

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102021\
 Data File : BN017016.D
 Acq On : 20 Oct 2021 12:22
 Operator : CG/JU
 Sample : M3263-04
 Misc : SFAM-SIM-MDL-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

Manual Integrations
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 10/21/2021 11:18:53 AM

Quant Time: Oct 20 12:54:49 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN101921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 20 10:49:43 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	2166	0.40	ng/ul	0.00
4) Naphthalene-d8	10.322	136	7905	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.199	164	4463	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.957	188	9431	0.40	ng/ul	0.00
17) Chrysene-d12	21.165	240	9824	0.40	ng/ul	0.00
23) Perylene-d12	23.375	264	11247	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.076	96	1632	0.69	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.928	152	3613	0.32	ng/ul	0.00
18) Fluoranthene-d10	18.995	212	9631	0.40	ng/ul	0.00
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.110	88	226m	0.08	ng/ul	
5) Naphthalene	10.372	128	1573	0.07	ng/ul#	90
7) 2-Methylnaphthalene	12.000	142	907	0.06	ng/ul	100
8) 1-Methylnaphthalene	12.220	142	965	0.06	ng/ul	99
10) Acenaphthylene	13.916	152	1194	0.07	ng/ul#	88
11) Acenaphthene	14.263	153	1066	0.07	ng/ul	98
12) Fluorene	15.263	166	1128	0.06	ng/ul#	95
14) Pentachlorophenol	16.620	266	141	0.06	ng/ul	96
15) Phenanthrene	17.000	178	2111	0.07	ng/ul#	93
16) Anthracene	17.088	178	1509	0.06	ng/ul#	88
19) Fluoranthene	19.023	202	2576	0.08	ng/ul#	94
20) Pyrene	19.385	202	2602	0.08	ng/ul#	92
21) Benzo(a)anthracene	21.151	228	1969	0.06	ng/ul	95
22) Chrysene	21.200	228	2720	0.07	ng/ul	97
24) Benzo(b)fluoranthene	22.714	252	2747	0.06	ng/ul	83
25) Benzo(k)fluoranthene	22.758	252	3342	0.07	ng/ul#	79
26) Benzo(a)pyrene	23.278	252	2536	0.07	ng/ul#	75
27) Indeno(1,2,3-cd)pyrene	25.610	276	3682	0.07	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.633	278	2828	0.07	ng/ul#	83
29) Benzo(g,h,i)perylene	26.284	276	3124	0.07	ng/ul	93

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

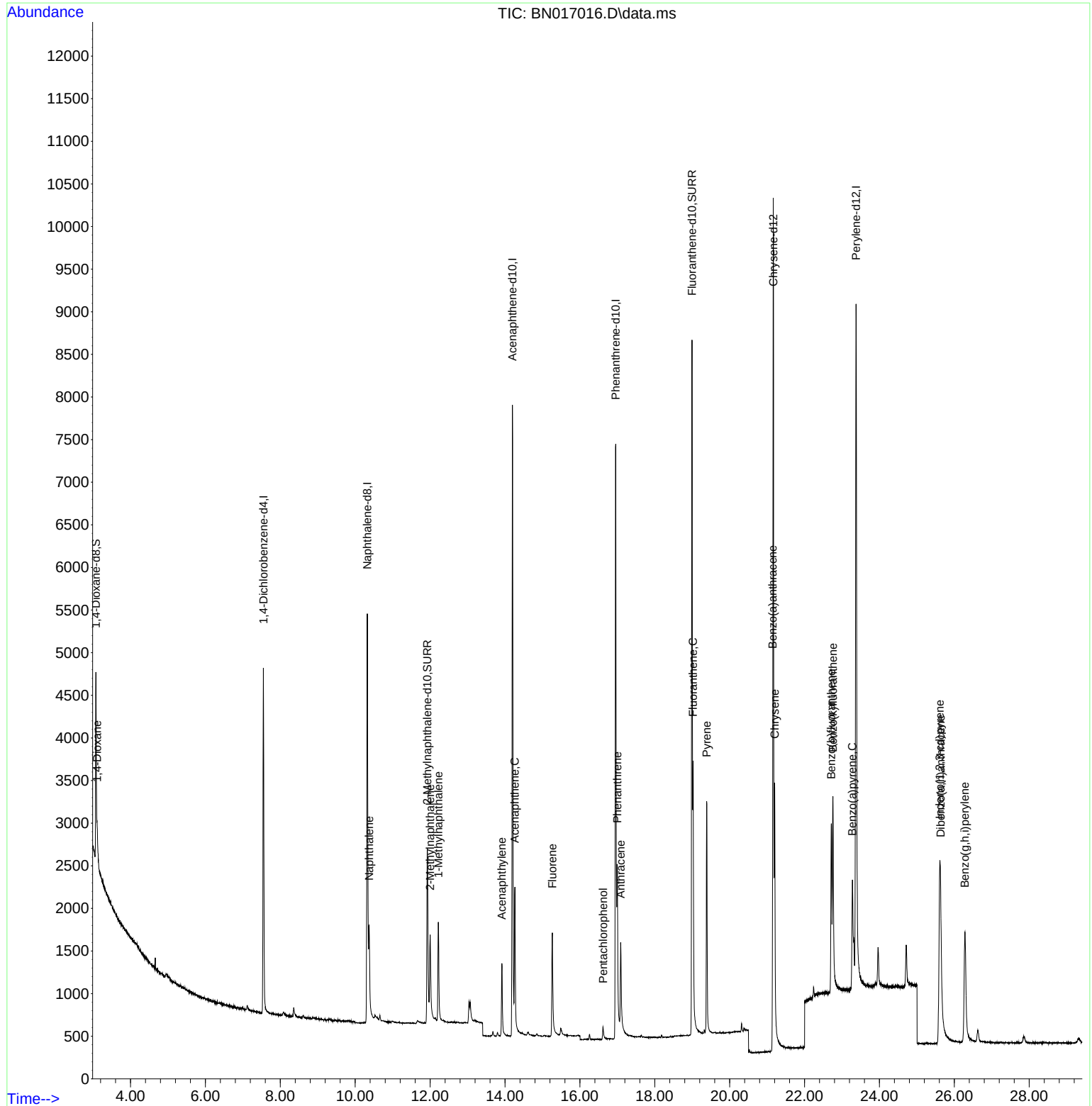
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Data File : BN017016.D
Acq On : 20 Oct 2021 12:22
Operator : CG/JU
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ALS Vial : 6 Sample Multiplier: 1

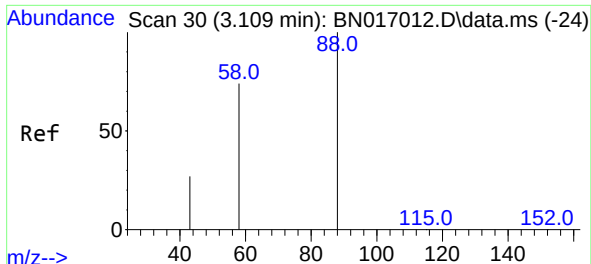
Instrument :
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MDL-SOIL-QT4-2021-08

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Quant Time: Oct 20 12:54:49 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN101921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 20 10:49:43 2021
Response via : Initial Calibration





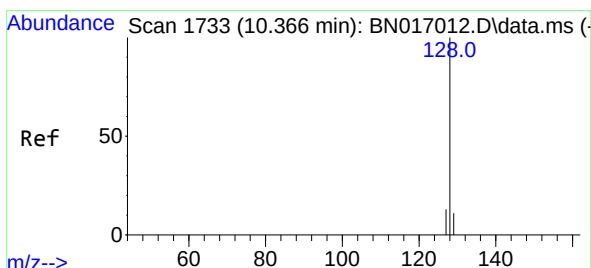
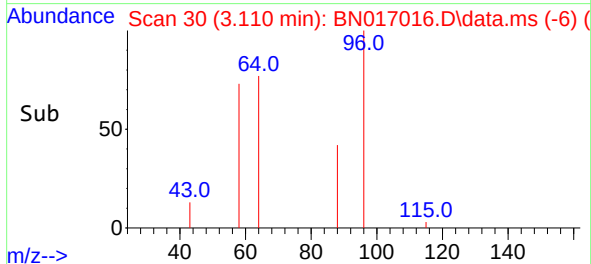
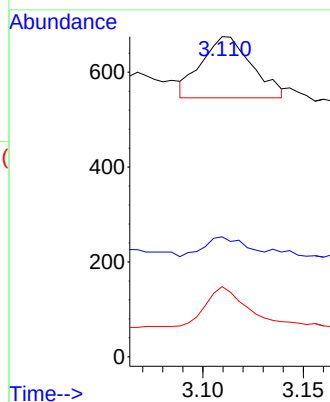
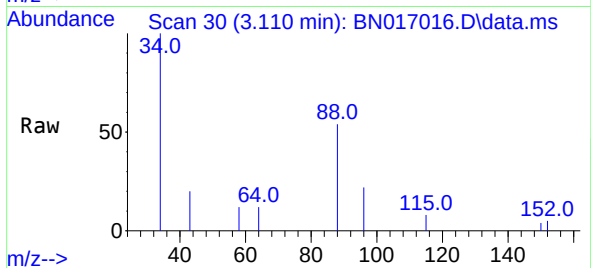
#2
1,4-Dioxane
Concen: 0.08 ng/ul m
RT: 3.110 min Scan# 30
Delta R.T. 0.001 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22

Tgt Ion: 88 Resp: 226
Ion Ratio Lower Upper
88 100
43 37.5 85.8 128.8#
58 21.9 38.0 57.0#

Instrument :
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MDL-SOIL-QT4-2021-08

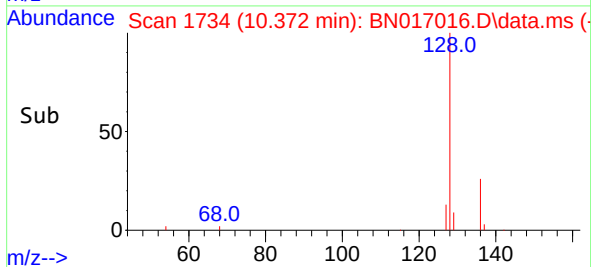
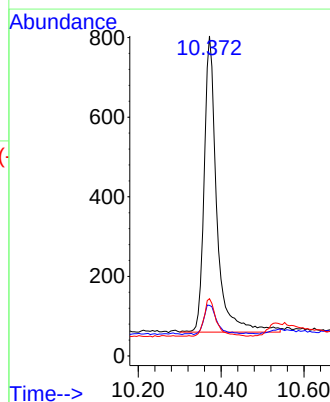
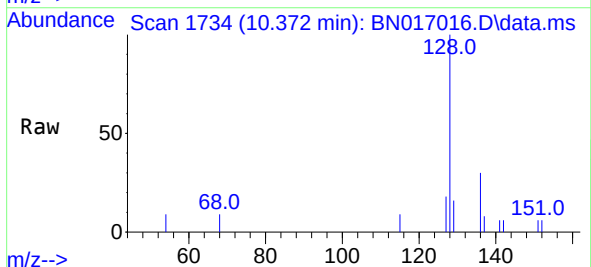
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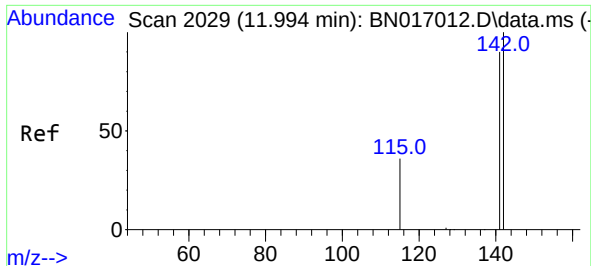
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#5
Naphthalene
Concen: 0.07 ng/ul
RT: 10.372 min Scan# 1734
Delta R.T. 0.006 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22

Tgt Ion: 128 Resp: 1573
Ion Ratio Lower Upper
128 100
129 15.8 9.6 14.4#
127 17.9 11.0 16.4#





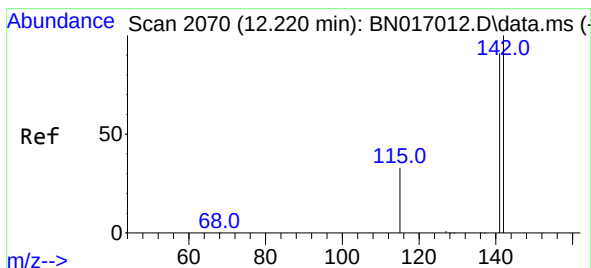
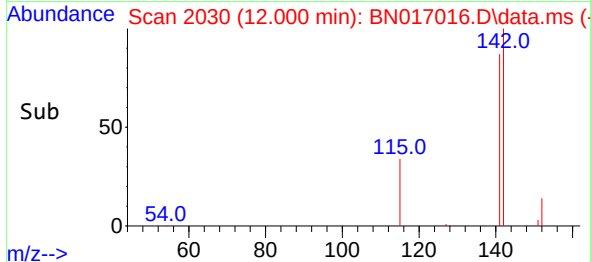
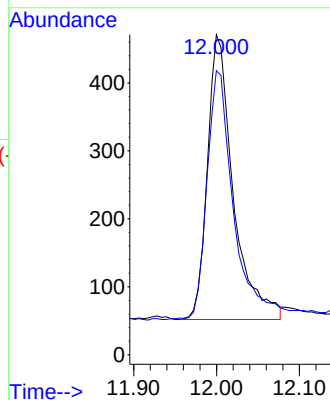
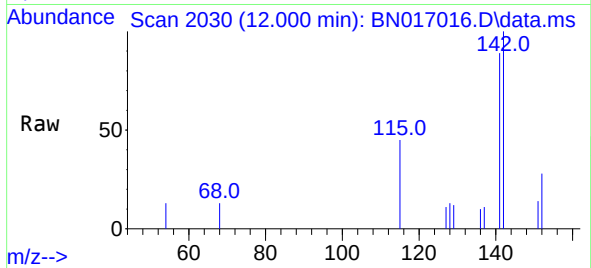
#7
2-Methylnaphthalene
Concen: 0.06 ng/ul
RT: 12.000 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22

Tgt Ion:142 Resp: 907
Ion Ratio Lower Upper
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141 89.6 71.4 107.0

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2021-08

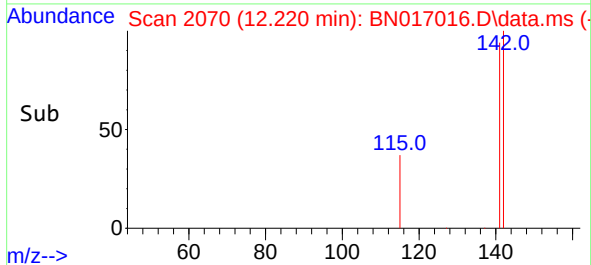
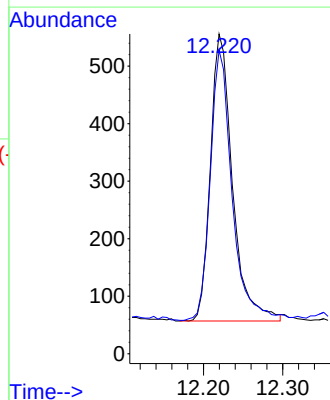
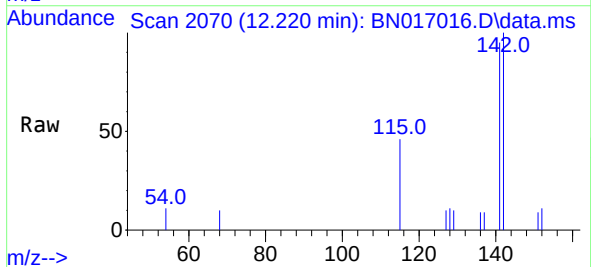
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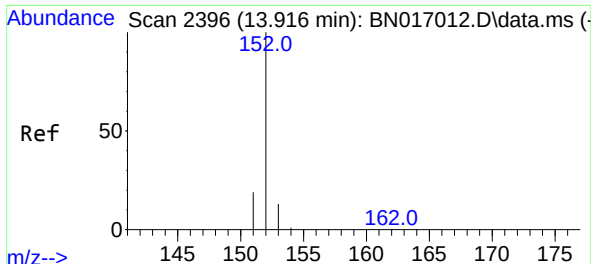
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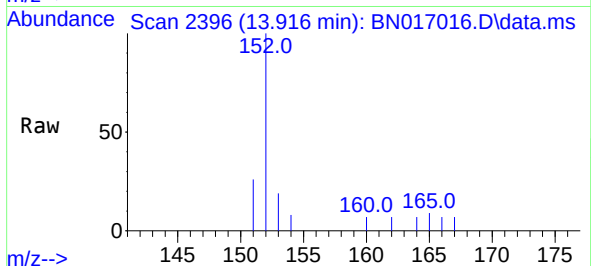
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1-Methylnaphthalene
Concen: 0.06 ng/ul
RT: 12.220 min Scan# 2070
Delta R.T. 0.000 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22

Tgt Ion:142 Resp: 965
Ion Ratio Lower Upper
142 100
141 92.8 73.7 110.5

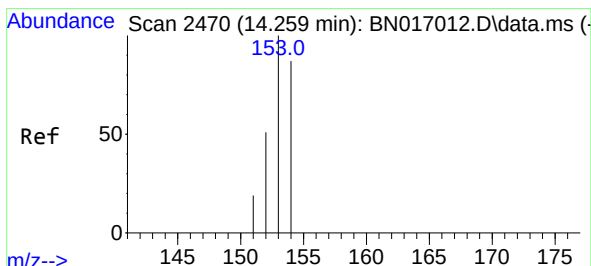
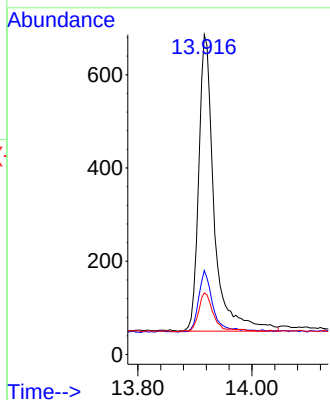
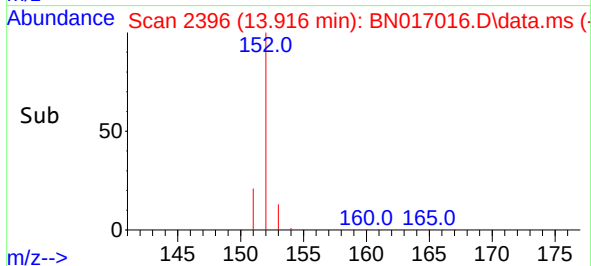




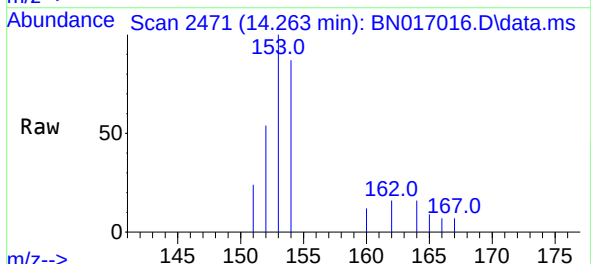
#10
Acenaphthylene
Concen: 0.07 ng/ul
RT: 13.916 min Scan# 2396
Delta R.T. 0.000 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22



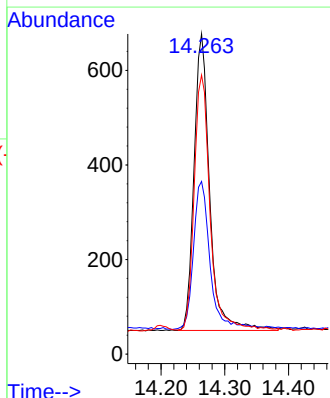
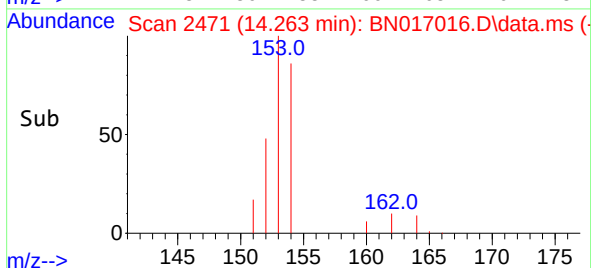
Tgt Ion:152 Resp: 1194
Ion Ratio Lower Upper
152 100
151 26.2 16.4 24.6#
153 19.2 11.3 16.9#



#11
Acenaphthene
Concen: 0.07 ng/ul
RT: 14.263 min Scan# 2471
Delta R.T. 0.005 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22



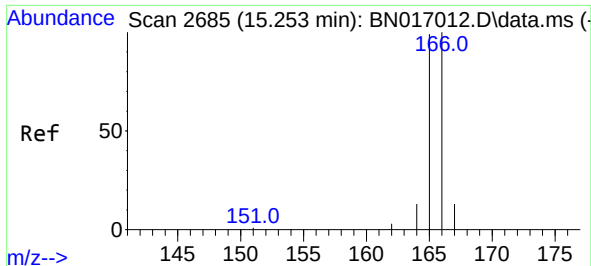
Tgt Ion:153 Resp: 1066
Ion Ratio Lower Upper
153 100
152 53.9 40.7 61.1
154 87.1 70.7 106.1



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MDL-SOIL-QT4-2021-08

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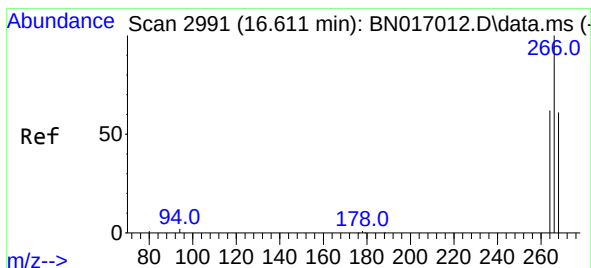
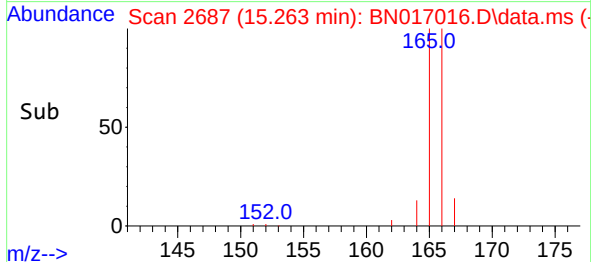
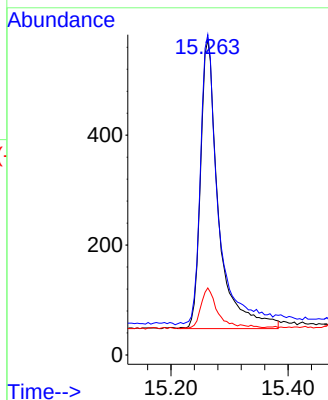
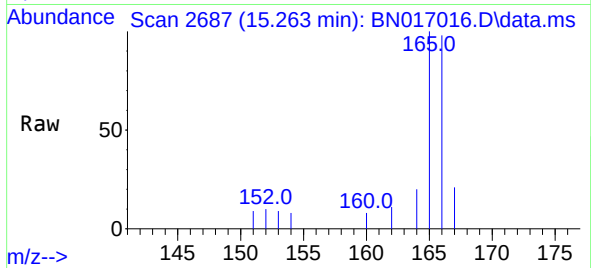
#12
Fluorene
Concen: 0.06 ng/ul
RT: 15.263 min Scan# 2687
Delta R.T. 0.009 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22

Tgt Ion:166 Resp: 1128
Ion Ratio Lower Upper
166 100
165 101.6 79.0 118.4
167 21.3 11.2 16.8#

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2021-08

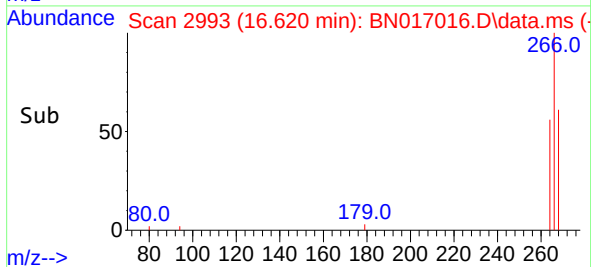
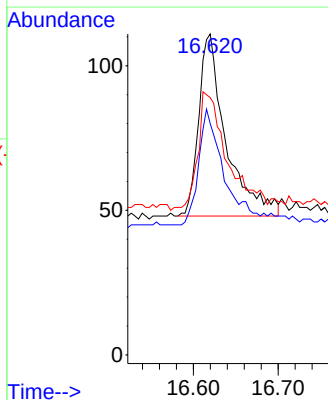
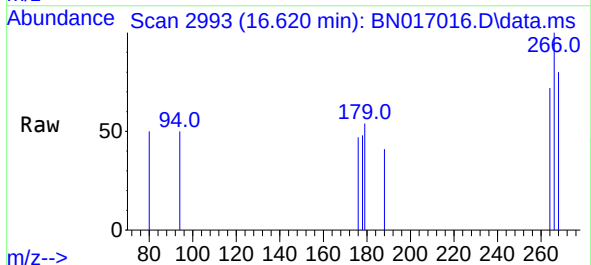
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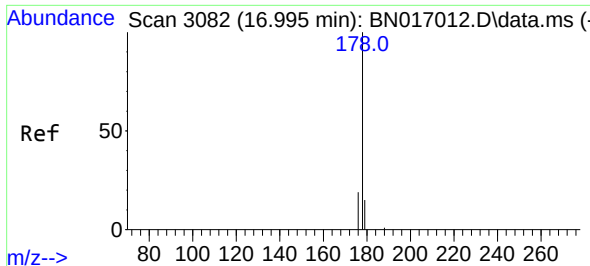
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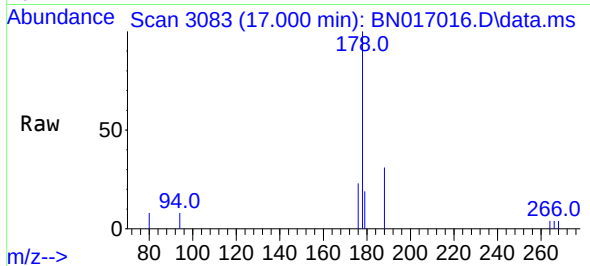
#14
Pentachlorophenol
Concen: 0.06 ng/ul
RT: 16.620 min Scan# 2993
Delta R.T. 0.009 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22

Tgt Ion:266 Resp: 141
Ion Ratio Lower Upper
266 100
264 61.0 49.8 74.6
268 67.4 50.5 75.7

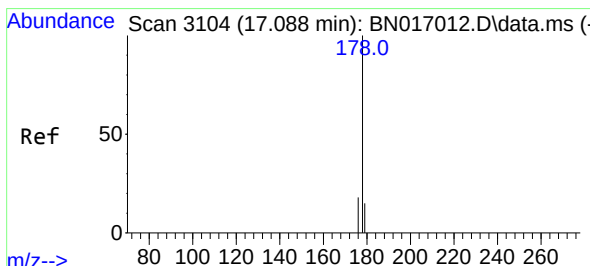
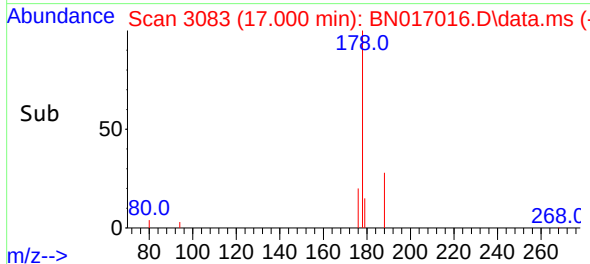
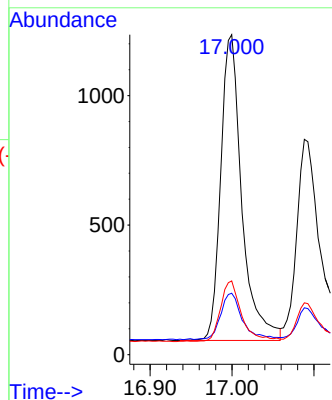




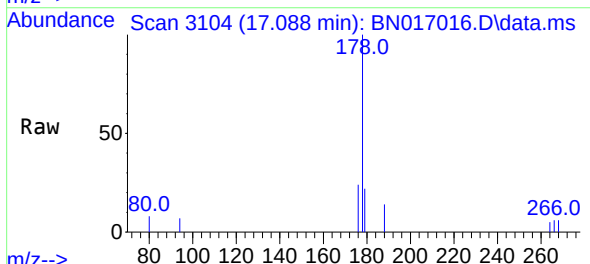
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Phenanthrene
Concen: 0.07 ng/ul
RT: 17.000 min Scan# 3083
Delta R.T. 0.004 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22



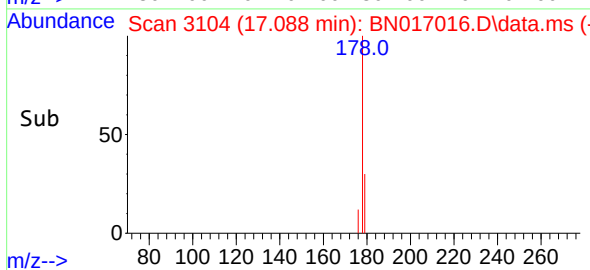
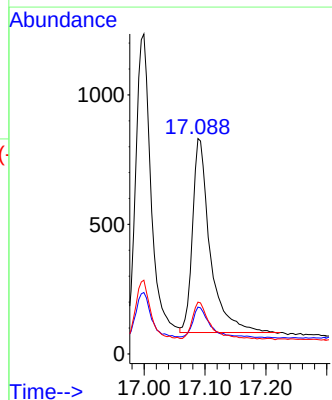
Tgt Ion:178 Resp: 2111
Ion Ratio Lower Upper
178 100
179 19.2 12.6 19.0#
176 23.1 15.9 23.9



#16
Anthracene
Concen: 0.06 ng/ul
RT: 17.088 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22



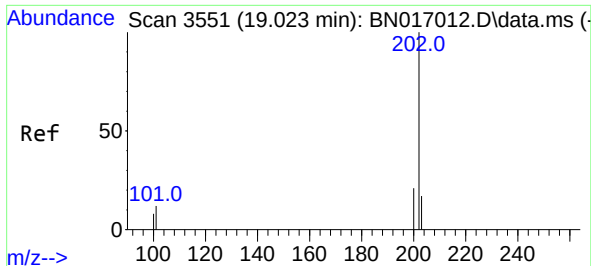
Tgt Ion:178 Resp: 1509
Ion Ratio Lower Upper
178 100
179 21.8 12.9 19.3#
176 24.1 15.0 22.6#



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MDL-SOIL-QT4-2021-08

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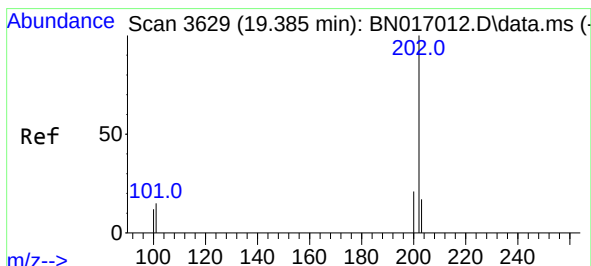
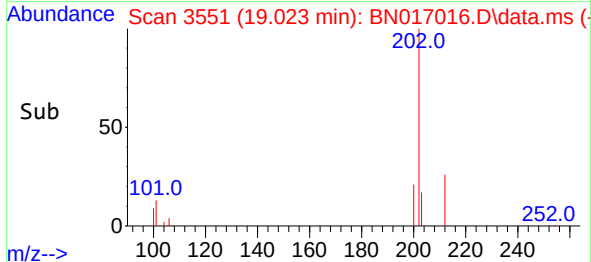
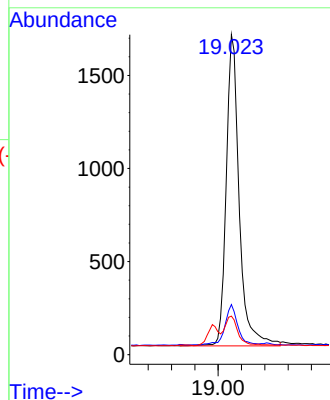
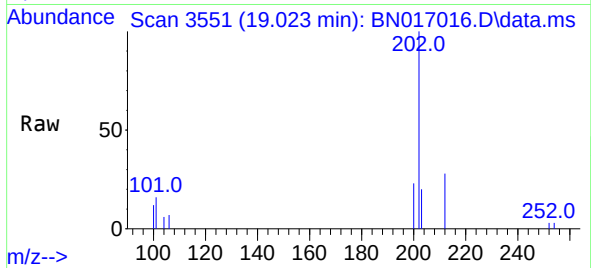
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Fluoranthene
Concen: 0.08 ng/ul
RT: 19.023 min Scan# 3551
Delta R.T. 0.000 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22

Tgt Ion:	202	Resp:	2576
Ion	Ratio	Lower	Upper
202	100		
101	15.6	10.6	16.0
100	12.0	7.9	11.9#

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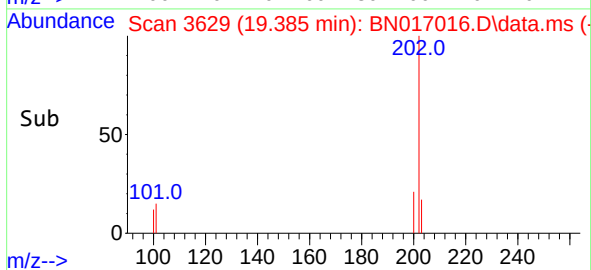
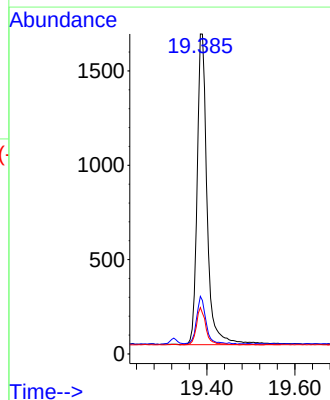
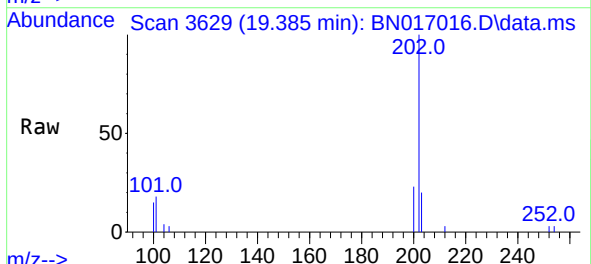
Manual Integrations
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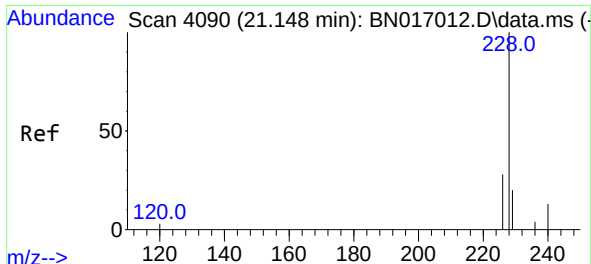
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#20
Pyrene
Concen: 0.08 ng/ul
RT: 19.385 min Scan# 3629
Delta R.T. 0.000 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22

Tgt Ion:	202	Resp:	2602
Ion	Ratio	Lower	Upper
202	100		
101	18.0	11.6	17.4#
100	14.5	9.3	13.9#





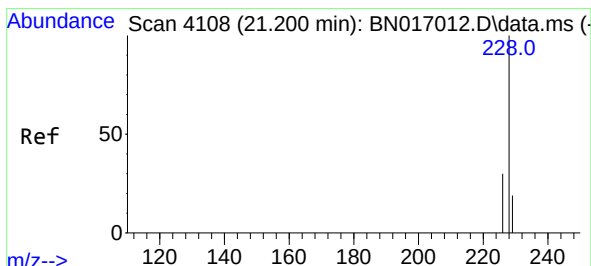
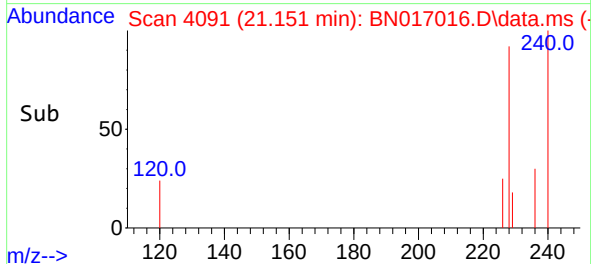
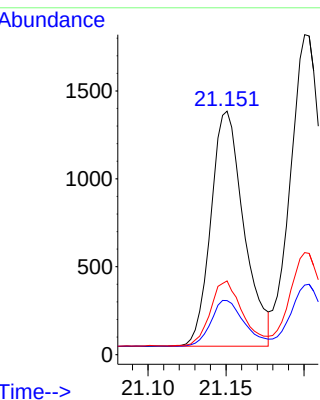
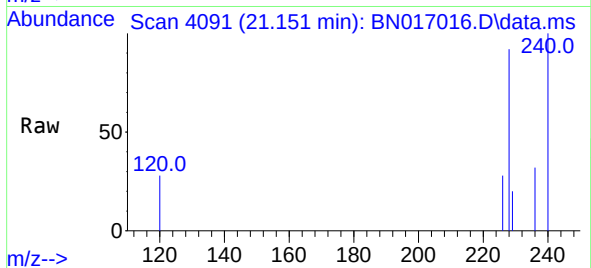
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Benzo(a)anthracene
Concen: 0.06 ng/u1
RT: 21.151 min Scan# 4091
Delta R.T. 0.003 min
Lab File: BN017016.D
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Tgt Ion:	228	Resp:	1969
Ion Ratio	Lower	Upper	
228	100		
229	22.2	15.9	23.9
226	30.3	22.0	33.0

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MDL-SOIL-QT4-2021-08

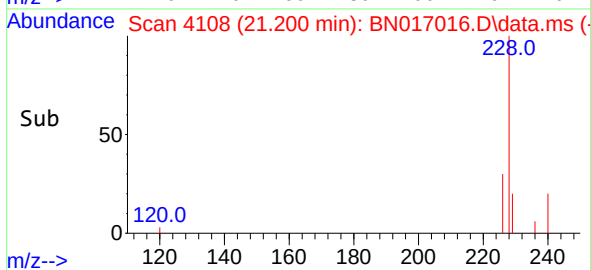
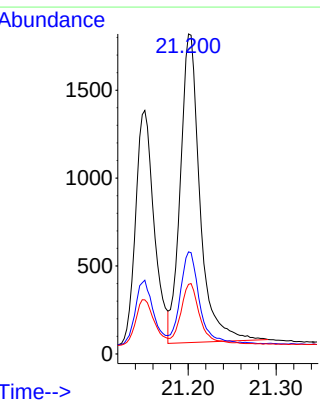
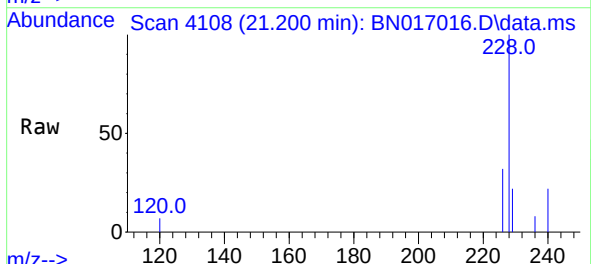
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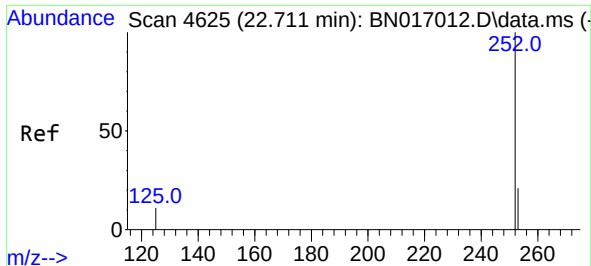
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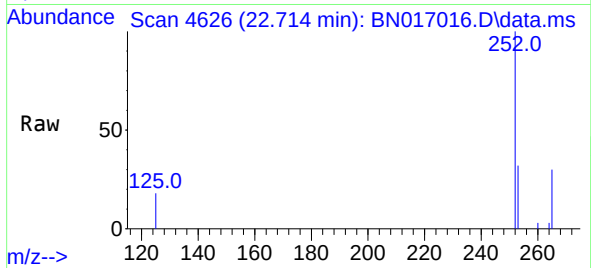
#22
Chrysene
Concen: 0.07 ng/u1
RT: 21.200 min Scan# 4108
Delta R.T. 0.000 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22

Tgt Ion:	228	Resp:	2720
Ion Ratio	Lower	Upper	
228	100		
226	31.9	24.5	36.7
229	21.8	15.8	23.8

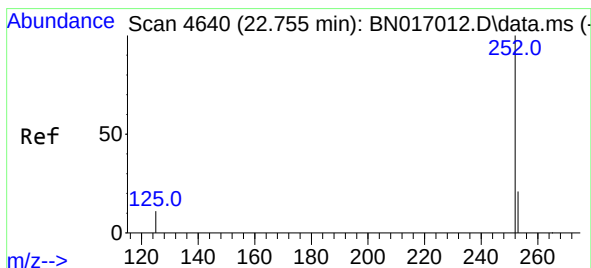
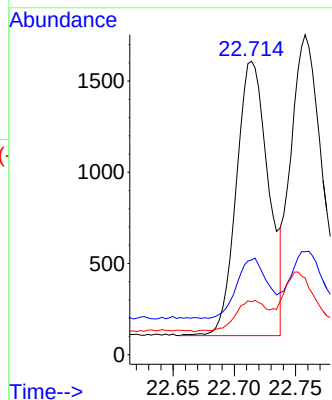




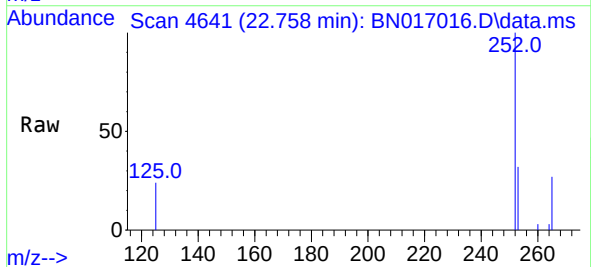
#24
Benzo(b)fluoranthene
Concen: 0.06 ng/u1
RT: 22.714 min Scan# 4626
Delta R.T. 0.003 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22



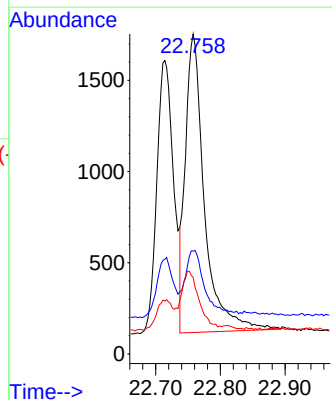
Tgt Ion:252 Resp: 2747
Ion Ratio Lower Upper
252 100
253 32.3 0.0 47.4
125 18.0 0.0 24.6



#25
Benzo(k)fluoranthene
Concen: 0.07 ng/u1
RT: 22.758 min Scan# 4641
Delta R.T. 0.003 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22



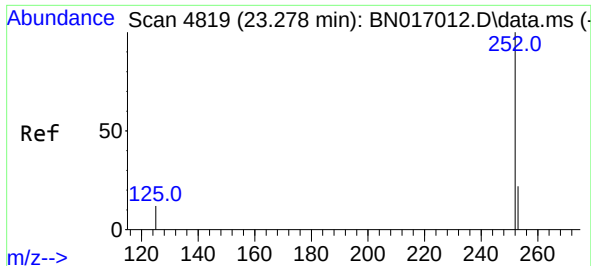
Tgt Ion:252 Resp: 3342
Ion Ratio Lower Upper
252 100
253 32.2 19.2 28.8#
125 23.9 9.7 14.5#



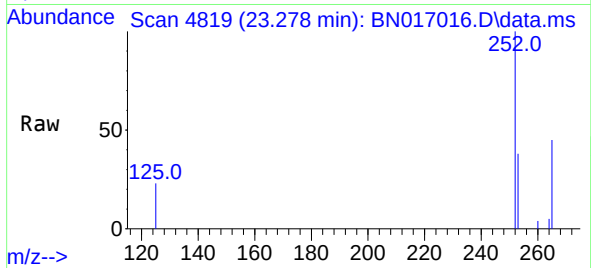
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2021-08

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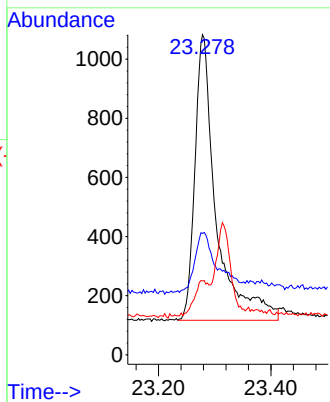
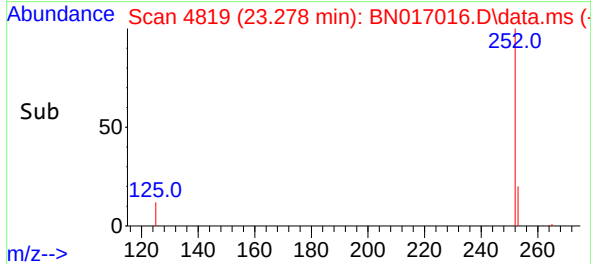
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#26
Benzo(a)pyrene
Concen: 0.07 ng/u1
RT: 23.278 min Scan# 4819
Delta R.T. 0.000 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22



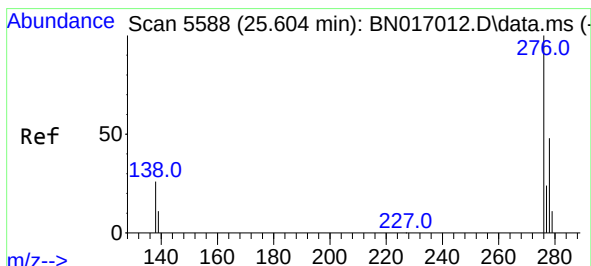
Tgt Ion:252 Resp: 2536
Ion Ratio Lower Upper
252 100
253 38.0 19.8 29.6#
125 23.1 10.9 16.3#



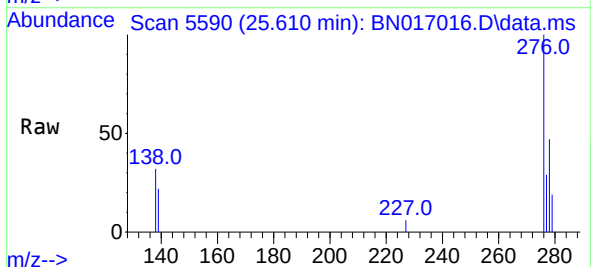
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2021-08

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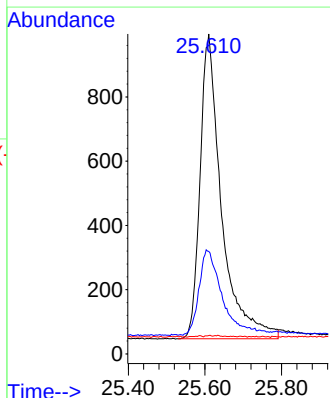
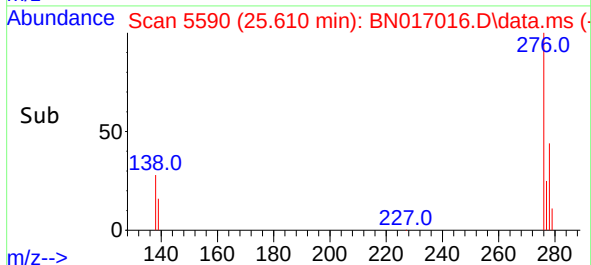
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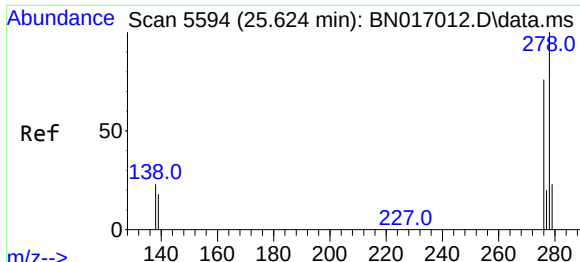


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.07 ng/u1
RT: 25.610 min Scan# 5590
Delta R.T. 0.006 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22

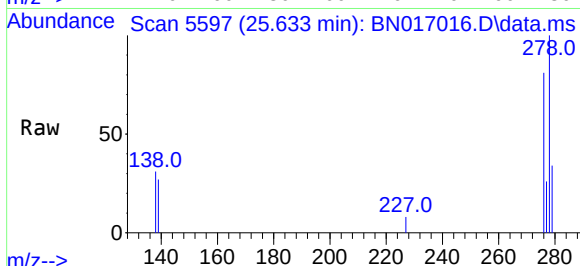


Tgt Ion:276 Resp: 3682
Ion Ratio Lower Upper
276 100
138 31.0 21.8 32.8
227 0.1 0.2 0.2#



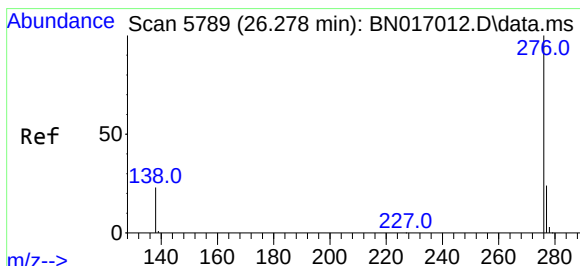
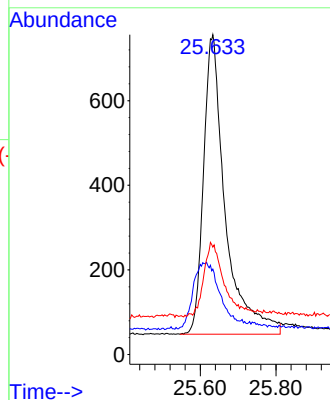
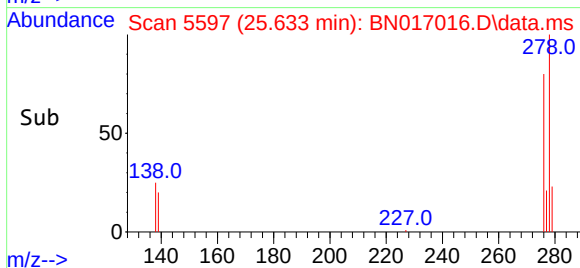


#28
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 25.633 min Scan# 5597
Delta R.T. 0.010 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22

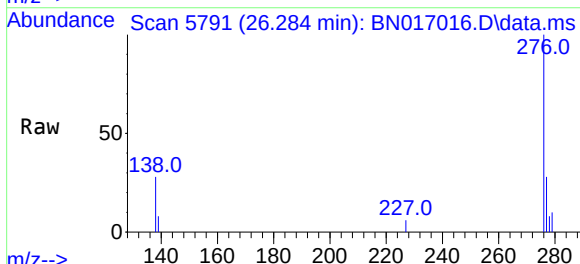


Tgt Ion: 278 Resp: 2828

Ion	Ratio	Lower	Upper
278	100		
139	26.7	15.2	22.8#
279	33.6	19.9	29.9#

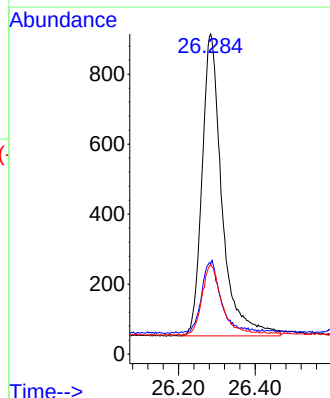
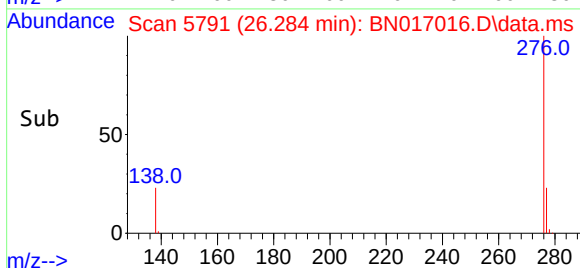


#29
Benzo(g,h,i)perylene
Concen: 0.07 ng/ul
RT: 26.284 min Scan# 5791
Delta R.T. 0.006 min
Lab File: BN017016.D
Acq: 20 Oct 2021 12:22



Tgt Ion: 276 Resp: 3124

Ion	Ratio	Lower	Upper
276	100		
138	28.3	19.8	29.6
277	28.0	19.4	29.0



Instrument :
BNA_N
ClientSampleId :
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