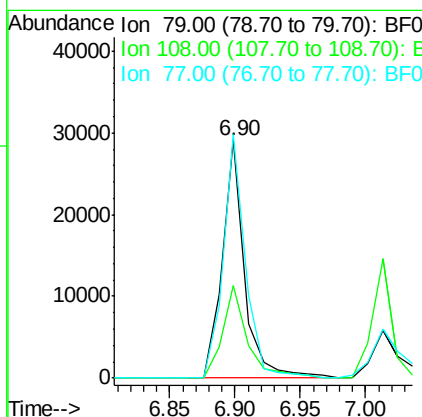
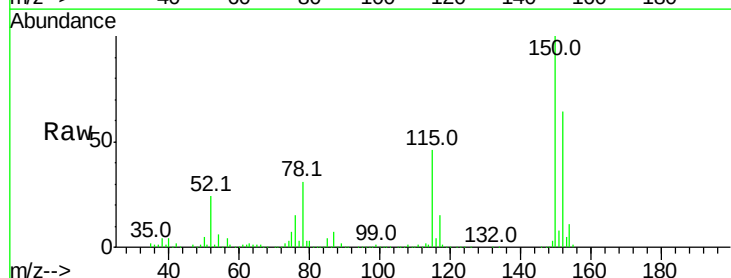
RT: 6.90 min Scan# 421

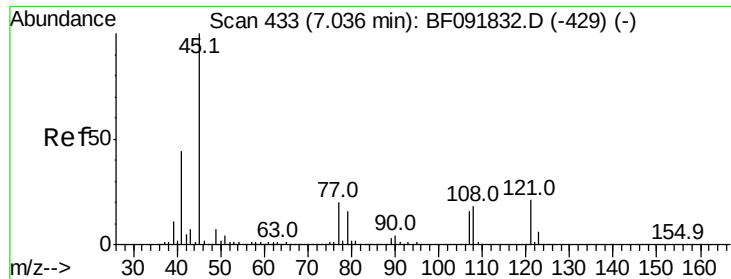
Delta R.T. 0.00 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:	79	Resp:	34684
Ion Ratio	Lower	Upper	
79	100		
108	38.9	61.4	92.0#
77	102.1	50.9	76.3#





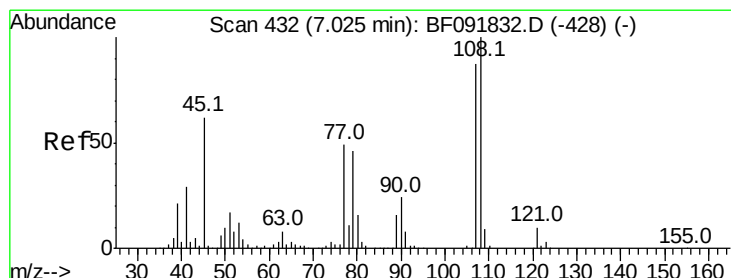
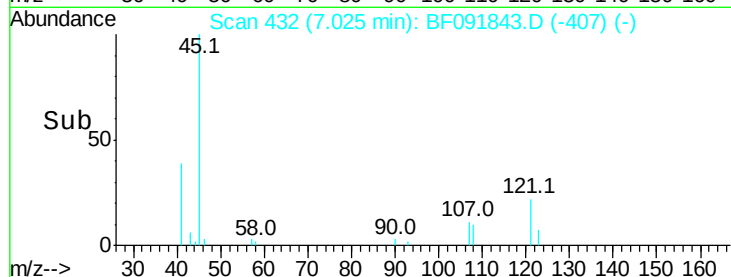
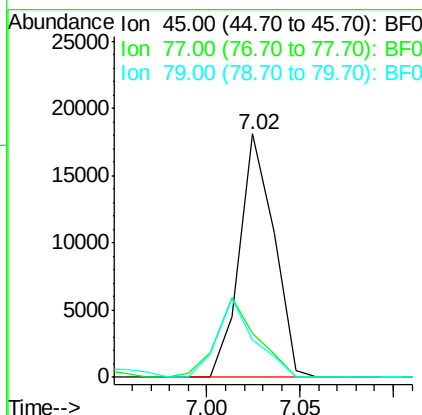
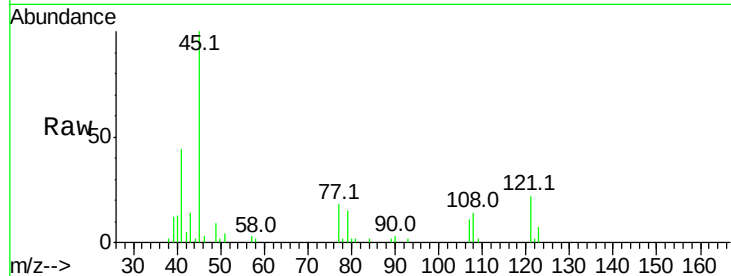
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.95 ng
RT: 7.02 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion:	45	Resp:	23232
Ion Ratio	Lower	Upper	
45	100		
77	18.1	0.0	34.6
79	15.4	0.0	31.2

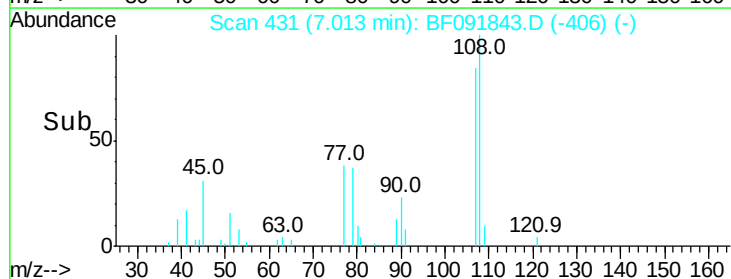
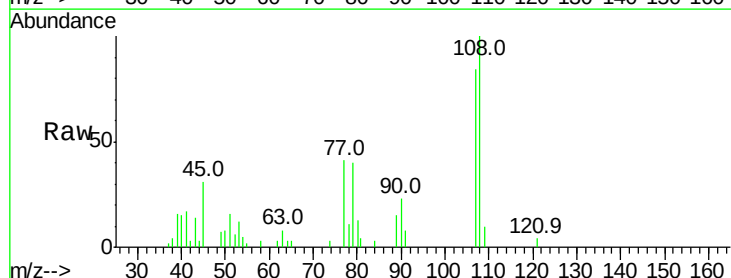
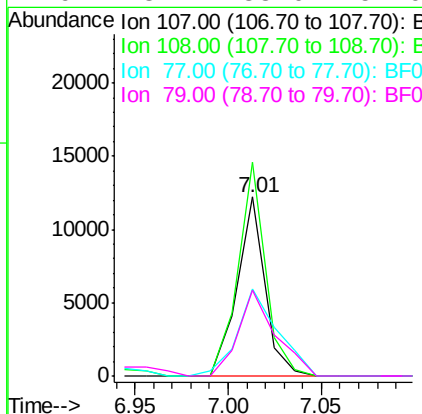
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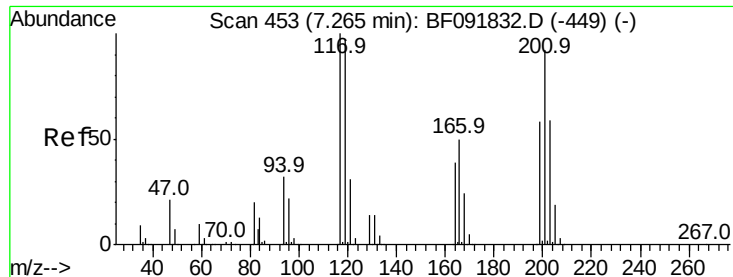
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#17
2-Methylphenol
Concen: 0.94 ng
RT: 7.01 min Scan# 431
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Tgt Ion:	107	Resp:	12726
Ion Ratio	Lower	Upper	
107	100		
108	119.4	93.0	139.6
77	48.9	39.8	59.8
79	48.2	38.0	57.0





#18

Hexachloroethane

Concen: 0.98 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

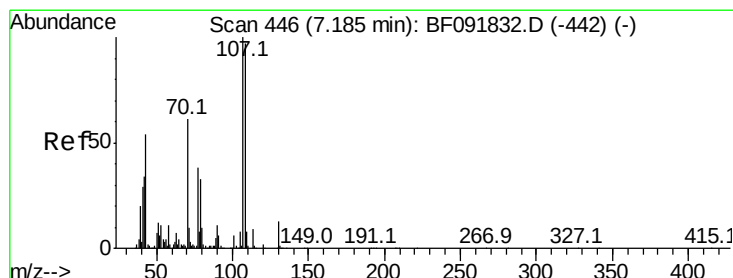
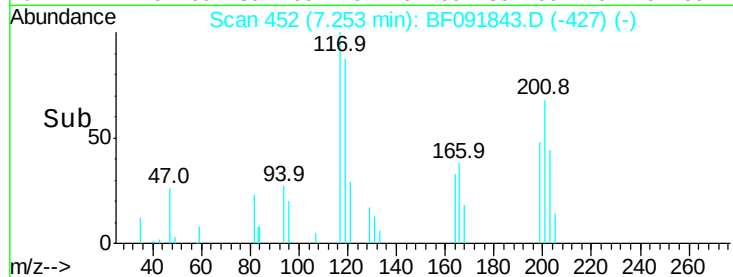
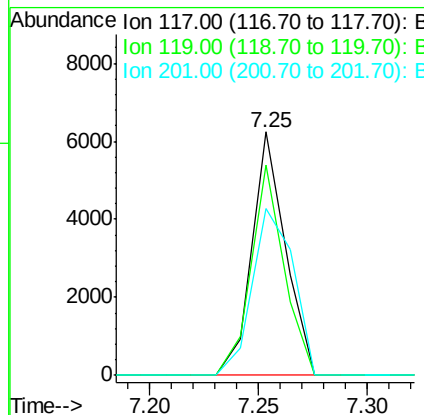
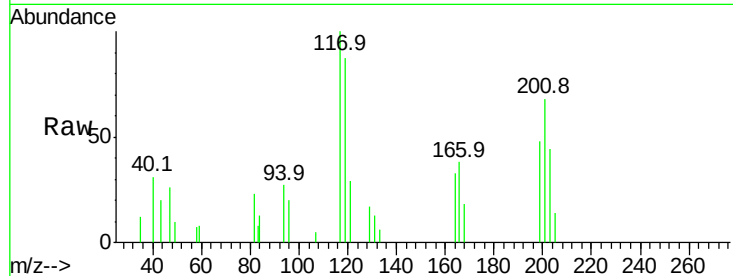
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	117	Resp:	6681
Ion Ratio	Lower	Upper	
117	100		
119	86.6	78.1	117.1
201	68.4	78.6	117.8#

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#20

3+4-Methylphenols

Concen: 1.01 ng

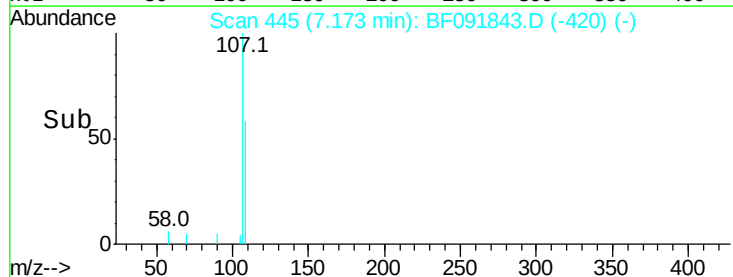
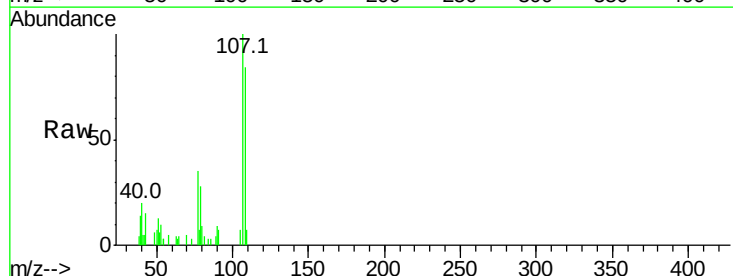
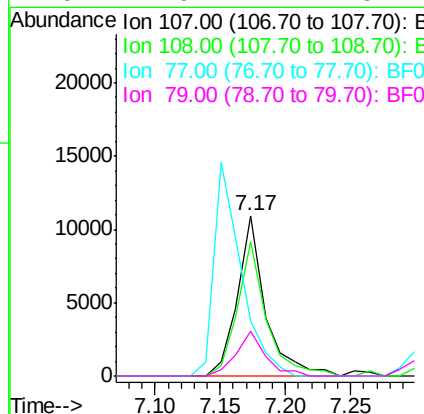
RT: 7.17 min Scan# 445

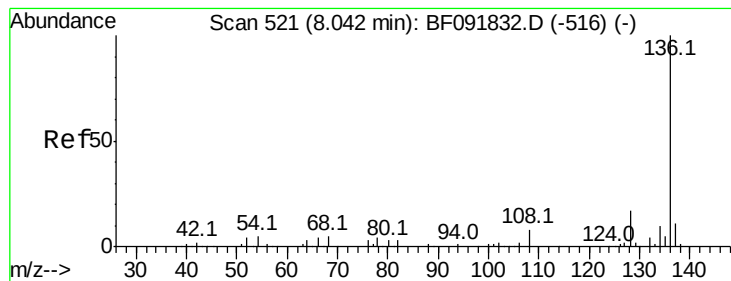
Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:	107	Resp:	16325
Ion Ratio	Lower	Upper	
107	100		
108	83.7	73.0	113.0
77	34.6	71.3	111.3#
79	27.9	11.1	51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:136 Resp: 1075773

Ion Ratio Lower Upper

136 100

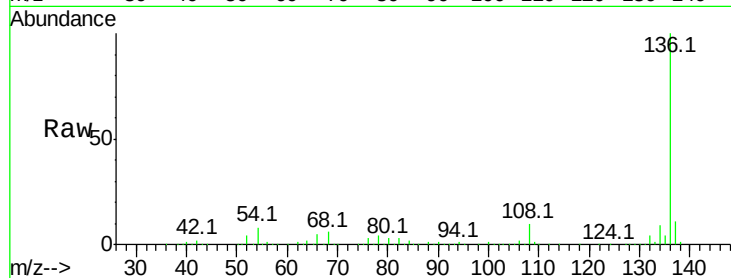
137 11.1 8.4 12.6

54 7.9 4.5 6.7#

68 6.3 3.6 5.4#

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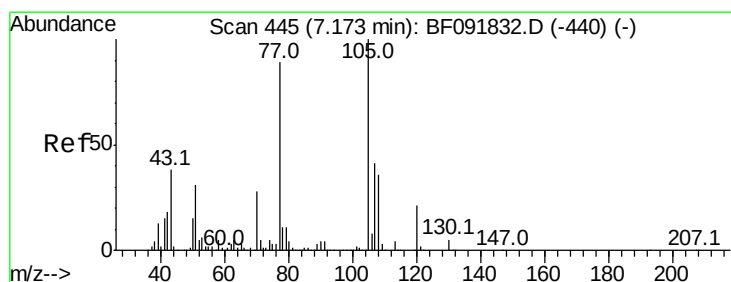
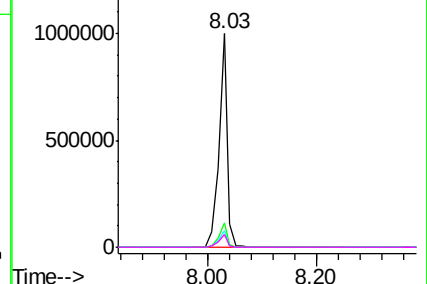
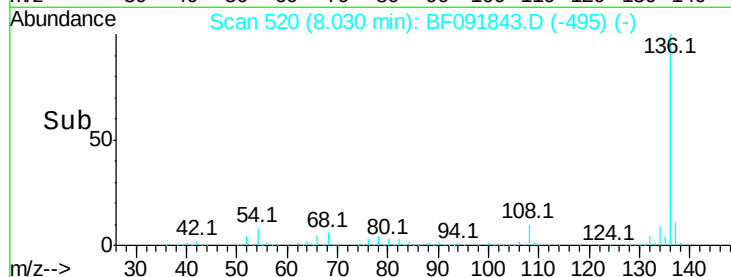


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.84 ng

RT: 7.15 min Scan# 443

Delta R.T. -0.02 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:105 Resp: 22375

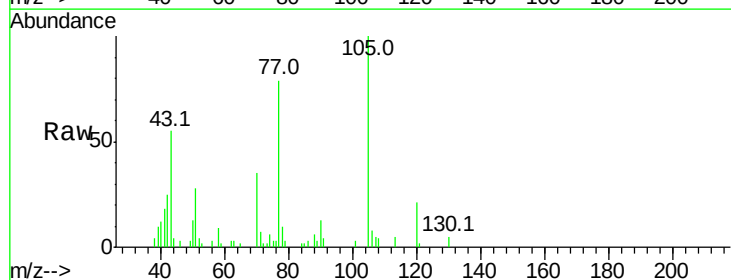
Ion Ratio Lower Upper

105 100

71 7.2 3.2 4.8#

51 27.7 26.2 39.4

120 21.2 16.6 24.8

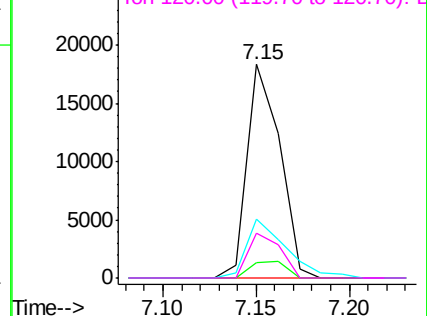
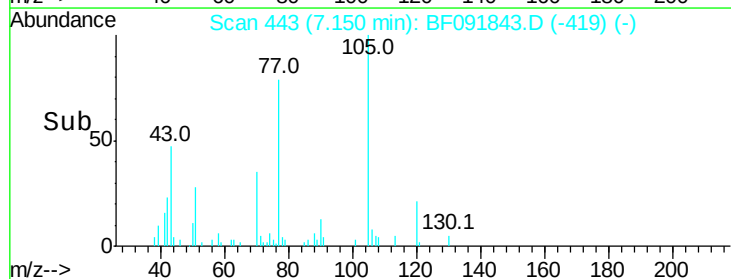


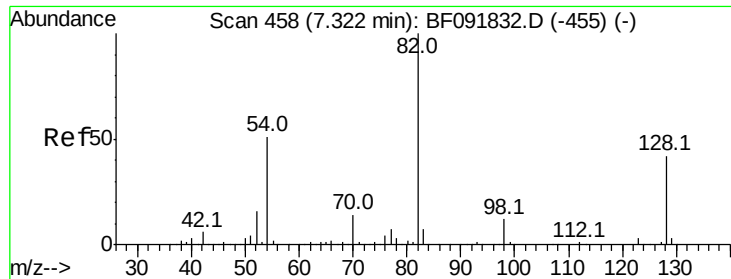
Abundance Ion 105.00 (104.70 to 105.70): E

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





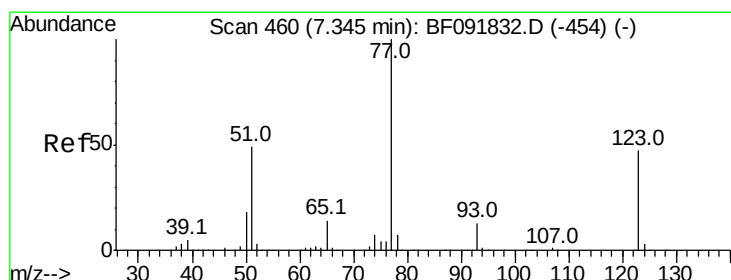
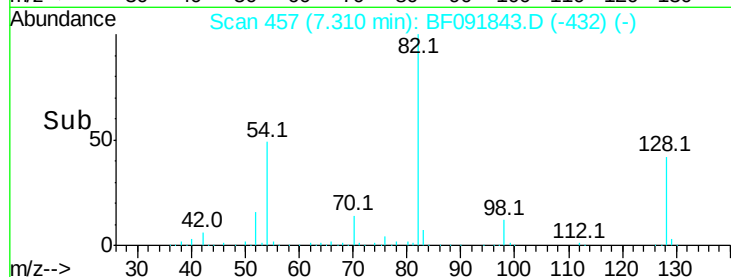
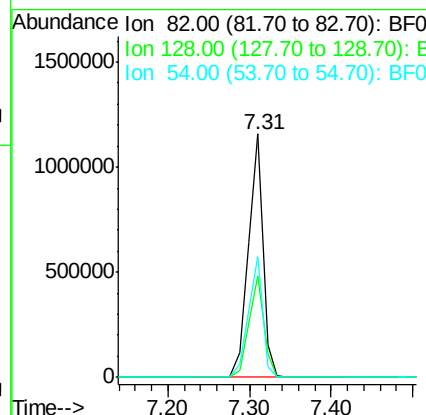
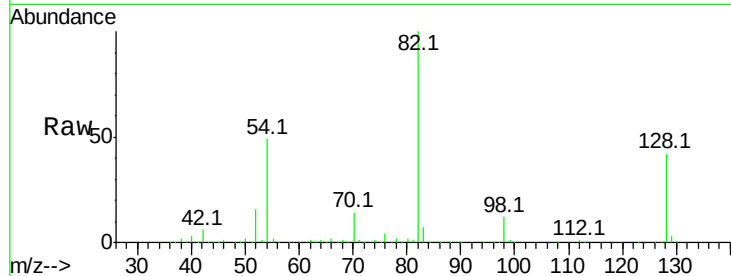
#23
 Nitrobenzene-d5
 Concen: 74.10 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: BF091843.D
 Acq: 21 Dec 2016 19:45

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.5	34.6	52.0
54	49.5	39.5	59.3

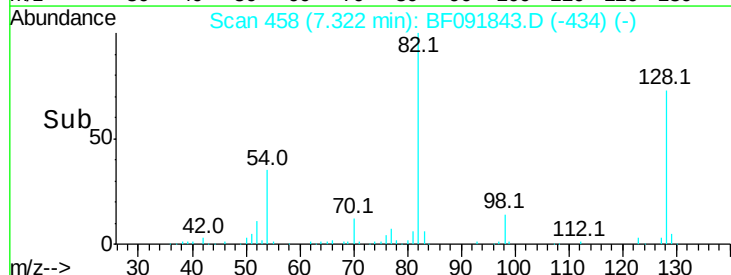
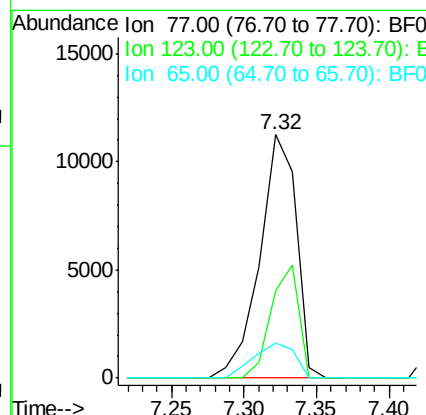
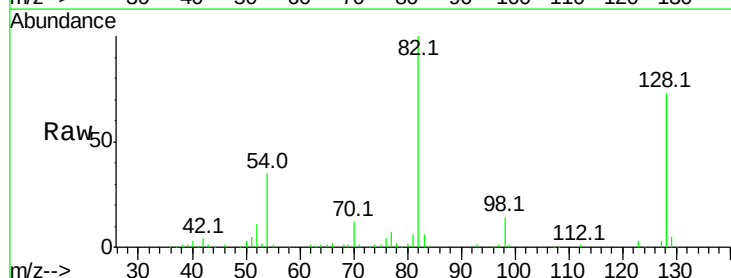
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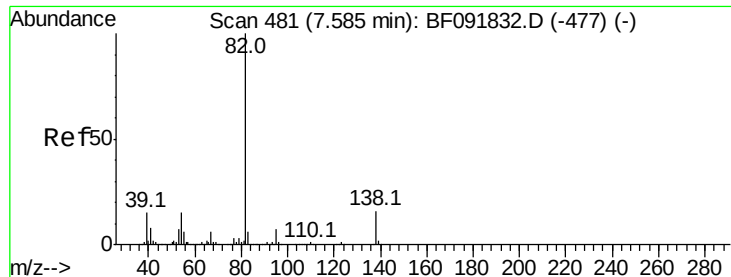
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#24
 Nitrobenzene
 Concen: 0.95 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF091843.D
 Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Lower	Upper
77	100		
123	35.8	33.0	49.4
65	14.5	11.2	16.8





#25

Isophorone

Concen: 0.77 ng/mL

RT: 7.56 min Scan# 479

Delta R.T. -0.02 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

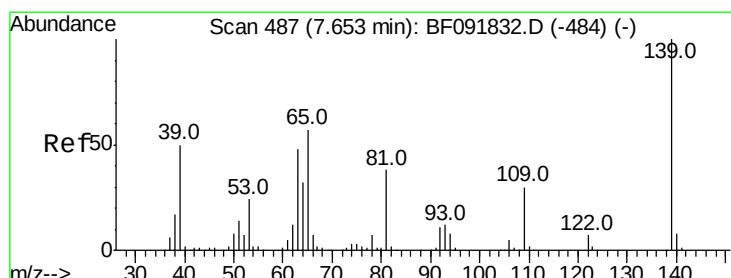
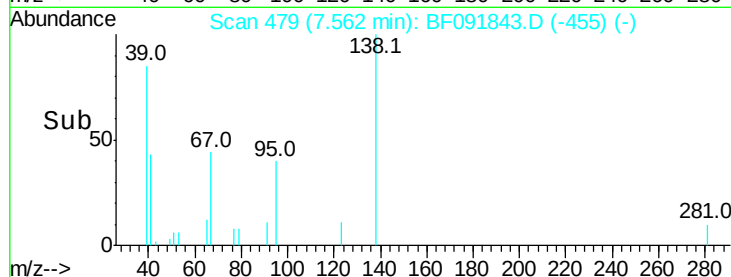
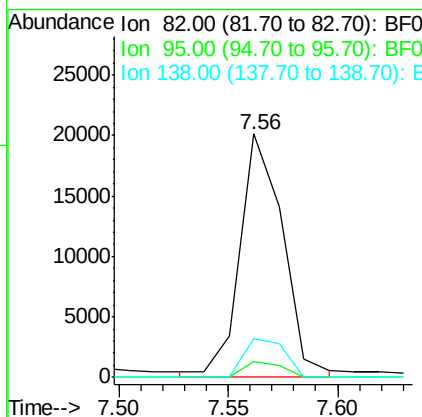
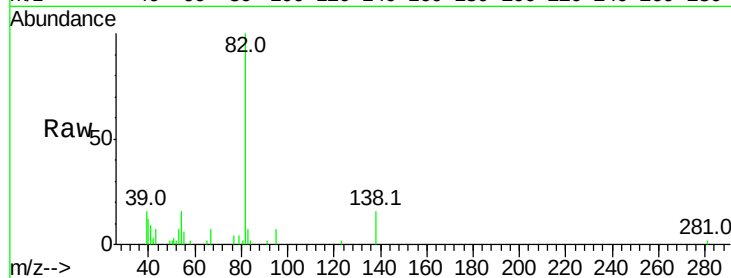
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	82	Resp:	27583
Ion Ratio	Lower	Upper	
82	100		
95	6.5	5.6	8.4
138	16.2	14.6	22.0

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#26

2-Nitrophenol

Concen: 0.69 ng/mL

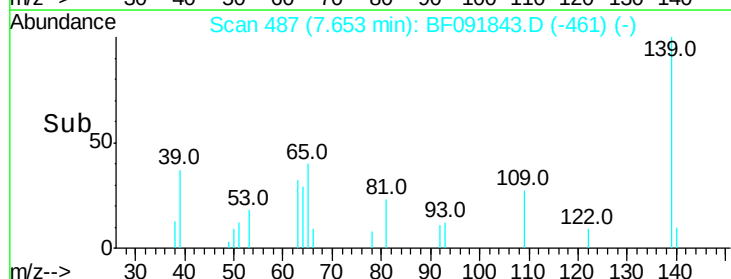
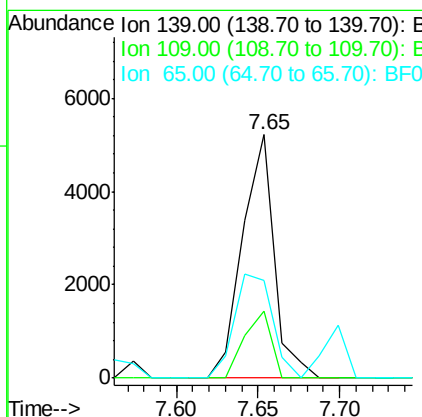
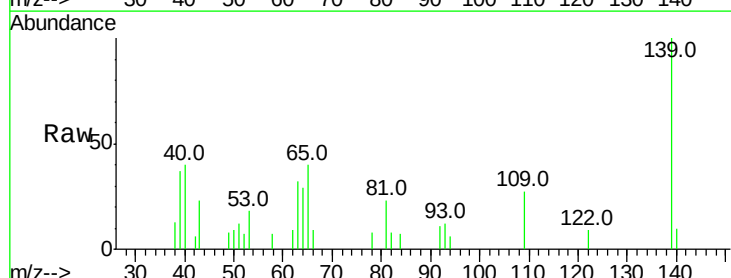
RT: 7.65 min Scan# 487

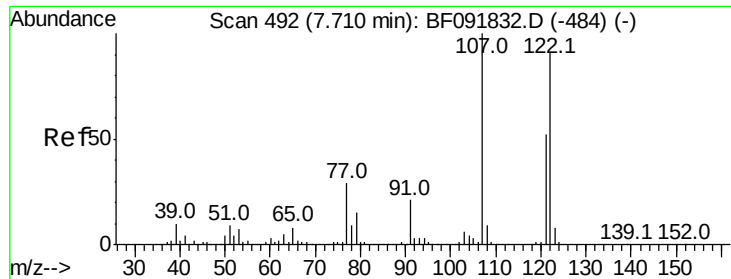
Delta R.T. 0.00 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:	139	Resp:	7023
Ion Ratio	Lower	Upper	
139	100		
109	27.3	23.3	34.9
65	40.0	42.7	64.1#





#27

2,4-Dimethylphenol

Concen: 0.80 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

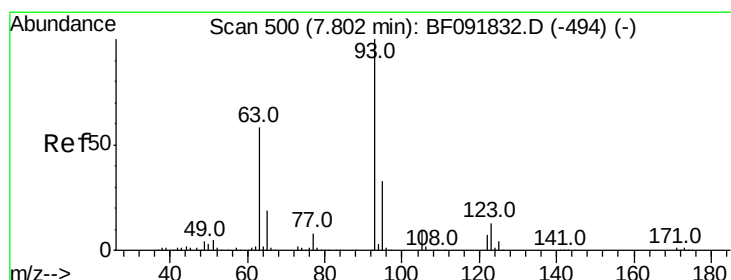
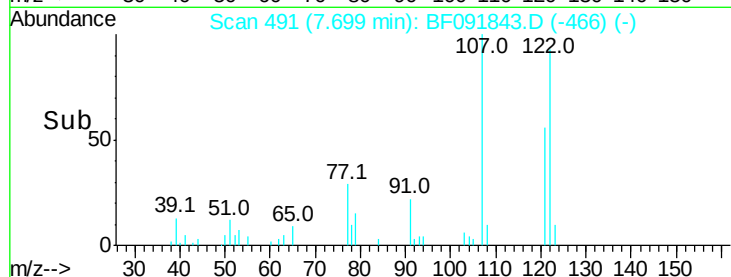
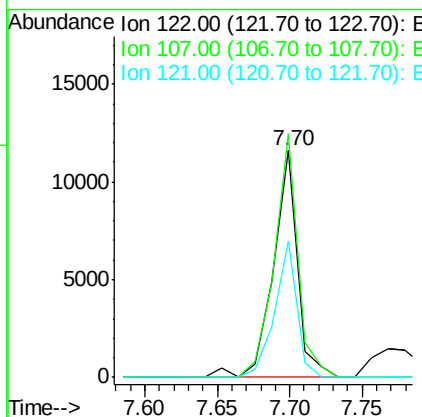
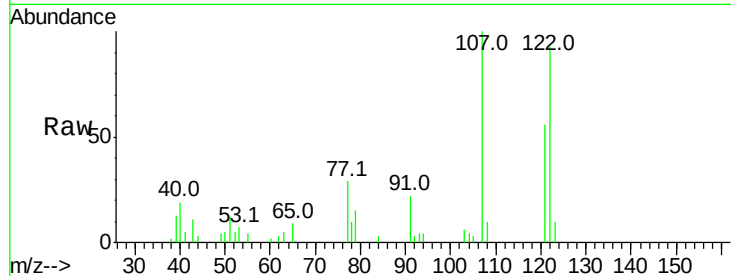
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	122	Resp:	13423
Ion Ratio	Lower	Upper	
122	100		
107	107.5	94.1	141.1
121	60.0	46.0	69.0

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#28

bis(2-Chloroethoxy)methane

Concen: 0.80 ng

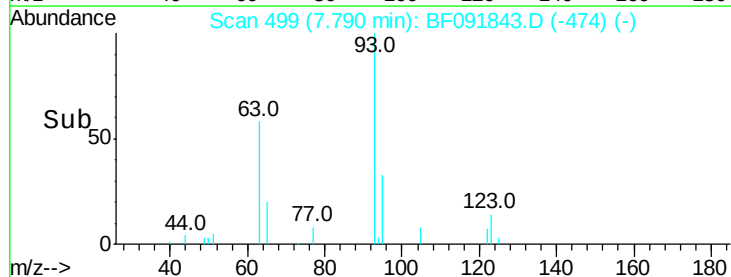
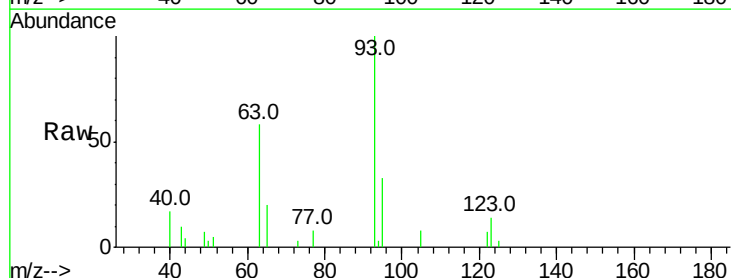
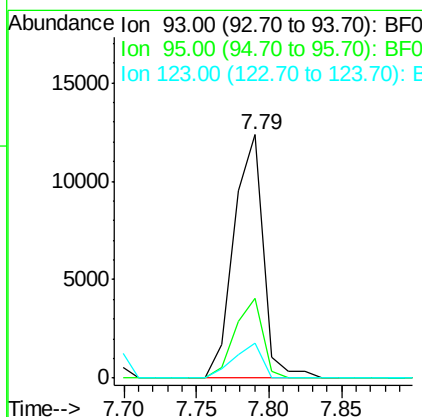
RT: 7.79 min Scan# 499

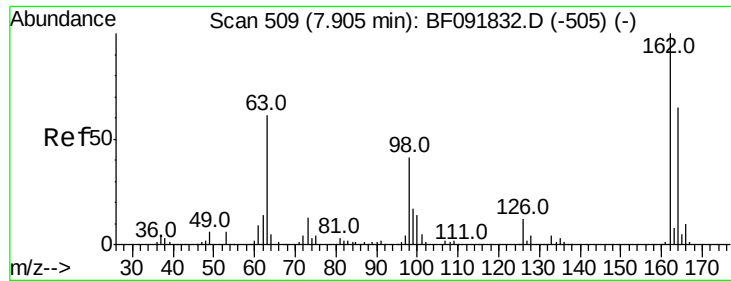
Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:	93	Resp:	17388
Ion Ratio	Lower	Upper	
93	100		
95	32.6	26.5	39.7
123	14.4	8.6	13.0#





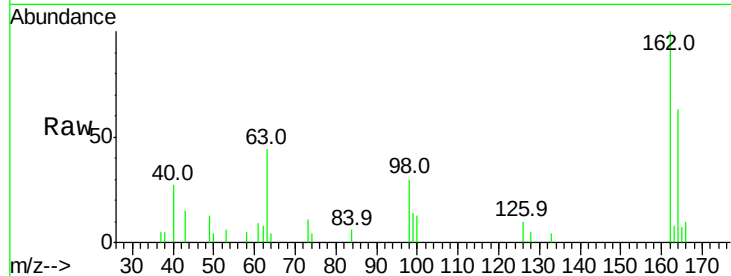
#29
 2,4-Dichlorophenol
 Concen: 0.79 ng
 RT: 7.90 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: BF091843.D
 Acq: 21 Dec 2016 19:45

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

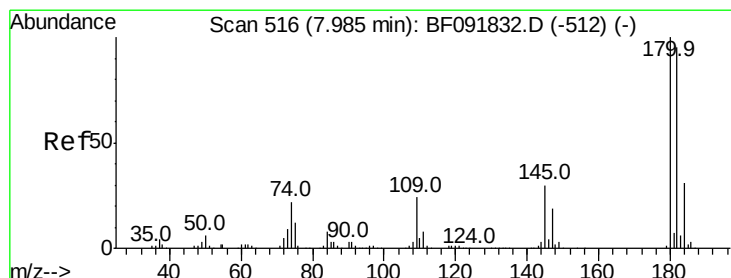
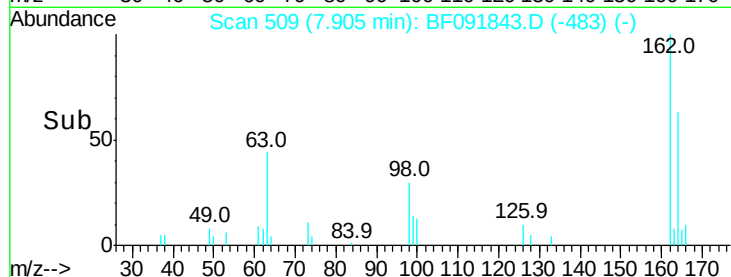
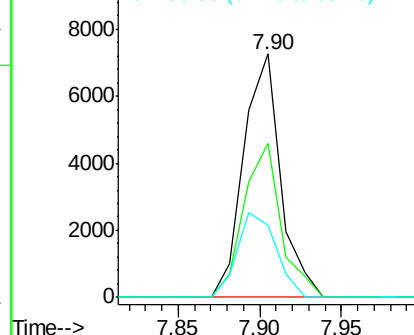
Tot Ion:	162	Resp:	11335
Ion Ratio	Lower	Upper	
162	100		
164	63.3	46.8	86.8
98	29.8	9.1	49.1

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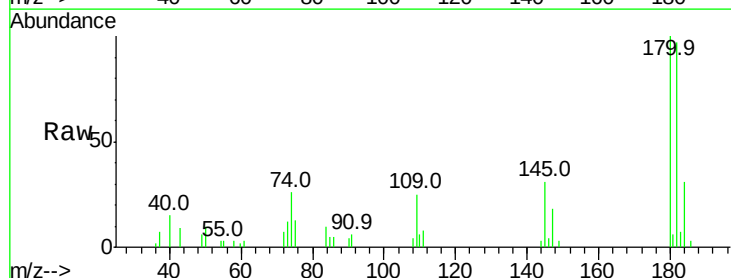


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): E

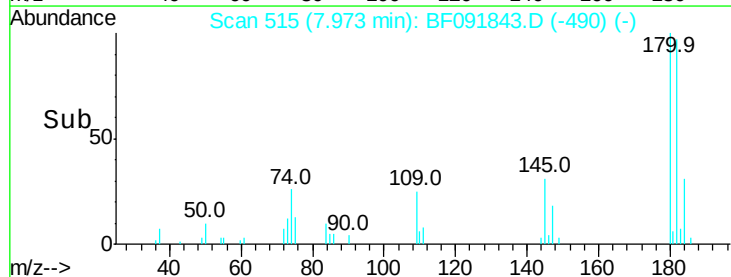
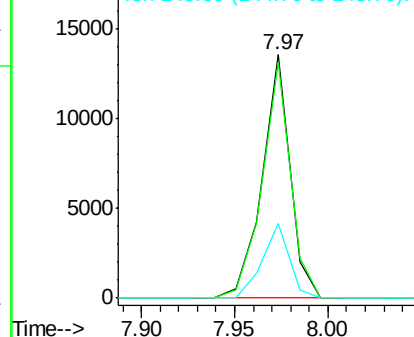


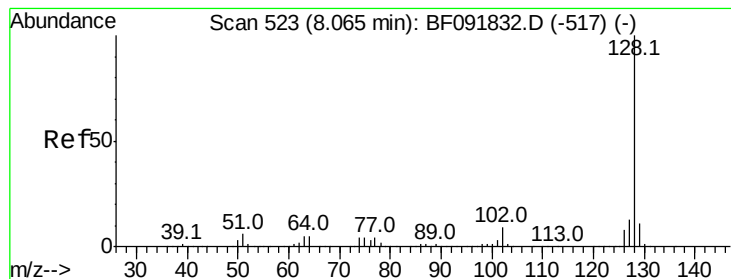
#30
 1,2,4-Trichlorobenzene
 Concen: 0.89 ng
 RT: 7.97 min Scan# 515
 Delta R.T. -0.01 min
 Lab File: BF091843.D
 Acq: 21 Dec 2016 19:45

Tgt Ion:	180	Resp:	13969
Ion Ratio	Lower	Upper	
180	100		
182	96.8	78.2	117.4
145	30.7	21.6	32.4



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





#31

Naphthalene

Concen: 0.99 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

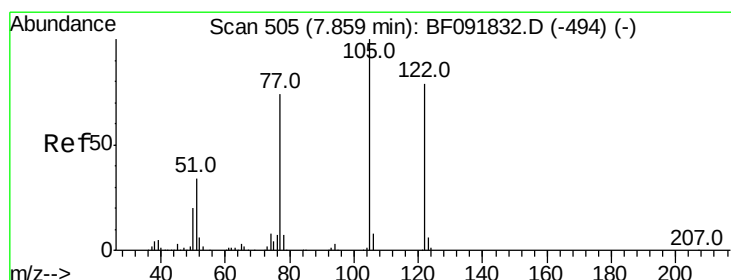
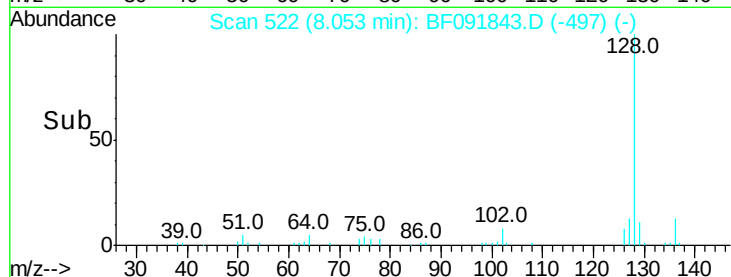
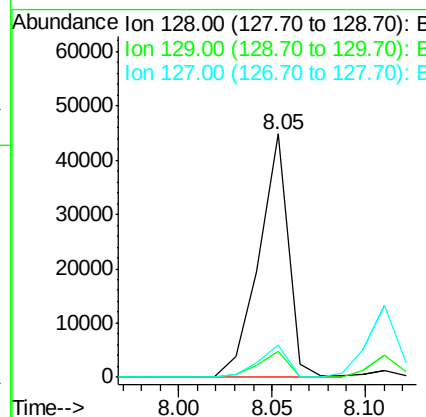
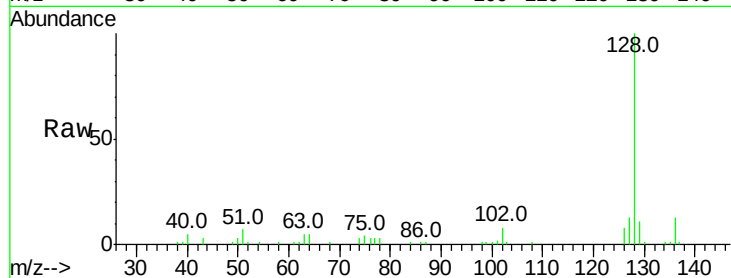
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:128	Resp:	48837
Ion Ratio	Lower	Upper
128 100		
129 10.5	9.5	14.3
127 13.1	10.8	16.2

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#32

Benzoic acid

Concen: 0.43 ng

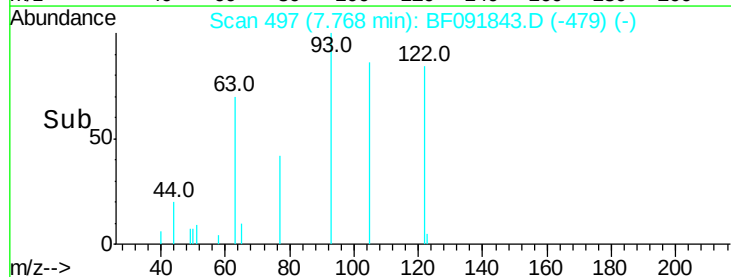
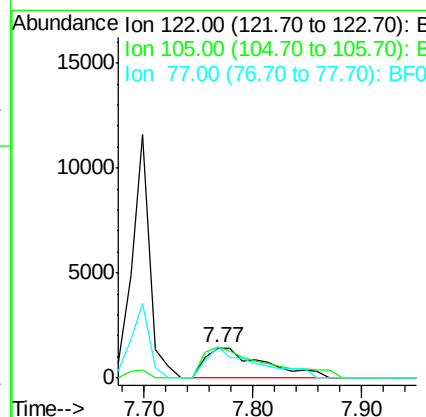
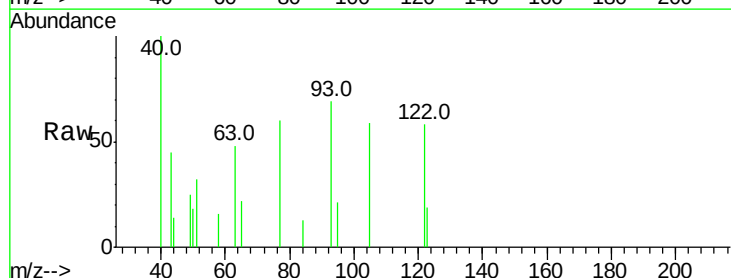
RT: 7.77 min Scan# 497

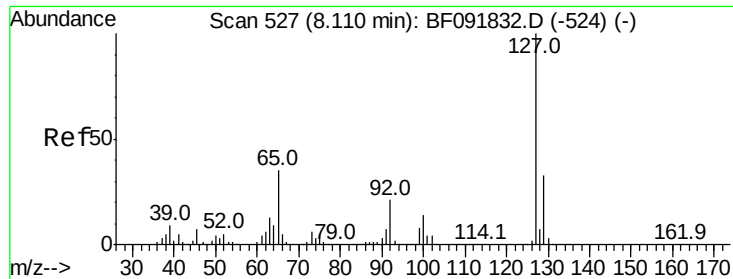
Delta R.T. -0.09 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:122	Resp:	5336
Ion Ratio	Lower	Upper
122 100		
105 102.0	107.2	147.2#
77 103.8	74.5	114.5





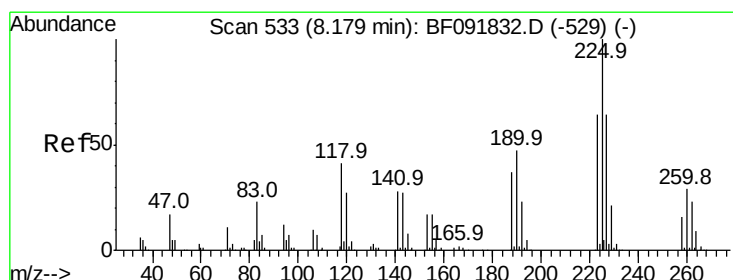
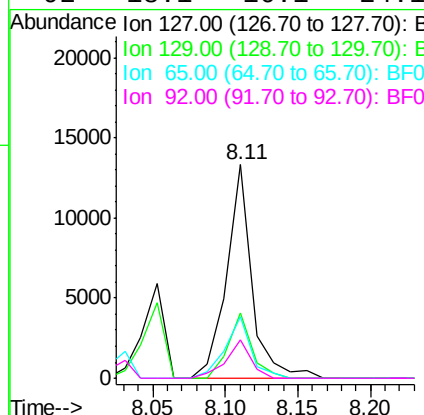
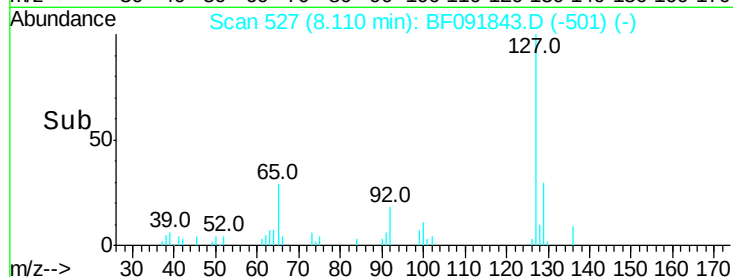
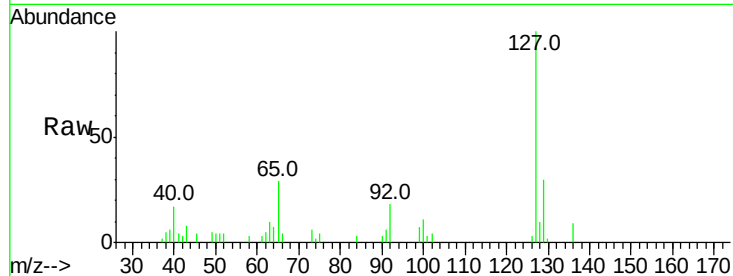
#33
4-Chloroaniline
Concen: 0.73 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	30.3	26.3	39.5		
65	28.9	25.8	38.8		
92	18.1	16.1	24.1		

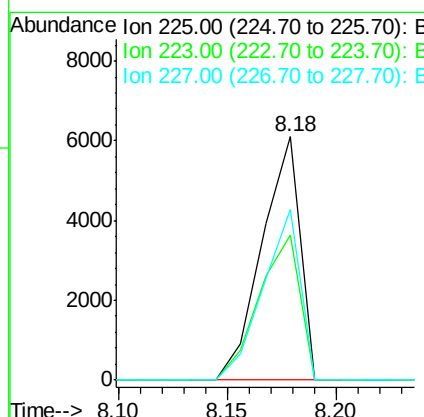
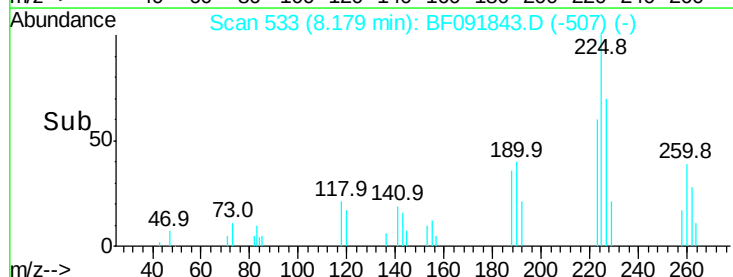
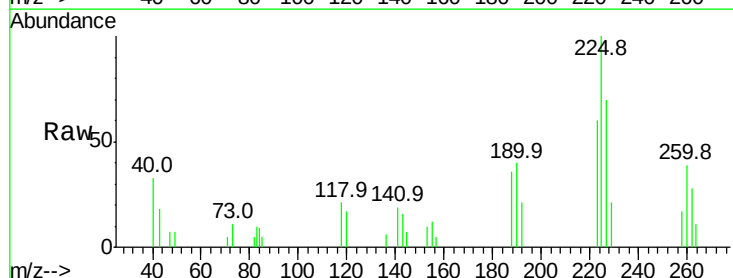
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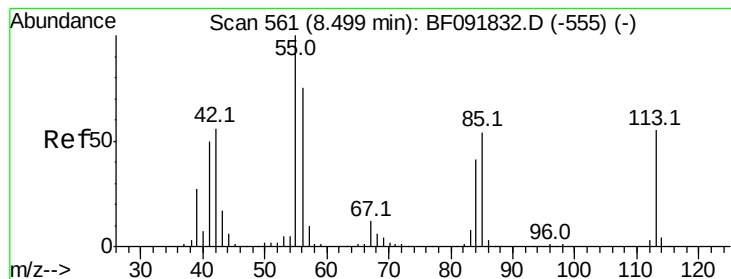
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#34
Hexachlorobutadiene
Concen: 0.91 ng
RT: 8.18 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	59.7	51.0	76.6		
227	70.0	50.6	76.0		





#35

Caprolactam

Concen: 0.60 ng

RT: 8.43 min Scan# 555

Delta R.T. -0.07 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:113 Resp: 2800

Ion Ratio Lower Upper

113 100

55 187.0 119.2 159.2#

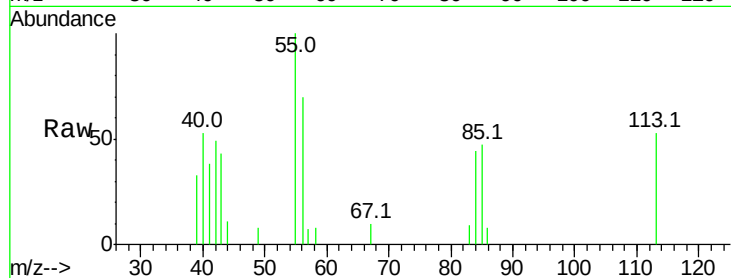
56 130.8 83.8 123.8#

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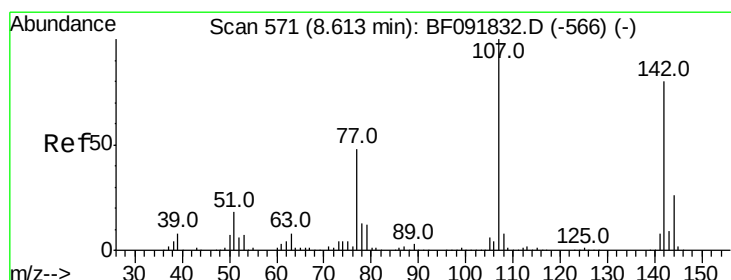
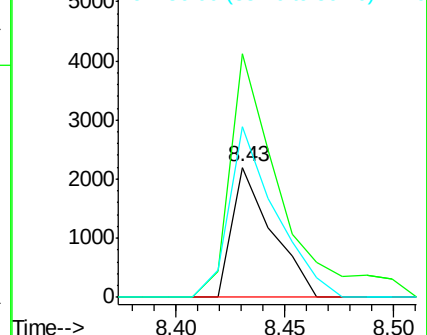
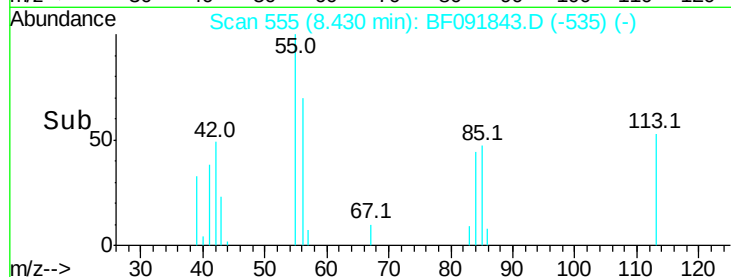
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 0.74 ng

RT: 8.59 min Scan# 569

Delta R.T. -0.02 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

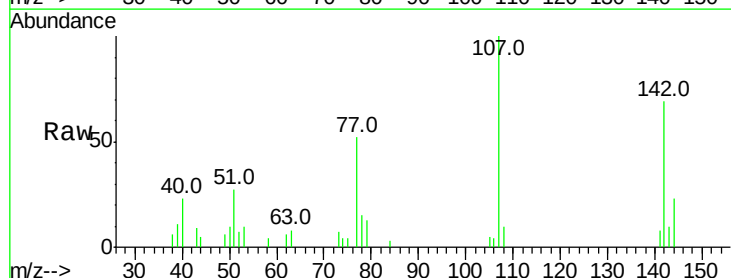
Tgt Ion:107 Resp: 12175

Ion Ratio Lower Upper

107 100

144 22.8 19.3 28.9

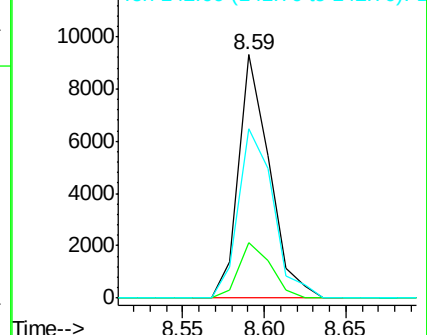
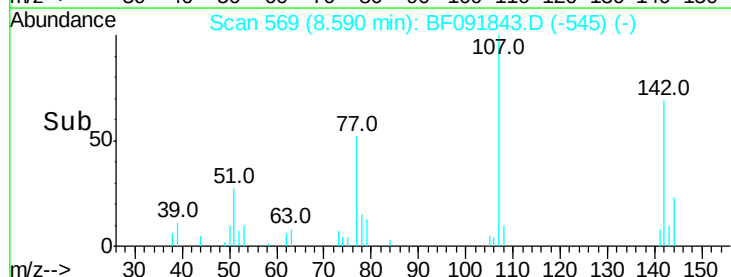
142 69.4 59.0 88.6

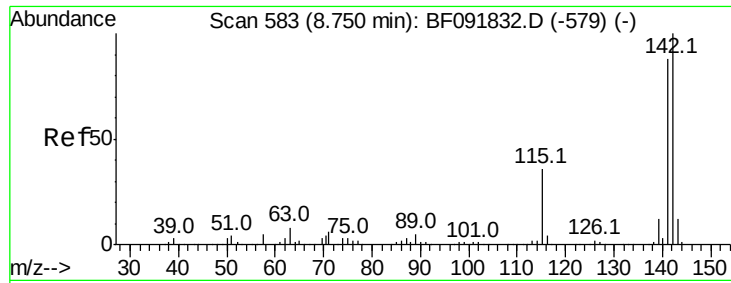


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





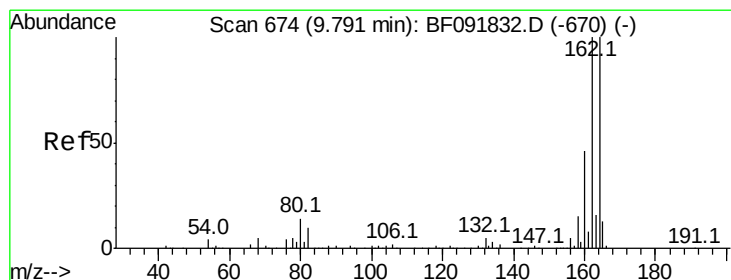
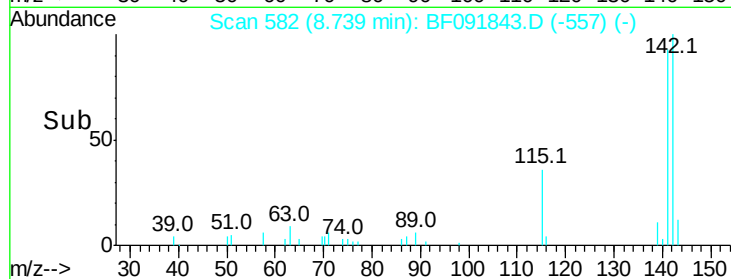
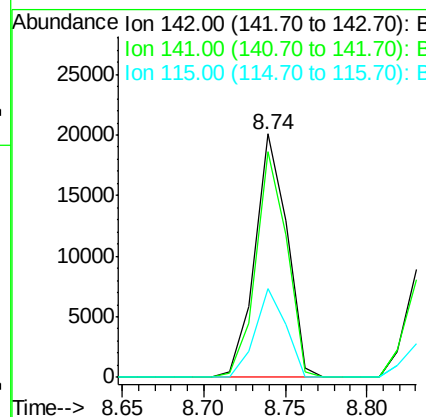
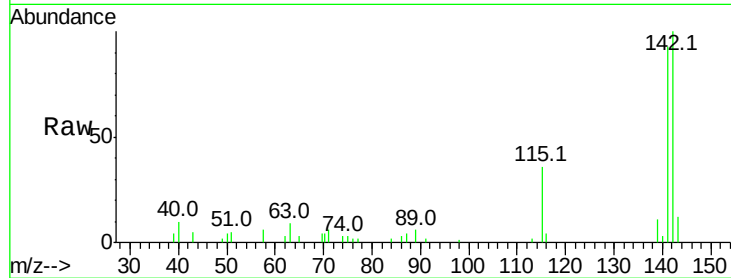
#37
 2-Methylnaphthalene
 Concen: 0.32 ng
 RT: 8.74 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: BF091843.D
 Acq: 21 Dec 2016 19:45

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.6	71.0	106.6
115	36.4	28.3	42.5

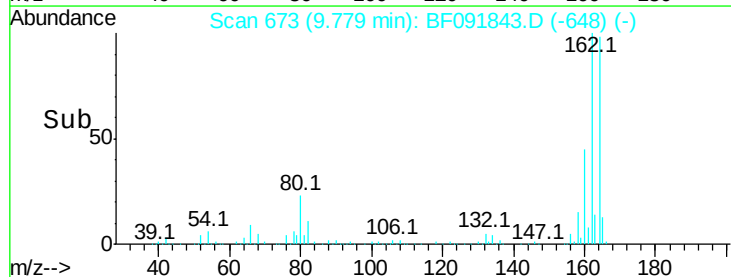
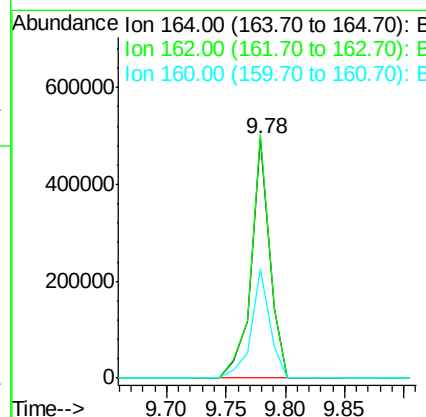
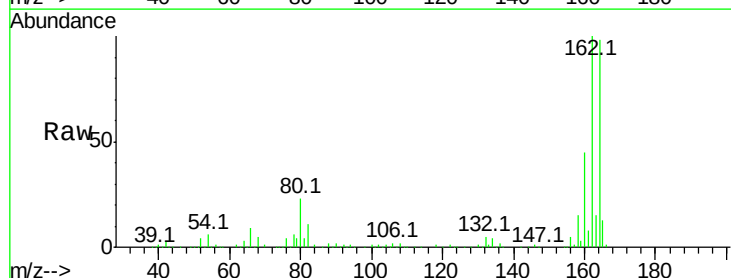
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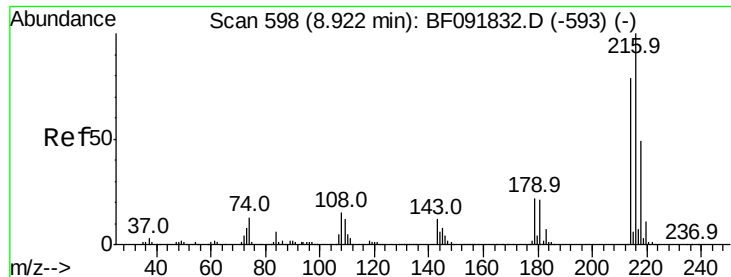
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: BF091843.D
 Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.2	120.2
160	45.4	36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.98 ng

RT: 8.91 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

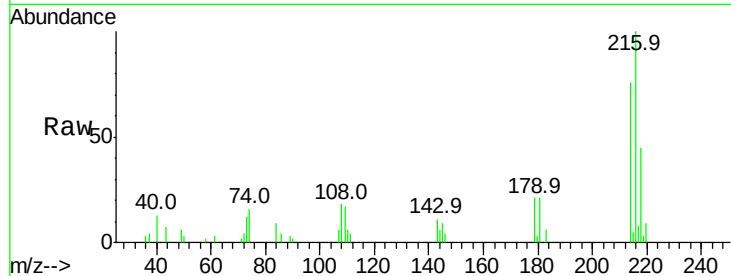
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Resp	Lower	Upper
216	100	13522		
214	80.2		63.4	95.0
179	20.0		17.4	26.2
108	16.5		15.6	23.4

Manual Integrations
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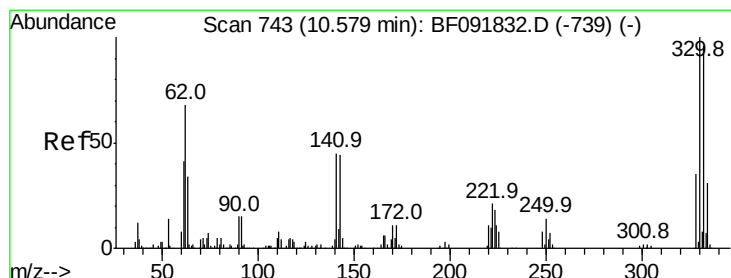
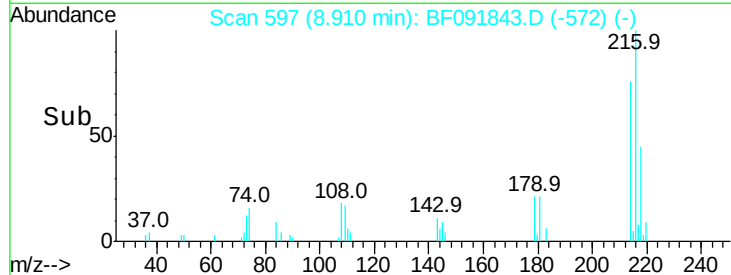
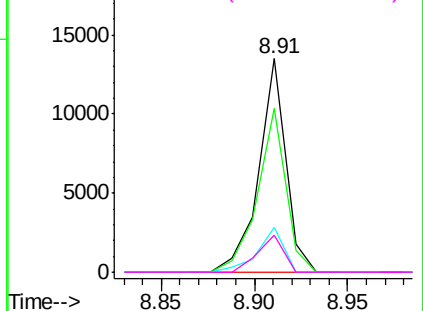
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#41

2,4,6-Tribromophenol

Concen: 132.70 ng

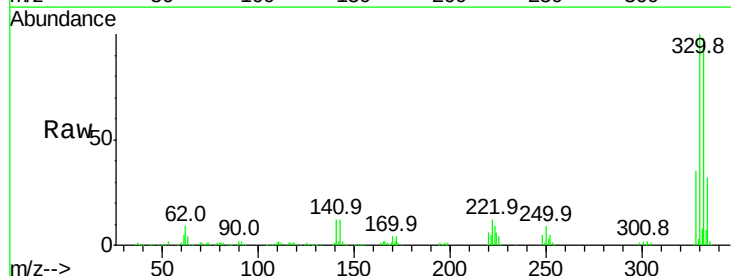
RT: 10.58 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	597810		
332	97.4		77.4	116.2
141	31.7		34.1	51.1#

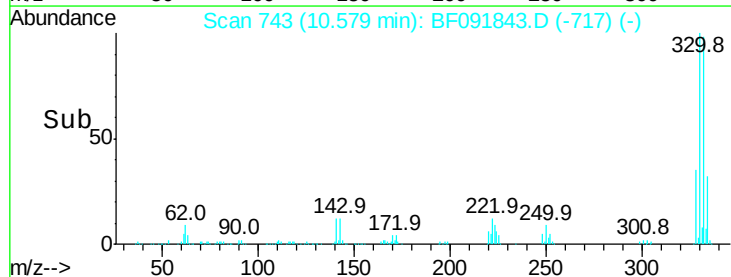
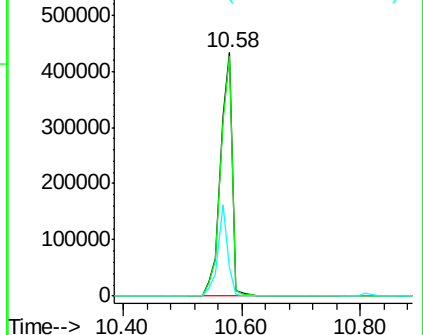


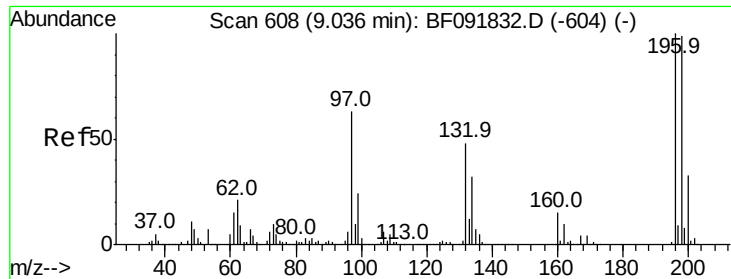
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





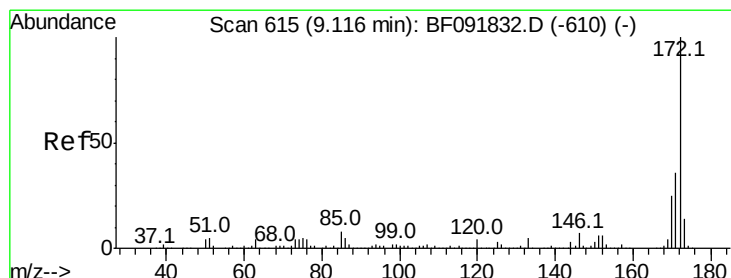
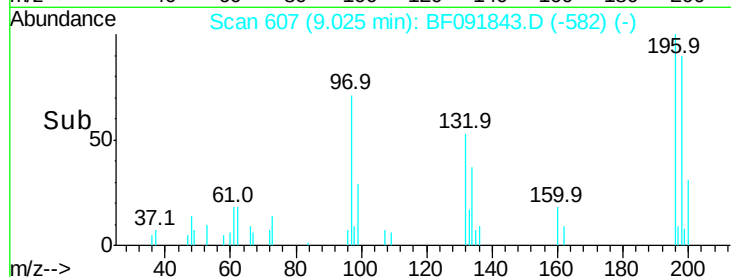
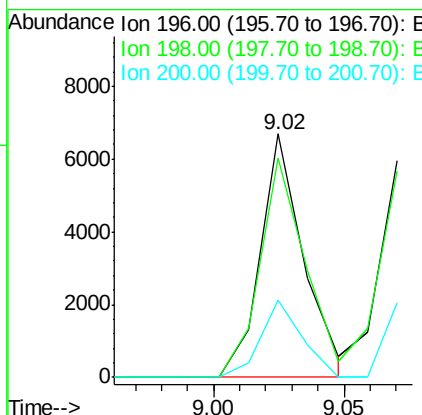
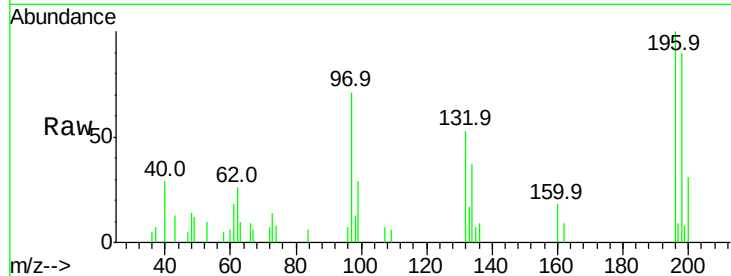
#42
 2,4,6-Trichlorophenol
 Concen: 0.81 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: BF091843.D
 Acq: 21 Dec 2016 19:45

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
196	100		
198	89.9	82.1	123.1
200	31.5	27.0	40.4

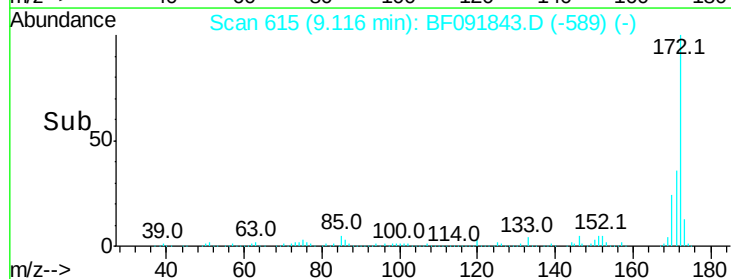
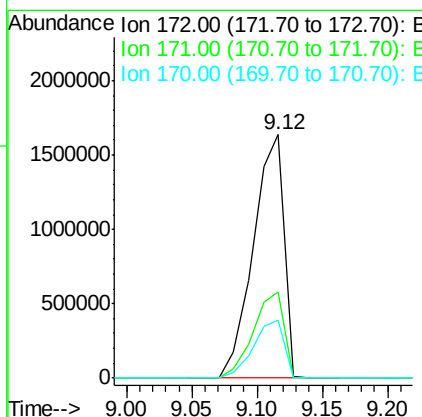
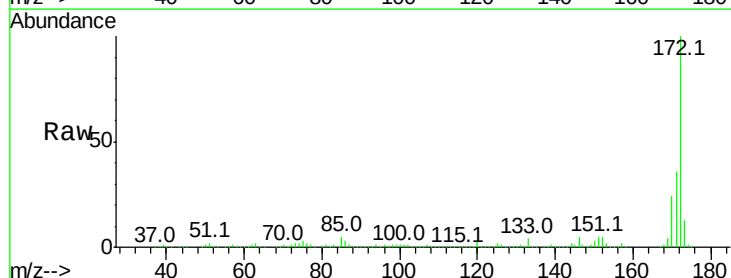
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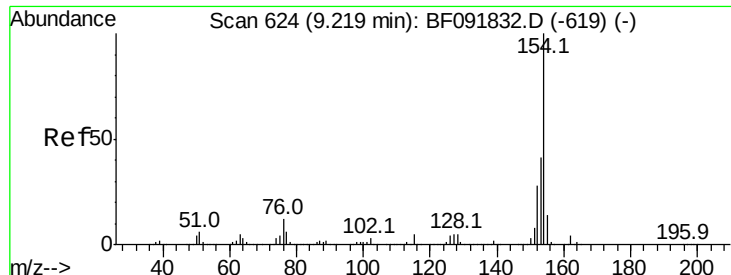
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#44
 2-Fluorobiphenyl
 Concen: 104.18 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091843.D
 Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	24.0	20.2	30.4





#45

1,1'-Biphenyl

Concen: 1.21 ng

RT: 9.21 min Scan# 623

Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

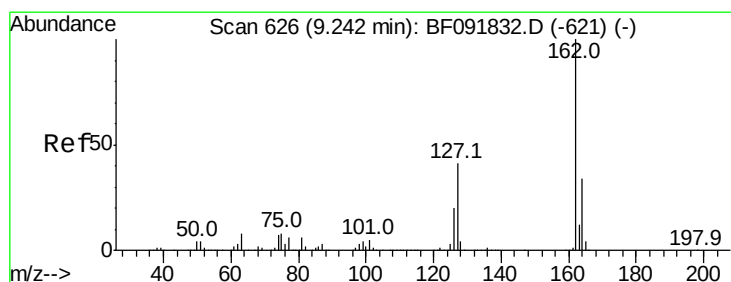
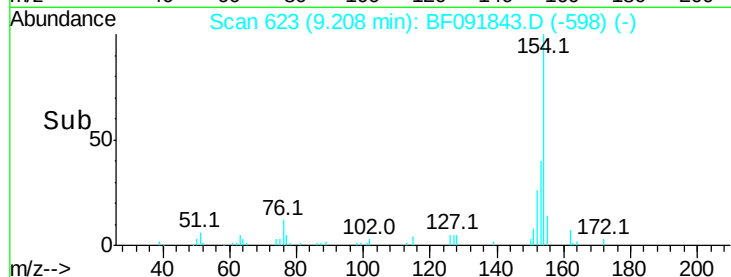
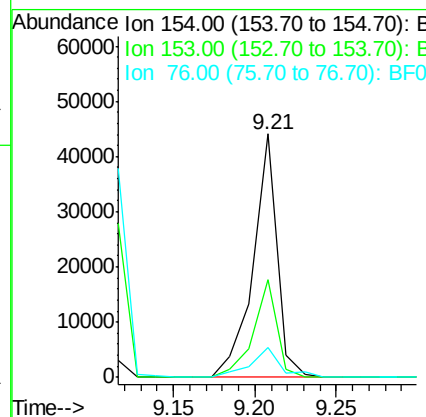
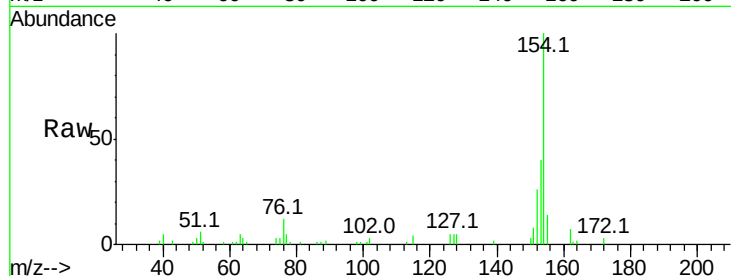
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	154	Resp:	44958
Ion Ratio	Lower	Upper	
154	100		
153	40.3	20.9	60.9
76	12.4	0.0	30.5

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#46

2-Chloronaphthalene

Concen: 1.00 ng

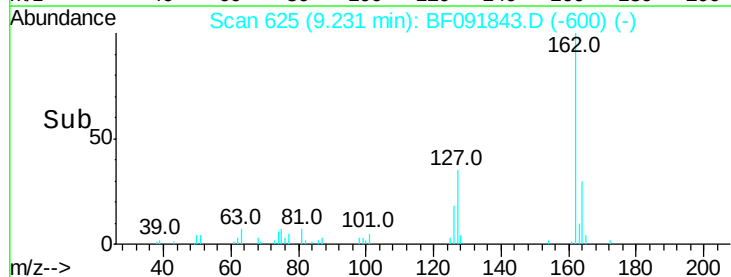
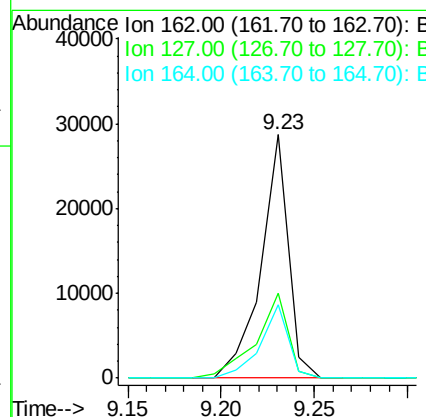
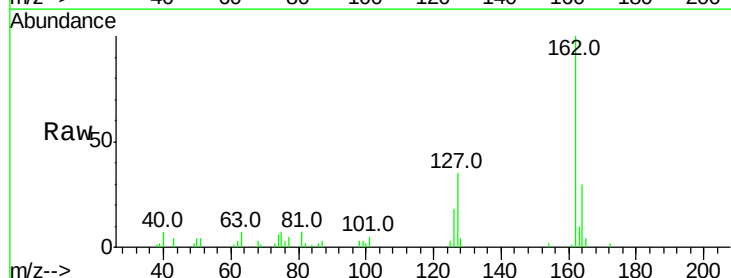
RT: 9.23 min Scan# 625

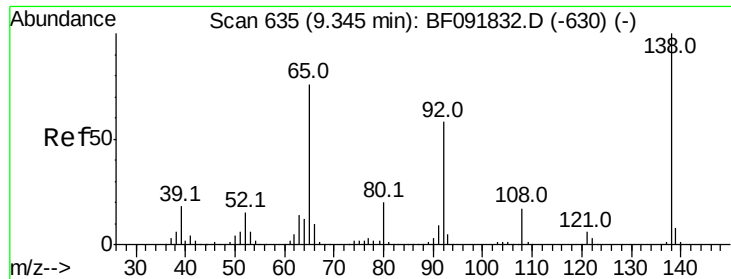
Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:	162	Resp:	29588
Ion Ratio	Lower	Upper	
162	100		
127	35.0	30.7	46.1
164	30.0	27.6	41.4





#47

2-Nitroaniline

Concen: 0.73 ng

RT: 9.33 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

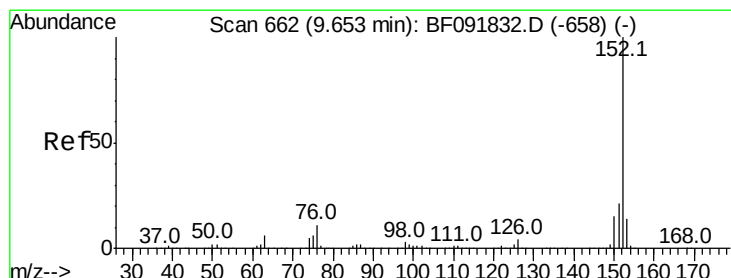
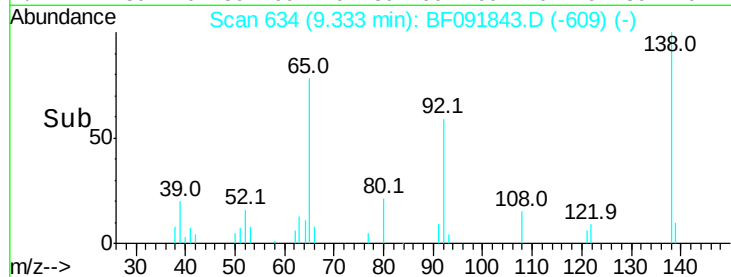
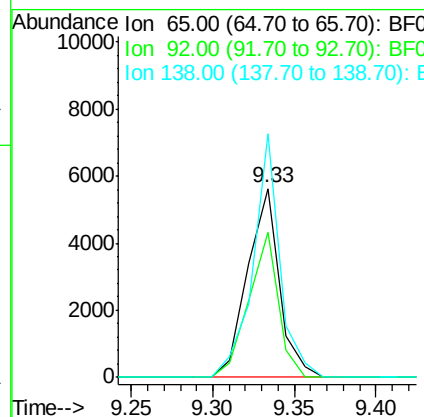
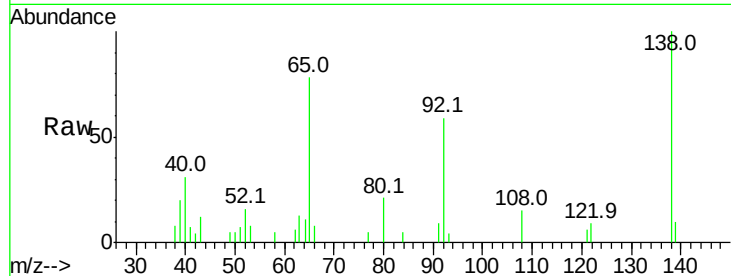
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	65	Resp:	7621
Ion Ratio	Lower	Upper	
65	100		
92	76.4	53.9	80.9
138	128.7	76.8	115.2#

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#48

Acenaphthylene

Concen: 1.02 ng

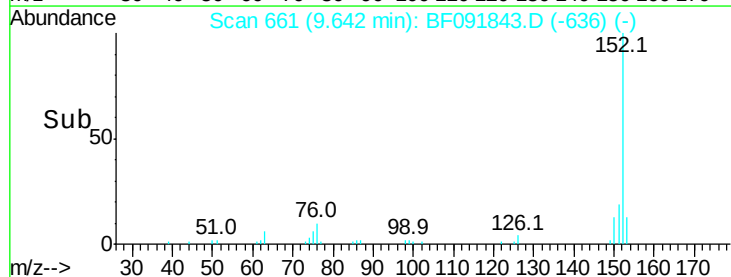
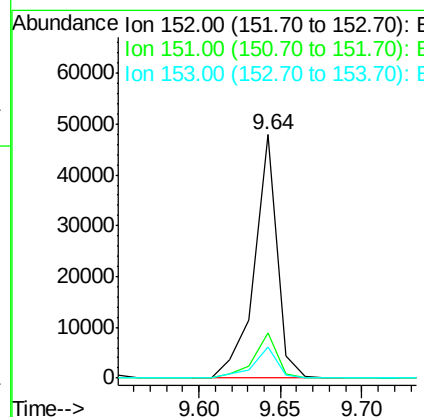
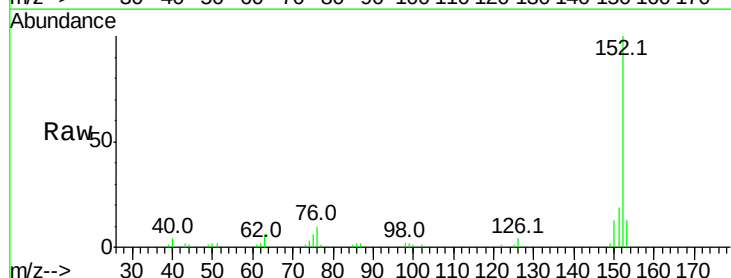
RT: 9.64 min Scan# 661

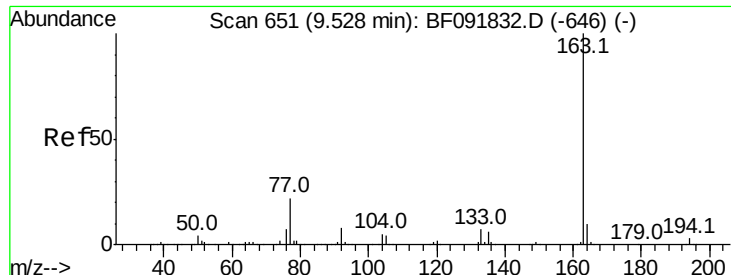
Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:	152	Resp:	46336
Ion Ratio	Lower	Upper	
152	100		
151	18.8	16.9	25.3
153	12.8	11.4	17.2





#49

Dimethylphthalate

Concen: 0.96 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.02 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

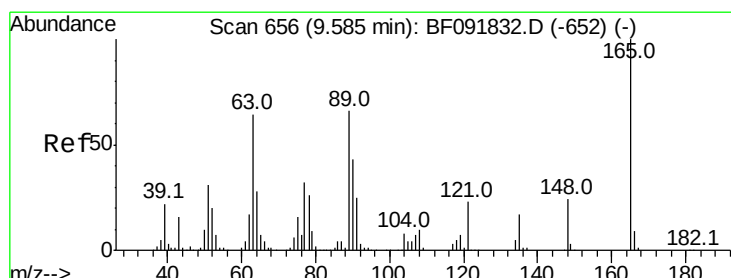
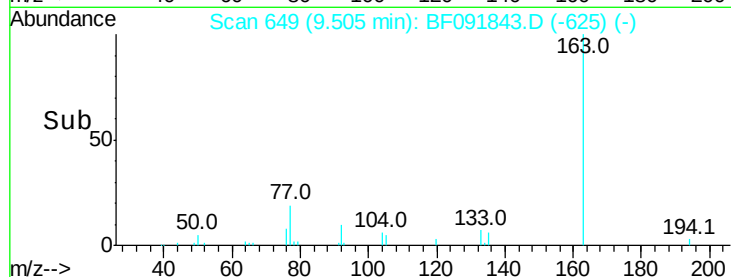
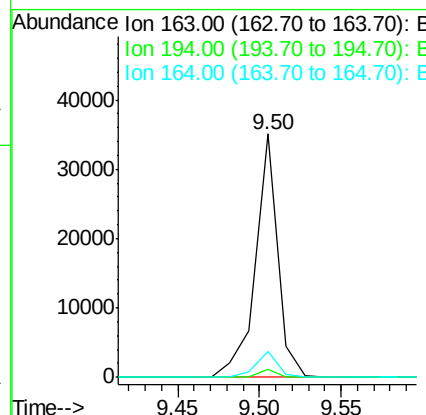
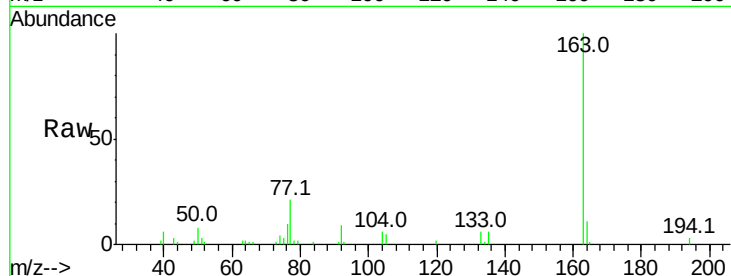
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	163	Resp:	33340
Ion Ratio	Lower	Upper	
163	100		
194	3.1	3.0	4.4
164	10.7	8.0	12.0

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#50

2,6-Dinitrotoluene

Concen: 0.79 ng

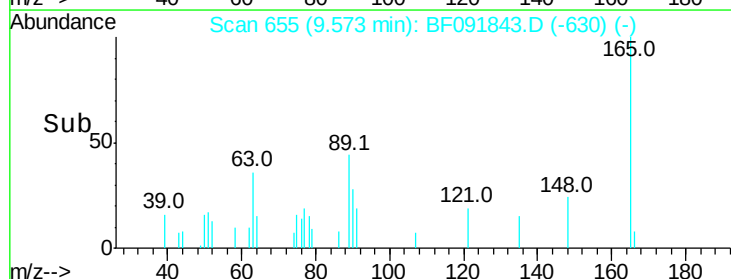
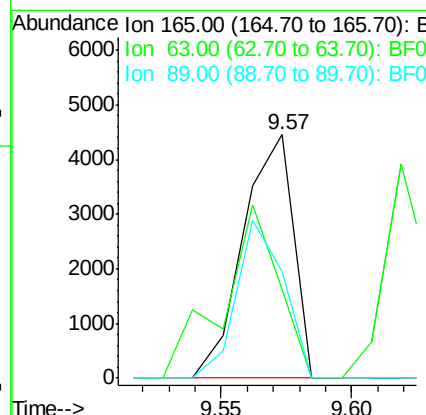
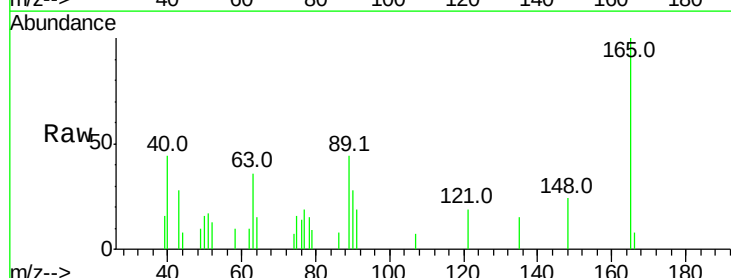
RT: 9.57 min Scan# 655

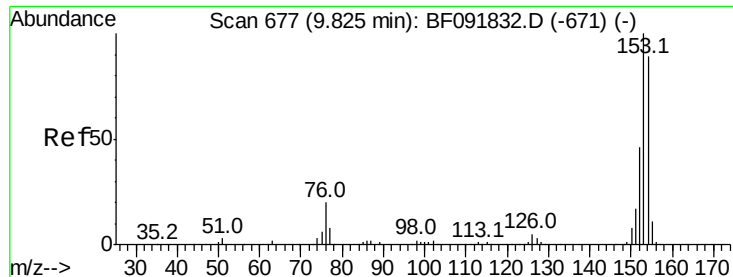
Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:	165	Resp:	6008
Ion Ratio	Lower	Upper	
165	100		
63	36.3	36.2	54.4
89	43.9	40.2	60.4





#51

Acenaphthene

Concen: 1.03 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

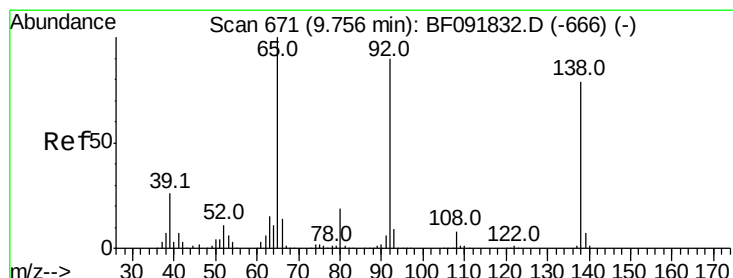
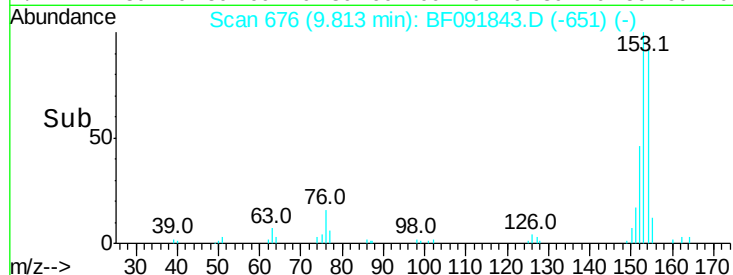
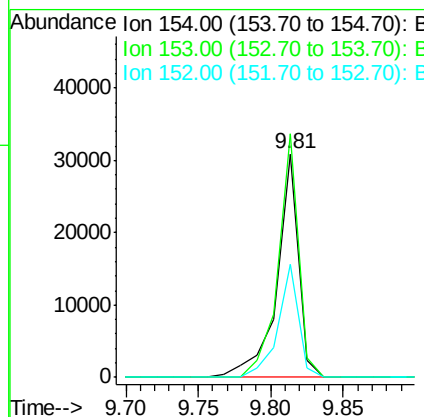
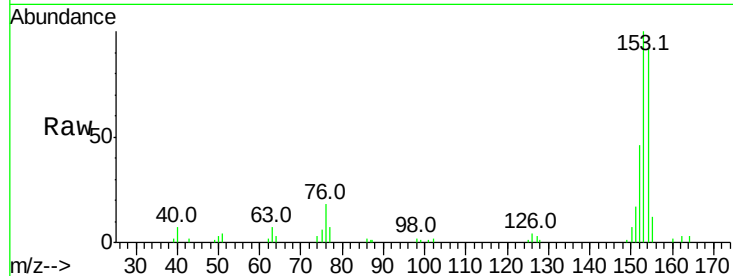
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	154	Resp:	31713
Ion Ratio	Lower	Upper	
154	100		
153	109.0	88.6	133.0
152	50.5	41.6	62.4

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#52

3-Nitroaniline

Concen: 0.69 ng

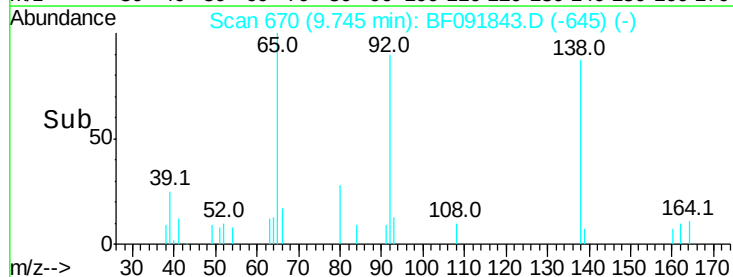
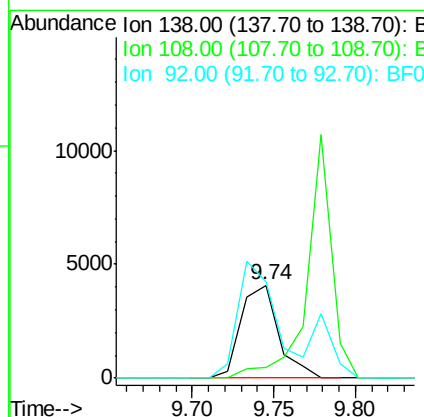
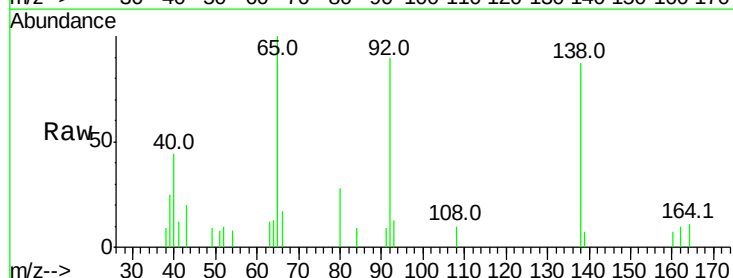
RT: 9.74 min Scan# 670

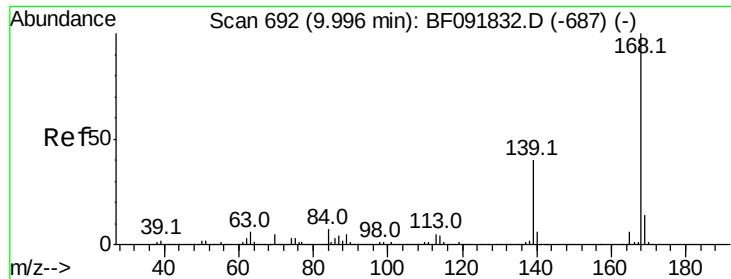
Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:	138	Resp:	6535
Ion Ratio	Lower	Upper	
138	100		
108	11.3	8.5	12.7
92	104.3	97.8	146.8





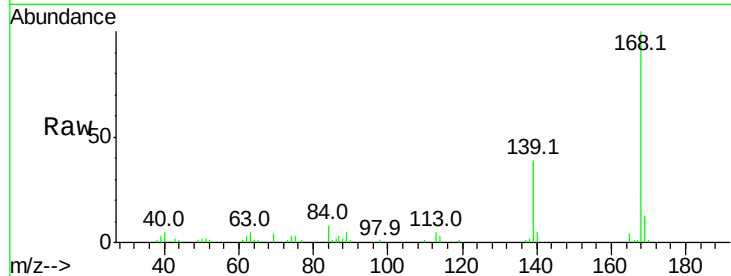
#54
Dibenzofuran
Concen: 1.00 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

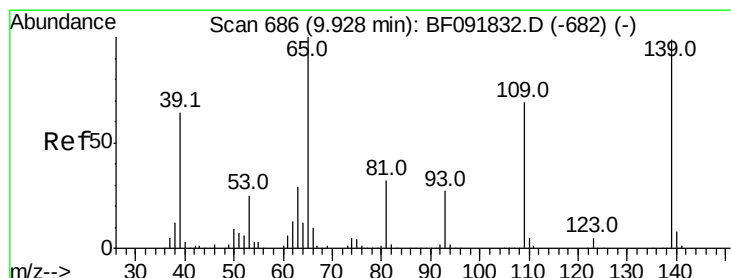
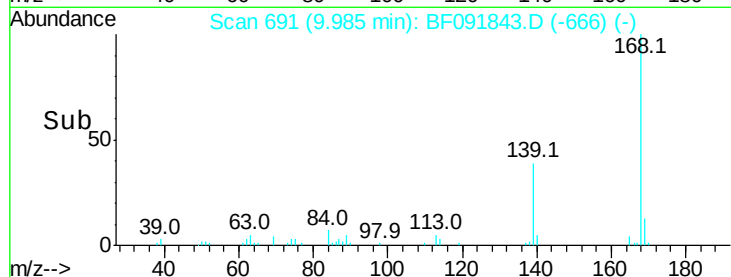
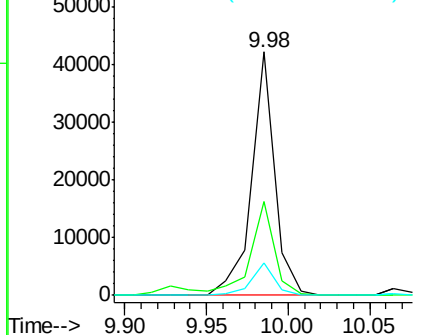
Tot Ion	Ratio	Lower	Upper
168	100		
139	38.7	32.6	49.0
169	13.3	11.3	16.9

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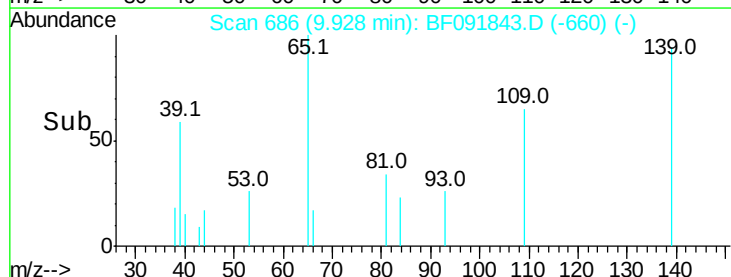
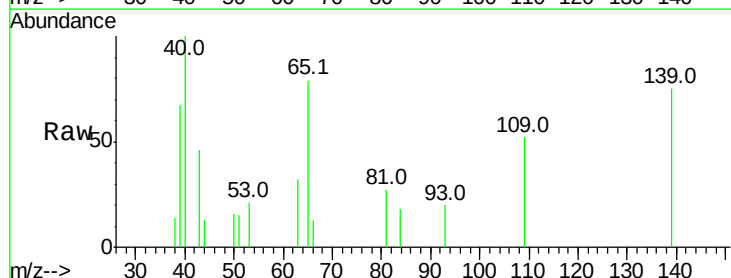
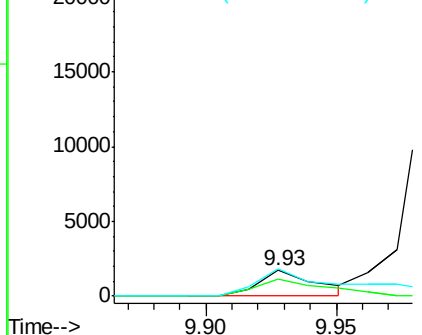
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

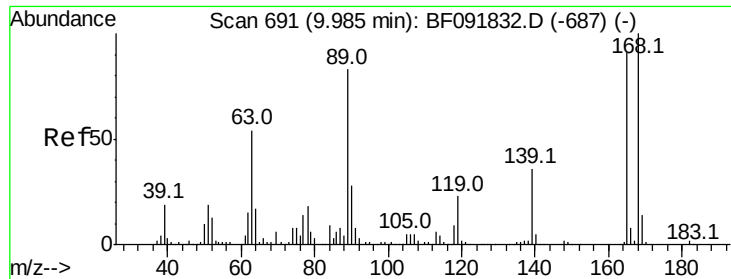


#55
4-Nitrophenol
Concen: 0.42 ng
RT: 9.93 min Scan# 686
Delta R.T. 0.00 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Lower	Upper
139	100		
109	69.0	52.2	92.2
65	106.0	85.8	125.8

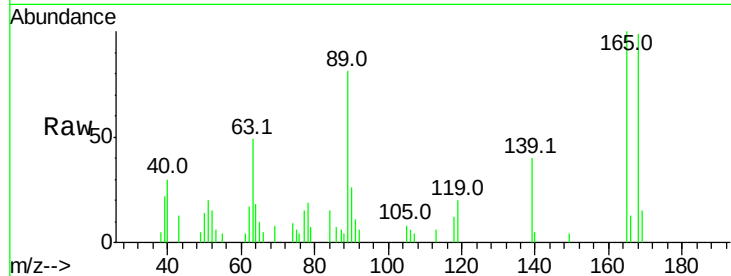
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#56
2,4-Dinitrotoluene
Concen: 0.79 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

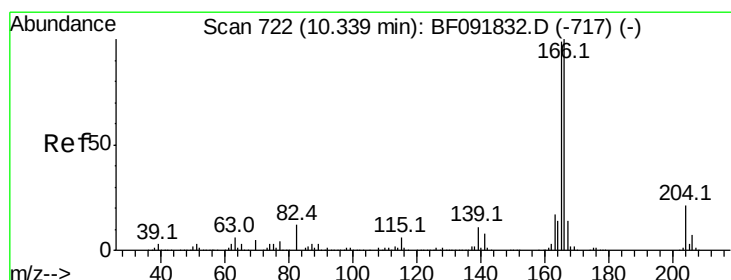
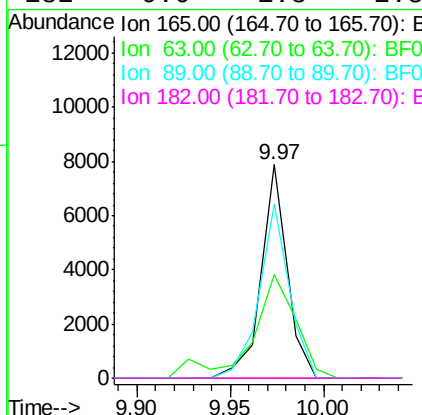
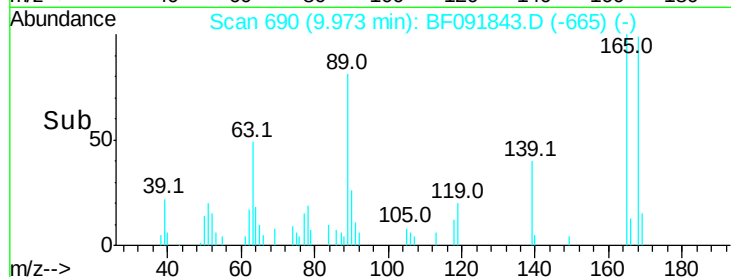
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017



Tot Ion	Ratio	Resp	Lower	Upper
165	100	7580		
63	48.5		40.2	60.4
89	81.3		62.5	93.7
182	0.0		1.8	2.8#

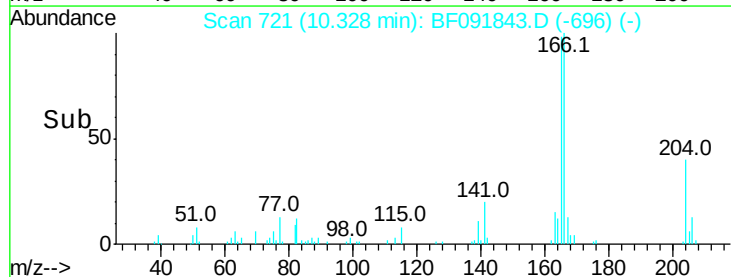
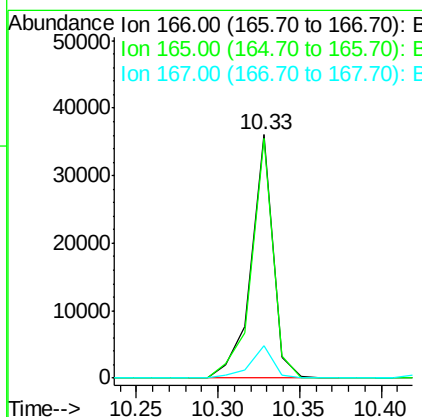
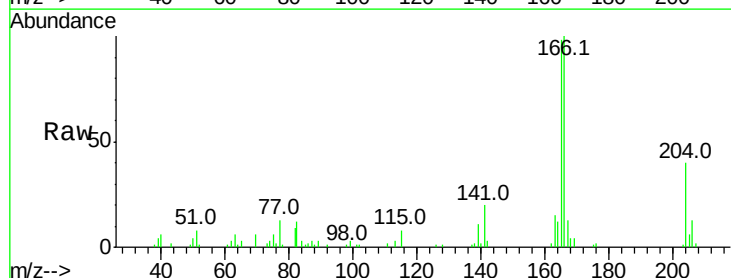
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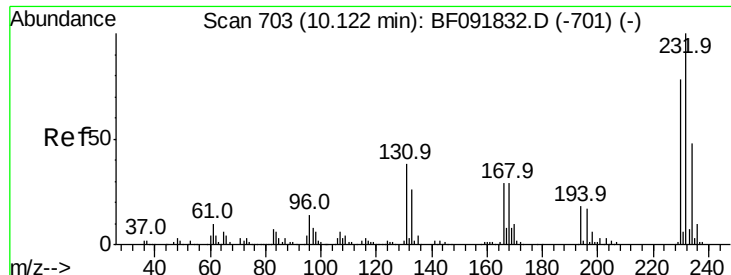
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#57
Fluorene
Concen: 1.11 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	33663		
165	98.3		77.8	116.8
167	13.2		10.8	16.2





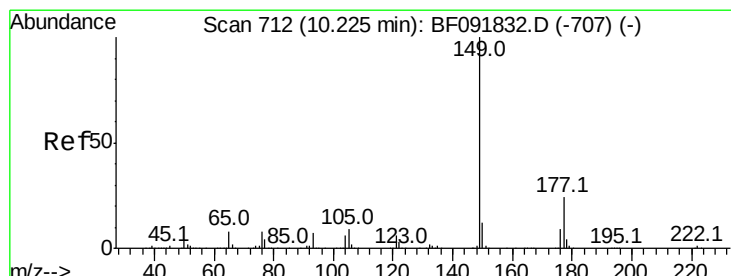
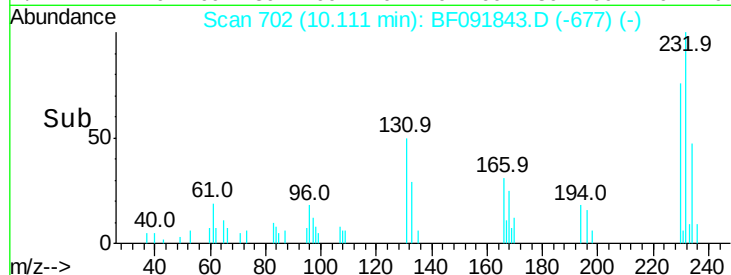
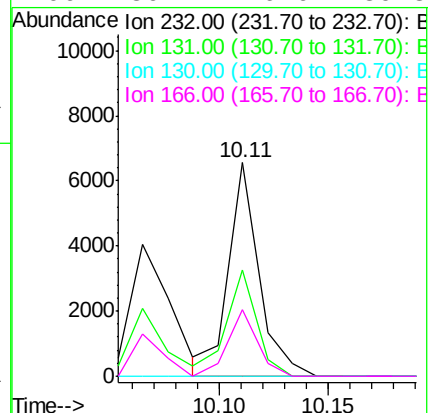
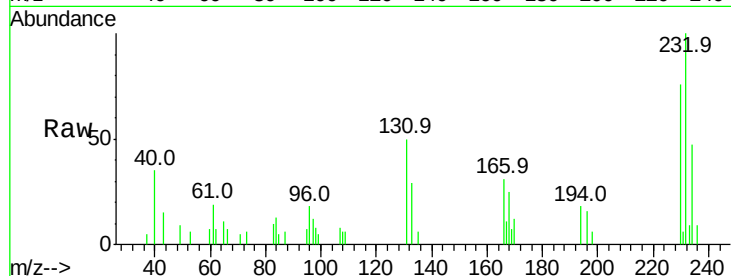
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.81 ng
 RT: 10.11 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: BF091843.D
 Acq: 21 Dec 2016 19:45

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
232	100		
131	49.4	40.1	60.1
130	0.0	1.8	2.8
166	30.7	26.6	39.8

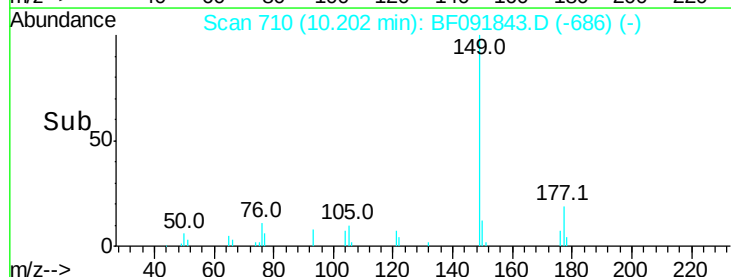
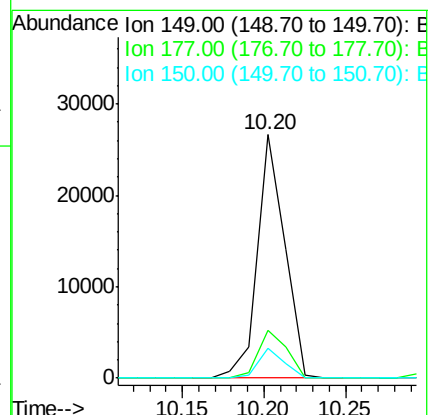
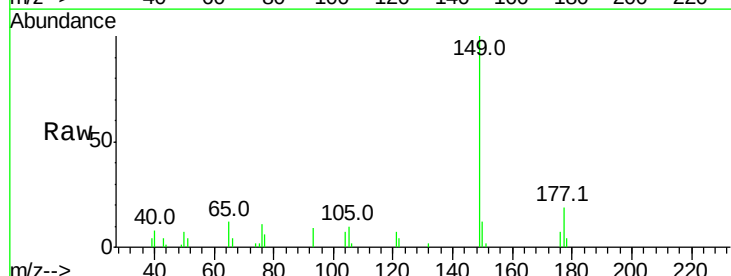
Manual Integrations
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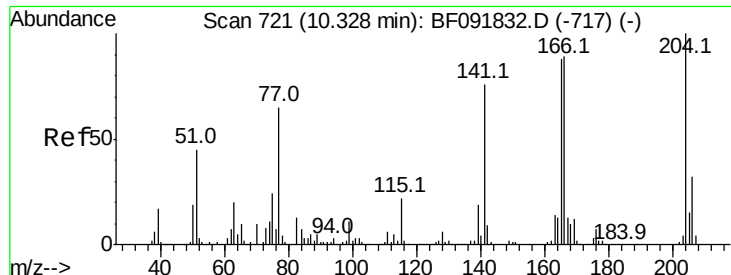
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#59
 Diethylphthalate
 Concen: 0.92 ng
 RT: 10.20 min Scan# 710
 Delta R.T. -0.02 min
 Lab File: BF091843.D
 Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.4	16.6	25.0
150	12.1	10.4	15.6





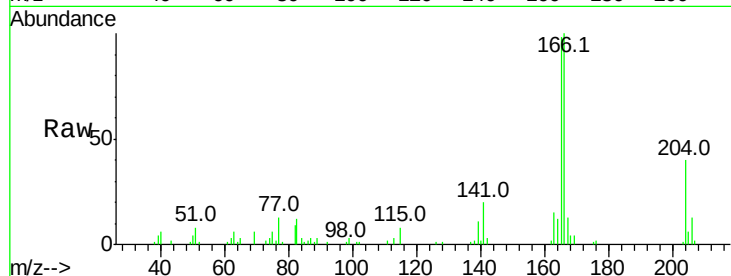
#60
4-Chlorophenyl-phenylether
Concen: 1.09 ng
RT: 10.33 min Scan# 721
Delta R.T. 0.00 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

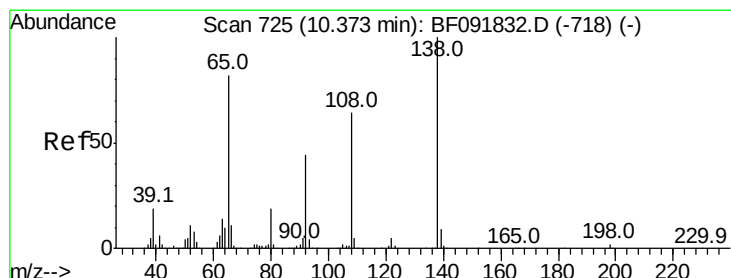
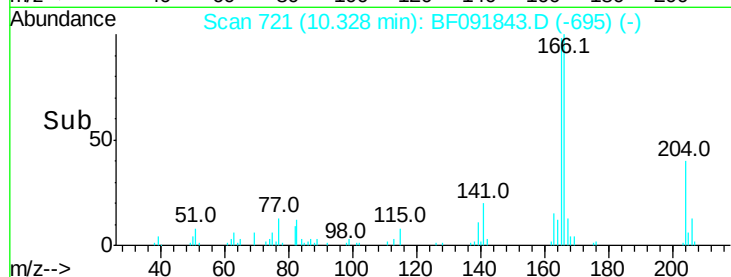
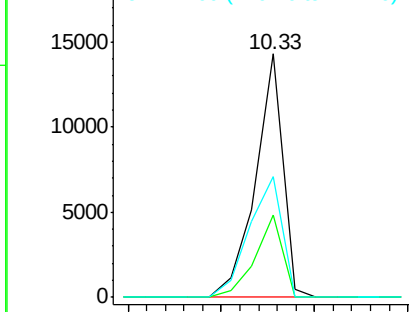
Tot Ion	Ratio	Lower	Upper
204	100		
206	33.6	25.8	38.6
141	49.8	59.4	89.0

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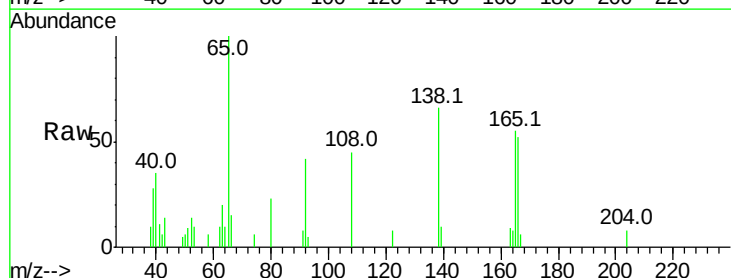


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

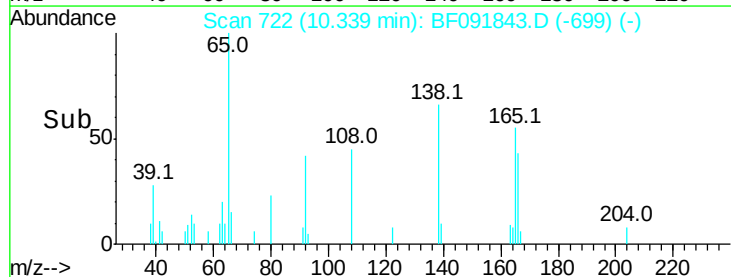
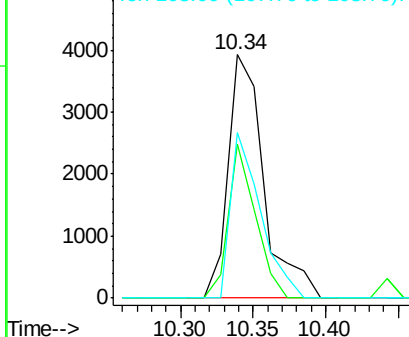


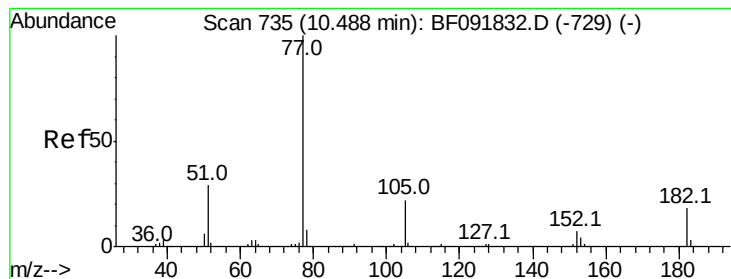
#61
4-Nitroaniline
Concen: 0.69 ng
RT: 10.34 min Scan# 722
Delta R.T. -0.03 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Lower	Upper
138	100		
92	63.2	31.7	71.7
108	68.2	52.6	92.6



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





#62

Azobenzene

Concen: 0.86 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

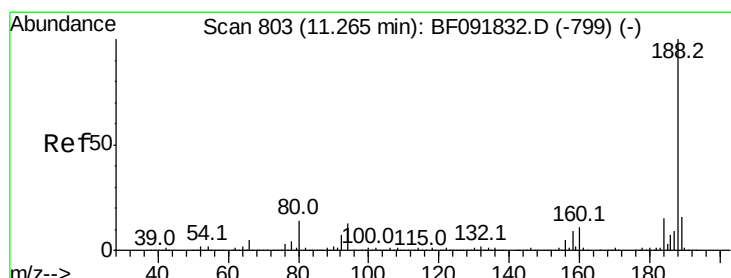
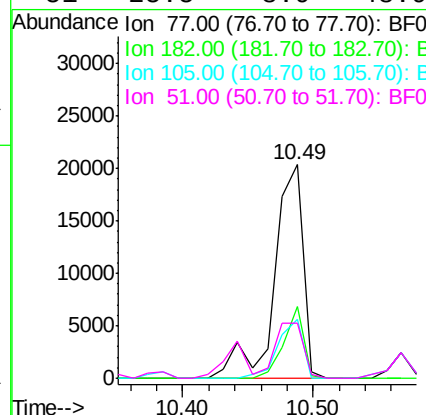
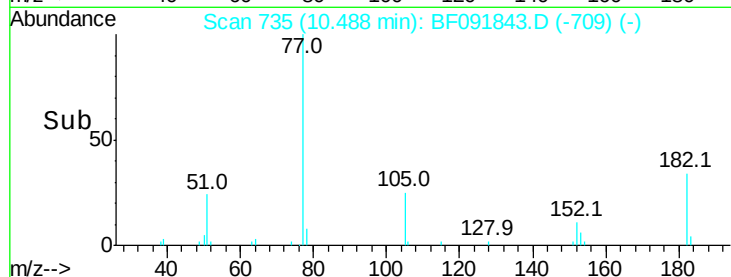
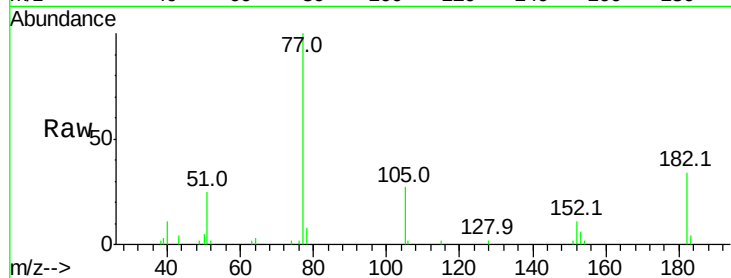
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	33.8	0.0	39.3		
105	27.4	2.3	42.3		
51	25.5	8.9	48.9		

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#63

Phenanthrene-d10

Concen: 20.00 ng

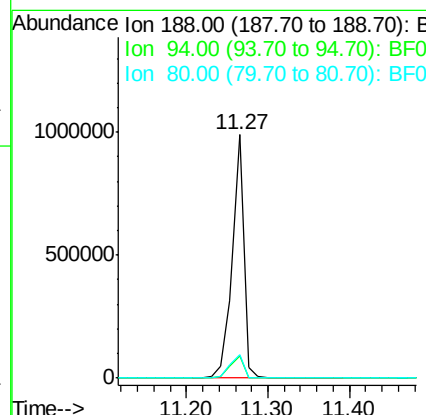
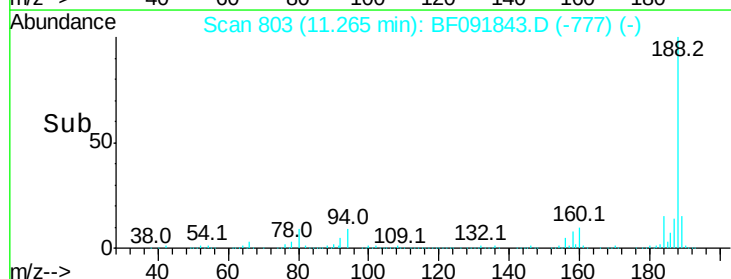
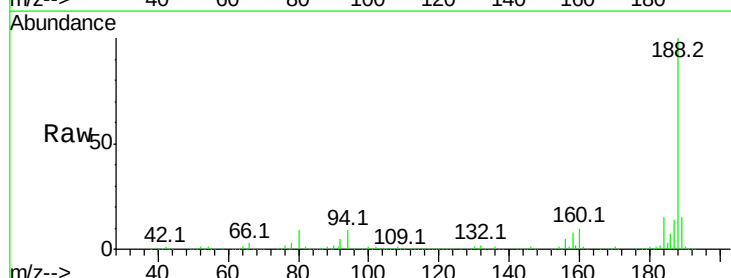
RT: 11.27 min Scan# 803

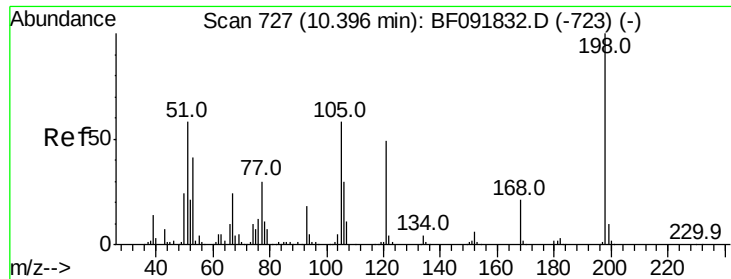
Delta R.T. 0.00 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	8.9	10.0	15.0#		
80	9.4	11.2	16.8#		





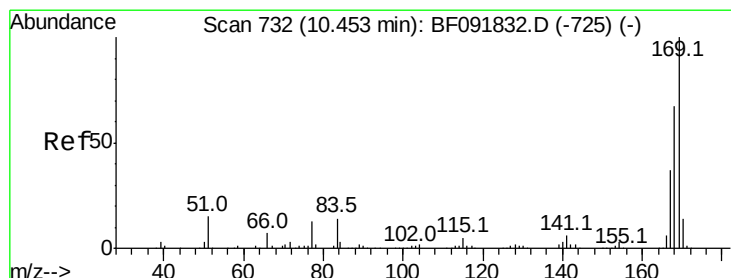
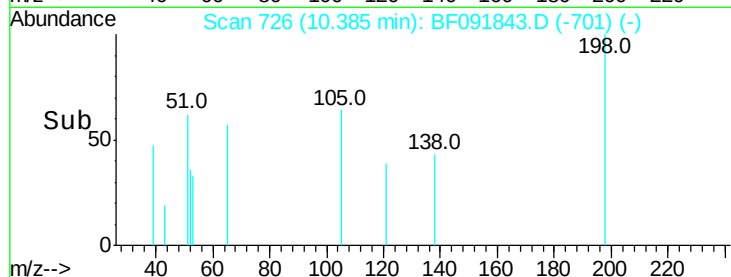
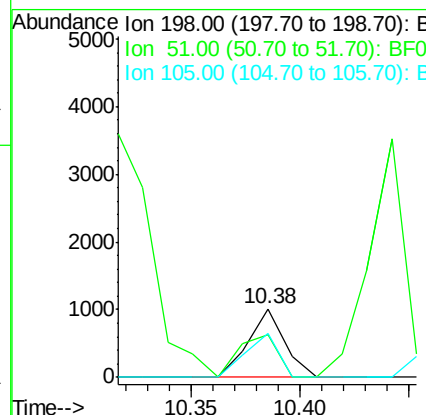
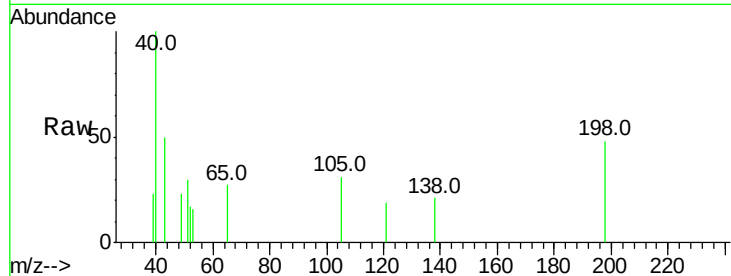
#64
4,6-Dinitro-2-methylphenol
Concen: 0.20 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Resp	Lower	Upper
198	100	1171		
51	61.6	6.7	46.7#	
105	64.0	16.6	56.6#	

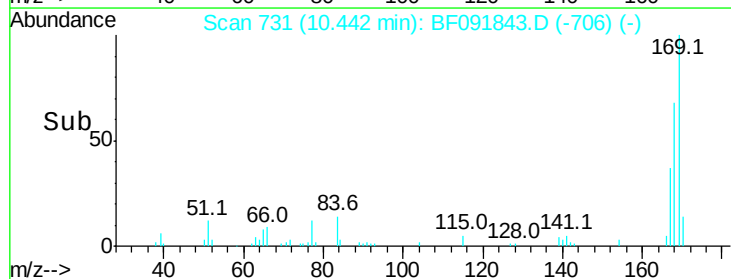
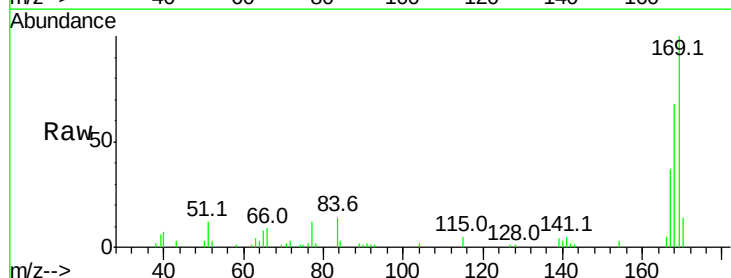
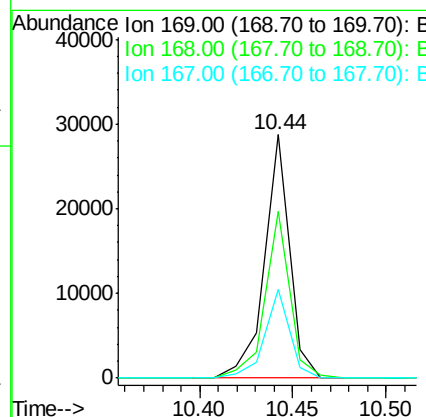
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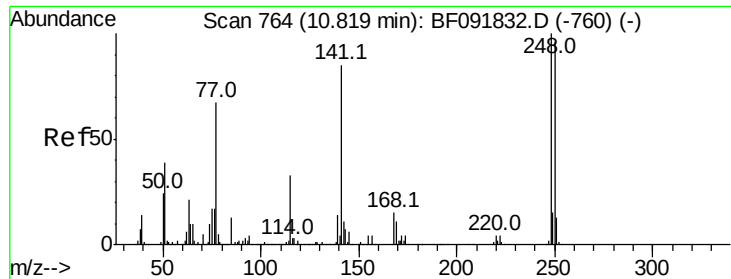
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#65
n-Nitrosodiphenylamine
Concen: 0.92 ng
RT: 10.44 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	26653		
168	68.4	54.2	81.2	
167	36.6	30.2	45.4	





#66

4-Bromophenyl-phenylether

Concen: 0.77 ng

RT: 10.81 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

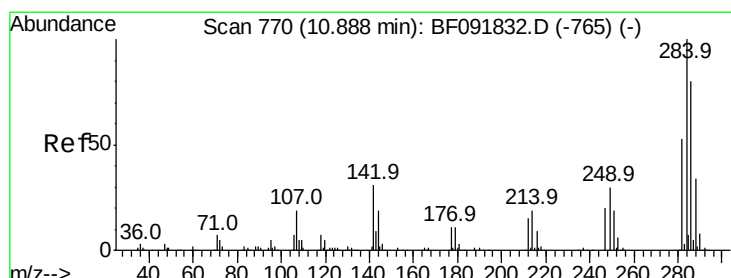
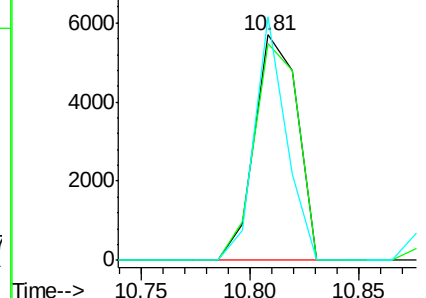
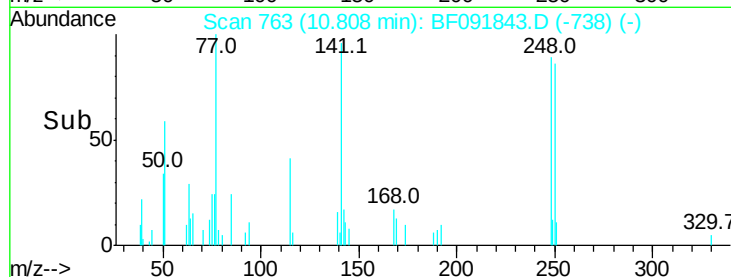
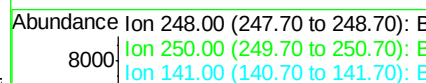
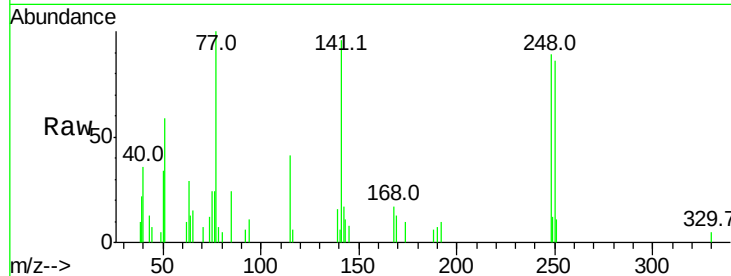
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	248	Resp:	7835
Ion Ratio	Lower	Upper	
248	100		
250	96.1	76.9	115.3
141	107.9	68.2	102.4#

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#67

Hexachlorobenzene

Concen: 0.86 ng

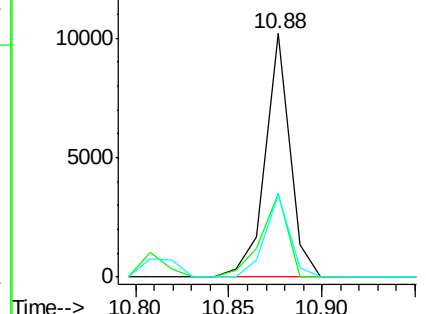
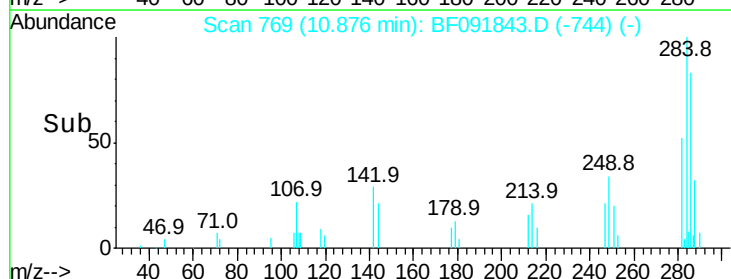
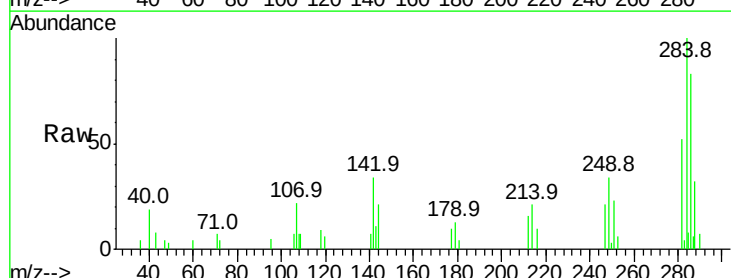
RT: 10.88 min Scan# 769

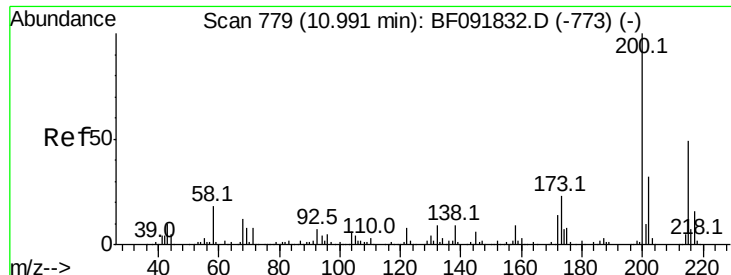
Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:	284	Resp:	9284
Ion Ratio	Lower	Upper	
284	100		
142	34.2	22.6	33.8#
249	34.0	25.4	38.0





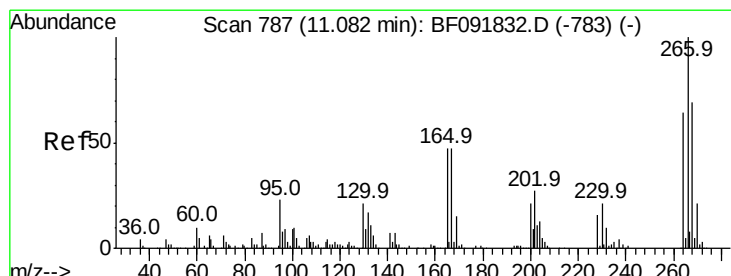
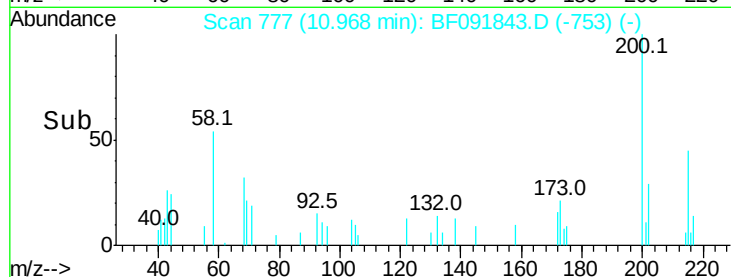
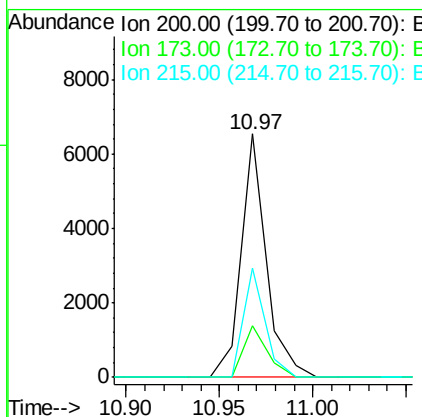
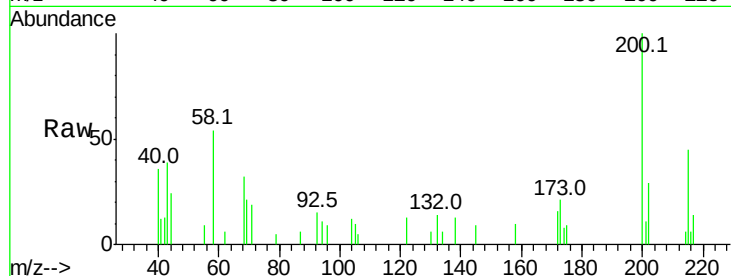
#68
Atrazine
Concen: 0.66 ng
RT: 10.97 min Scan# 777
Delta R.T. -0.02 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
200	100		
173	21.3	9.6	49.6
215	44.7	25.7	65.7

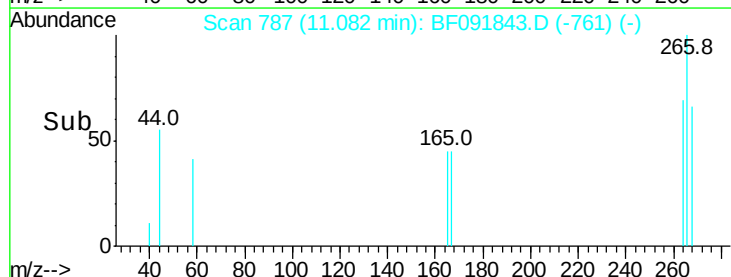
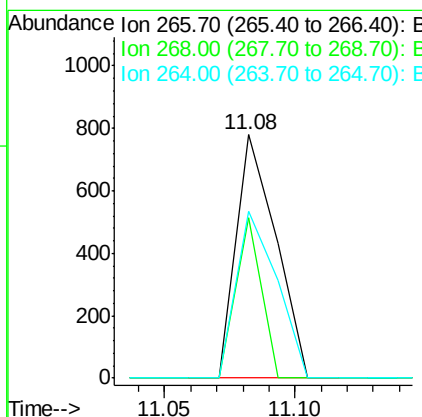
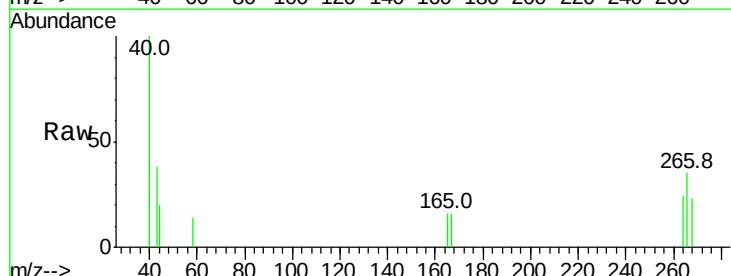
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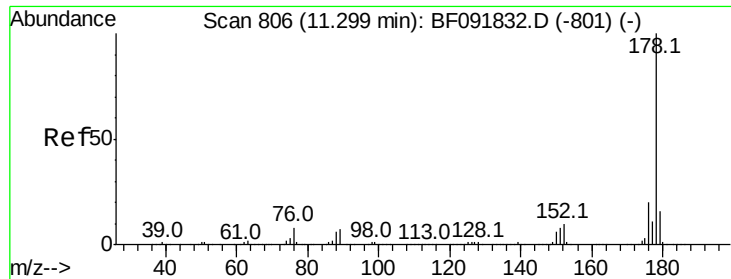
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#69
Pentachlorophenol
Concen: 0.16 ng
RT: 11.08 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.9	53.3	79.9
264	68.6	50.3	75.5





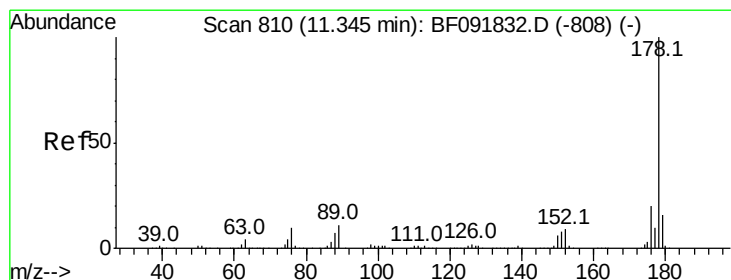
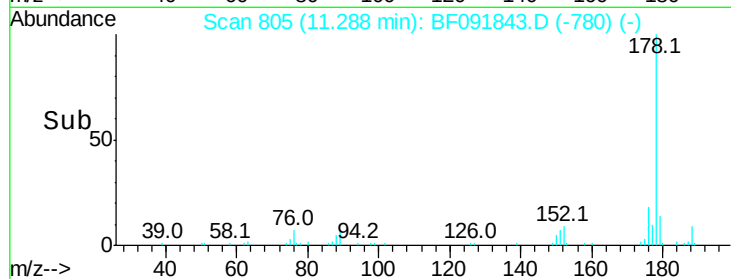
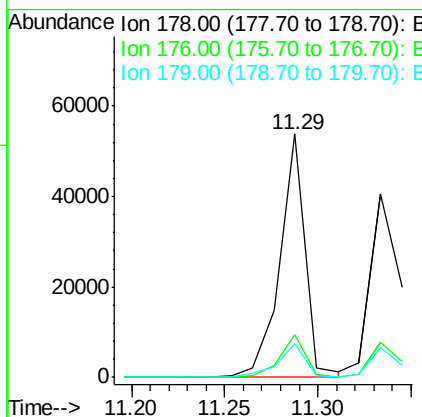
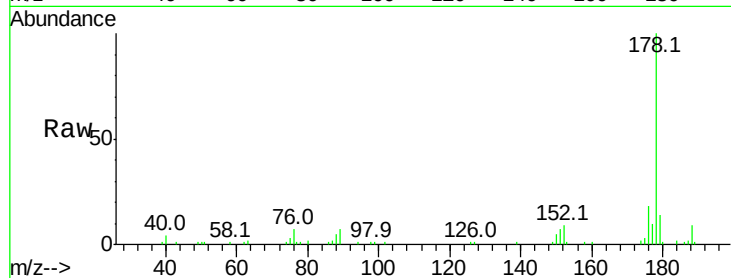
#70
Phenanthrene
Concen: 0.97 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	16.6	25.0
179	13.9	12.8	19.2

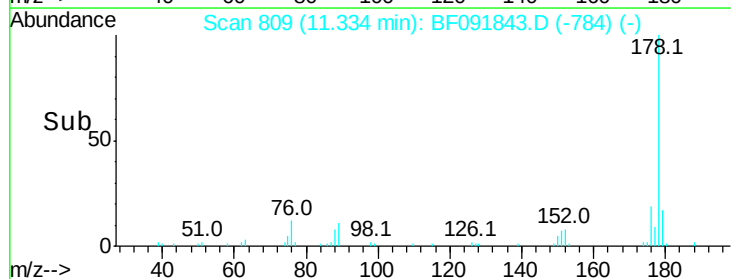
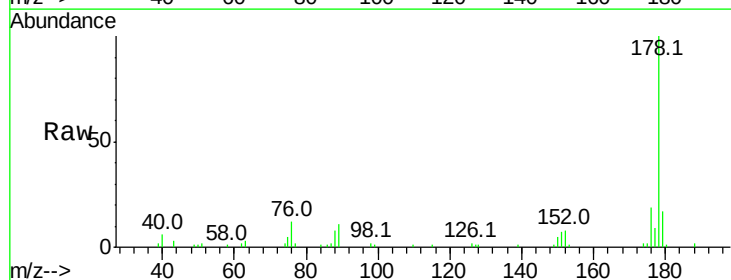
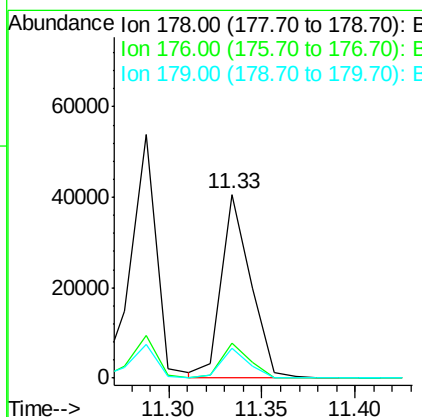
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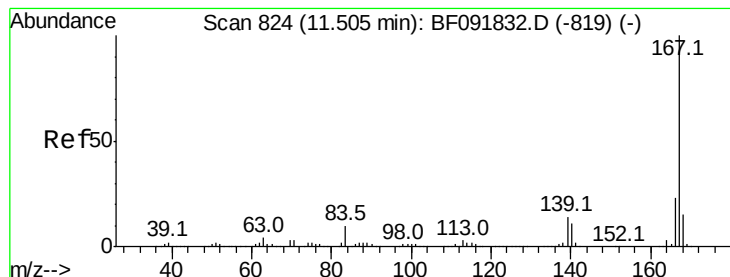
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#71
Anthracene
Concen: 0.18 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	16.5	13.2	19.8





#72

Carbazole

Concen: 0.78 ng

RT: 11.49 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

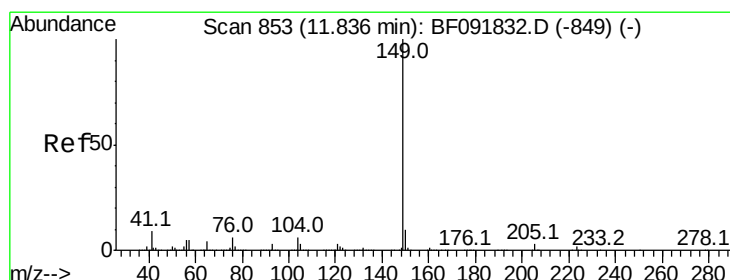
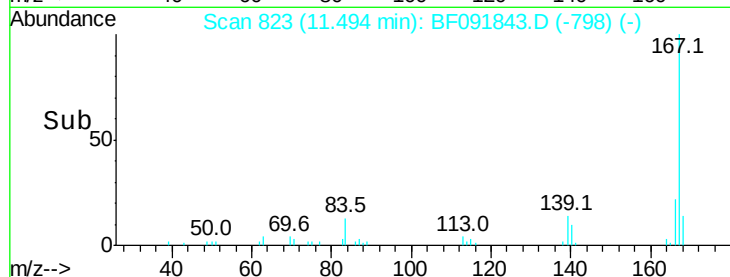
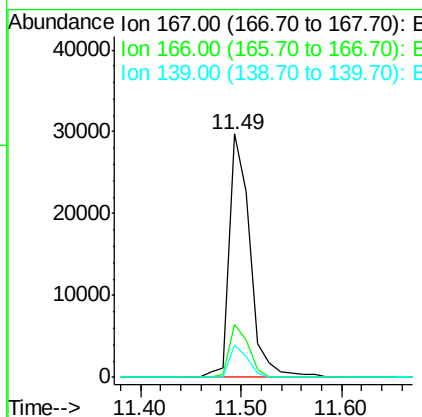
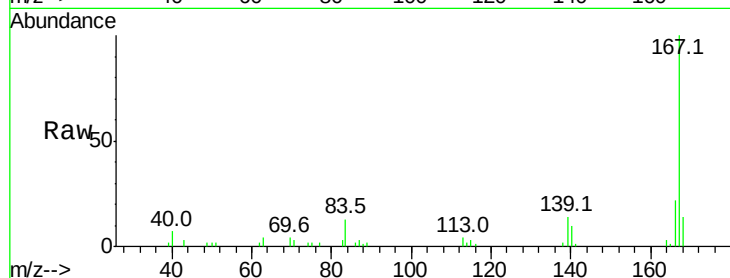
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	167	Resp:	42451
Ion Ratio	Lower	Upper	
167	100		
166	21.5	18.2	27.2
139	13.6	11.4	17.2

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#73

Di-n-butylphthalate

Concen: Below Cal

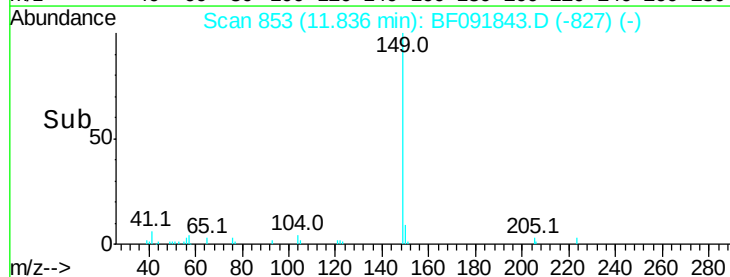
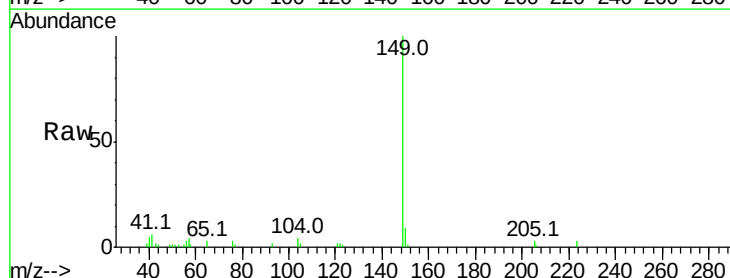
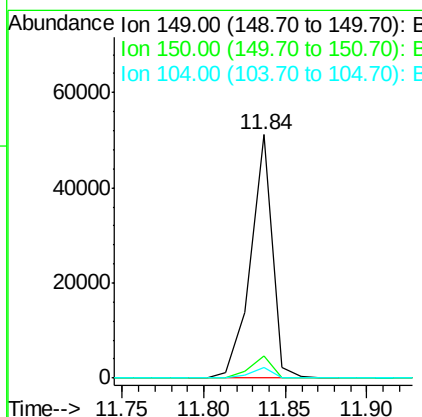
RT: 11.84 min Scan# 853

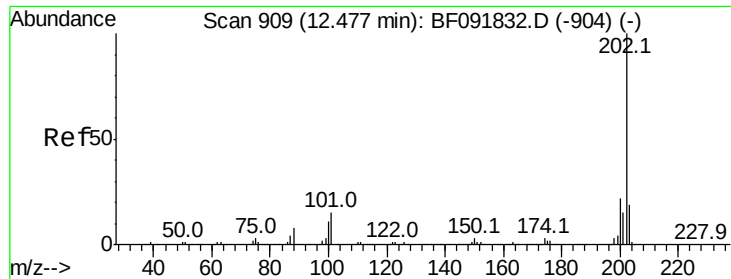
Delta R.T. 0.00 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:	149	Resp:	47087
Ion Ratio	Lower	Upper	
149	100		
150	9.1	8.1	12.1
104	4.3	4.6	7.0#





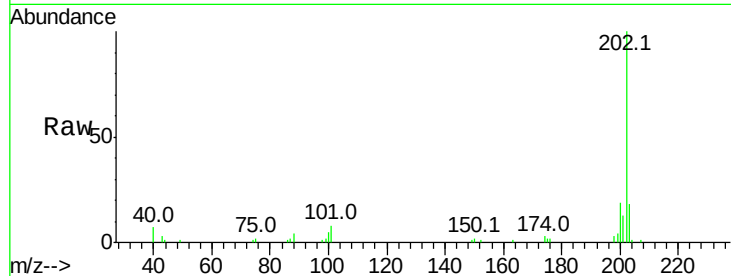
#74
Fluoranthene
Concen: Below Cal
RT: 12.48 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

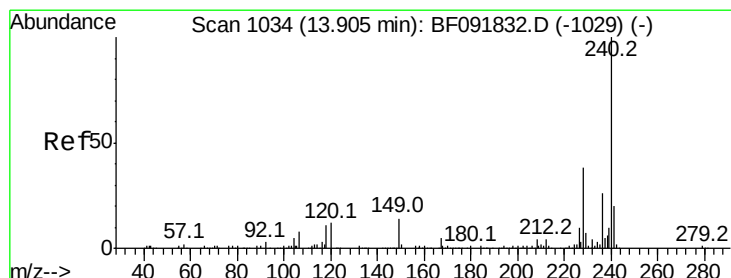
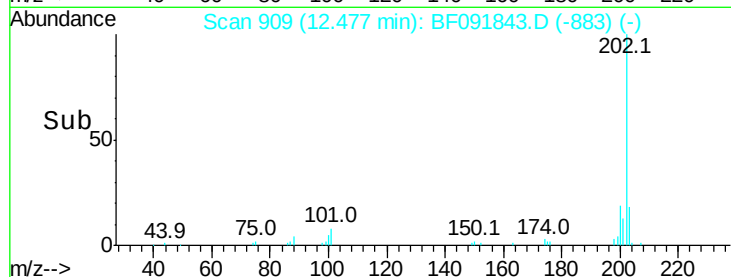
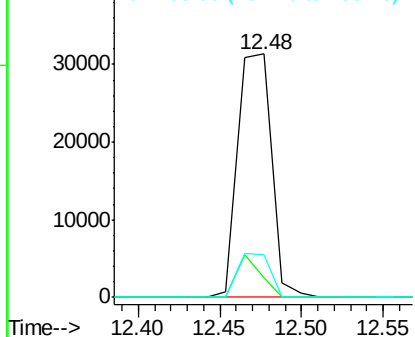
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.1	0.0	34.6
203	17.6	0.0	38.7

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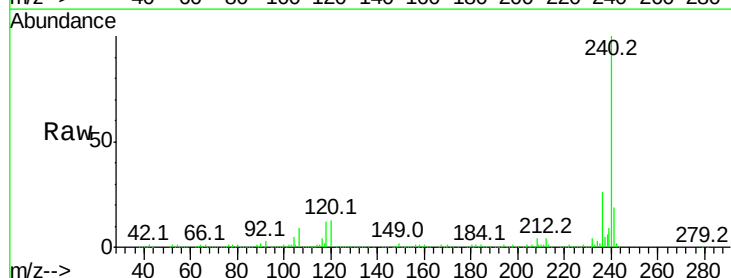


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

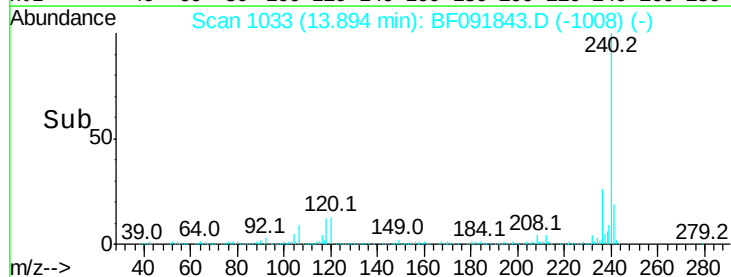
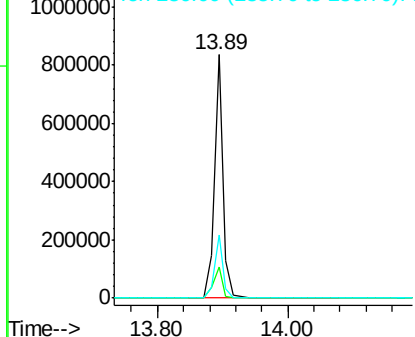


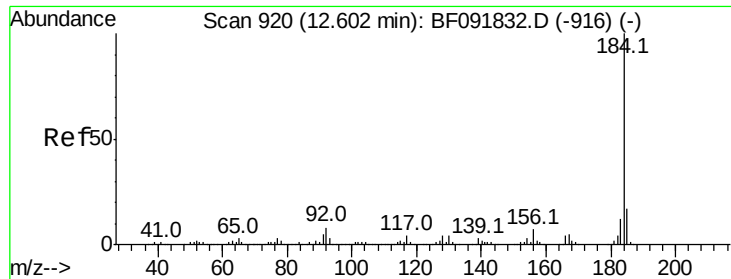
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	12.9	19.3
236	26.1	20.9	31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: Below Cal

RT: 12.60 min Scan# 920

Delta R.T. 0.00 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

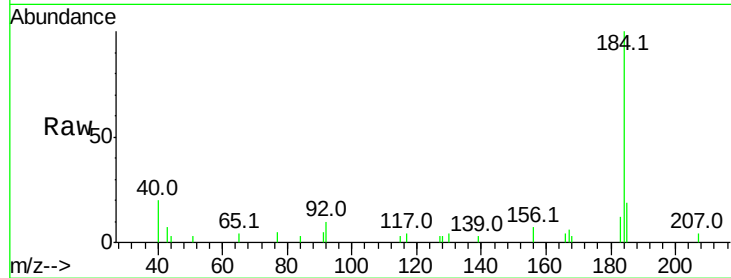
ClientSampleId :

LOD-SOIL-01-QT1-2017

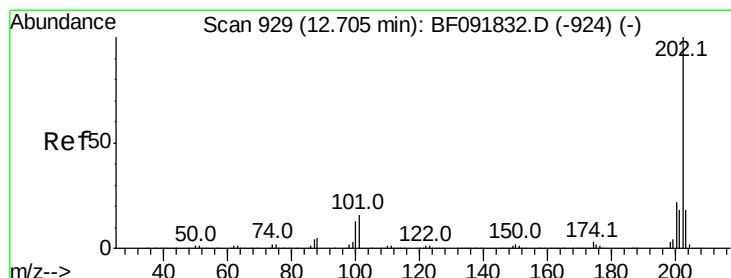
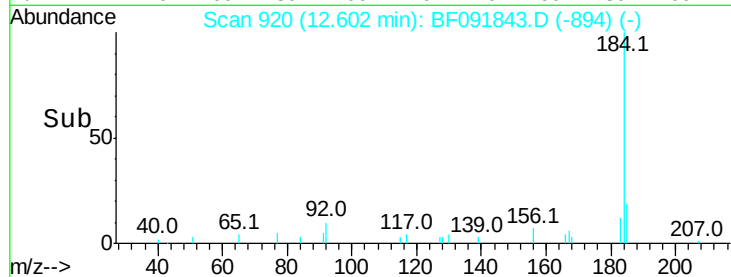
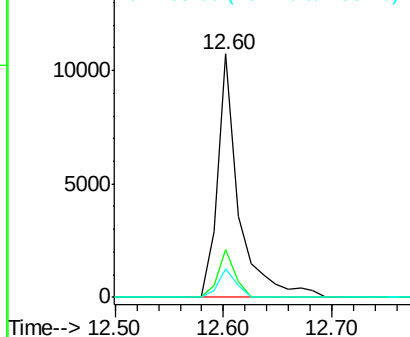
Tot Ion:184	Resp:	14628
Ion Ratio	Lower	Upper
184	100	
185	19.5	13.4 20.0
183	11.7	9.2 13.8

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.85 ng

RT: 12.69 min Scan# 928

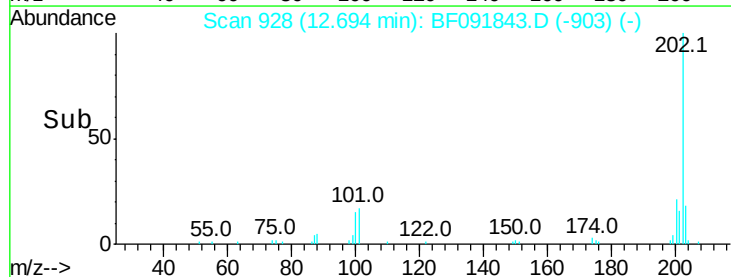
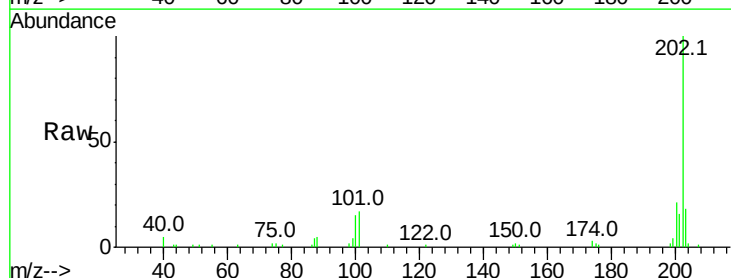
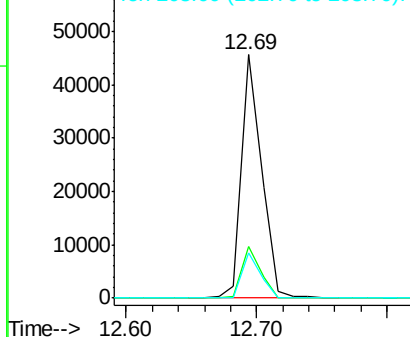
Delta R.T. -0.01 min

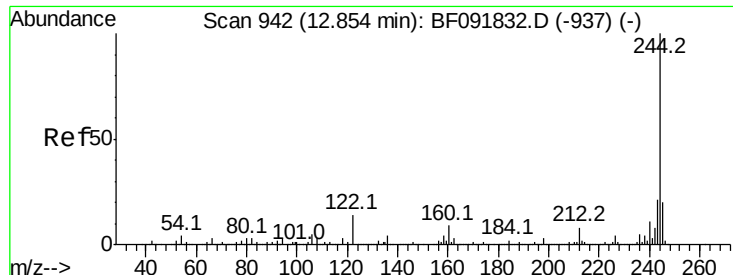
Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:202	Resp:	48637
Ion Ratio	Lower	Upper
202	100	
200	21.0	17.7 26.5
203	18.5	14.7 22.1

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





#78

Terphenyl-d14

Concen: 66.60 ng

RT: 12.85 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:244 Resp: 2145533

Ion Ratio Lower Upper

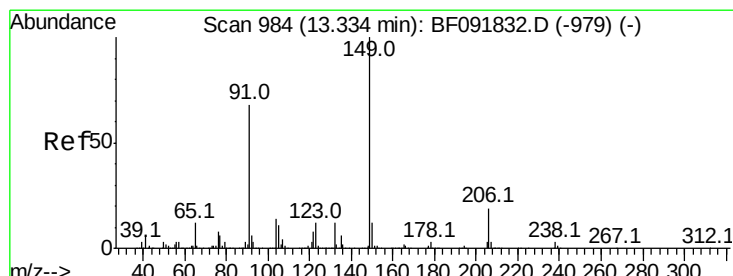
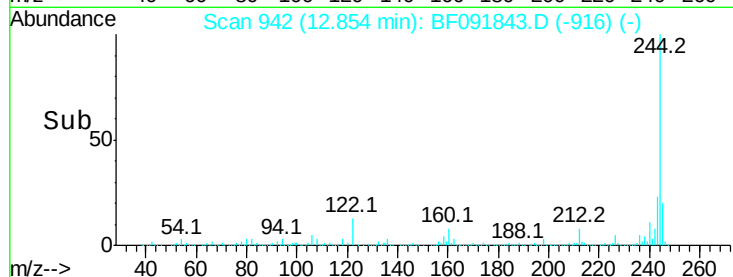
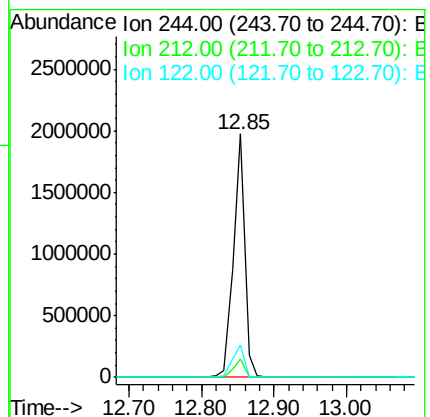
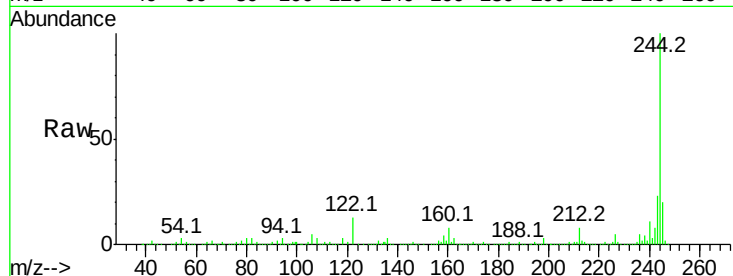
244 100

212 7.6 6.2 9.2

122 13.1 11.4 17.2

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#79

Butylbenzylphthalate

Concen: 0.71 ng

RT: 13.32 min Scan# 983

Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

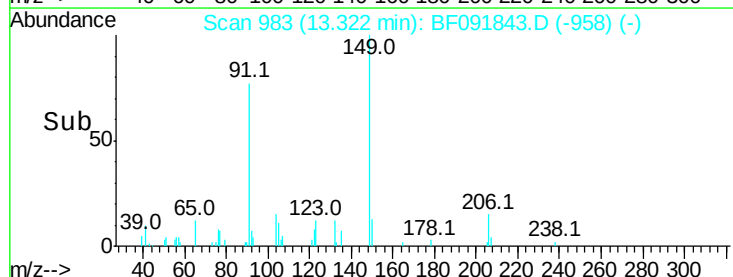
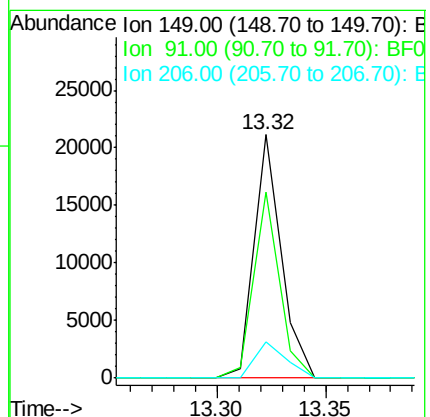
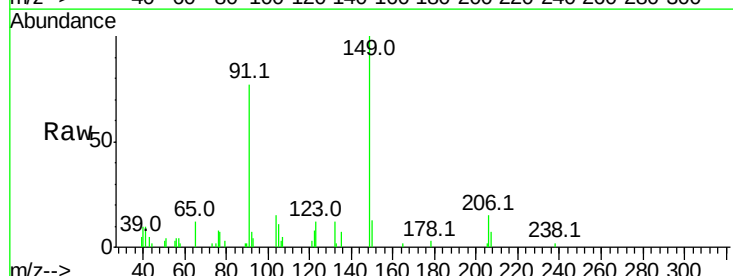
Tgt Ion:149 Resp: 18388

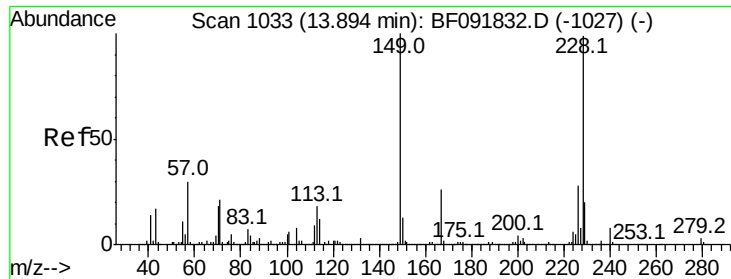
Ion Ratio Lower Upper

149 100

91 76.7 63.9 95.9

206 14.8 14.6 21.8





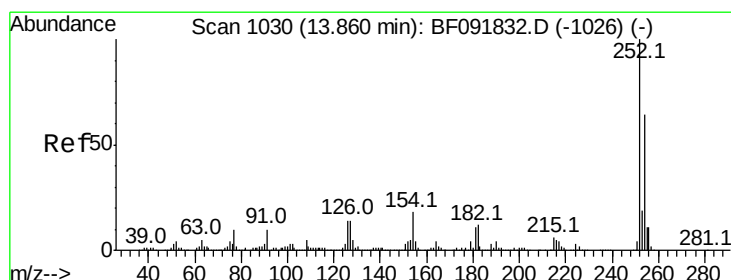
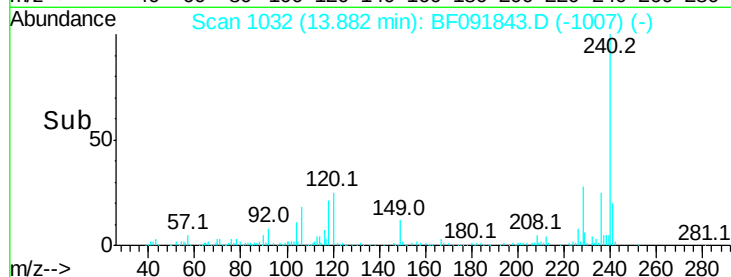
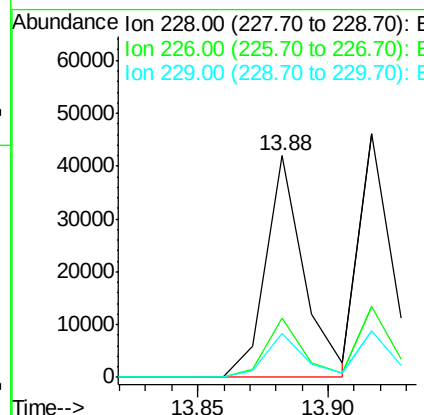
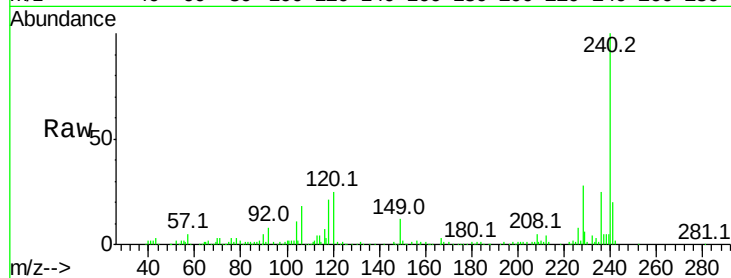
#80
Benzo(a)anthracene
Concen: 0.97 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.4	33.6
229	19.9	16.2	24.4

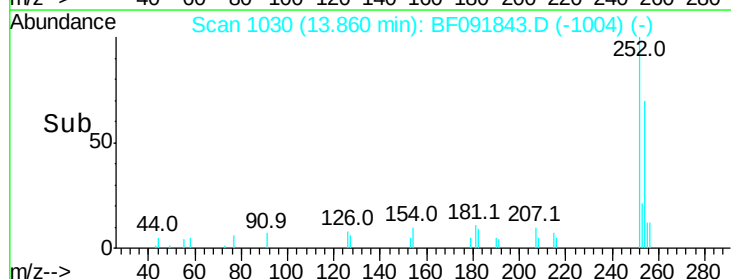
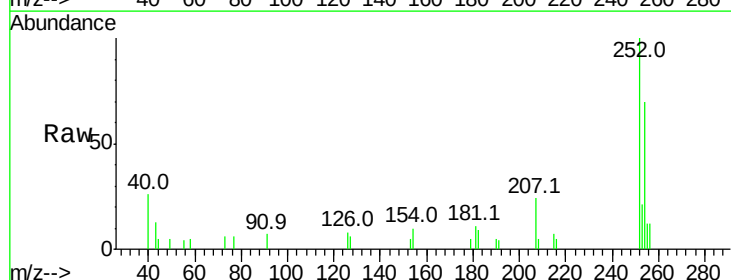
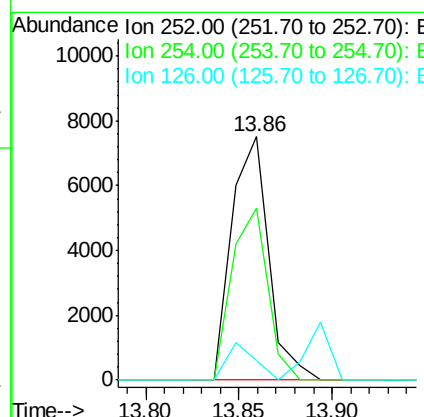
Manual Integrations
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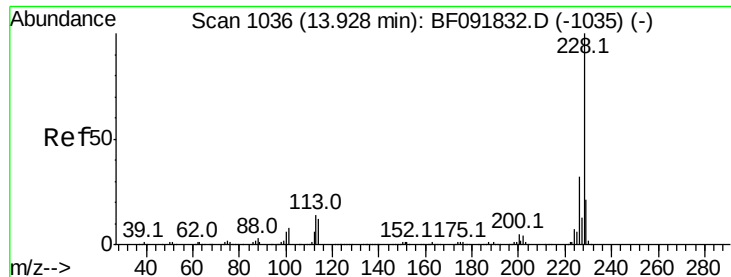
sohil
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#81
3,3'-Dichlorobenzidine
Concen: 0.62 ng
RT: 13.86 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Lower	Upper
252	100		
254	70.4	52.3	78.5
126	7.9	13.6	20.4





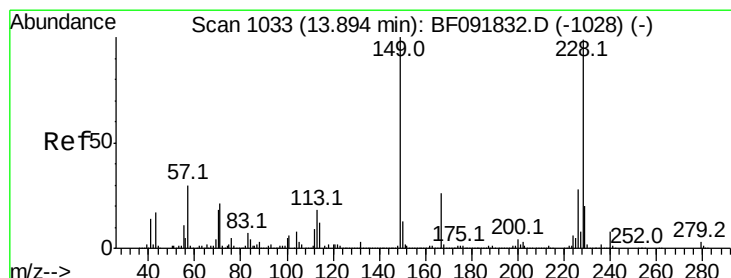
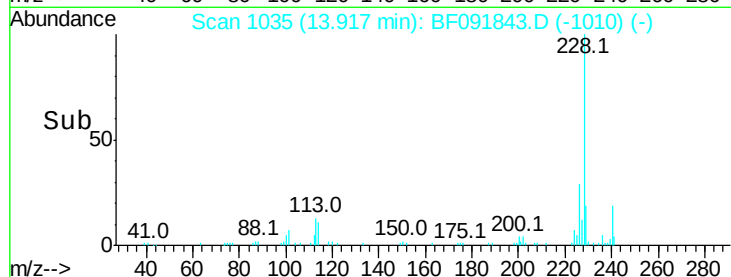
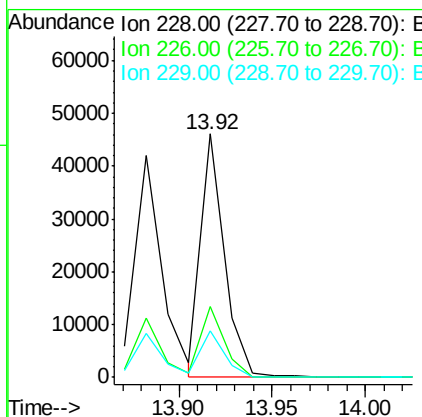
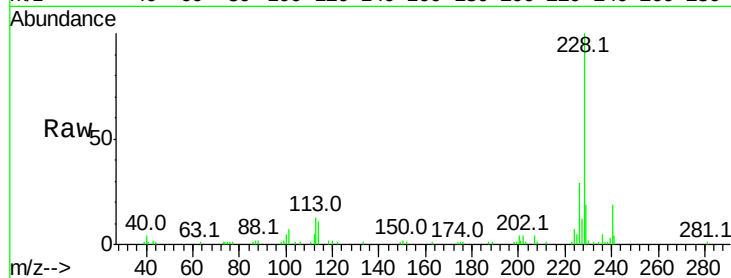
#82
 Chrysene
 Concen: 0.91 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF091843.D
 Acq: 21 Dec 2016 19:45

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Tot Ion:	228	Resp:	40202
Ion Ratio	Lower	Upper	
228	100		
226	28.9	25.4	38.0
229	19.2	16.2	24.2

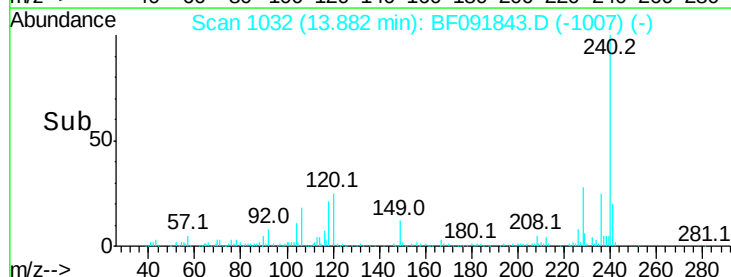
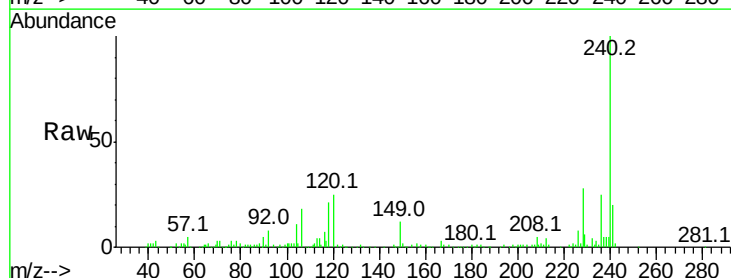
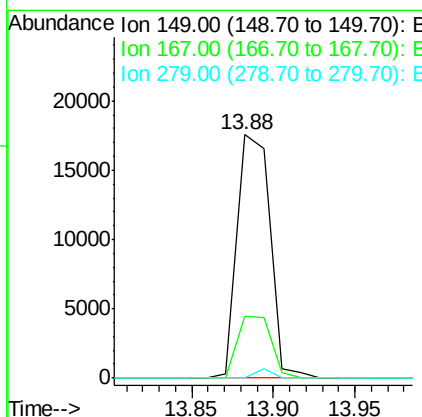
Manual Integrations
 APPROVED

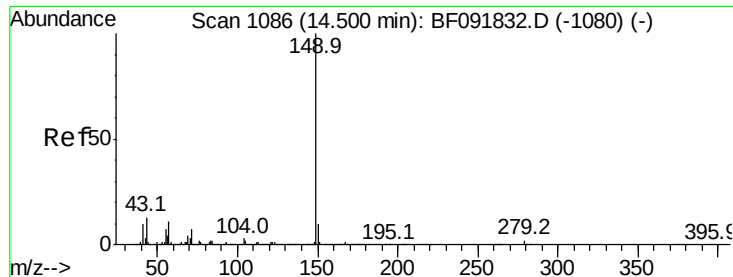
sohil
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.79 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF091843.D
 Acq: 21 Dec 2016 19:45

Tgt Ion:	149	Resp:	24320
Ion Ratio	Lower	Upper	
149	100		
167	25.4	20.2	30.4
279	0.0	1.8	2.8#





#84

Di-n-octyl phthalate

Concen: 0.74 ng

RT: 14.50 min Scan# 1086

Delta R.T. 0.00 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

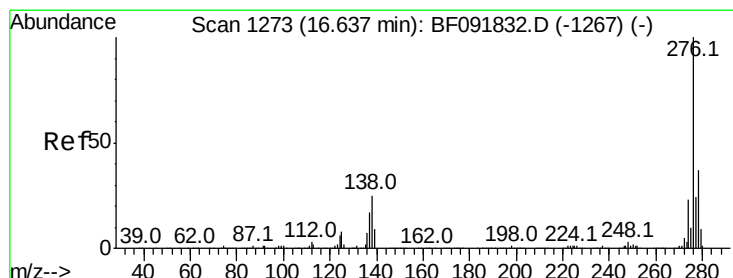
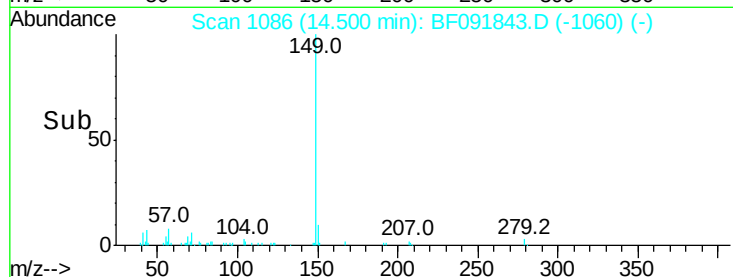
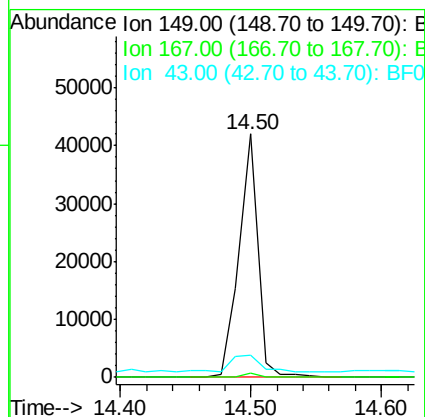
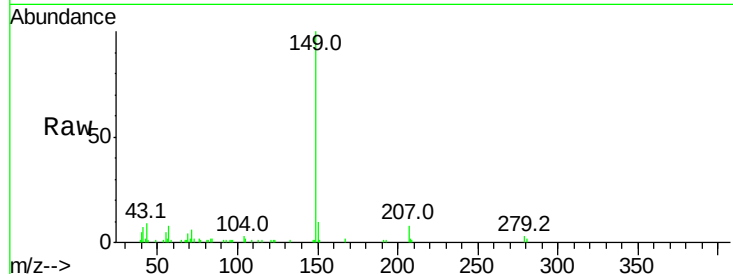
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.2	1.3	1.9#
43	10.8	8.9	13.3

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 0.79 ng

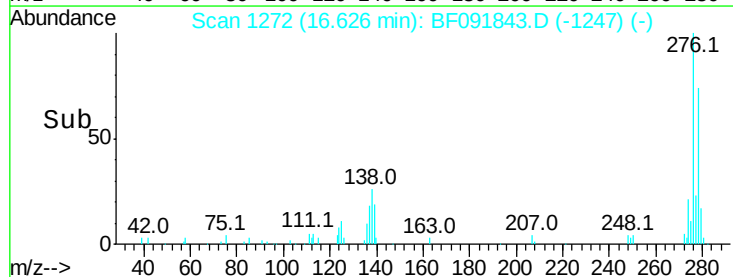
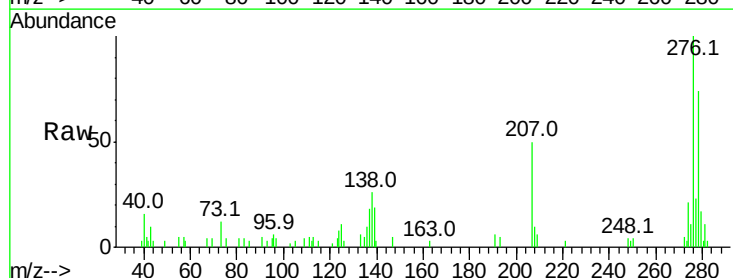
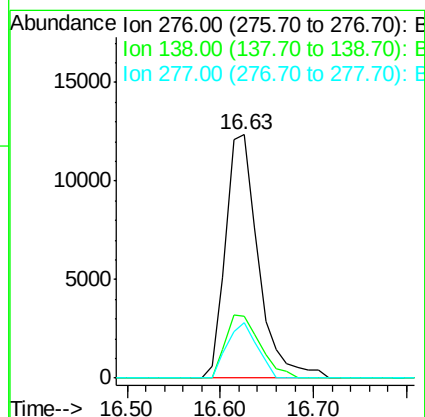
RT: 16.63 min Scan# 1272

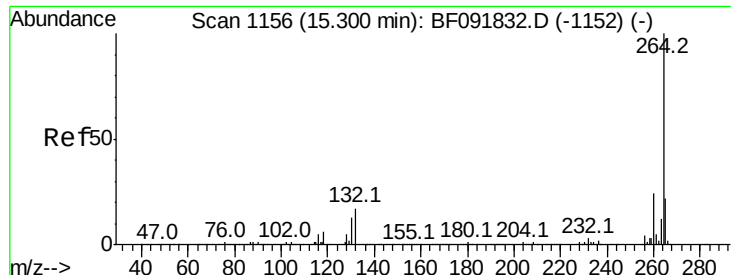
Delta R.T. -0.01 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.8	32.6
277	20.8	20.2	30.4





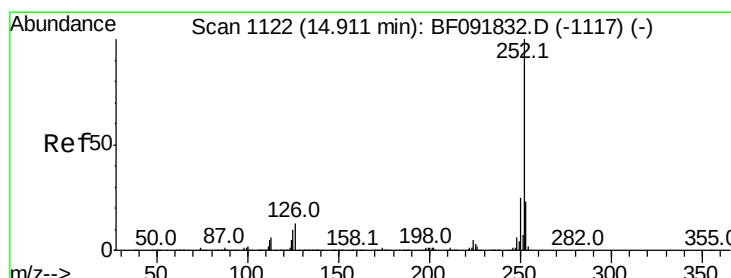
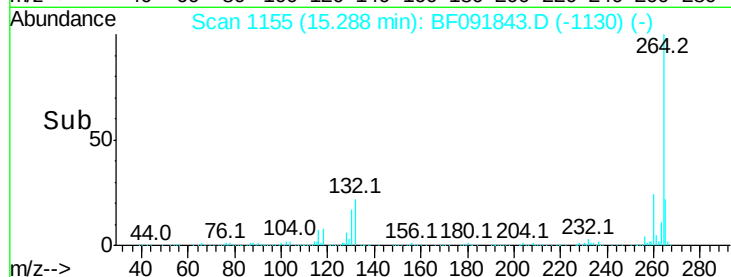
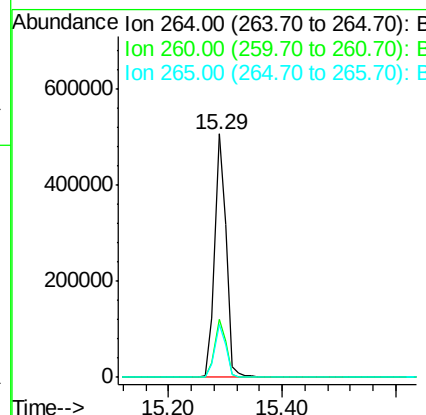
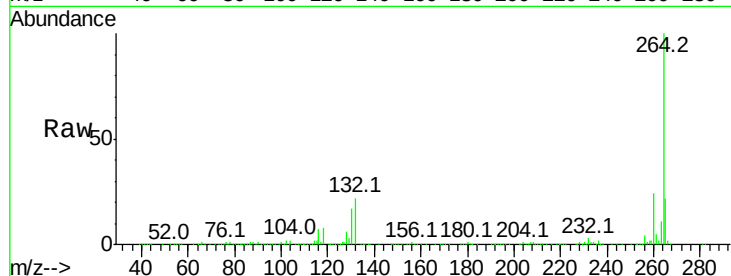
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.5	17.4	26.0

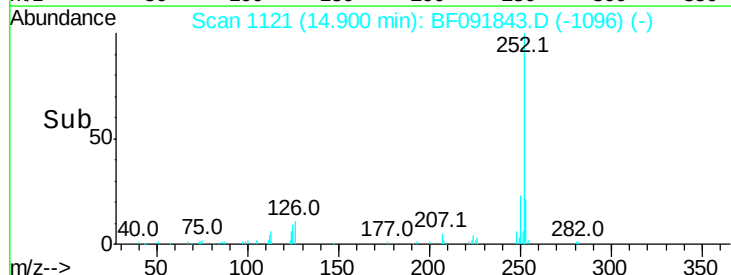
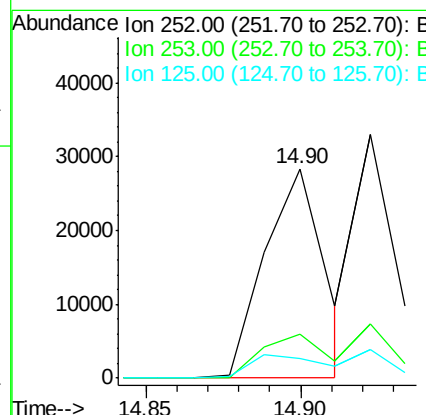
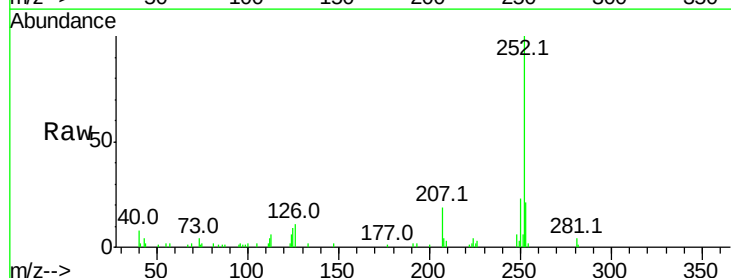
Manual Integrations
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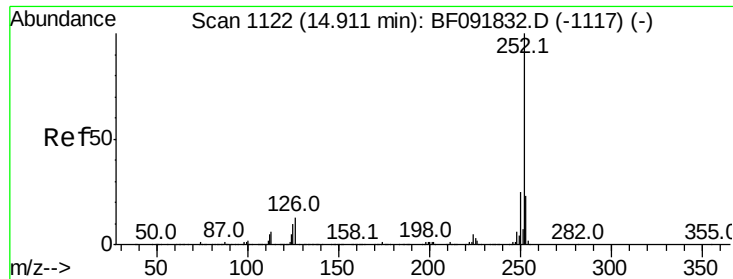
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#87
Benzo(b)fluoranthene
Concen: 0.89 ng m
RT: 14.90 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.2	27.4
125	9.4	9.8	14.6





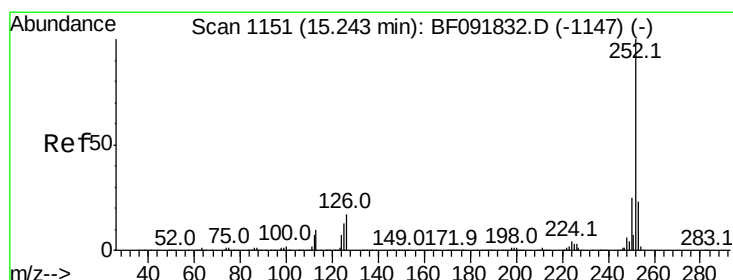
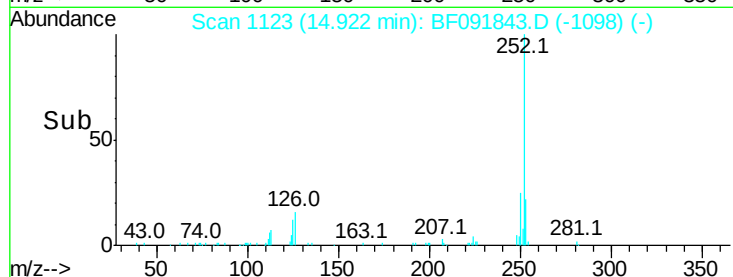
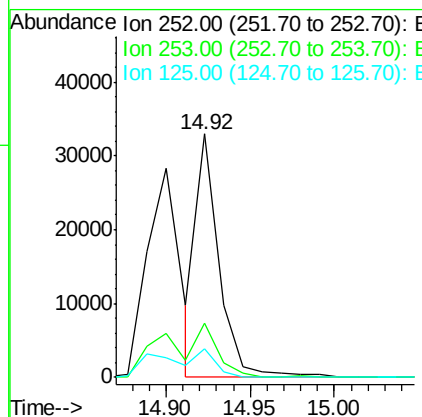
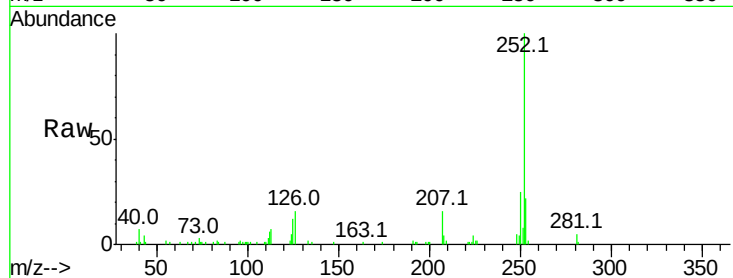
#88
Benzo(k)fluoranthene
Concen: 0.88 ng m
RT: 14.92 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.5	27.7
125	11.7	8.9	13.3

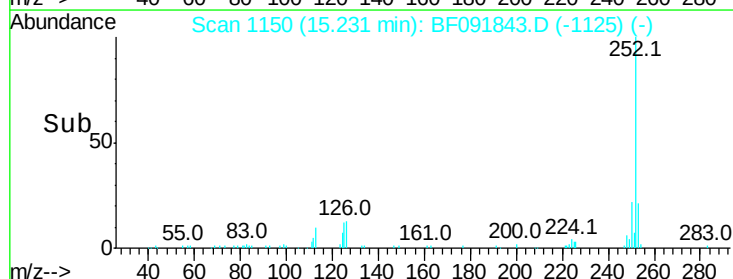
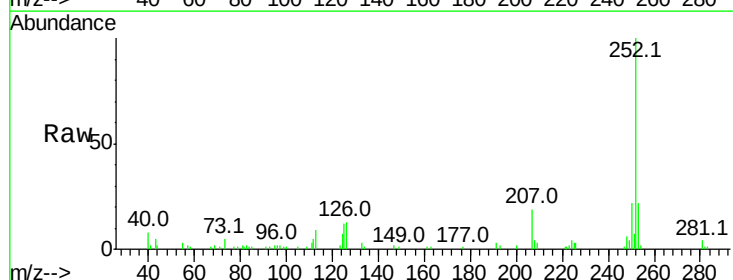
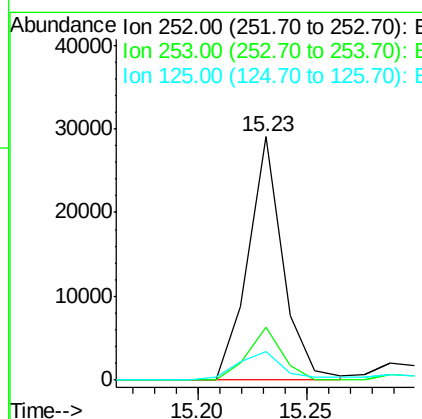
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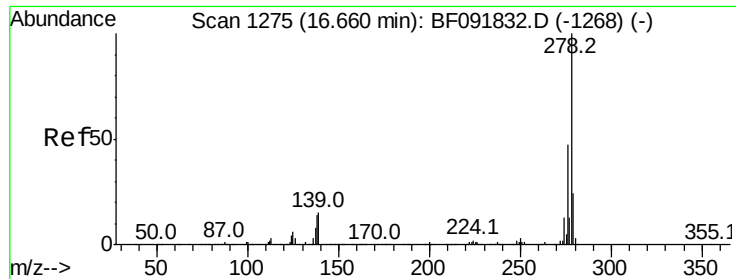
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#89
Benzo(a)pyrene
Concen: 0.86 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF091843.D
Acq: 21 Dec 2016 19:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.2	27.2
125	11.6	10.0	15.0





#90

Dibenzo(a,h)anthracene

Concen: 0.83 ng

RT: 16.64 min Scan# 1273

Delta R.T. -0.02 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Instrument :

BNA_F

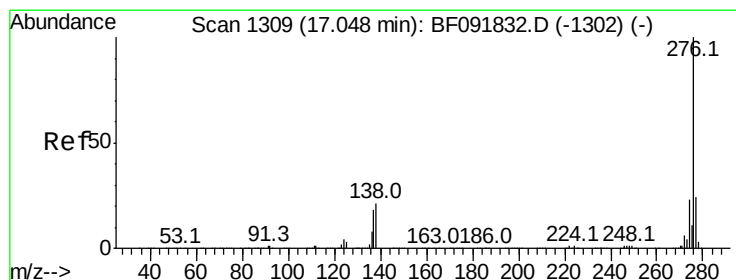
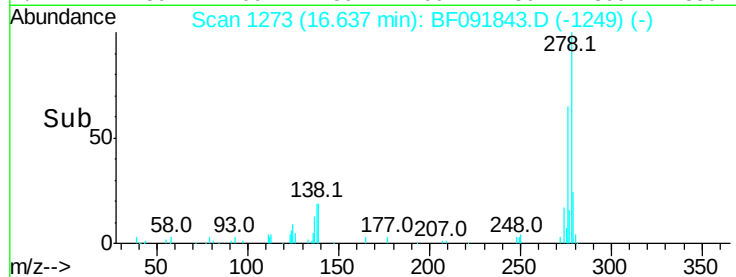
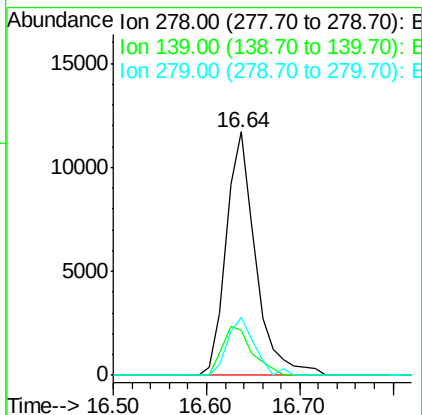
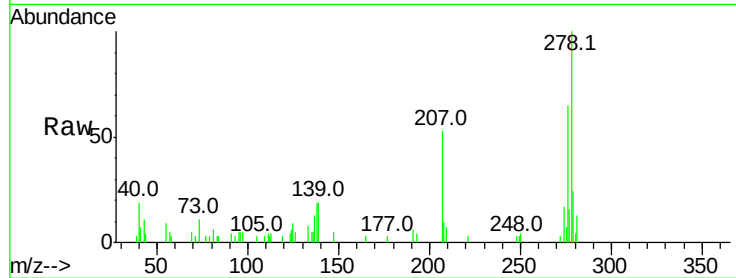
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion:	278	Resp:	25698
Ion Ratio	Lower	Upper	
278	100		
139	18.6	14.8	22.2
279	23.8	19.8	29.6

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 0.81 ng

RT: 17.01 min Scan# 1306

Delta R.T. -0.03 min

Lab File: BF091843.D

Acq: 21 Dec 2016 19:45

Tgt Ion:	276	Resp:	26246
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.2	28.8
138	26.0	16.0	24.0

