

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073018\
 Data File : BN002194.D
 Acq On : 30 Jul 2018 20:11
 Operator : JU/SJ
 Sample : J3762-03
 Misc : MDL 0.1PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Manual Integrations
 APPROVED

Sohil
 7/31/2018 3:37:15 PM

Quant Time: Jul 31 11:35:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 16:17:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	3370	0.40	ng	0.00
7) Naphthalene-d8	10.47	136	13586	0.40	ng	0.00
13) Acenaphthene-d10	14.32	164	7285	0.40	ng	0.00
19) Phenanthrene-d10	17.08	188	14988	0.40	ng	0.01
27) Chrysene-d12	21.27	240	11186	0.40	ng	0.00
34) Perylene-d12	23.50	264	10575	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.32	112	2707	0.34	ng	0.00
5) Phenol-d6	6.88	99	2962	0.31	ng	0.00
8) Nitrobenzene-d5	8.86	82	3455	0.34	ng	0.01
11) 2-Methylnaphthalene-d10	12.06	152	7423	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	788	0.25	ng	0.01
15) 2-Fluorobiphenyl	12.95	172	10539	0.38	ng	0.01
25) Fluoranthene-d10	19.11	212	13174	0.36	ng	0.00
29) Terphenyl-d14	19.71	244	8612	0.36	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.29	88	411	0.108	ng	84
3) n-Nitrosodimethylamine	3.66	42	74m	0.137	ng	
6) bis(2-Chloroethyl)ether	7.14	93	819	0.089	ng	98
9) Naphthalene	10.52	128	2846	0.093	ng	# 90
10) Hexachlorobutadiene	10.80	225	624	0.094	ng	# 54
12) 2-Methylnaphthalene	12.14	142	1840	0.089	ng	98
16) Acenaphthylene	14.04	152	2641	0.085	ng	99
17) Acenaphthene	14.39	154	1826	0.091	ng	97
18) Fluorene	15.38	166	2155	0.088	ng	# 79
20) 4-Bromophenyl-phenylether	16.27	248	715	0.084	ng	# 76
21) Hexachlorobenzene	16.39	284	913	0.097	ng	96
22) Pentachlorophenol	16.77	266	95	0.134	ng	# 74
23) Phenanthrene	17.11	178	3312	0.089	ng	97
24) Anthracene	17.22	178	2356	0.076	ng	97
26) Fluoranthene	19.14	202	3285	0.081	ng	97
28) Pyrene	19.50	202	3311	0.100	ng	99
30) Benzo(a)anthracene	21.26	228	2659	0.094	ng	97
31) Chrysene	21.31	228	2902	0.092	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	1145	0.089	ng	# 95
33) Indeno(1,2,3-cd)pyrene	25.74	276	3135	0.106	ng	# 93
35) Benzo(b)fluoranthene	22.84	252	2745	0.088	ng	# 92
36) Benzo(k)fluoranthene	22.88	252	2975	0.092	ng	# 78
37) Benzo(a)pyrene	23.41	252	2562	0.091	ng	# 73
38) Dibenzo(a,h)anthracene	25.75	278	2563	0.093	ng	# 89
39) Benzo(g,h,i)perylene	26.41	276	2730	0.097	ng	# 91

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

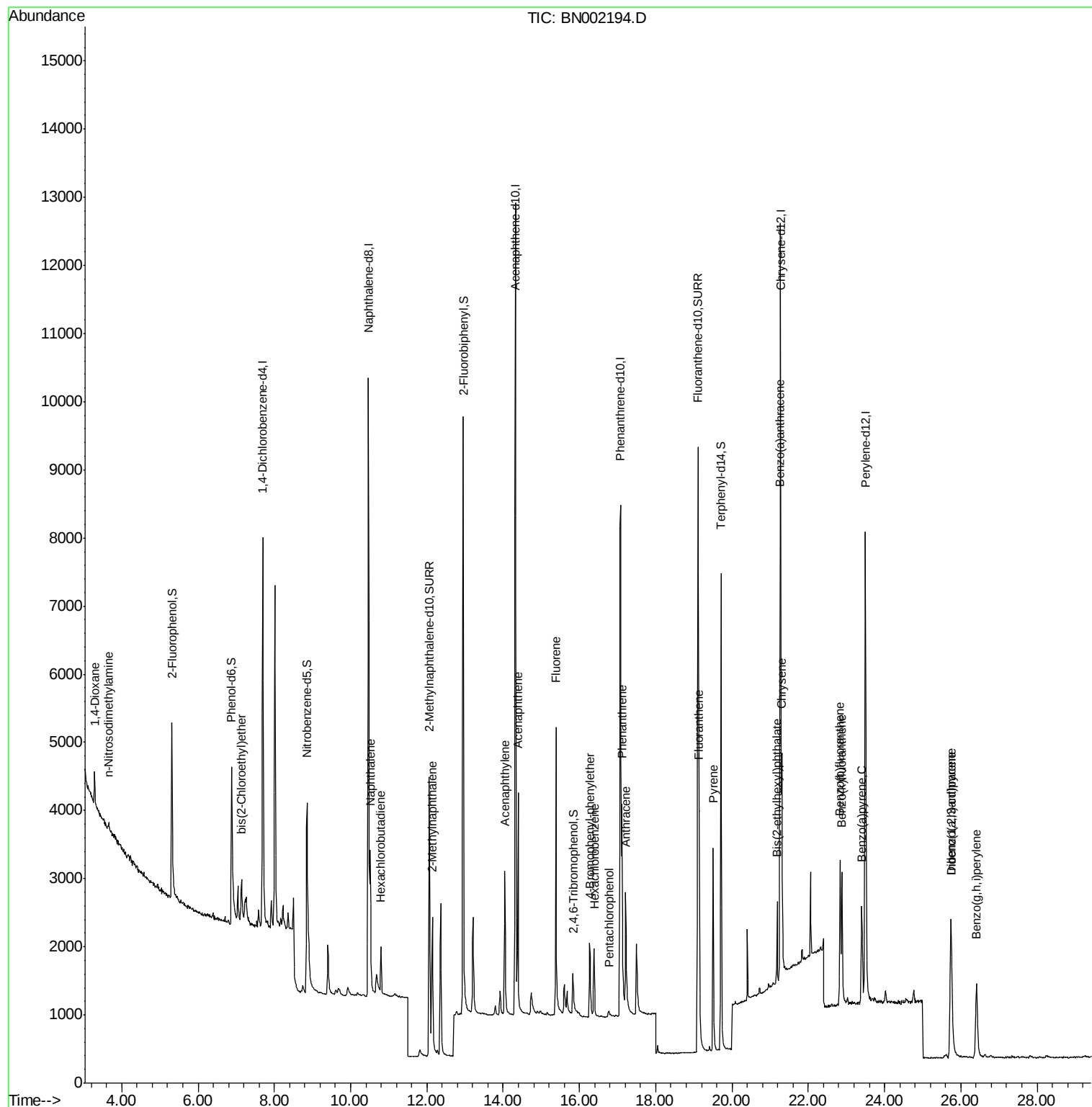
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073018\
Data File : BN002194.D
Acq On : 30 Jul 2018 20:11
Operator : JU/SJ
Sample : J3762-03
Misc : MDL 0.1PPM
ALS Vial : 12 Sample Multiplier: 1

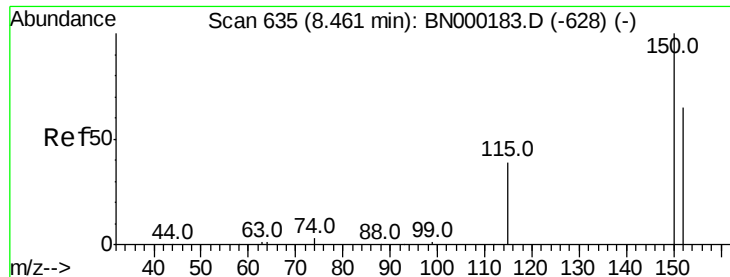
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

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Quant Time: Jul 31 11:35:42 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN073018.M
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QLast Update : Mon Jul 30 16:17:29 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 580

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

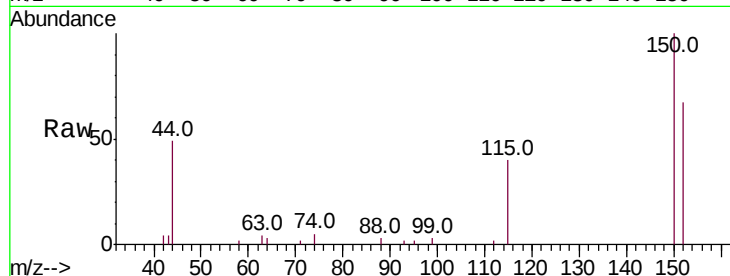
ClientSampleId :

MDL-SOIL-03-QT3-2018

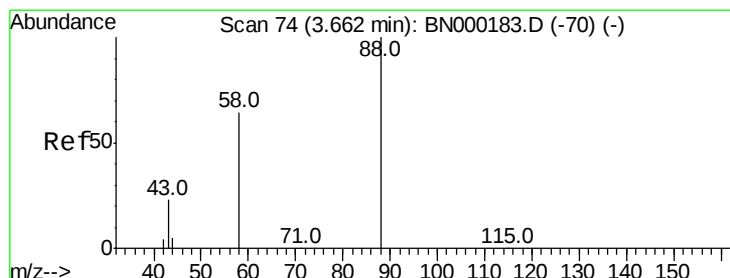
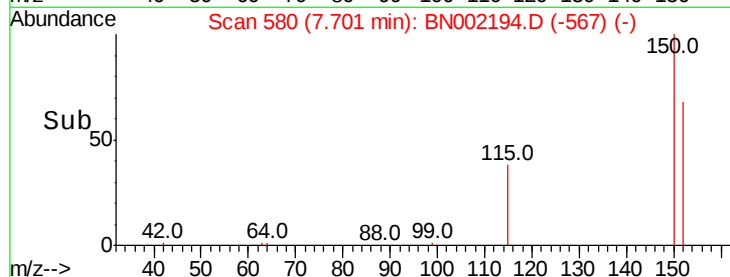
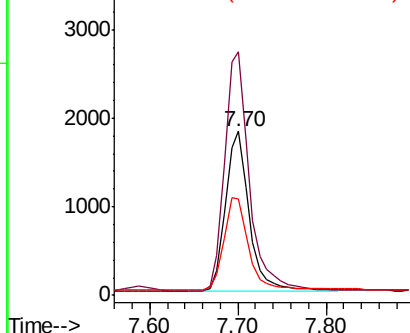
Tot Ion:	152	Resp:	3370
Ion	Ratio	Lower	Upper
152	100		
150	148.4	117.2	175.8
115	58.7	57.0	85.6

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.108 ng

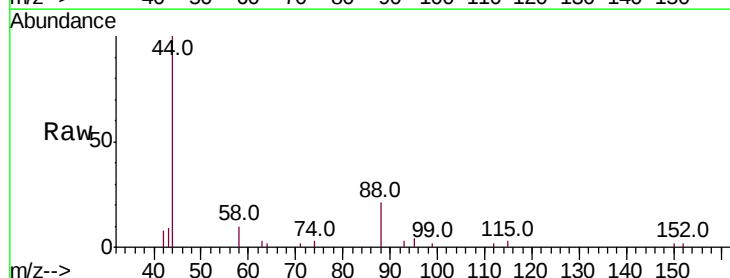
RT: 3.29 min Scan# 32

Delta R.T. -0.00 min

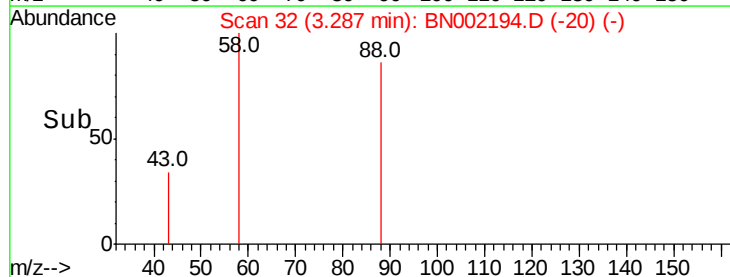
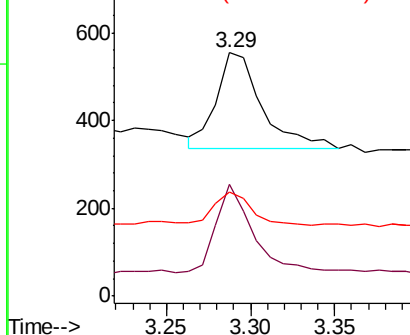
Lab File: BN002194.D

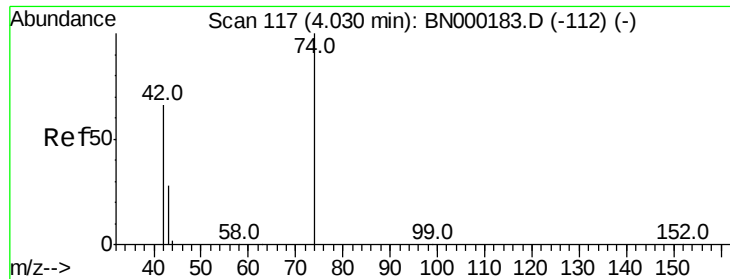
Acq: 30 Jul 2018 20:11

Tgt Ion:	88	Resp:	411
Ion	Ratio	Lower	Upper
88	100		
58	73.2	72.0	108.0
43	29.2	28.0	42.0



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.137 ng/ml

RT: 3.66 min Scan# 78

Delta R.T. 0.05 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

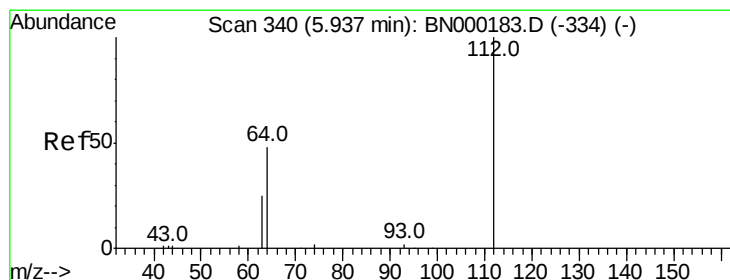
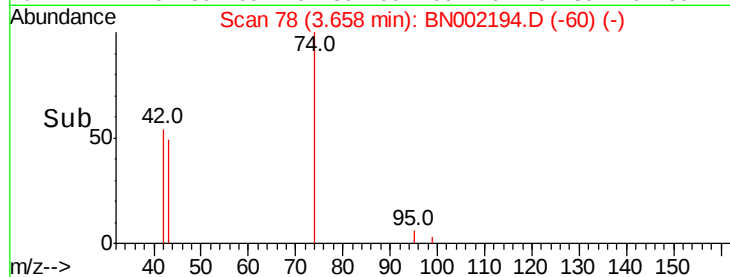
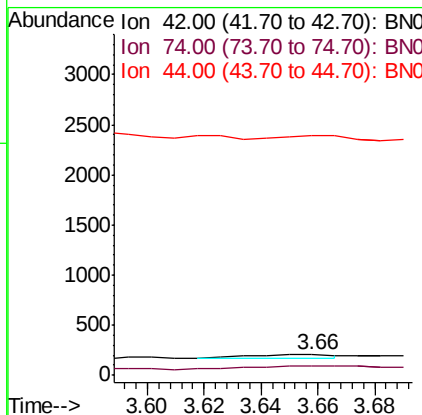
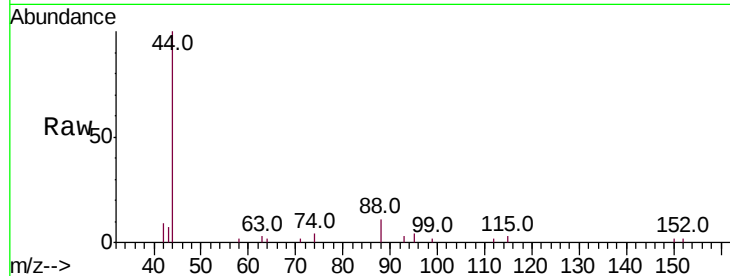
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	42	Resp	74
Ion	Ratio	Lower	Upper
42	100		
74	0.0	88.0	132.0#
44	0.0	16.0	24.0#

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#4

2-Fluorophenol

Concen: 0.344 ng/ml

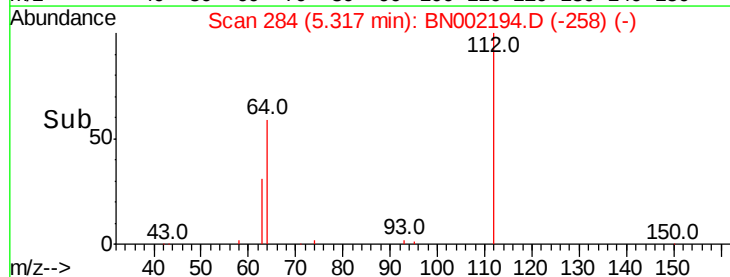
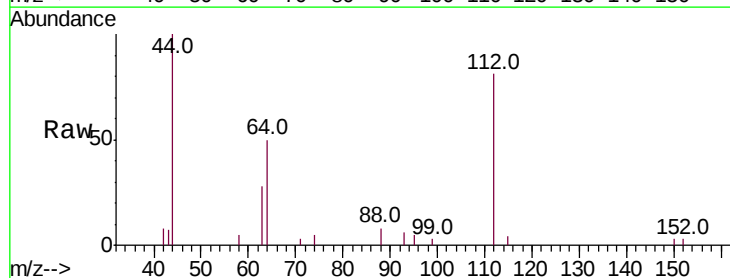
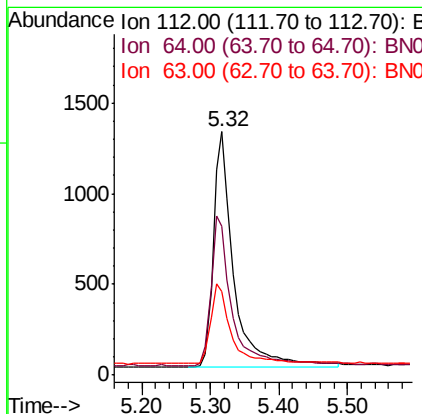
RT: 5.32 min Scan# 284

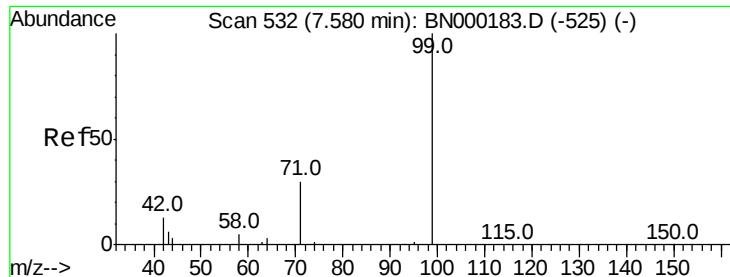
Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Tgt Ion	112	Resp	2707
Ion	Ratio	Lower	Upper
112	100		
64	64.7	60.1	90.1
63	34.4	116.8	175.2#





#5

Phenol-d6

Concen: 0.310 ng

RT: 6.88 min Scan# 478

Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

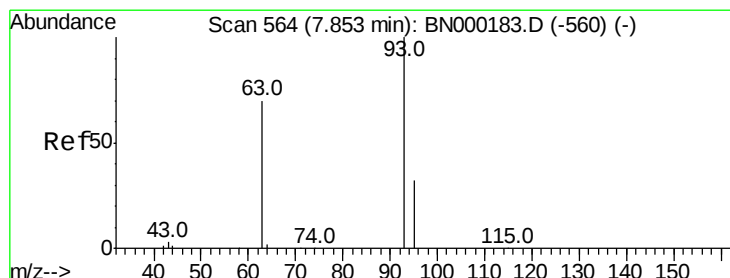
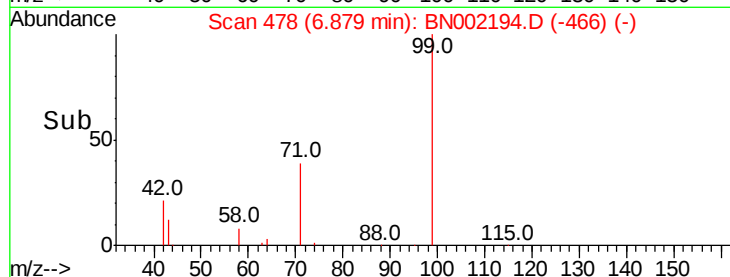
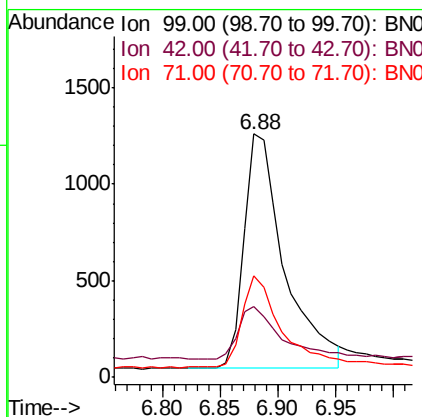
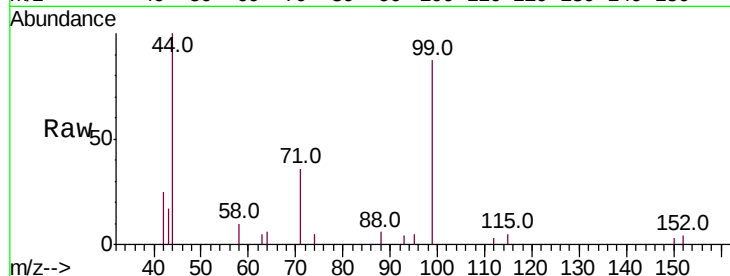
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	99	Resp:	2962
Ion	Ratio	Lower	Upper
99	100		
42	24.1	20.2	30.2
71	37.1	28.4	42.6

Manual Integrations
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#6

bis(2-Chloroethyl)ether

Concen: 0.089 ng

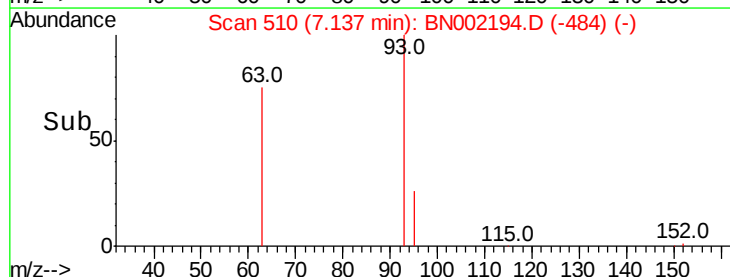
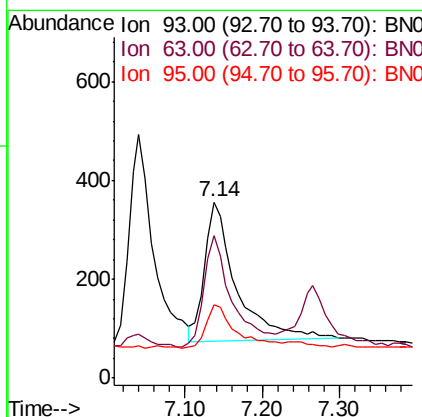
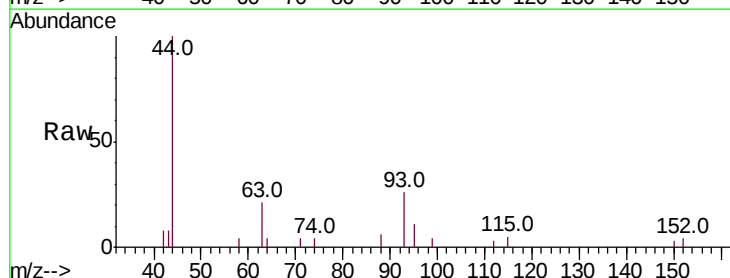
RT: 7.14 min Scan# 510

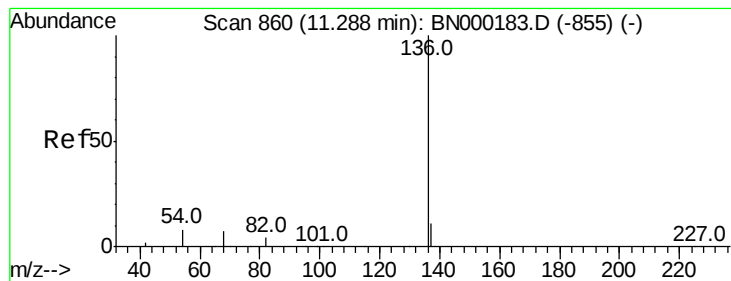
Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Tgt Ion:	93	Resp:	819
Ion	Ratio	Lower	Upper
93	100		
63	70.9	56.0	84.0
95	29.7	25.2	37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

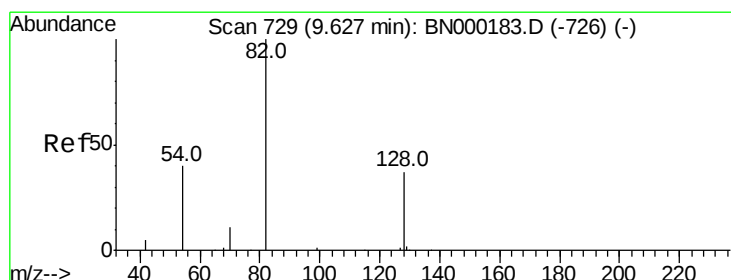
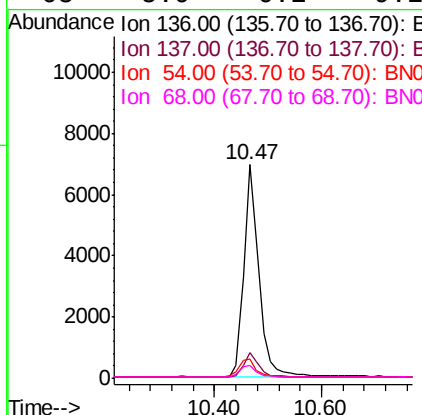
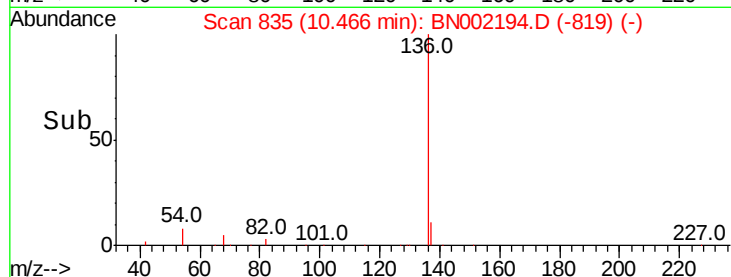
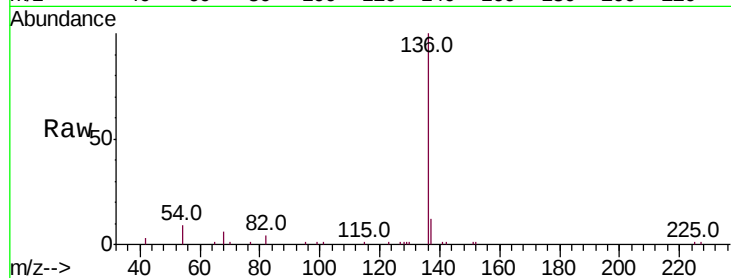
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.5	14.3
54	9.0	29.1	43.7#
68	5.9	6.2	9.2#

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#8

Nitrobenzene-d5

Concen: 0.338 ng

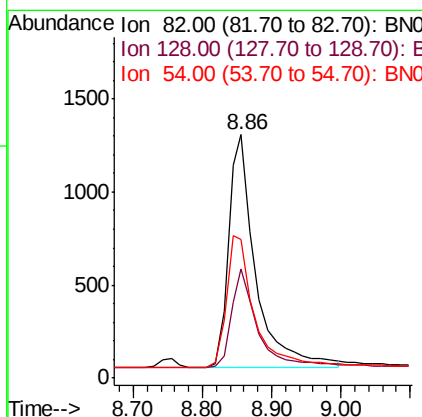
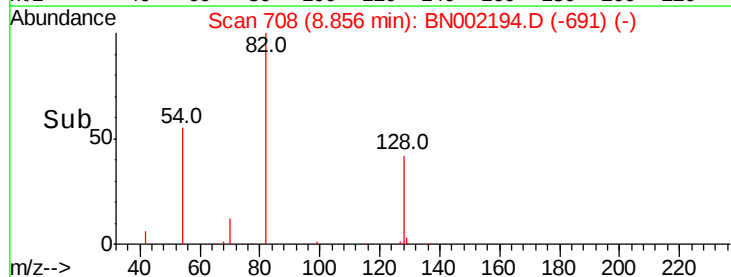
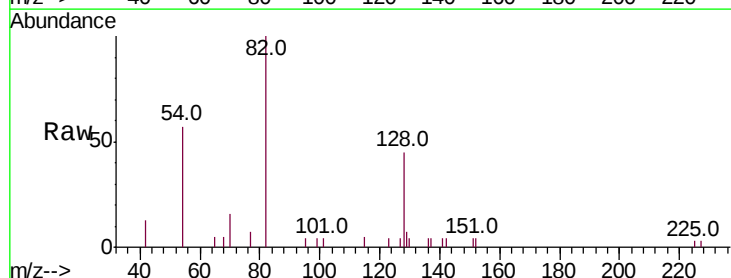
RT: 8.86 min Scan# 708

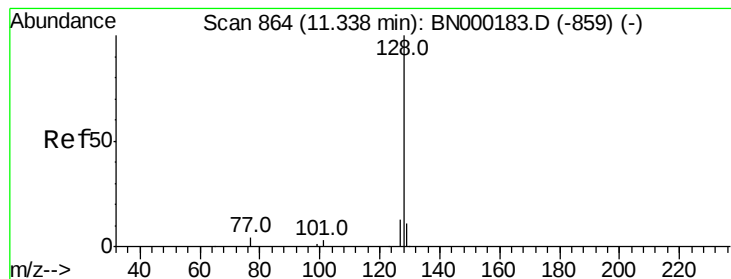
Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.9	150.0	225.0#
54	56.7	154.2	231.4#





#9

Naphthalene

Concen: 0.093 ng

RT: 10.52 min Scan# 839

Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

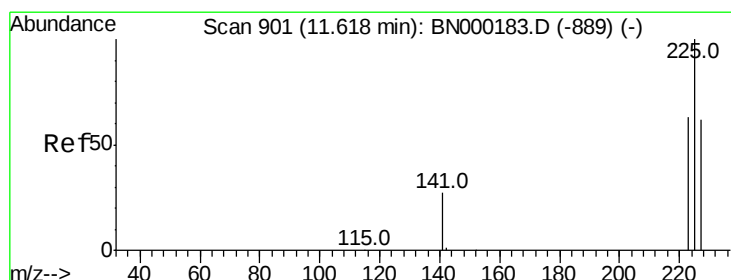
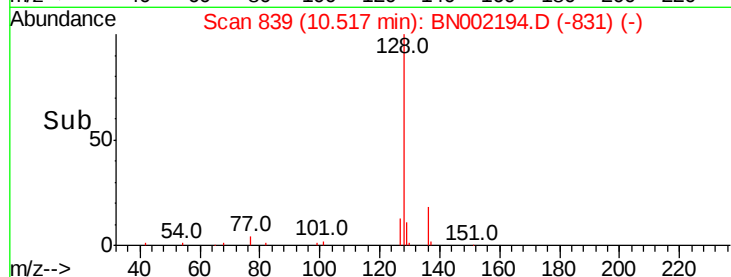
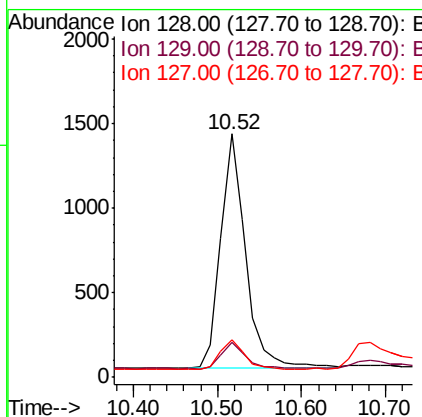
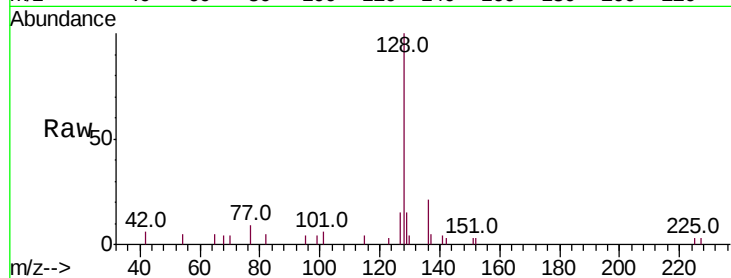
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:128	Resp:	2846
Ion Ratio	Lower	Upper
128 100		
129 14.6	8.0	12.0#
127 15.4	9.6	14.4#

Manual Integrations
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#10

Hexachlorobutadiene

Concen: 0.094 ng

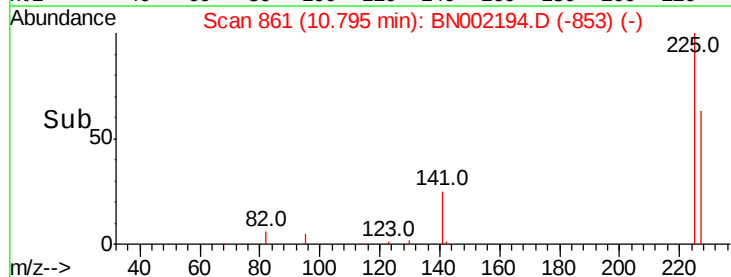
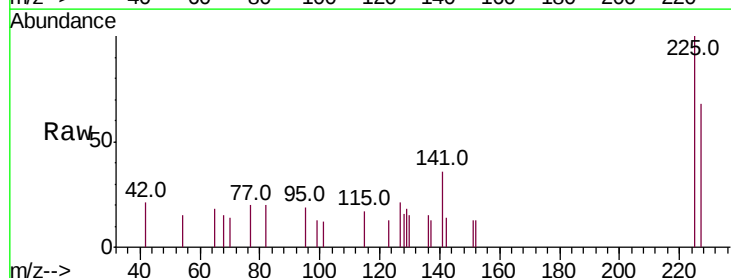
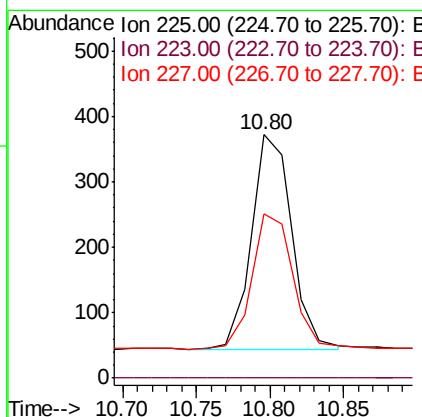
RT: 10.80 min Scan# 861

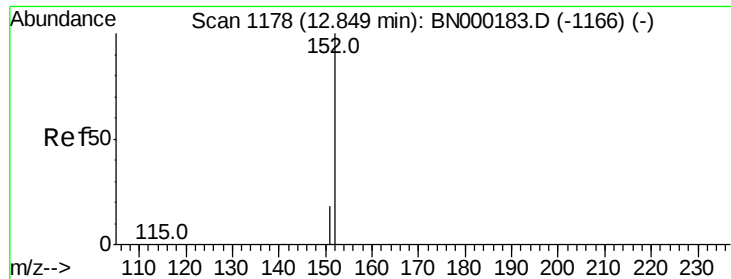
Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Tgt Ion:225	Resp:	624
Ion Ratio	Lower	Upper
225 100		
223 0.0	52.0	78.0#
227 64.6	48.0	72.0





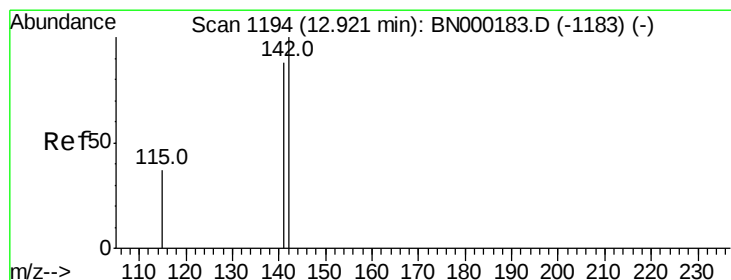
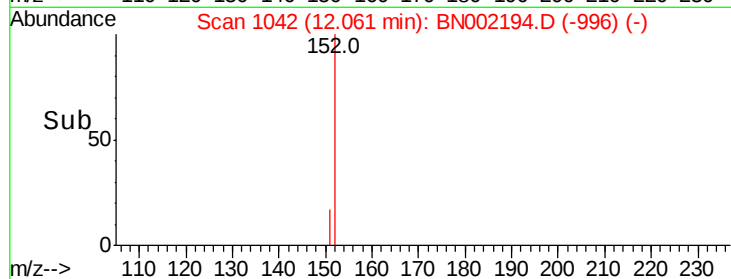
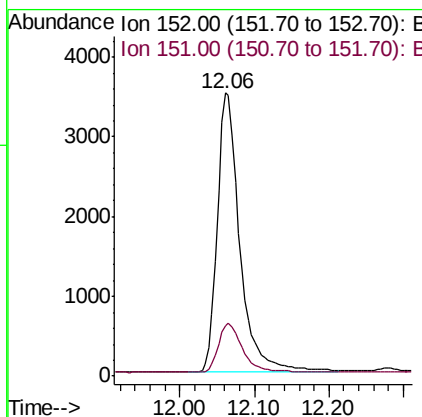
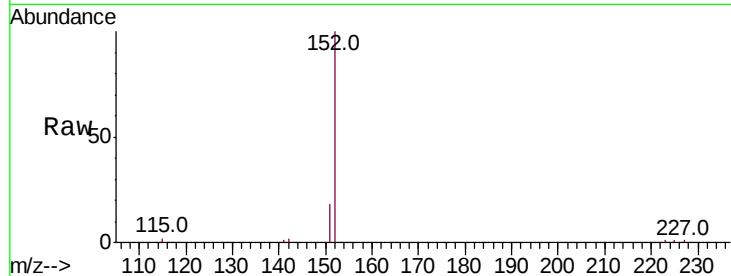
#11
2-Methylnaphthalene-d10
Concen: 0.371 ng
RT: 12.06 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion:152 Resp: 7423
Ion Ratio Lower Upper
152 100
151 18.8 15.4 23.0

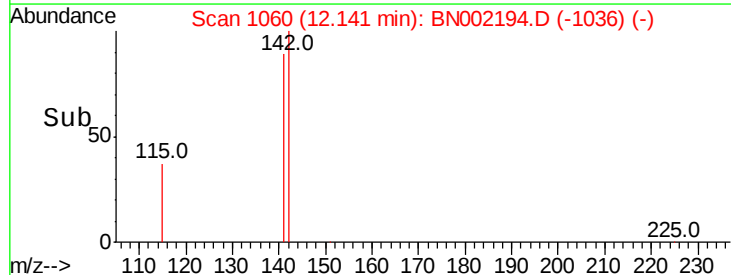
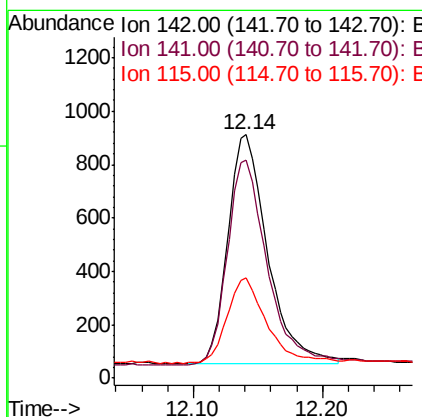
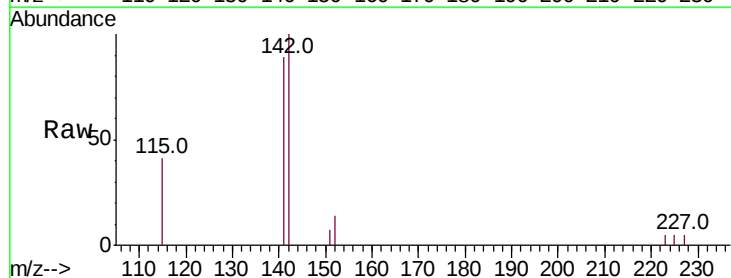
Manual Integrations
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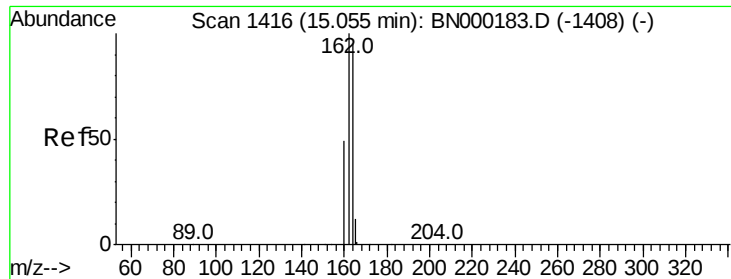
Sohil
7/31/2018 3:37:15 PM



#12
2-Methylnaphthalene
Concen: 0.089 ng
RT: 12.14 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

Tgt Ion:142 Resp: 1840
Ion Ratio Lower Upper
142 100
141 89.5 70.4 105.6
115 41.3 31.7 47.5





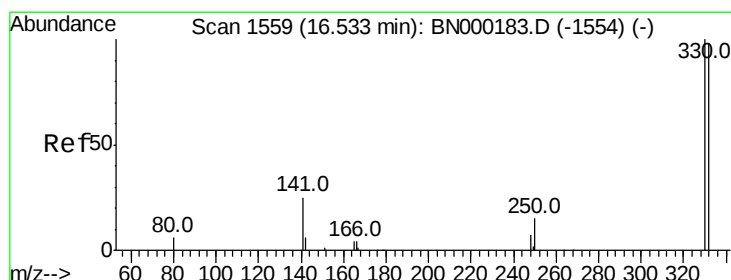
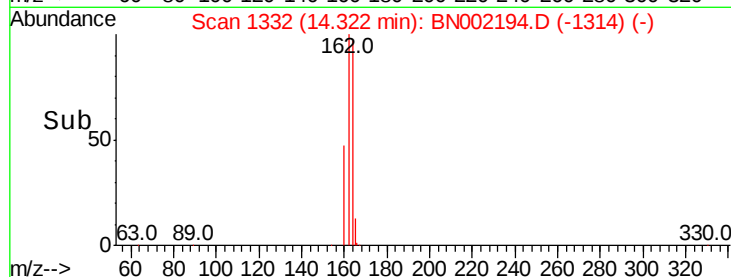
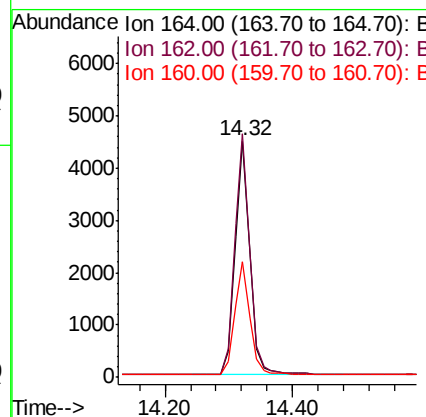
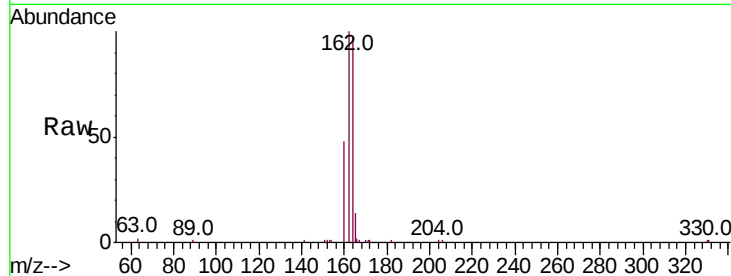
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.1	124.7
160	49.2	37.1	55.7

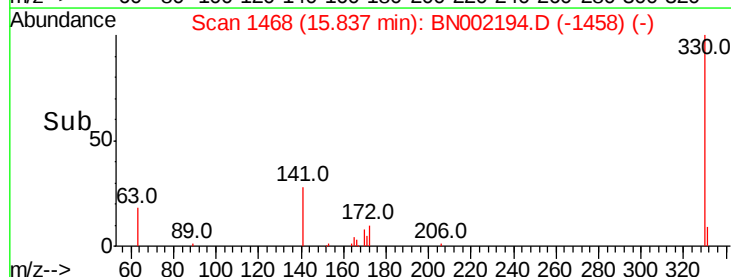
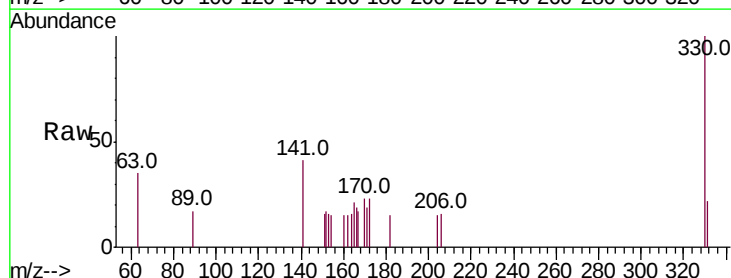
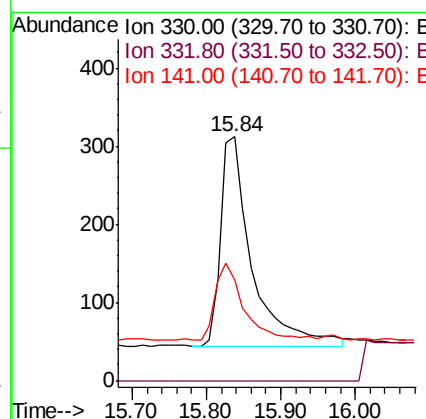
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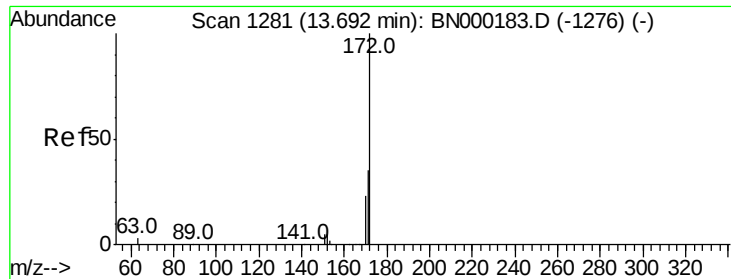
Sohil
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#14
2,4,6-Tribromophenol
Concen: 0.253 ng
RT: 15.84 min Scan# 1468
Delta R.T. 0.01 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	152.7	229.1#
141	34.3	33.7	50.5





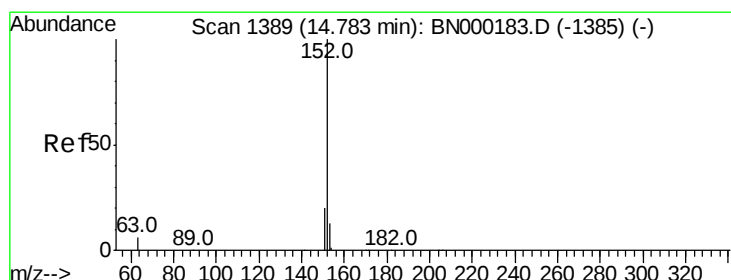
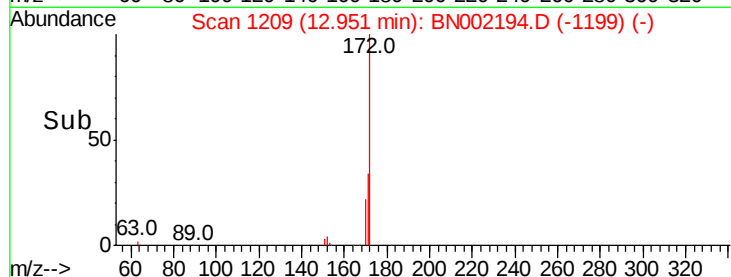
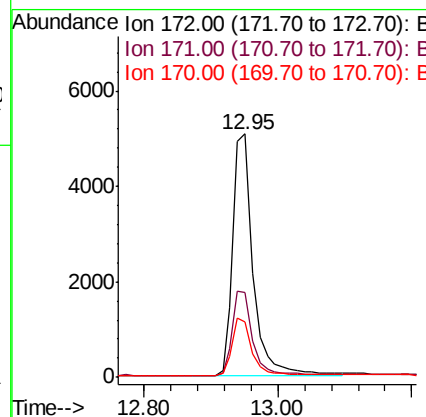
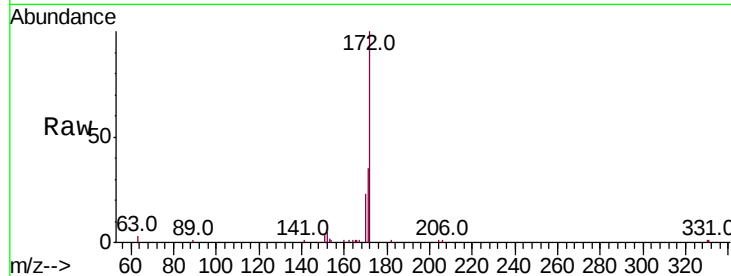
#15
2-Fluorobiphenyl
Concen: 0.377 ng
RT: 12.95 min Scan# 1209
Delta R.T. 0.01 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.9	44.9
170	22.5	21.8	32.8

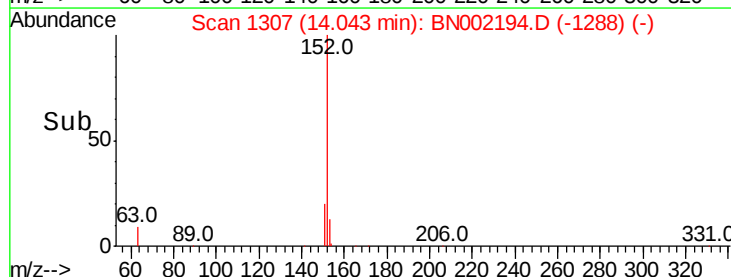
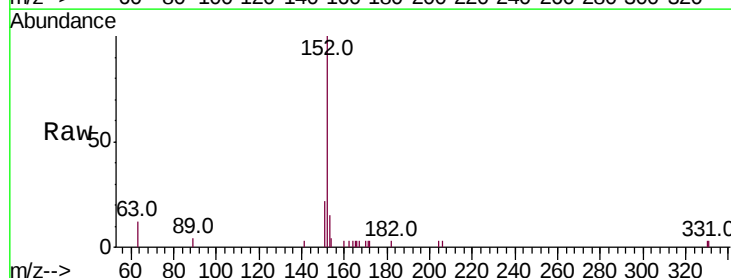
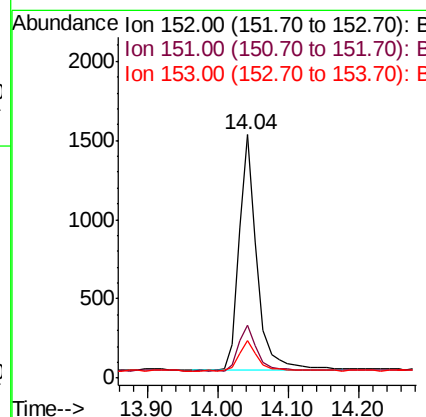
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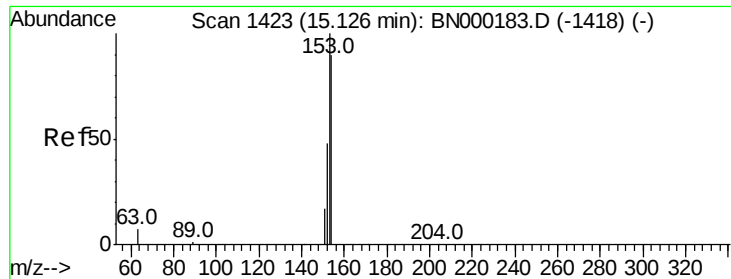
Sohil
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#16
Acenaphthylene
Concen: 0.085 ng
RT: 14.04 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	13.2	10.5	15.7





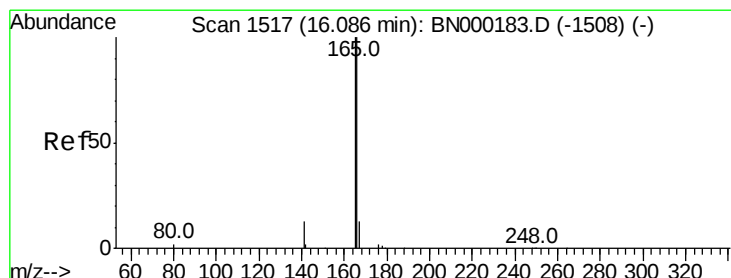
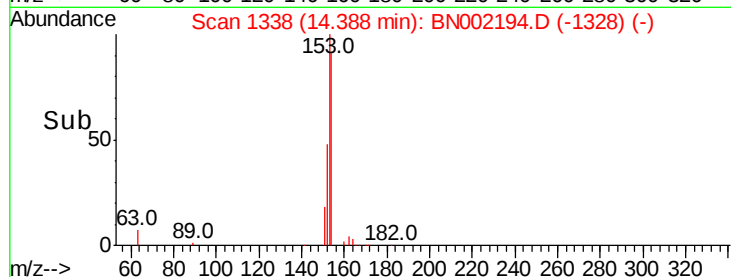
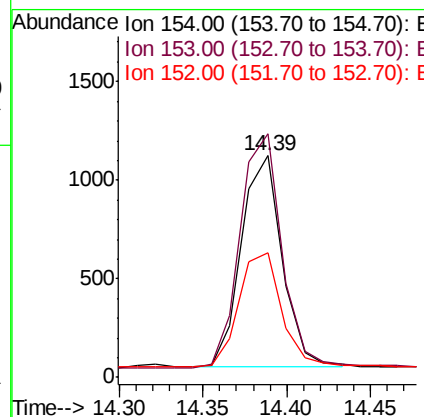
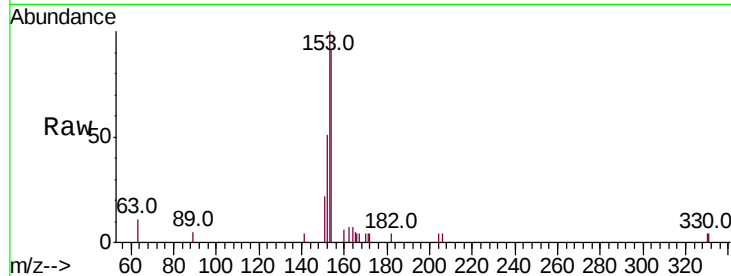
#17
Acenaphthene
Concen: 0.091 ng
RT: 14.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.2	133.8
152	56.4	42.0	63.0

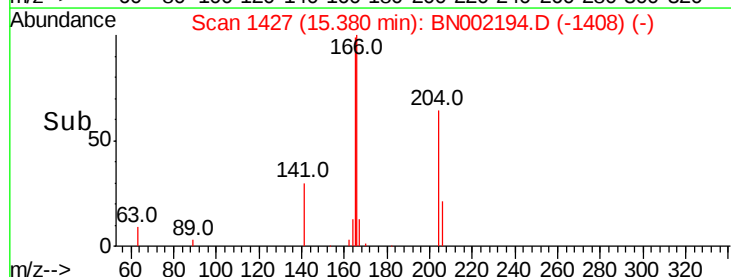
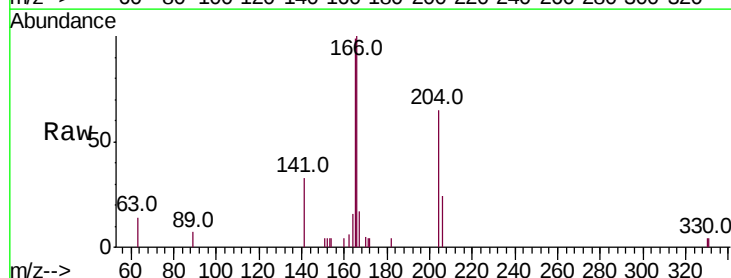
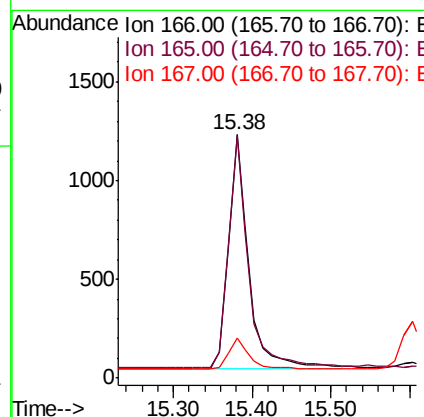
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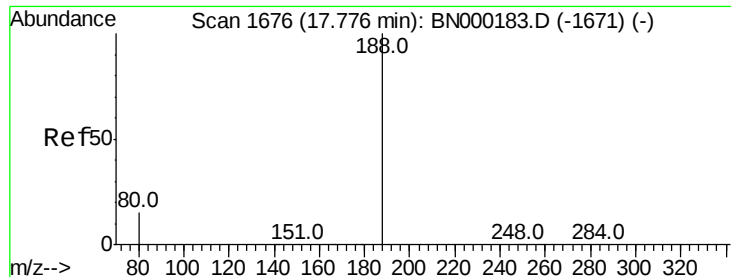
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#18
Fluorene
Concen: 0.088 ng
RT: 15.38 min Scan# 1427
Delta R.T. 0.01 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	77.8	116.6
167	13.5	42.4	63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:188 Resp: 14988

Ion Ratio Lower Upper

188 100

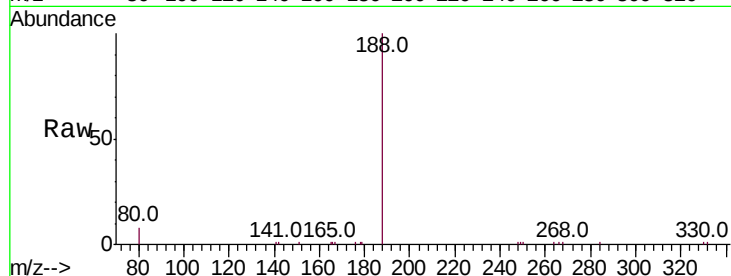
94 0.0 3.9 5.9#

80 8.4 3.6 5.4#

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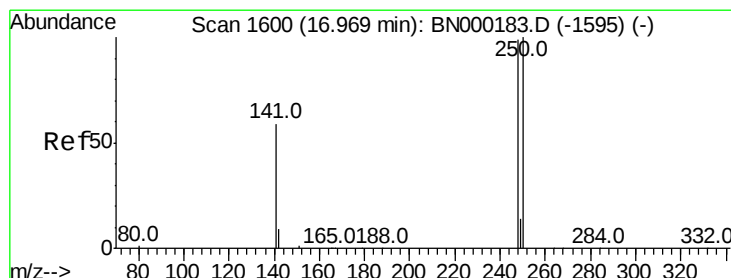
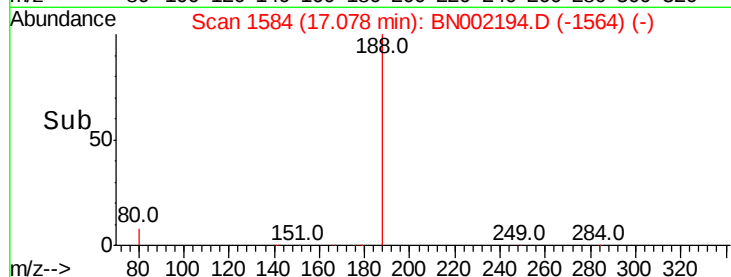
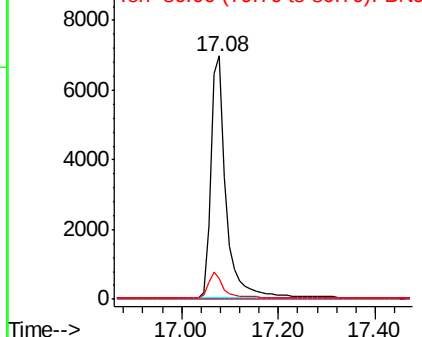
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.084 ng

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

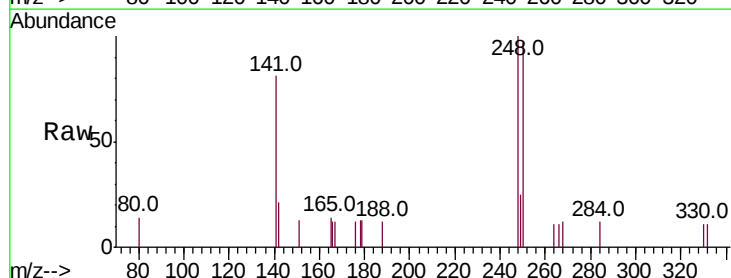
Tgt Ion:248 Resp: 715

Ion Ratio Lower Upper

248 100

250 97.3 62.7 94.1#

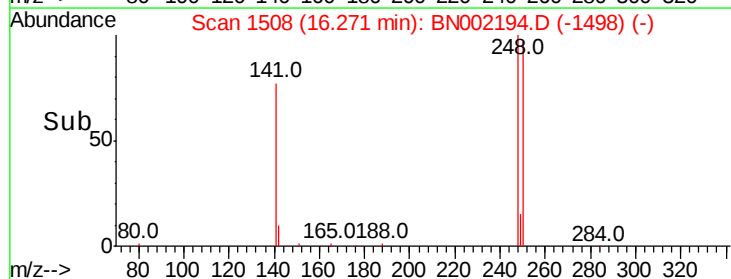
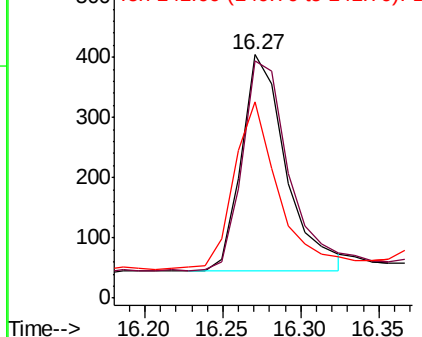
141 80.9 48.2 72.2#

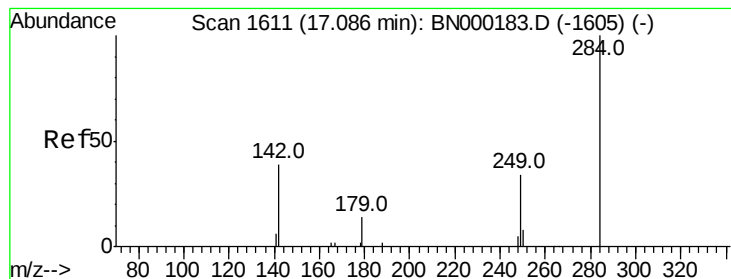


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.097 ng

RT: 16.39 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

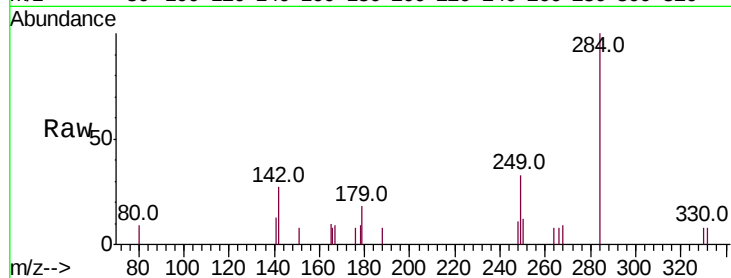
ClientSampleId :

MDL-SOIL-03-QT3-2018

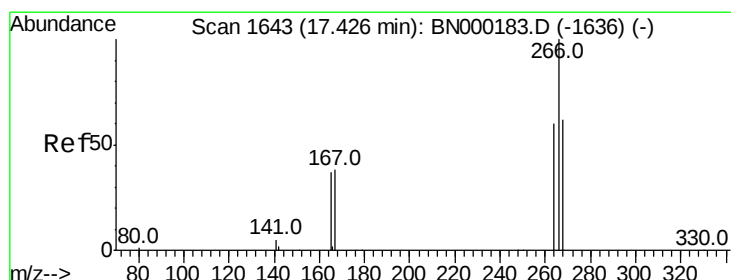
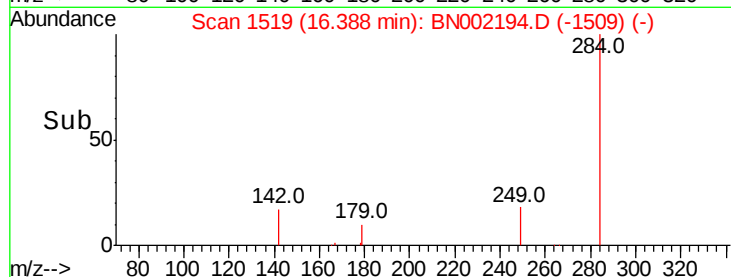
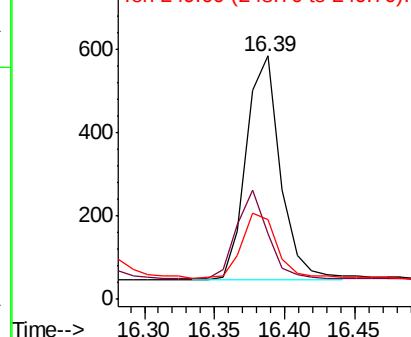
Tot Ion:	284	Resp:	913
Ion Ratio	Lower	Upper	
284	100		
142	35.5	32.0	48.0
249	30.0	24.0	36.0

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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.134 ng

RT: 16.77 min Scan# 1555

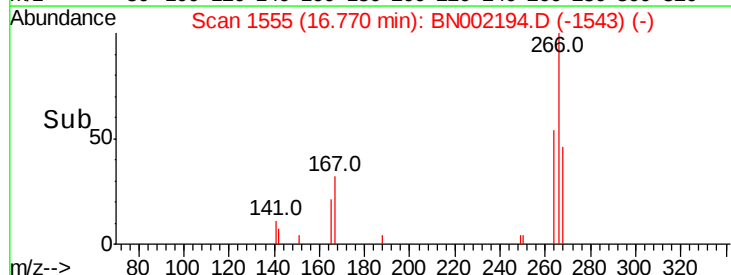
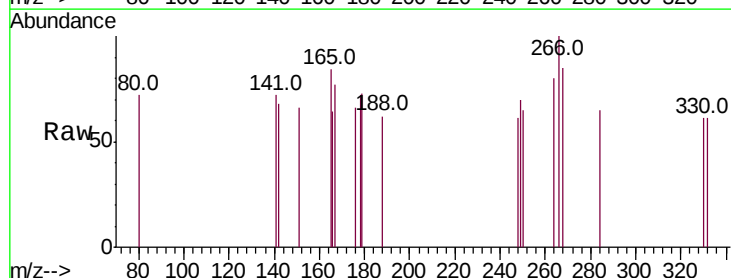
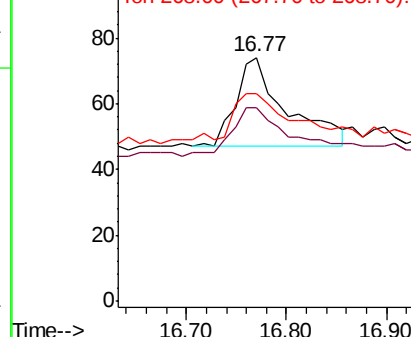
Delta R.T. 0.03 min

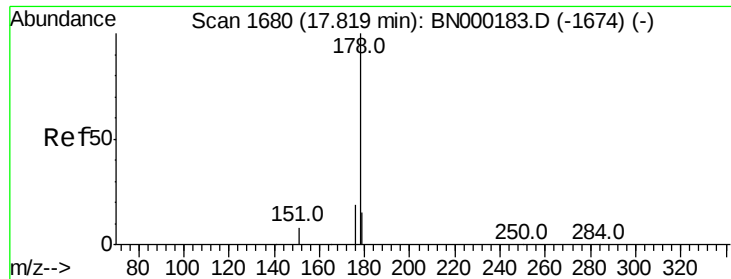
Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Tgt Ion:	266	Resp:	95
Ion Ratio	Lower	Upper	
266	100		
264	79.7	48.0	72.0#
268	85.1	52.0	78.0#

Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.089 ng

RT: 17.11 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

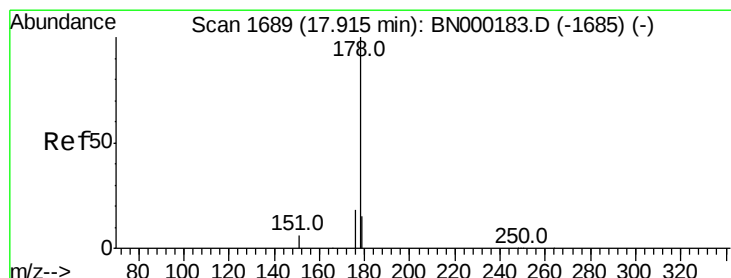
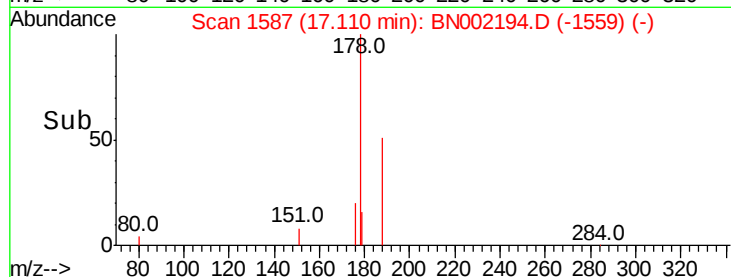
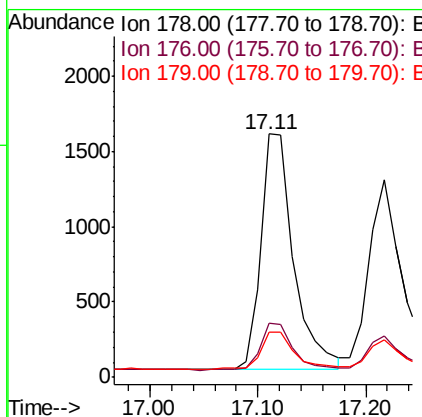
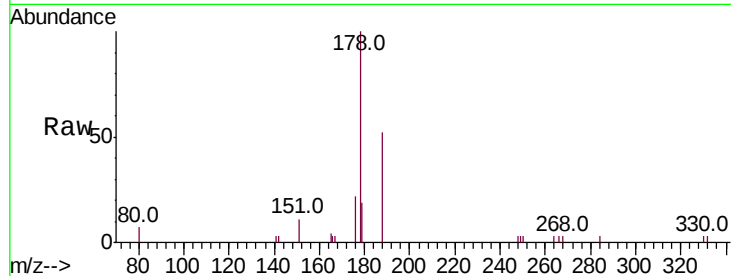
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	178	Resp:	3312
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.1	22.7
179	16.7	11.8	17.6

Manual Integrations
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#24

Anthracene

Concen: 0.076 ng

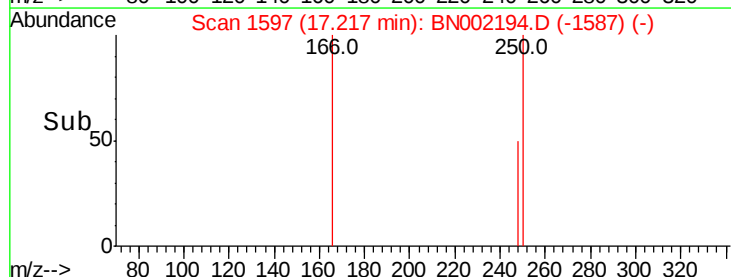
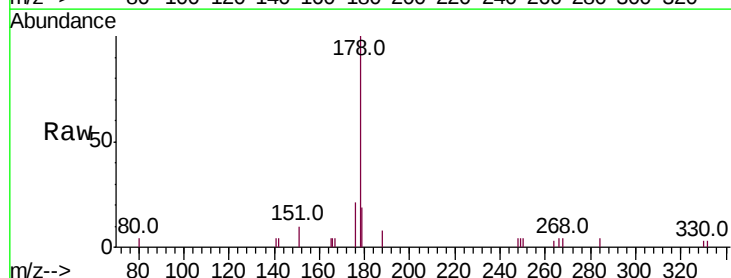
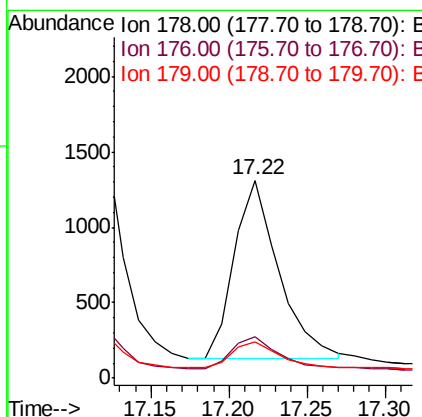
RT: 17.22 min Scan# 1597

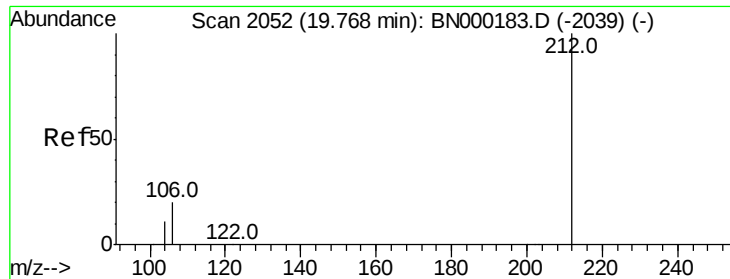
Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Tgt Ion:	178	Resp:	2356
Ion Ratio	Lower	Upper	
178	100		
176	17.9	12.8	19.2
179	15.7	13.0	19.6





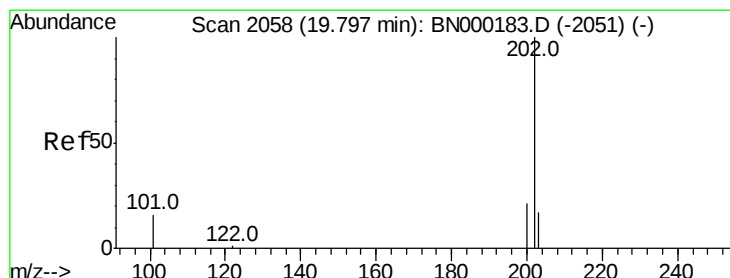
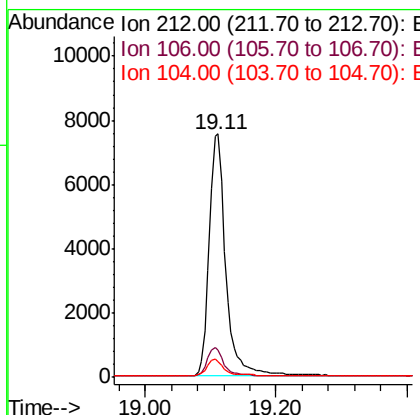
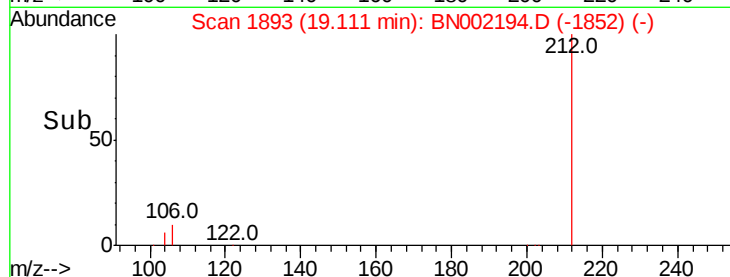
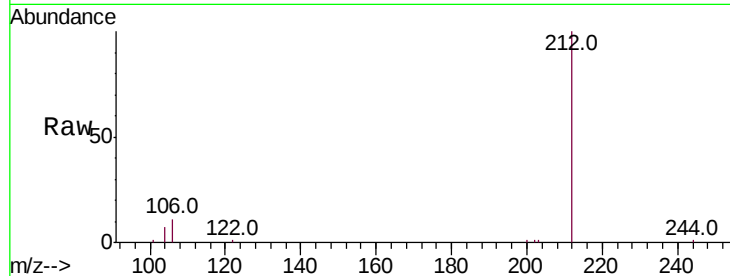
#25
Fluoranthene-d10
Concen: 0.356 ng
RT: 19.11 min Scan# 1893
Delta R.T. 0.00 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
212	100		
106	11.4	2.8	4.2#
104	6.3	1.6	2.4#

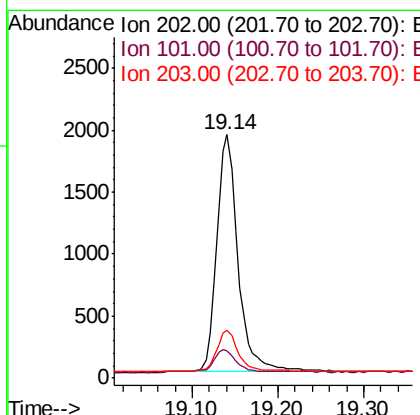
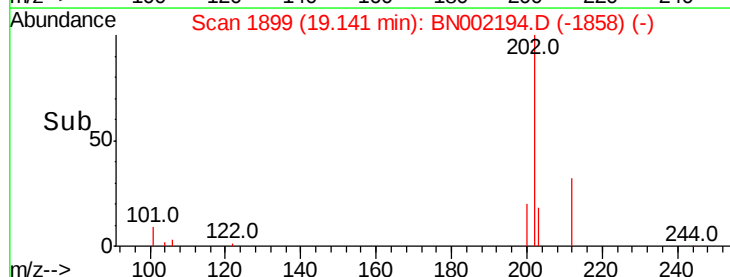
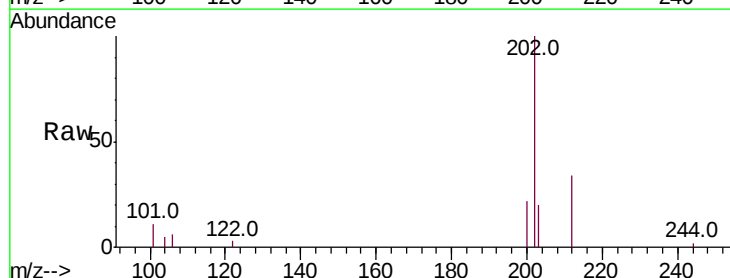
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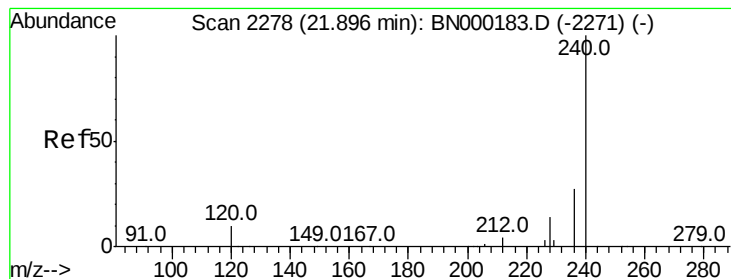
Sohil
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#26
Fluoranthene
Concen: 0.081 ng
RT: 19.14 min Scan# 1899
Delta R.T. 0.00 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	9.8	14.8
203	17.6	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

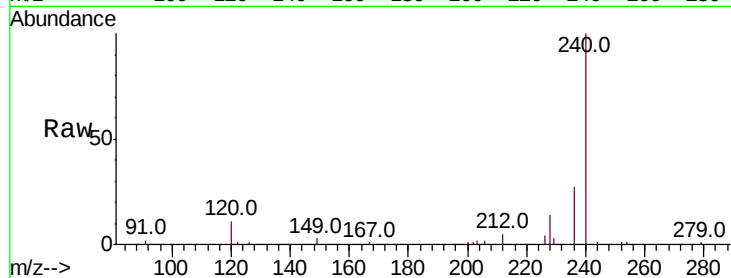
ClientSampleId :

MDL-SOIL-03-QT3-2018

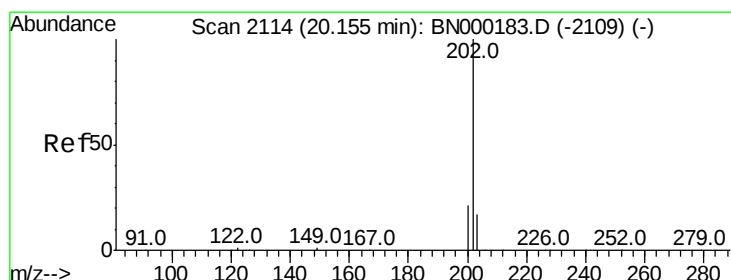
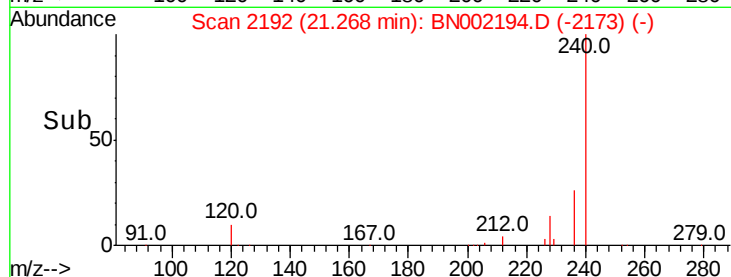
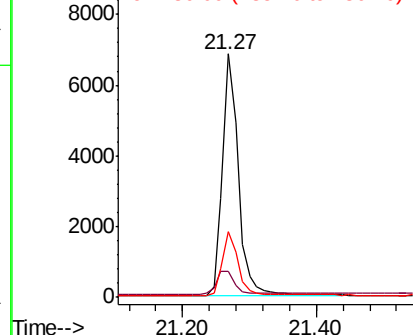
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	5.5	8.3#
236	27.0	20.7	31.1

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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: 0.100 ng

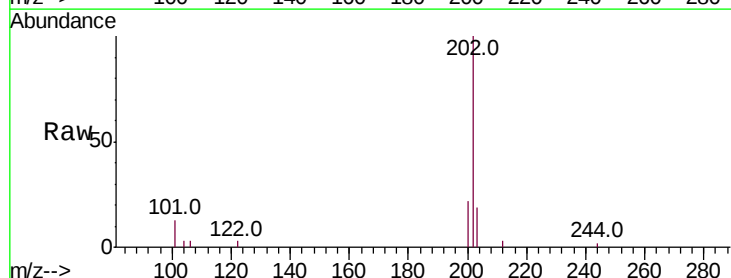
RT: 19.50 min Scan# 1972

Delta R.T. 0.00 min

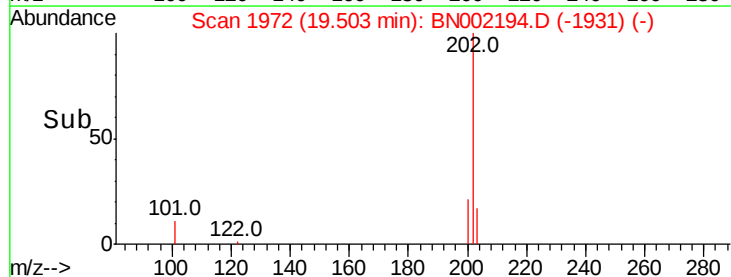
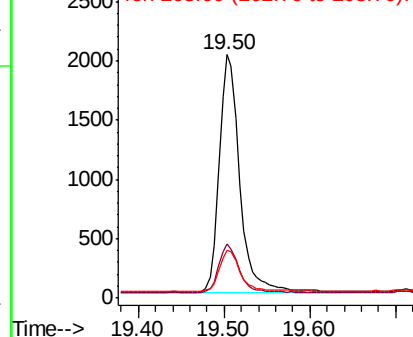
Lab File: BN002194.D

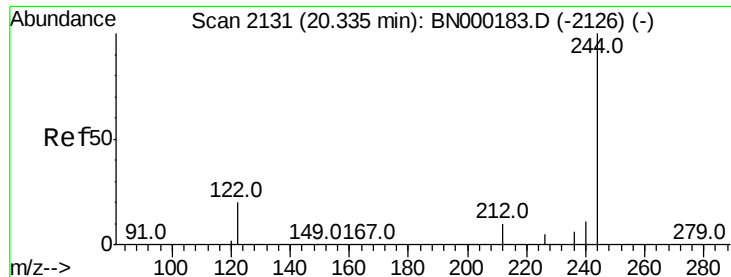
Acq: 30 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.6	25.0
203	17.7	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





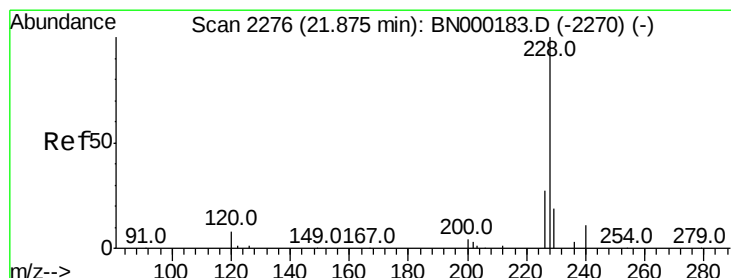
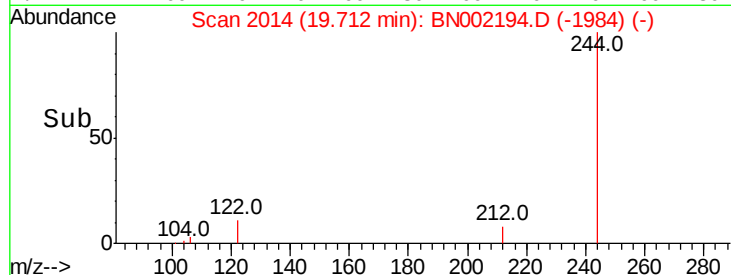
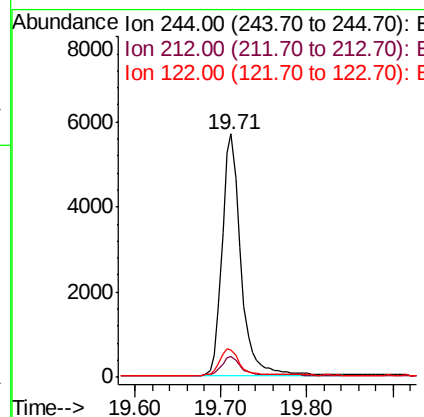
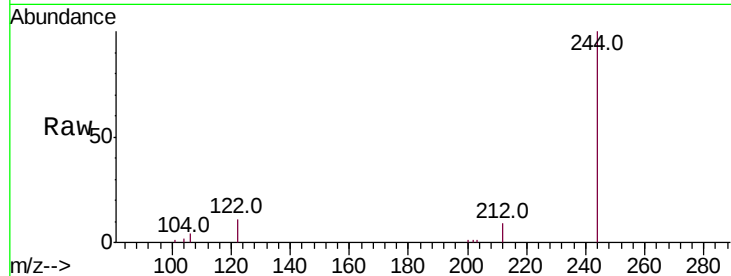
#29
 Terphenyl-d14
 Concen: 0.360 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: BN002194.D
 Acq: 30 Jul 2018 20:11

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.7	25.4	38.0#
122	11.4	8.1	12.1

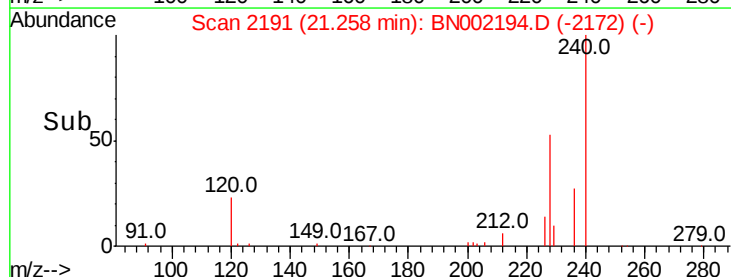
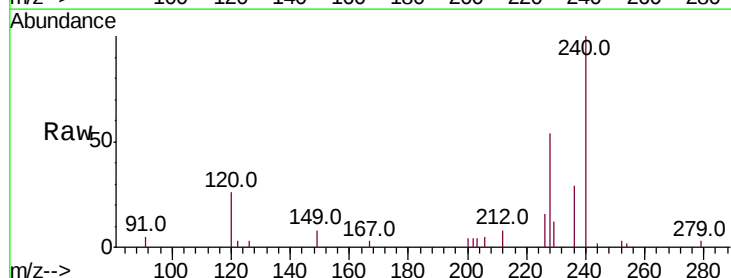
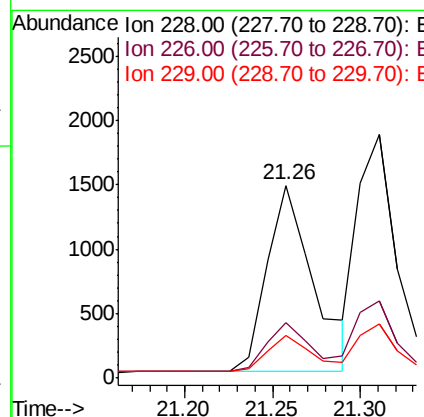
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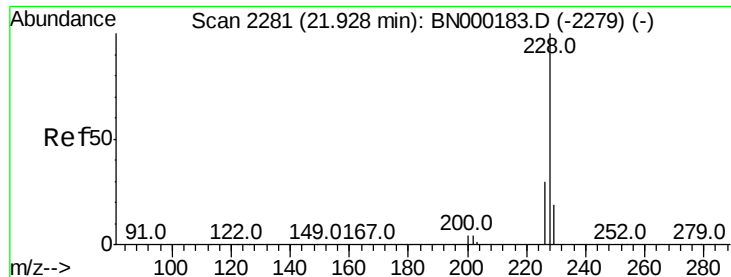
Sohil
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#30
 Benzo(a)anthracene
 Concen: 0.094 ng
 RT: 21.26 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: BN002194.D
 Acq: 30 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.0	36.0
229	21.8	16.0	24.0





#31

Chrysene

Concen: 0.092 ng

RT: 21.31 min Scan# 2196

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

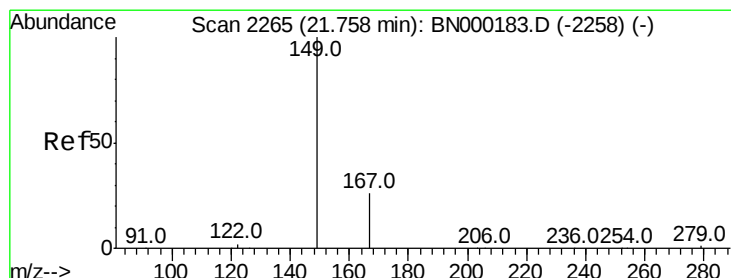
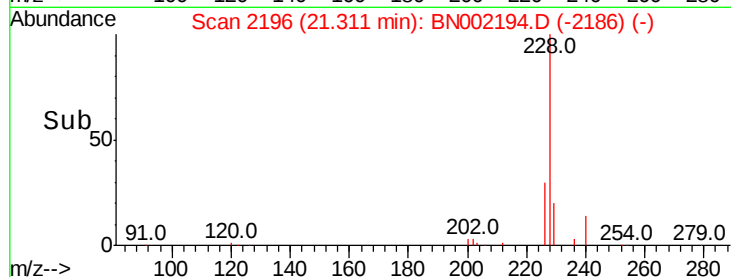
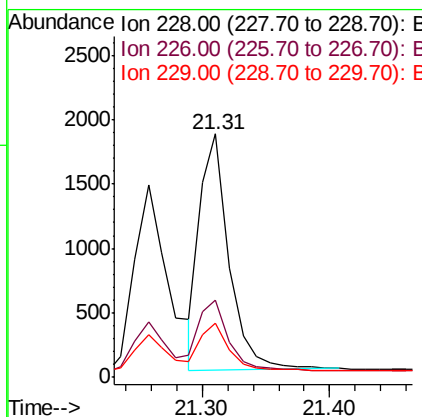
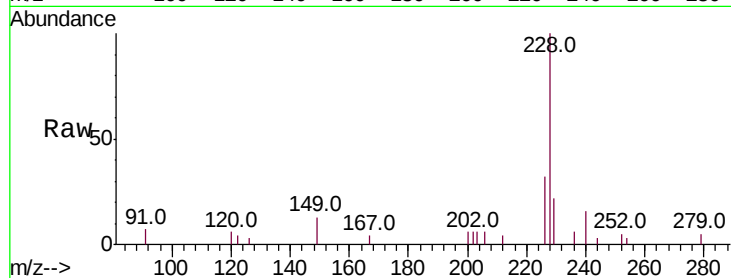
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	228	Resp:	2902
Ion Ratio	Lower	Upper	
228	100		
226	31.6	24.0	36.0
229	22.4	16.0	24.0

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.089 ng

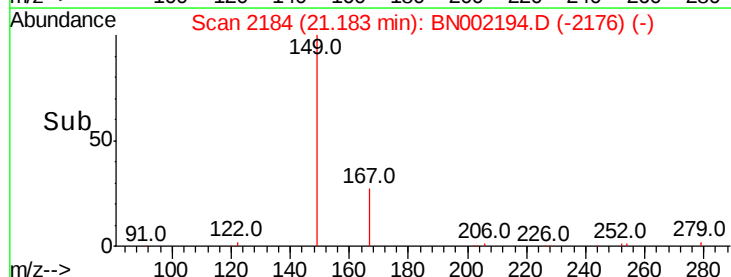
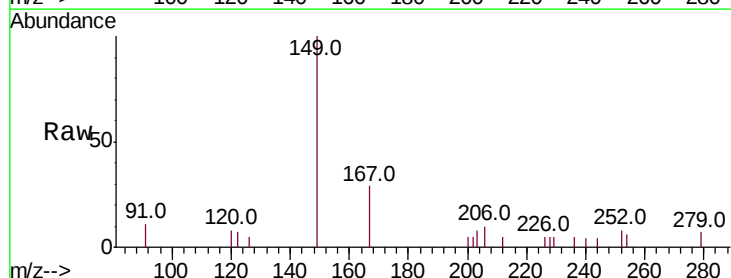
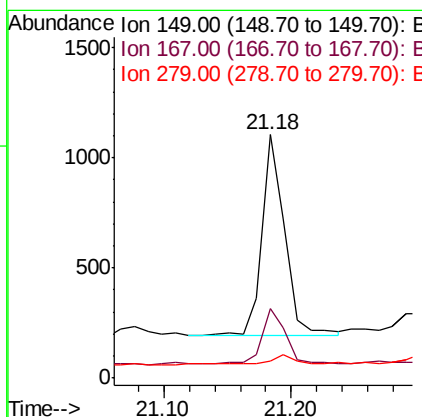
RT: 21.18 min Scan# 2184

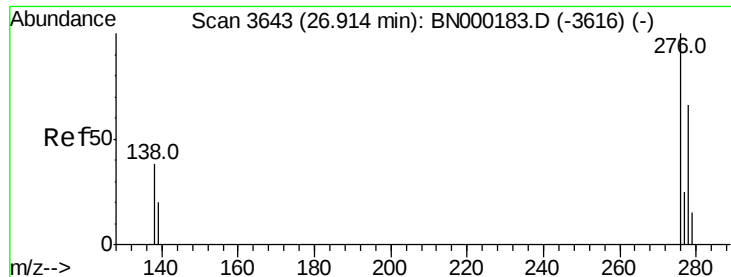
Delta R.T. -0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Tgt Ion:	149	Resp:	1145
Ion Ratio	Lower	Upper	
149	100		
167	27.2	20.0	30.0
279	4.7	1.6	2.4#





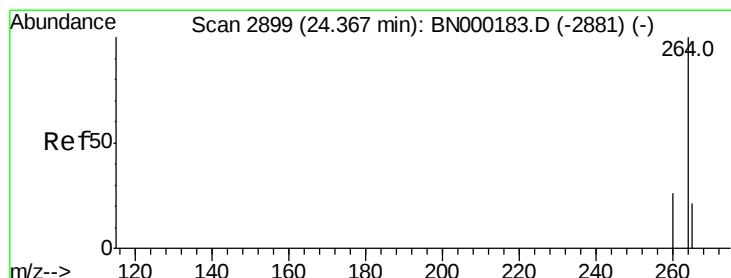
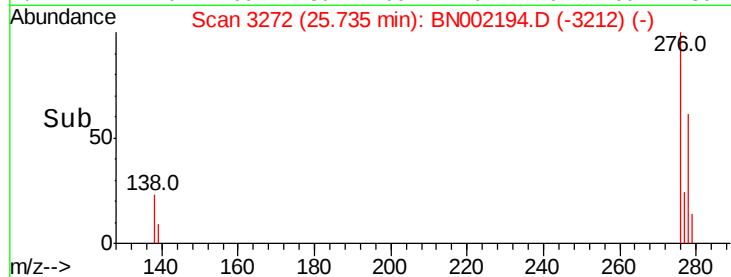
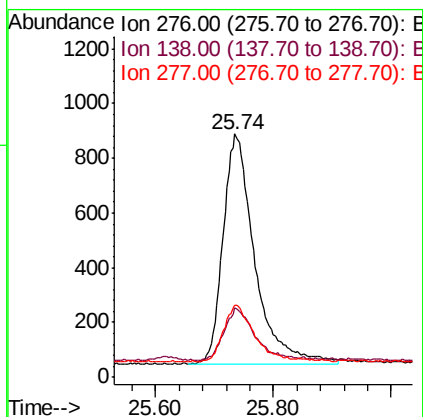
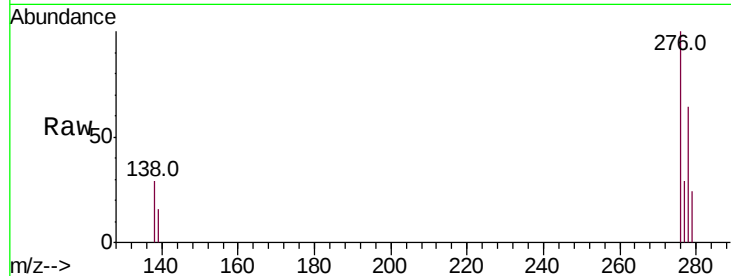
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.106 ng
 RT: 25.74 min Scan# 3272
 Delta R.T. 0.01 min
 Lab File: BN002194.D
 Acq: 30 Jul 2018 20:11

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	22.5	33.7#
277	23.8	19.9	29.9

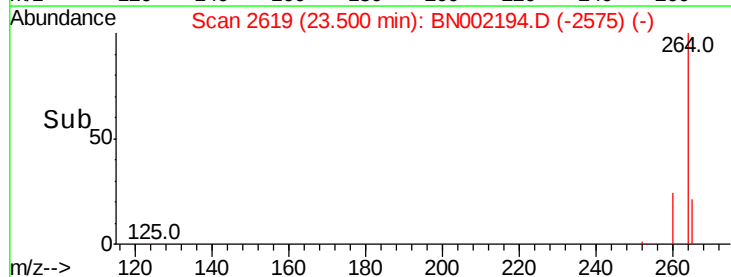
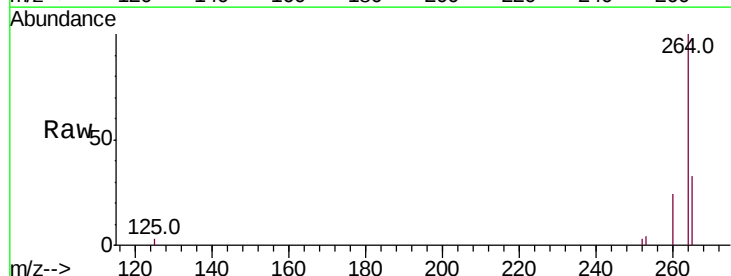
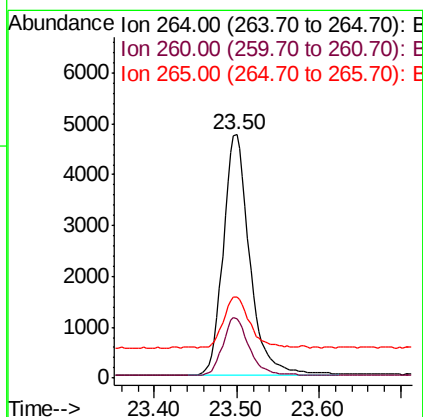
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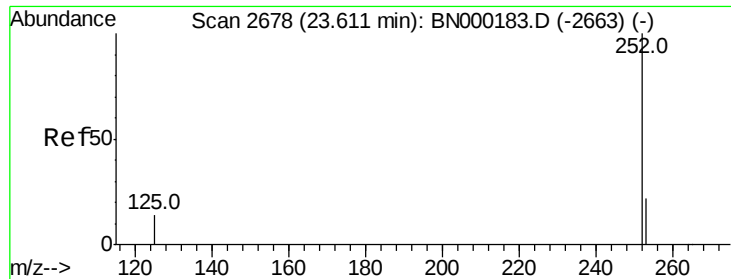
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.50 min Scan# 2619
 Delta R.T. -0.00 min
 Lab File: BN002194.D
 Acq: 30 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.5	30.7
265	33.3	22.8	34.2





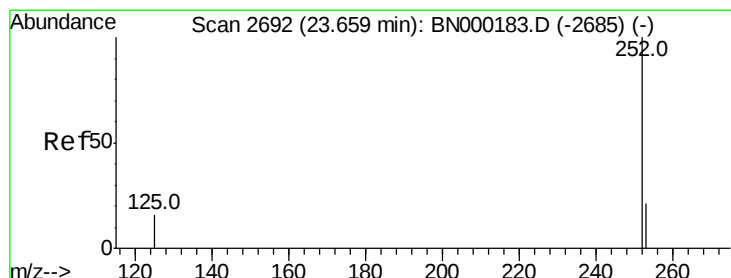
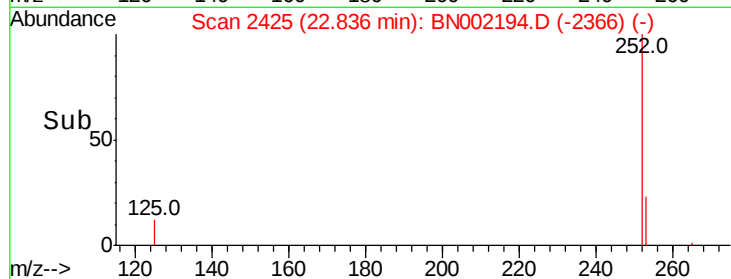
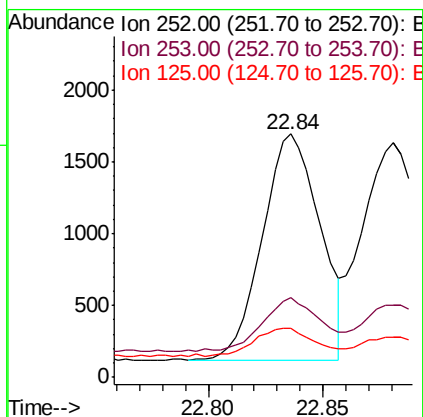
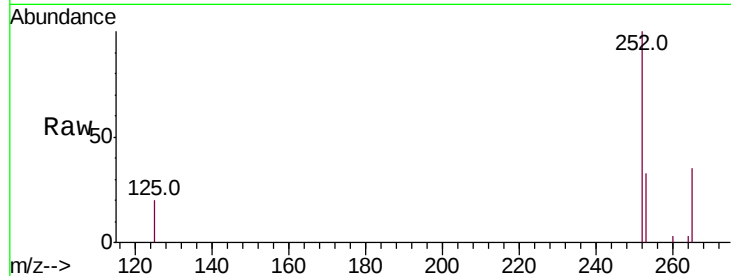
#35
Benzo(b)fluoranthene
Concen: 0.088 ng
RT: 22.84 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.5	20.0	30.0#
125	19.9	16.0	24.0

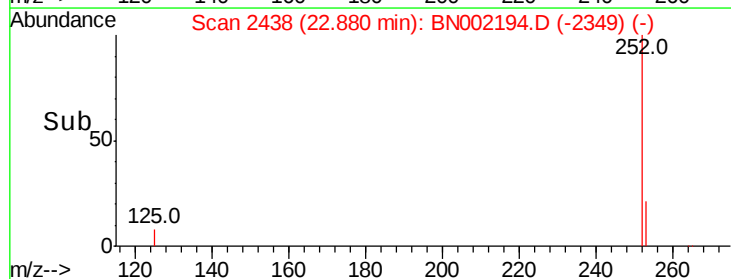
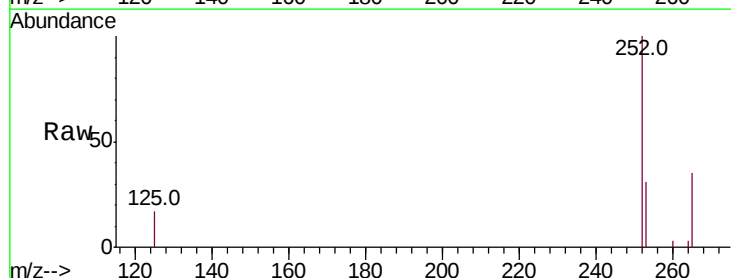
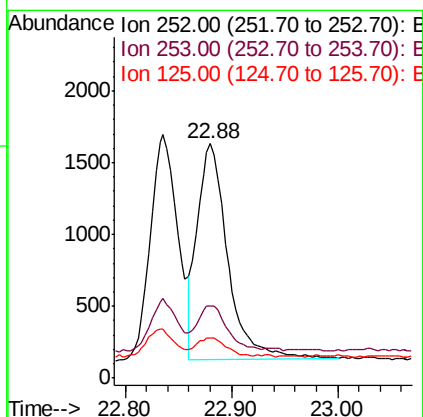
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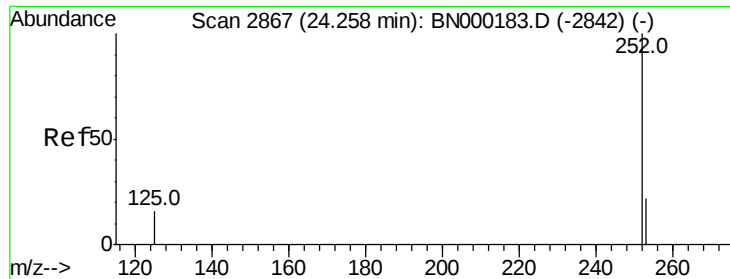
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#36
Benzo(k)fluoranthene
Concen: 0.092 ng
RT: 22.88 min Scan# 2438
Delta R.T. 0.00 min
Lab File: BN002194.D
Acq: 30 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.0	16.0	24.0#
125	17.2	8.0	12.0#





#37

Benzo(a)pyrene

Concen: 0.091 ng

RT: 23.41 min Scan# 2592

Delta R.T. 0.01 min

Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

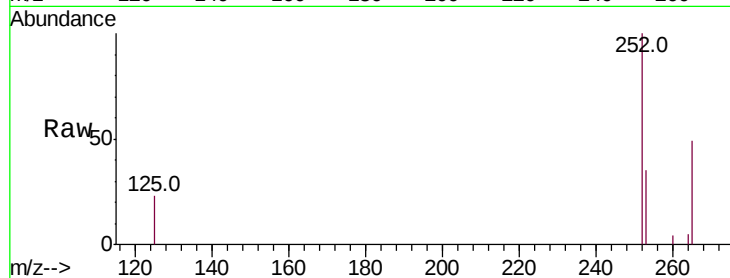
ClientSampleId :

MDL-SOIL-03-QT3-2018

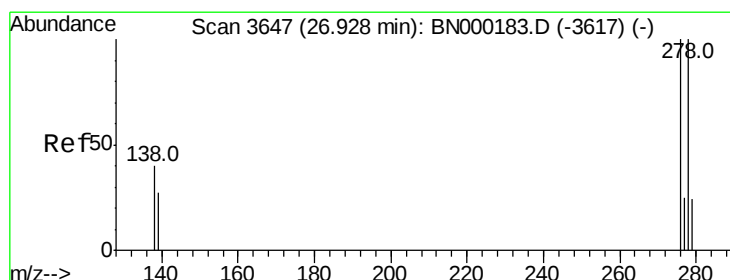
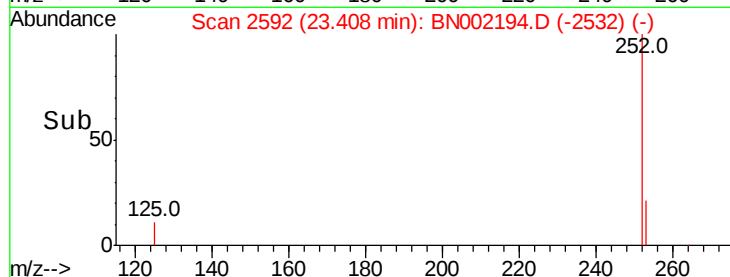
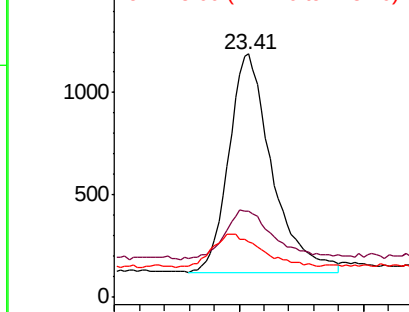
Tot Ion:	252	Resp:	2562
Ion Ratio	Lower	Upper	
252	100		
253	35.5	16.0	24.0#
125	22.5	12.0	18.0#

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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: 0.093 ng

RT: 25.75 min Scan# 3276

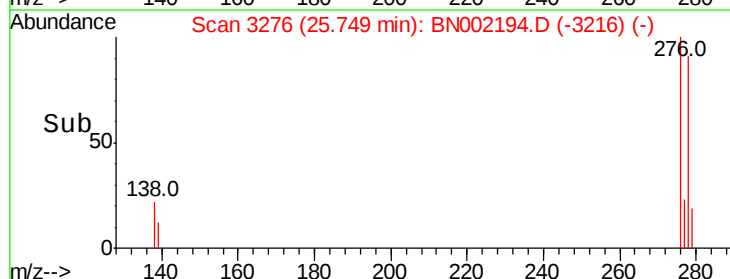
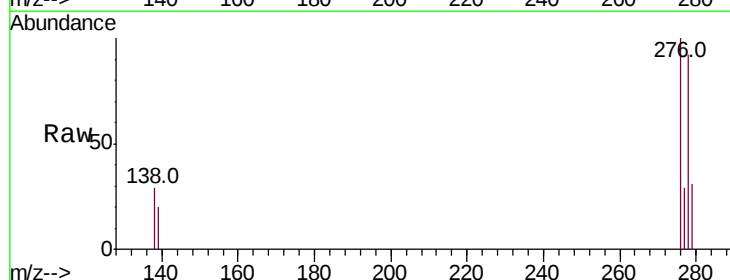
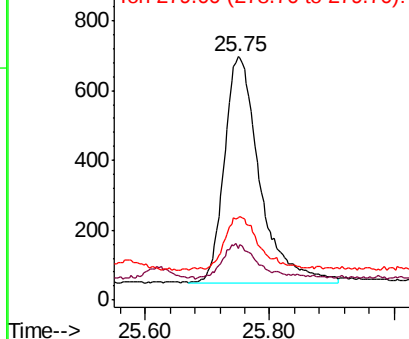
Delta R.T. 0.01 min

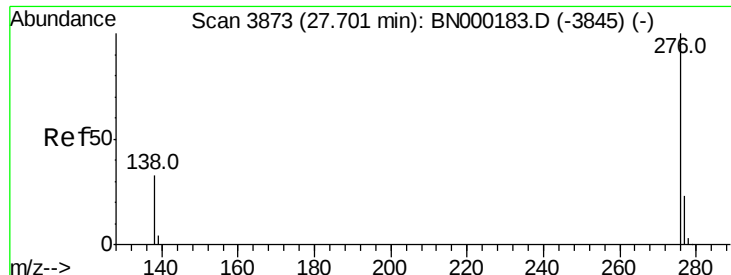
Lab File: BN002194.D

Acq: 30 Jul 2018 20:11

Tgt Ion:	278	Resp:	2563
Ion Ratio	Lower	Upper	
278	100		
139	21.4	16.0	24.0
279	33.6	20.0	30.0#

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: 0.097 ng

RT: 26.41 min Scan# 3470

Delta R.T. 0.01 min

Lab File: BN002194.D

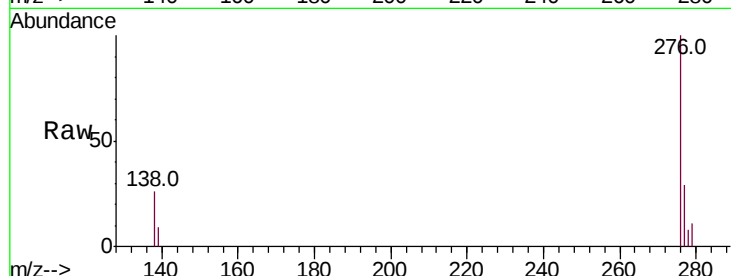
Acq: 30 Jul 2018 20:11

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2018



Tot Ion: 276 Resp: 2730

Ion Ratio Lower Upper

276 100

277 28.8 16.0 24.0#

138 25.8 20.0 30.0

Manual Integrations
APPROVED

Sohil

7/31/2018 3:37:15 PM

