

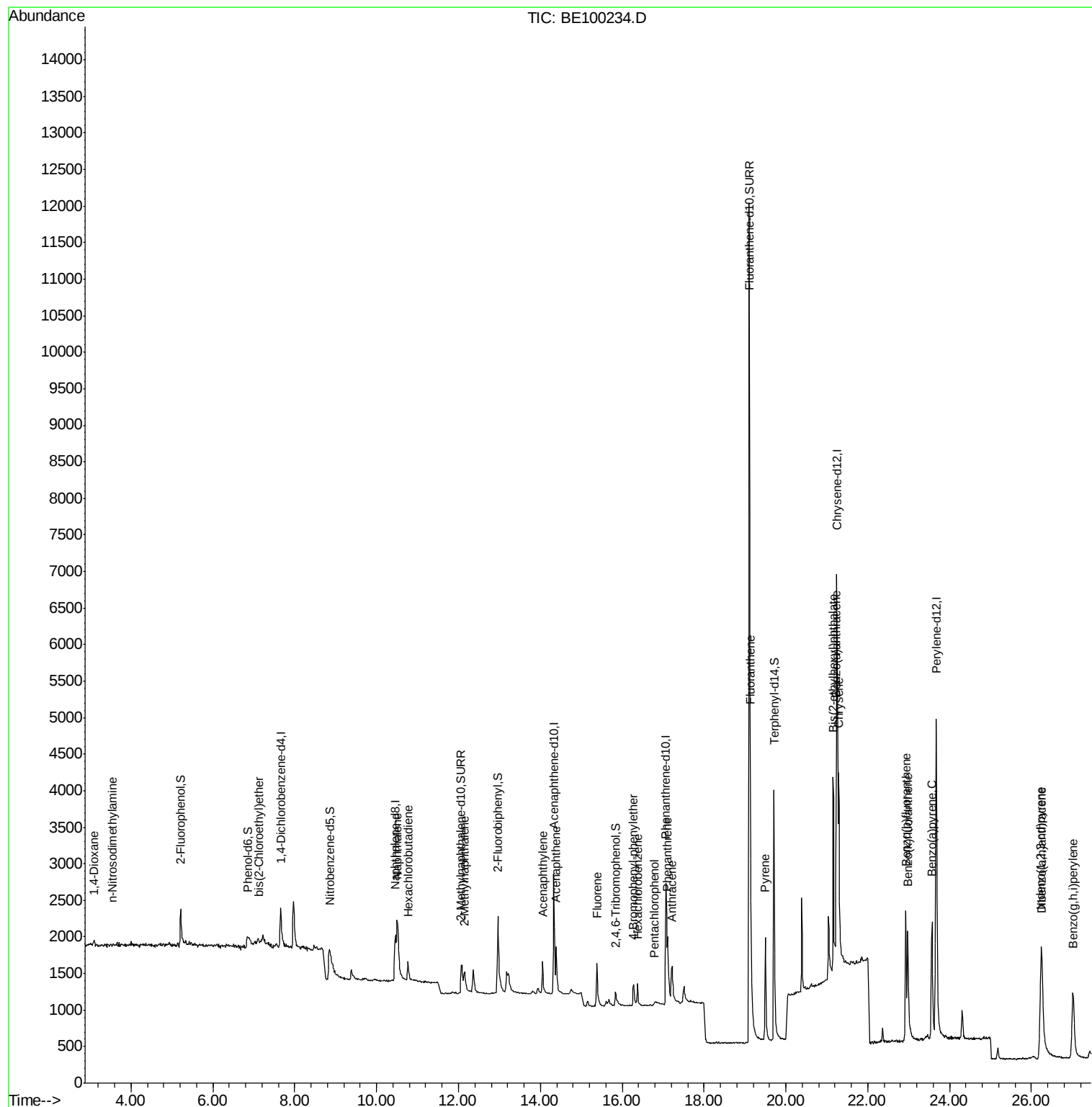
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
Data File : BE100234.D
Acq On : 28 Jun 2019 14:48
Operator : JU/SJ
Sample : K2241-01
Misc : LOD-S-0.1PPM
ALS Vial : 10 Sample Multiplier: 1

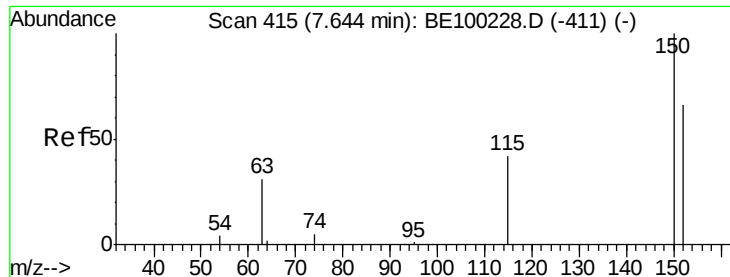
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

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Quant Time: Jun 29 00:19:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration





#1

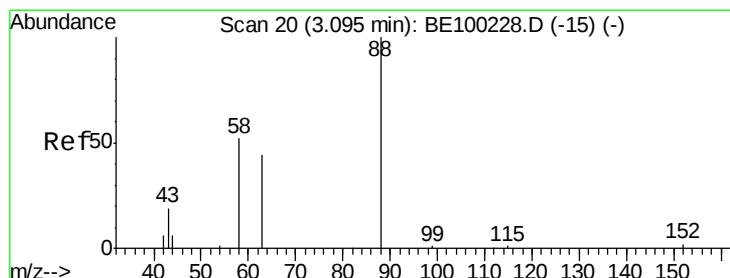
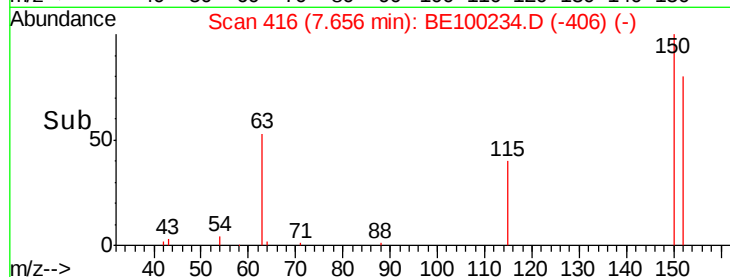
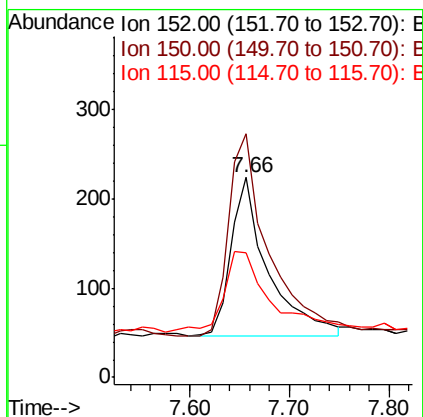
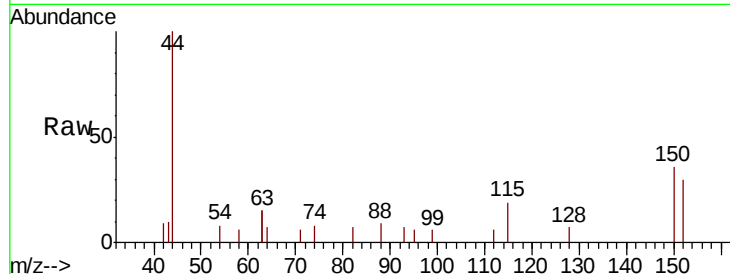
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.66 min Scan# 416
 Delta R.T. 0.01 min
 Lab File: BE100234.D
 Acq: 28 Jun 2019 14:48

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	152	Resp:	455
Ion	Ratio	Lower	Upper
152	100		
150	121.9	114.5	171.7
115	62.5	57.1	85.7

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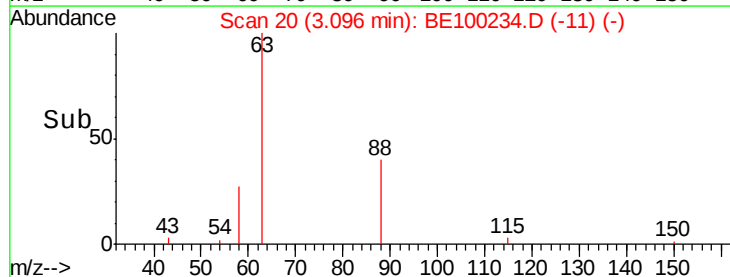
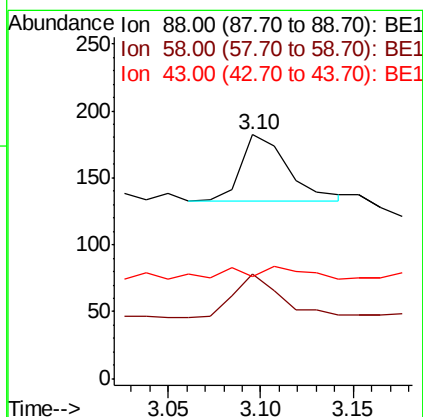
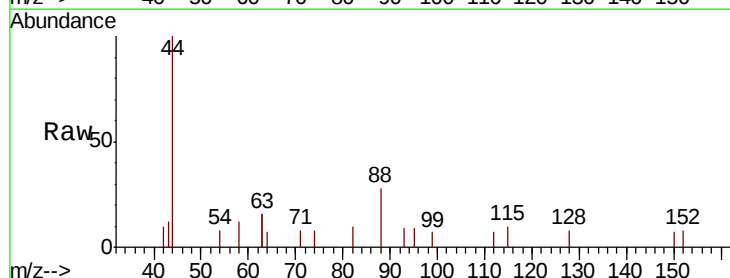
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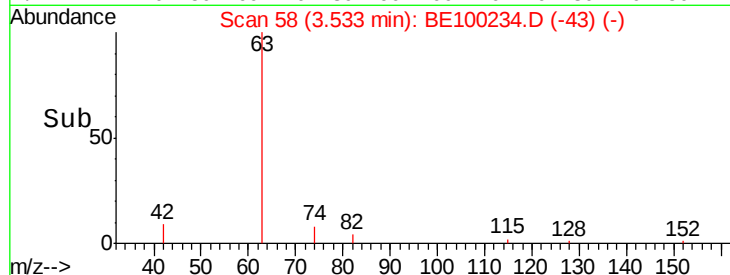
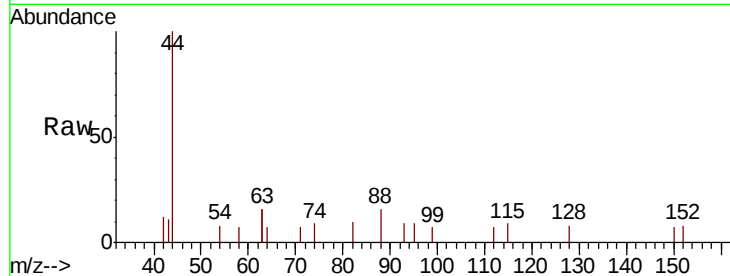
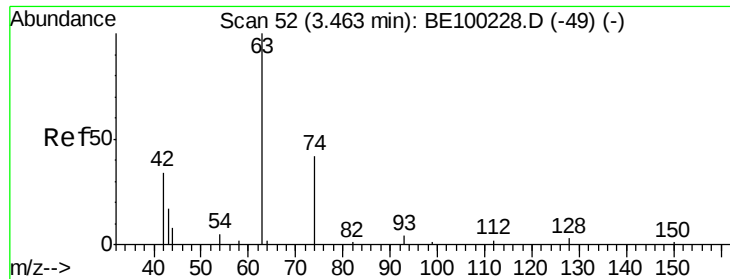


#2

1,4-Dioxane
 Concen: 0.122 ng
 RT: 3.10 min Scan# 20
 Delta R.T. 0.00 min
 Lab File: BE100234.D
 Acq: 28 Jun 2019 14:48

Tgt Ion:	88	Resp:	86
Ion	Ratio	Lower	Upper
88	100		
58	65.1	43.6	65.4
43	30.2	21.4	32.0





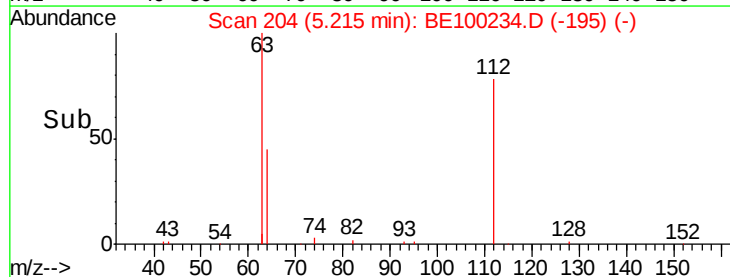
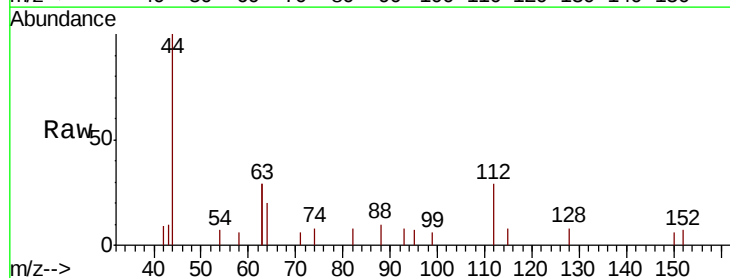
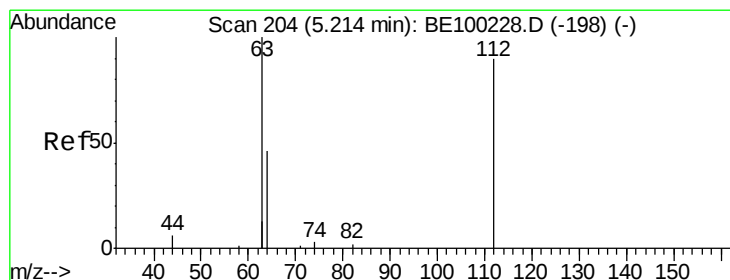
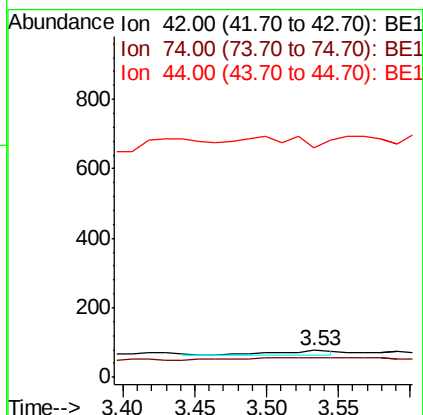
#3
n-Nitrosodimethylamine
Concen: 0.119 ng/ml
RT: 3.53 min Scan# 58
Delta R.T. 0.07 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	130.6	196.0#
44	300.0	38.0	57.0#

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

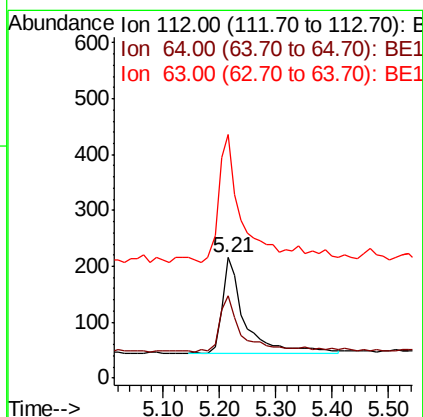
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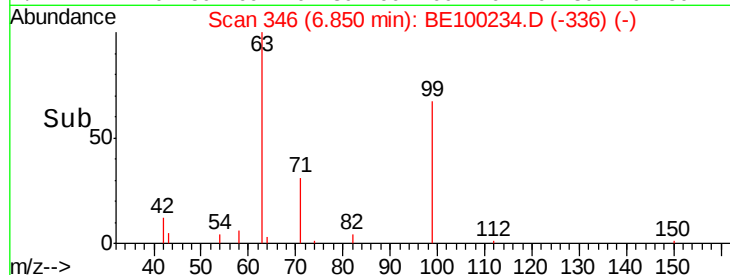
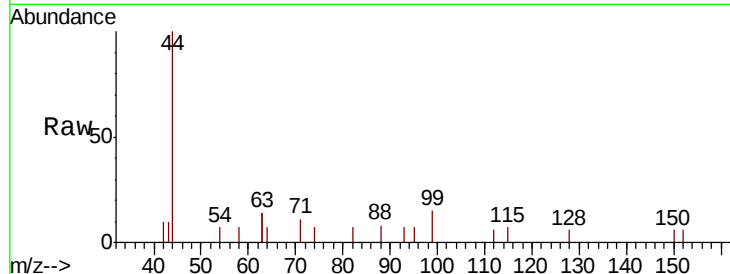
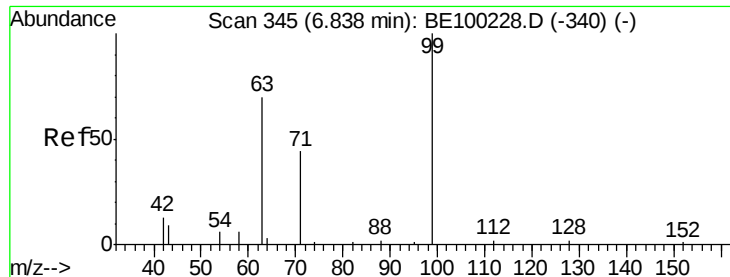
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#4
2-Fluorophenol
Concen: 0.400 ng
RT: 5.21 min Scan# 204
Delta R.T. 0.00 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	39.4	59.0
63	140.9	104.5	156.7





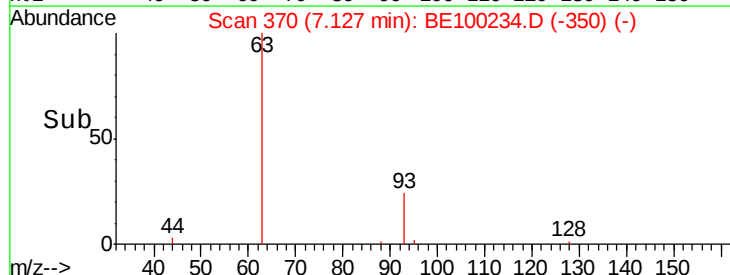
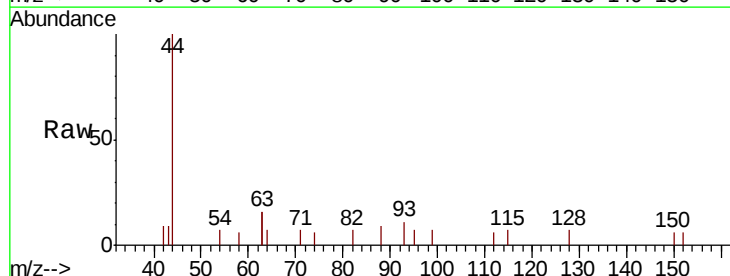
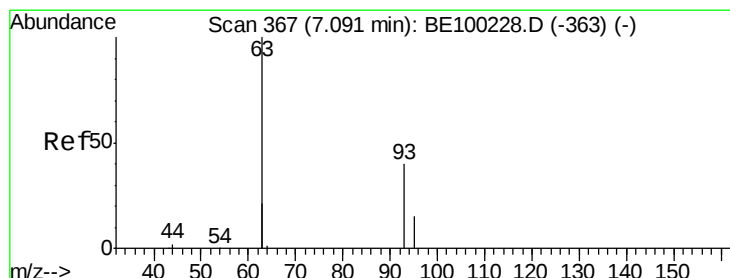
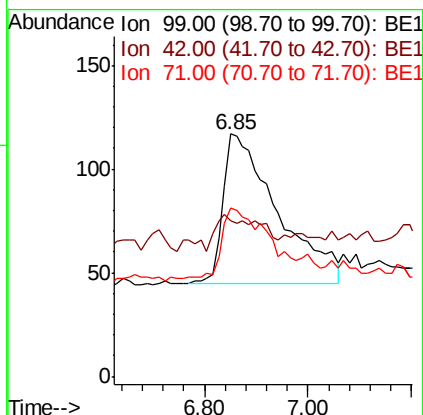
#5
Phenol-d6
Concen: 0.343 ng
RT: 6.85 min Scan# 346
Delta R.T. 0.01 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Tot Ion:	99	Resp:	524
Ion	Ratio	Lower	Upper
99	100		
42	13.0	11.2	16.8
71	38.2	37.2	55.8

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

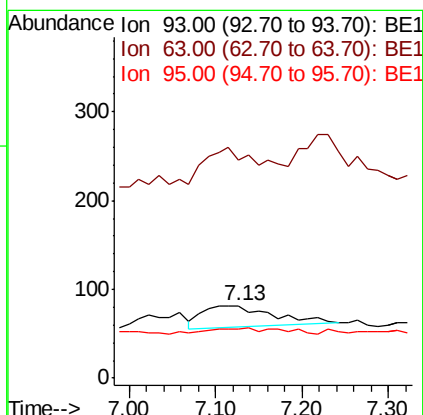
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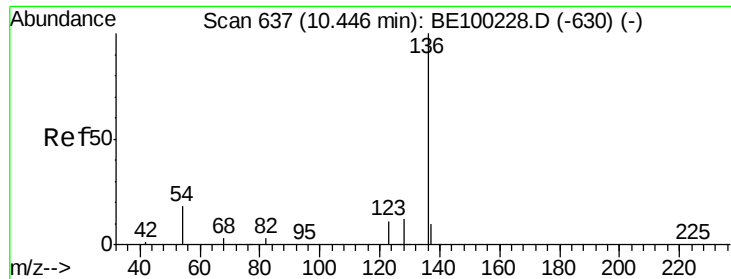
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#6
bis(2-Chloroethyl)ether
Concen: 0.106 ng
RT: 7.13 min Scan# 370
Delta R.T. 0.04 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Tgt Ion:	93	Resp:	133
Ion	Ratio	Lower	Upper
93	100		
63	142.1	155.6	233.4#
95	0.0	23.0	34.4#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 638

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

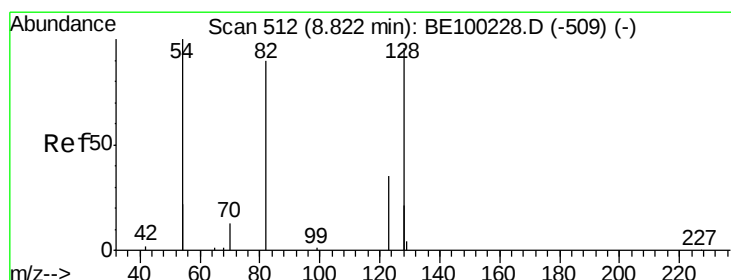
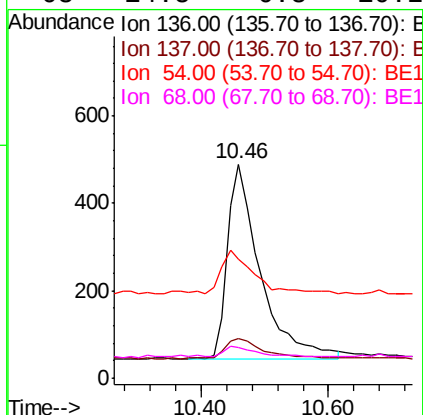
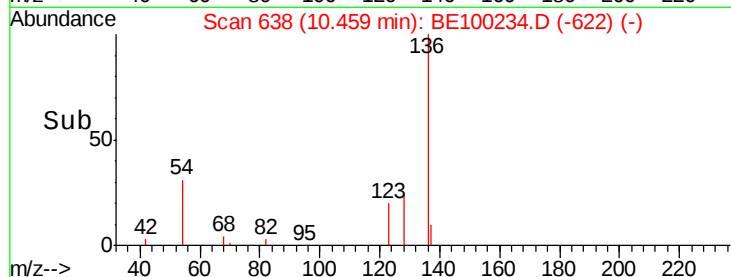
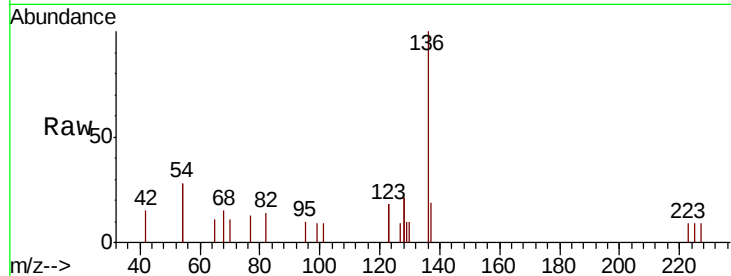
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
136	100		
137	18.6	11.8	17.8#
54	55.6	27.7	41.5#
68	14.5	6.8	10.2#

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#8

Nitrobenzene-d5

Concen: 0.352 ng

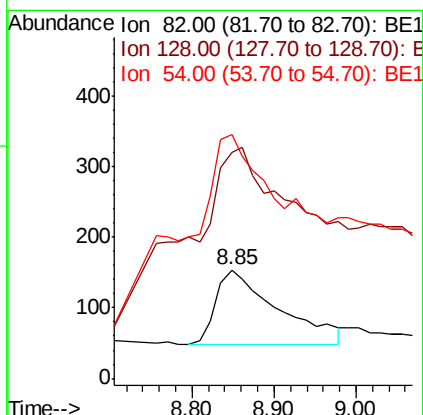
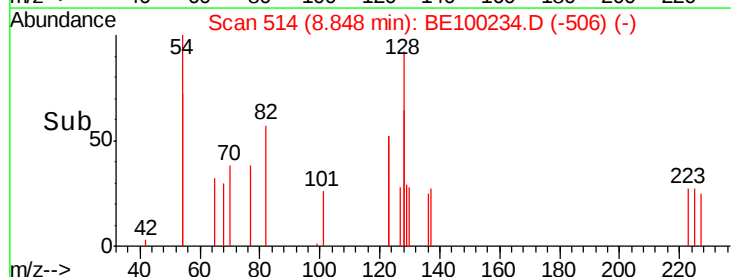
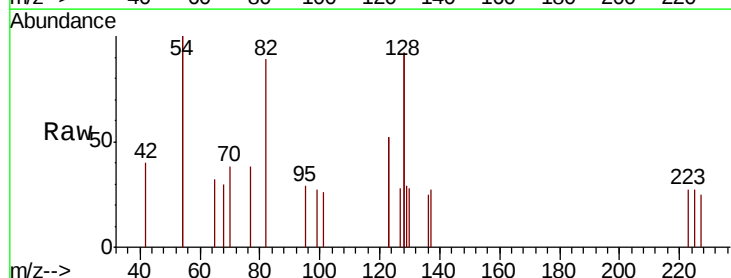
RT: 8.85 min Scan# 514

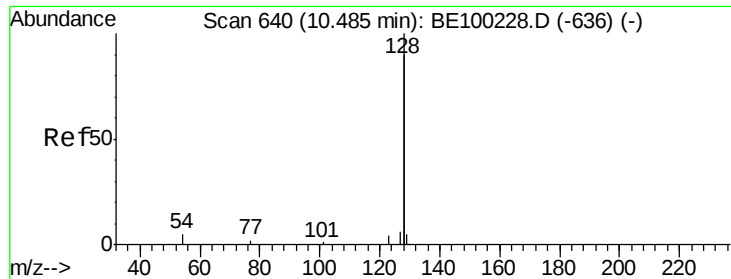
Delta R.T. 0.03 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Tgt Ion	Ratio	Lower	Upper
82	100		
128	207.8	140.9	211.3
54	224.7	146.2	219.2#





#9

Naphthalene

Concen: 0.124 ng

RT: 10.51 min Scan# 642

Delta R.T. 0.03 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

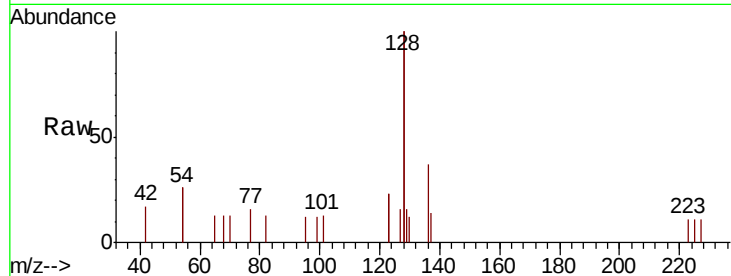
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

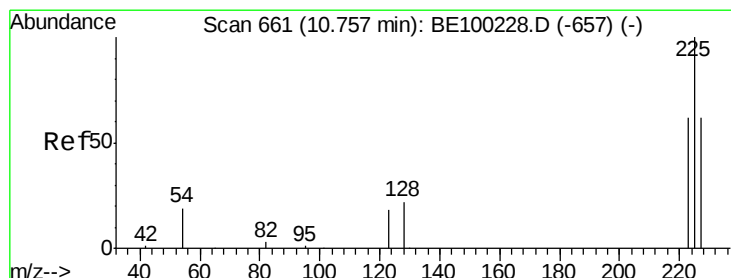
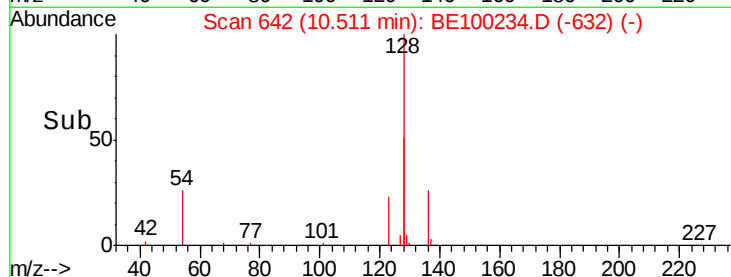
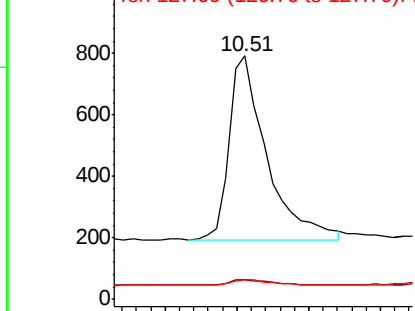
Tot Ion:	128	Resp:	2169
Ion Ratio	Lower	Upper	
128	100		
129	8.1	3.0	4.6#
127	8.2	3.5	5.3#

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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: 0.123 ng

RT: 10.77 min Scan# 662

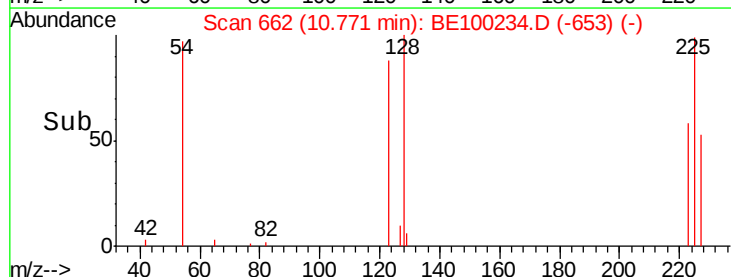
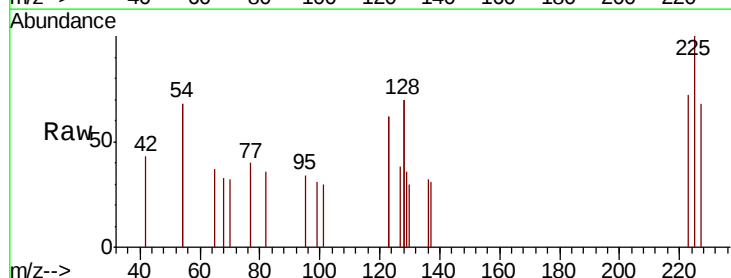
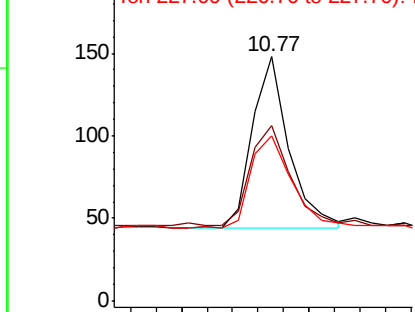
Delta R.T. 0.01 min

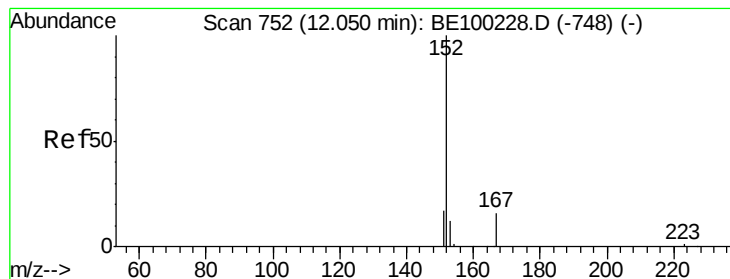
Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Tgt Ion:	225	Resp:	208
Ion Ratio	Lower	Upper	
225	100		
223	62.0	49.1	73.7
227	60.6	49.3	73.9

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: 0.379 ng

RT: 12.06 min Scan# 753

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:152 Resp: 1131

Ion Ratio Lower Upper

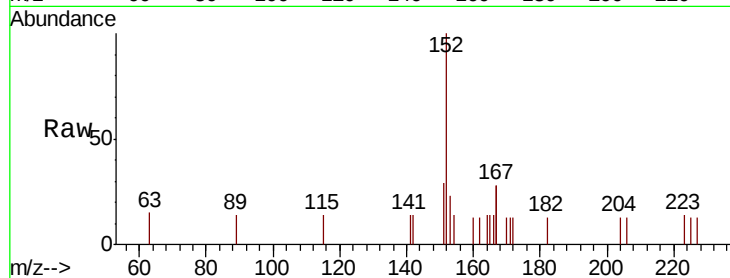
152 100

151 20.6 15.1 22.7

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.06

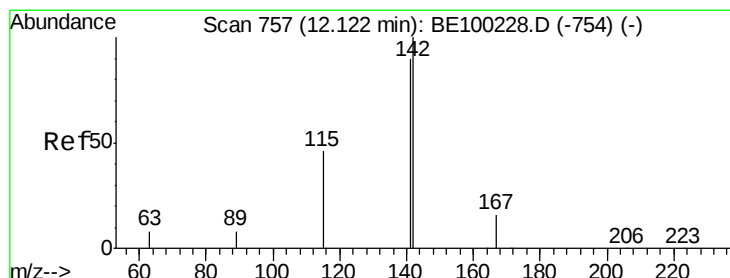
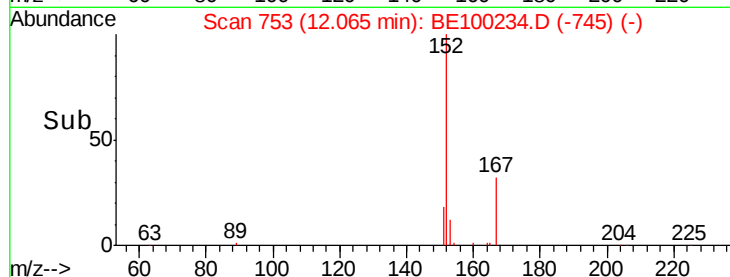
300

200

100

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.110 ng

RT: 12.15 min Scan# 759

Delta R.T. 0.03 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

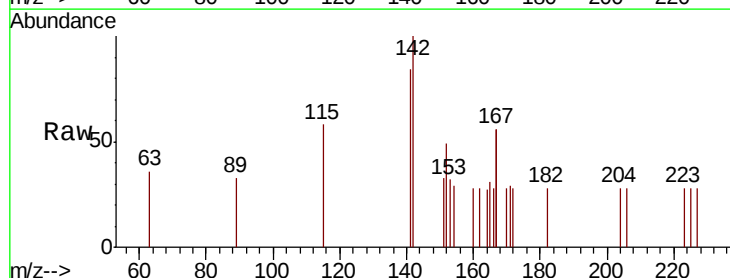
Tgt Ion:142 Resp: 338

Ion Ratio Lower Upper

142 100

141 84.4 72.4 108.6

115 57.5 40.4 60.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.15

200

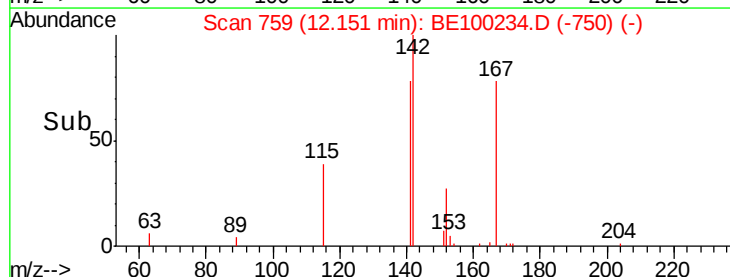
150

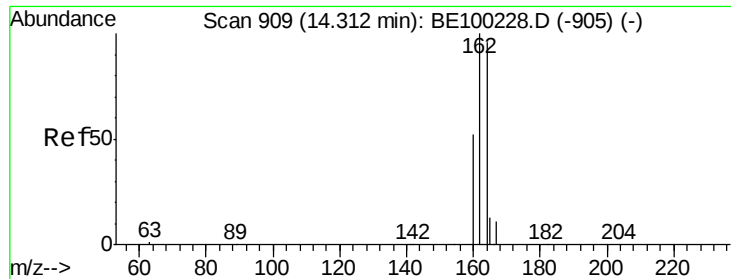
100

50

0

Time-->





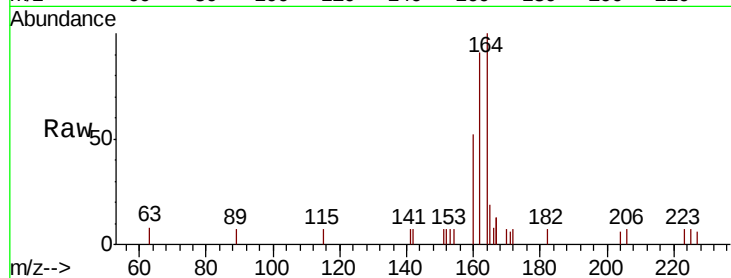
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 910
Delta R.T. 0.01 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
164	100		
162	91.2	83.4	125.0
160	52.5	45.0	67.6

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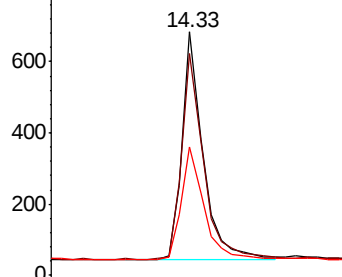


Abundance

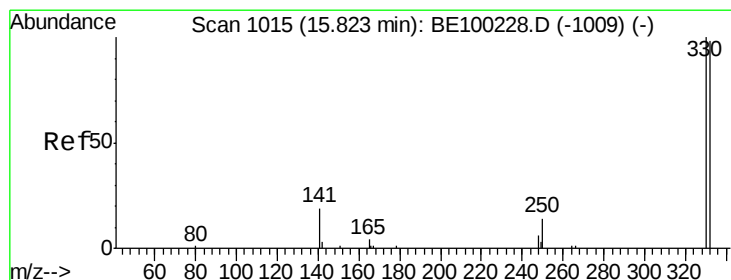
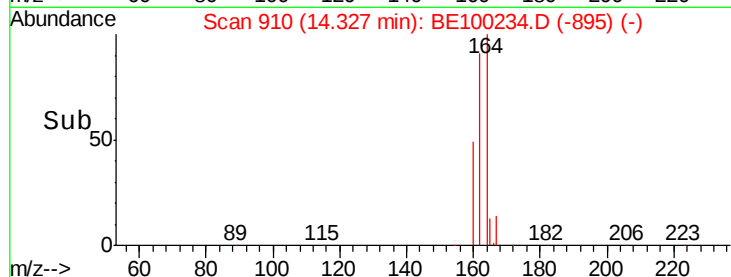
Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

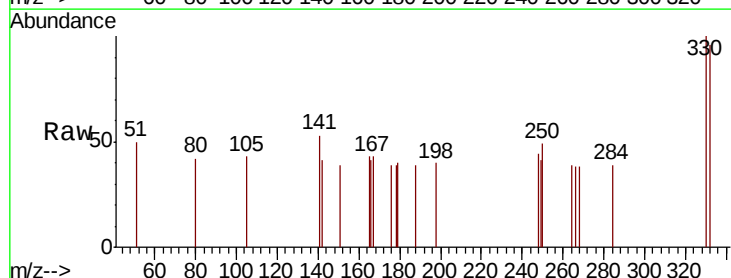


Time-->



#14
2,4,6-Tribromophenol
Concen: 0.322 ng
RT: 15.84 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.7	77.0	115.4
141	28.2	22.0	33.0

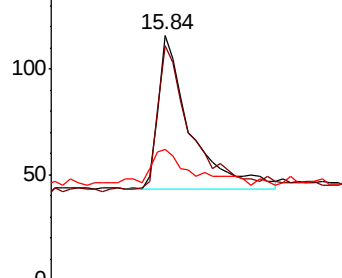


Abundance

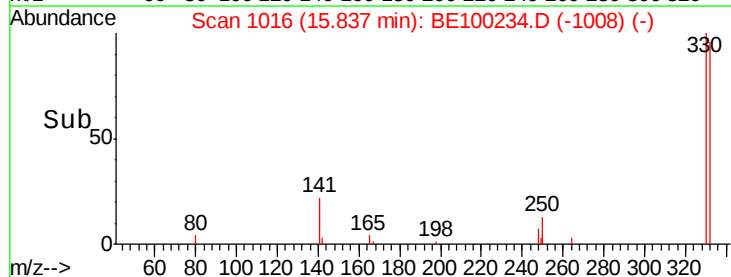
Ion 330.00 (329.70 to 330.70): E

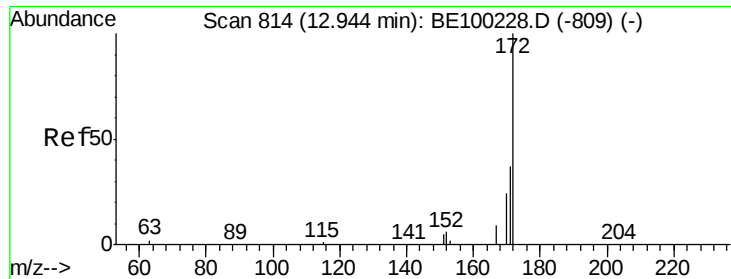
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->





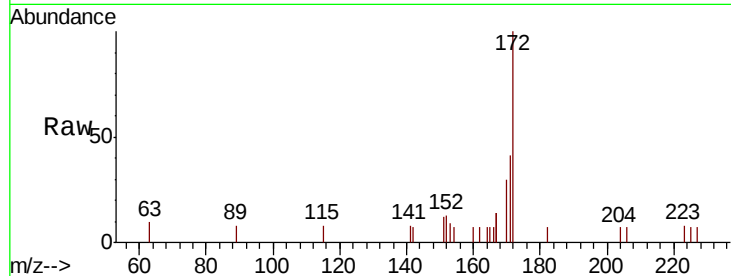
#15
2-Fluorobiphenyl
Concen: 0.386 ng
RT: 12.96 min Scan# 815
Delta R.T. 0.01 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	41.3	31.9	47.9
170	29.8	22.2	33.2

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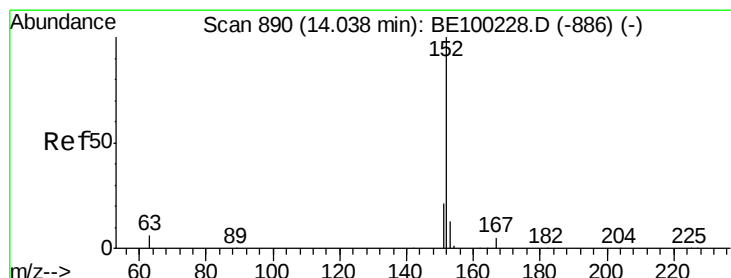
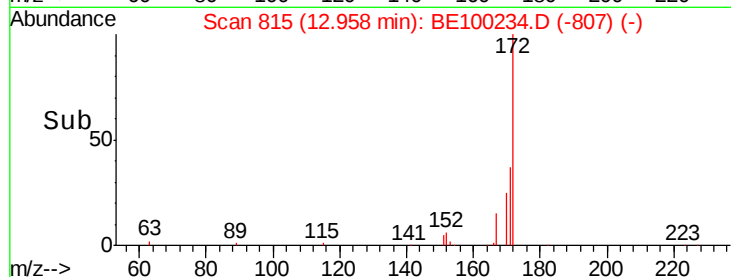
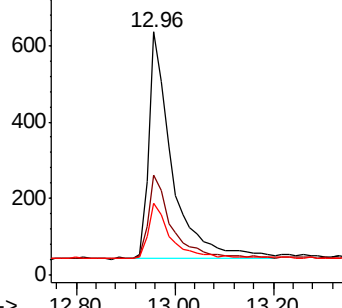


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.123 ng
RT: 14.05 min Scan# 891
Delta R.T. 0.01 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

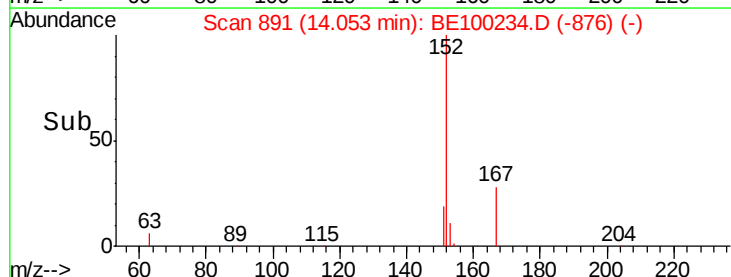
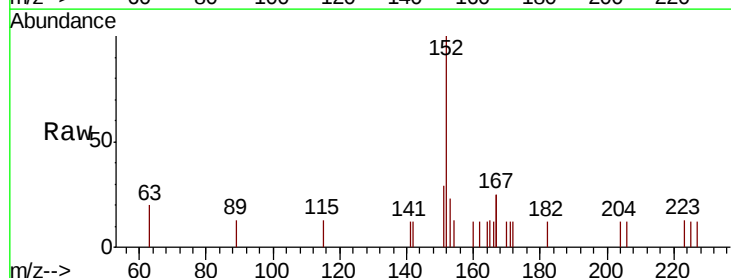
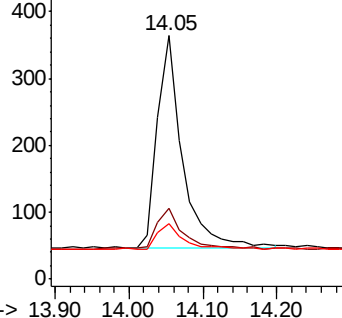
Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.6	25.0
153	14.0	10.5	15.7

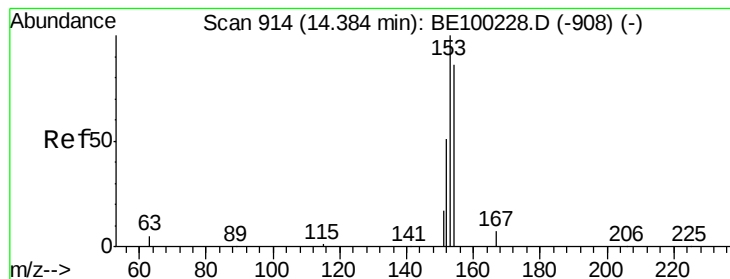
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.112 ng

RT: 14.38 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

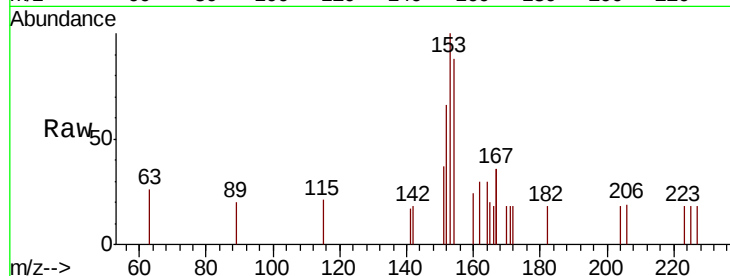
ClientSampleId :

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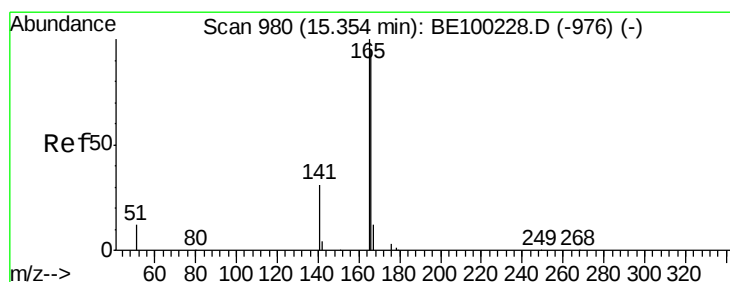
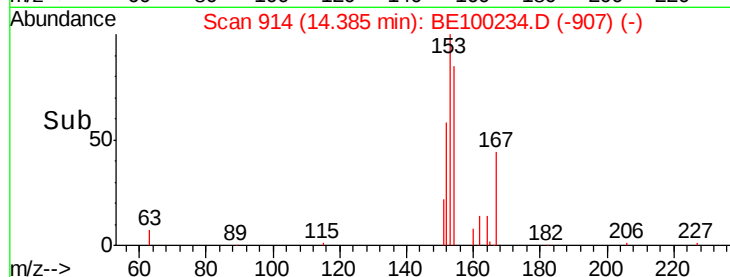
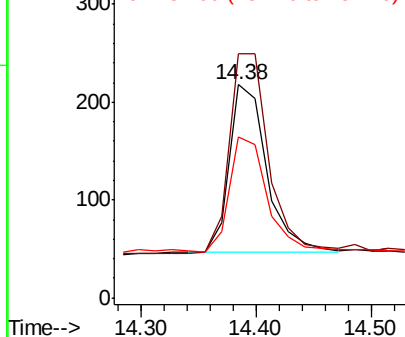
Tot Ion:	154	Resp:	385
Ion Ratio	Lower	Upper	
154	100		
153	126.0	93.4	140.2
152	67.8	49.4	74.2

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.119 ng

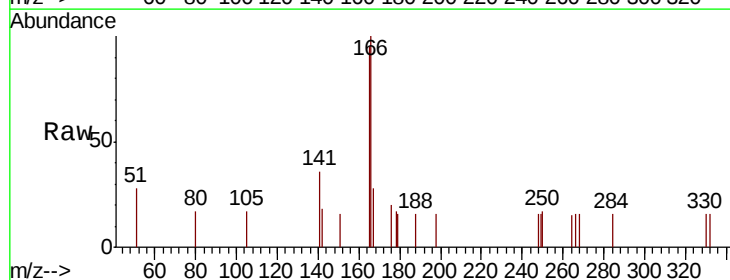
RT: 15.38 min Scan# 982

Delta R.T. 0.03 min

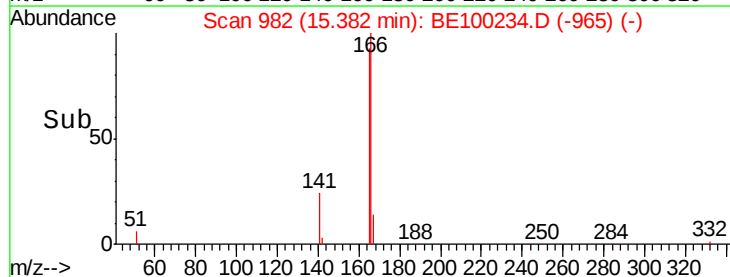
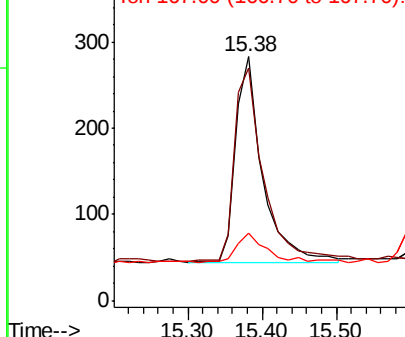
Lab File: BE100234.D

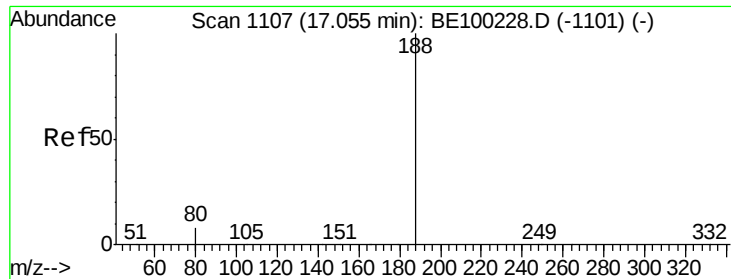
Acq: 28 Jun 2019 14:48

Tgt Ion:	166	Resp:	603
Ion Ratio	Lower	Upper	
166	100		
165	100.2	81.1	121.7
167	15.8	10.7	16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.07 min Scan# 1108

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

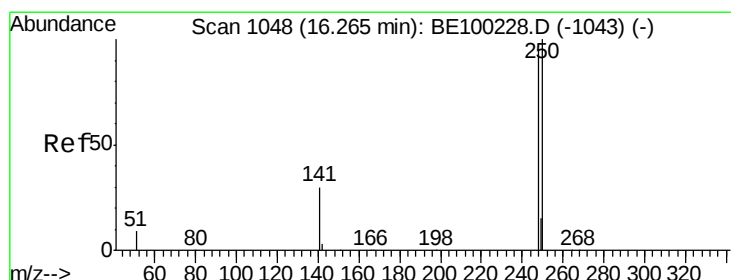
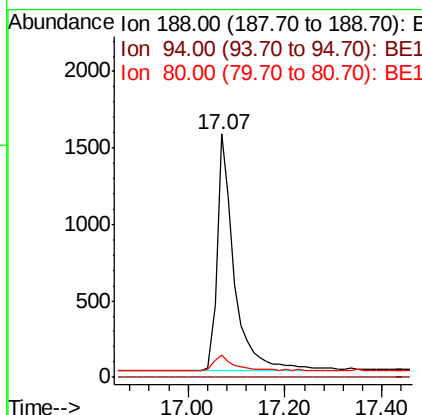
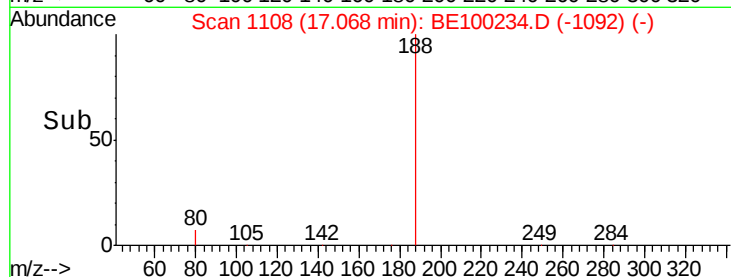
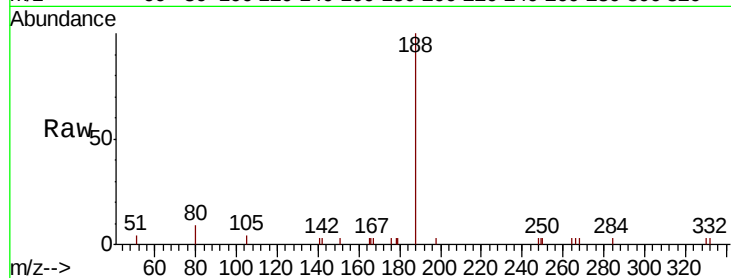
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	188	Resp:	3818
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.3	7.6	11.4

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#20

4-Bromophenyl-phenylether

Concen: 0.123 ng

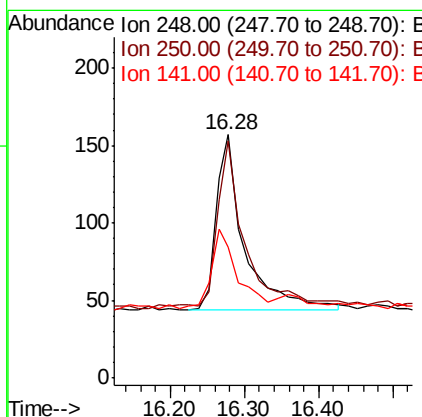
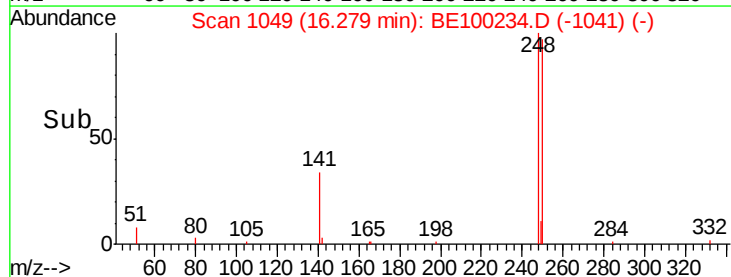
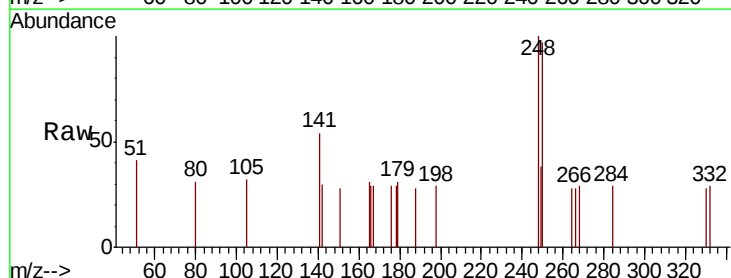
RT: 16.28 min Scan# 1049

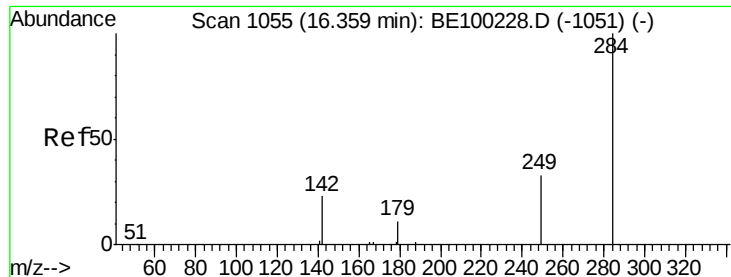
Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Tgt Ion:	248	Resp:	299
Ion Ratio	Lower	Upper	
248	100		
250	97.5	84.2	126.4
141	53.5	29.3	43.9#





#21

Hexachlorobenzene

Concen: 0.119 ng

RT: 16.37 min Scan# 1056

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

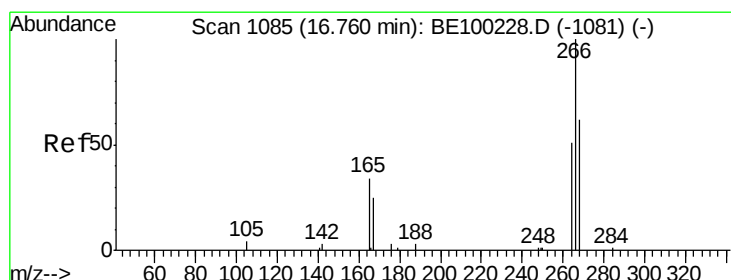
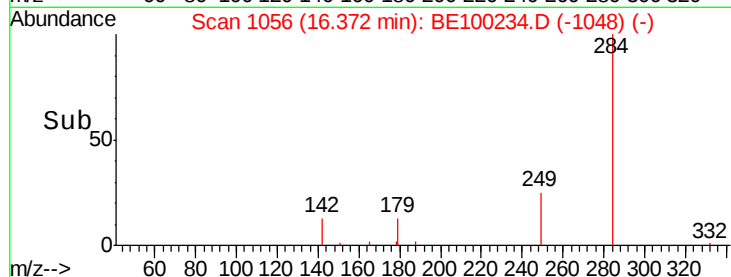
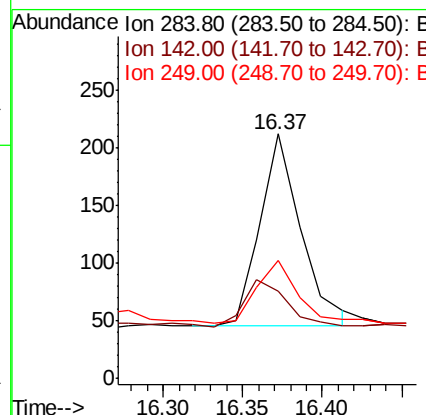
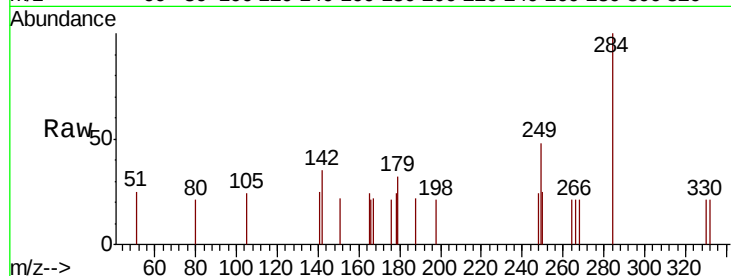
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	284	Resp:	300
Ion Ratio	Lower	Upper	
284	100		
142	24.0	18.8	28.2
249	31.3	23.7	35.5

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#22

Pentachlorophenol

Concen: 0.168 ng

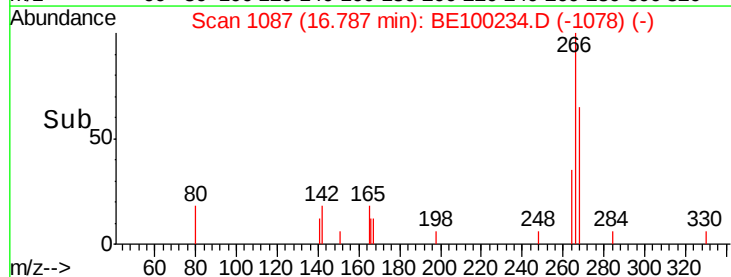
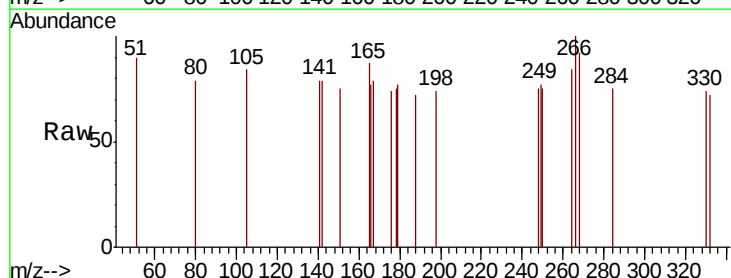
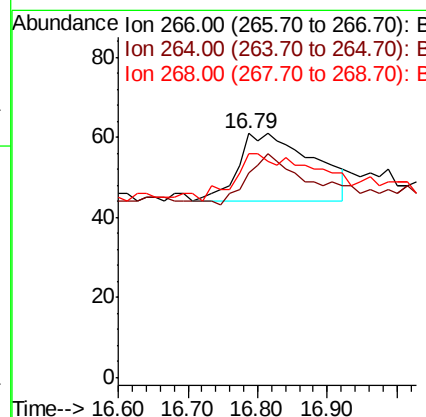
RT: 16.79 min Scan# 1087

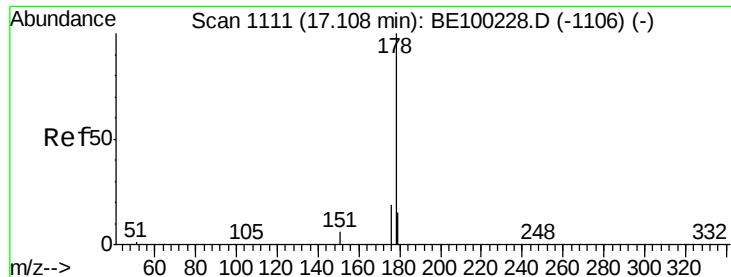
Delta R.T. 0.03 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Tgt Ion:	266	Resp:	128
Ion Ratio	Lower	Upper	
266	100		
264	83.6	56.2	84.2
268	91.8	61.8	92.6





#23

Phenanthrene

Concen: 0.118 ng

RT: 17.11 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

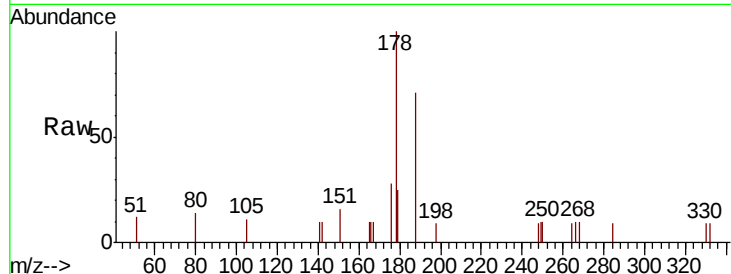
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

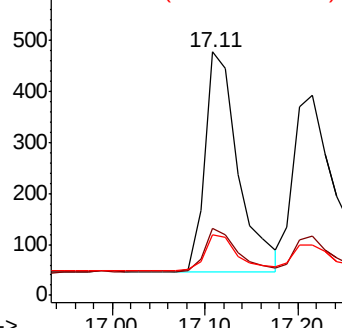
Tot Ion:178	Resp:	1089
Ion Ratio	Lower	Upper
178	100	
176	19.8	15.9 23.9
179	16.3	12.2 18.2

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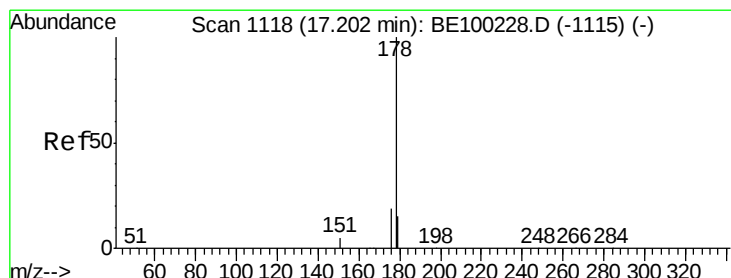
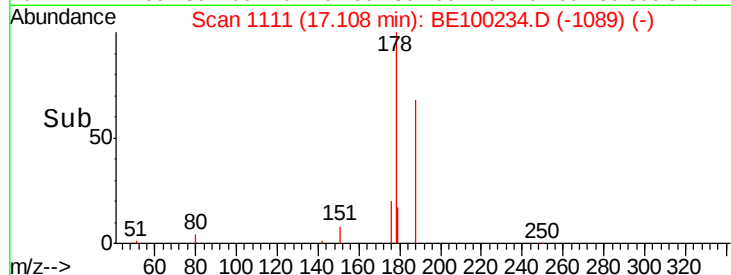
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.107 ng

RT: 17.22 min Scan# 1119

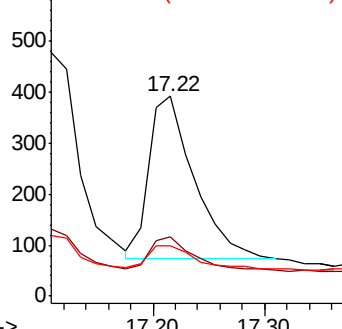
Delta R.T. 0.01 min

Lab File: BE100234.D

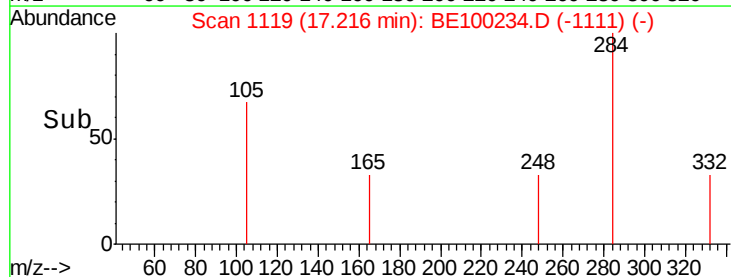
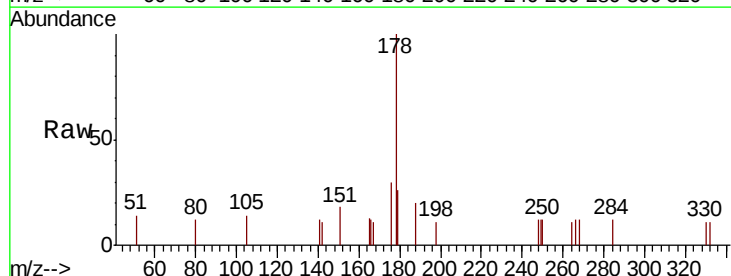
Acq: 28 Jun 2019 14:48

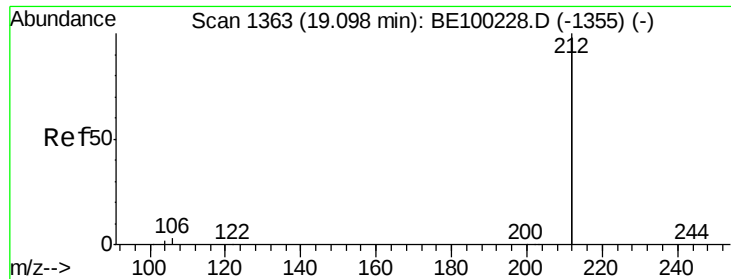
Tgt Ion:178	Resp:	893
Ion Ratio	Lower	Upper
178	100	
176	19.3	15.3 22.9
179	16.0	12.2 18.2

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



Time-->





#25

Fluoranthene-d10

Concen: 0.391 ng

RT: 19.10 min Scan# 1364

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

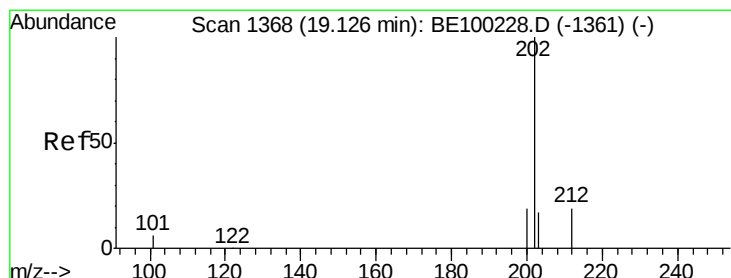
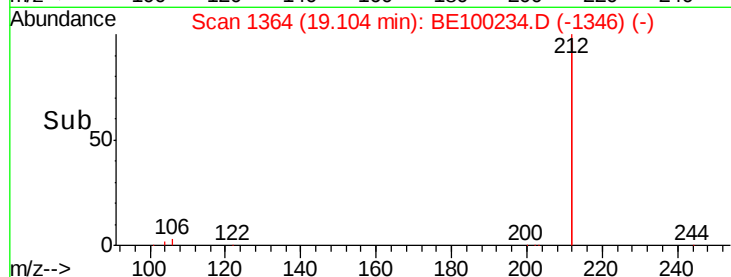
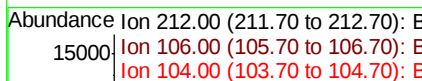
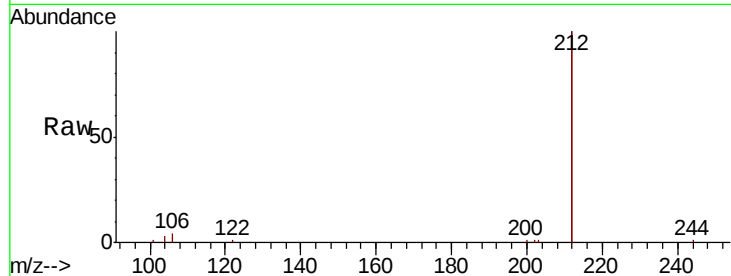
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	212	Resp:	21693
Ion Ratio	Lower	Upper	
212	100		
106	1.5	1.3	1.9
104	0.9	0.8	1.2

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#26

Fluoranthene

Concen: 0.128 ng

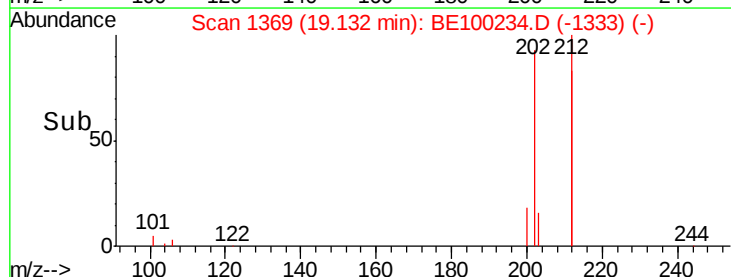
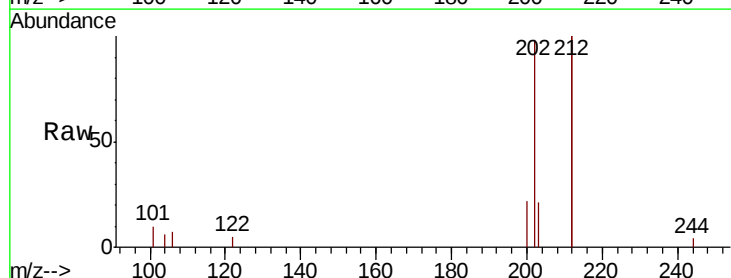
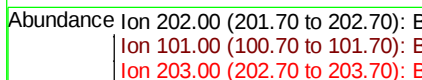
RT: 19.13 min Scan# 1369

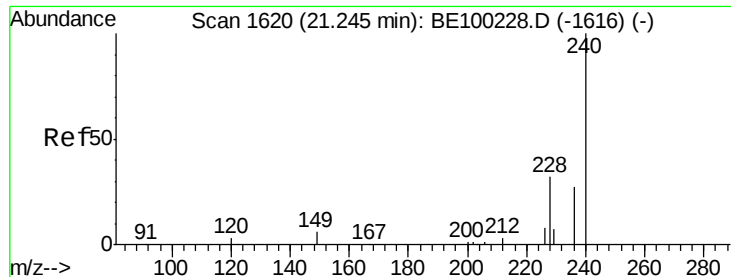
Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Tgt Ion:	202	Resp:	1887
Ion Ratio	Lower	Upper	
202	100		
101	5.8	4.6	7.0
203	17.2	13.7	20.5





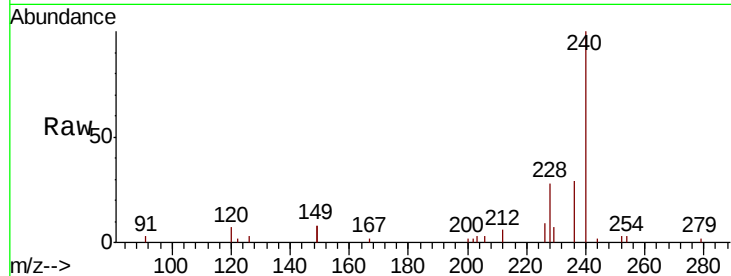
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.0	3.3	4.9#
236	29.0	22.6	34.0

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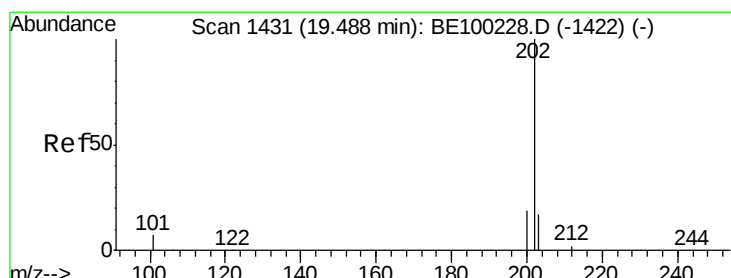
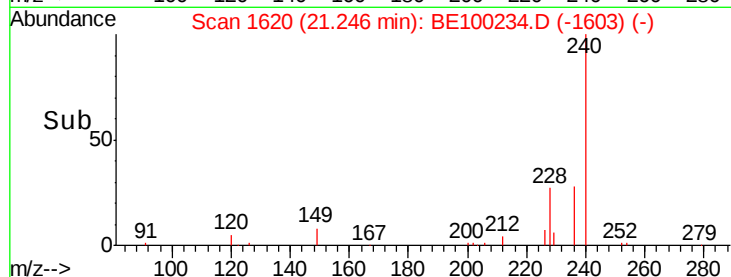
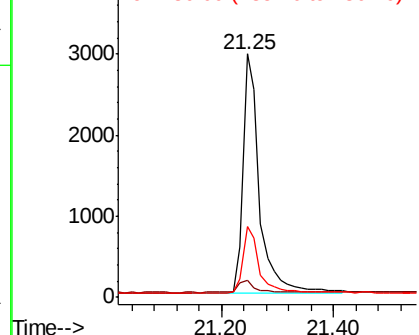


Abundance

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: 0.120 ng
RT: 19.50 min Scan# 1433
Delta R.T. 0.01 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

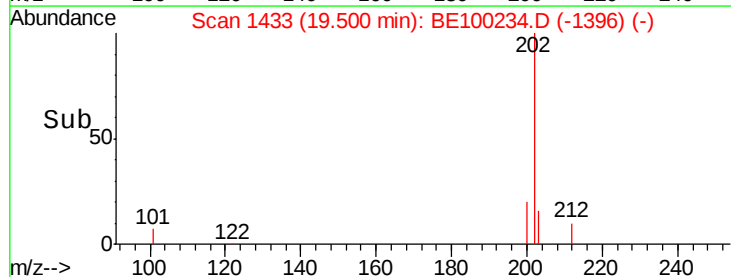
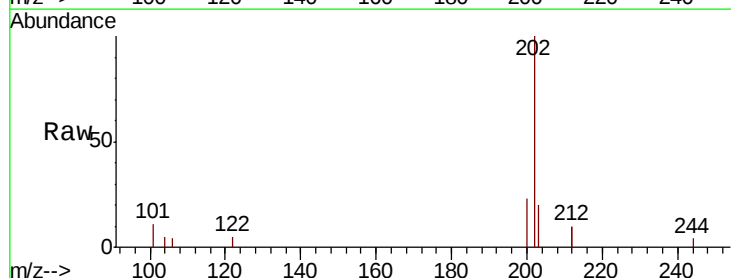
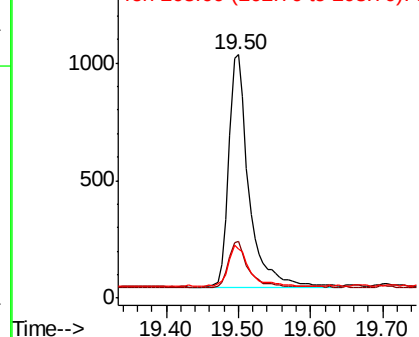
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.6	23.4
203	18.6	14.0	21.0

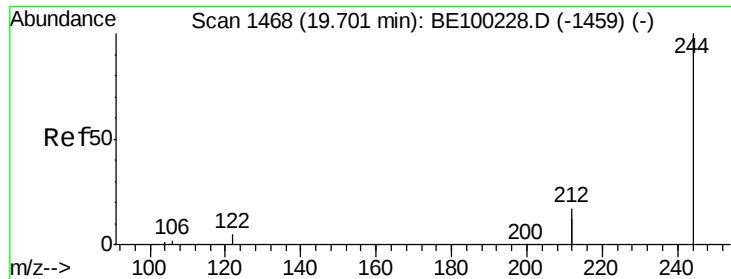
Abundance

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





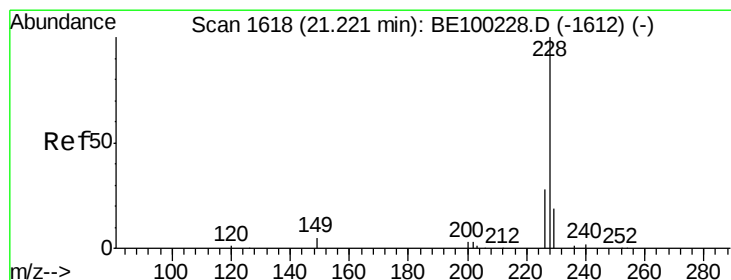
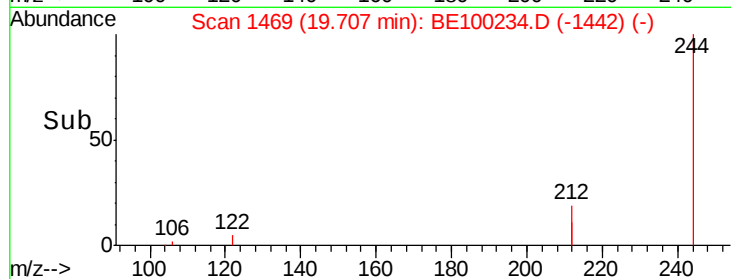
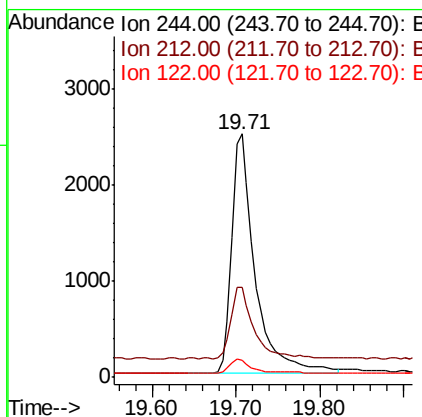
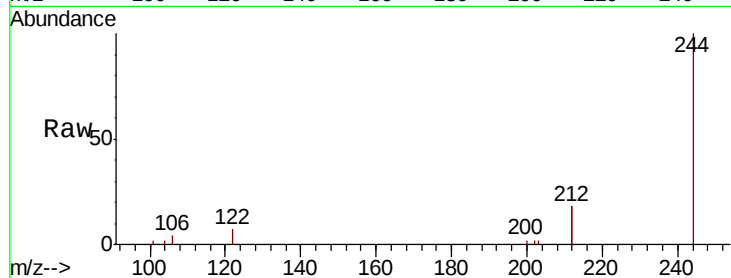
#29
 Terphenyl-d14
 Concen: 0.384 ng
 RT: 19.71 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BE100234.D
 Acq: 28 Jun 2019 14:48

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
244	100		
212	36.9	27.3	40.9
122	6.9	4.7	7.1

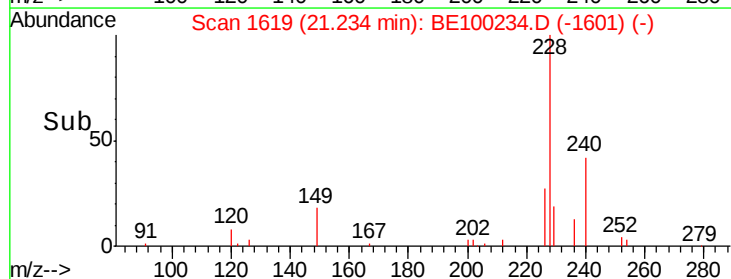
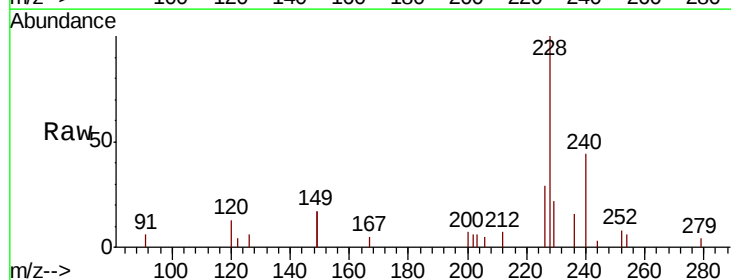
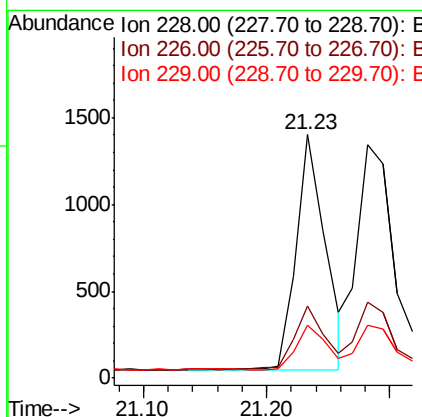
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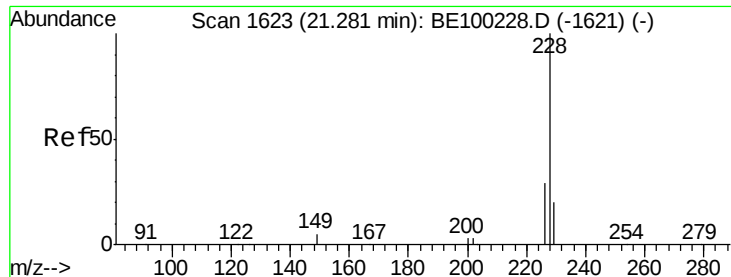
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#30
 Benzo(a)anthracene
 Concen: 0.112 ng
 RT: 21.23 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BE100234.D
 Acq: 28 Jun 2019 14:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.2	34.8
229	22.0	15.7	23.5





#31

Chrysene

Concen: 0.133 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

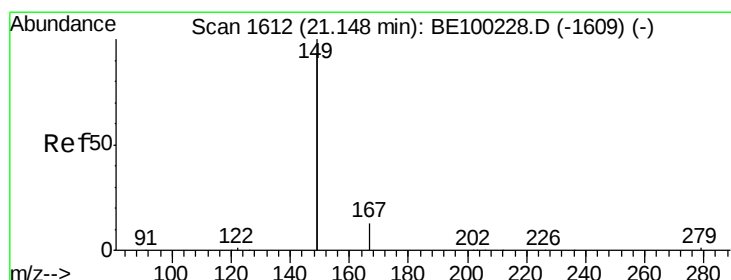
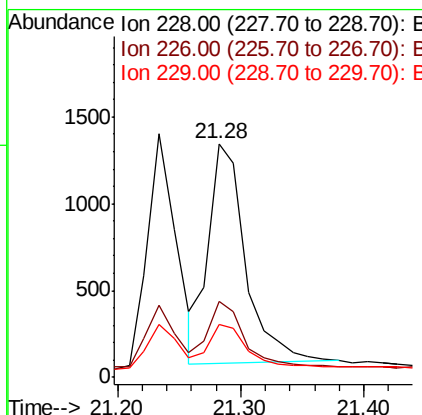
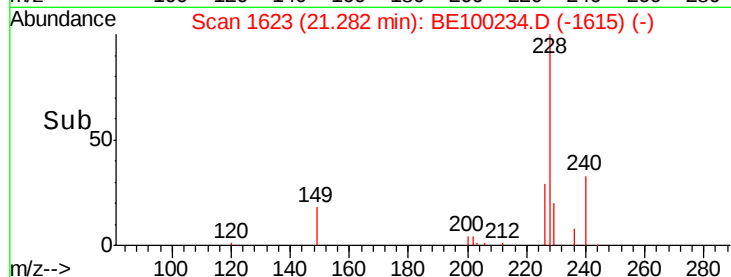
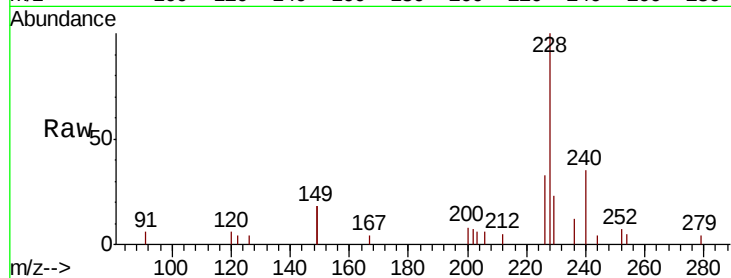
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	228	Resp:	2656
Ion	Ratio	Lower	Upper
228	100		
226	32.6	23.9	35.9
229	22.8	16.5	24.7

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.075 ng

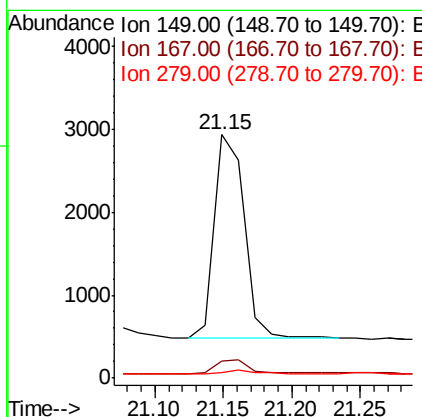
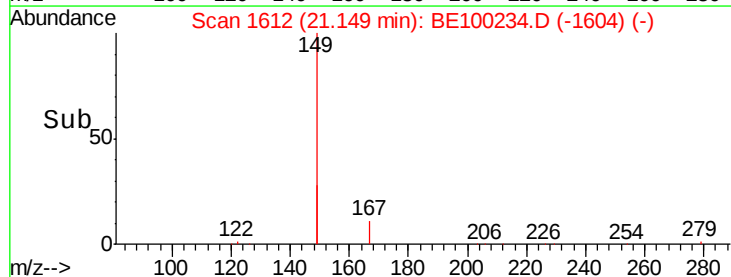
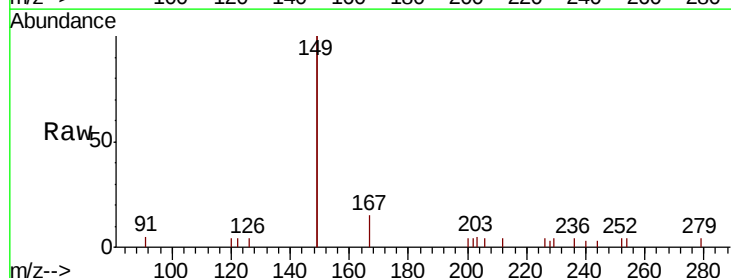
RT: 21.15 min Scan# 1612

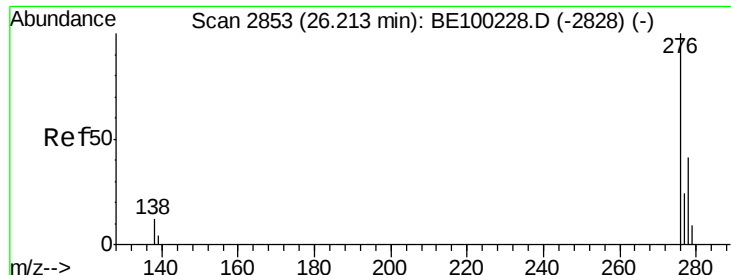
Delta R.T. 0.00 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Tgt Ion:	149	Resp:	3719
Ion	Ratio	Lower	Upper
149	100		
167	7.7	5.8	8.8
279	1.9	1.1	1.7#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.120 ng

RT: 26.23 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

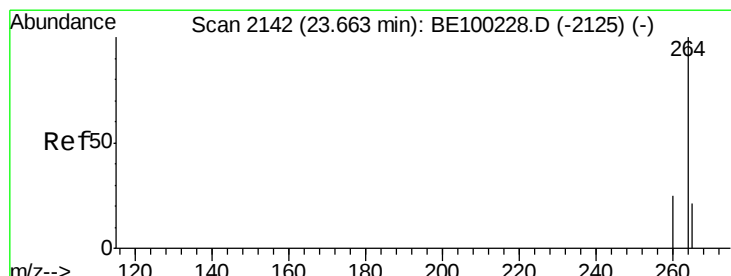
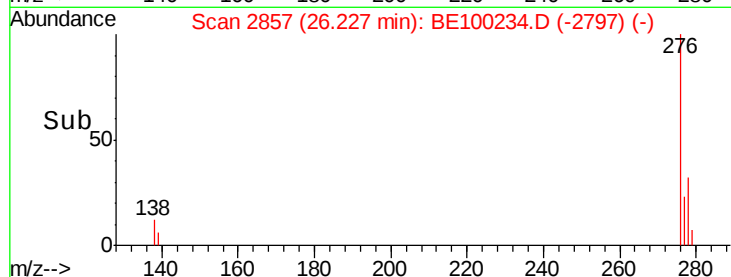
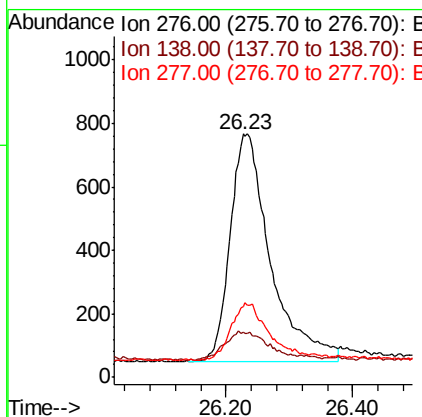
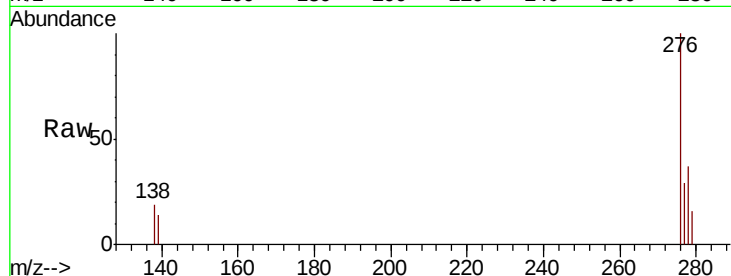
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	276	Resp:	3176
Ion Ratio	Lower	Upper	
276	100		
138	14.2	9.4	14.0#
277	23.6	19.2	28.8

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#34

Perylene-d12

Concen: 0.400 ng

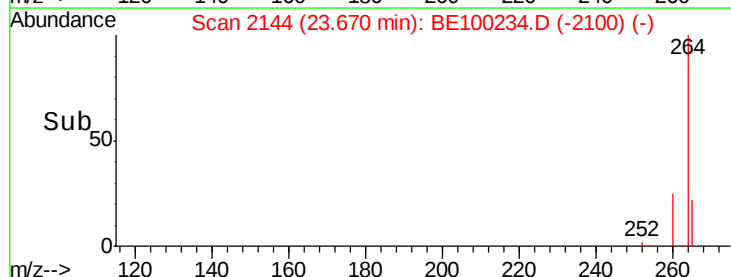
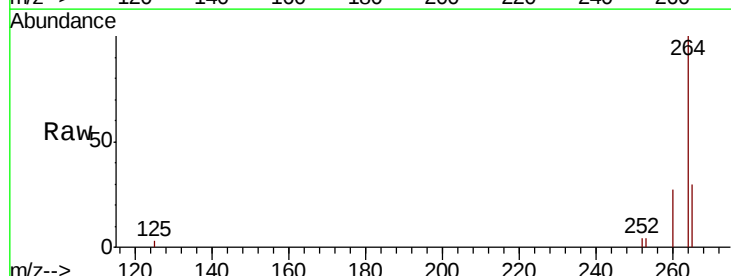
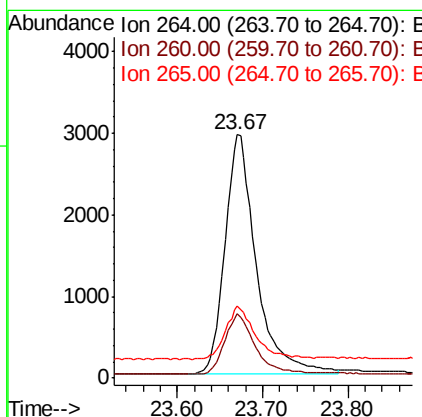
RT: 23.67 min Scan# 2144

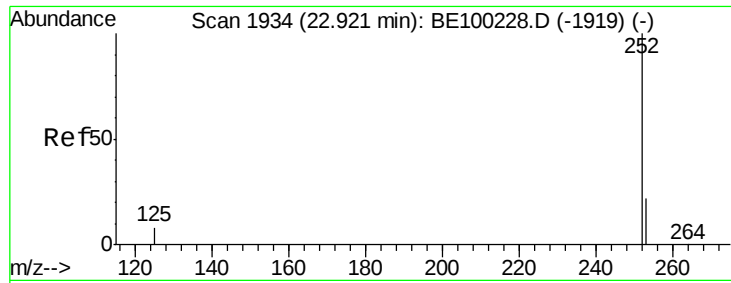
Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Tgt Ion:	264	Resp:	7449
Ion Ratio	Lower	Upper	
264	100		
260	26.6	20.8	31.2
265	29.6	21.8	32.6





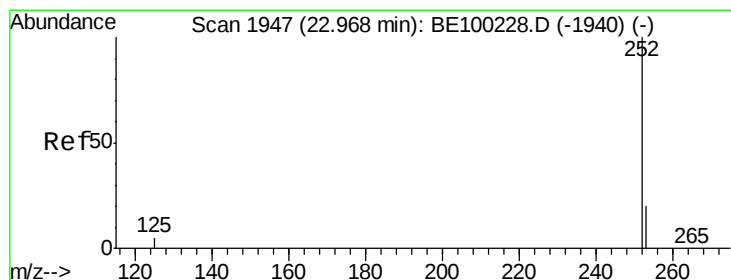
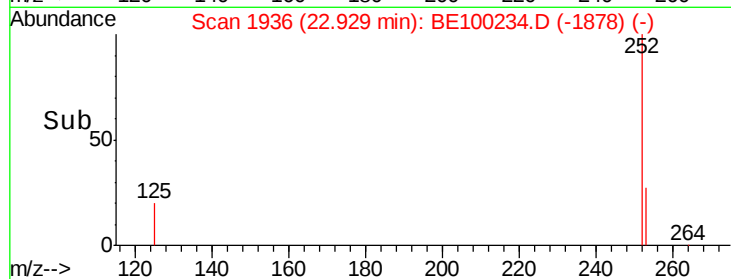
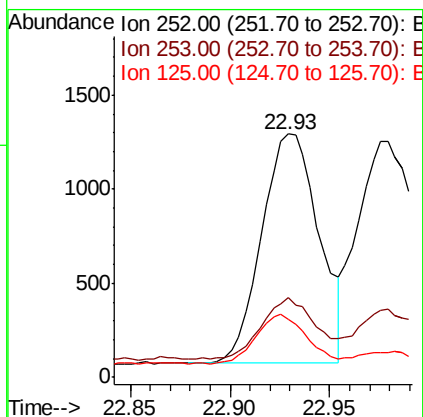
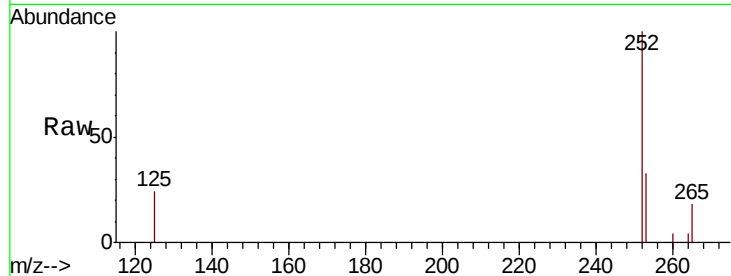
#35
Benzo(b)fluoranthene
Concen: 0.120 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.7	19.2	28.8#
125	24.0	7.4	11.0#

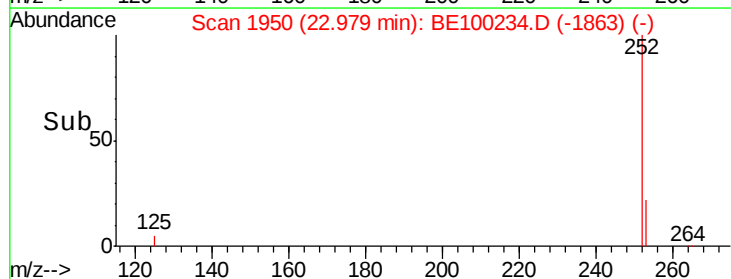
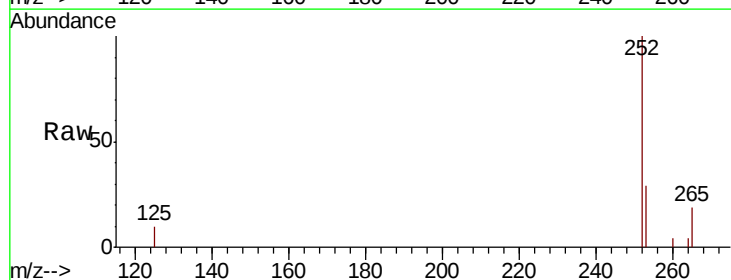
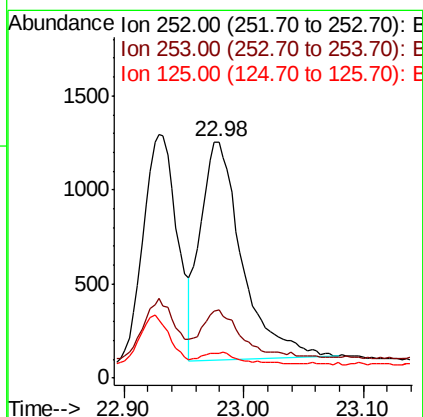
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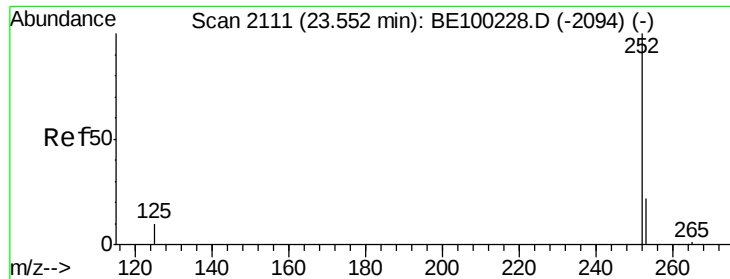
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#36
Benzo(k)fluoranthene
Concen: 0.124 ng
RT: 22.98 min Scan# 1950
Delta R.T. 0.01 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.9	26.9#
125	10.4	5.0	7.4#





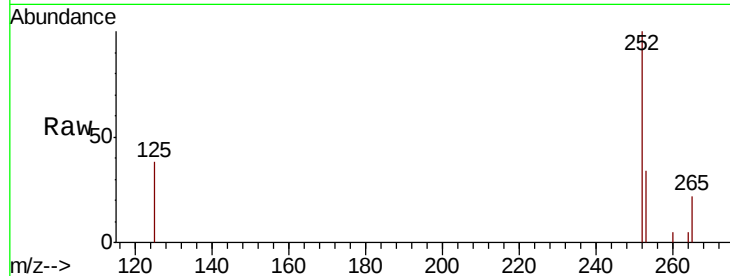
#37
Benzo(a)pyrene
Concen: 0.134 ng
RT: 23.56 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.6	19.6	29.4#
125	37.9	9.0	13.6#

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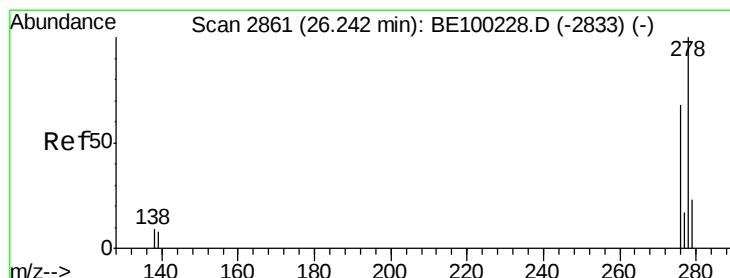
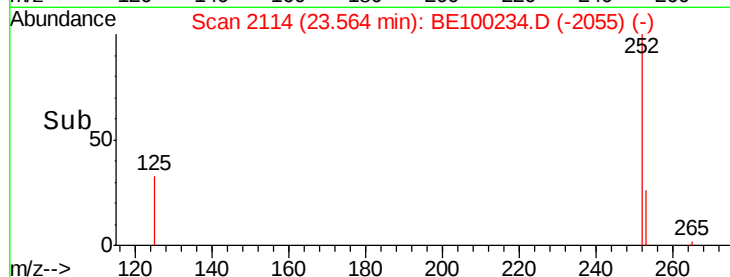
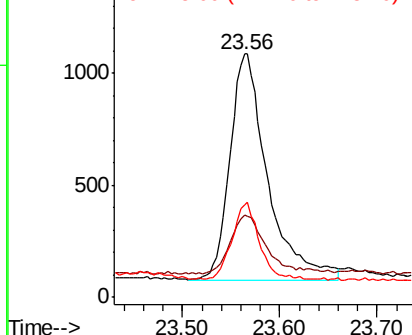


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38
Dibenzo(a,h)anthracene
Concen: 0.118 ng
RT: 26.26 min Scan# 2867
Delta R.T. 0.02 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

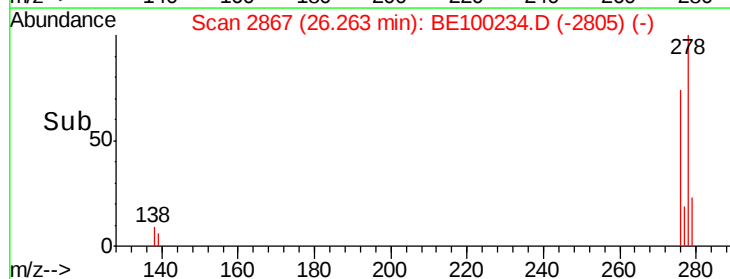
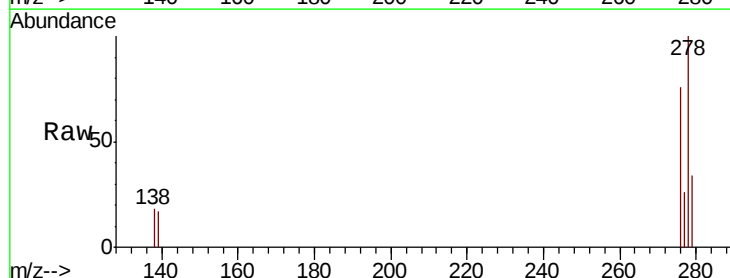
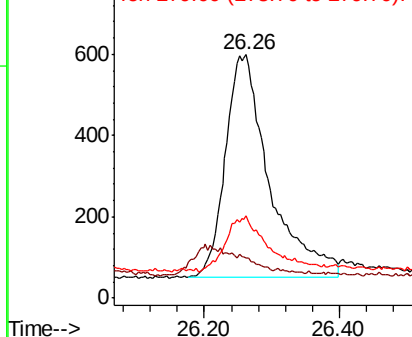
Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.7	8.2	12.2#
279	33.7	20.3	30.5#

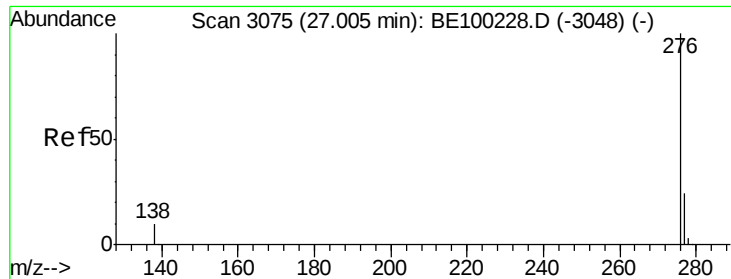
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.123 ng

RT: 27.01 min Scan# 3076

Delta R.T. 0.00 min

Lab File: BE100234.D

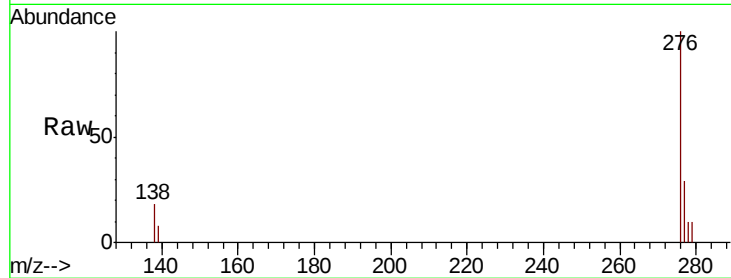
Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019



Tot Ion: 276 Resp: 2672

Ion Ratio Lower Upper

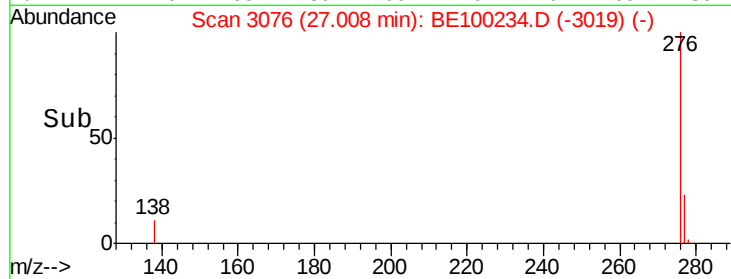
276 100

277 29.2 20.2 30.2

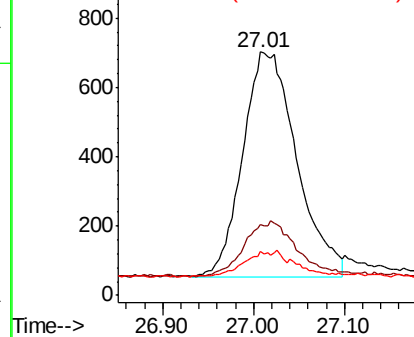
138 18.1 9.0 13.6#

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
 Data File : BE100234.D
 Acq On : 28 Jun 2019 14:48
 Operator : JU/SJ
 Sample : K2241-01
 Misc : LOD-S-0.1PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Manual Integrations
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Quant Time: Jun 29 00:19:26 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	455	0.40	ng	0.01
7) Naphthalene-d8	10.46	136	1586	0.40	ng	0.01
13) Acenaphthene-d10	14.33	164	1260	0.40	ng	0.01
19) Phenanthrene-d10	17.07	188	3818	0.40	ng	0.01
27) Chrysene-d12	21.25	240	6050	0.40	ng	0.00
34) Perylene-d12	23.67	264	7449	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	464	0.40	ng	0.00
5) Phenol-d6	6.85	99	524	0.34	ng	0.01
8) Nitrobenzene-d5	8.85	82	554	0.35	ng	0.03
11) 2-Methylnaphthalene-d10	12.06	152	1131	0.38	ng	0.01
14) 2,4,6-Tribromophenol	15.84	330	284	0.32	ng	0.01
15) 2-Fluorobiphenyl	12.96	172	1893	0.39	ng	0.01
25) Fluoranthene-d10	19.10	212	21693	0.39	ng	0.00
29) Terphenyl-d14	19.71	244	4814	0.38	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.10	88	86	0.122	ng	88
3) n-Nitrosodimethylamine	3.53	42	39m	0.119	ng	
6) bis(2-Chloroethyl)ether	7.13	93	133	0.106	ng	# 62
9) Naphthalene	10.51	128	2169	0.124	ng	# 88
10) Hexachlorobutadiene	10.77	225	208	0.123	ng	99
12) 2-Methylnaphthalene	12.15	142	338	0.110	ng	92
16) Acenaphthylene	14.05	152	742	0.123	ng	99
17) Acenaphthene	14.38	154	385	0.112	ng	92
18) Fluorene	15.38	166	603	0.119	ng	98
20) 4-Bromophenyl-phenylether	16.28	248	299	0.123	ng	# 87
21) Hexachlorobenzene	16.37	284	300	0.119	ng	98
22) Pentachlorophenol	16.79	266	128	0.168	ng	83
23) Phenanthrene	17.11	178	1089	0.118	ng	99
24) Anthracene	17.22	178	893	0.107	ng	99
26) Fluoranthene	19.13	202	1887	0.128	ng	100
28) Pyrene	19.50	202	1925	0.120	ng	99
30) Benzo(a)anthracene	21.23	228	2222	0.112	ng	97
31) Chrysene	21.28	228	2656	0.133	ng	95
32) Bis(2-ethylhexyl)phthalate	21.15	149	3719	0.075	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.23	276	3176	0.120	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	2433	0.120	ng	# 76
36) Benzo(k)fluoranthene	22.98	252	2801	0.124	ng	# 87
37) Benzo(a)pyrene	23.56	252	2714	0.134	ng	# 65
38) Dibenzo(a,h)anthracene	26.26	278	2492	0.118	ng	# 83
39) Benzo(g,h,i)perylene	27.01	276	2672	0.123	ng	# 89

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