

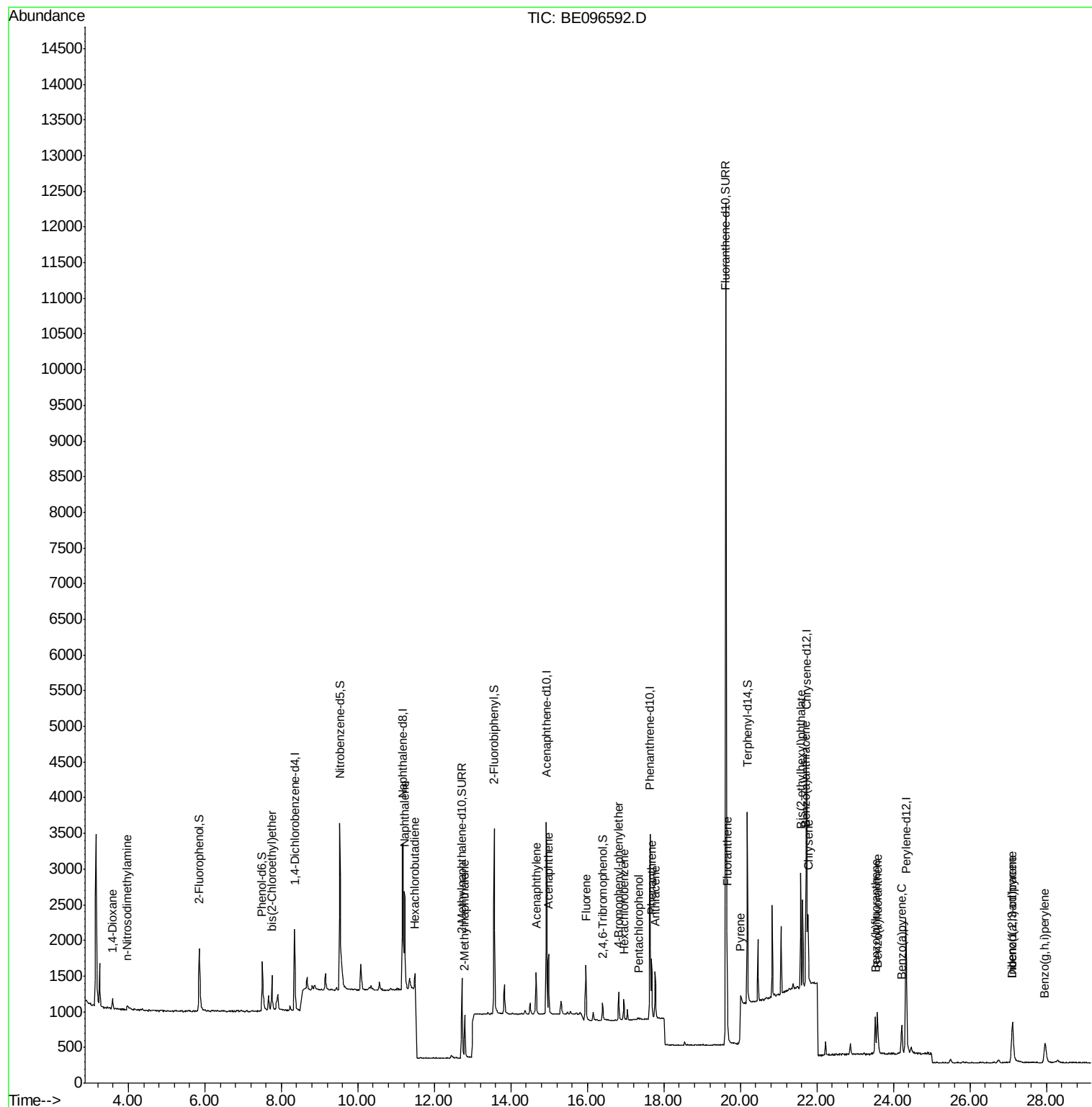
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051618\
Data File : BE096592.D
Acq On : 16 May 2018 12:36
Operator : SJ/JU
Sample : J2133-01
Misc : LOD 0.1
ALS Vial : 7 Sample Multiplier: 1

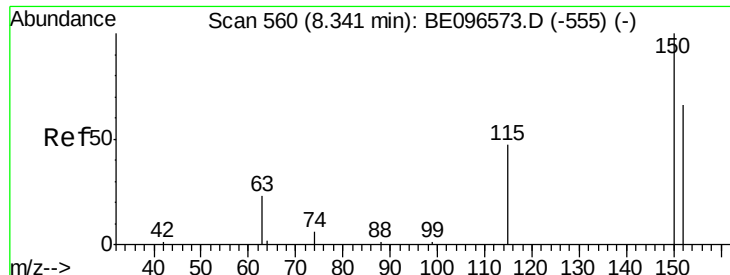
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

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Sohil
5/17/2018 5:05:50 PM

Quant Time: May 17 04:05:45 2018
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 15 13:02:03 2018
Response via : Initial Calibration

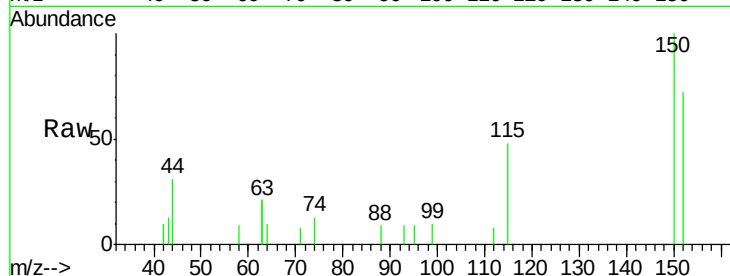




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.35 min Scan# 561
Delta R.T. 0.01 min
Lab File: BE096592.D
Acq: 16 May 2018 12:36

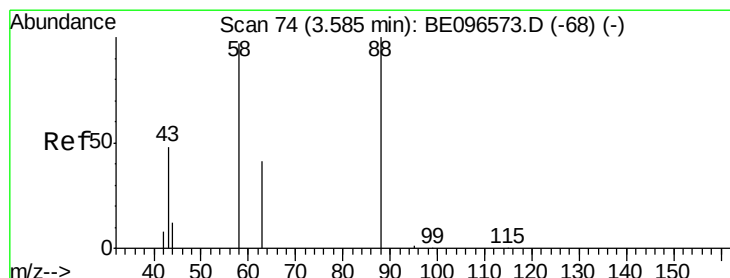
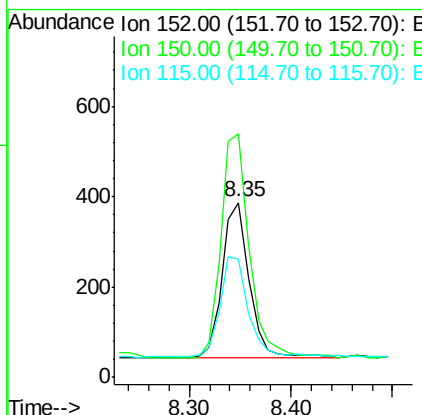
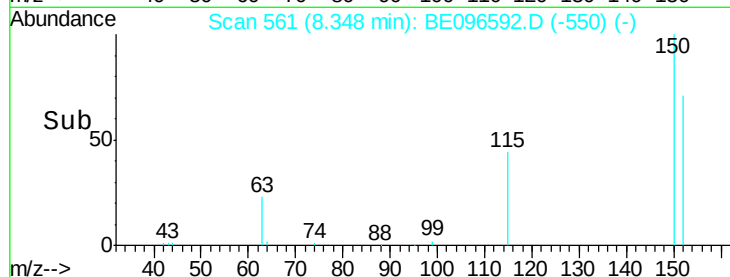
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018



Tgt Ion: 152 Resp: 643
Ion Ratio Lower Upper
152 100
150 138.9 117.2 175.8
115 67.3 57.0 85.6

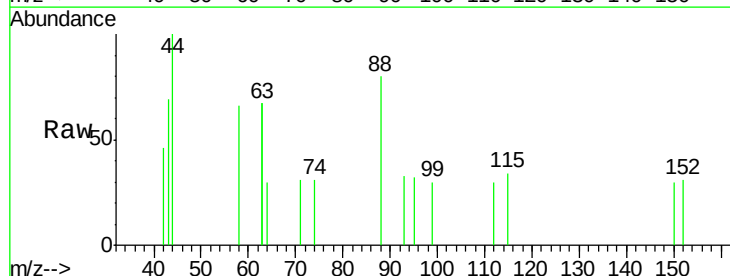
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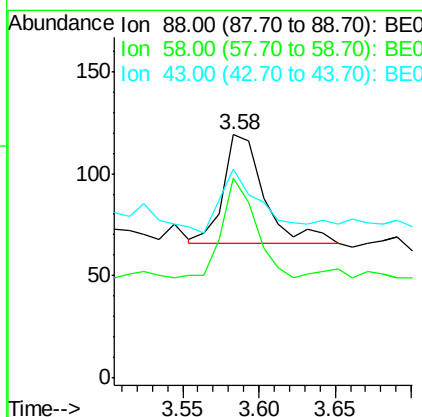
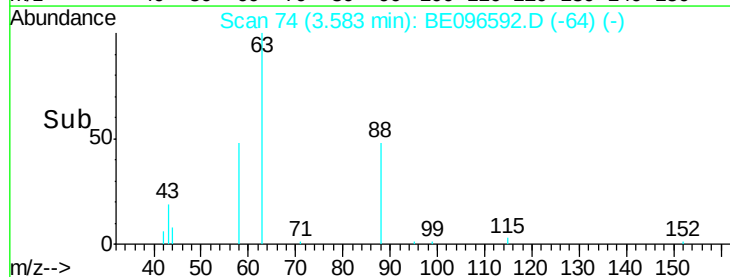


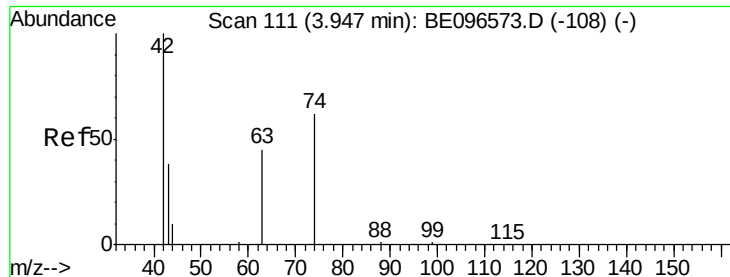
#2

1,4-Dioxane
Concen: 0.103 ng
RT: 3.58 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE096592.D
Acq: 16 May 2018 12:36



Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
58 74.7 63.2 94.8
43 56.6 41.2 61.8





#3

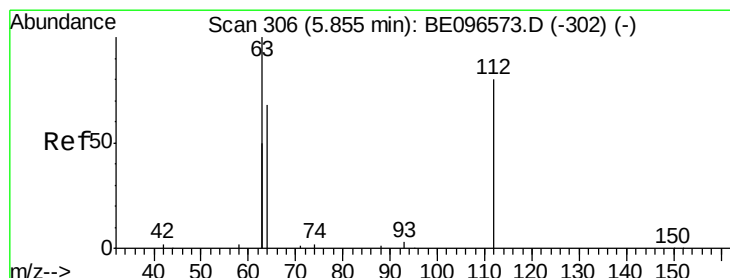
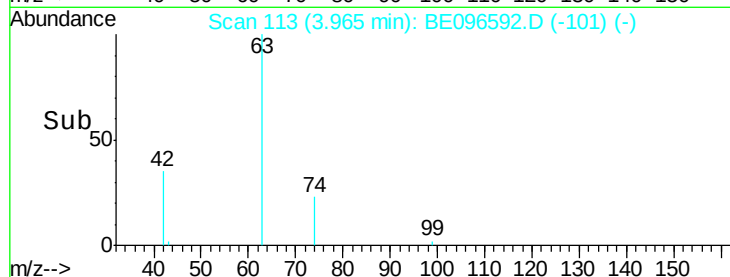
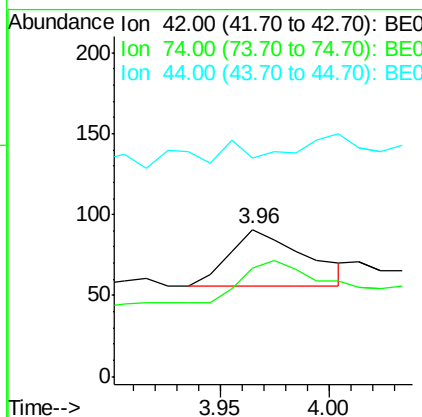
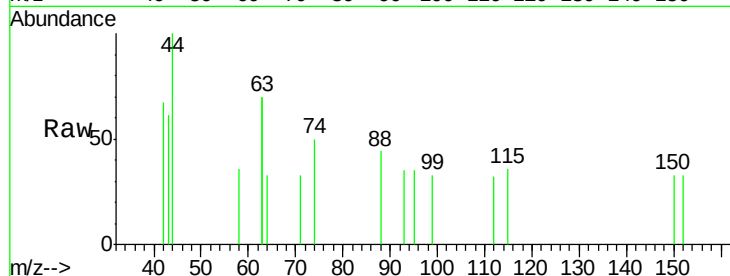
n-Nitrosodimethylamine
 Concen: 0.069 ng
 RT: 3.96 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: BE096592.D
 Acq: 16 May 2018 12:36

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:	42	Resp:	83
Ion	Ratio	Lower	Upper
42	100		
74	85.5	96.0	144.0#
44	12.0	12.0	18.0

Manual Integrations
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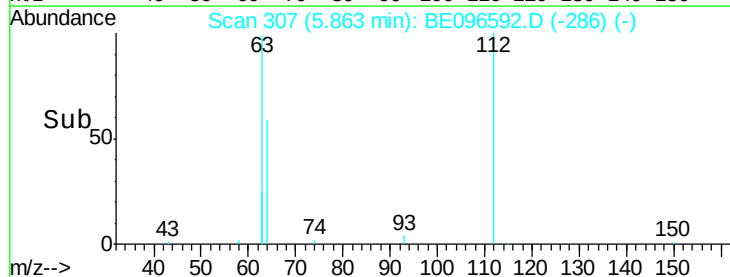
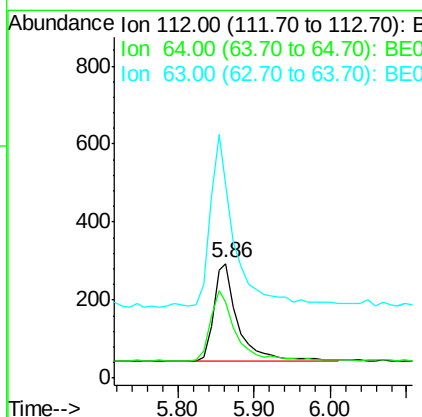
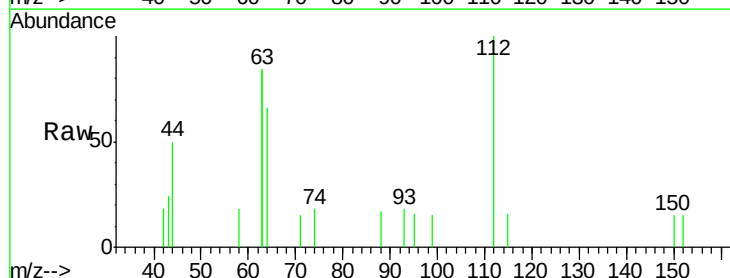
Sohil
 5/17/2018 5:05:50 PM

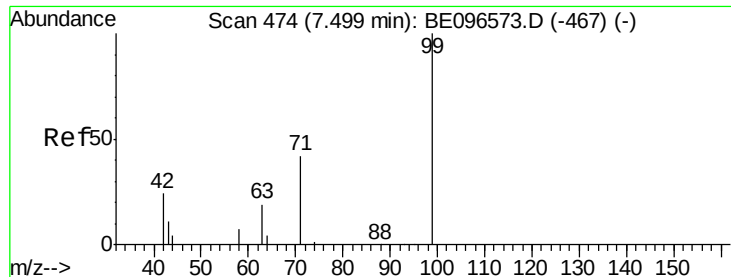


#4

2-Fluorophenol
 Concen: 0.318 ng
 RT: 5.86 min Scan# 307
 Delta R.T. 0.01 min
 Lab File: BE096592.D
 Acq: 16 May 2018 12:36

Tgt Ion:	112	Resp:	564
Ion	Ratio	Lower	Upper
112	100		
64	76.6	60.1	90.1
63	166.7	116.8	175.2





#5

Phenol-d6

Concen: 0.295 ng

RT: 7.51 min Scan# 475

Delta R.T. 0.01 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

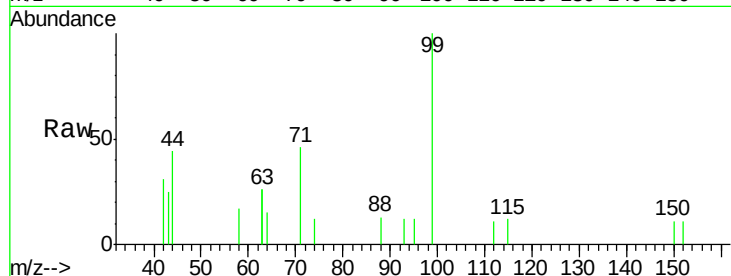
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

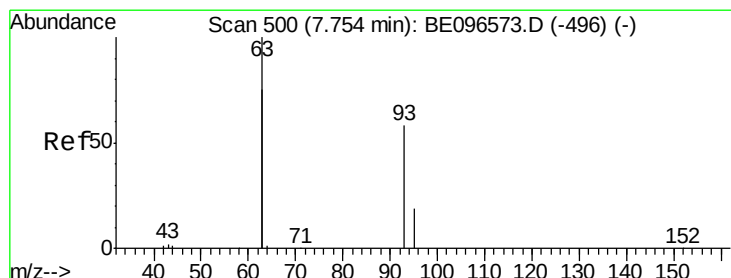
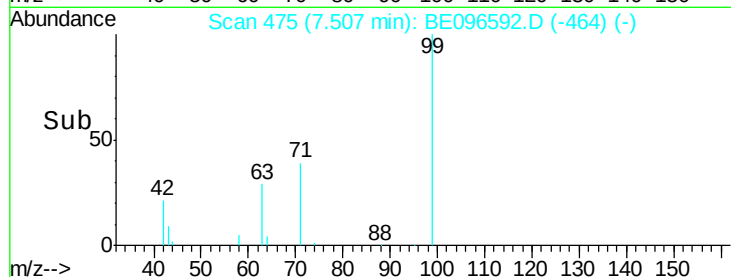
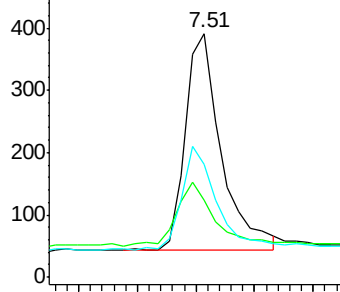
Tgt Ion:	99	Resp:	739
Ion	Ratio	Lower	Upper
99	100		
42	31.1	20.2	30.2#
71	46.4	28.4	42.6#

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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.094 ng

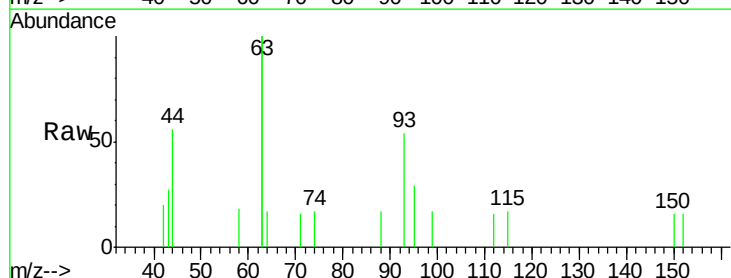
RT: 7.75 min Scan# 500

Delta R.T. -0.00 min

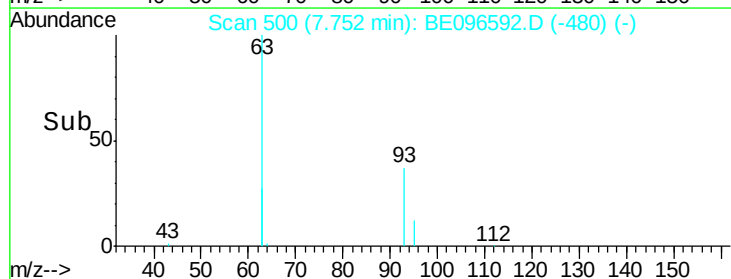
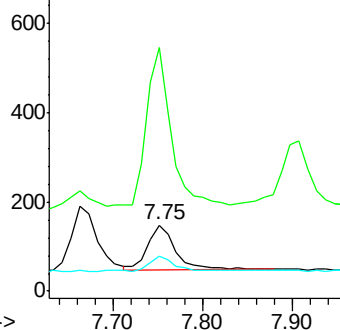
Lab File: BE096592.D

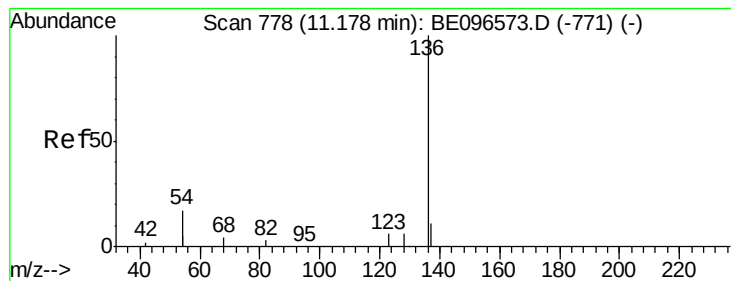
Acq: 16 May 2018 12:36

Tgt Ion:	93	Resp:	220
Ion	Ratio	Lower	Upper
93	100		
63	297.7	275.3	412.9
95	35.9	25.2	37.8



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.18 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

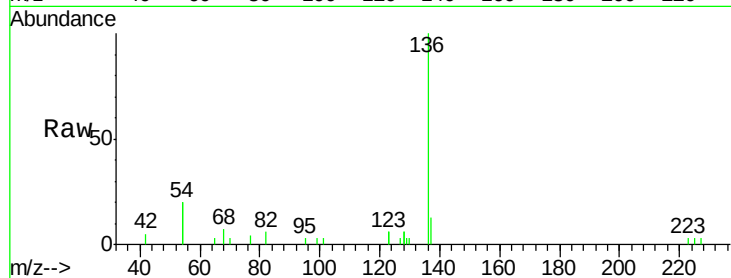
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tgt Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.5	14.3
54	39.0	29.1	43.7
68	7.3	6.2	9.2

Manual Integrations
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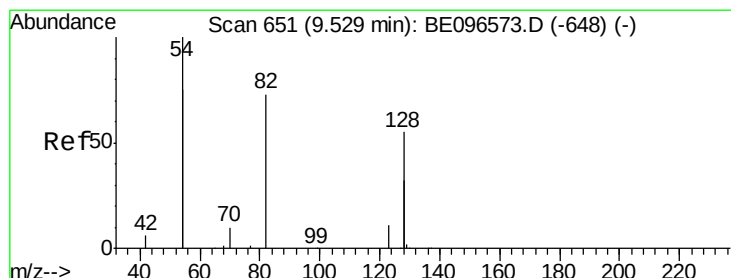
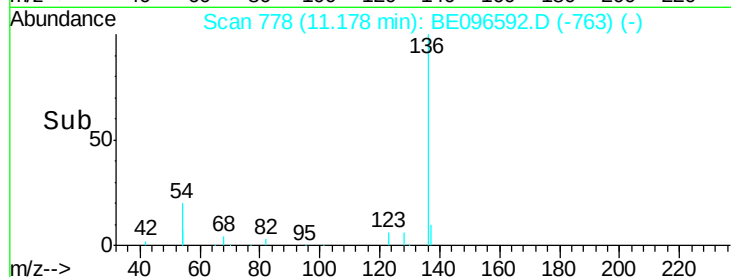
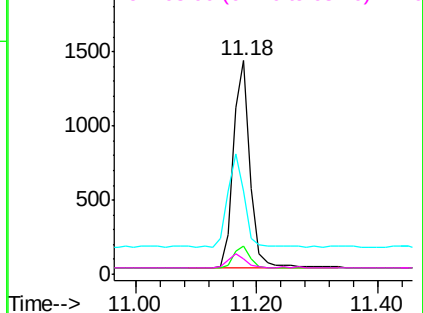


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.351 ng

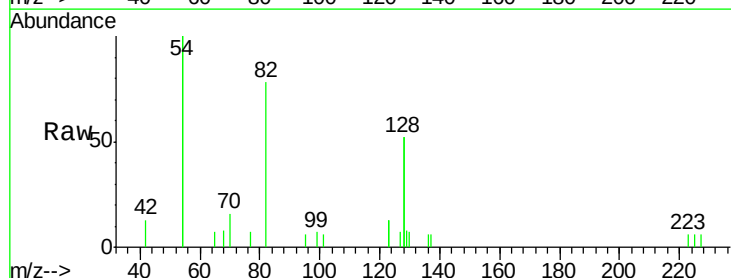
RT: 9.53 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

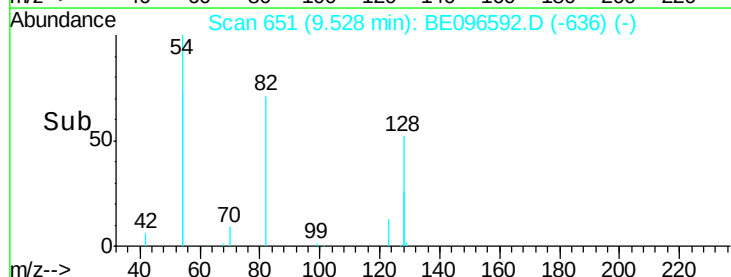
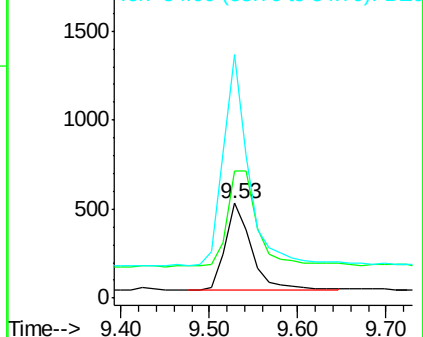
Tgt Ion	Ratio	Lower	Upper
82	100		
128	133.7	150.0	225.0#
54	256.2	154.2	231.4#

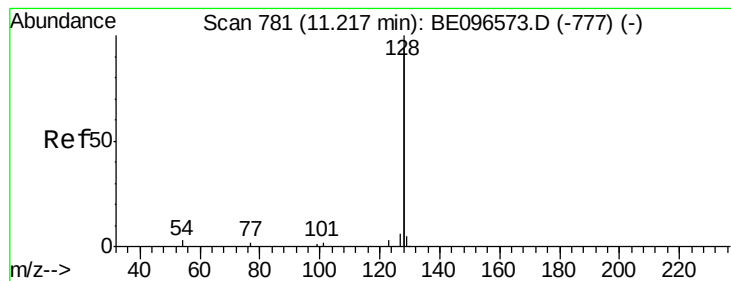


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.092 ng

RT: 11.22 min Scan# 781

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

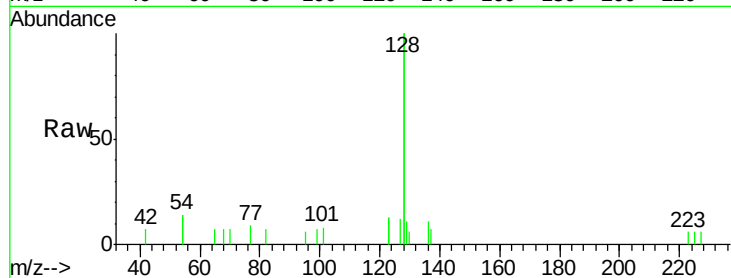
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:	128	Resp:	2624
Ion Ratio	Lower	Upper	
128	100		
129	5.5	2.6	3.8#
127	6.1	2.8	4.2#

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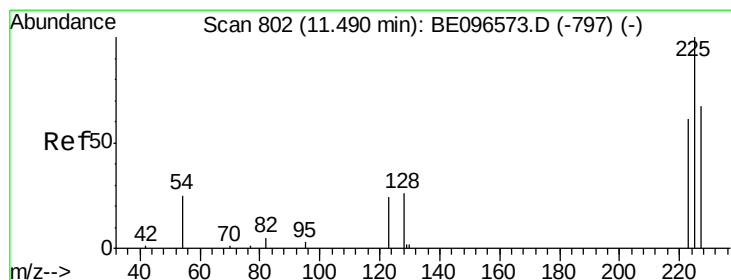
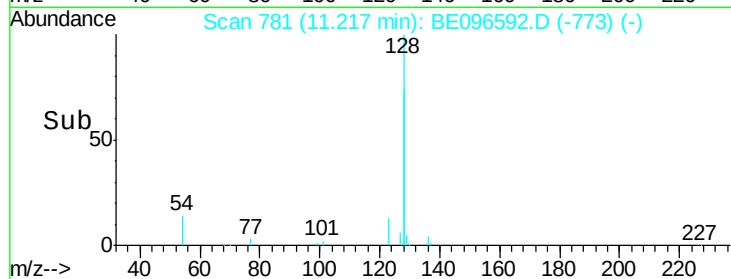
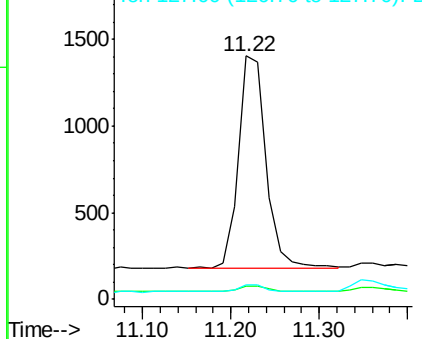
Sohil
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.093 ng

RT: 11.49 min Scan# 802

Delta R.T. -0.00 min

Lab File: BE096592.D

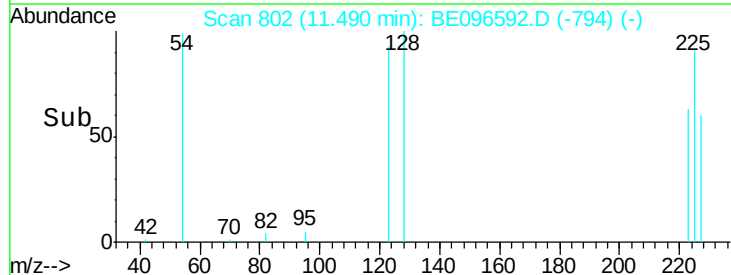
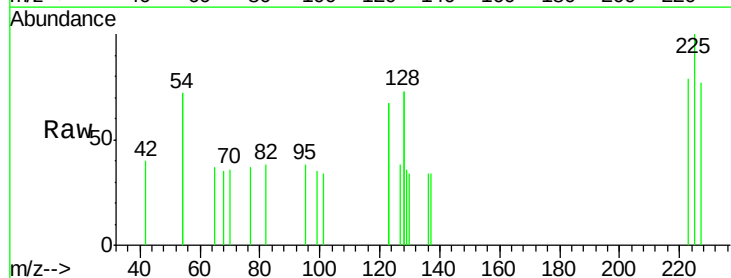
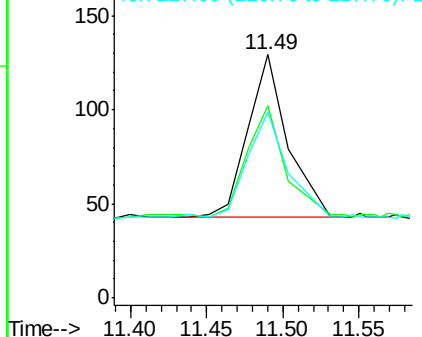
Acq: 16 May 2018 12:36

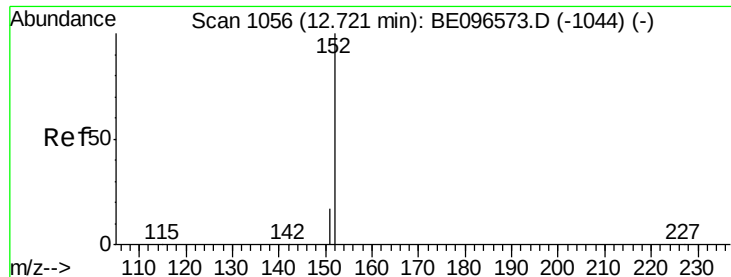
Tgt Ion:	225	Resp:	149
Ion Ratio	Lower	Upper	
225	100		
223	60.4	53.0	79.6
227	65.1	51.4	77.2

Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





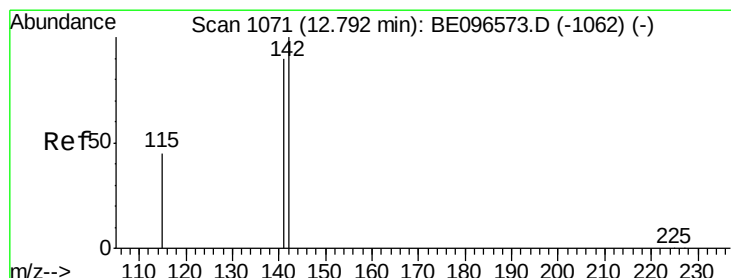
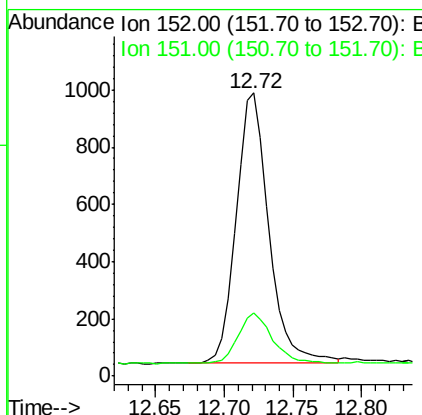
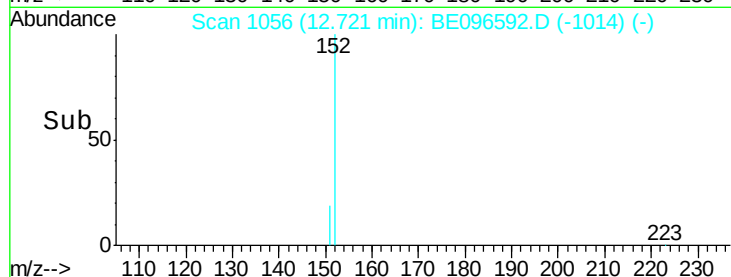
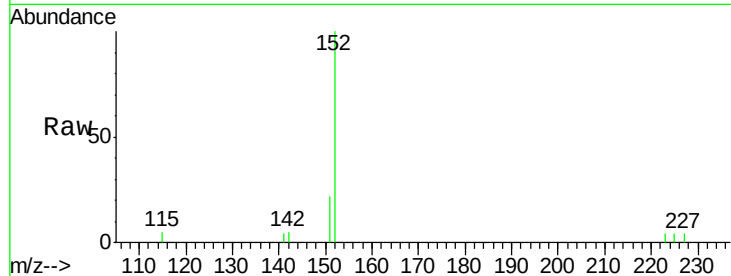
#11
2-Methylnaphthalene-d10
Concen: 0.358 ng
RT: 12.72 min Scan# 1056
Delta R.T. -0.00 min
Lab File: BE096592.D
Acq: 16 May 2018 12:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.4	23.0

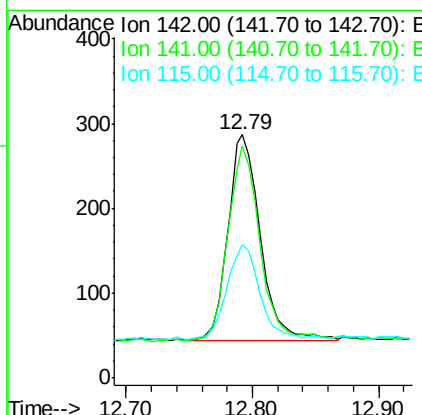
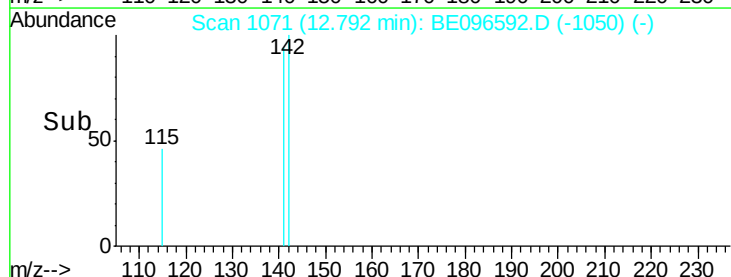
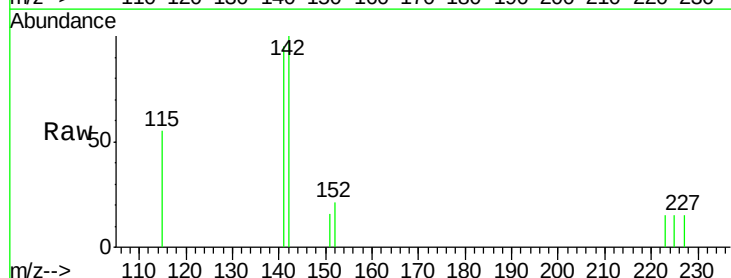
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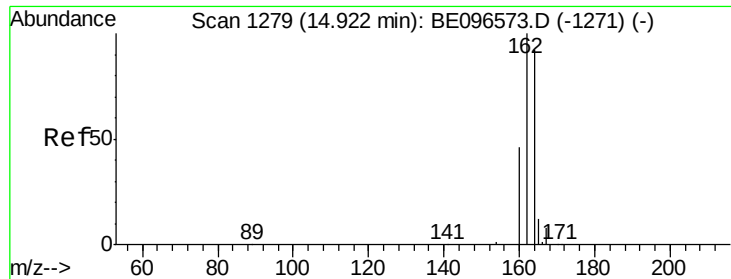
Sohil
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#12
2-Methylnaphthalene
Concen: 0.088 ng
RT: 12.79 min Scan# 1071
Delta R.T. -0.00 min
Lab File: BE096592.D
Acq: 16 May 2018 12:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.1	70.4	105.6
115	54.7	31.7	47.5#





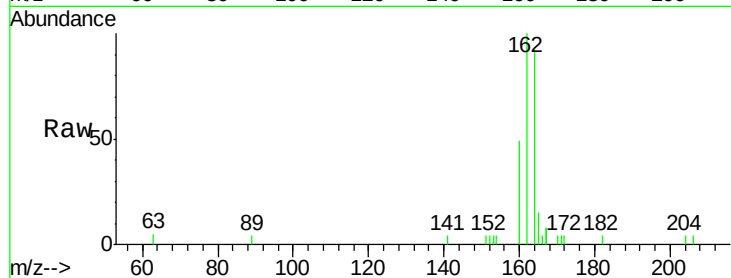
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.92 min Scan# 1279
 Delta R.T. 0.00 min
 Lab File: BE096592.D
 Acq: 16 May 2018 12:36

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	108.5	83.1	124.7	
160	52.9	37.1	55.7	

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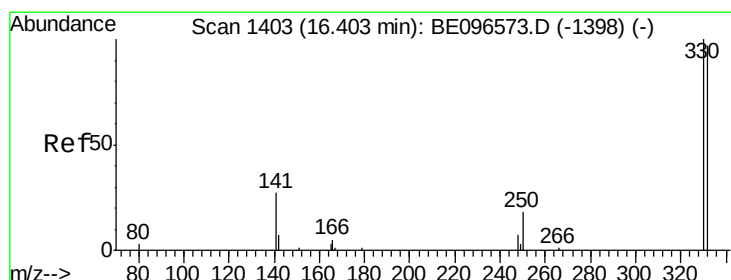
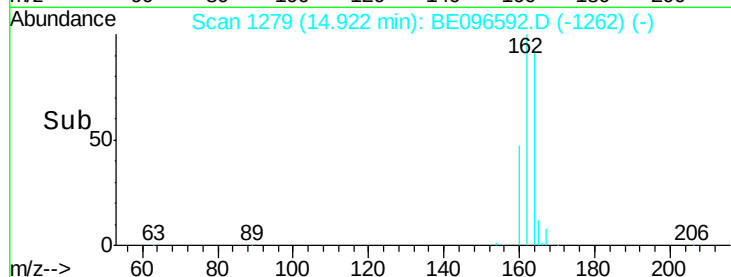
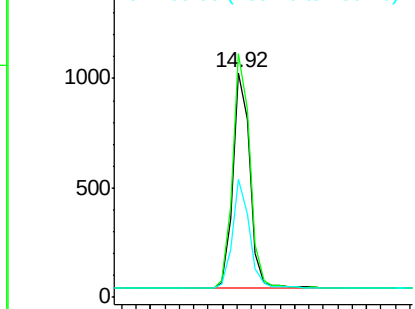


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
 2,4,6-Tribromophenol
 Concen: 0.243 ng
 RT: 16.40 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: BE096592.D
 Acq: 16 May 2018 12:36

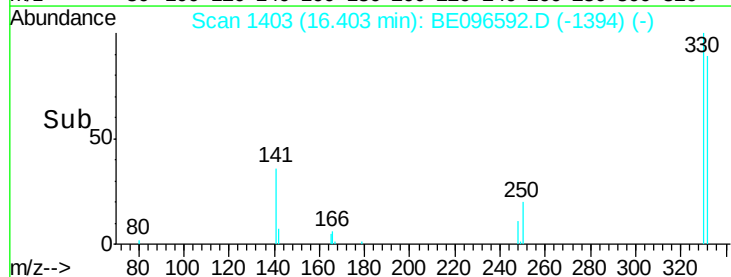
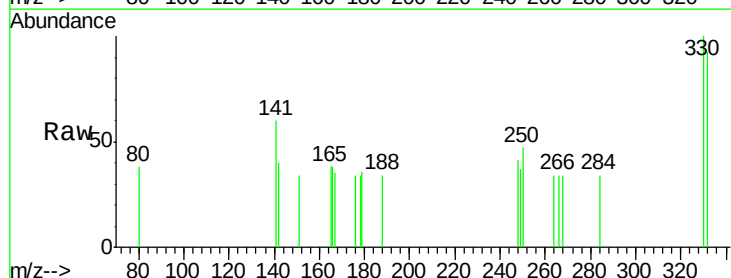
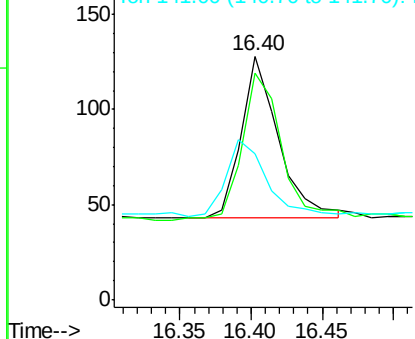
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.2	152.7	229.1#	
141	51.0	33.7	50.5#	

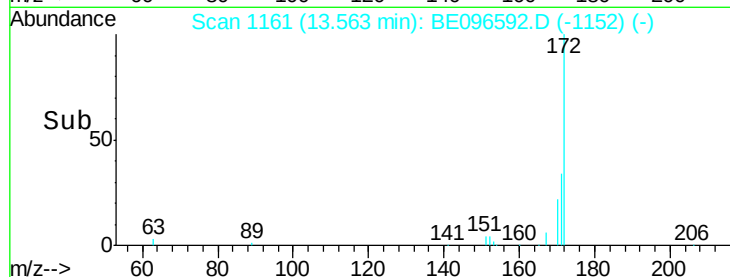
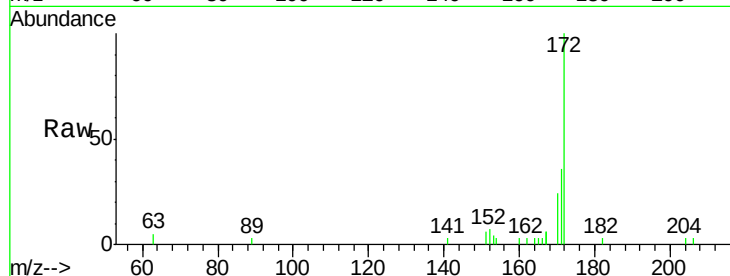
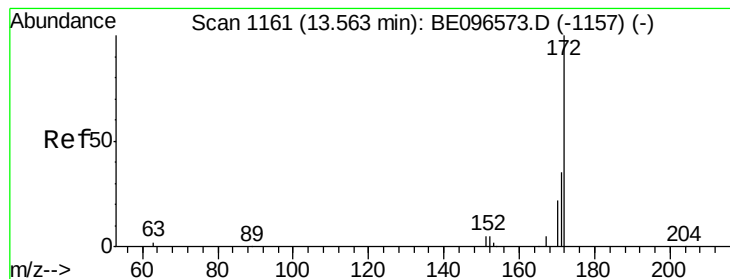
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





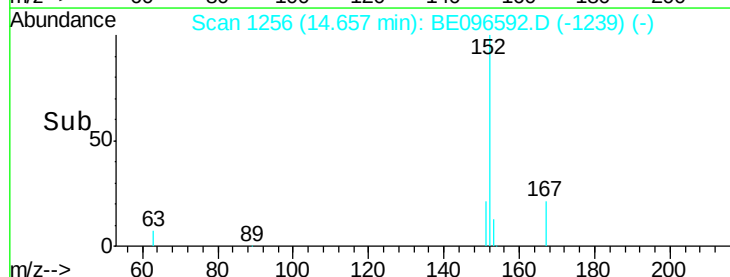
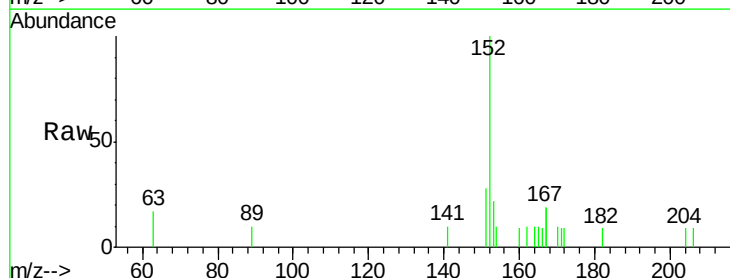
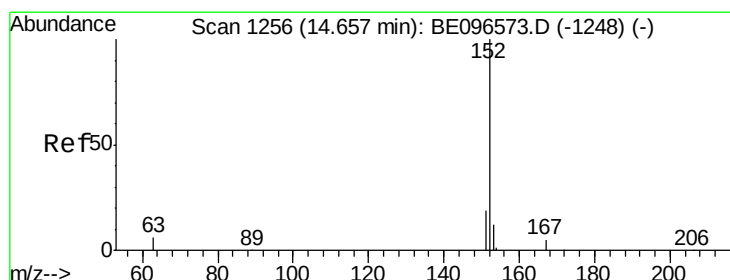
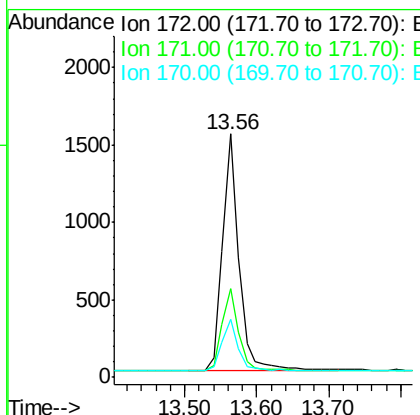
#15
2-Fluorobiphenyl
Concen: 0.353 ng
RT: 13.56 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BE096592.D
Acq: 16 May 2018 12:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.9	44.9
170	24.0	21.8	32.8

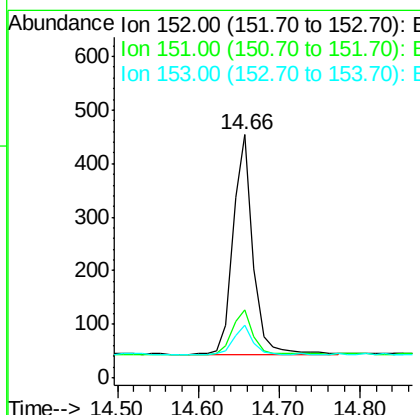
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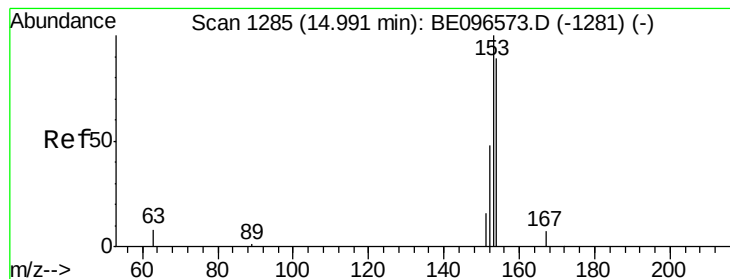
Sohil
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#16
Acenaphthylene
Concen: 0.083 ng
RT: 14.66 min Scan# 1256
Delta R.T. 0.00 min
Lab File: BE096592.D
Acq: 16 May 2018 12:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.4	15.7	23.5
153	13.2	10.5	15.7





#17

Acenaphthene

Concen: 0.086 ng

RT: 14.99 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BE096592.D

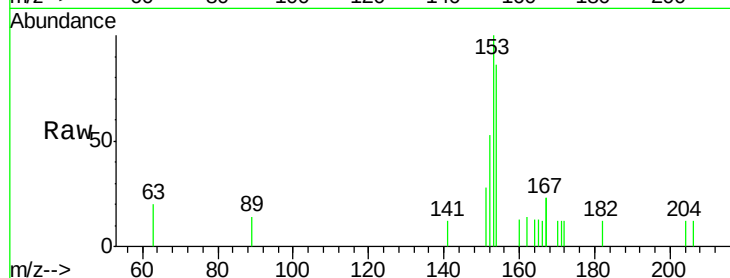
Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018



Tgt Ion:154 Resp: 439

Ion Ratio Lower Upper

154 100

153 125.1 89.2 133.8

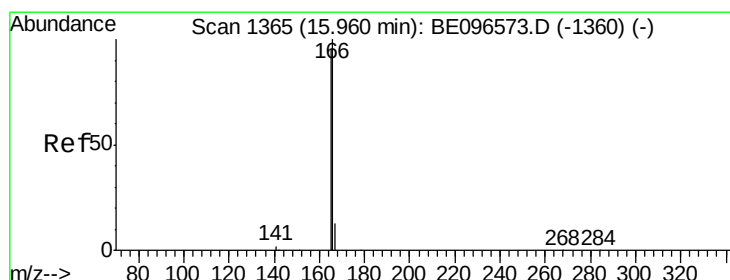
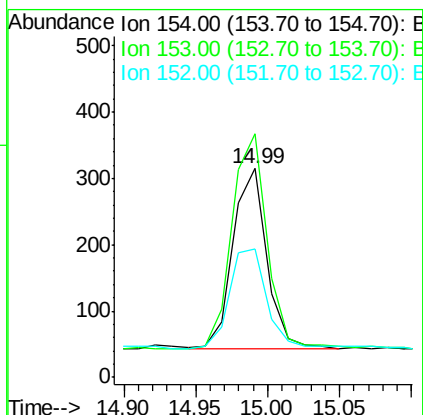
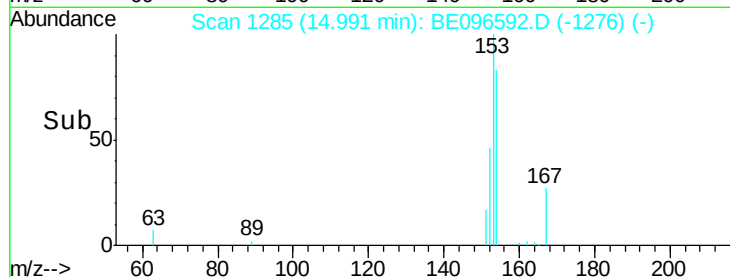
152 60.8 42.0 63.0

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#18

Fluorene

Concen: 0.088 ng

RT: 15.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

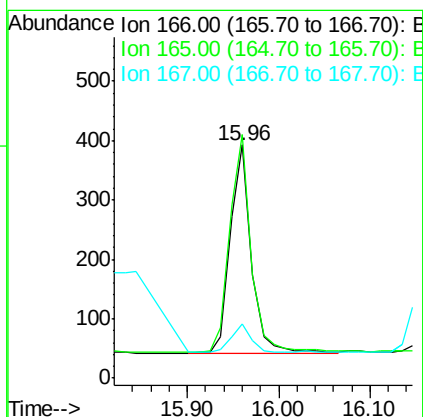
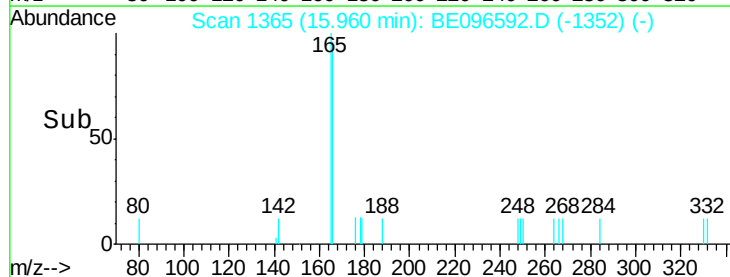
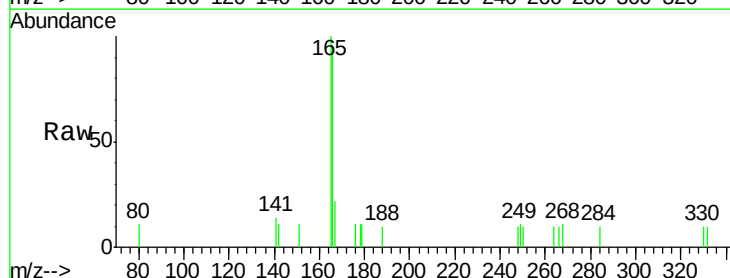
Tgt Ion:166 Resp: 560

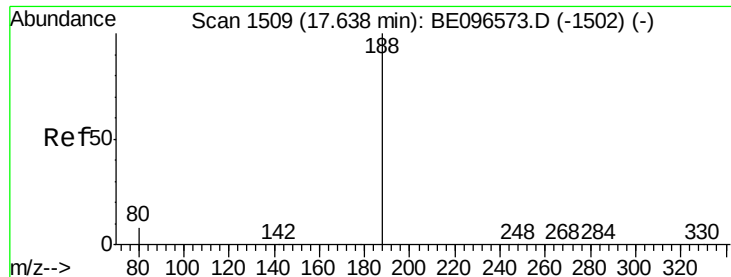
Ion Ratio Lower Upper

166 100

165 106.8 77.8 116.6

167 12.9 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.64 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

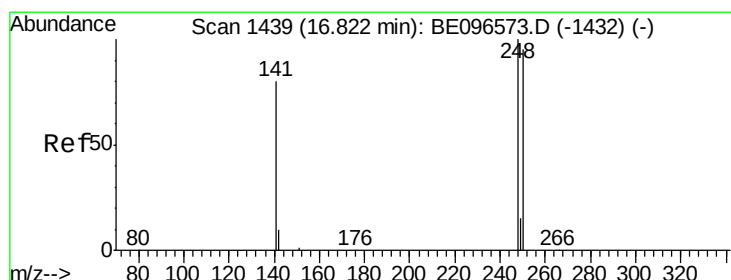
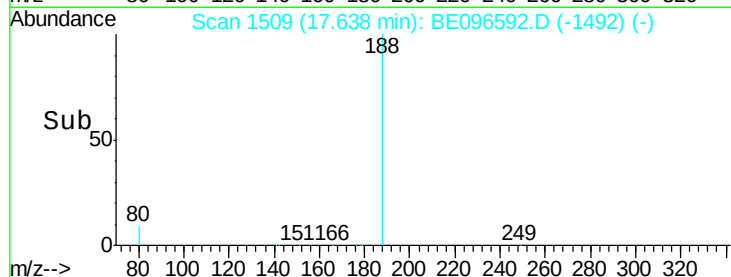
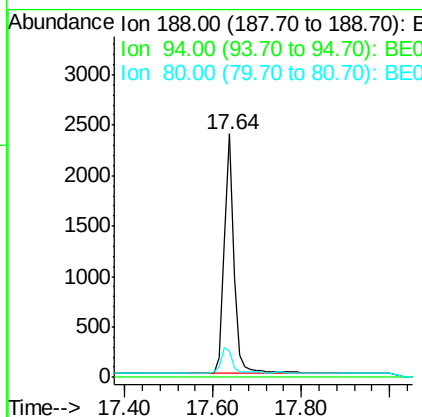
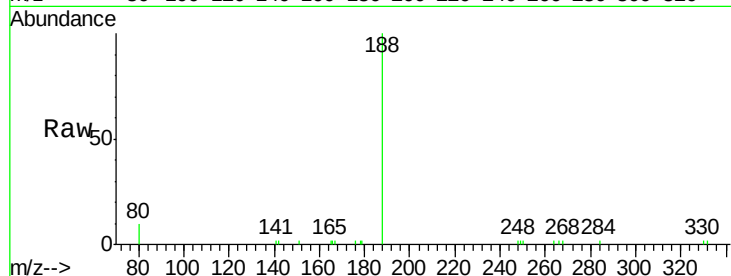
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:	188	Resp:	3629
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	10.5	3.6	5.4#

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#20

4-Bromophenyl-phenylether

Concen: 0.088 ng

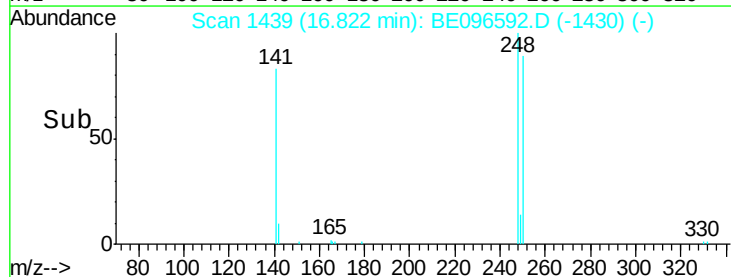
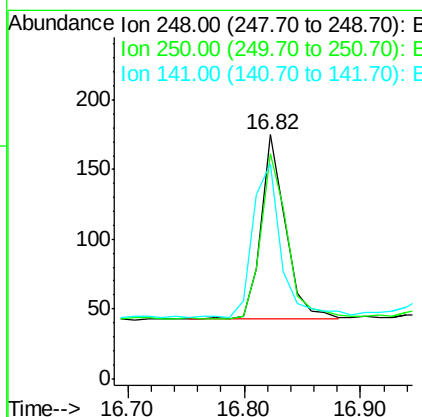
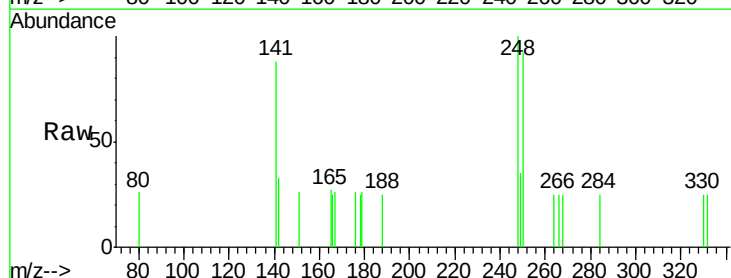
RT: 16.82 min Scan# 1439

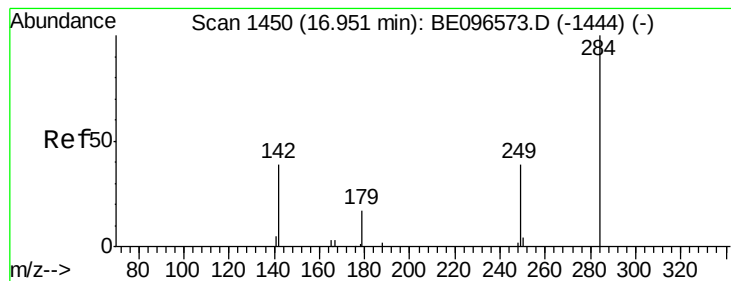
Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Tgt Ion:	248	Resp:	193
Ion Ratio	Lower	Upper	
248	100		
250	92.0	62.7	94.1
141	88.0	48.2	72.2#





#21

Hexachlorobenzene

Concen: 0.091 ng

RT: 16.95 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

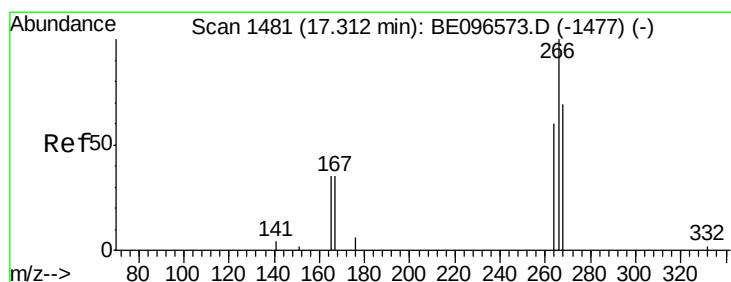
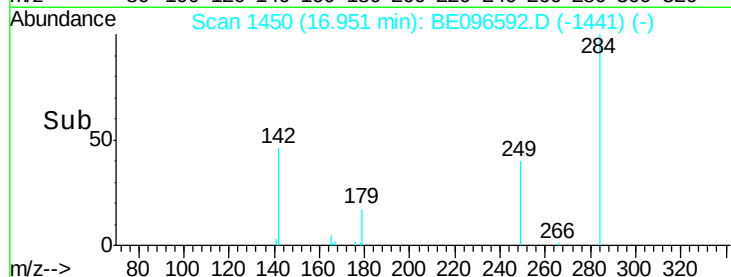
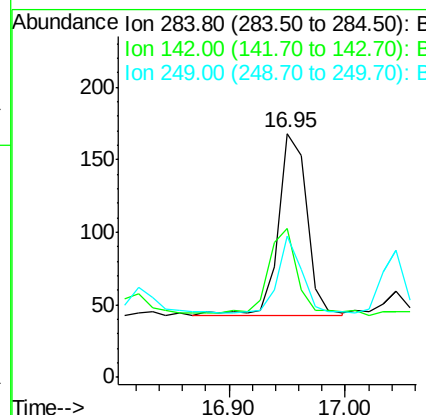
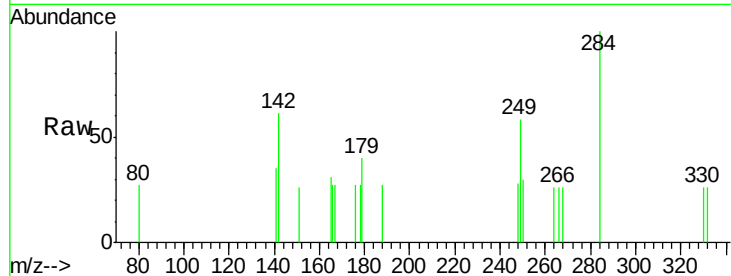
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:	284	Resp:	209
Ion Ratio	Lower	Upper	
284	100		
142	47.4	22.1	33.1#
249	36.4	34.8	52.2

Manual Integrations
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#22

Pentachlorophenol

Concen: 0.212 ng

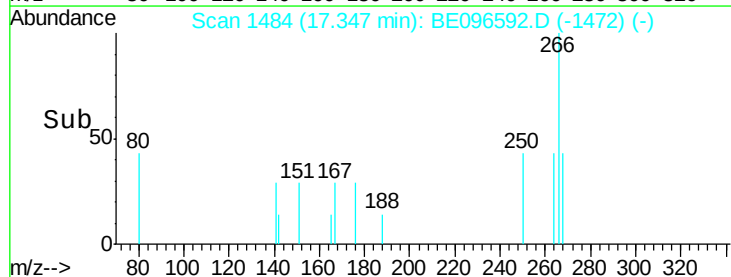
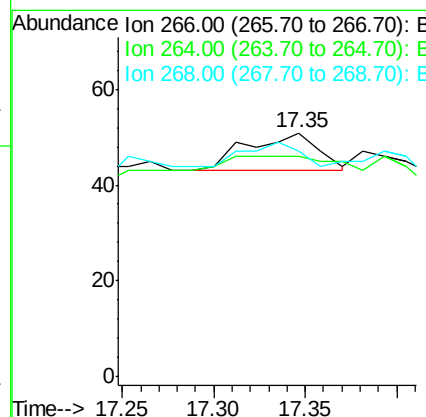
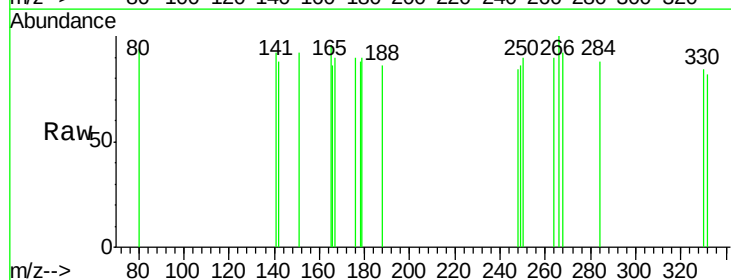
RT: 17.35 min Scan# 1484

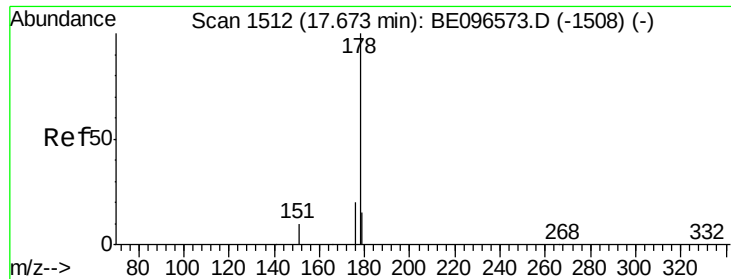
Delta R.T. 0.04 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Tgt Ion:	266	Resp:	22
Ion Ratio	Lower	Upper	
266	100		
264	90.2	72.5	108.7
268	92.2	73.8	110.6





#23

Phenanthrene

Concen: 0.088 ng

RT: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

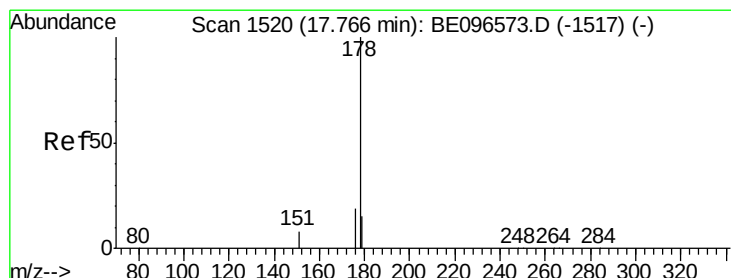
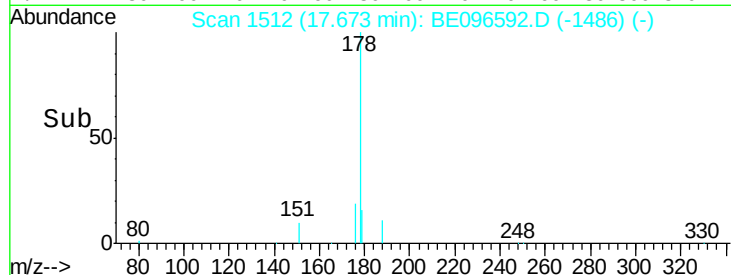
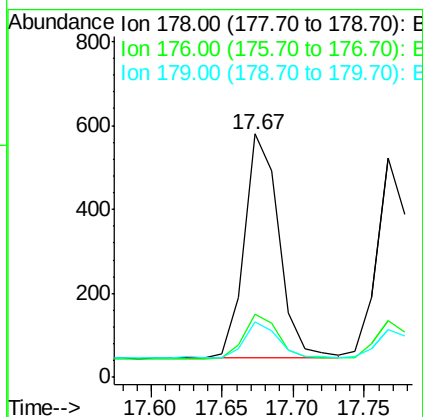
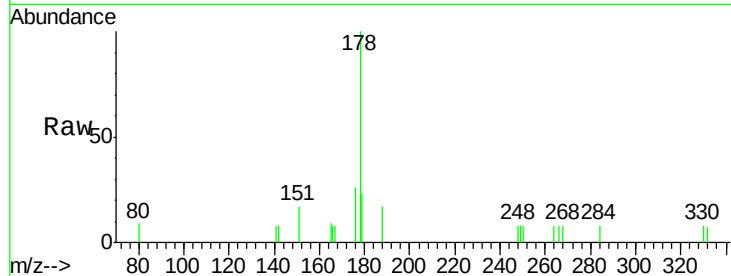
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:	178	Resp:	893
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.1	22.7
179	15.0	11.8	17.6

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#24

Anthracene

Concen: 0.083 ng

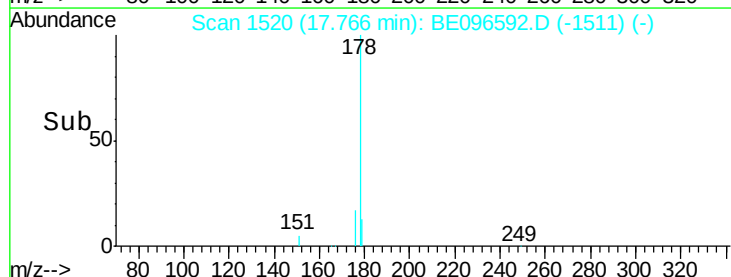
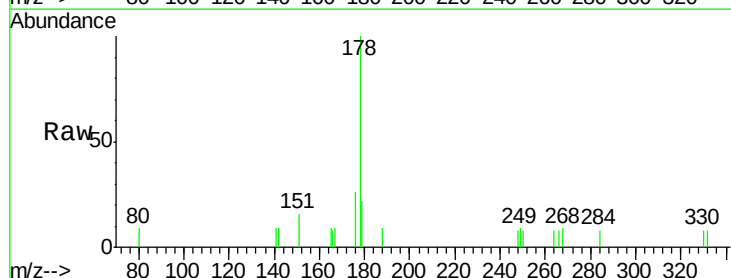
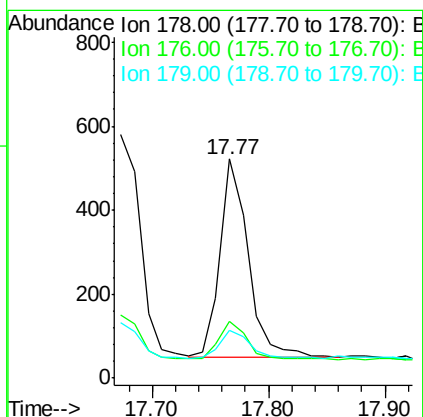
RT: 17.77 min Scan# 1520

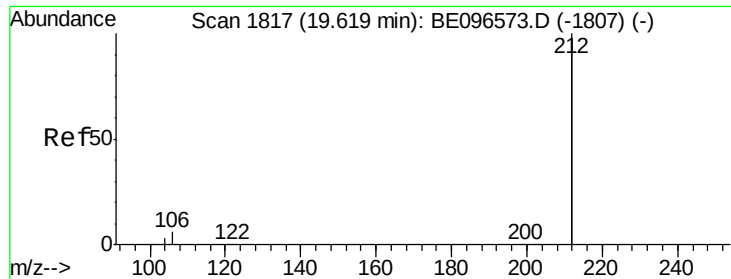
Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Tgt Ion:	178	Resp:	786
Ion Ratio	Lower	Upper	
178	100		
176	19.7	12.8	19.2#
179	15.8	13.0	19.6





#25

Fluoranthene-d10

Concen: 0.368 ng

RT: 19.62 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

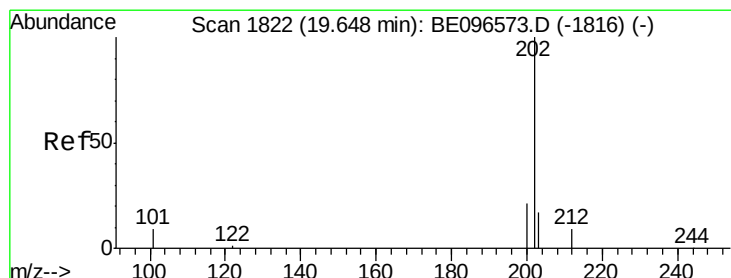
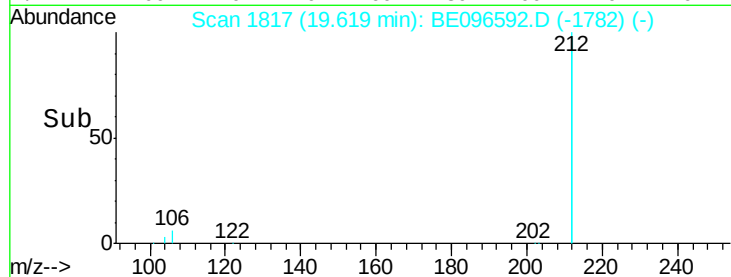
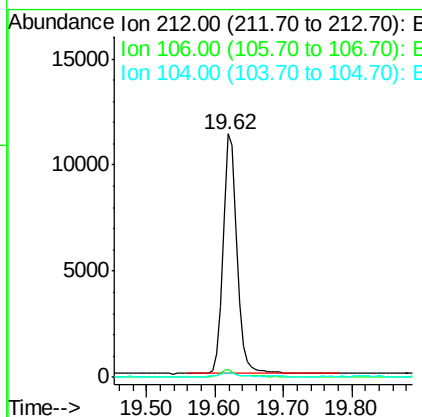
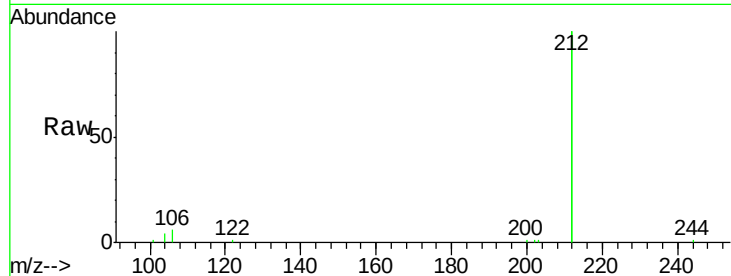
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tgt Ion	Ratio	Resp	Lower	Upper
212	100	16310		
106	2.7		2.8	4.2#
104	1.6		1.6	2.4

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#26

Fluoranthene

Concen: 0.089 ng

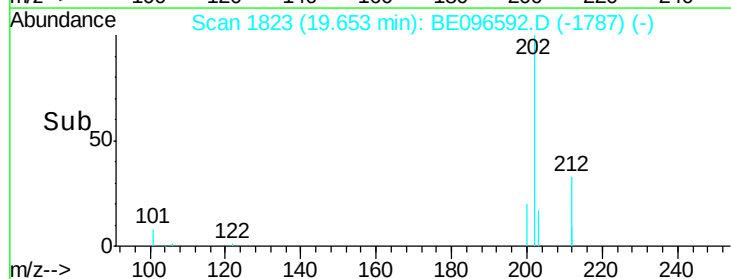
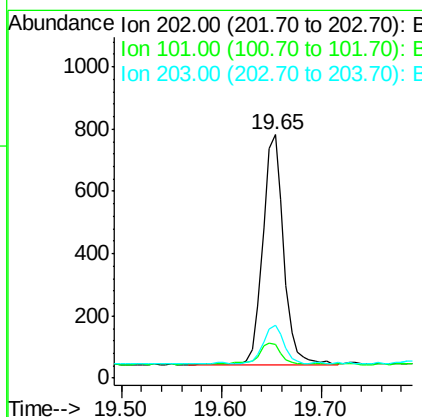
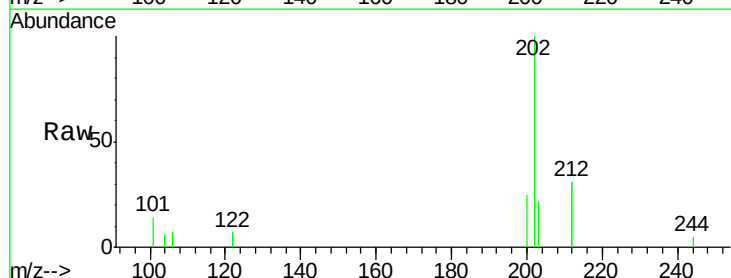
RT: 19.65 min Scan# 1823

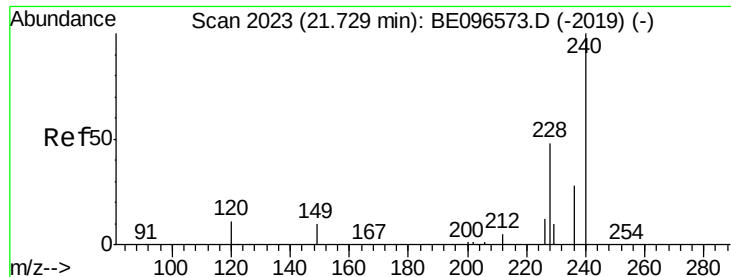
Delta R.T. 0.01 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1082		
101	9.7		9.8	14.8#
203	17.0		13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

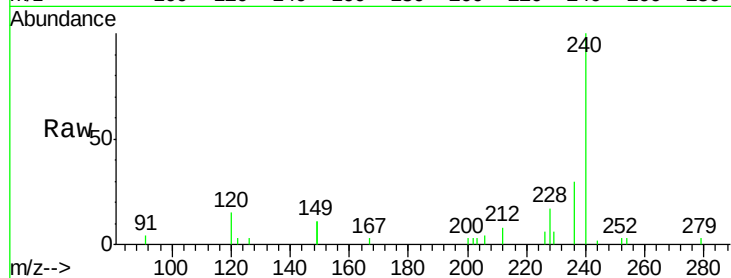
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.0	5.5	8.3#
236	30.0	20.7	31.1

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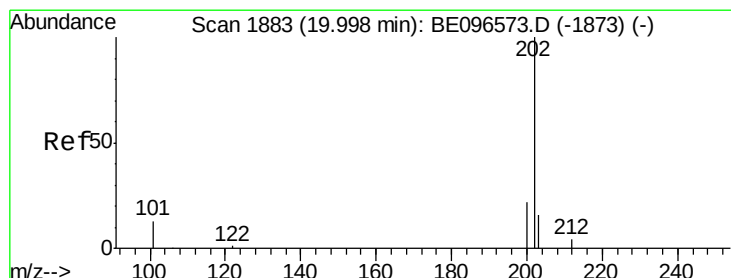
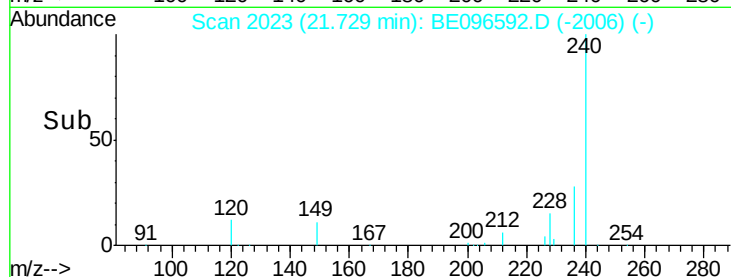
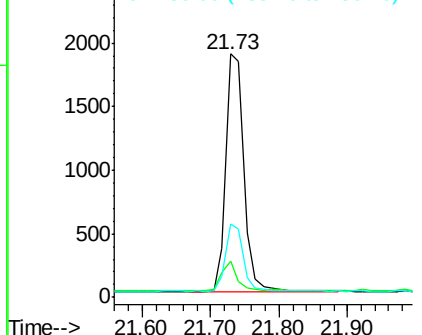
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.080 ng

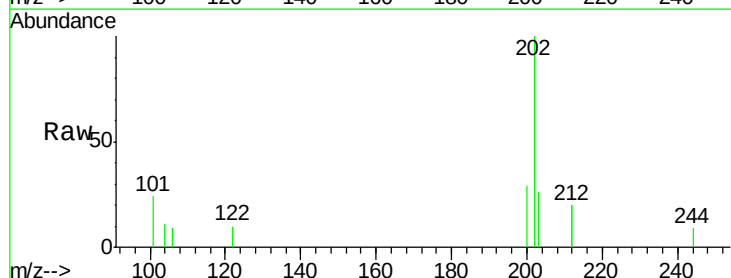
RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

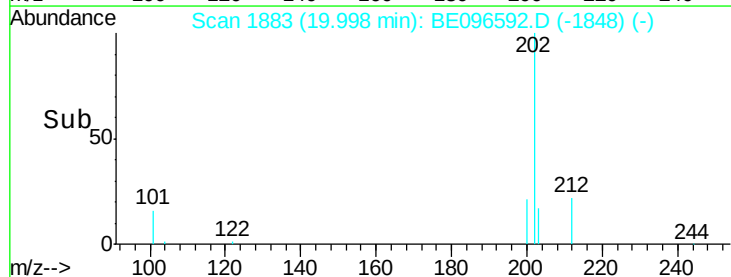
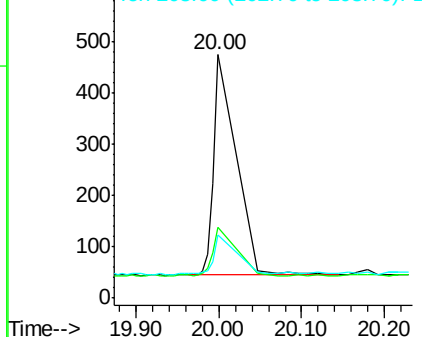
Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.8	16.6	25.0
203	17.6	13.8	20.8

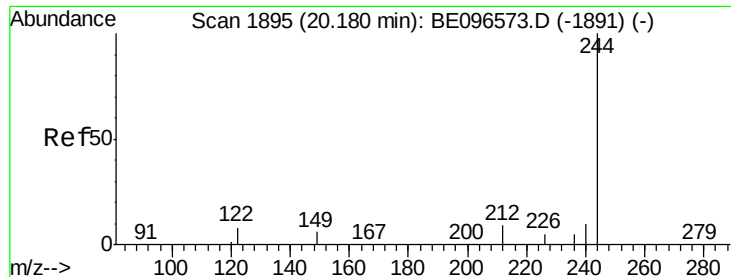


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.318 ng

RT: 20.18 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

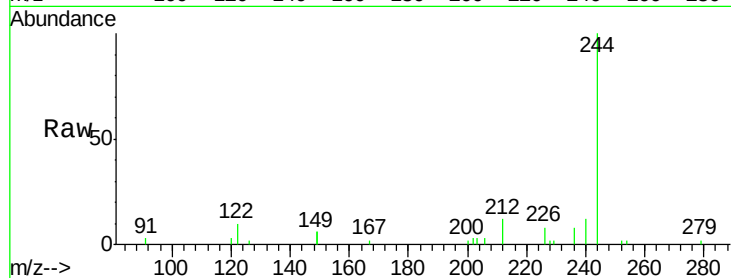
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.8	25.4	38.0#
122	9.7	8.1	12.1

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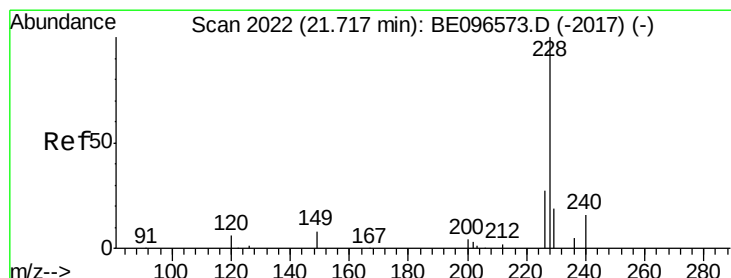
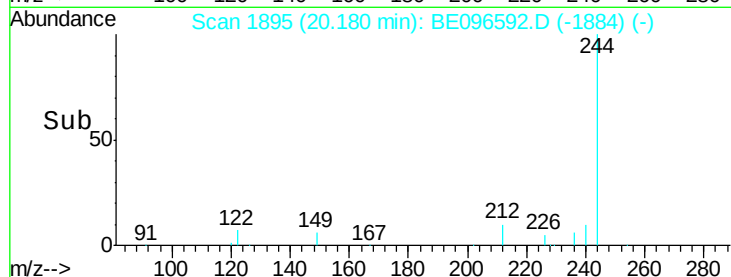
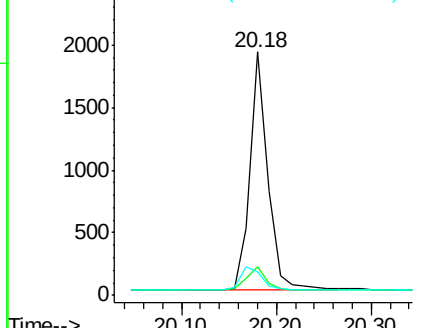
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.087 ng

RT: 21.72 min Scan# 222

Delta R.T. -0.00 min

Lab File: BE096592.D

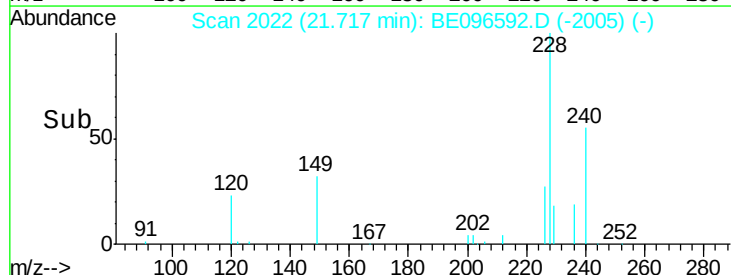
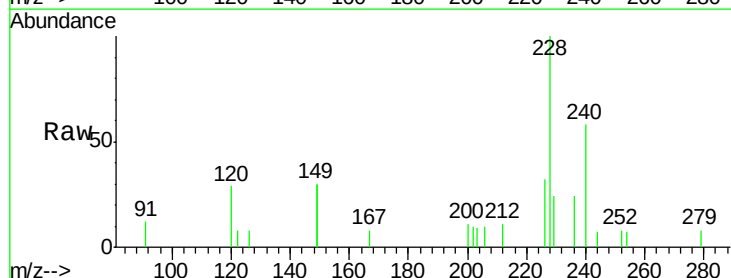
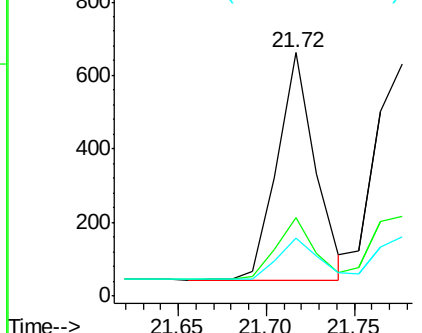
Acq: 16 May 2018 12:36

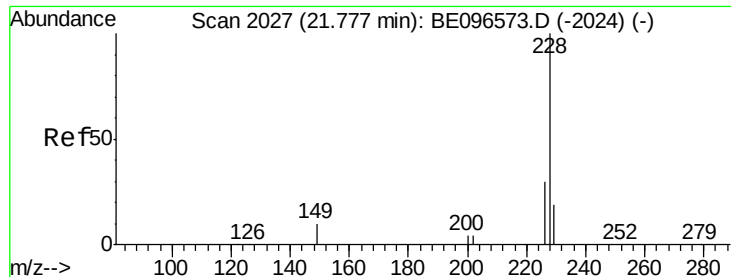
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.0	36.0
229	23.7	16.0	24.0

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.090 ng m

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

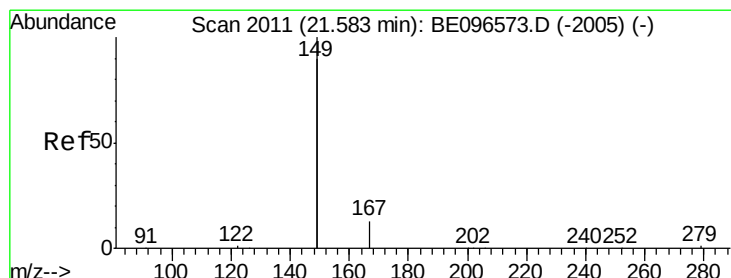
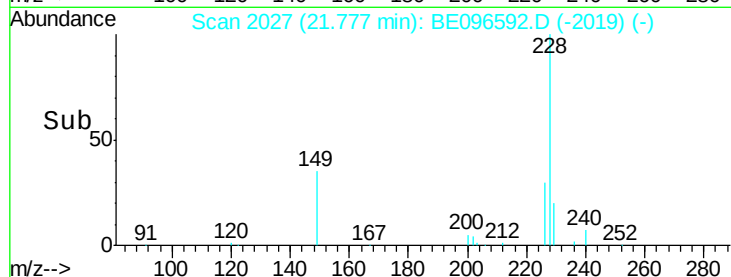
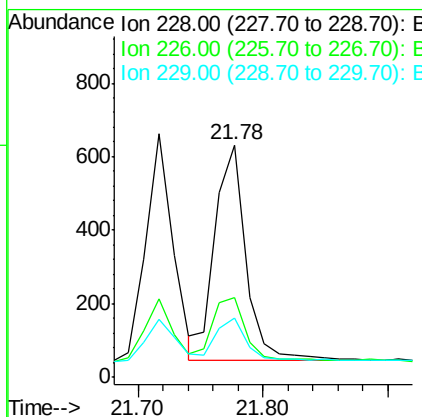
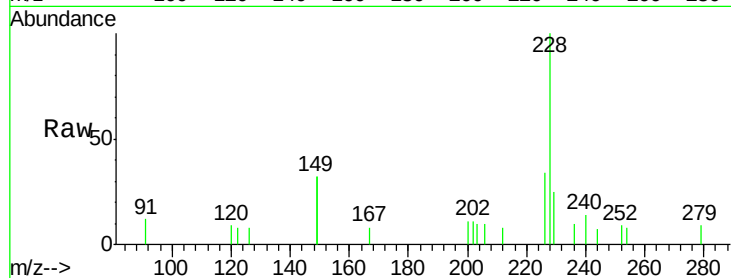
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:	228	Resp:	1000
Ion Ratio	Lower	Upper	
228	100		
226	34.5	24.0	36.0
229	25.5	16.0	24.0#

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.085 ng

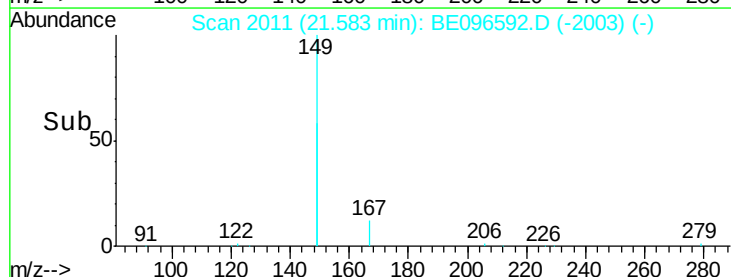
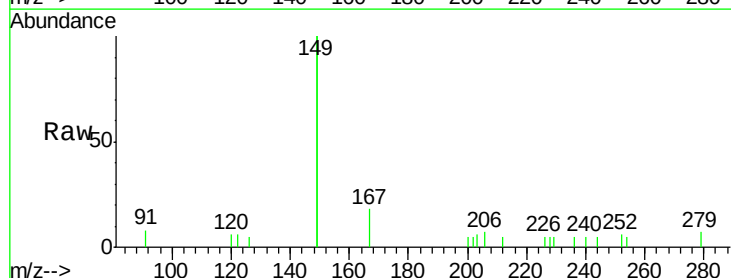
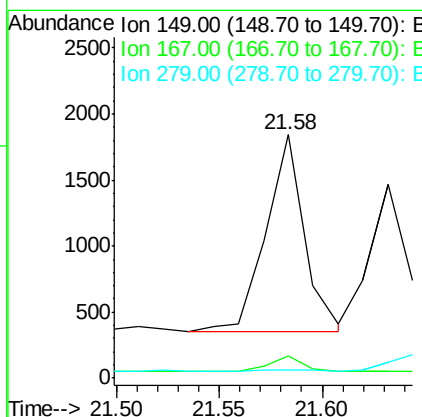
RT: 21.58 min Scan# 2011

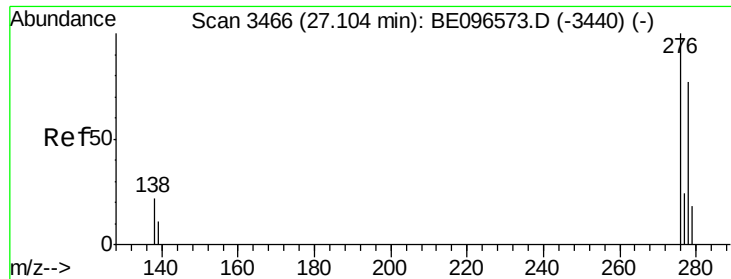
Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Tgt Ion:	149	Resp:	1931
Ion Ratio	Lower	Upper	
149	100		
167	7.4	5.4	8.0
279	1.2	0.7	1.1#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.081 ng m

RT: 27.11 min Scan# 3468

Delta R.T. 0.01 min

Lab File: BE096592.D

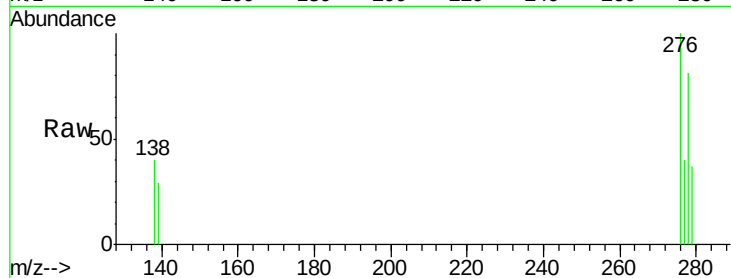
Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018



Tgt Ion: 276 Resp: 856

Ion Ratio Lower Upper

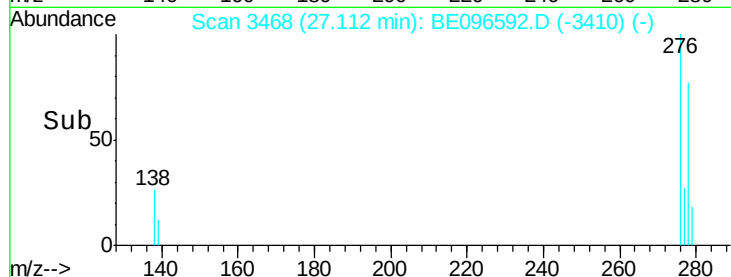
276 100

138 21.0 22.5 33.7#

277 25.5 19.9 29.9

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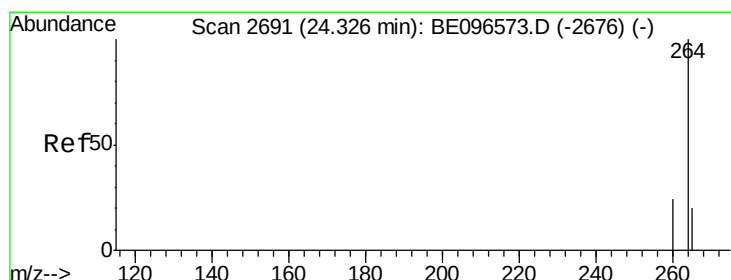
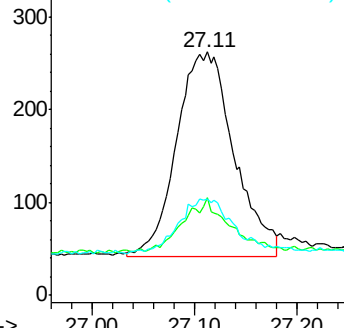
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.33 min Scan# 2692

Delta R.T. 0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

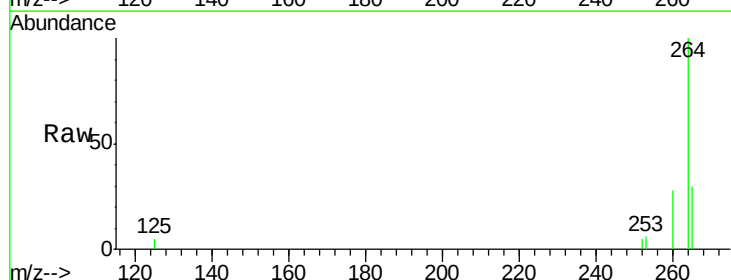
Tgt Ion: 264 Resp: 3124

Ion Ratio Lower Upper

264 100

260 27.8 20.5 30.7

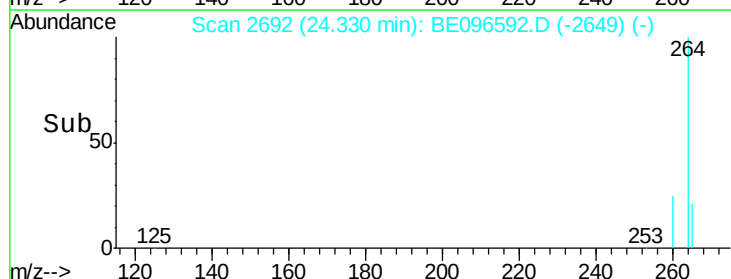
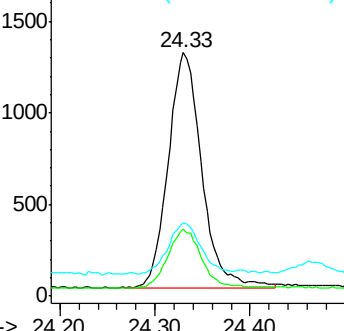
265 30.1 22.8 34.2

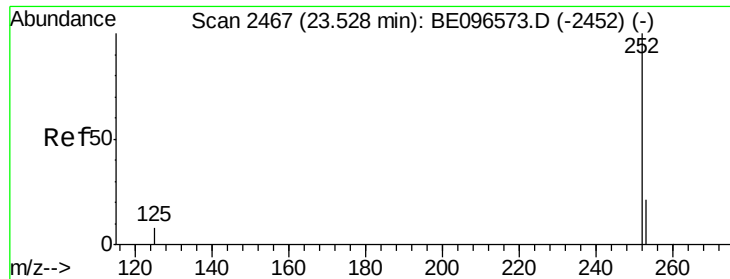


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.087 ng

RT: 23.53 min Scan# 2467

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

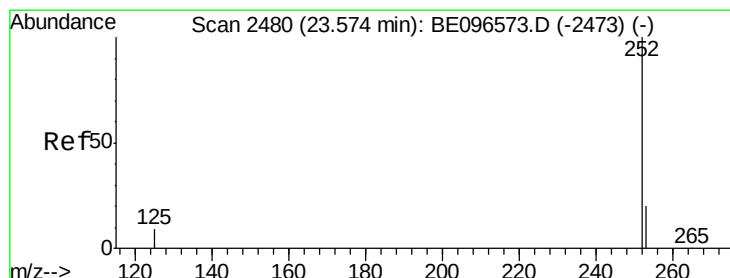
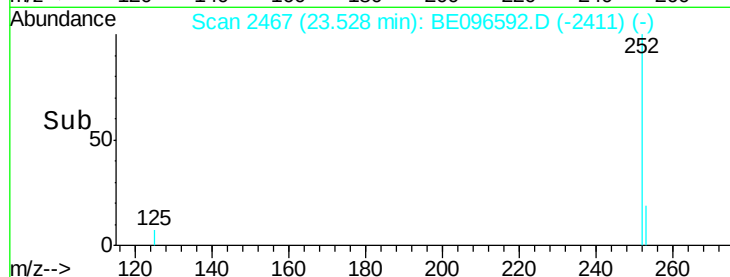
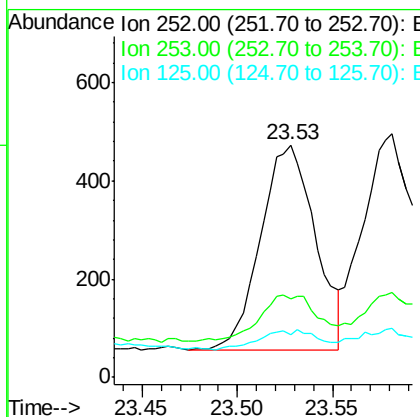
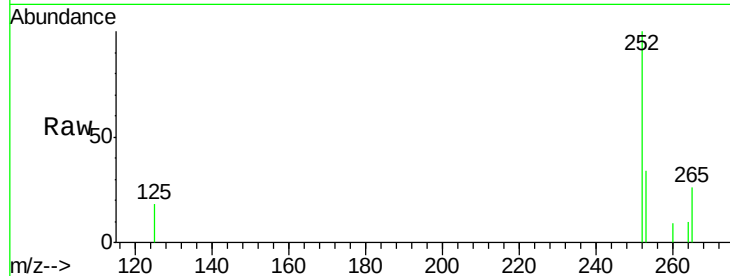
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:	252	Resp:	839
Ion Ratio	Lower	Upper	
252	100		
253	33.8	20.0	30.0#
125	18.4	16.0	24.0

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#36

Benzo(k)fluoranthene

Concen: 0.088 ng

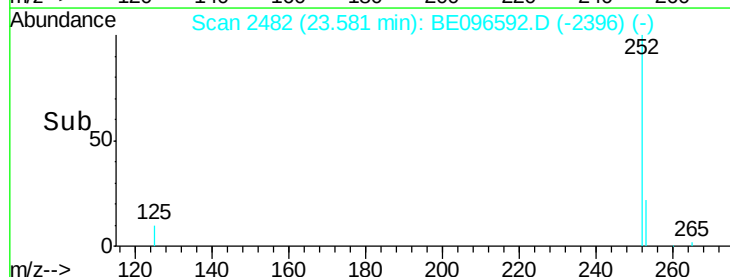
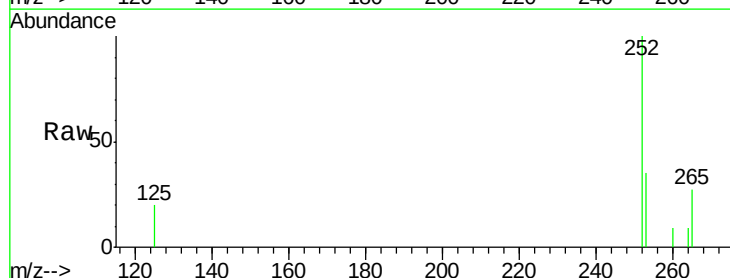
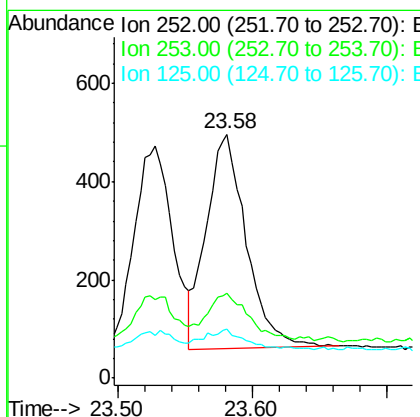
RT: 23.58 min Scan# 2482

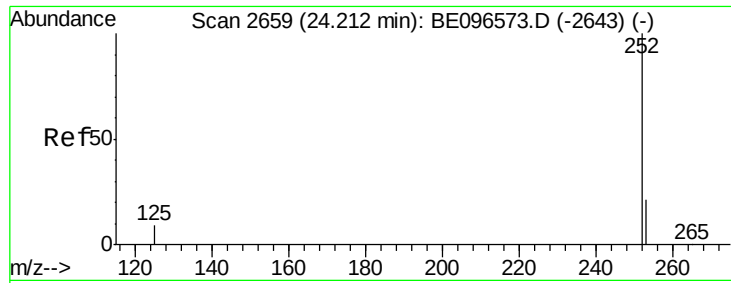
Delta R.T. 0.01 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Tgt Ion:	252	Resp:	898
Ion Ratio	Lower	Upper	
252	100		
253	34.9	16.0	24.0#
125	20.0	8.0	12.0#





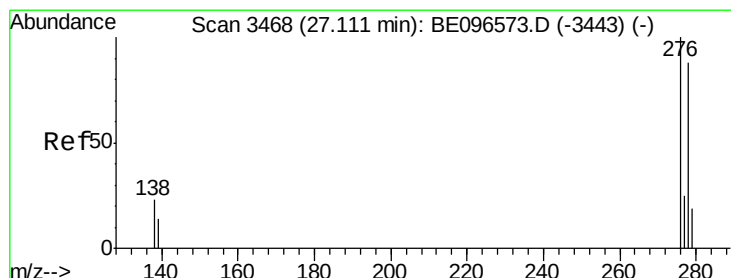
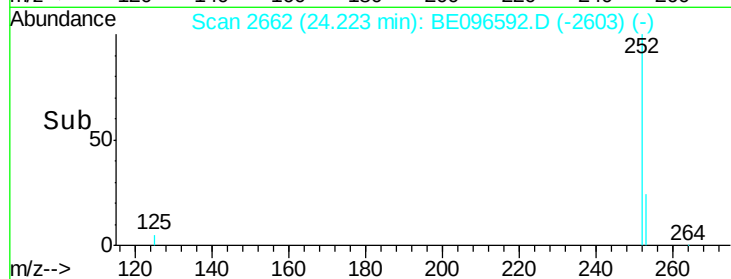
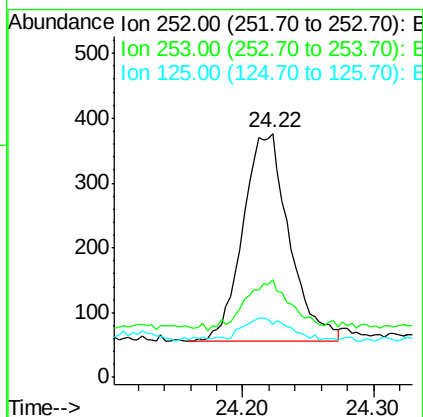
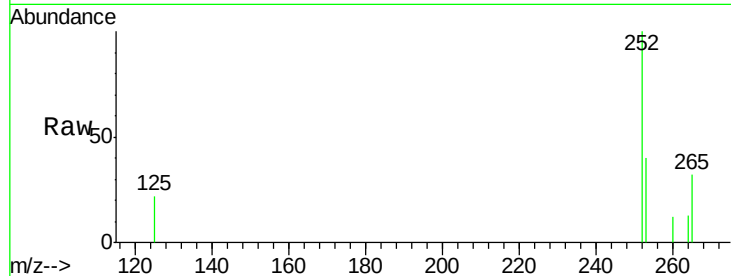
#37
Benzo(a)pyrene
Concen: 0.085 ng
RT: 24.22 min Scan# 2662
Delta R.T. 0.01 min
Lab File: BE096592.D
Acq: 16 May 2018 12:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	40.2	16.0	24.0#
125	21.5	12.0	18.0#

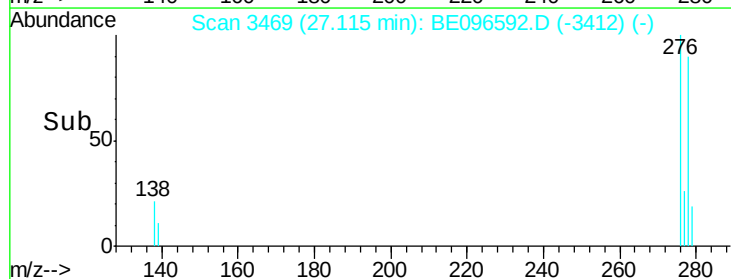
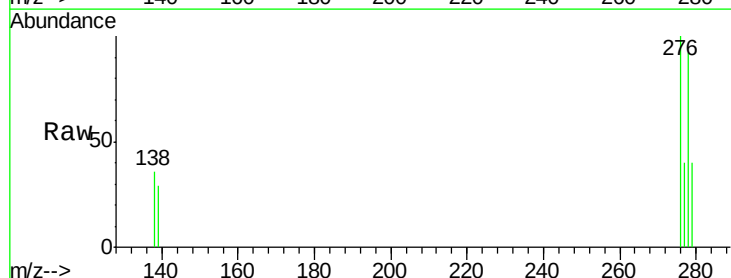
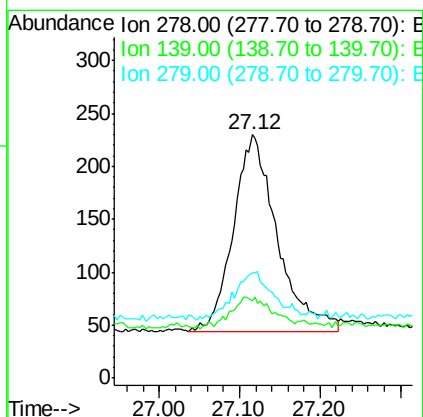
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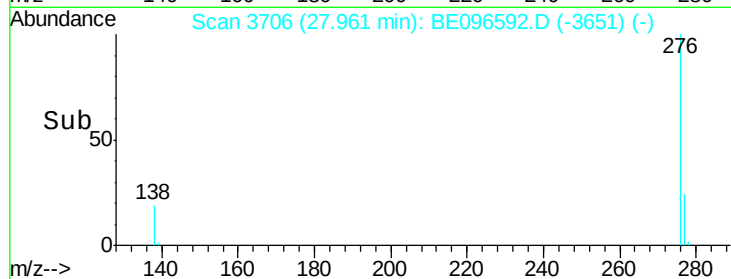
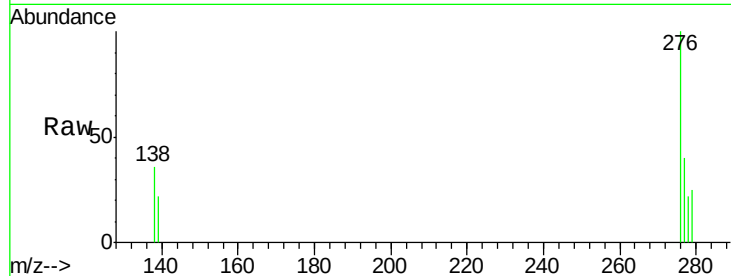
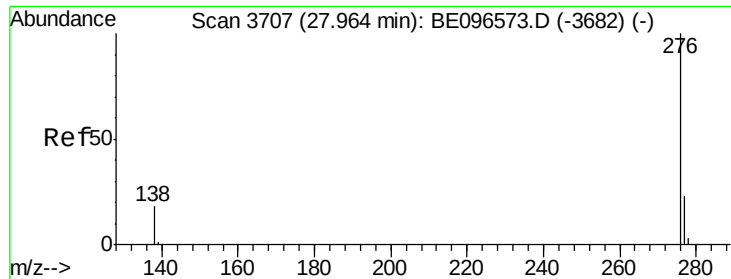
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#38
Dibenzo(a,h)anthracene
Concen: 0.084 ng
RT: 27.12 min Scan# 3469
Delta R.T. 0.00 min
Lab File: BE096592.D
Acq: 16 May 2018 12:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.7	16.0	24.0#
279	43.0	20.0	30.0#





#39

Benzo(g,h,i)perylene

Concen: 0.090 ng

RT: 27.96 min Scan# 3706

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

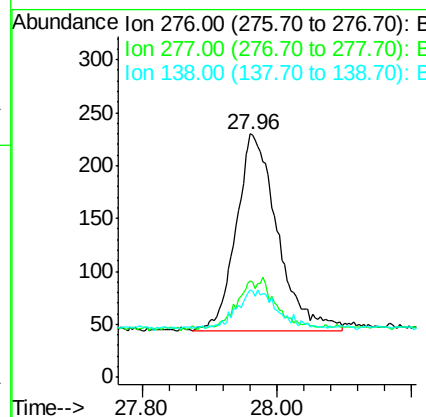
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tgt Ion	Ratio	Lower	Upper
276	100		
277	39.6	16.0	24.0#
138	36.1	20.0	30.0#

Manual Integrations
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Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051618\
 Data File : BE096592.D
 Acq On : 16 May 2018 12:36
 Operator : SJ/JU
 Sample : J2133-01
 Misc : LOD 0.1
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Manual Integrations
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 5/17/2018 5:05:50 PM

Quant Time: May 17 04:05:45 2018
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 15 13:02:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	643	0.40	ng	0.00
7) Naphthalene-d8	11.18	136	2711	0.40	ng	0.00
13) Acenaphthene-d10	14.92	164	1613	0.40	ng	0.00
19) Phenanthrene-d10	17.64	188	3629	0.40	ng	0.00
27) Chrysene-d12	21.73	240	3460	0.40	ng	0.00
34) Perylene-d12	24.33	264	3124	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.86	112	564	0.32	ng	0.00
5) Phenol-d6	7.51	99	739	0.29	ng	0.00
8) Nitrobenzene-d5	9.53	82	1013	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.72	152	1584	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.40	330	155	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.56	172	2443	0.35	ng	0.00
25) Fluoranthene-d10	19.62	212	16310	0.37	ng	0.00
29) Terphenyl-d14	20.18	244	2490	0.32	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.58	88	99	0.103	ng	94
3) n-Nitrosodimethylamine	3.96	42	83	0.069	ng	# 72
6) bis(2-Chloroethyl)ether	7.75	93	220	0.094	ng	80
9) Naphthalene	11.22	128	2624	0.092	ng	# 93
10) Hexachlorobutadiene	11.49	225	149	0.093	ng	96
12) 2-Methylnaphthalene	12.79	142	432	0.088	ng	# 87
16) Acenaphthylene	14.66	152	697	0.083	ng	96
17) Acenaphthene	14.99	154	439	0.086	ng	88
18) Fluorene	15.96	166	560	0.088	ng	# 74
20) 4-Bromophenyl-phenylether	16.82	248	193	0.088	ng	# 75
21) Hexachlorobenzene	16.95	284	209	0.091	ng	# 79
22) Pentachlorophenol	17.35	266	22	0.212	ng	100
23) Phenanthrene	17.67	178	893	0.088	ng	98
24) Anthracene	17.77	178	786	0.083	ng	# 95
26) Fluoranthene	19.65	202	1082	0.089	ng	# 97
28) Pyrene	20.00	202	500	0.080	ng	95
30) Benzo(a)anthracene	21.72	228	928	0.087	ng	95
31) Chrysene	21.78	228	1000m	0.090	ng	
32) Bis(2-ethylhexyl)phthalate	21.58	149	1931	0.085	ng	# 98
33) Indeno(1,2,3-cd)pyrene	27.11	276	856m	0.081	ng	
35) Benzo(b)fluoranthene	23.53	252	839	0.087	ng	# 89
36) Benzo(k)fluoranthene	23.58	252	898	0.088	ng	# 69
37) Benzo(a)pyrene	24.22	252	783	0.085	ng	# 68
38) Dibenzo(a,h)anthracene	27.12	278	704	0.084	ng	# 69
39) Benzo(g,h,i)perylene	27.96	276	790	0.090	ng	# 69

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