

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031621\
 Data File : BN013953.D
 Acq On : 16 Mar 2021 14:05
 Operator : CG/JU
 Sample : M1344-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT2-2021-04

Manual Integrations
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mohammad
 3/17/2021 10:50:56 AM

Quant Time: Mar 16 14:36:59 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 : Tue Mar 16 11:01:22 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3942	0.40	ng/ul	0.00
4) Naphthalene-d8	10.49	136	13246	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.35	164	6428	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.09	188	13654	0.40	ng/ul	0.00
17) Chrysene-d12	21.27	240	10502	0.40	ng/ul	0.00
23) Perylene-d12	23.50	264	9506	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	2185	0.52	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.08	152	5438	0.28	ng/ul	0.00
18) Fluoranthene-d10	19.12	212	10121	0.32	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.25	88	264	0.060	ng/ul#	64
5) Naphthalene	10.54	128	2724	0.071	ng/ul#	95
7) 2-Methylnaphthalene	12.16	142	1711	0.068	ng/ul	100
8) 1-Methylnaphthalene	12.38	142	1623	0.067	ng/ul	100
10) Acenaphthylene	14.07	152	1859	0.064	ng/ul#	92
11) Acenaphthene	14.41	153	1695	0.070	ng/ul	99
12) Fluorene	15.40	166	1838	0.068	ng/ul#	98
14) Pentachlorophenol	16.74	266	154	0.066	ng/ul#	87
15) Phenanthrene	17.14	178	3139	0.069	ng/ul	94
16) Anthracene	17.22	178	2423	0.064	ng/ul#	92
19) Fluoranthene	19.15	202	3263	0.077	ng/ul	97
20) Pyrene	19.52	202	3244	0.074	ng/ul	97
21) Benzo(a)anthracene	21.26	228	2431	0.065	ng/ul	97
22) Chrysene	21.31	228	2975	0.072	ng/ul	97
24) Benzo(b)fluoranthene	22.83	252	3189m	0.072	ng/ul	
25) Benzo(k)fluoranthene	22.87	252	3267	0.073	ng/ul#	73
26) Benzo(a)pyrene	23.40	252	2689	0.075	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.73	276	3448	0.072	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.75	278	2692	0.070	ng/ul#	82
29) Benzo(g,h,i)perylene	26.42	276	2948	0.069	ng/ul	91

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

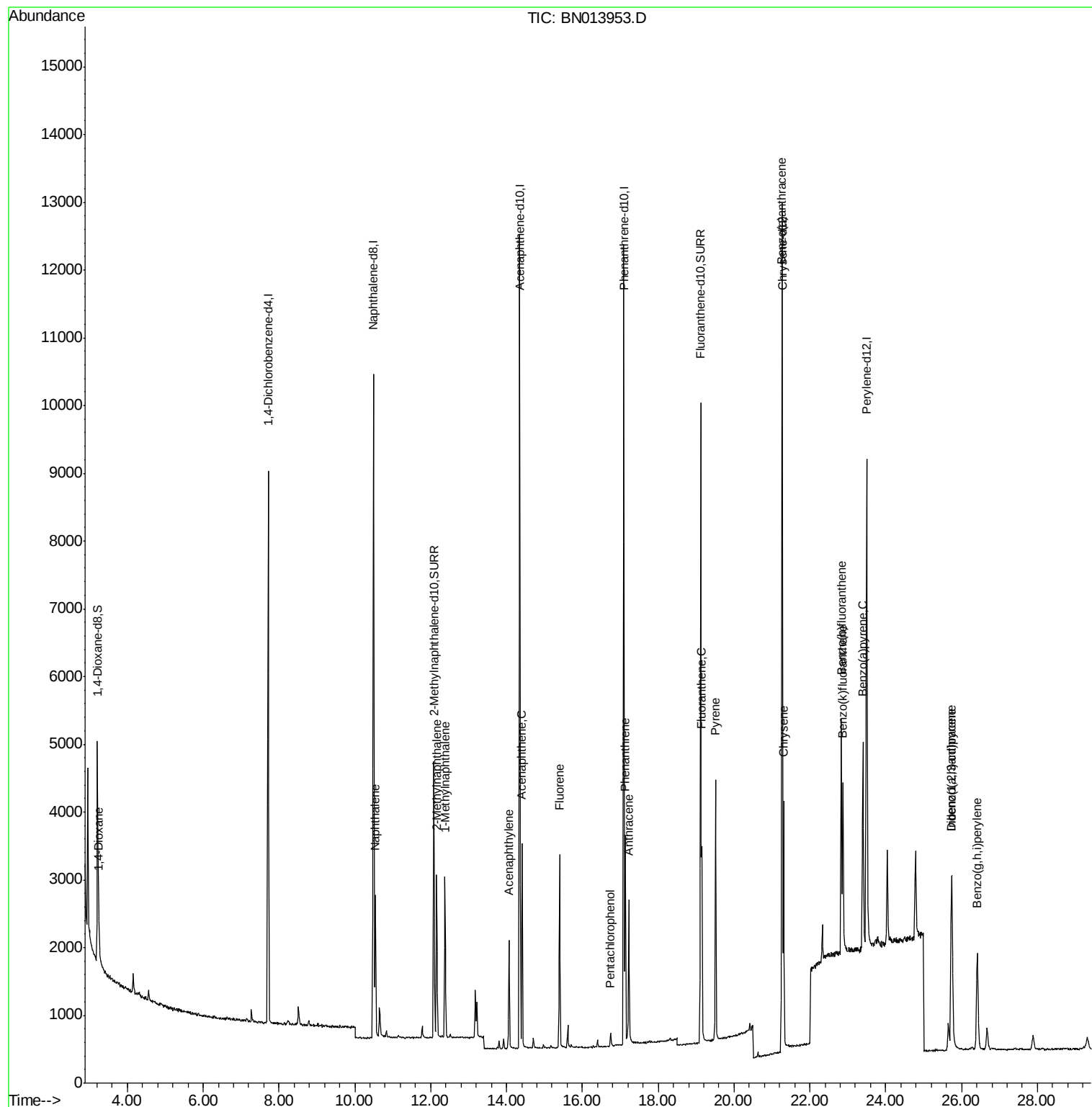
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031621\
Data File : BN013953.D
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ALS Vial : 7 Sample Multiplier: 1

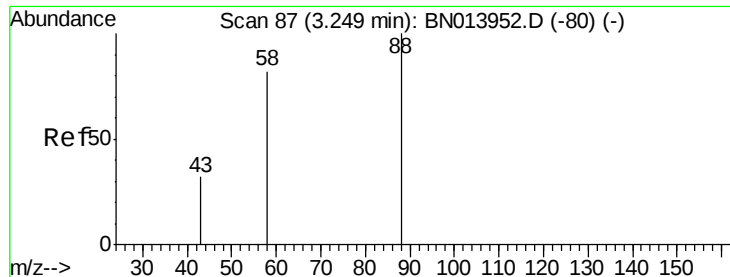
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2021-04

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3/17/2021 10:50:56 AM

Quant Time: Mar 16 14:36:59 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 : Tue Mar 16 11:01:22 2021
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 0.060 ng/ul

RT: 3.25 min Scan# 88

Delta R.T. 0.00 min

Lab File: BN013953.D

Acq: 16 Mar 2021 14:05

Instrument :

BNA_N

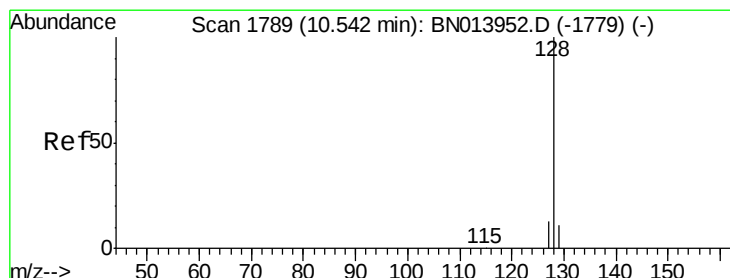
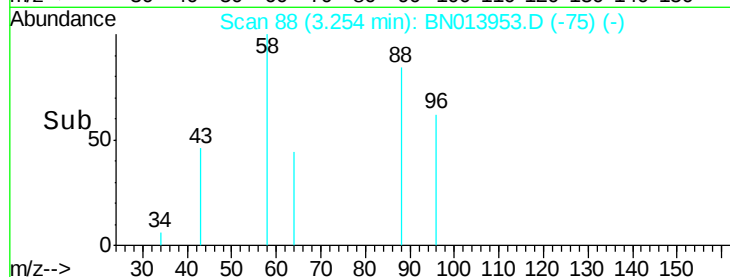
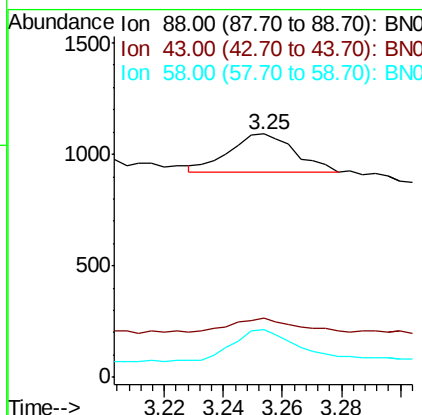
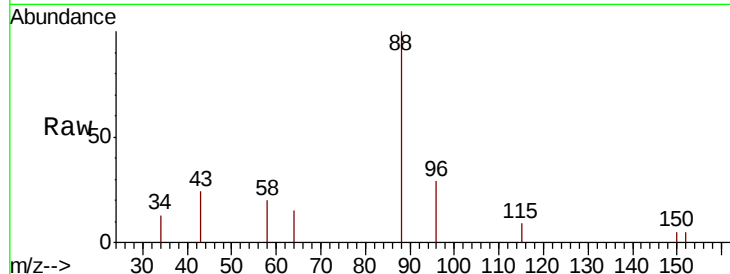
ClientSampleId :

MDL-SOIL-QT2-2021-04

Tot Ion:	88	Resp:	264
Ion	Ratio	Lower	Upper
88	100		
43	24.1	28.5	42.7#
58	19.5	42.5	63.7#

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#5

Naphthalene

Concen: 0.071 ng/ul

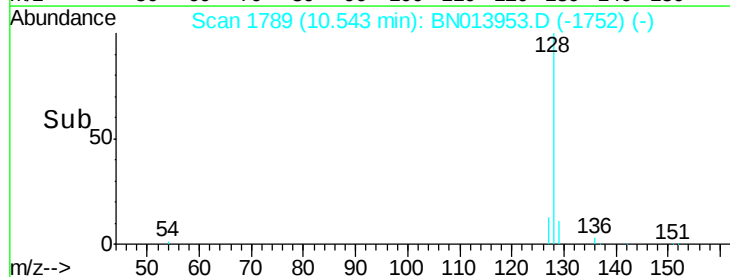
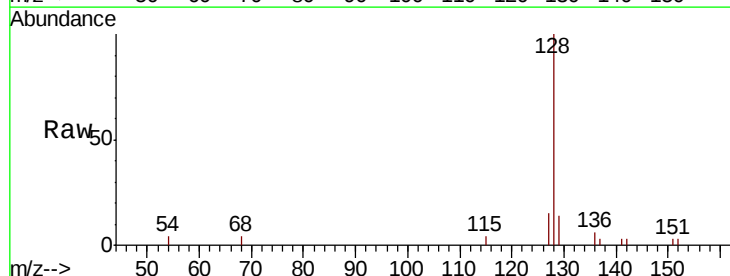
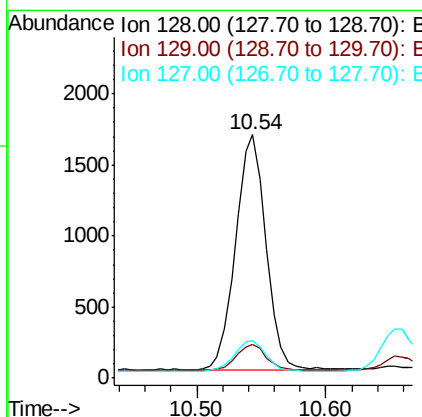
RT: 10.54 min Scan# 1789

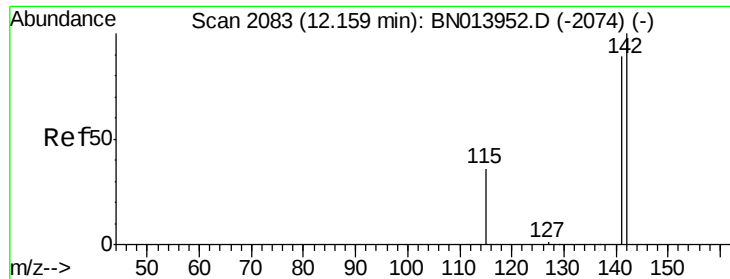
Delta R.T. 0.01 min

Lab File: BN013953.D

Acq: 16 Mar 2021 14:05

Tgt Ion:	128	Resp:	2724
Ion	Ratio	Lower	Upper
128	100		
129	14.1	9.2	13.8#
127	15.2	10.7	16.1





#7

2-Methylnaphthalene

Concen: 0.068 ng/ul

RT: 12.16 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BN013953.D

Acq: 16 Mar 2021 14:05

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT2-2021-04

Tot Ion:142 Resp: 1711

Ion Ratio Lower Upper

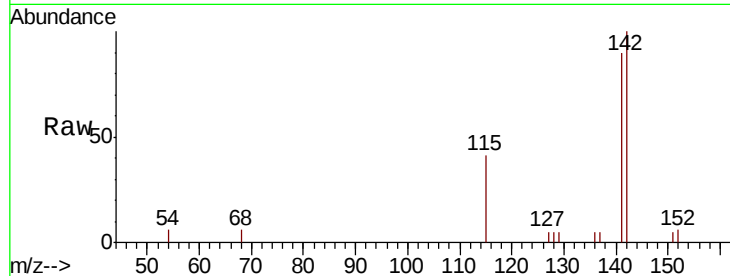
142 100

141 89.4 71.2 106.8

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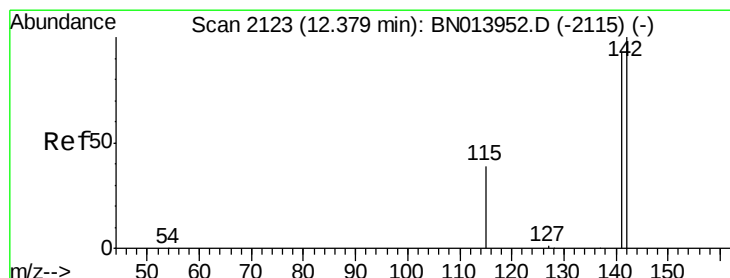
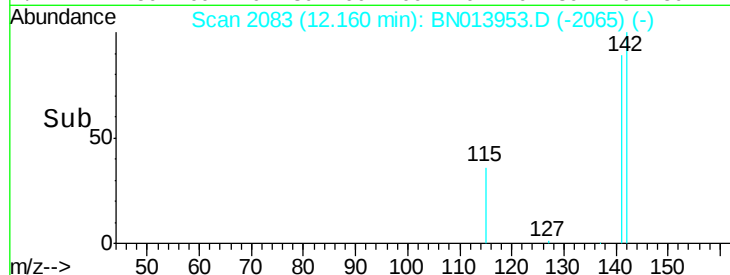
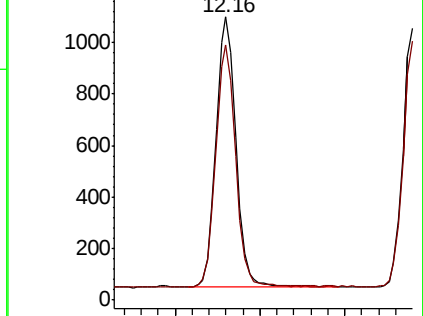
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.067 ng/ul

RT: 12.38 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BN013953.D

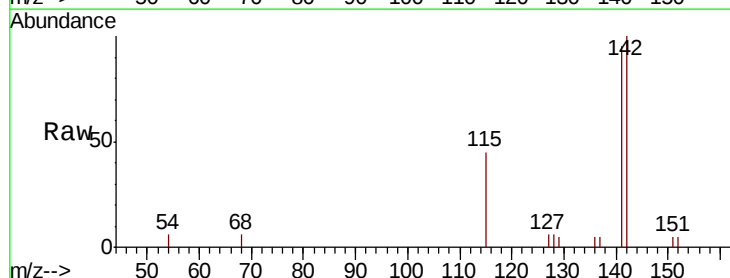
Acq: 16 Mar 2021 14:05

Tgt Ion:142 Resp: 1623

Ion Ratio Lower Upper

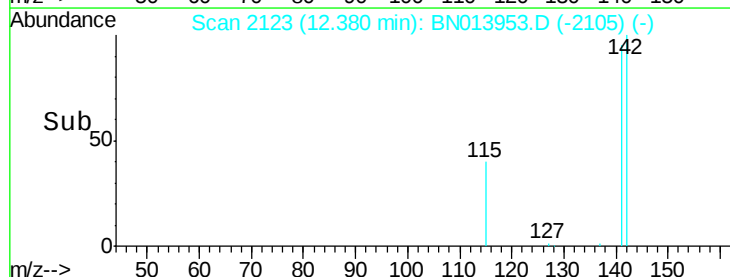
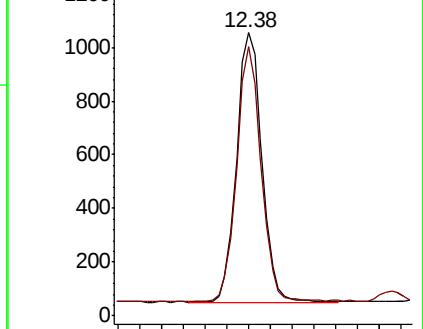
142 100

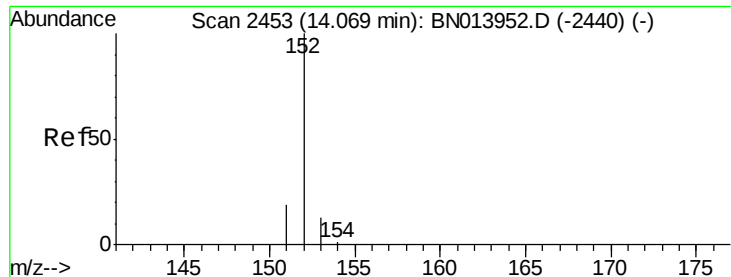
141 91.5 73.5 110.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.064 ng/ul

RT: 14.07 min Scan# 2452

Delta R.T. -0.00 min

Lab File: BN013953.D

Acq: 16 Mar 2021 14:05

Instrument :

BNA_N

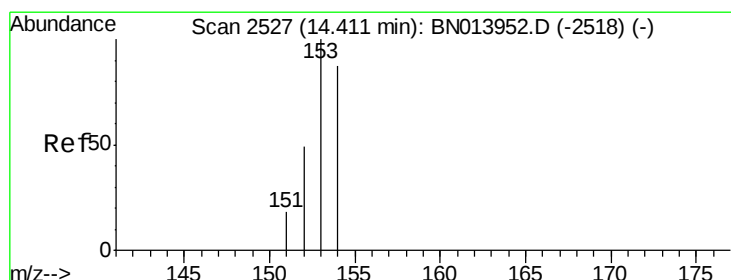
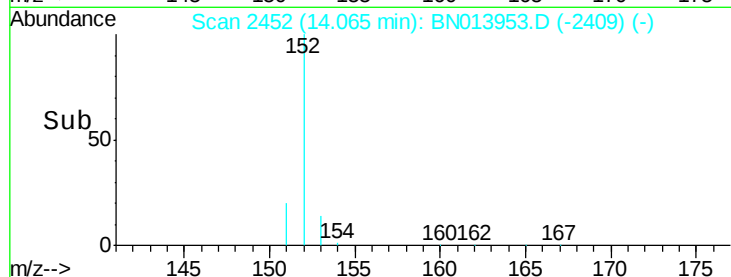
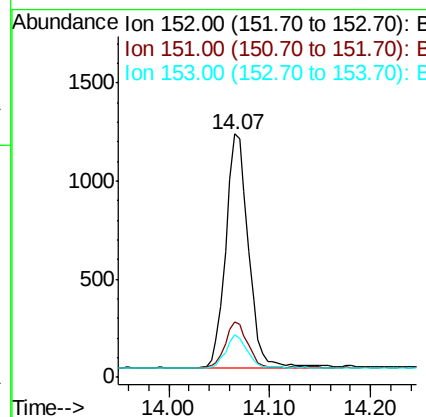
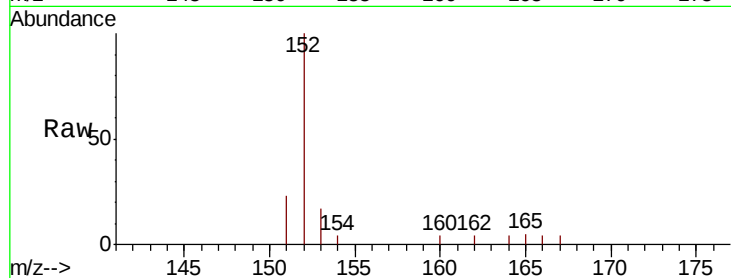
ClientSampleId :

MDL-SOIL-QT2-2021-04

Tot Ion:	152	Resp:	1859
Ion Ratio	Lower	Upper	
152	100		
151	23.0	15.9	23.9
153	17.4	10.9	16.3#

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#11

Acenaphthene

Concen: 0.070 ng/ul

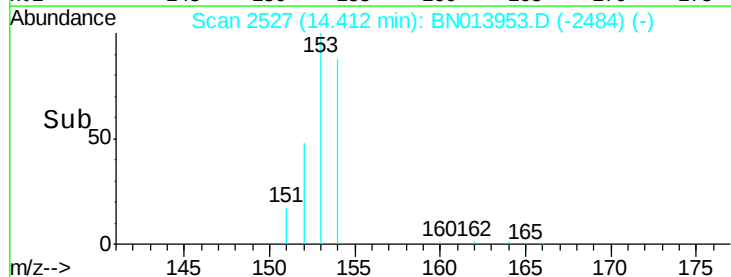
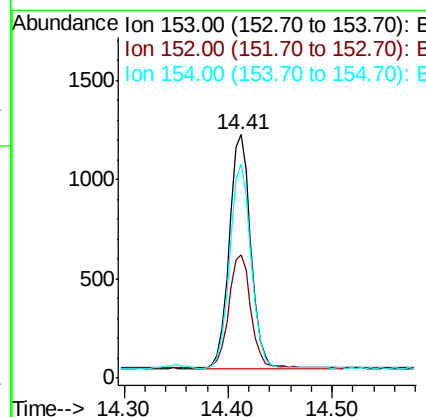
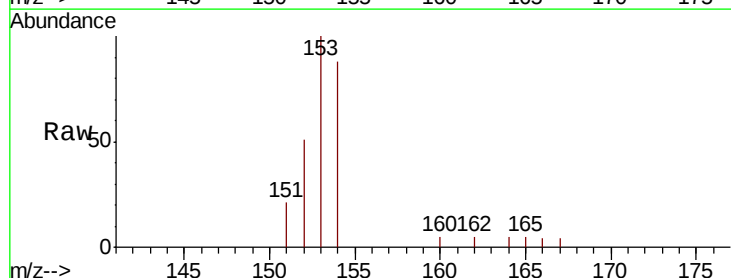
RT: 14.41 min Scan# 2527

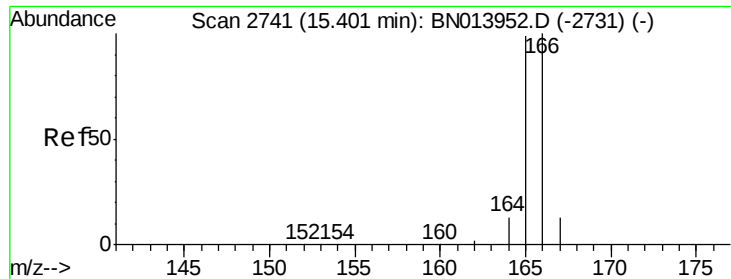
Delta R.T. -0.00 min

Lab File: BN013953.D

Acq: 16 Mar 2021 14:05

Tgt Ion:	153	Resp:	1695
Ion Ratio	Lower	Upper	
153	100		
152	50.7	40.5	60.7
154	88.1	69.3	103.9





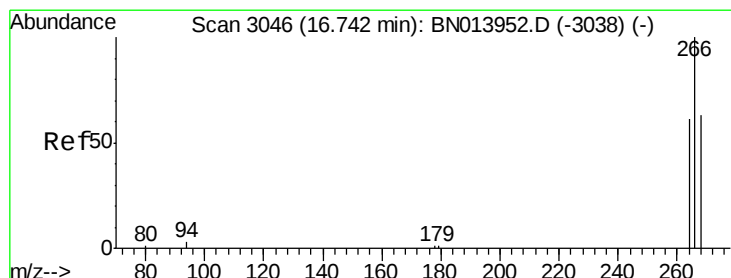
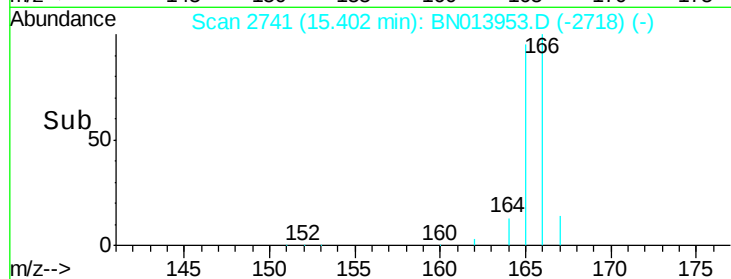
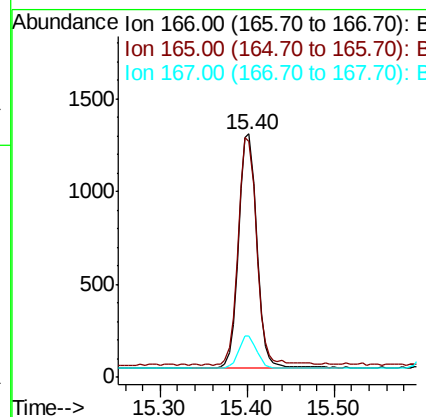
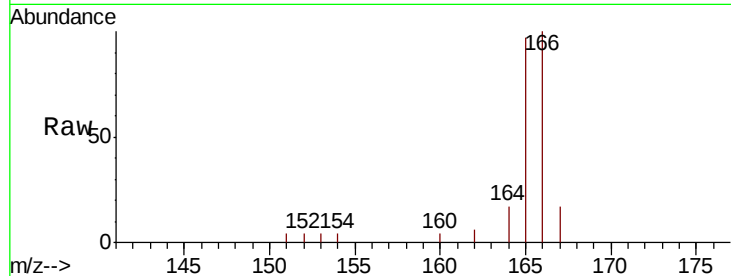
#12
Fluorene
 Concen: 0.068 ng/ul
 RT: 15.40 min Scan# 2741
 Delta R.T. 0.00 min
 Lab File: BN013953.D
 Acq: 16 Mar 2021 14:05

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT2-2021-04

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.4	117.6
167	17.0	11.0	16.6#

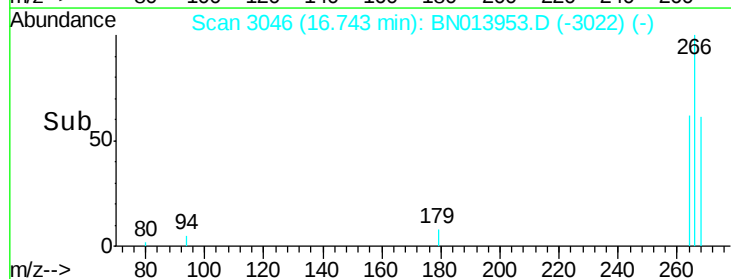
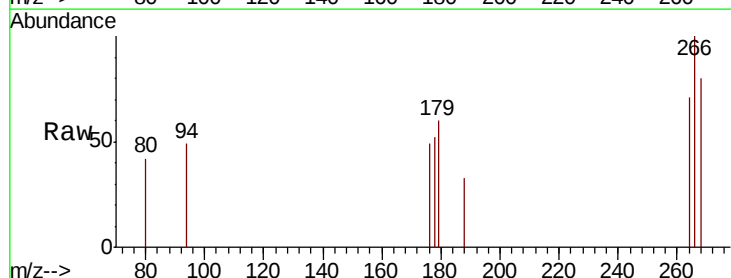
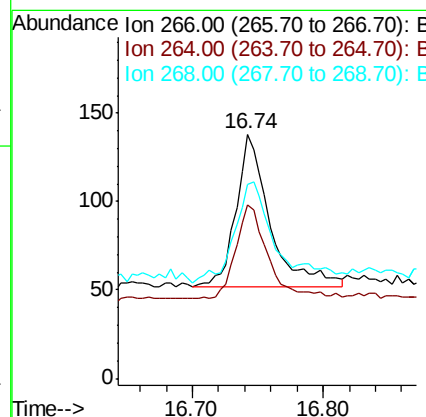
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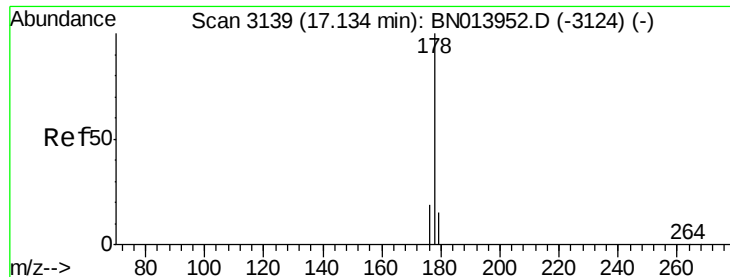
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#14
Pentachlorophenol
 Concen: 0.066 ng/ul
 RT: 16.74 min Scan# 3046
 Delta R.T. -0.00 min
 Lab File: BN013953.D
 Acq: 16 Mar 2021 14:05

Tgt Ion	Ratio	Lower	Upper
266	100		
264	59.1	49.2	73.8
268	82.5	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: BN013953.D

Acq: 16 Mar 2021 14:05

Instrument :

BNA_N

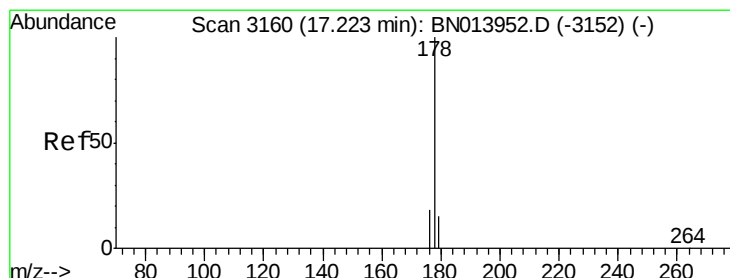
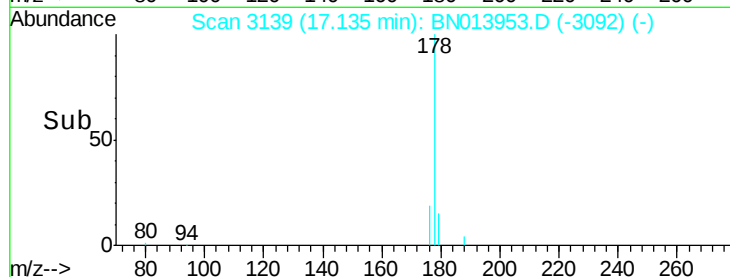
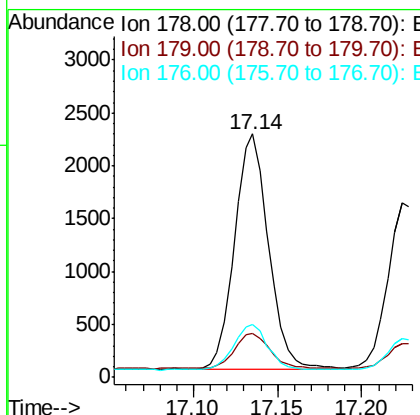
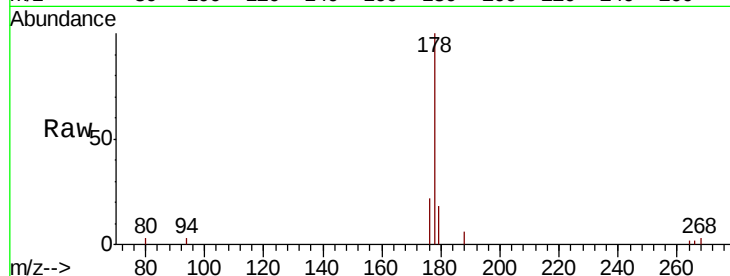
ClientSampleId :

MDL-SOIL-QT2-2021-04

Tot Ion:178	Resp:	3139
Ion Ratio	Lower	Upper
178	100	
179	17.9	12.5 18.7
176	21.8	15.3 22.9

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#16

Anthracene

Concen: 0.064 ng/ul

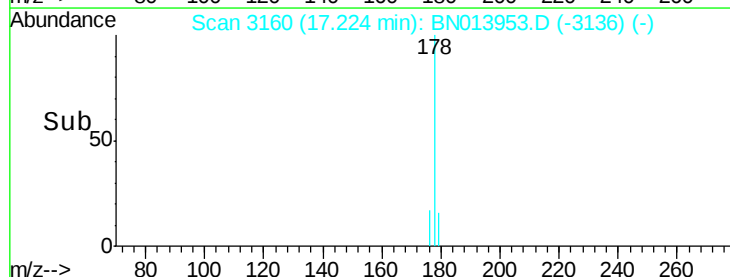
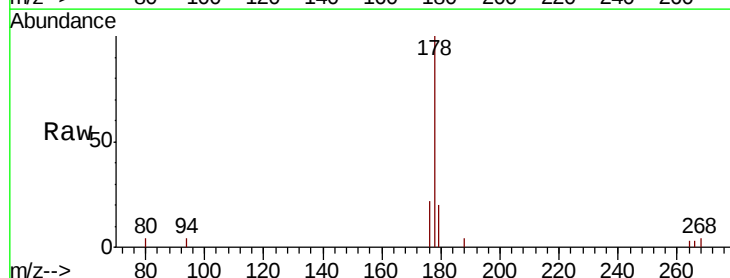
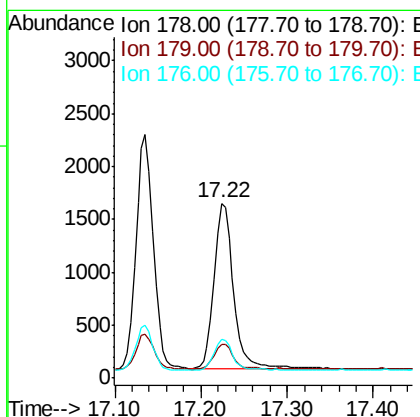
RT: 17.22 min Scan# 3160

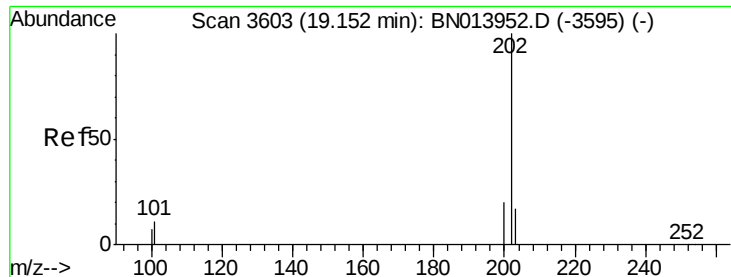
Delta R.T. -0.00 min

Lab File: BN013953.D

Acq: 16 Mar 2021 14:05

Tgt Ion:178	Resp:	2423
Ion Ratio	Lower	Upper
178	100	
179	19.6	12.6 18.8#
176	22.4	15.4 23.0





#19

Fluoranthene

Concen: 0.077 ng/ul

RT: 19.15 min Scan# 3603

Delta R.T. -0.00 min

Lab File: BN013953.D

Acq: 16 Mar 2021 14:05

Instrument :

BNA_N

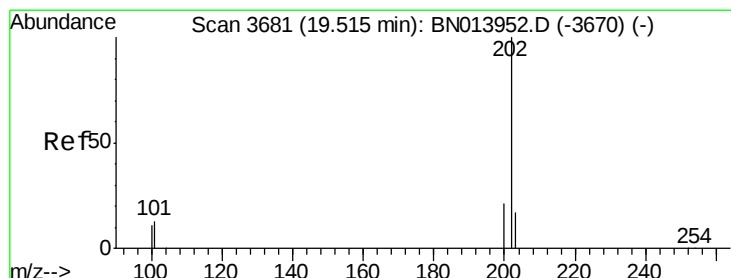
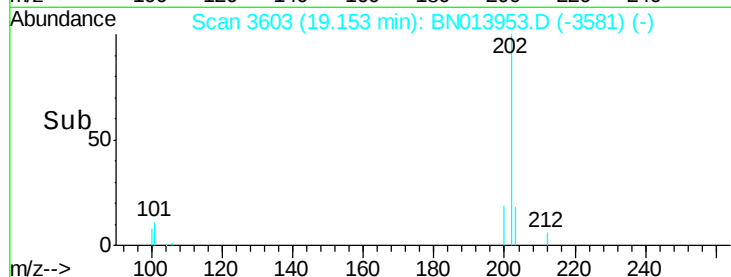
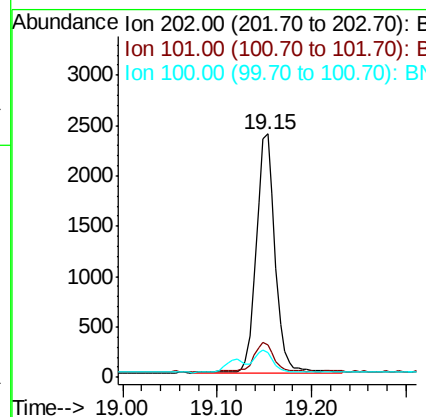
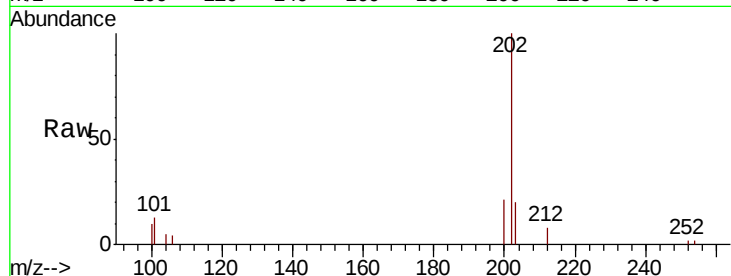
ClientSampleId :

MDL-SOIL-QT2-2021-04

Tot Ion:	202	Resp:	3263
Ion Ratio	Lower	Upper	
202	100		
101	13.5	9.7	14.5
100	10.2	7.4	11.2

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#20

Pyrene

Concen: 0.074 ng/ul

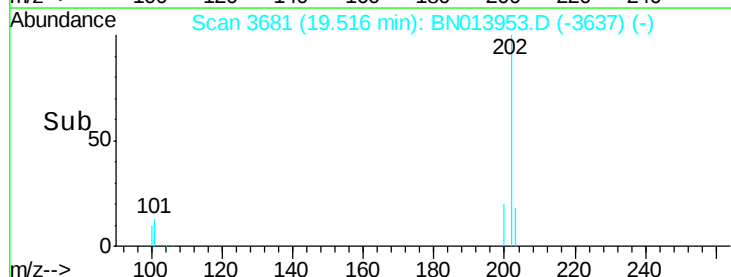
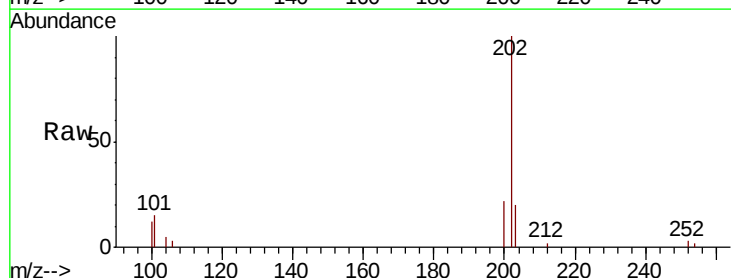
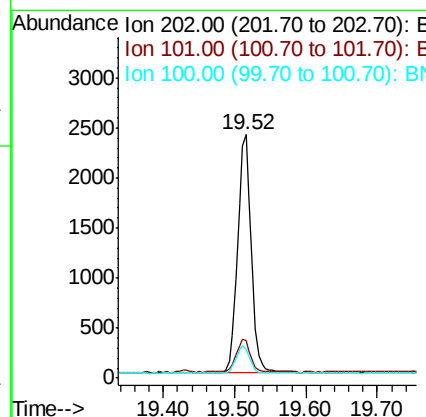
RT: 19.52 min Scan# 3681

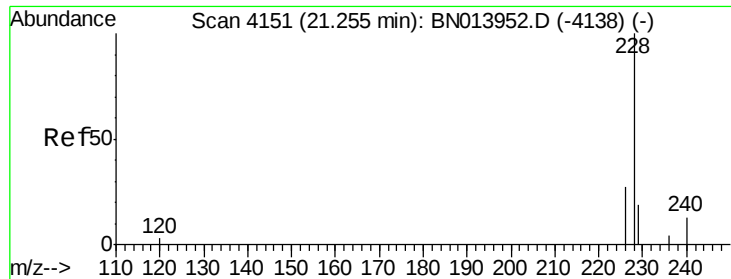
Delta R.T. 0.00 min

Lab File: BN013953.D

Acq: 16 Mar 2021 14:05

Tgt Ion:	202	Resp:	3244
Ion Ratio	Lower	Upper	
202	100		
101	15.4	11.0	16.4
100	11.9	9.0	13.4





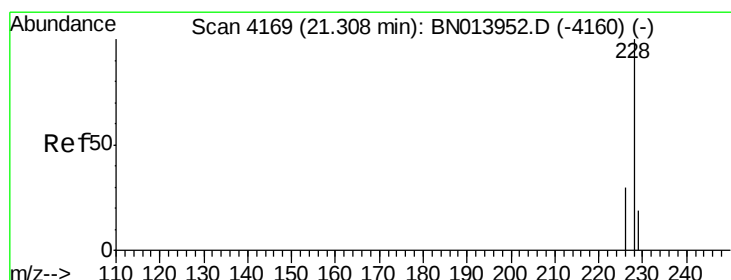
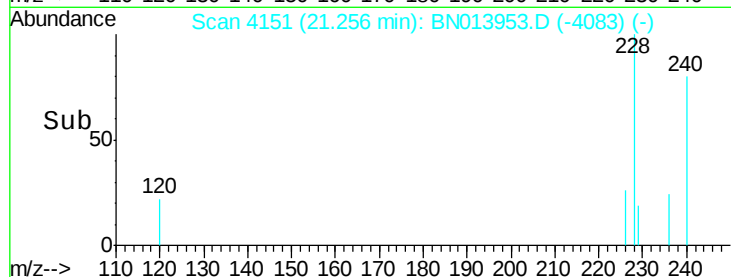
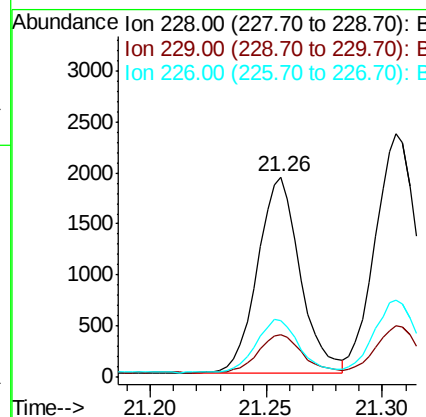
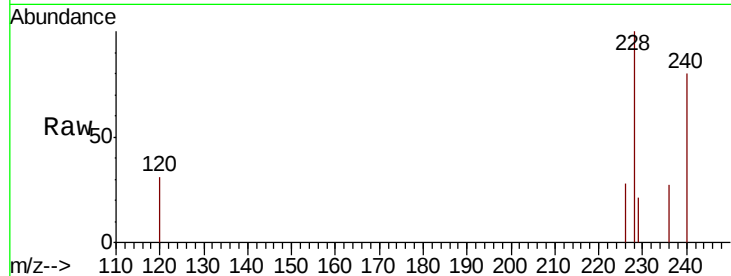
#21
Benzo(a)anthracene
Concen: 0.065 ng/ul
RT: 21.26 min Scan# 4151
Delta R.T. -0.00 min
Lab File: BN013953.D
Acq: 16 Mar 2021 14:05

Instrument :
BNA_N
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MDL-SOIL-QT2-2021-04

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.5	23.3
226	28.3	21.5	32.3

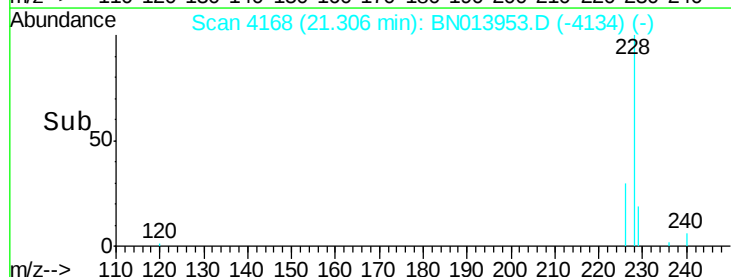
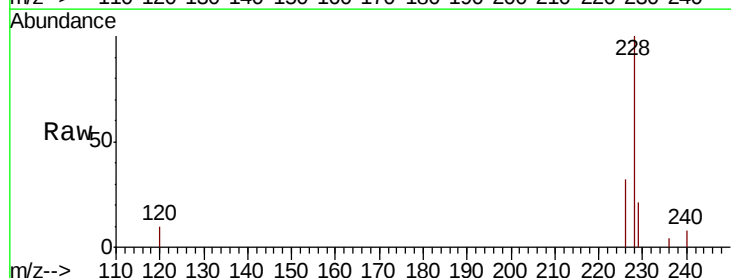
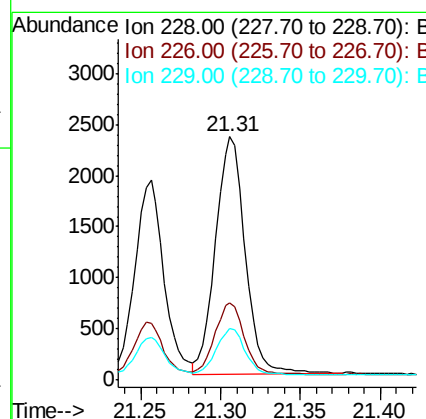
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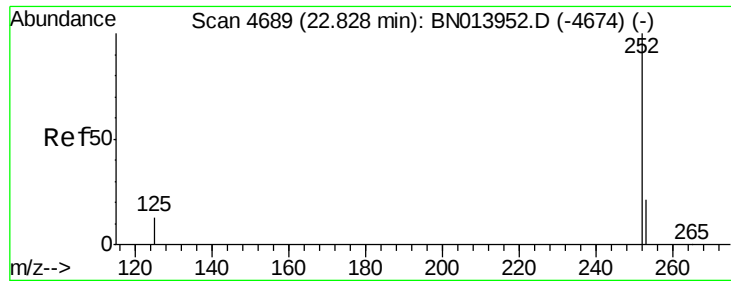
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#22
Chrysene
Concen: 0.072 ng/ul
RT: 21.31 min Scan# 4168
Delta R.T. -0.00 min
Lab File: BN013953.D
Acq: 16 Mar 2021 14:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.4	36.6
229	21.1	15.8	23.8





#24

Benzo(b)fluoranthene

Concen: 0.072 ng/ul

RT: 22.83 min Scan# 4689

Delta R.T. -0.00 min

Lab File: BN013953.D

Acq: 16 Mar 2021 14:05

Instrument :

BNA_N

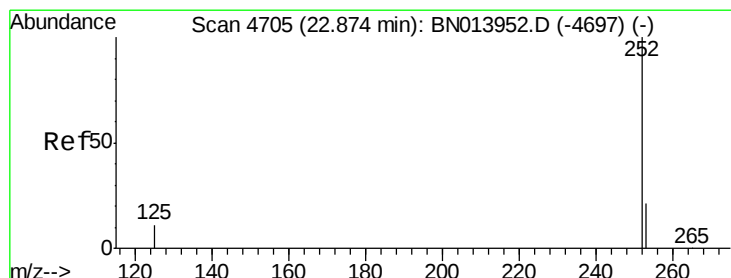
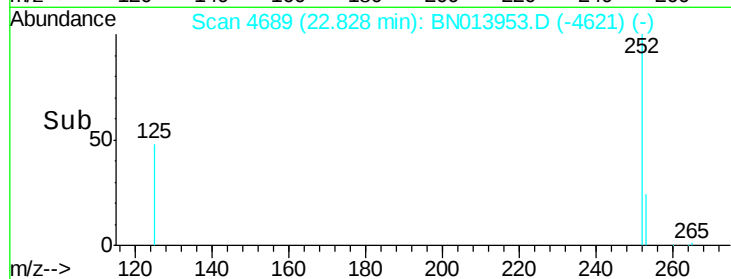
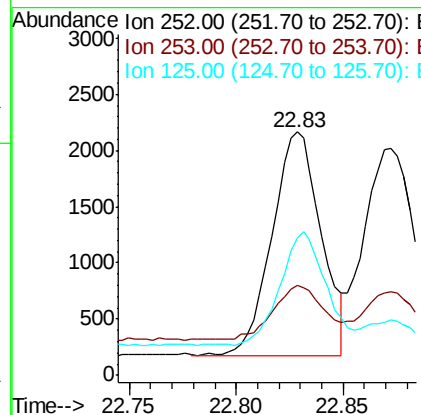
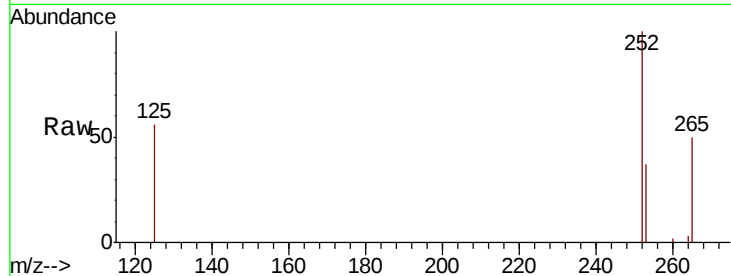
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
252	100		
253	37.1	0.0	47.4
125	56.2	0.0	27.8

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#25

Benzo(k)fluoranthene

Concen: 0.073 ng/ul

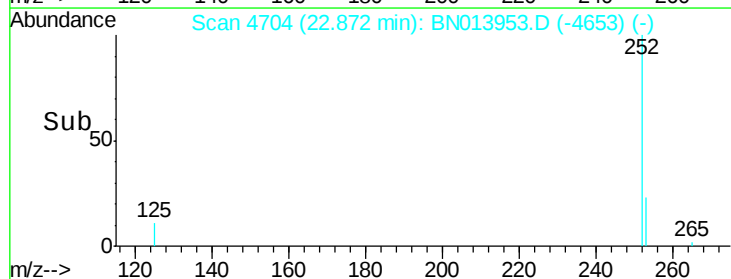
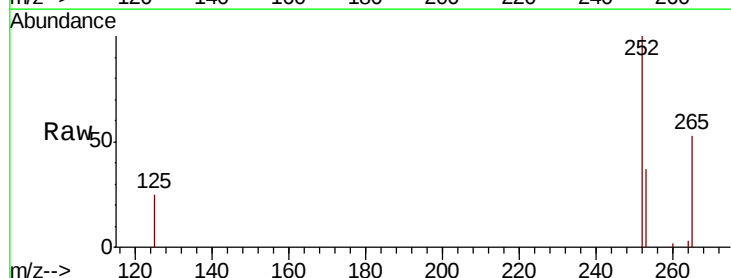
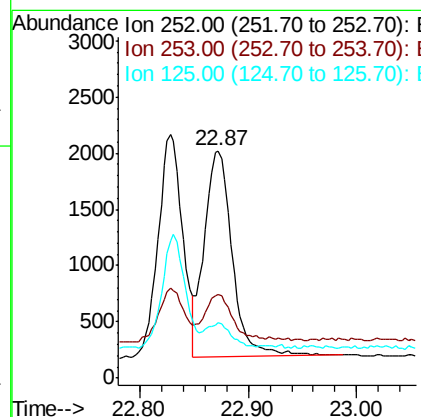
RT: 22.87 min Scan# 4704

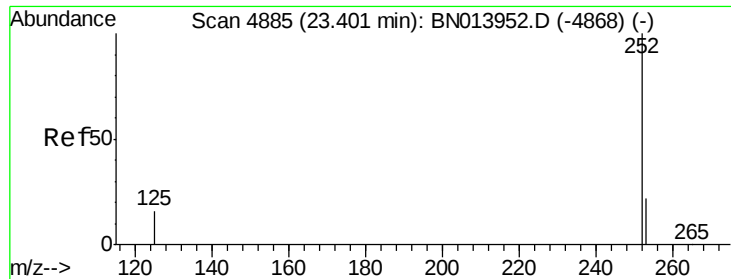
Delta R.T. -0.00 min

Lab File: BN013953.D

Acq: 16 Mar 2021 14:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.8	19.0	28.6
125	24.5	10.5	15.7





#26

Benzo(a)pyrene

Concen: 0.075 ng/u1

RT: 23.40 min Scan# 4884

Delta R.T. -0.00 min

Lab File: BN013953.D

Acq: 16 Mar 2021 14:05

Instrument :

BNA_N

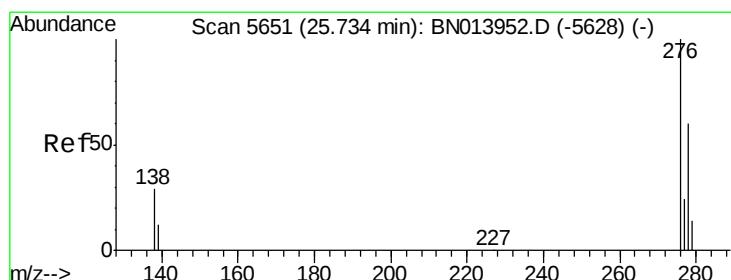
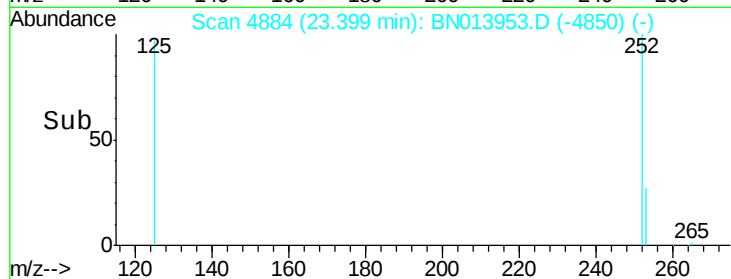
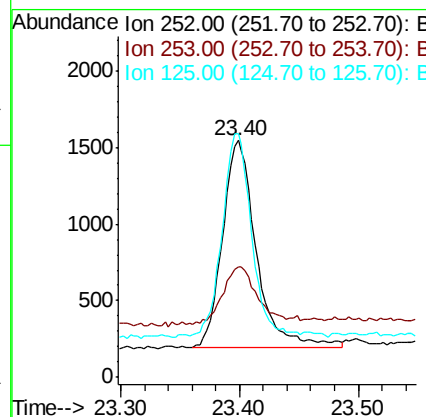
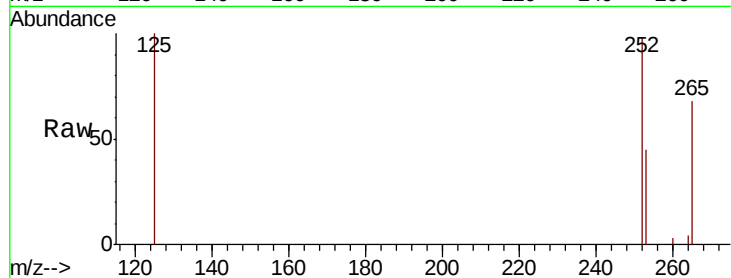
ClientSampleId :

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Tot Ion:	252	Resp:	2689
Ion Ratio	Lower	Upper	
252	100		
253	46.5	19.8	29.6#
125	102.5	13.7	20.5#

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#27

Indeno(1,2,3-cd)pyrene

Concen: 0.072 ng/u1

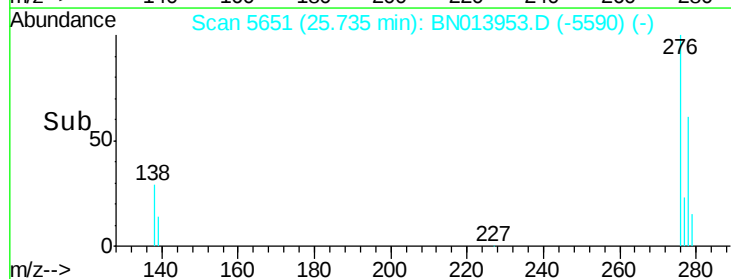
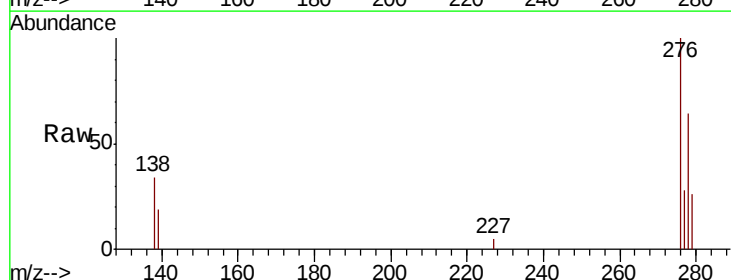
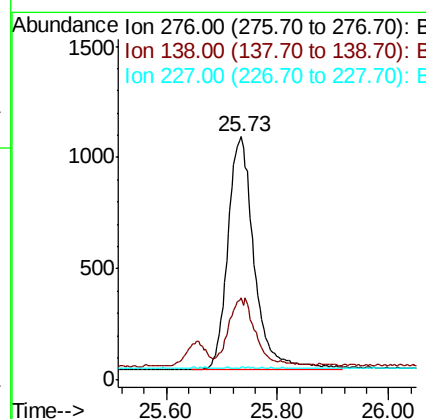
RT: 25.73 min Scan# 5651

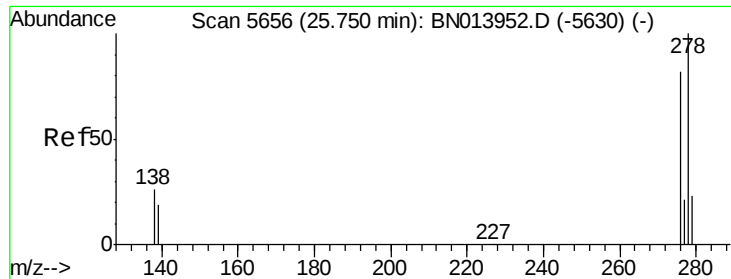
Delta R.T. 0.00 min

Lab File: BN013953.D

Acq: 16 Mar 2021 14:05

Tgt Ion:	276	Resp:	3448
Ion Ratio	Lower	Upper	
276	100		
138	29.3	23.4	35.0
227	0.1	0.0	0.0#





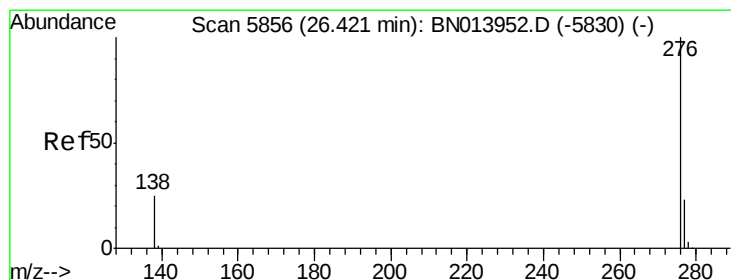
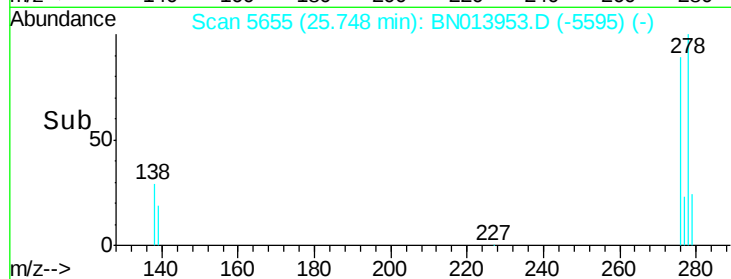
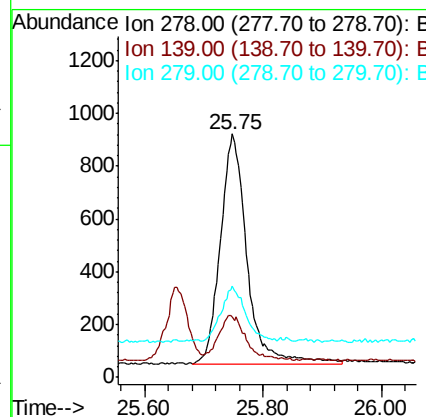
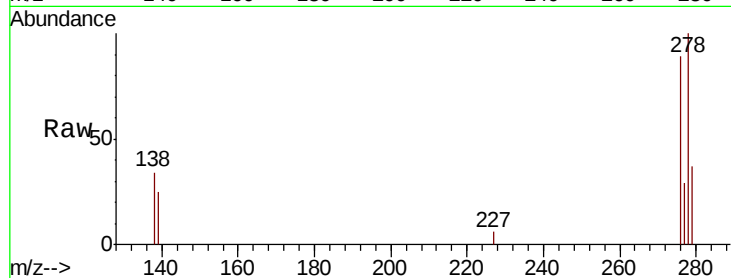
#28
Dibenzo(a,h)anthracene
Concen: 0.070 ng/u1
RT: 25.75 min Scan# 5655
Delta R.T. -0.00 min
Lab File: BN013953.D
Acq: 16 Mar 2021 14:05

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2021-04

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.1	16.3	24.5#
279	37.3	20.1	30.1#

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#29
Benzo(g,h,i)perylene
Concen: 0.069 ng/u1
RT: 26.42 min Scan# 5854
Delta R.T. -0.00 min
Lab File: BN013953.D
Acq: 16 Mar 2021 14:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.8	20.8	31.2
277	29.0	19.4	29.2

