

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111220\
 Data File : BN012563.D
 Acq On : 12 Nov 2020 14:28
 Operator : CG/JU
 Sample : L4485-05
 Misc : SOILMDL05
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 MDL-SOIL-05

Manual Integrations
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 11/16/2020 11:49:20 AM

Quant Time: Nov 12 14:57:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN111020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 12 12:44:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	586	0.40	ng/ul	0.00
4) Naphthalene-d8	10.24	136	2241	0.40	ng/ul	0.01
9) Acenaphthene-d10	14.12	164	1258	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.87	188	2438	0.40	ng/ul	0.00
19) Chrysene-d12	21.08	240	2191	0.40	ng/ul	0.00
23) Perylene-d12	23.19	264	2452	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.01	96	496	0.63	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.86	152	941	0.30	ng/ul	0.03
17) Fluoranthene-d10	18.91	212	2049	0.34	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.05	88	92	0.115	ng/ul#	79
5) Naphthalene	10.29	128	460	0.073	ng/ul#	55
7) 2-Methylnaphthalene	11.93	142	308	0.076	ng/ul	93
8) 1-Methylnaphthalene	12.14	142	289	0.074	ng/ul	96
10) Acenaphthylene	13.84	152	405	0.073	ng/ul#	67
11) Acenaphthene	14.18	153	346	0.073	ng/ul#	92
12) Fluorene	15.19	166	373	0.070	ng/ul#	92
14) Pentachlorophenol	16.54	266	46	0.069	ng/ul#	88
15) Phenanthrene	16.92	178	584	0.072	ng/ul#	71
16) Anthracene	17.02	178	483	0.073	ng/ul#	60
18) Fluoranthene	18.94	202	786	0.088	ng/ul#	77
20) Pyrene	19.30	202	830	0.080	ng/ul#	81
21) Benzo(a)anthracene	21.06	228	621	0.078	ng/ul#	86
22) Chrysene	21.11	228	859	0.089	ng/ul#	90
24) Benzo(b)fluoranthene	22.57	252	849m	0.081	ng/ul	
25) Benzo(k)fluoranthene	22.61	252	1002	0.083	ng/ul#	52
26) Benzo(a)pyrene	23.10	252	838	0.085	ng/ul#	25
27) Indeno(1,2,3-cd)pyrene	25.28	276	1040	0.080	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.30	278	831	0.080	ng/ul#	35
29) Benzo(a,h,i)perylene	25.92	276	997	0.083	ng/ul#	80

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

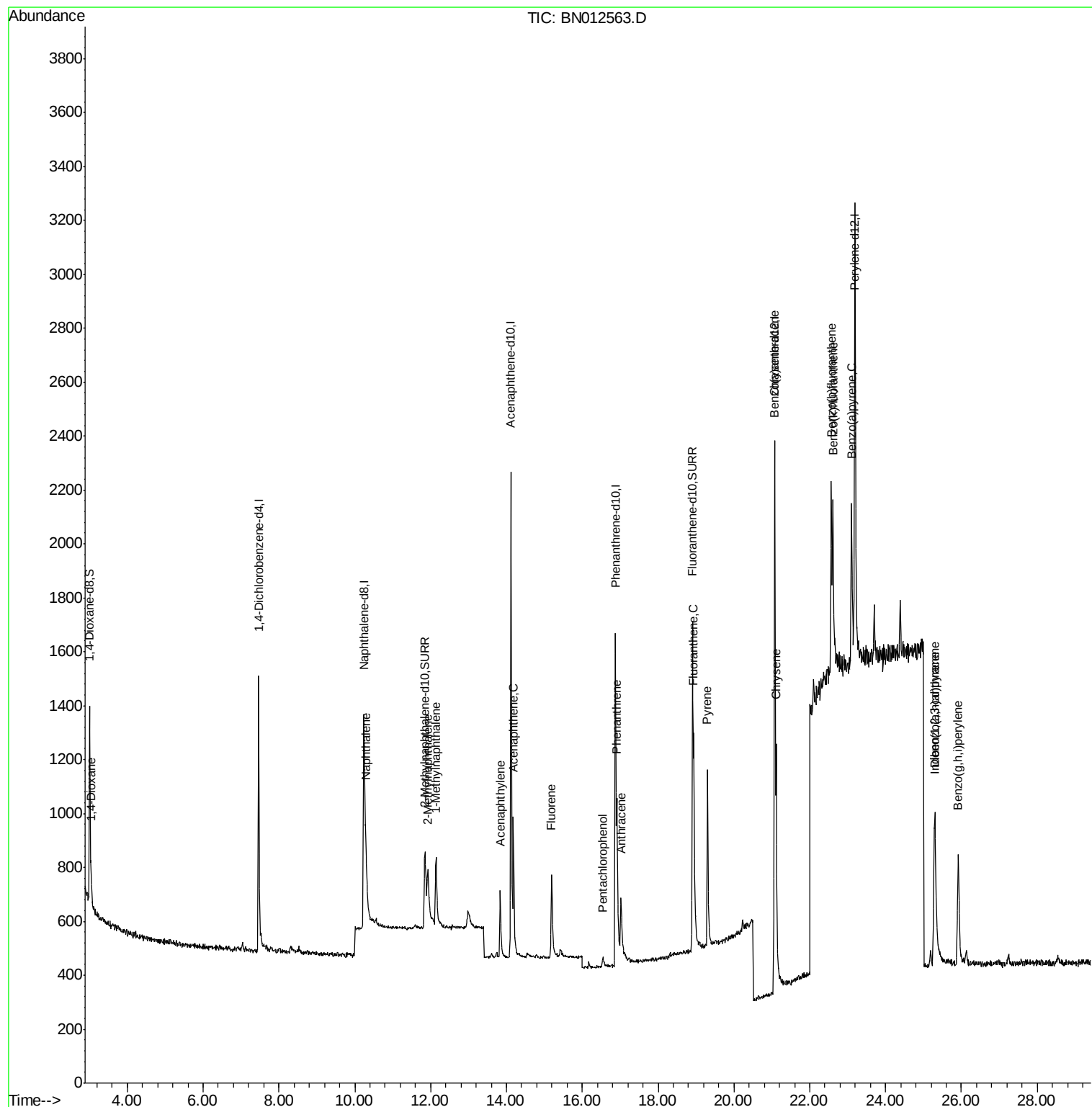
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111220\
Data File : BN012563.D
Acq On : 12 Nov 2020 14:28
Operator : CG/JU
Sample : L4485-05
Misc : SOILMDL05
ALS Vial : 6 Sample Multiplier: 1

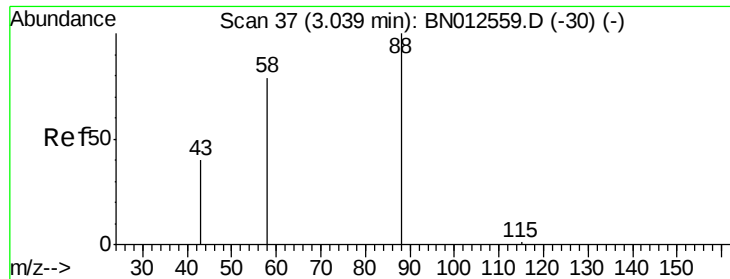
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

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Quant Time: Nov 12 14:57:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN111020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 12 12:44:03 2020
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 0.115 ng/ul

RT: 3.05 min Scan# 40

Delta R.T. 0.01 min

Lab File: BN012563.D

Acq: 12 Nov 2020 14:28

Instrument :

BNA_N

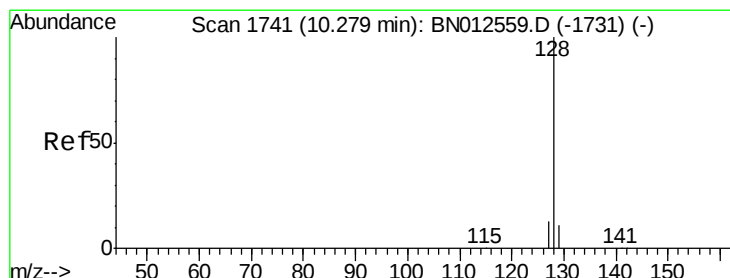
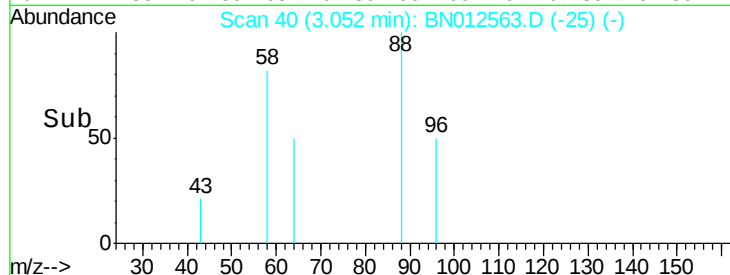
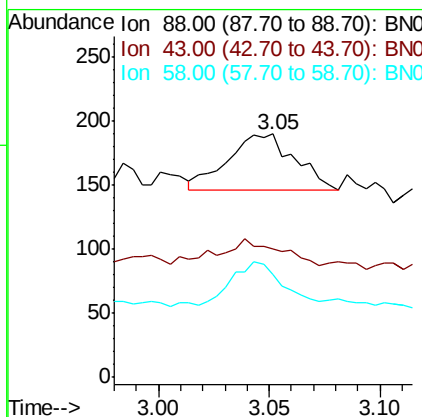
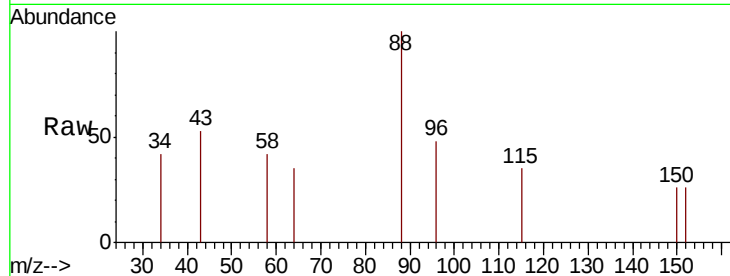
ClientSampleId :

MDL-SOIL-05

Tot Ion:	88	Resp:	92
Ion	Ratio	Lower	Upper
88	100		
43	52.6	42.7	64.1
58	42.1	57.3	85.9#

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#5

Naphthalene

Concen: 0.073 ng/ul

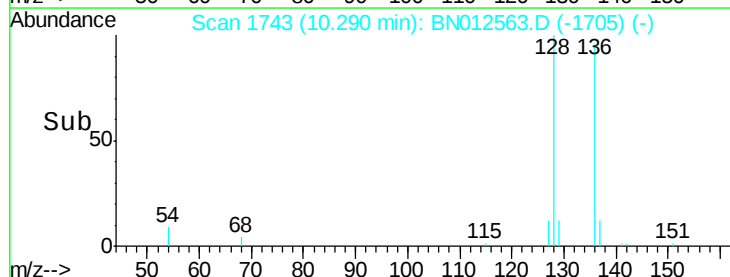
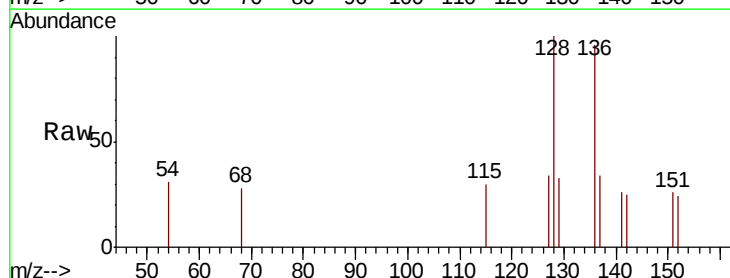
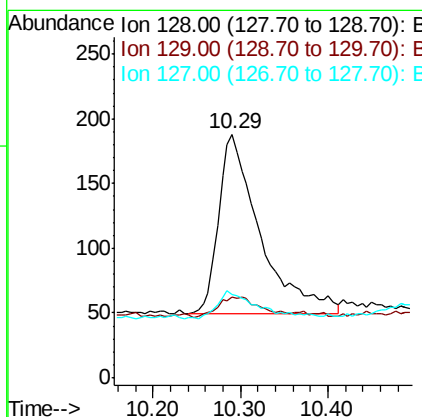
RT: 10.29 min Scan# 1743

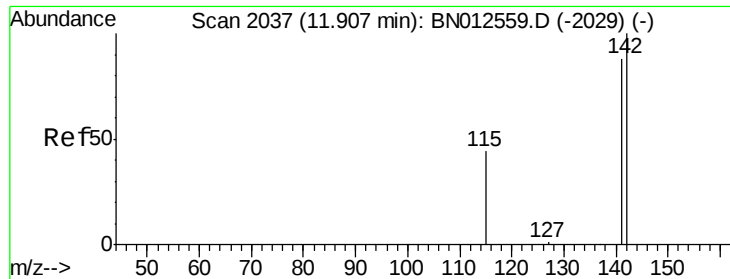
Delta R.T. 0.01 min

Lab File: BN012563.D

Acq: 12 Nov 2020 14:28

Tgt Ion:	128	Resp:	460
Ion	Ratio	Lower	Upper
128	100		
129	33.0	11.1	16.7#
127	34.0	12.6	18.8#





#7

2-Methylnaphthalene

Concen: 0.076 ng/ul

RT: 11.93 min Scan# 2042

Delta R.T. 0.03 min

Lab File: BN012563.D

Acq: 12 Nov 2020 14:28

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

Tot Ion:142 Resp: 308

Ion Ratio Lower Upper

142 100

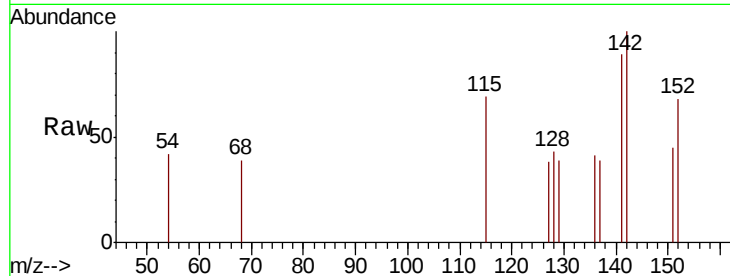
141 83.8 72.1 108.1

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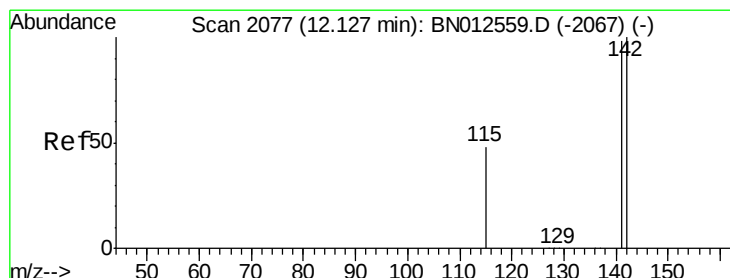
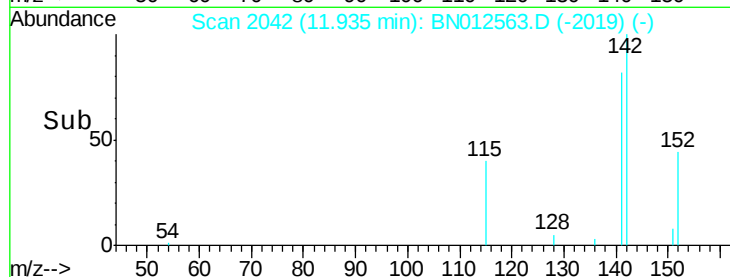
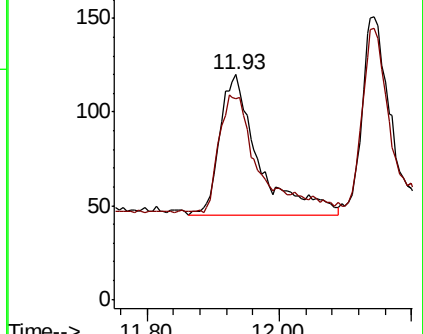
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.074 ng/ul

RT: 12.14 min Scan# 2080

Delta R.T. 0.02 min

Lab File: BN012563.D

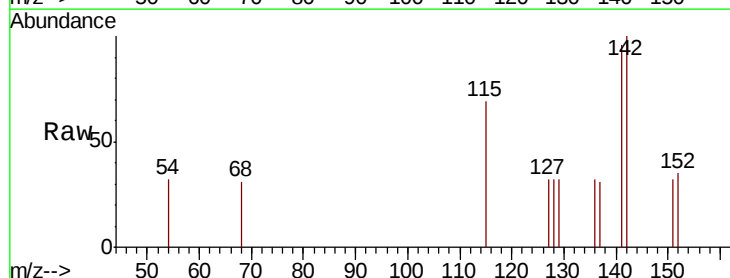
Acq: 12 Nov 2020 14:28

Tgt Ion:142 Resp: 289

Ion Ratio Lower Upper

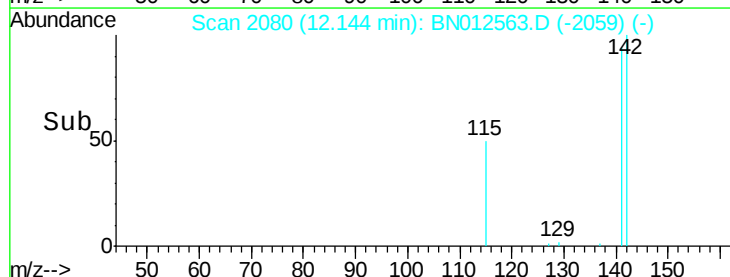
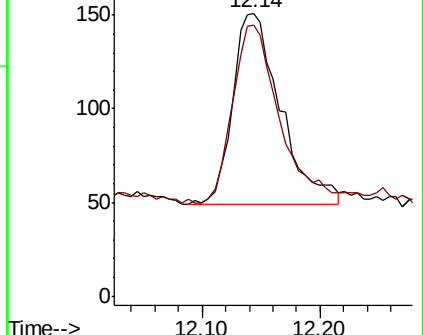
142 100

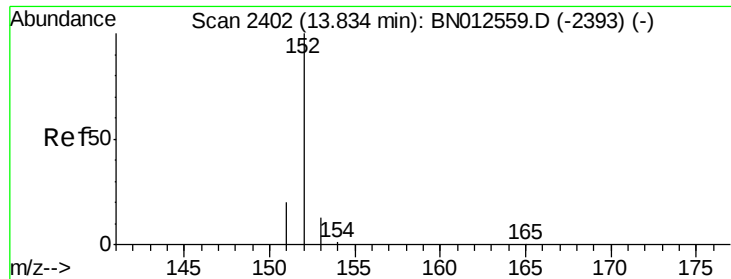
141 90.3 75.3 112.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.073 ng/ul

RT: 13.84 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BN012563.D

Acq: 12 Nov 2020 14:28

Instrument :

BNA_N

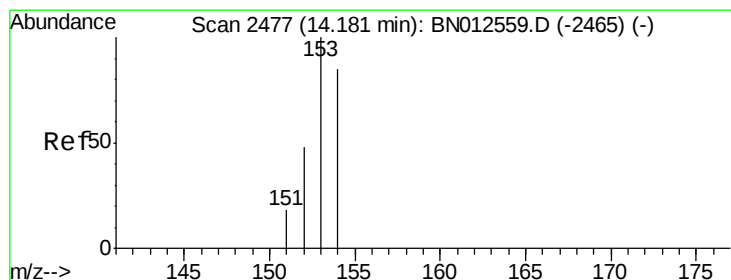
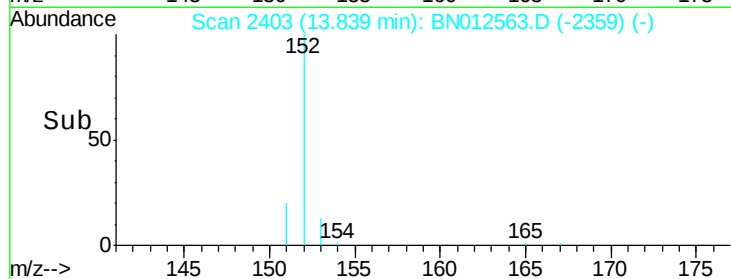
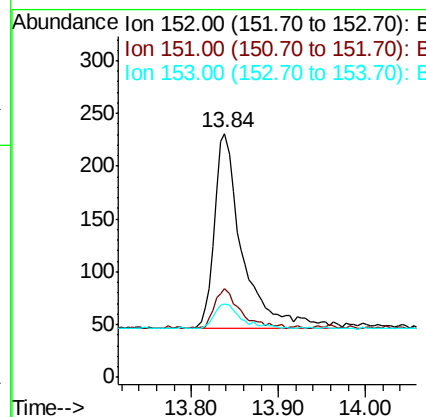
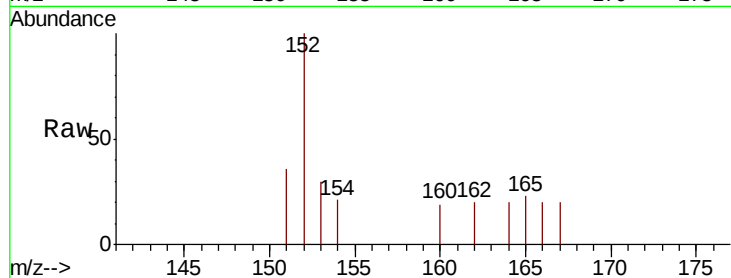
ClientSampleId :

MDL-SOIL-05

Tot Ion:	152	Resp:	405
Ion Ratio	Lower	Upper	
152	100		
151	36.4	17.0	25.4#
153	30.3	12.5	18.7#

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#11

Acenaphthene

Concen: 0.073 ng/ul

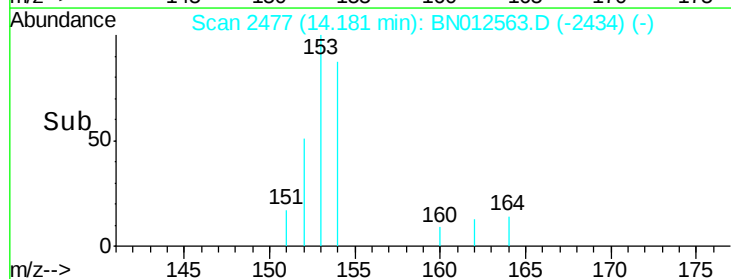
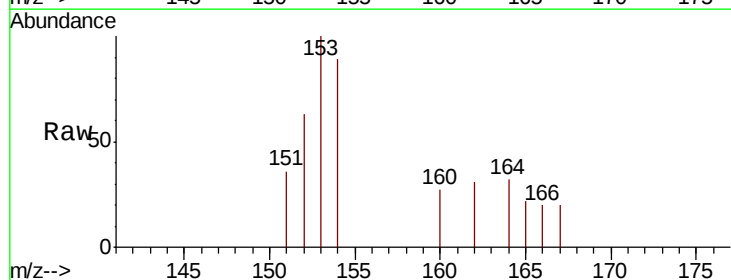
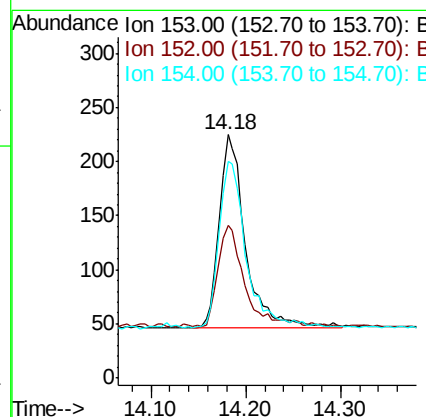
RT: 14.18 min Scan# 2477

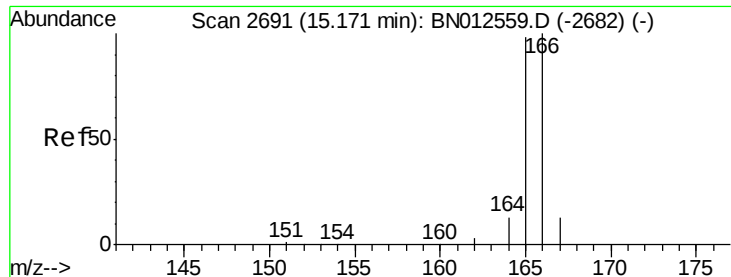
Delta R.T. 0.00 min

Lab File: BN012563.D

Acq: 12 Nov 2020 14:28

Tgt Ion:	153	Resp:	346
Ion Ratio	Lower	Upper	
153	100		
152	62.7	39.9	59.9#
154	88.9	69.9	104.9





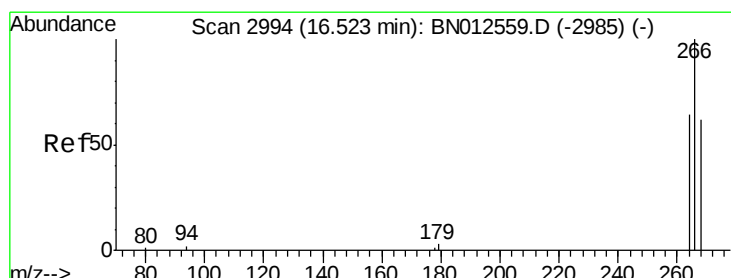
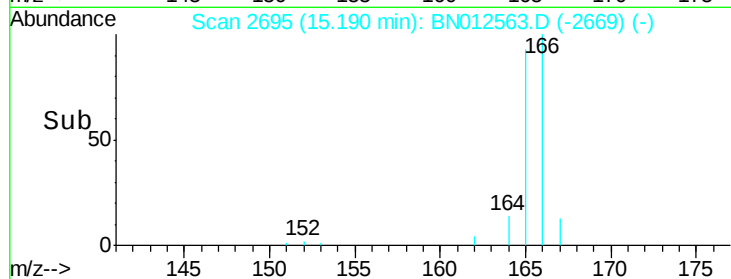
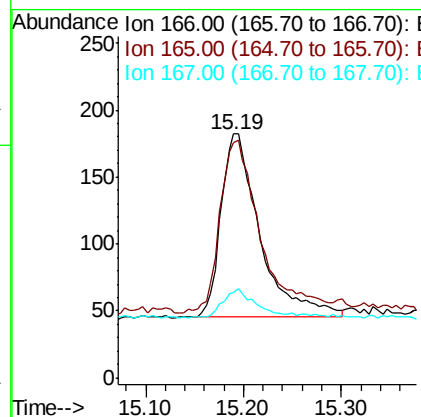
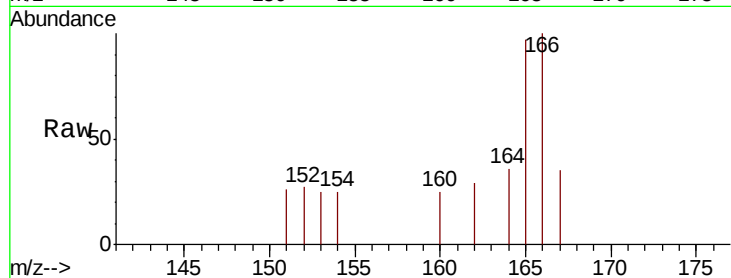
#12
Fluorene
 Concen: 0.070 ng/ul
 RT: 15.19 min Scan# 2695
 Delta R.T. 0.02 min
 Lab File: BN012563.D
 Acq: 12 Nov 2020 14:28

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.7	78.6	117.8
167	35.2	12.6	19.0

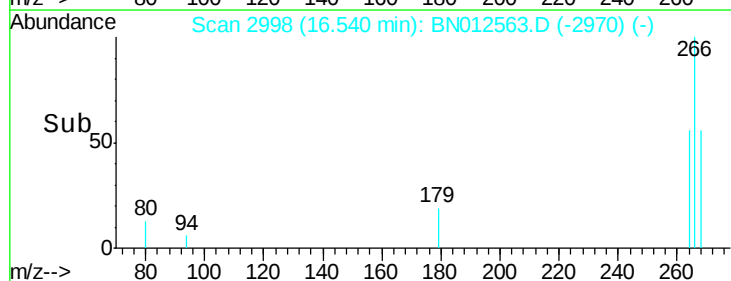
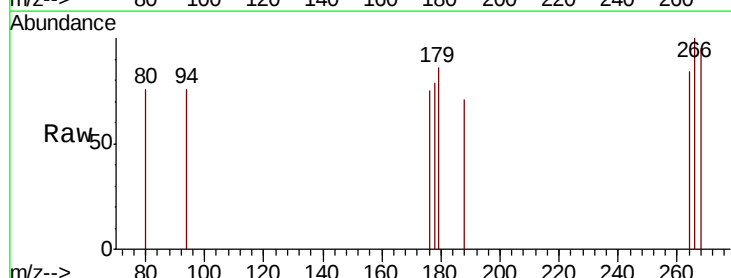
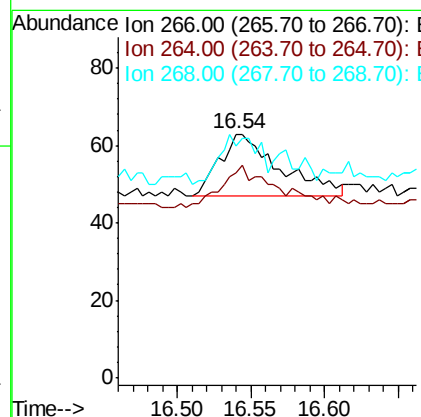
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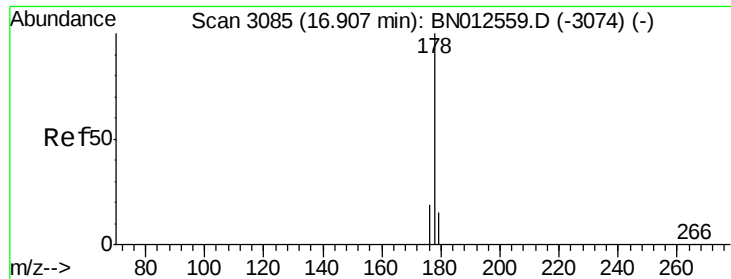
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#14
Pentachlorophenol
 Concen: 0.069 ng/ul
 RT: 16.54 min Scan# 2998
 Delta R.T. 0.02 min
 Lab File: BN012563.D
 Acq: 12 Nov 2020 14:28

Tgt Ion	Ratio	Lower	Upper
266	100		
264	60.9	48.6	73.0
268	50.0	55.2	82.8





#15

Phenanthrene

Concen: 0.072 ng/ul

RT: 16.92 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BN012563.D

Acq: 12 Nov 2020 14:28

Instrument :

BNA_N

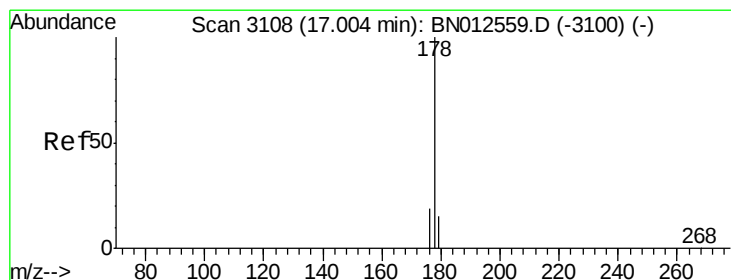
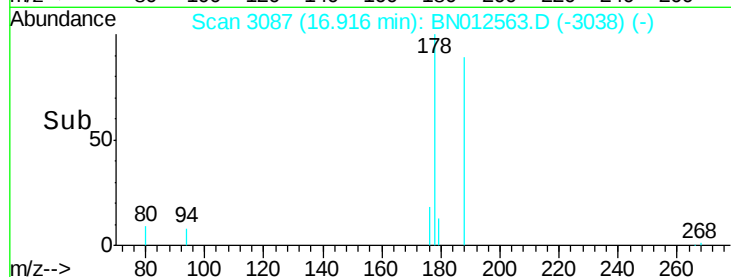
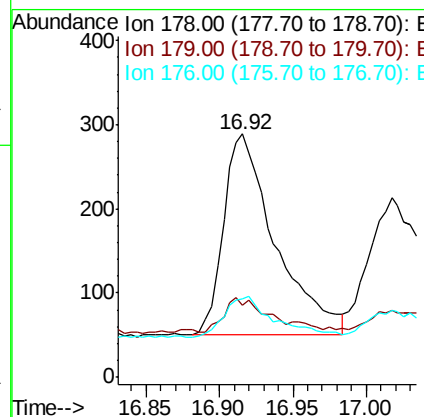
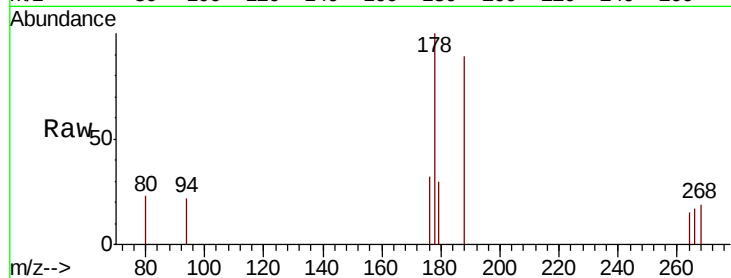
ClientSampleId :

MDL-SOIL-05

Tot Ion:178	Resp:	584
Ion Ratio	Lower	Upper
178	100	
179	29.8	13.0 19.6#
176	32.2	15.8 23.8#

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#16

Anthracene

Concen: 0.073 ng/ul

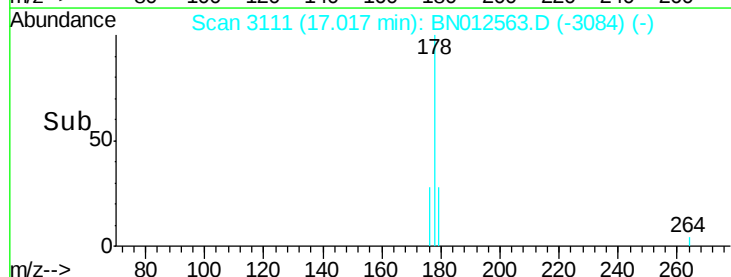
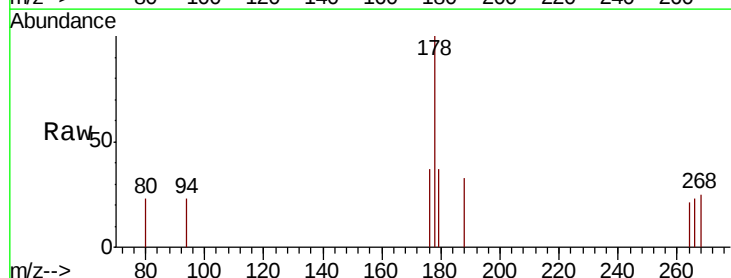
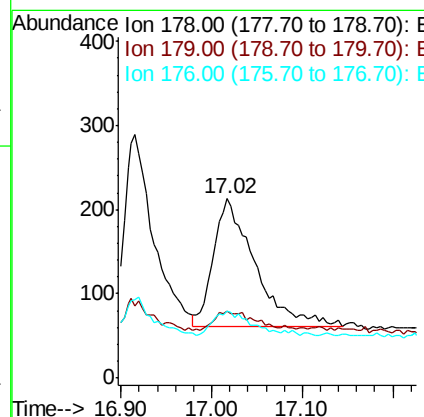
RT: 17.02 min Scan# 3111

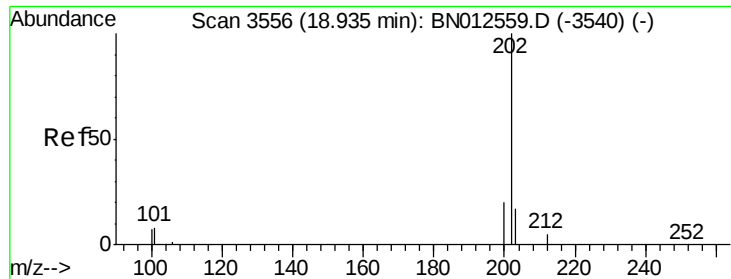
Delta R.T. 0.01 min

Lab File: BN012563.D

Acq: 12 Nov 2020 14:28

Tgt Ion:178	Resp:	483
Ion Ratio	Lower	Upper
178	100	
179	37.1	14.2 21.4#
176	37.1	15.9 23.9#





#18

Fluoranthene

Concen: 0.088 ng/ul

RT: 18.94 min Scan# 3557

Delta R.T. 0.00 min

Lab File: BN012563.D

Acq: 12 Nov 2020 14:28

Instrument :

BNA_N

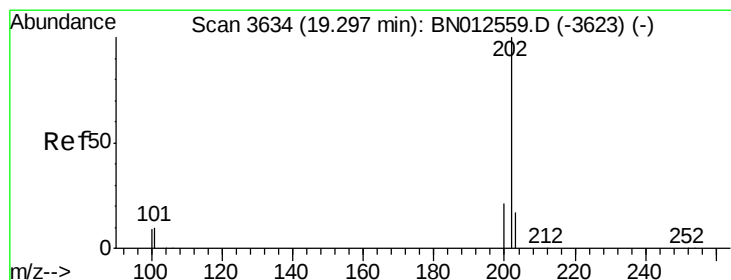
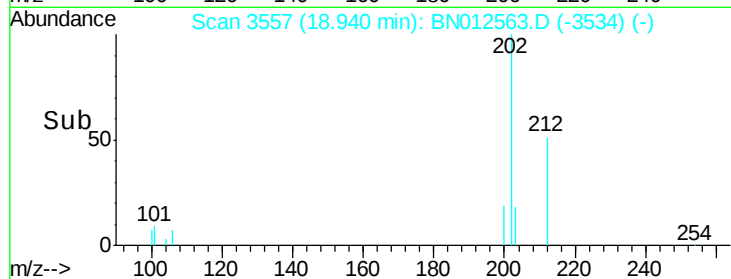
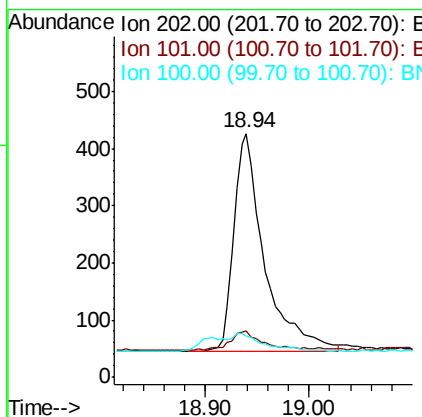
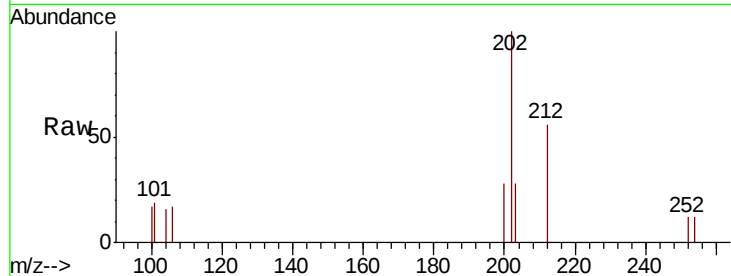
ClientSampled :

MDL-SOIL-05

Tot Ion:	202	Resp:	786
Ion Ratio	Lower	Upper	
202	100		
101	18.8	8.2	12.2#
100	17.1	6.9	10.3#

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#20

Pyrene

Concen: 0.080 ng/ul

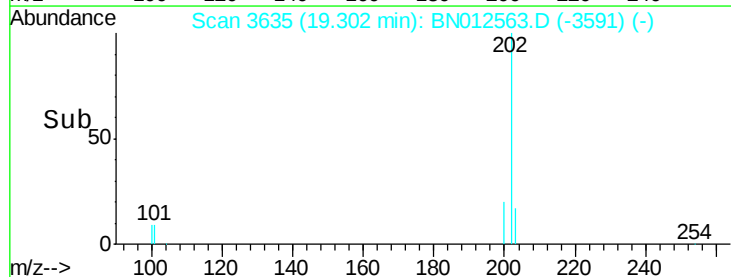
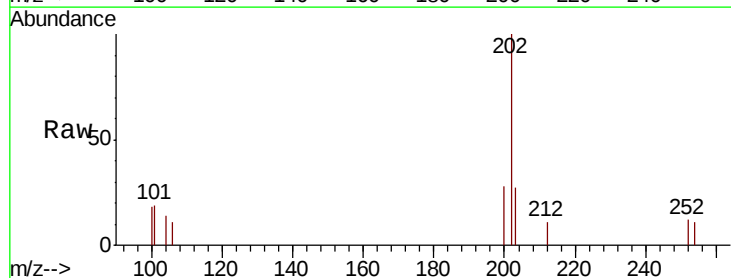
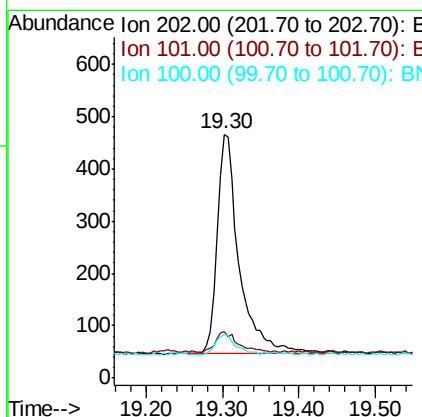
RT: 19.30 min Scan# 3635

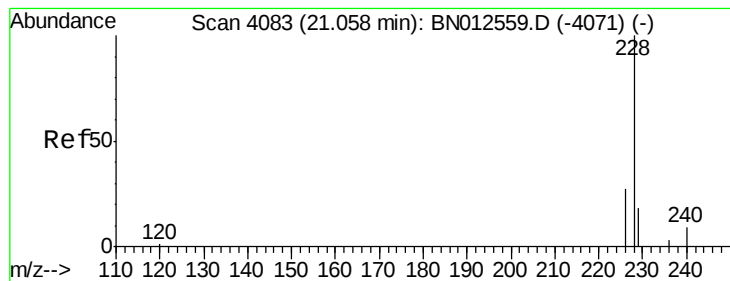
Delta R.T. 0.00 min

Lab File: BN012563.D

Acq: 12 Nov 2020 14:28

Tgt Ion:	202	Resp:	830
Ion Ratio	Lower	Upper	
202	100		
101	19.3	9.4	14.2#
100	17.8	8.6	12.8#





#21

Benzo(a)anthracene

Concen: 0.078 ng/ul

RT: 21.06 min Scan# 4085

Delta R.T. 0.01 min

Lab File: BN012563.D

Acq: 12 Nov 2020 14:28

Instrument :

BNA_N

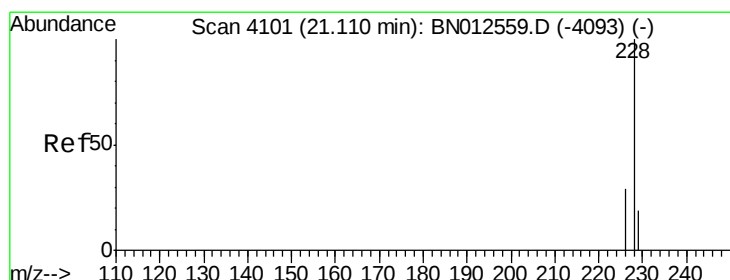
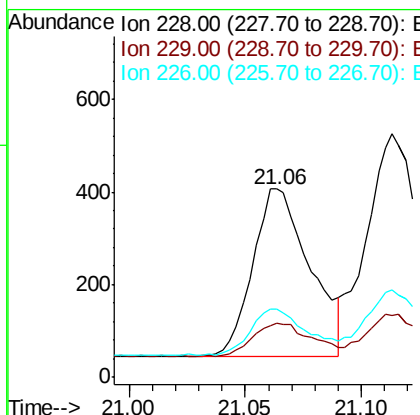
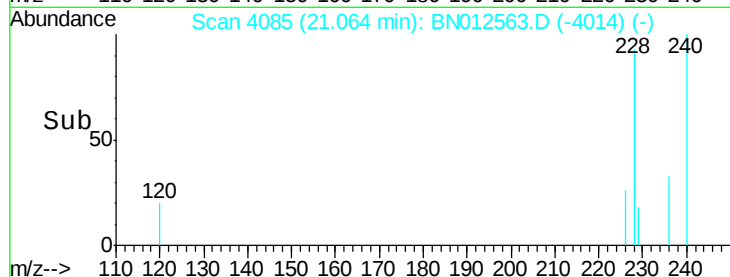
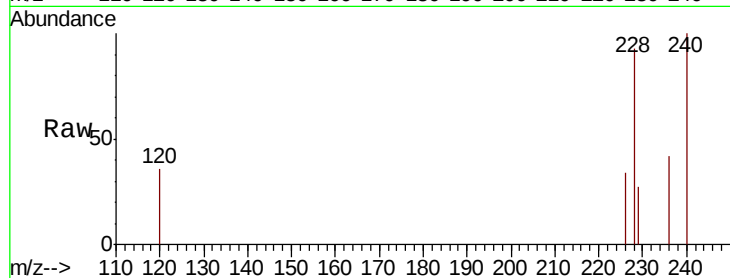
ClientSampleId :

MDL-SOIL-05

Tot Ion:228	Resp:	621
Ion Ratio	Lower	Upper
228	100	
229	28.5	16.6 25.0#
226	36.4	23.5 35.3#

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#22

Chrysene

Concen: 0.089 ng/ul

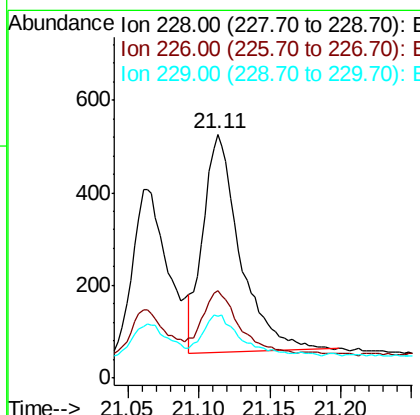
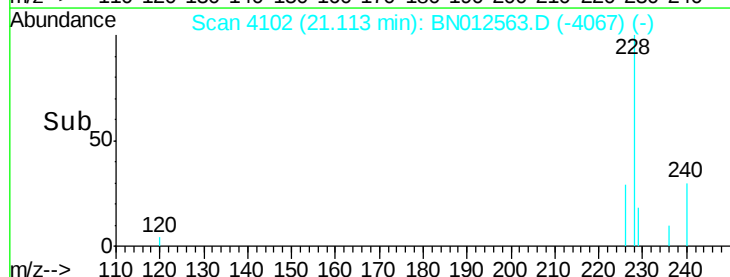
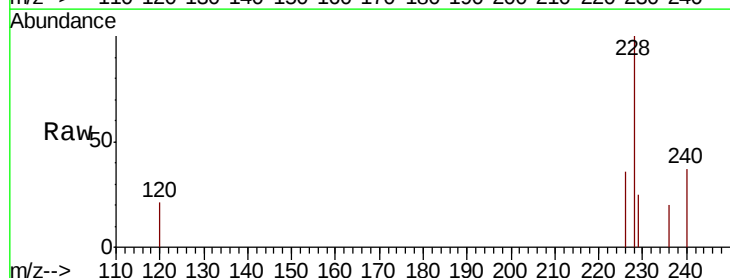
RT: 21.11 min Scan# 4102

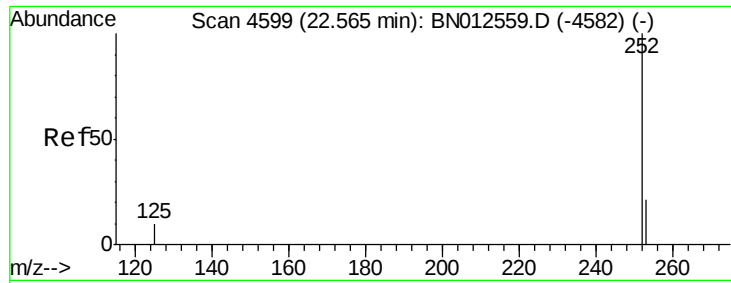
Delta R.T. 0.00 min

Lab File: BN012563.D

Acq: 12 Nov 2020 14:28

Tgt Ion:228	Resp:	859
Ion Ratio	Lower	Upper
228	100	
226	35.7	23.9 35.9
229	25.3	16.6 24.8#





#24

Benzo(b)fluoranthene

Concen: 0.081 ng/ul

RT: 22.57 min Scan# 4601

Delta R.T. 0.01 min

Lab File: BN012563.D

Acq: 12 Nov 2020 14:28

Instrument :

BNA_N

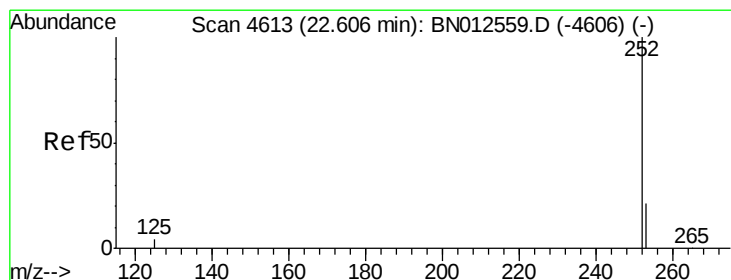
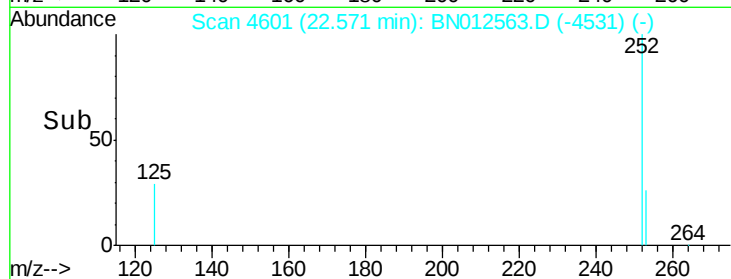
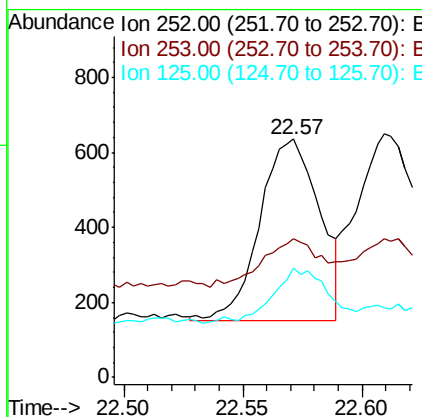
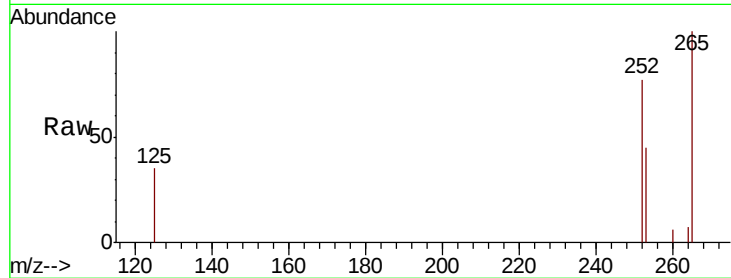
ClientSampleId :

MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
252	100		
253	58.3	0.0	59.2
125	45.8	0.0	30.2

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#25

Benzo(k)fluoranthene

Concen: 0.083 ng/ul

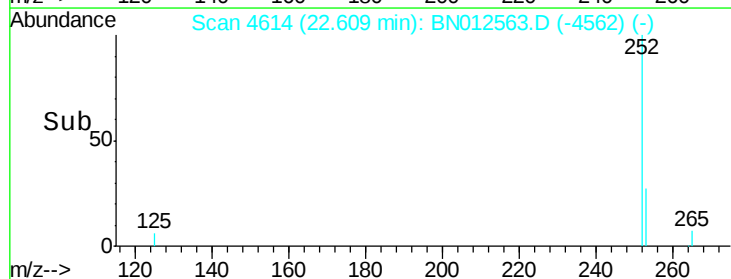
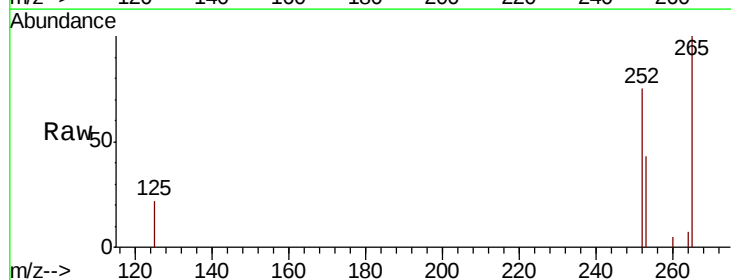
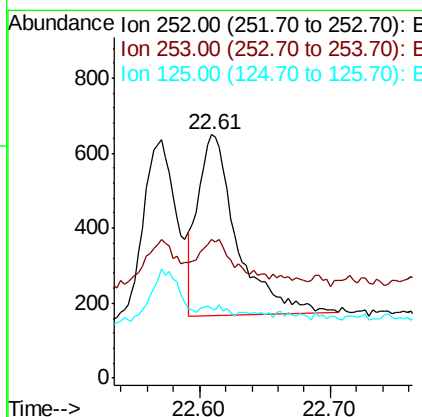
RT: 22.61 min Scan# 4614

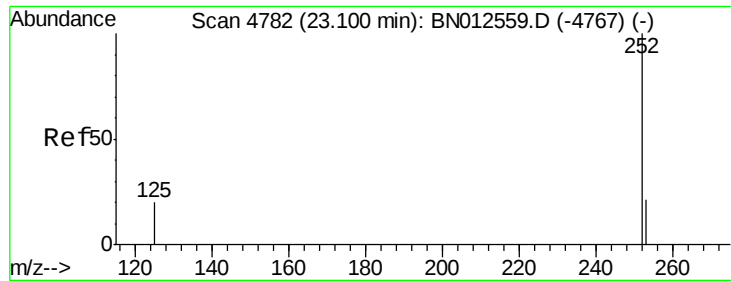
Delta R.T. 0.00 min

Lab File: BN012563.D

Acq: 12 Nov 2020 14:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	56.9	23.3	34.9
125	28.7	10.6	15.8





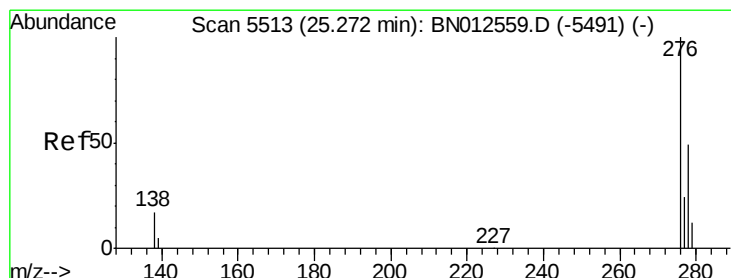
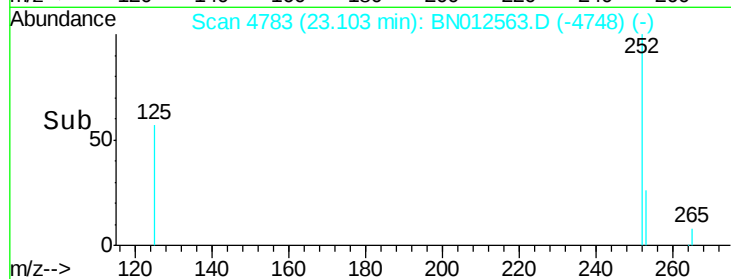
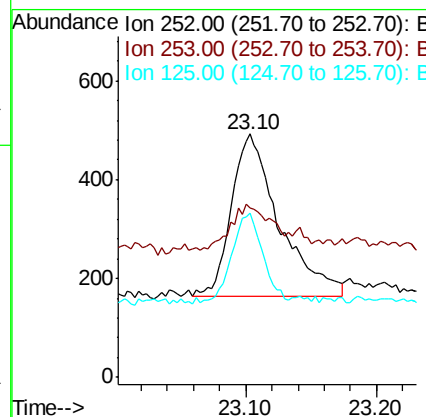
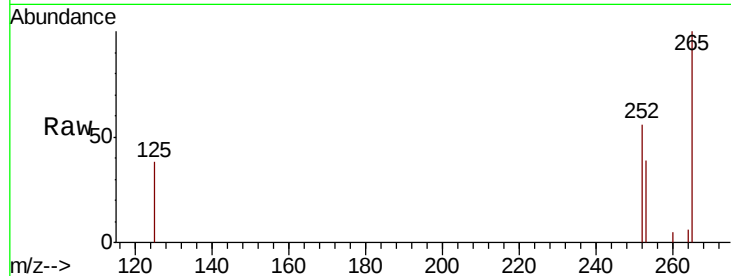
#26
Benzo(a)pyrene
Concen: 0.085 ng/u1
RT: 23.10 min Scan# 4783
Delta R.T. 0.00 min
Lab File: BN012563.D
Acq: 12 Nov 2020 14:28

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
252	100		
253	69.8	27.4	41.0#
125	67.3	17.7	26.5#

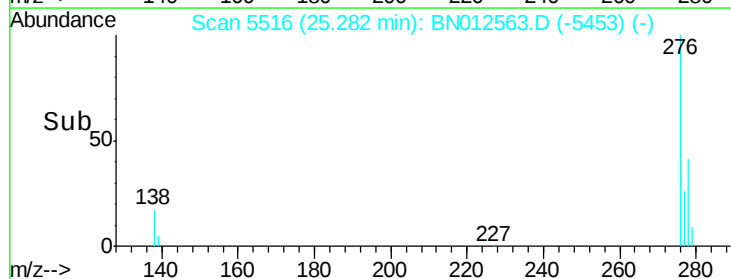
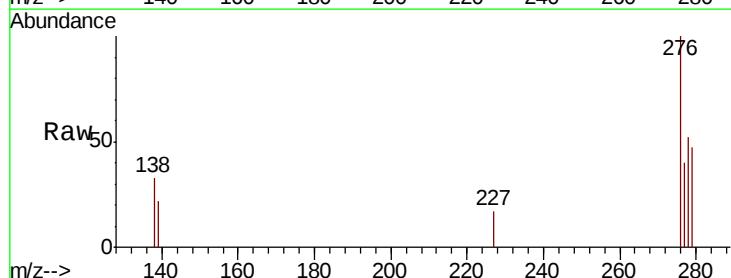
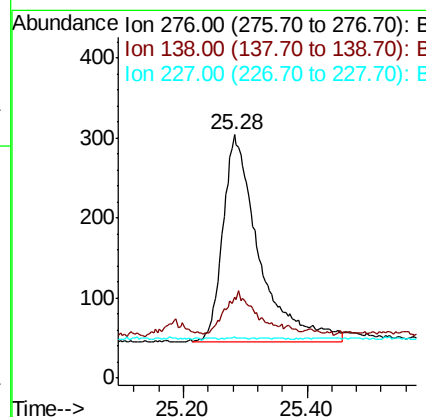
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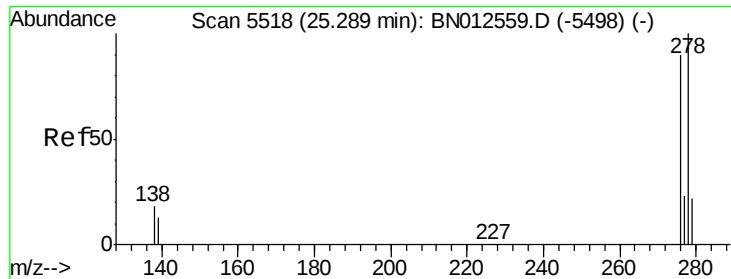
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#27
Indeno(1,2,3-cd)pyrene
Concen: 0.080 ng/u1
RT: 25.28 min Scan# 5516
Delta R.T. 0.01 min
Lab File: BN012563.D
Acq: 12 Nov 2020 14:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	16.3	24.5
227	0.2	0.1	0.1#





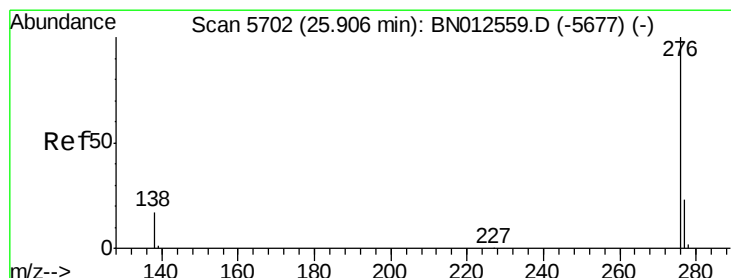
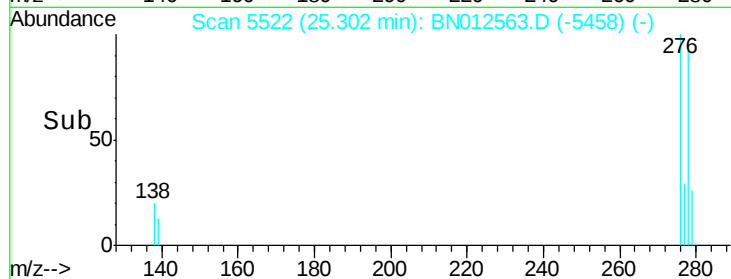
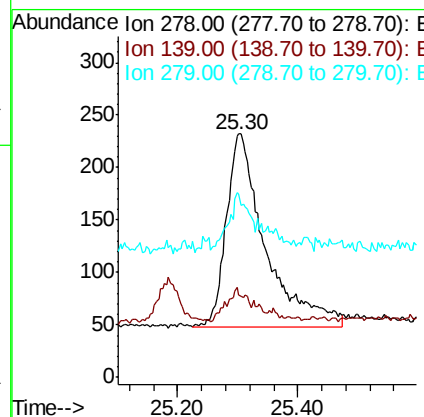
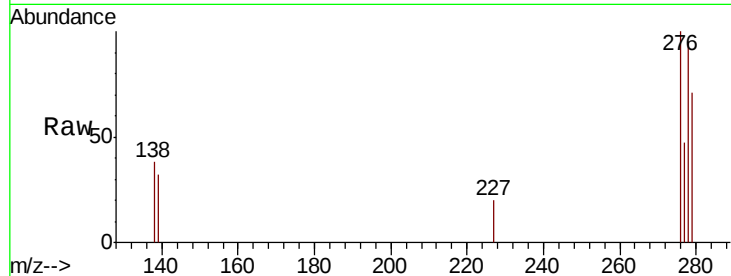
#28
Dibenzo(a,h)anthracene
Concen: 0.080 ng/u1
RT: 25.30 min Scan# 5522
Delta R.T. 0.01 min
Lab File: BN012563.D
Acq: 12 Nov 2020 14:28

Instrument :
BNA_N
ClientSampled :
MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
278	100		
139	34.1	13.4	20.2#
279	75.4	25.8	38.6#

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#29
Benzo(g,h,i)perylene
Concen: 0.083 ng/u1
RT: 25.92 min Scan# 5705
Delta R.T. 0.01 min
Lab File: BN012563.D
Acq: 12 Nov 2020 14:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.6	17.1	25.7#
277	38.1	21.4	32.0#

