

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031521\
 Data File : BN013944.D
 Acq On : 15 Mar 2021 17:04
 Operator : CG/JU
 Sample : M1344-03
 Misc : SFAMSIM-MDL-S-01
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT2-2021-03

Manual Integrations
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mohammad
 3/16/2021 11:16:49 AM

Quant Time: Mar 15 17:33:58 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN031221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 12 13:33:49 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	4419	0.40	ng/ul	0.00
4) Naphthalene-d8	10.49	136	14656	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.35	164	7157	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.10	188	15074	0.40	ng/ul	0.00
17) Chrysene-d12	21.27	240	11818	0.40	ng/ul	0.00
23) Perylene-d12	23.50	264	10263	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	2537	0.54	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.09	152	6120	0.29	ng/ul	0.00
18) Fluoranthene-d10	19.12	212	11265	0.32	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.25	88	288	0.058	ng/ul#	66
5) Naphthalene	10.54	128	3007	0.070	ng/ul	97
7) 2-Methylnaphthalene	12.16	142	1917	0.069	ng/ul	98
8) 1-Methylnaphthalene	12.38	142	1831	0.068	ng/ul	99
10) Acenaphthylene	14.07	152	2096	0.065	ng/ul	96
11) Acenaphthene	14.41	153	1866	0.070	ng/ul	99
12) Fluorene	15.40	166	2043	0.068	ng/ul	98
14) Pentachlorophenol	16.74	266	174	0.068	ng/ul	95
15) Phenanthrene	17.14	178	3460	0.069	ng/ul	95
16) Anthracene	17.23	178	2711	0.065	ng/ul	94
19) Fluoranthene	19.15	202	3620	0.076	ng/ul	96
20) Pyrene	19.52	202	3648	0.074	ng/ul	96
21) Benzo(a)anthracene	21.26	228	2728	0.065	ng/ul	94
22) Chrysene	21.31	228	3412	0.073	ng/ul	99
24) Benzo(b)fluoranthene	22.83	252	3403m	0.071	ng/ul	
25) Benzo(k)fluoranthene	22.88	252	3415	0.070	ng/ul#	77
26) Benzo(a)pyrene	23.40	252	2680	0.069	ng/ul#	50
27) Indeno(1,2,3-cd)pyrene	25.73	276	3582	0.069	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.75	278	2819	0.068	ng/ul#	84
29) Benzo(a,h,i)perylene	26.42	276	3295	0.072	ng/ul	93

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

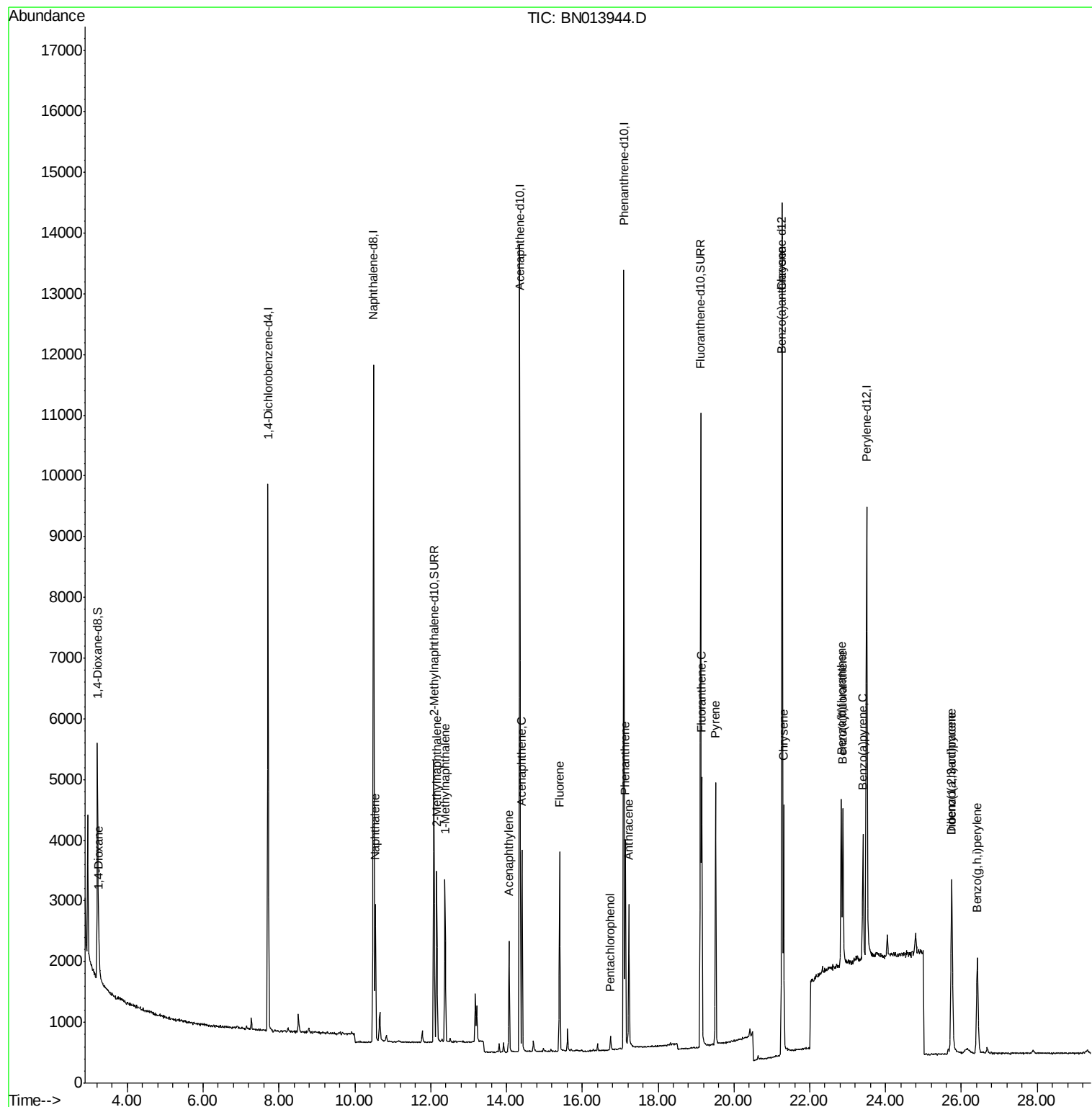
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031521\
Data File : BN013944.D
Acq On : 15 Mar 2021 17:04
Operator : CG/JU
Sample : M1344-03
Misc : SFAMSIM-MDL-S-01
ALS Vial : 8 Sample Multiplier: 1

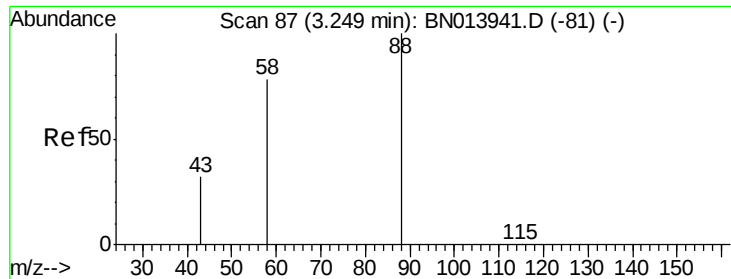
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2021-03

Manual Integrations
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Quant Time: Mar 15 17:33:58 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN031221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 12 13:33:49 2021
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 0.058 ng/ul

RT: 3.25 min Scan# 88

Delta R.T. 0.00 min

Lab File: BN013944.D

Acq: 15 Mar 2021 17:04

Instrument :

BNA_N

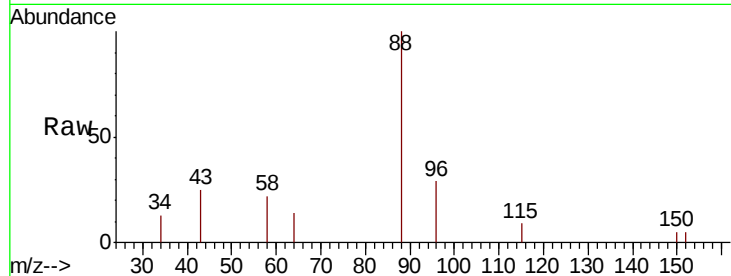
ClientSampleId :

MDL-SOIL-QT2-2021-03

Tot Ion:	88	Resp:	288
Ion Ratio	Lower	Upper	
88	100		
43	24.7	28.5	42.7#
58	21.7	42.5	63.7#

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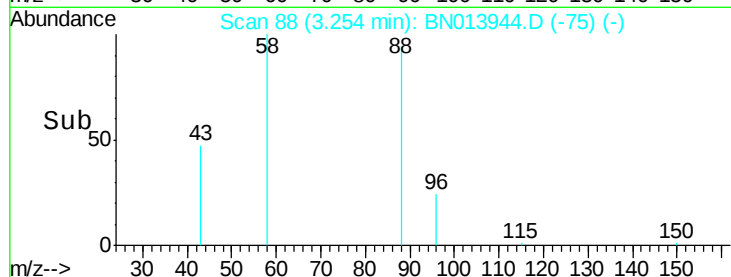


Abundance Ion 88.00 (87.70 to 88.70): BN013941.D (-81) (-)

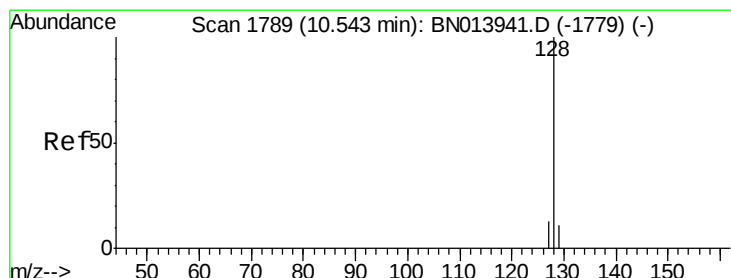
Ion 43.00 (42.70 to 43.70): BN013941.D (-81) (-)

Ion 58.00 (57.70 to 58.70): BN013941.D (-81) (-)

Time-->



Time-->



#5

Naphthalene

Concen: 0.070 ng/ul

RT: 10.54 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BN013944.D

Acq: 15 Mar 2021 17:04

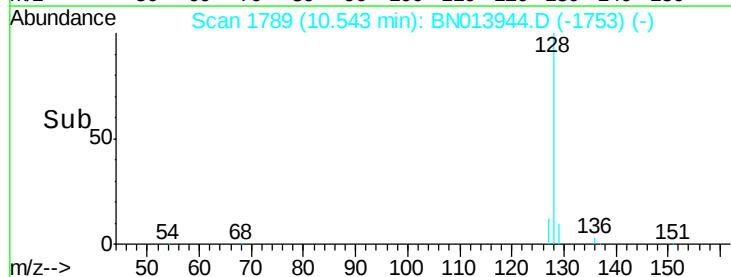
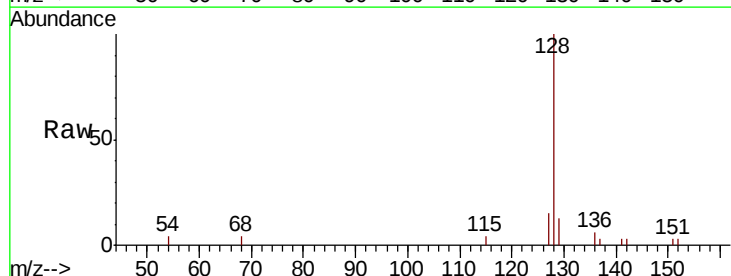
Tgt Ion:	128	Resp:	3007
Ion Ratio	Lower	Upper	
128	100		
129	12.9	9.2	13.8
127	14.6	10.7	16.1

Abundance Ion 128.00 (127.70 to 128.70): BN013941.D (-1779) (-)

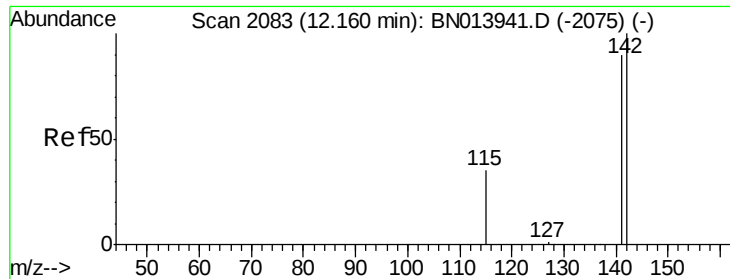
Ion 129.00 (128.70 to 129.70): BN013941.D (-1779) (-)

Ion 127.00 (126.70 to 127.70): BN013941.D (-1779) (-)

Time-->



Time-->



#7

2-Methylnaphthalene

Concen: 0.069 ng/ul

RT: 12.16 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BN013944.D

Acq: 15 Mar 2021 17:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT2-2021-03

Tot Ion:142 Resp: 1917

Ion Ratio Lower Upper

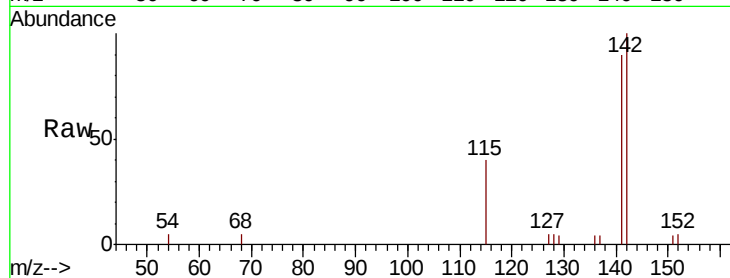
142 100

141 90.6 71.2 106.8

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.16

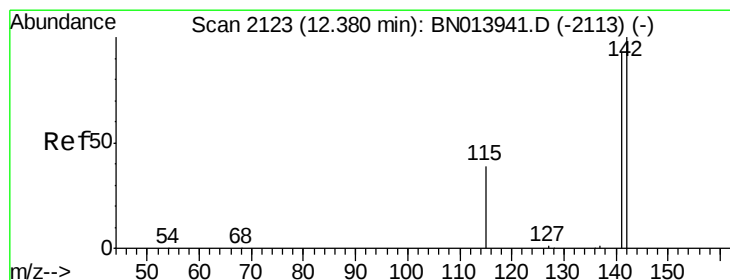
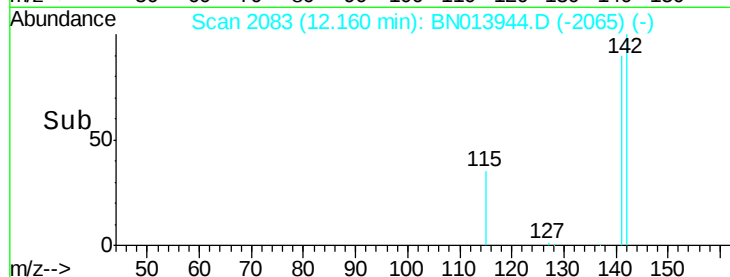
1500

1000

500

0

Time-->



#8

1-Methylnaphthalene

Concen: 0.068 ng/ul

RT: 12.38 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BN013944.D

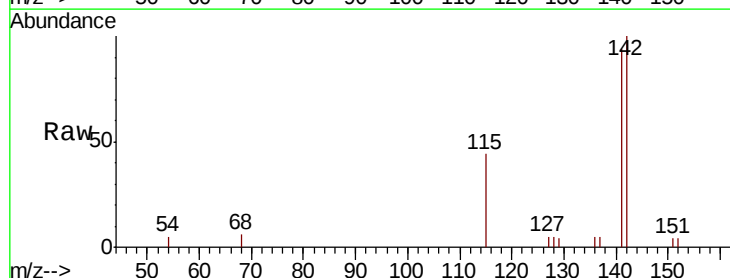
Acq: 15 Mar 2021 17:04

Tgt Ion:142 Resp: 1831

Ion Ratio Lower Upper

142 100

141 91.3 73.5 110.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

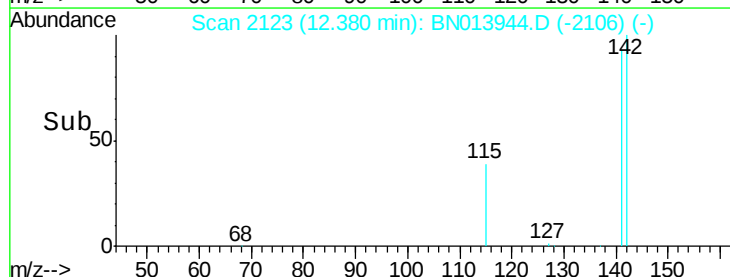
12.38

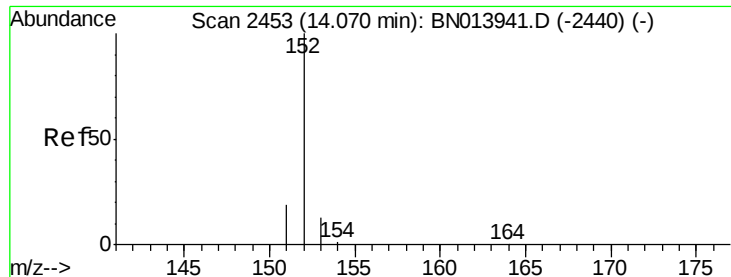
1000

500

0

Time-->





#10

Acenaphthylene

Concen: 0.065 ng/ul

RT: 14.07 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BN013944.D

Acq: 15 Mar 2021 17:04

Instrument :

BNA_N

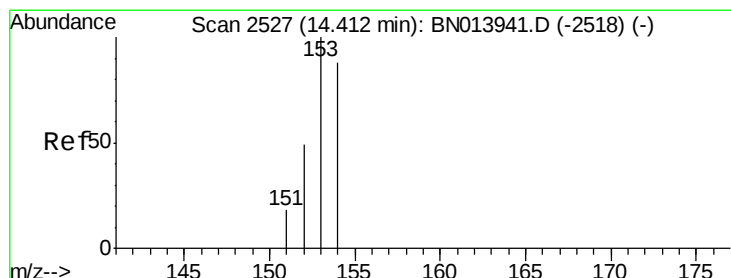
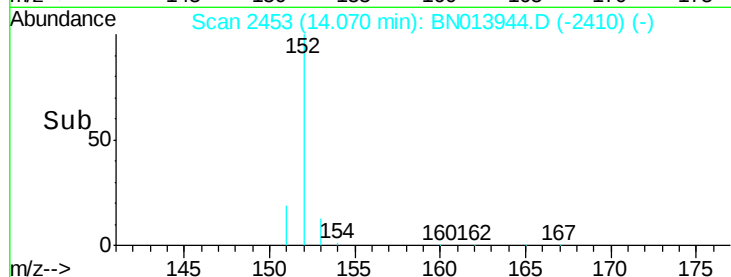
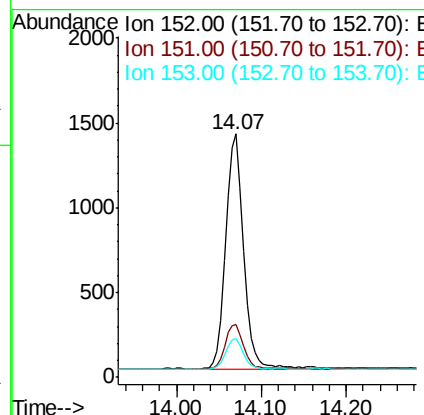
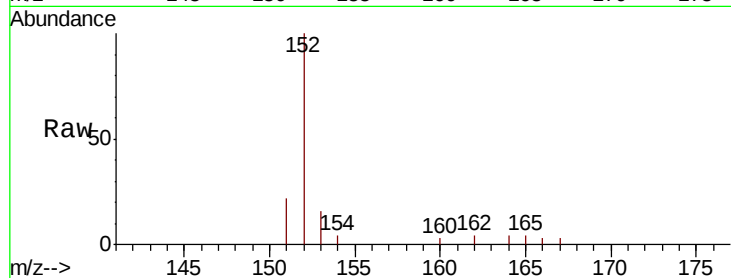
ClientSampleId :

MDL-SOIL-QT2-2021-03

Tot Ion:	152	Resp:	2096
Ion Ratio	Lower	Upper	
152	100		
151	21.5	15.9	23.9
153	15.7	10.9	16.3

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#11

Acenaphthene

Concen: 0.070 ng/ul

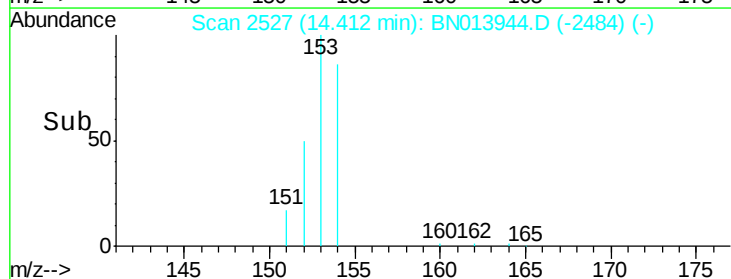
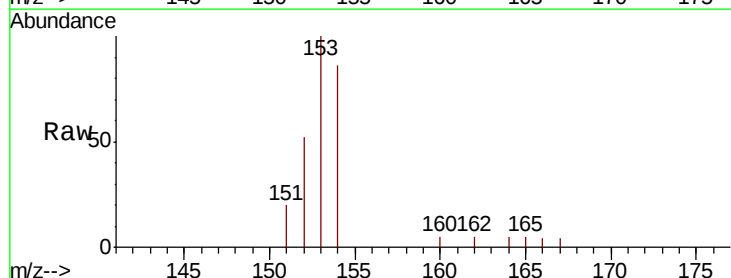
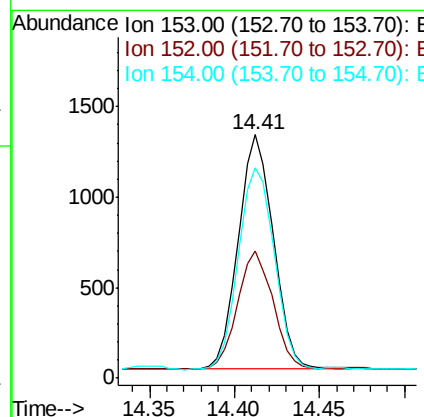
RT: 14.41 min Scan# 2527

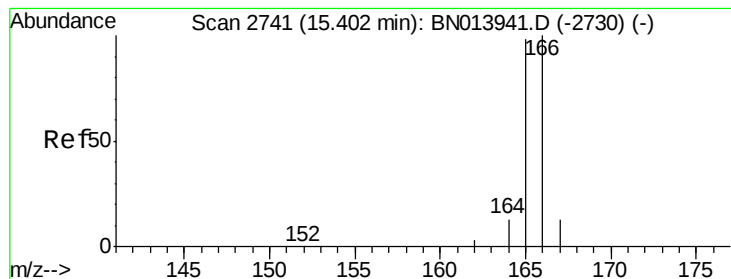
Delta R.T. -0.00 min

Lab File: BN013944.D

Acq: 15 Mar 2021 17:04

Tgt Ion:	153	Resp:	1866
Ion Ratio	Lower	Upper	
153	100		
152	52.5	40.5	60.7
154	86.3	69.3	103.9





#12

Fluorene

Concen: 0.068 ng/ul

RT: 15.40 min Scan# 2741

Delta R.T. -0.00 min

Lab File: BN013944.D

Acq: 15 Mar 2021 17:04

Instrument :

BNA_N

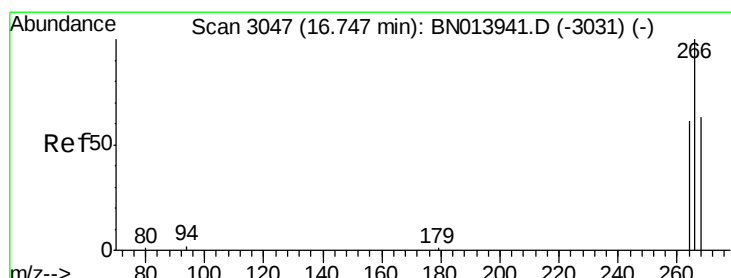
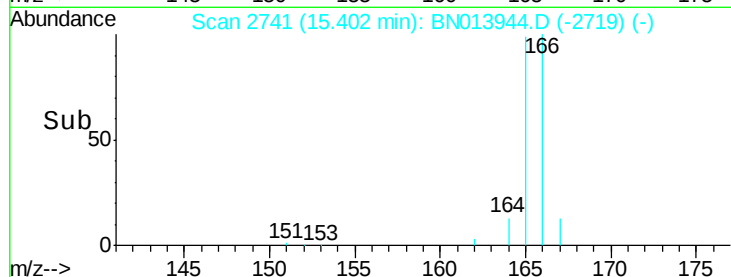
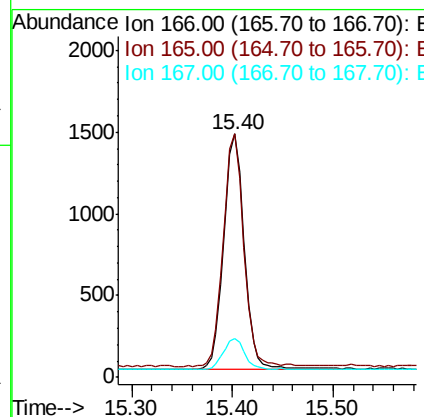
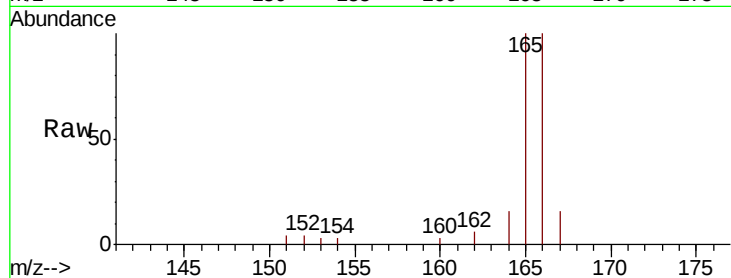
ClientSampleId :

MDL-SOIL-QT2-2021-03

Tot Ion:	166	Resp:	2043
Ion Ratio	Lower	Upper	
166	100		
165	99.9	78.4	117.6
167	15.7	11.0	16.6

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#14

Pentachlorophenol

Concen: 0.068 ng/ul

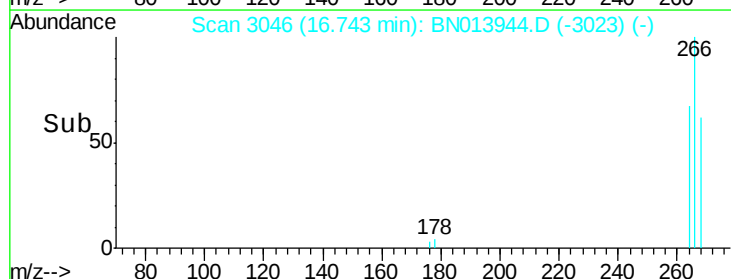
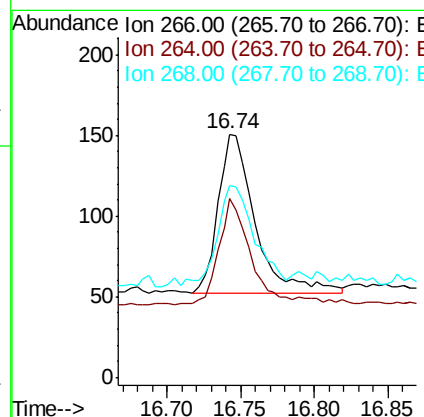
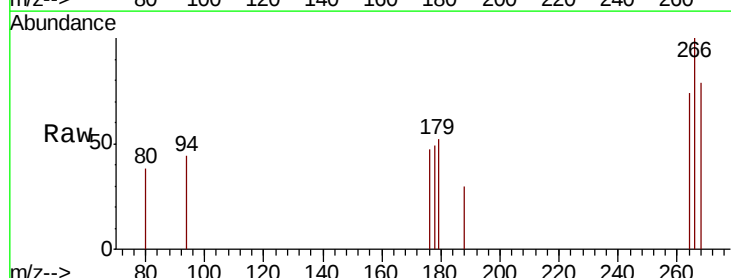
RT: 16.74 min Scan# 3046

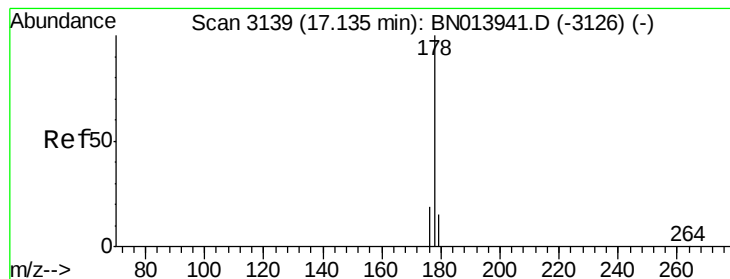
Delta R.T. -0.00 min

Lab File: BN013944.D

Acq: 15 Mar 2021 17:04

Tgt Ion:	266	Resp:	174
Ion Ratio	Lower	Upper	
266	100		
264	56.3	49.2	73.8
268	62.1	52.3	78.5





#15

Phenanthrene

Concen: 0.069 ng/ul

RT: 17.14 min Scan# 3139

Delta R.T. -0.00 min

Lab File: BN013944.D

Acq: 15 Mar 2021 17:04

Instrument :

BNA_N

ClientSampleId :

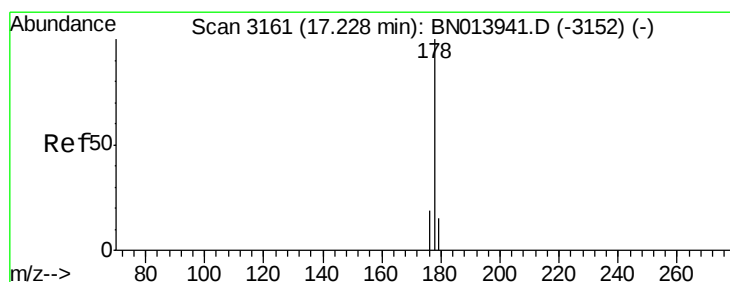
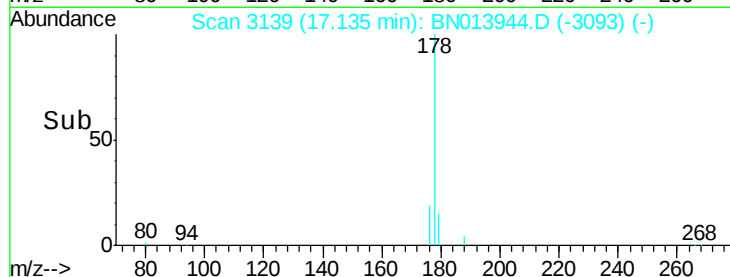
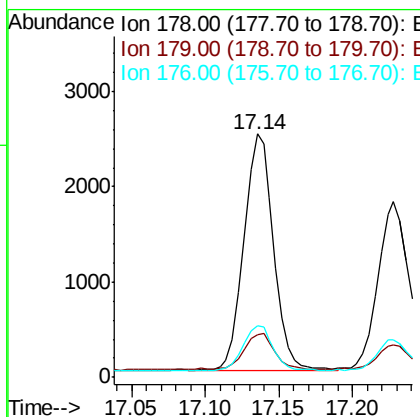
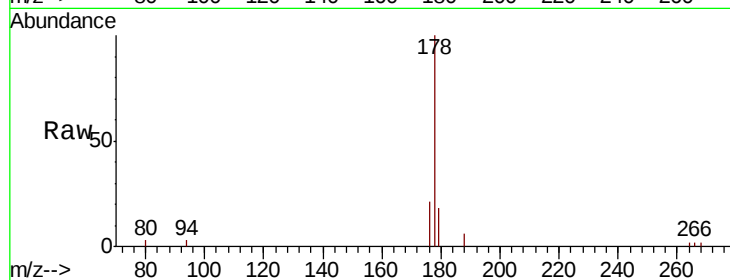
MDL-SOIL-QT2-2021-03

Tot Ion:178 Resp: 3460

Ion	Ratio	Lower	Upper
178	100		
179	17.8	12.5	18.7
176	21.4	15.3	22.9

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#16

Anthracene

Concen: 0.065 ng/ul

RT: 17.23 min Scan# 3161

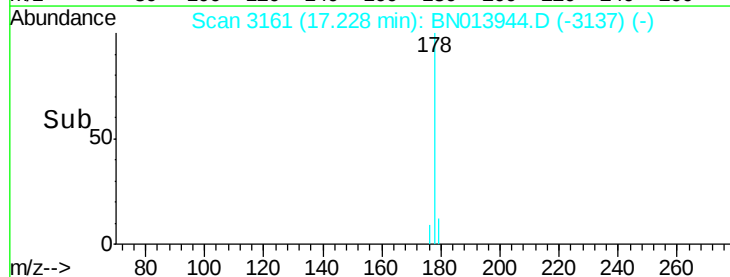
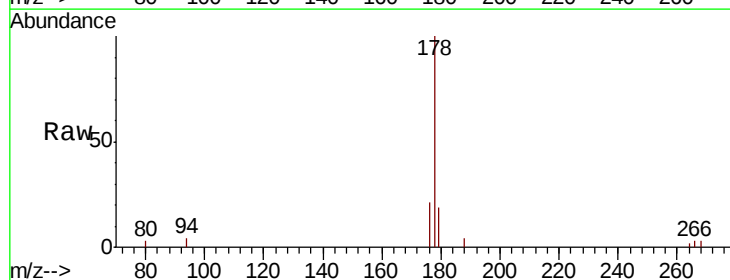
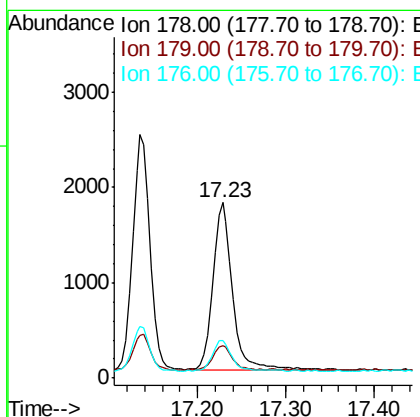
Delta R.T. -0.00 min

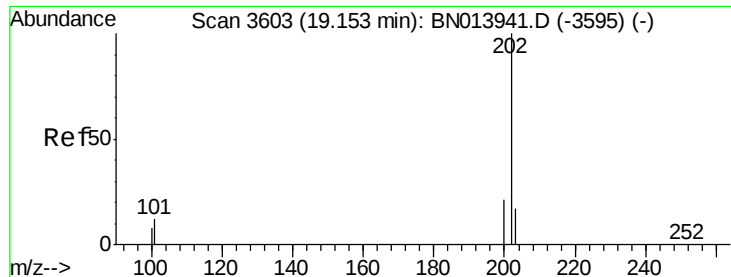
Lab File: BN013944.D

Acq: 15 Mar 2021 17:04

Tgt Ion:178 Resp: 2711

Ion	Ratio	Lower	Upper
178	100		
179	18.5	12.6	18.8
176	21.5	15.4	23.0





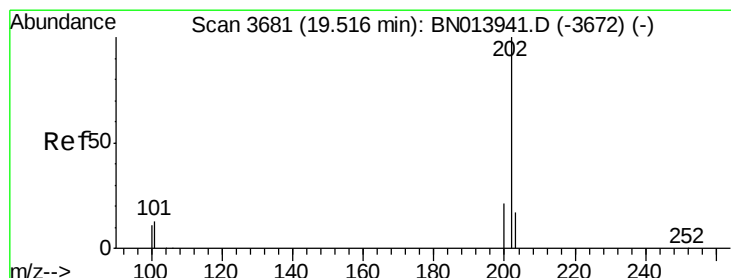
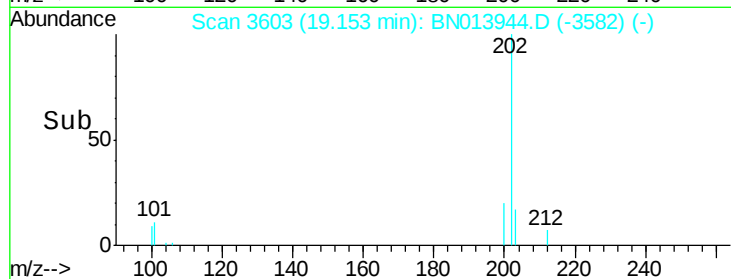
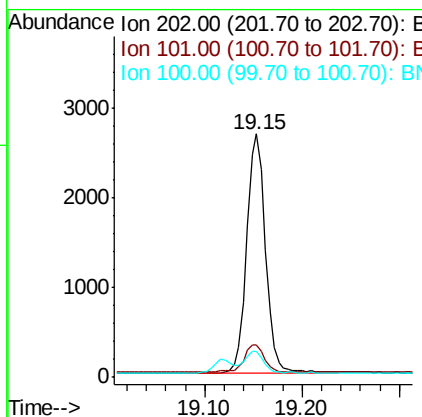
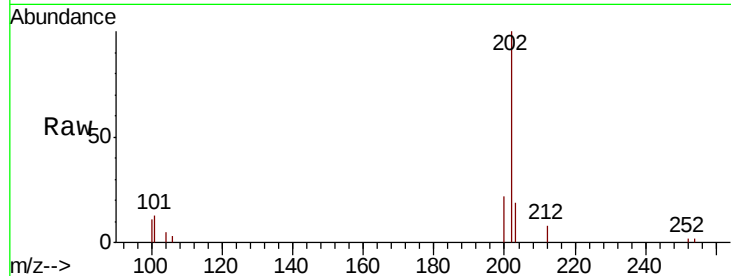
#19
Fluoranthene
Concen: 0.076 ng/ul
RT: 19.15 min Scan# 3603
Delta R.T. -0.00 min
Lab File: BN013944.D
Acq: 15 Mar 2021 17:04

Instrument :
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ClientSampleId :
MDL-SOIL-QT2-2021-03

Tot Ion:202	Resp:	3620
Ion Ratio	Lower	Upper
202	100	
101	13.4	9.7 14.5
100	10.7	7.4 11.2

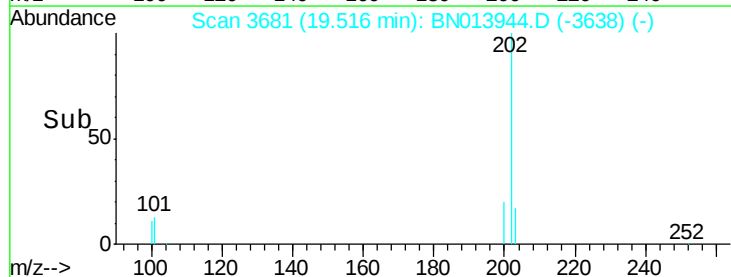
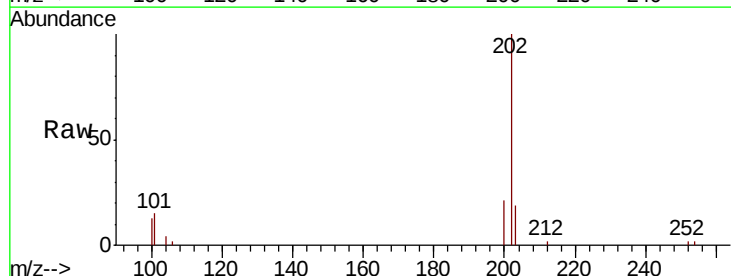
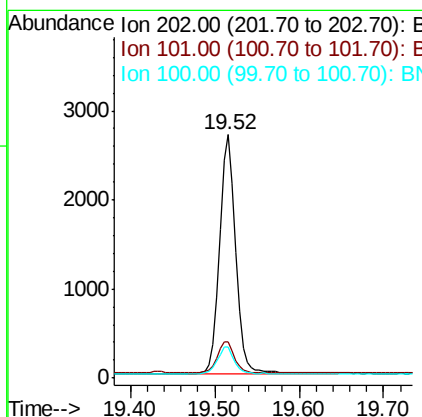
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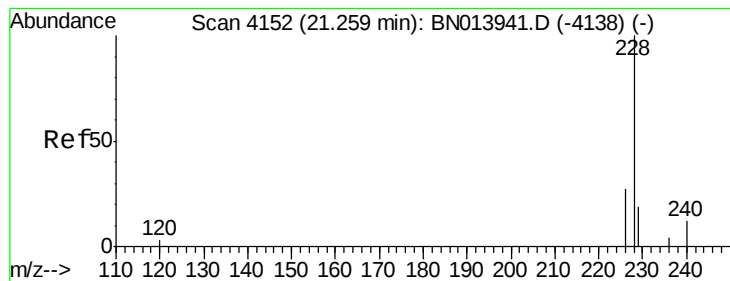
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#20
Pyrene
Concen: 0.074 ng/ul
RT: 19.52 min Scan# 3681
Delta R.T. -0.00 min
Lab File: BN013944.D
Acq: 15 Mar 2021 17:04

Tgt Ion:202	Resp:	3648
Ion Ratio	Lower	Upper
202	100	
101	15.1	11.0 16.4
100	12.7	9.0 13.4





#21

Benzo(a)anthracene

Concen: 0.065 ng/ul

RT: 21.26 min Scan# 4151

Delta R.T. -0.00 min

Lab File: BN013944.D

Acq: 15 Mar 2021 17:04

Instrument :

BNA_N

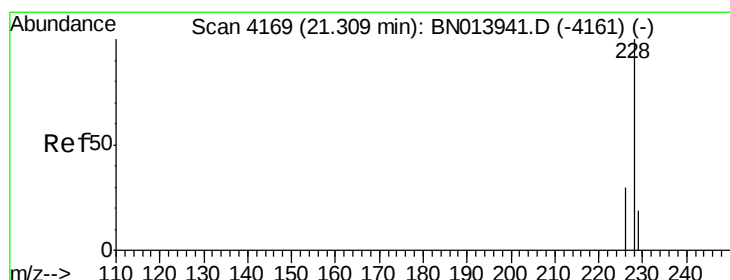
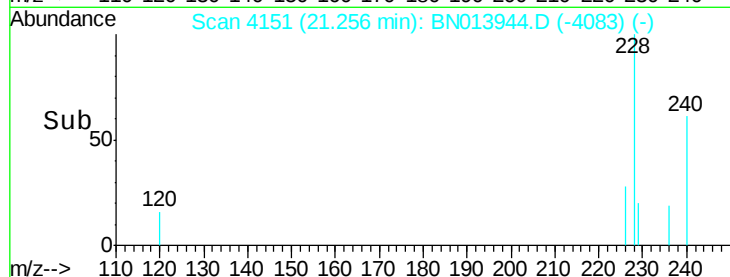
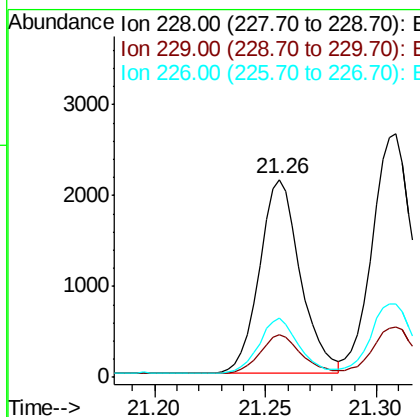
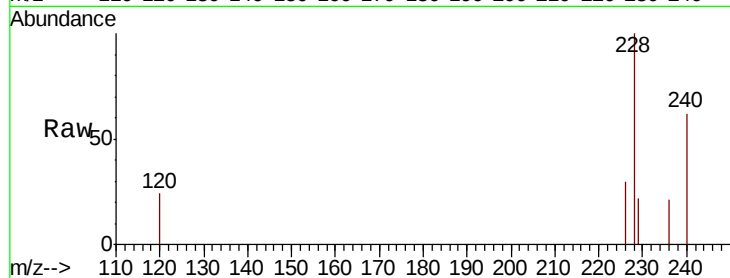
ClientSampleId :

MDL-SOIL-QT2-2021-03

Tot Ion:	228	Resp:	2728
Ion Ratio	Lower	Upper	
228	100		
229	21.7	15.5	23.3
226	30.0	21.5	32.3

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#22

Chrysene

Concen: 0.073 ng/ul

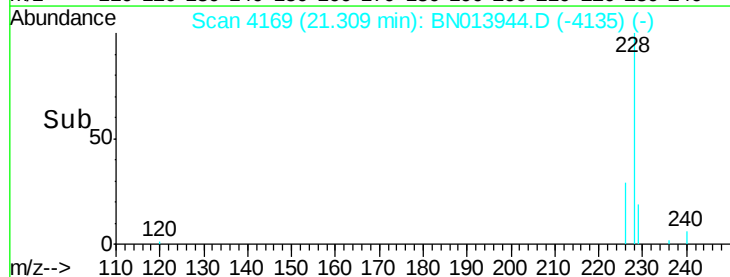
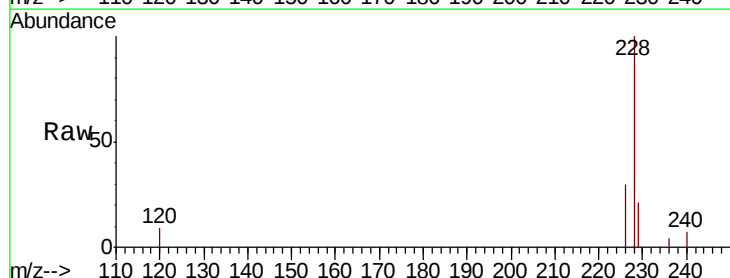
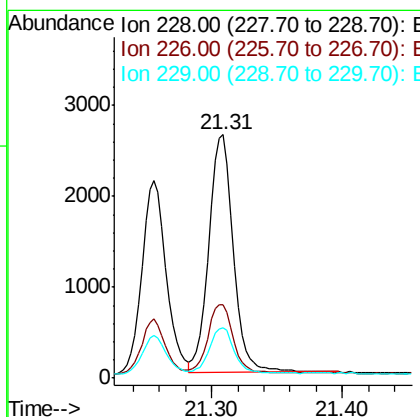
RT: 21.31 min Scan# 4169

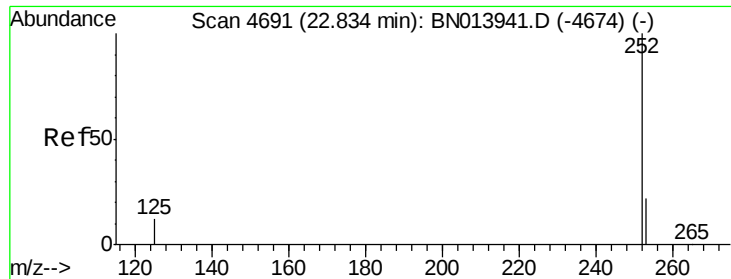
Delta R.T. -0.00 min

Lab File: BN013944.D

Acq: 15 Mar 2021 17:04

Tgt Ion:	228	Resp:	3412
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.4	36.6
229	20.6	15.8	23.8





#24

Benzo(b)fluoranthene

Concen: 0.071 ng/ul

RT: 22.83 min Scan# 4690

Delta R.T. -0.00 min

Lab File: BN013944.D

Acq: 15 Mar 2021 17:04

Instrument :

BNA_N

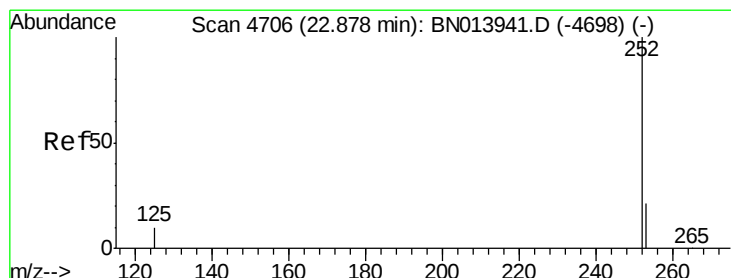
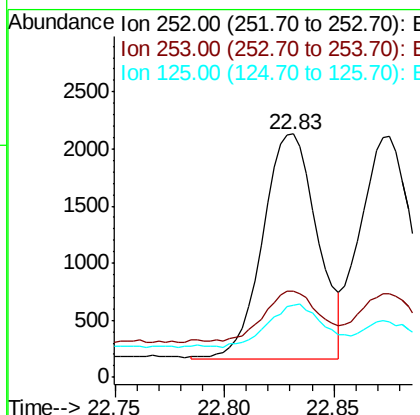
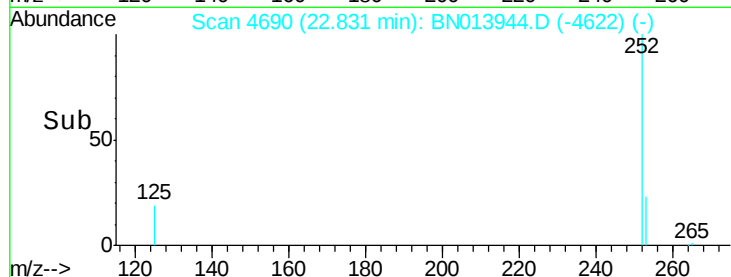
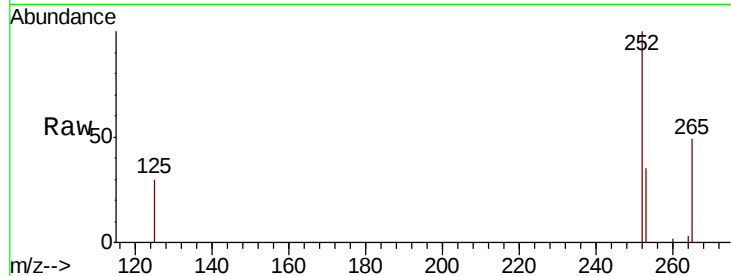
ClientSampleId :

MDL-SOIL-QT2-2021-03

Tot Ion	Ratio	Lower	Upper
252	100		
253	35.4	0.0	47.4
125	29.6	0.0	27.8

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#25

Benzo(k)fluoranthene

Concen: 0.070 ng/ul

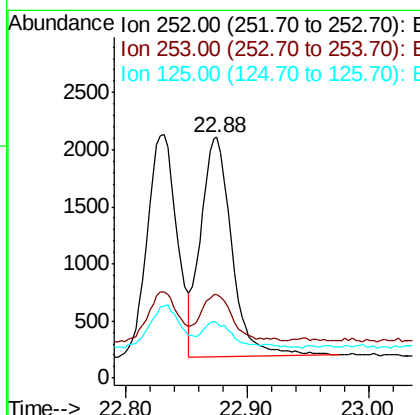
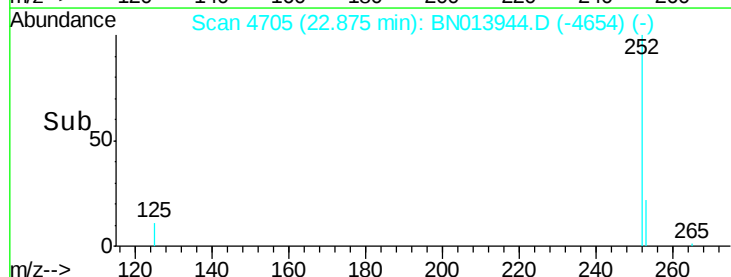
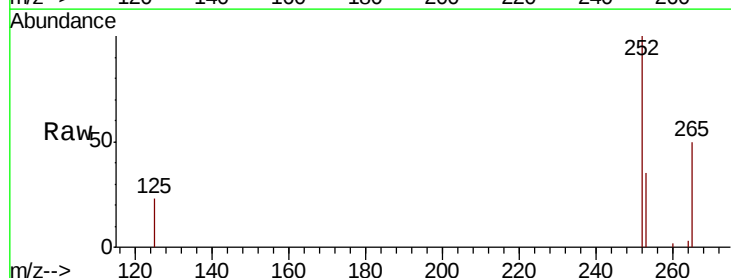
RT: 22.88 min Scan# 4705

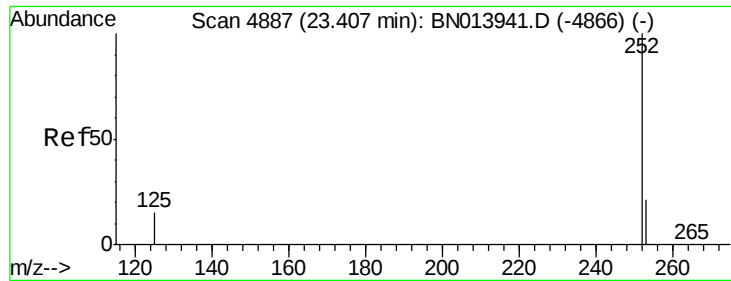
Delta R.T. -0.00 min

Lab File: BN013944.D

Acq: 15 Mar 2021 17:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.9	19.0	28.6
125	23.1	10.5	15.7





#26

Benzo(a)pyrene

Concen: 0.069 ng/u1

RT: 23.40 min Scan# 4885

Delta R.T. -0.00 min

Lab File: BN013944.D

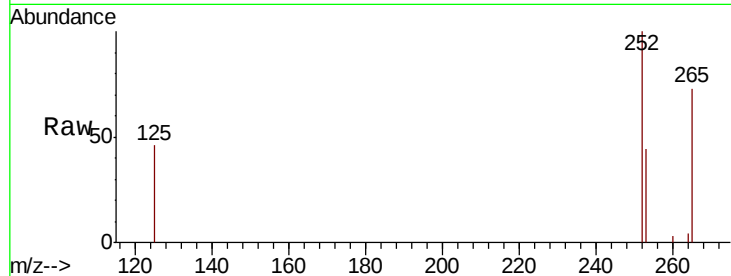
Acq: 15 Mar 2021 17:04

Instrument :

BNA_N

ClientSampleId :

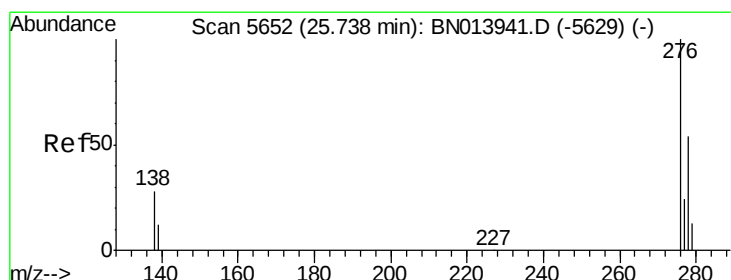
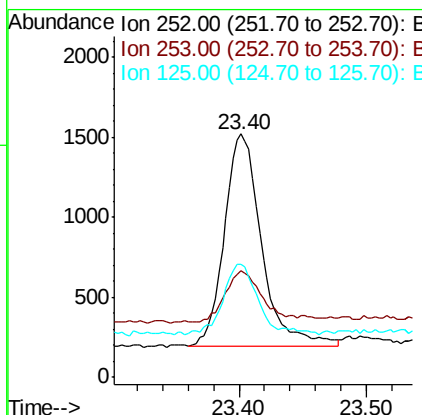
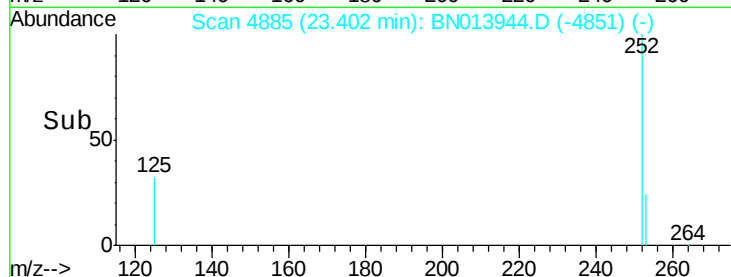
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Tot Ion	Ratio	Lower	Upper
252	100		
253	43.6	19.8	29.6#
125	46.3	13.7	20.5#

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#27

Indeno(1,2,3-cd)pyrene

Concen: 0.069 ng/u1

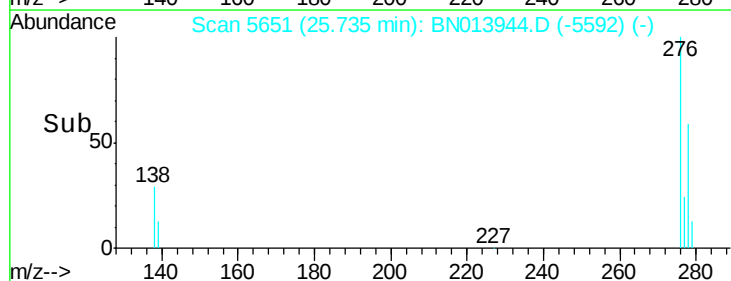
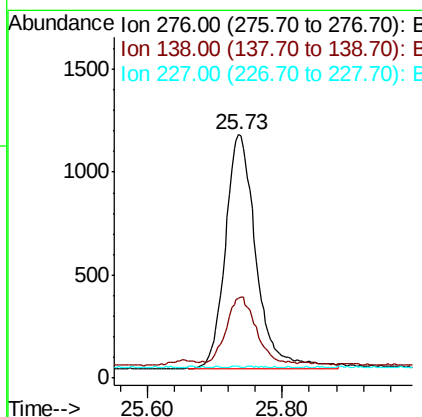
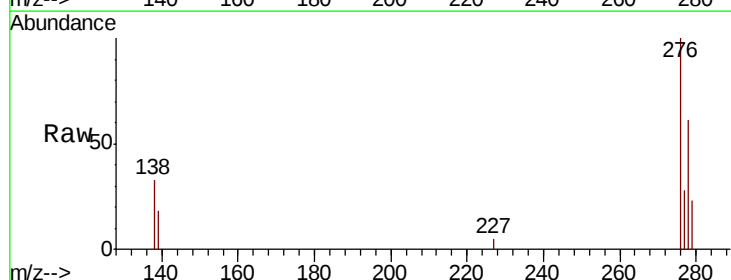
RT: 25.73 min Scan# 5651

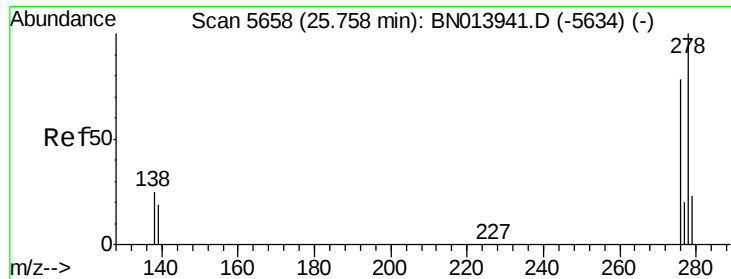
Delta R.T. -0.00 min

Lab File: BN013944.D

Acq: 15 Mar 2021 17:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	23.4	35.0
227	0.1	0.0	0.0#





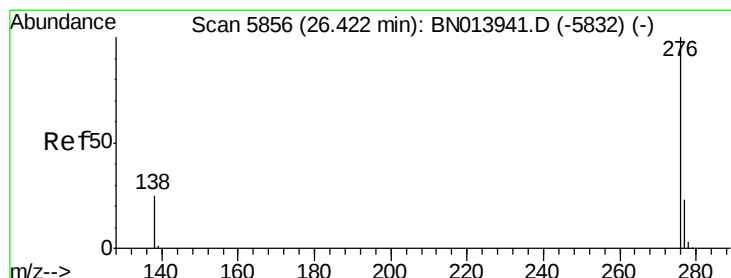
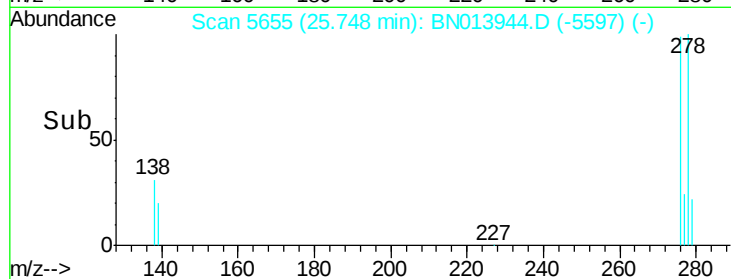
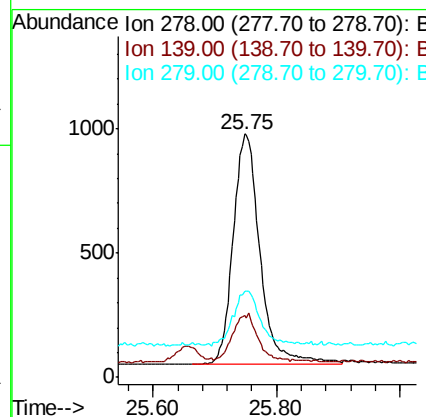
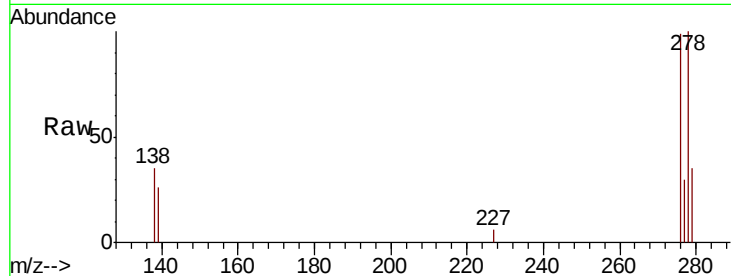
#28
Dibenzo(a,h)anthracene
Concen: 0.068 ng/ul
RT: 25.75 min Scan# 5655
Delta R.T. -0.01 min
Lab File: BN013944.D
Acq: 15 Mar 2021 17:04

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2021-03

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.6	16.3	24.5#
279	35.3	20.1	30.1#

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#29
Benzo(g,h,i)perylene
Concen: 0.072 ng/ul
RT: 26.42 min Scan# 5856
Delta R.T. -0.00 min
Lab File: BN013944.D
Acq: 15 Mar 2021 17:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.1	20.8	31.2
277	28.5	19.4	29.2

