

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012120\
 Data File : BN009410.D
 Acq On : 21 Jan 2020 12:16
 Operator : JU
 Sample : K5111-03
 Misc : 0.1 MDL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Manual Integrations
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 1/23/2020 7:56:57 AM

Quant Time: Jan 21 16:20:18 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jan 21 16:08:29 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	1241	0.40	ng	0.00
7) Naphthalene-d8	10.24	136	4022	0.40	ng	0.01
13) Acenaphthene-d10	14.11	164	2585	0.40	ng	0.00
19) Phenanthrene-d10	16.86	188	5928	0.40	ng	0.00
27) Chrysene-d12	21.07	240	5366	0.40	ng	0.00
34) Perylene-d12	23.19	264	5441	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.12	112	936	0.33	ng	0.00
5) Phenol-d6	6.70	99	920	0.28	ng	0.02
8) Nitrobenzene-d5	8.66	82	917	0.29	ng	0.03
11) 2-Methylnaphthalene-d10	11.85	152	2103	0.27	ng	0.02
14) 2,4,6-Tribromophenol	15.64	330	272	0.28	ng	0.01
15) 2-Fluorobiphenyl	12.74	172	2970	0.31	ng	0.01
25) Fluoranthene-d10	18.90	212	5407	0.27	ng	0.00
29) Terphenyl-d14	19.52	244	4483	0.35	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.14	88	121	0.093	ng	# 66
3) n-Nitrosodimethylamine	3.48	42	118m	0.059	ng	
6) bis(2-Chloroethyl)ether	6.94	93	214m	0.063	ng	
9) Naphthalene	10.29	128	976	0.090	ng	# 72
10) Hexachlorobutadiene	10.57	225	215	0.090	ng	# 99
12) 2-Methylnaphthalene	11.92	142	642	0.085	ng	# 90
16) Acenaphthylene	13.83	152	907	0.081	ng	98
17) Acenaphthene	14.18	154	659	0.084	ng	98
18) Fluorene	15.18	166	855	0.084	ng	99
20) 4-Bromophenyl-phenylether	16.08	248	251	0.070	ng	# 86
21) Hexachlorobenzene	16.17	284	326	0.086	ng	94
22) Pentachlorophenol	16.57	266	166	0.156	ng	89
23) Phenanthrene	16.91	178	1434	0.081	ng	98
24) Anthracene	17.01	178	1091	0.073	ng	99
26) Fluoranthene	18.93	202	1854	0.089	ng	99
28) Pyrene	19.30	202	1881	0.092	ng	100
30) Benzo(a)anthracene	21.06	228	1274	0.072	ng	# 92
31) Chrysene	21.10	228	1898	0.094	ng	92
32) Bis(2-ethylhexyl)phthalate	21.01	149	723	0.093	ng	# 94
33) Indeno(1,2,3-cd)pyrene	25.28	276	1690	0.081	ng	# 87
35) Benzo(b)fluoranthene	22.57	252	1544	0.077	ng	# 56
36) Benzo(k)fluoranthene	22.61	252	2000	0.091	ng	# 57
37) Benzo(a)pyrene	23.11	252	1464	0.083	ng	# 38
38) Dibenzo(a,h)anthracene	25.30	278	1321m	0.075	ng	
39) Benzo(g,h,i)perylene	25.90	276	1604	0.082	ng	# 81

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

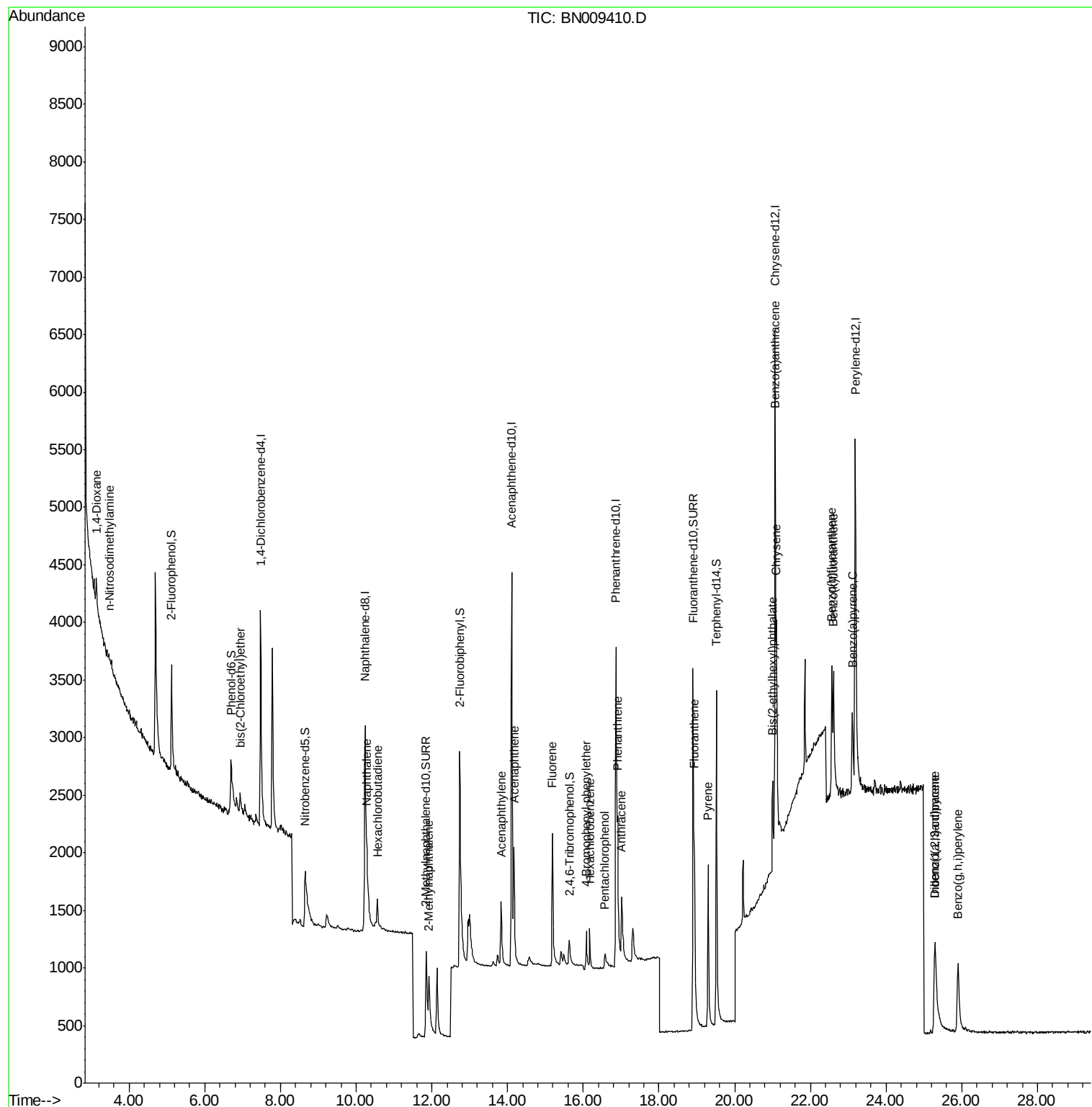
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012120\
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Manual Integrations
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 QLast Update : Tue Jan 21 16:08:29 2020
 Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.48 min Scan# 577

Delta R.T. -0.00 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Instrument :

BNA_N

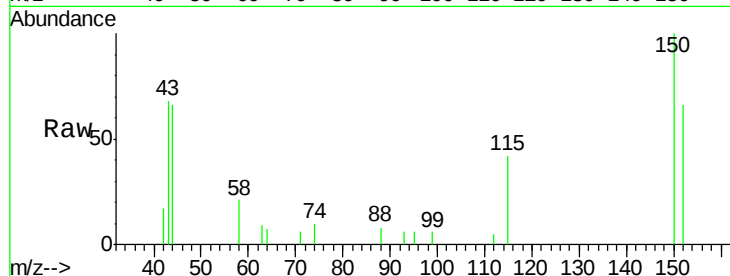
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

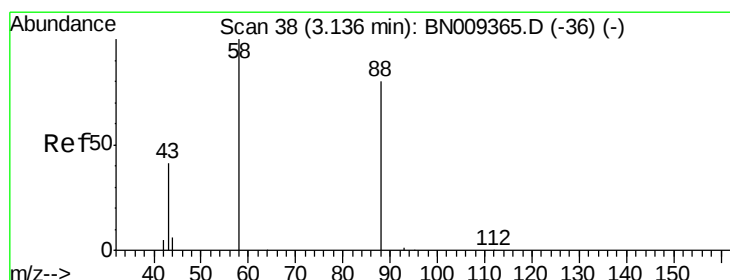
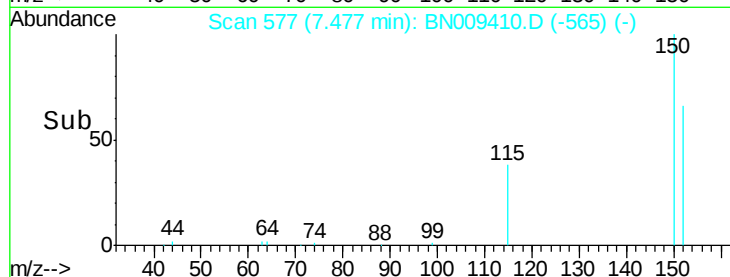
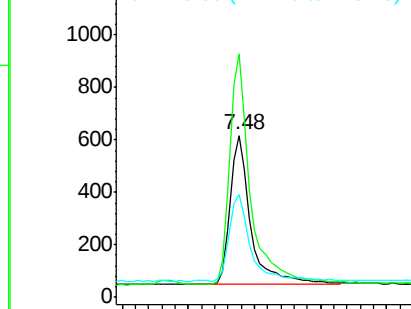
Tot Ion:	152	Resp:	1241
Ion Ratio	Lower	Upper	
152	100		
150	150.6	125.7	188.5
115	63.3	53.3	79.9

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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: 0.093 ng

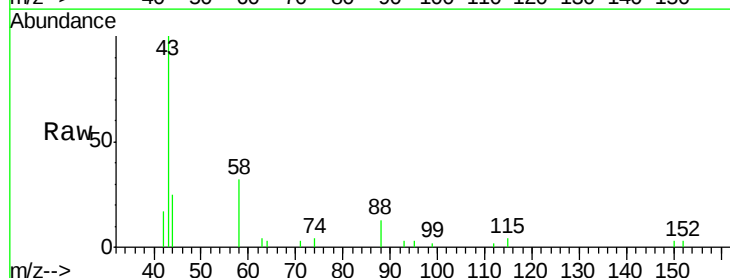
RT: 3.14 min Scan# 38

Delta R.T. -0.00 min

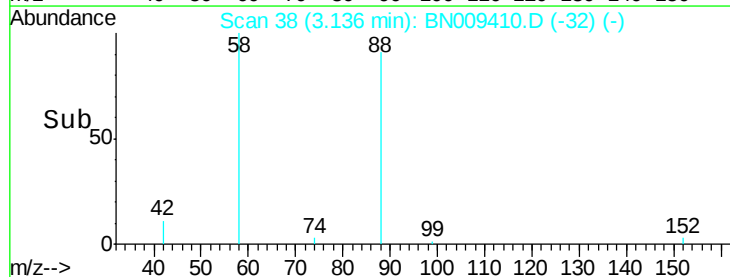
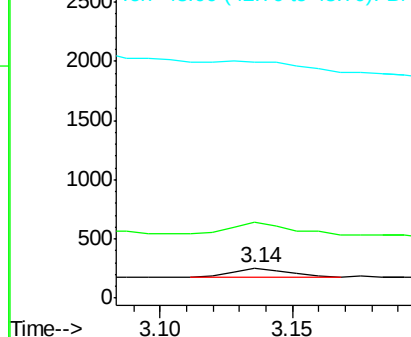
Lab File: BN009410.D

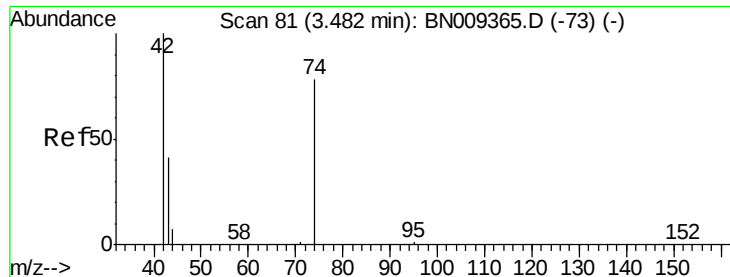
Acq: 21 Jan 2020 12:16

Tgt Ion:	88	Resp:	121
Ion Ratio	Lower	Upper	
88	100		
58	143.0	100.2	150.2
43	0.0	43.1	64.7#



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

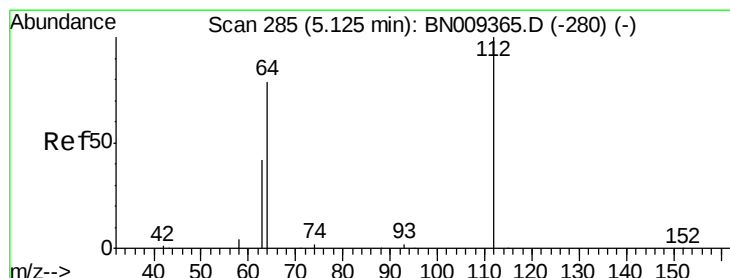
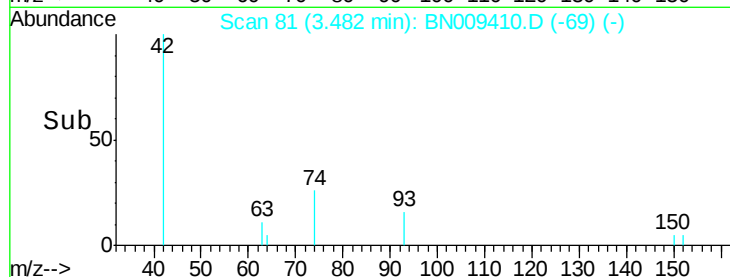
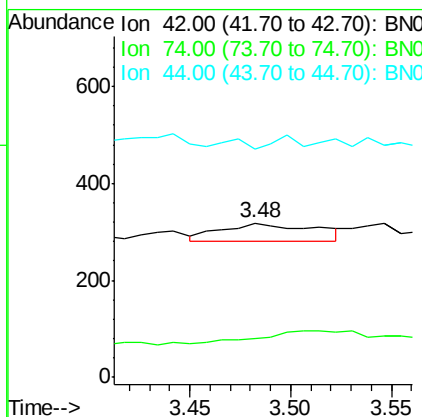
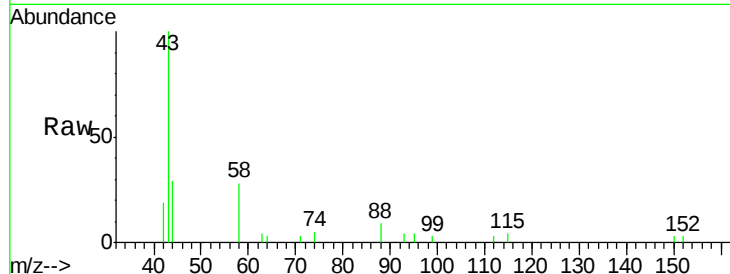
n-Nitrosodimethylamine
 Concen: 0.059 ng/ml
 RT: 3.48 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: BN009410.D
 Acq: 21 Jan 2020 12:16

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	55.8	83.8#
44	13.6	11.1	16.7

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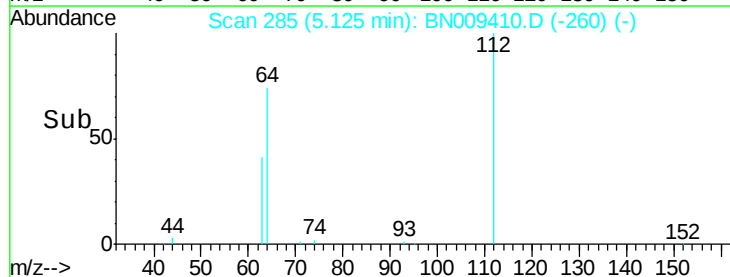
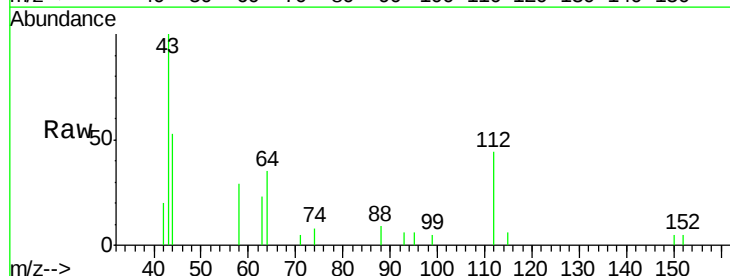
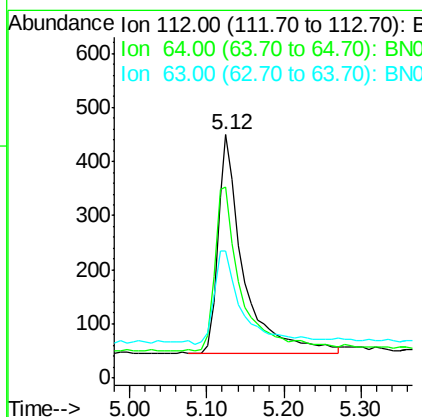
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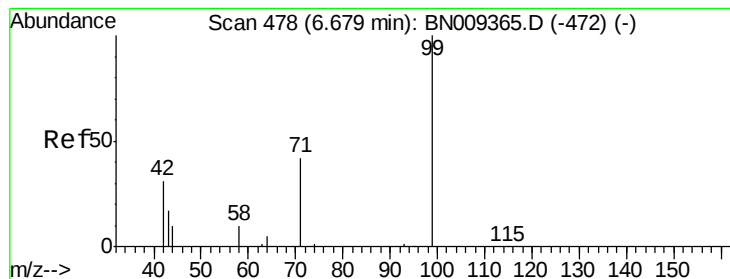


#4

2-Fluorophenol
 Concen: 0.328 ng/ml
 RT: 5.12 min Scan# 285
 Delta R.T. -0.00 min
 Lab File: BN009410.D
 Acq: 21 Jan 2020 12:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	79.0	61.5	92.3
63	46.7	35.0	52.4





#5

Phenol-d6

Concen: 0.278 ng

RT: 6.70 min Scan# 480

Delta R.T. 0.02 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Instrument :

BNA_N

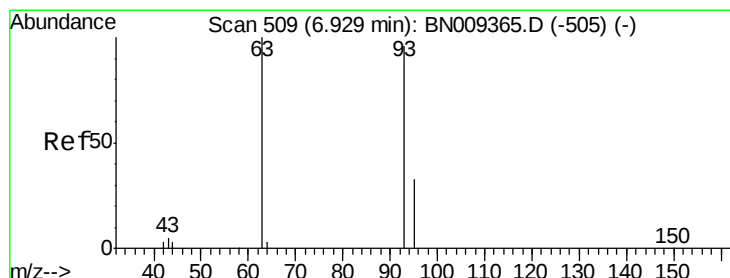
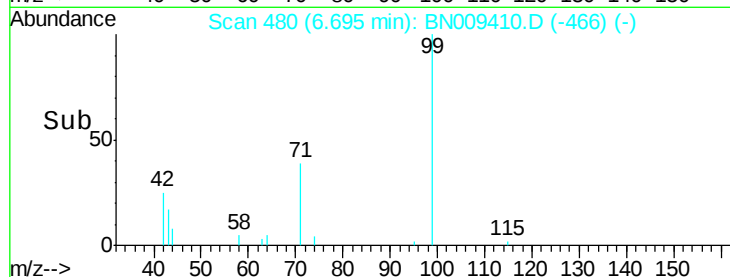
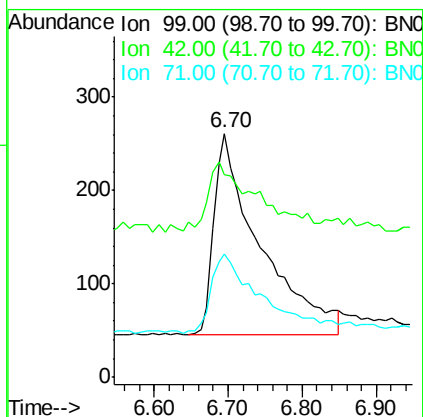
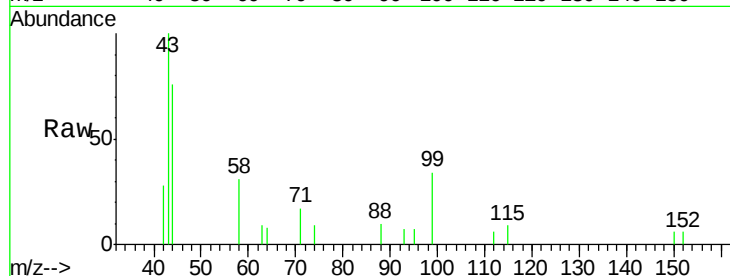
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	99	Resp:	920
Ion	Ratio	Lower	Upper
99	100		
42	37.7	27.6	41.4
71	44.3	33.0	49.6

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#6

bis(2-Chloroethyl)ether

Concen: 0.063 ng m

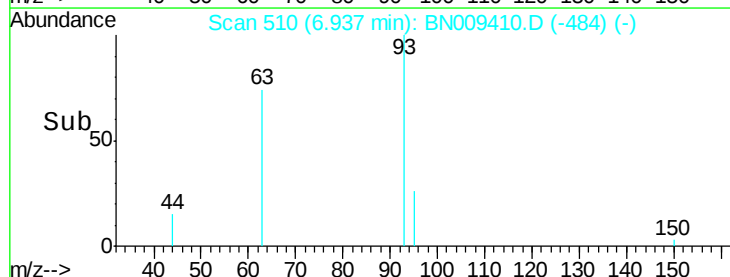
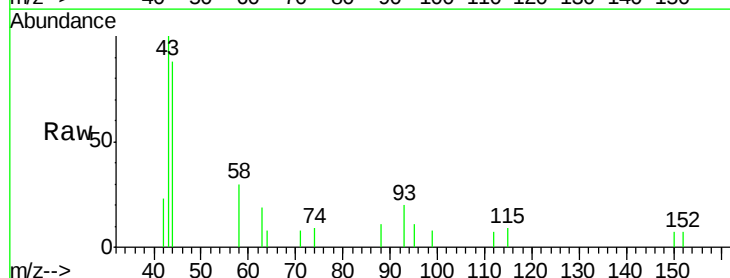
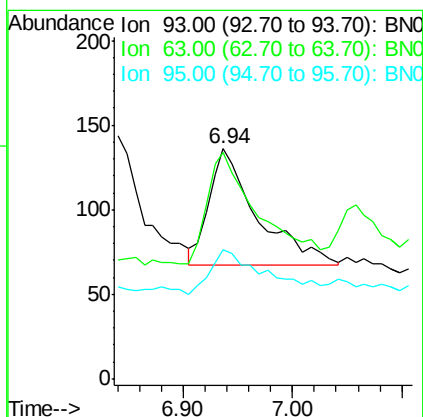
RT: 6.94 min Scan# 510

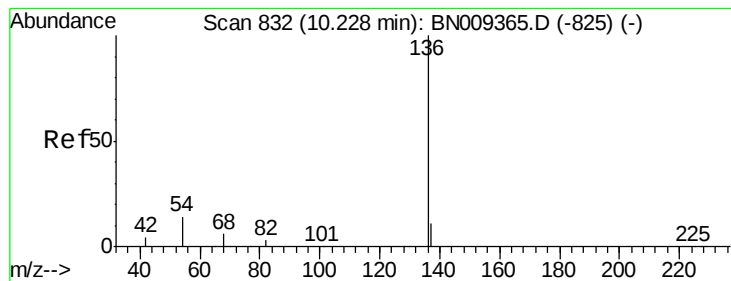
Delta R.T. 0.01 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Tgt Ion:	93	Resp:	214
Ion	Ratio	Lower	Upper
93	100		
63	100.9	85.1	127.7
95	43.0	30.2	45.4





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.24 min Scan# 833

Delta R.T. 0.01 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Instrument :

BNA_N

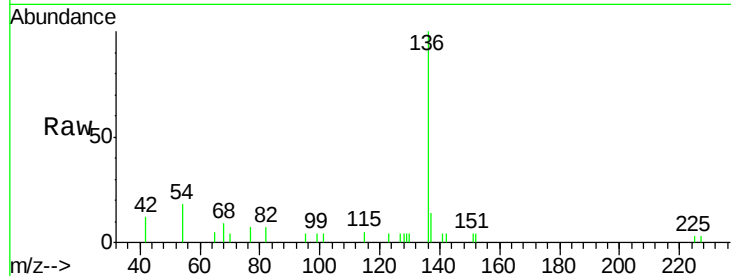
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
136	100		
137	14.3	10.3	15.5
54	17.6	12.6	19.0
68	9.4	6.5	9.7

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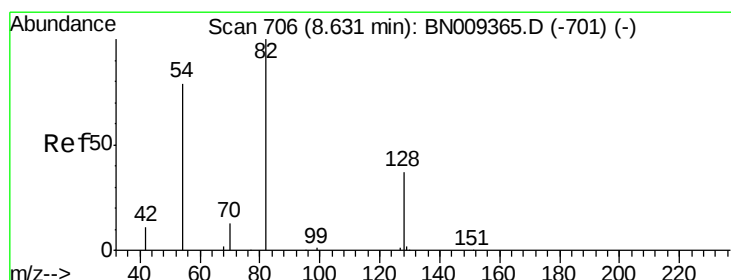
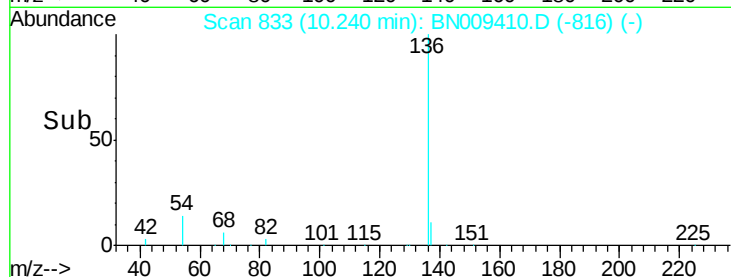
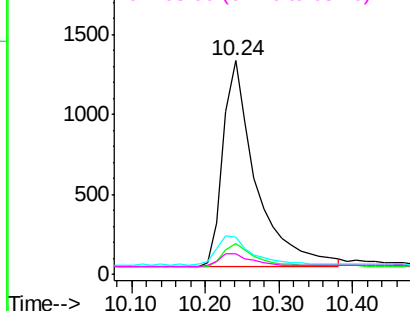


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.286 ng

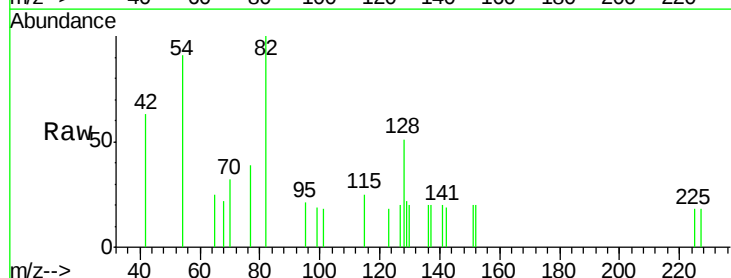
RT: 8.66 min Scan# 708

Delta R.T. 0.03 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

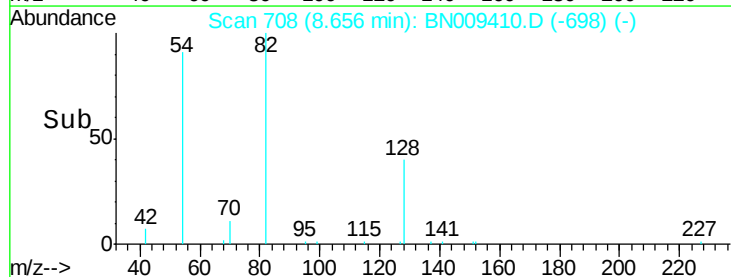
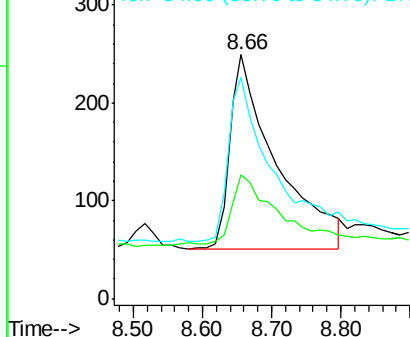
Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.0	34.8	52.2
54	90.8	65.8	98.6

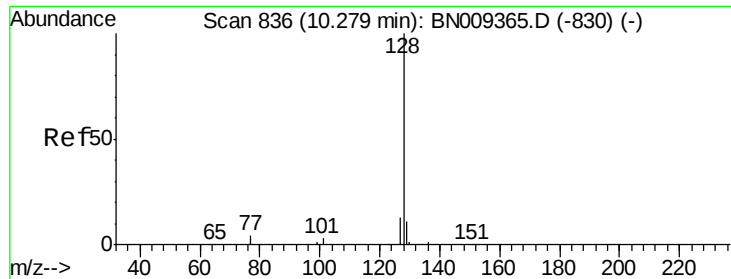


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.090 ng

RT: 10.29 min Scan# 837

Delta R.T. 0.01 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Instrument :

BNA_N

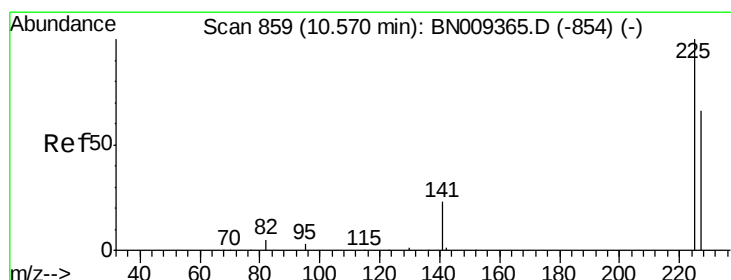
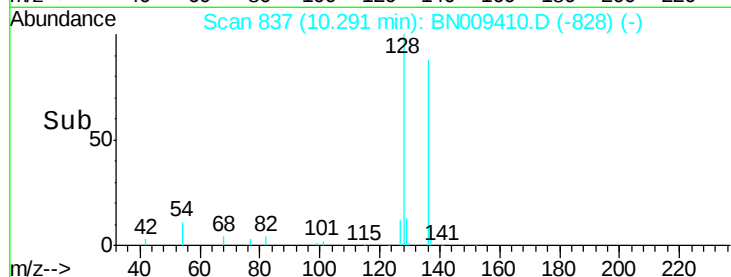
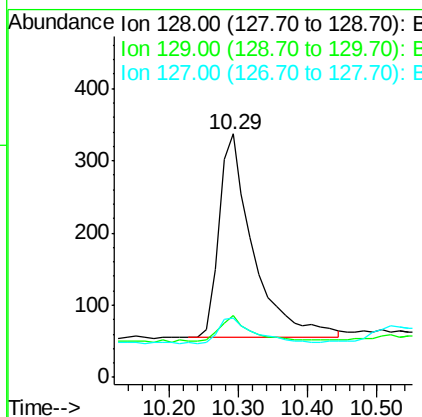
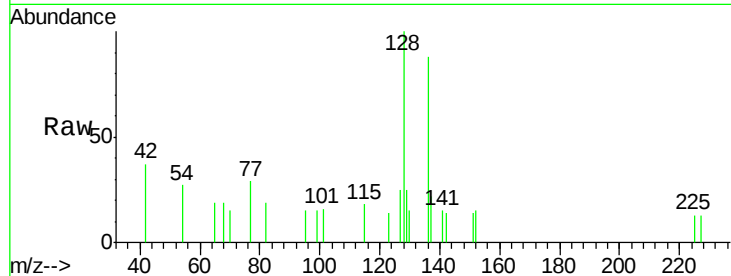
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	128	Resp:	976
Ion	Ratio	Lower	Upper
128	100		
129	25.2	10.4	15.6#
127	24.6	11.4	17.2#

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#10

Hexachlorobutadiene

Concen: 0.090 ng

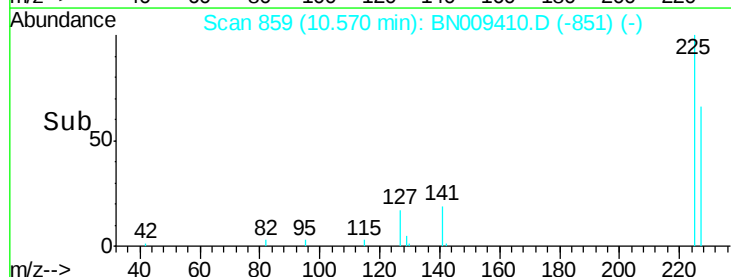
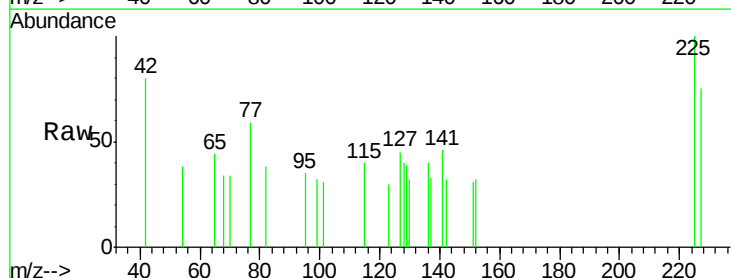
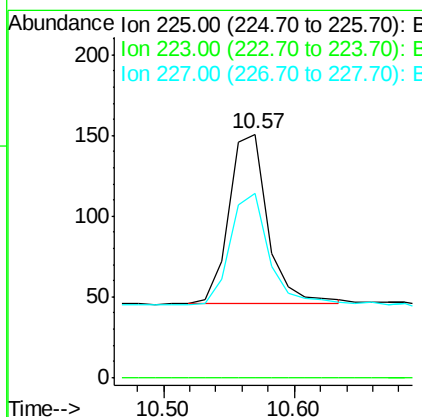
RT: 10.57 min Scan# 859

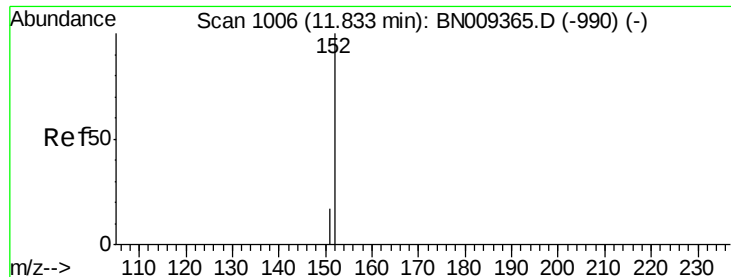
Delta R.T. -0.00 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Tgt Ion:	225	Resp:	215
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	66.5	52.6	78.8





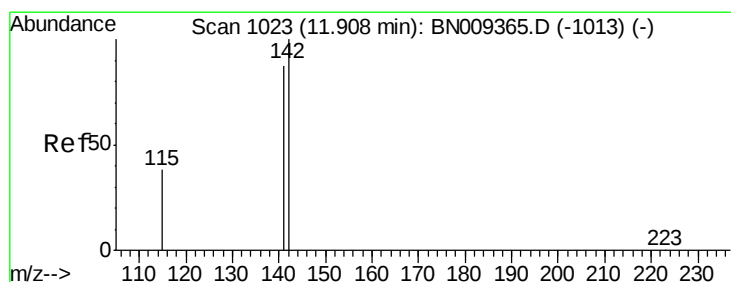
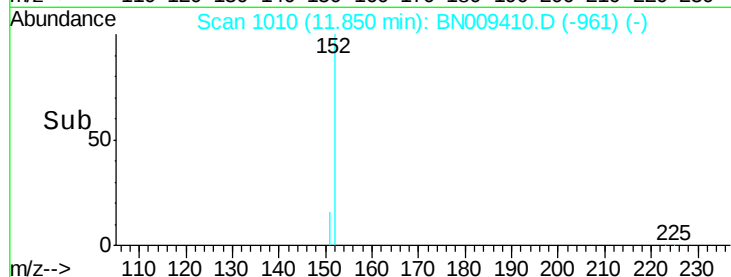
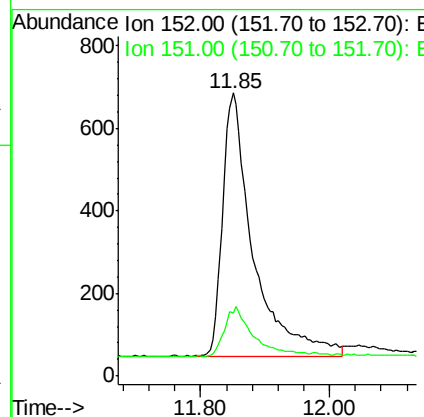
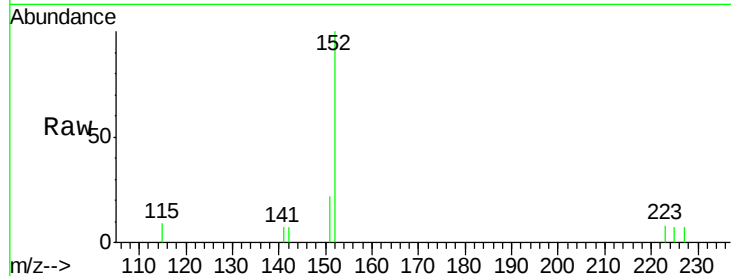
#11
2-Methylnaphthalene-d10
Concen: 0.271 ng
RT: 11.85 min Scan# 1010
Delta R.T. 0.02 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.0	14.8	22.2

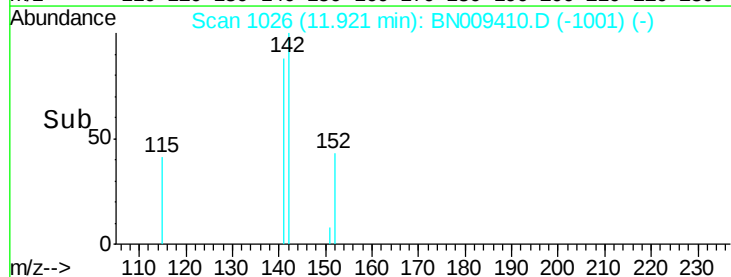
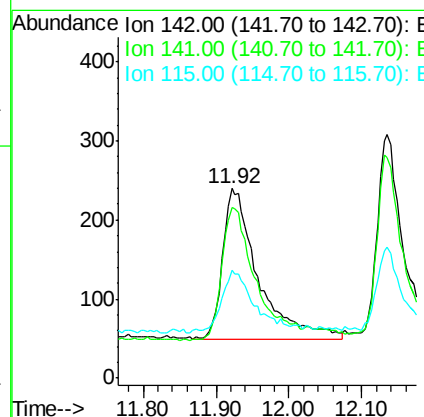
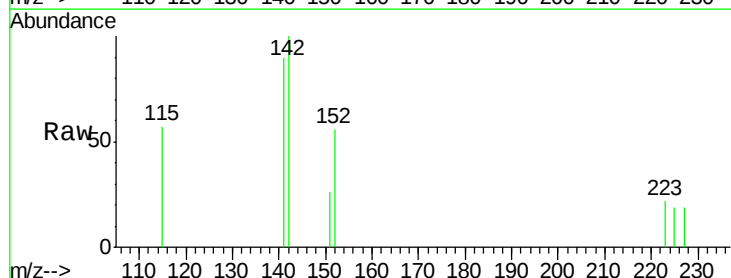
Manual Integrations
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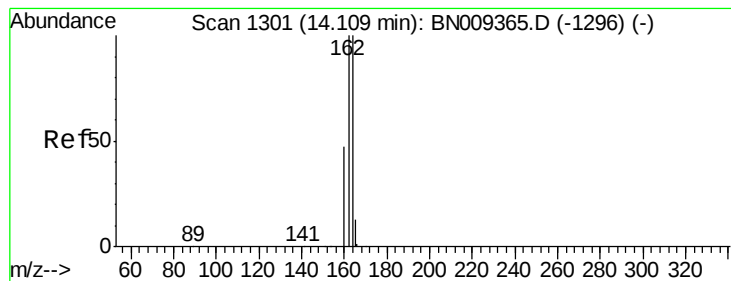
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#12
2-Methylnaphthalene
Concen: 0.085 ng
RT: 11.92 min Scan# 1026
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	69.8	104.6
115	57.1	32.5	48.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.11 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Instrument :

BNA_N

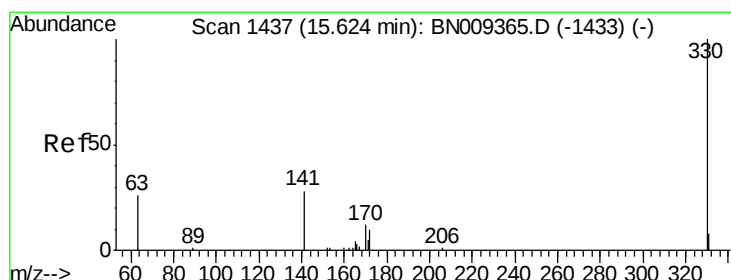
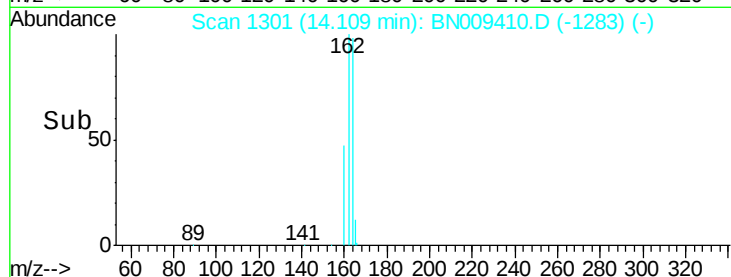
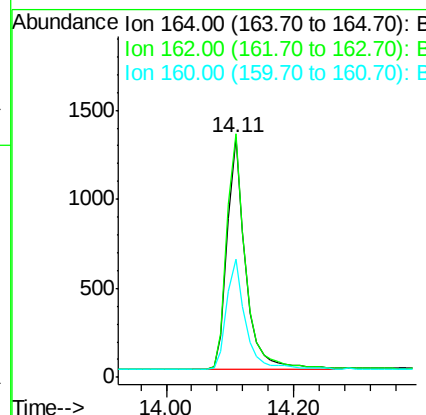
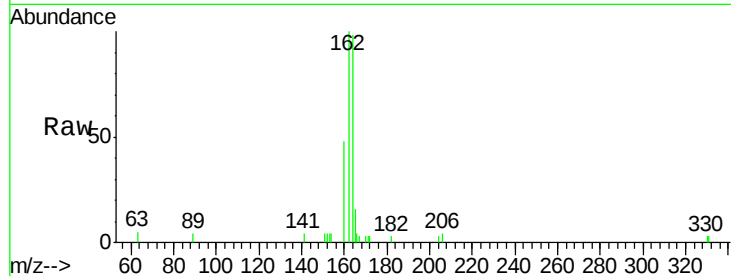
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	164	Resp:	2585
Ion Ratio	Lower	Upper	
164	100		
162	101.6	79.8	119.6
160	49.1	38.4	57.6

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#14

2,4,6-Tribromophenol

Concen: 0.278 ng

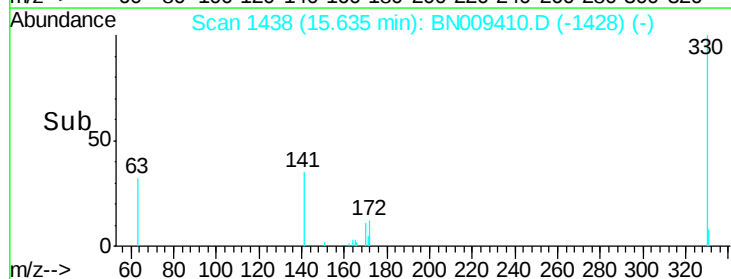
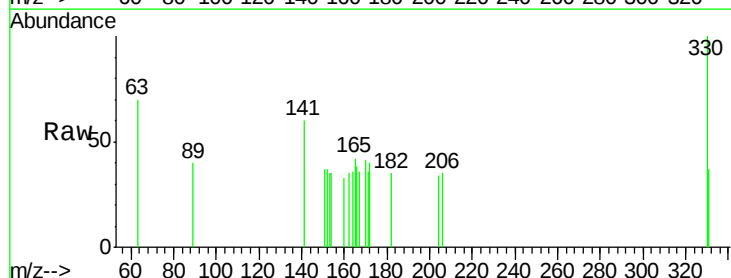
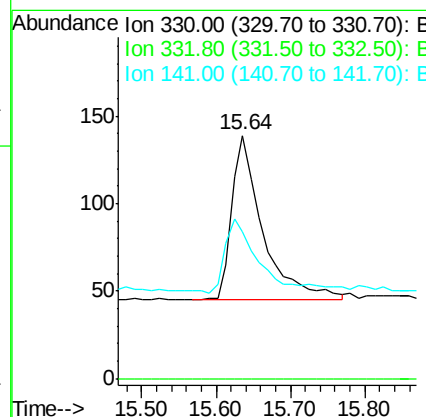
RT: 15.64 min Scan# 1438

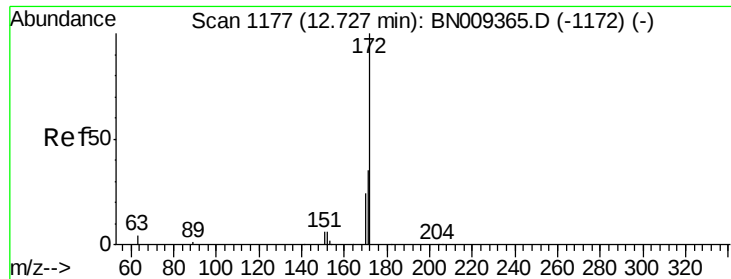
Delta R.T. 0.01 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Tgt Ion:	330	Resp:	272
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	46.3	33.1	49.7





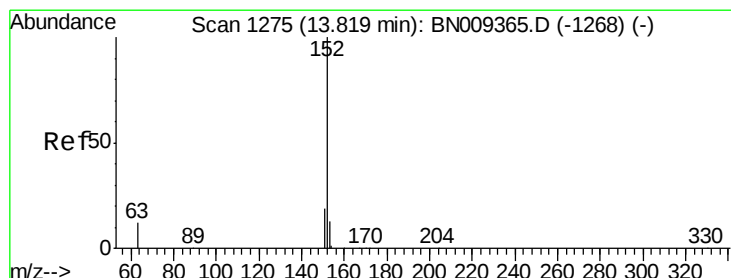
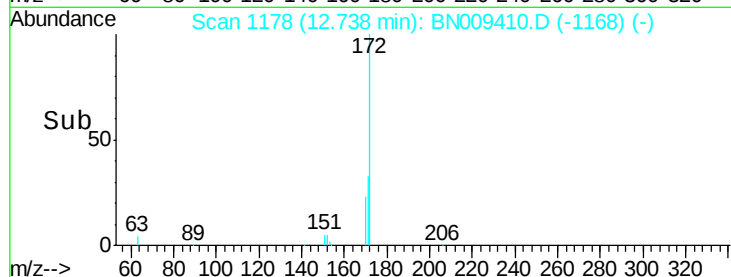
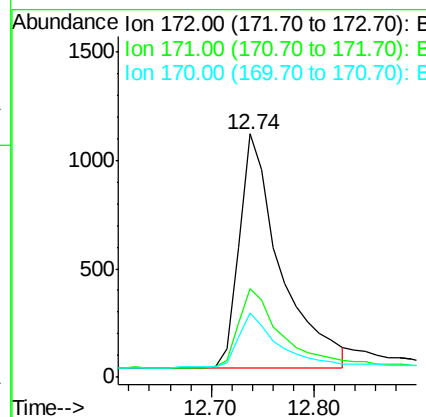
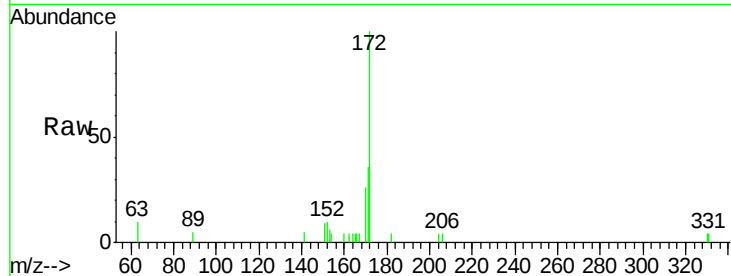
#15
2-Fluorobiphenyl
Concen: 0.307 ng
RT: 12.74 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.5	44.3
170	26.3	20.7	31.1

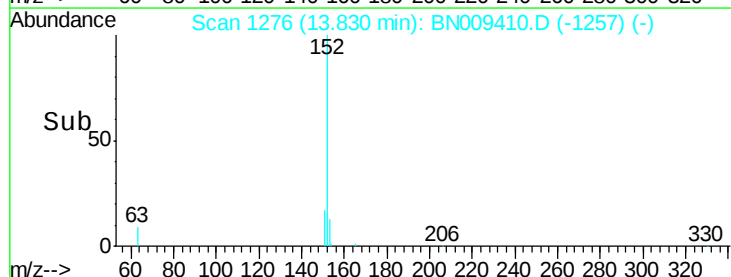
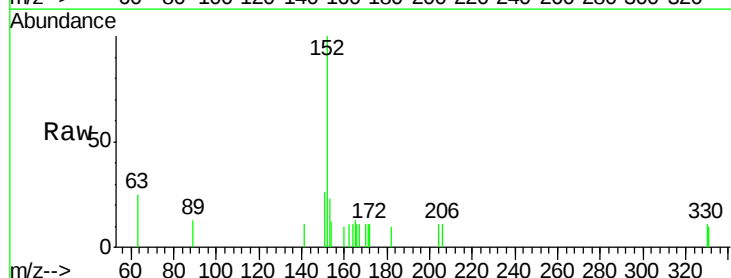
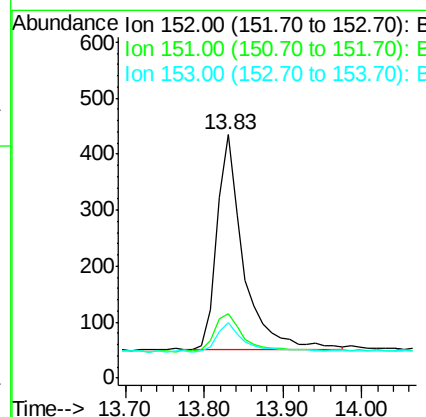
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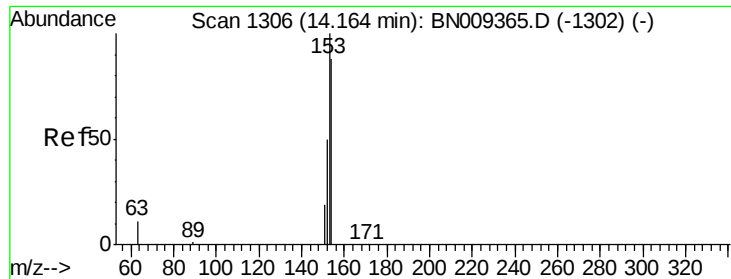
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#16
Acenaphthylene
Concen: 0.081 ng
RT: 13.83 min Scan# 1276
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.4	23.2
153	14.0	10.4	15.6





#17

Acenaphthene

Concen: 0.084 ng

RT: 14.18 min Scan# 1307

Delta R.T. 0.01 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Instrument :

BNA_N

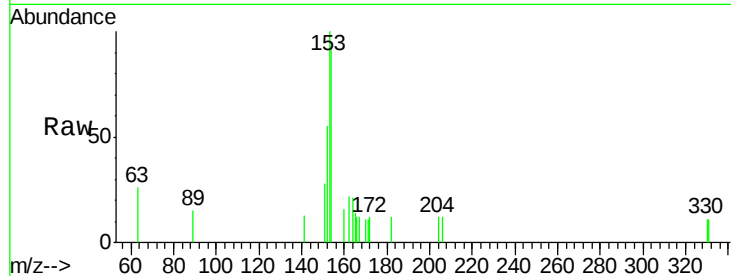
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

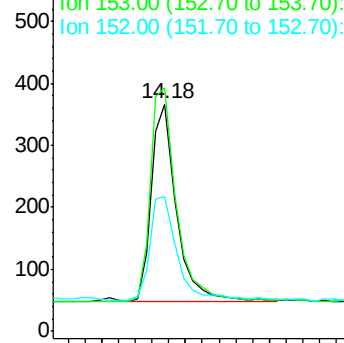
Tot Ion:	154	Resp:	659
Ion Ratio	Lower	Upper	
154	100		
153	114.1	90.5	135.7
152	58.7	45.3	67.9

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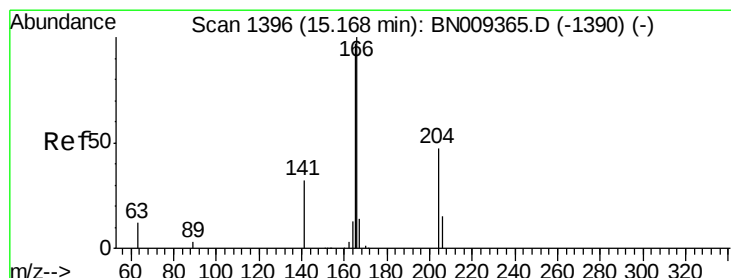
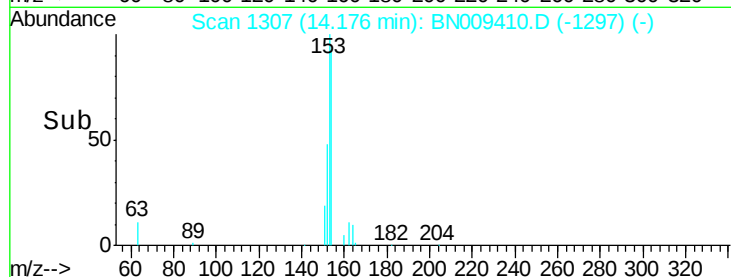
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time-->



#18

Fluorene

Concen: 0.084 ng

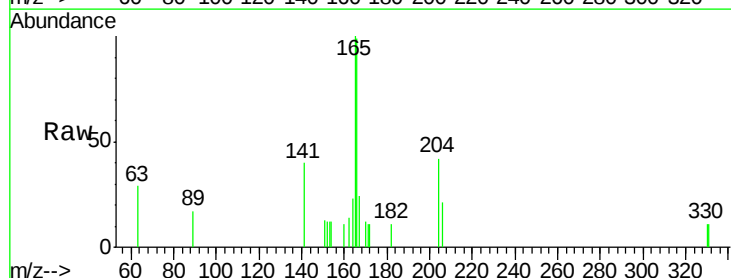
RT: 15.18 min Scan# 1397

Delta R.T. 0.01 min

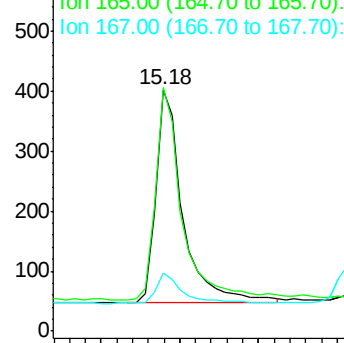
Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

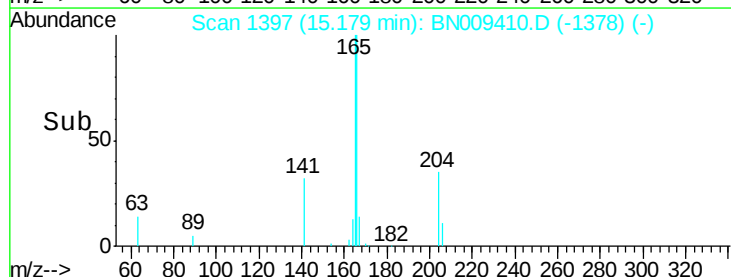
Tgt Ion:	166	Resp:	855
Ion Ratio	Lower	Upper	
166	100		
165	97.2	78.2	117.2
167	14.4	11.0	16.6

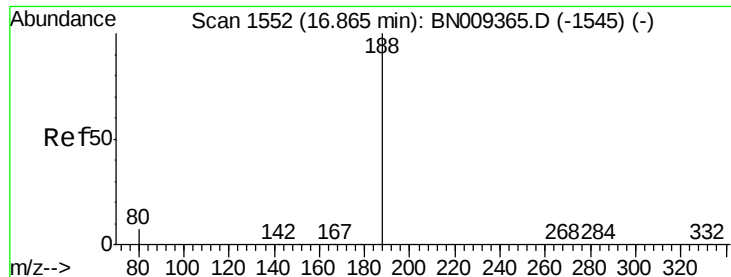


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time-->





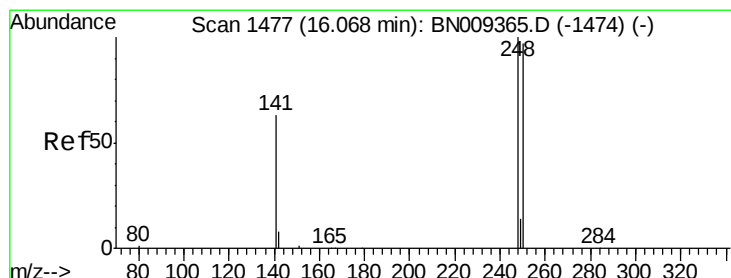
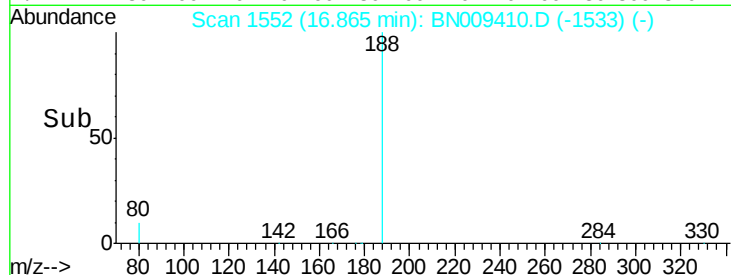
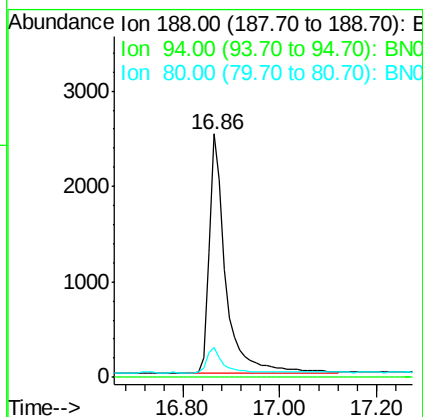
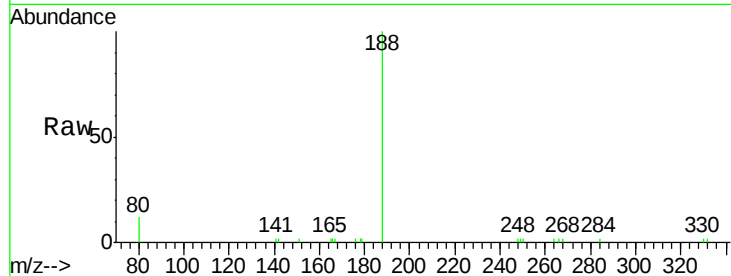
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.86 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	0.0	0.0	0.0	
80	12.1	6.6	10.0	

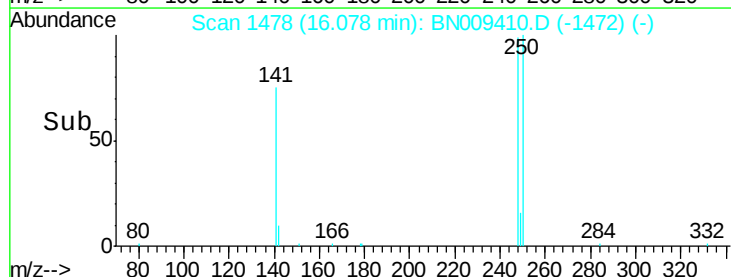
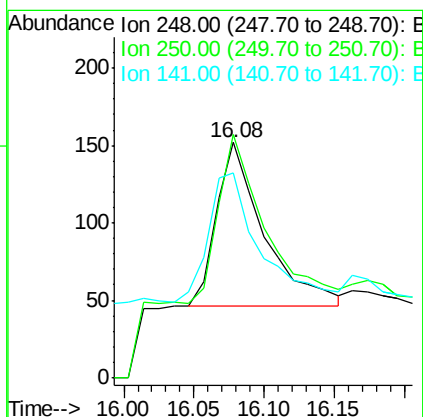
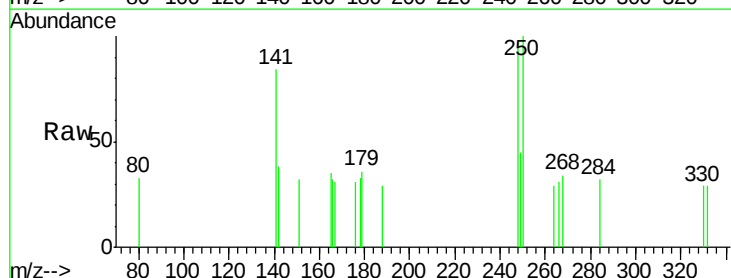
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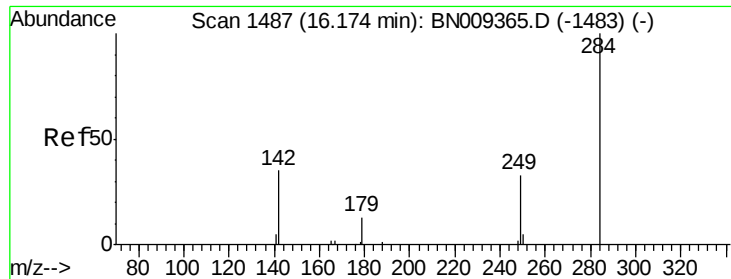
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#20
4-Bromophenyl-phenylether
Concen: 0.070 ng
RT: 16.08 min Scan# 1478
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	103.3	77.8	116.8	
141	86.8	53.4	80.0	





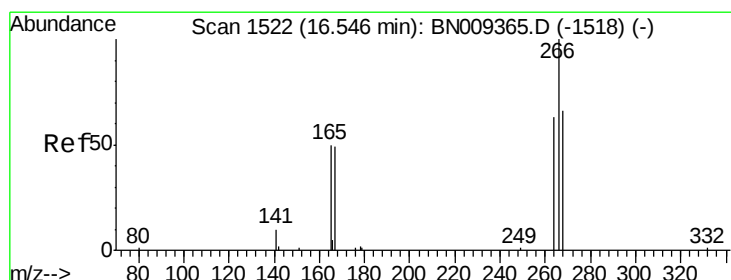
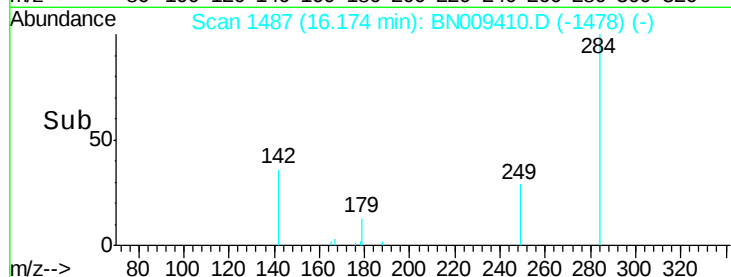
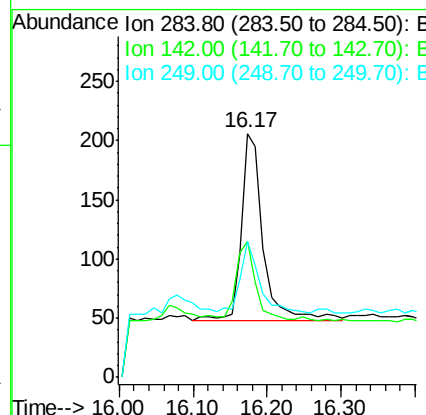
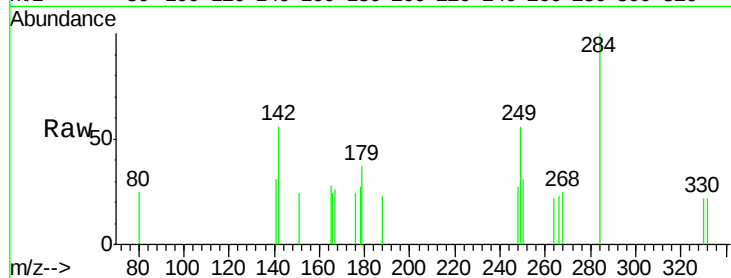
#21
Hexachlorobenzene
Concen: 0.086 ng
RT: 16.17 min Scan# 1487
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
284	100		
142	36.5	33.8	50.8
249	33.1	27.0	40.4

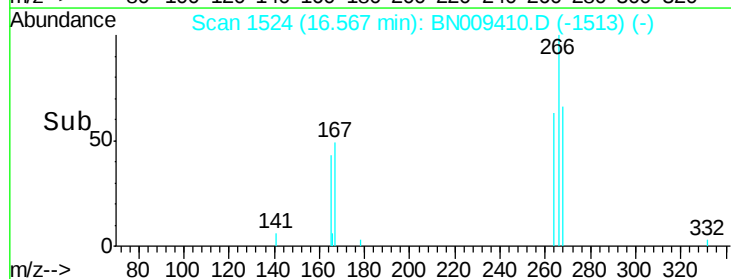
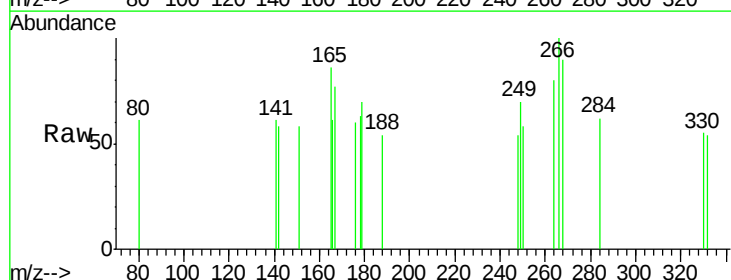
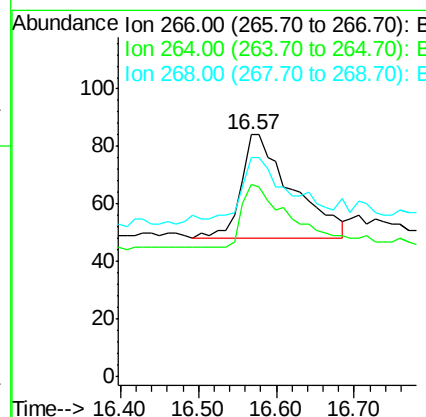
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#22
Pentachlorophenol
Concen: 0.156 ng
RT: 16.57 min Scan# 1524
Delta R.T. 0.02 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion	Ratio	Lower	Upper
266	100		
264	79.8	57.8	86.6
268	90.5	63.8	95.6





#23

Phenanthrene

Concen: 0.081 ng

RT: 16.91 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Instrument :

BNA_N

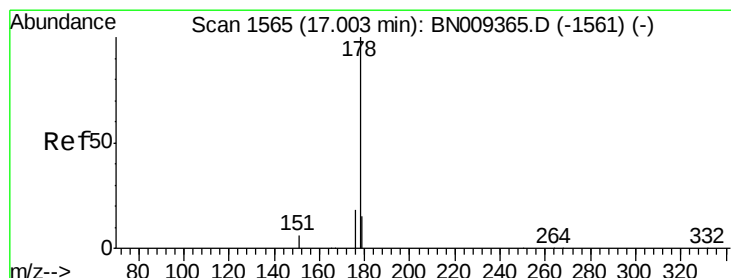
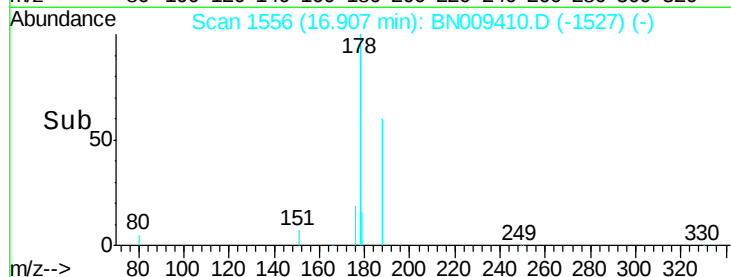
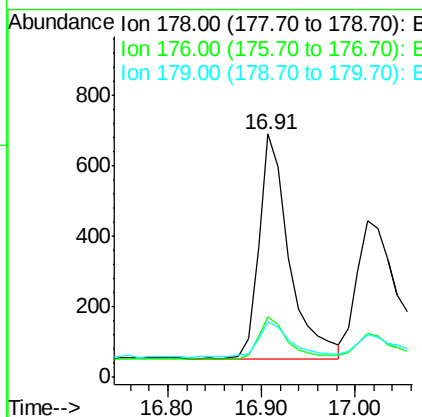
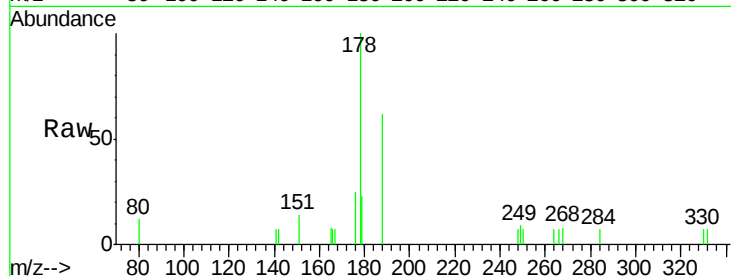
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	178	Resp:	1434
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	17.6	12.3	18.5

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#24

Anthracene

Concen: 0.073 ng

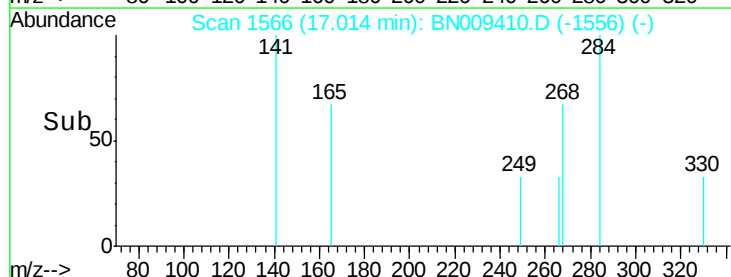
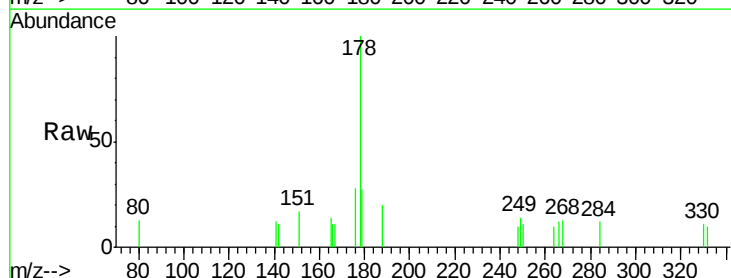
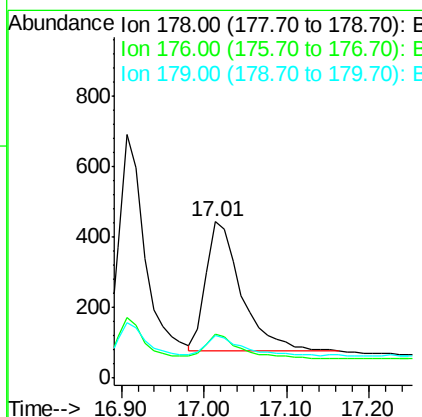
RT: 17.01 min Scan# 1566

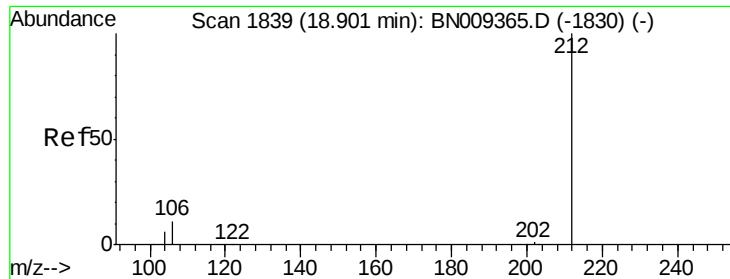
Delta R.T. 0.01 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Tgt Ion:	178	Resp:	1091
Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.1	12.5	18.7





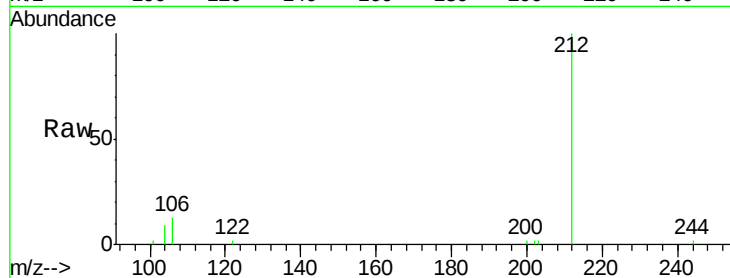
#25
 Fluoranthene-d10
 Concen: 0.266 ng
 RT: 18.90 min Scan# 1839
 Delta R.T. -0.00 min
 Lab File: BN009410.D
 Acq: 21 Jan 2020 12:16

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

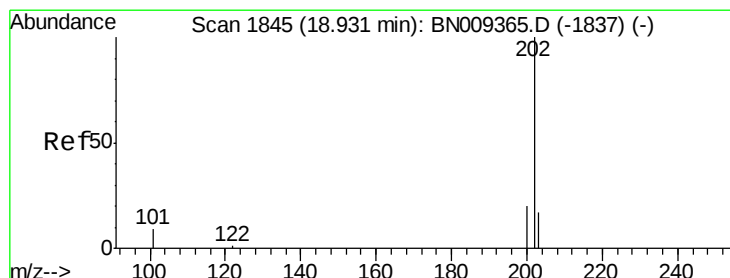
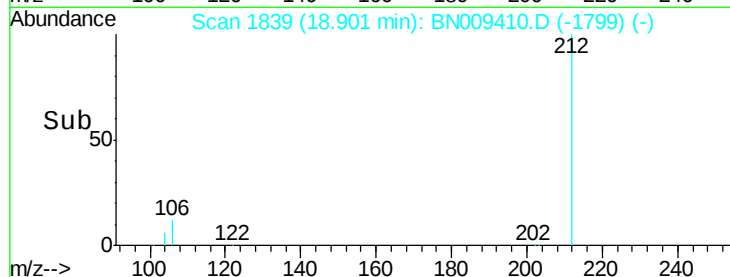
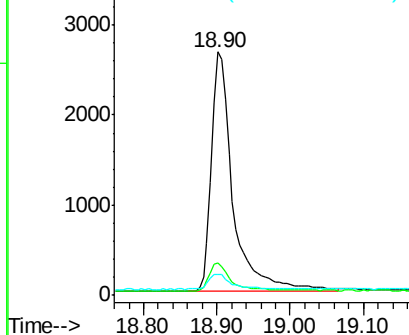
Tot Ion	Ratio	Lower	Upper
212	100		
106	12.0	9.2	13.8
104	6.7	5.4	8.0

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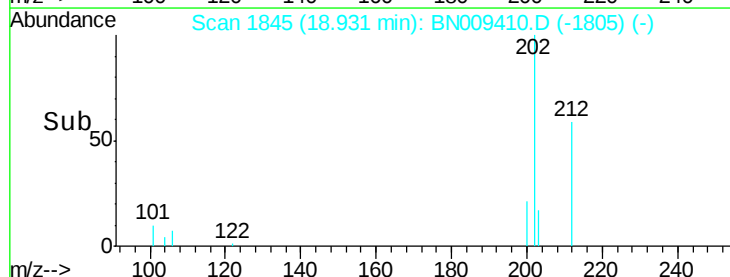
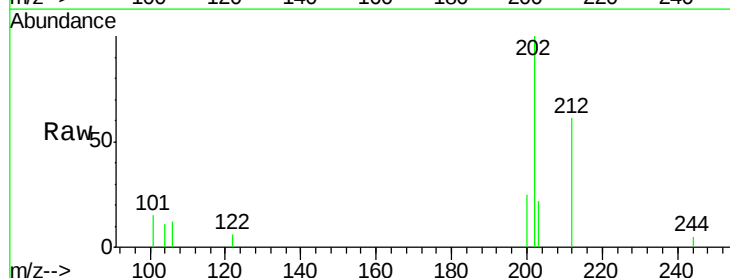
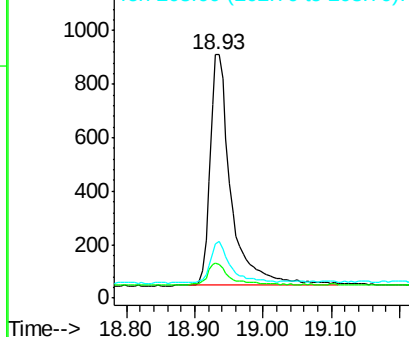
Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

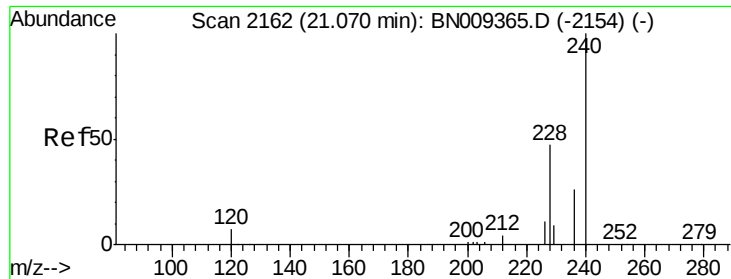


#26
 Fluoranthene
 Concen: 0.089 ng
 RT: 18.93 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: BN009410.D
 Acq: 21 Jan 2020 12:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	8.0	12.0
203	17.4	13.5	20.3

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.07 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Instrument :

BNA_N

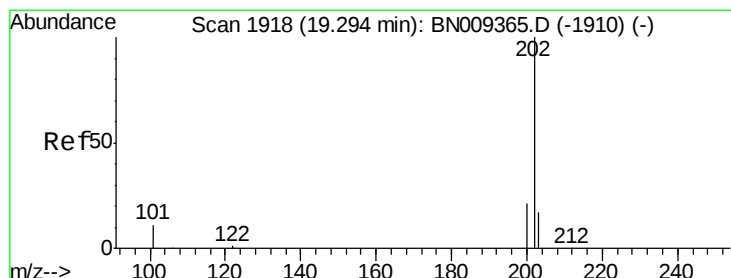
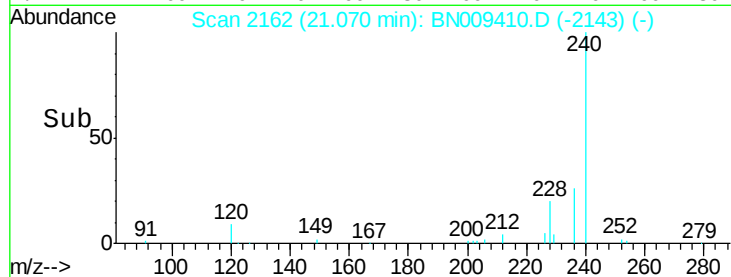
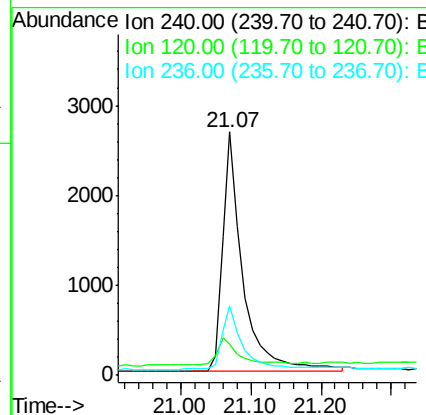
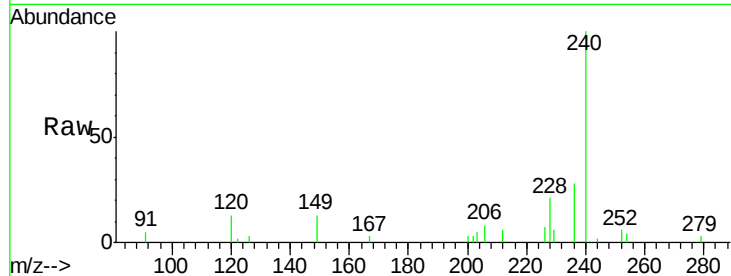
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.0	8.1	12.1#
236	28.4	22.2	33.4

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#28

Pyrene

Concen: 0.092 ng

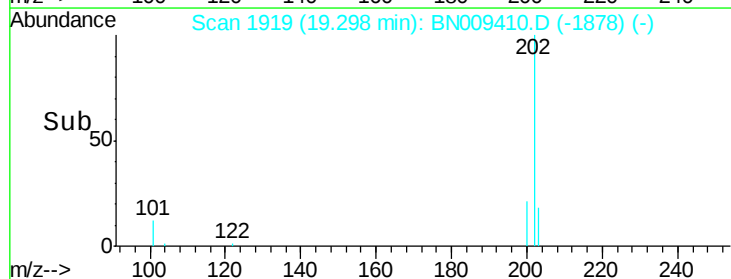
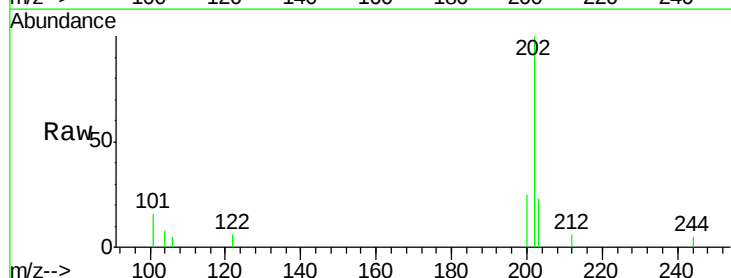
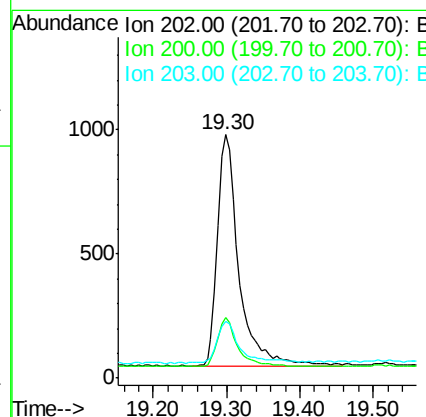
RT: 19.30 min Scan# 1919

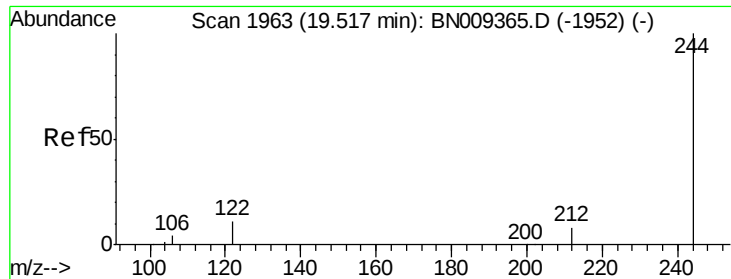
Delta R.T. 0.00 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.2	24.2
203	17.8	14.1	21.1





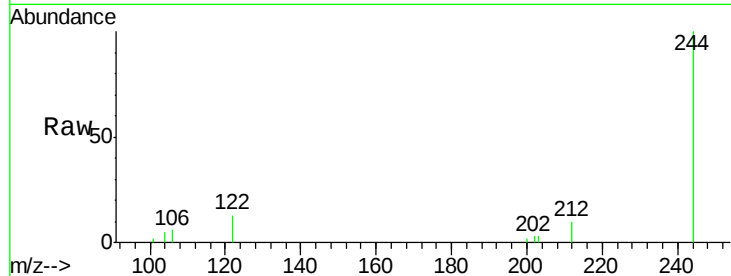
#29
 Terphenyl-d14
 Concen: 0.353 ng
 RT: 19.52 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: BN009410.D
 Acq: 21 Jan 2020 12:16

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

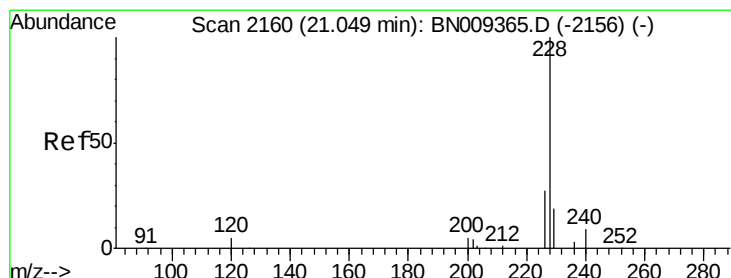
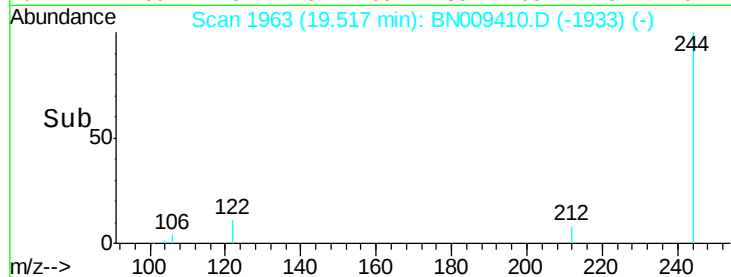
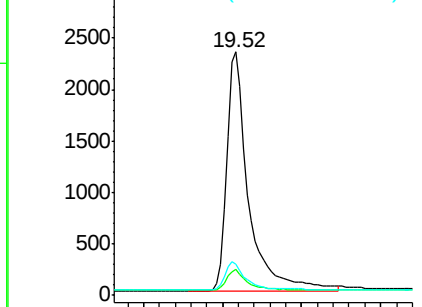
Tot Ion	Ratio	Lower	Upper
244	100		
212	10.4	7.5	11.3
122	12.8	9.8	14.6

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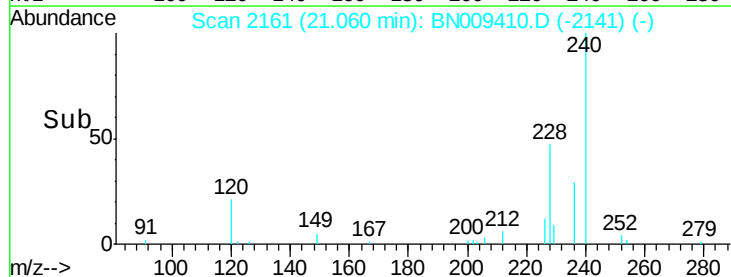
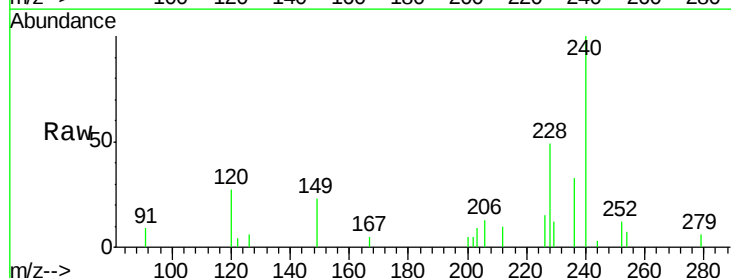
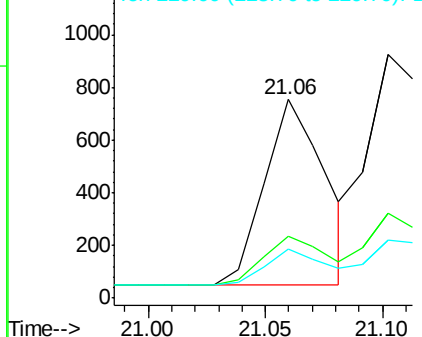
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

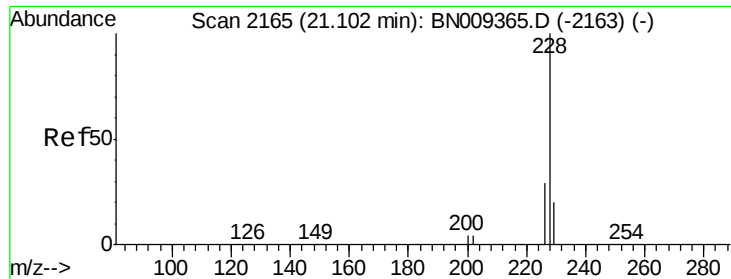


#30
 Benzo(a)anthracene
 Concen: 0.072 ng
 RT: 21.06 min Scan# 2161
 Delta R.T. 0.01 min
 Lab File: BN009410.D
 Acq: 21 Jan 2020 12:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.5	33.7
229	25.0	16.1	24.1

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.094 ng

RT: 21.10 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Instrument :

BNA_N

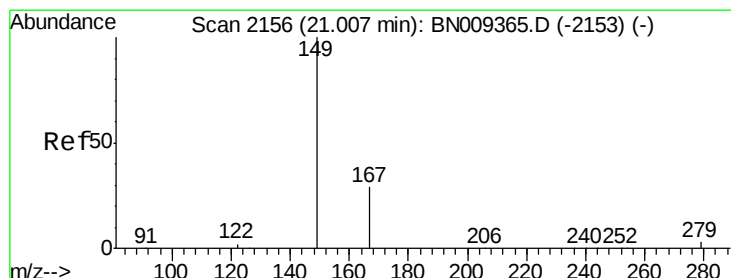
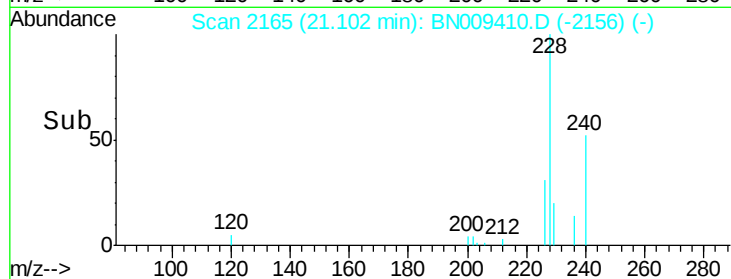
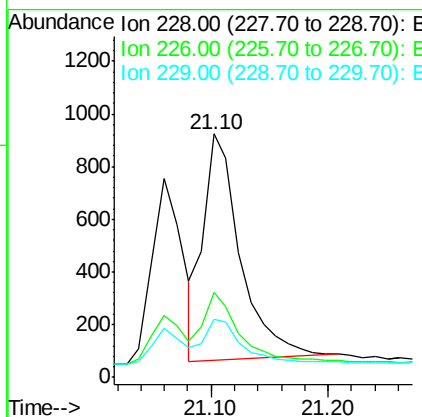
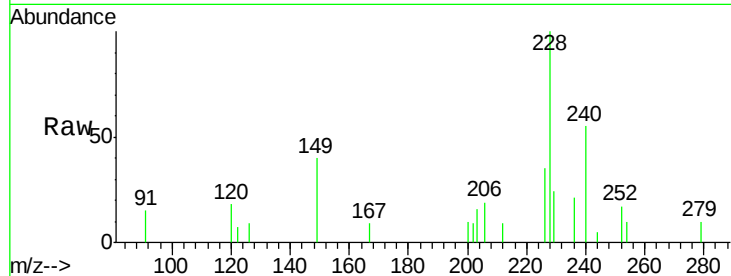
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	228	Resp:	1898
Ion	Ratio	Lower	Upper
228	100		
226	34.8	23.8	35.8
229	24.0	16.6	24.8

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.093 ng

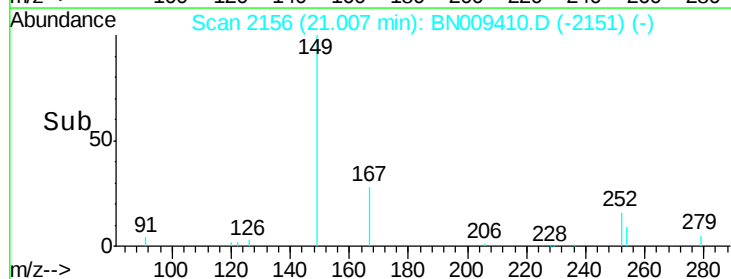
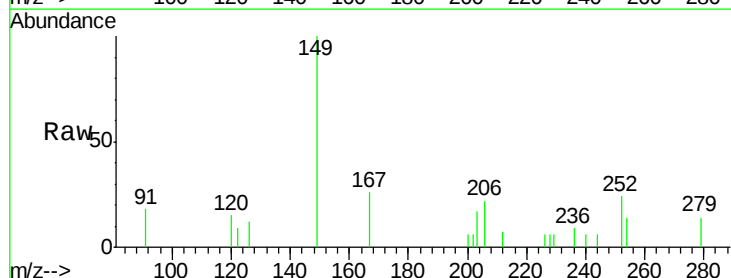
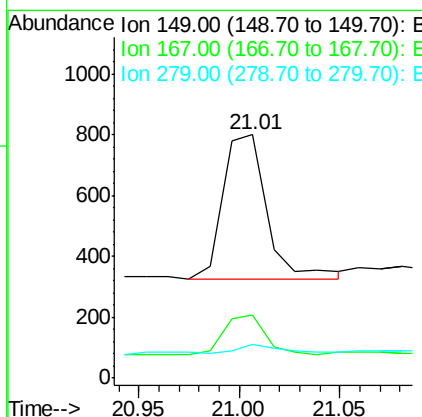
RT: 21.01 min Scan# 2156

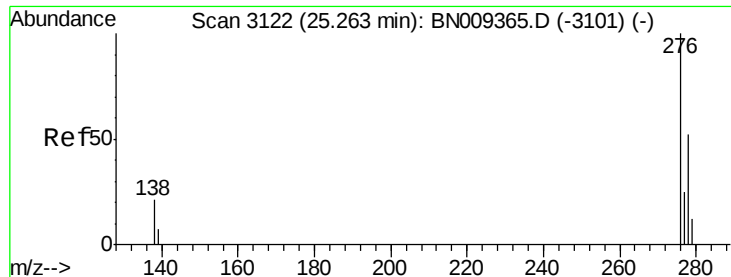
Delta R.T. -0.00 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Tgt Ion:	149	Resp:	723
Ion	Ratio	Lower	Upper
149	100		
167	25.3	22.9	34.3
279	5.3	3.4	5.0#





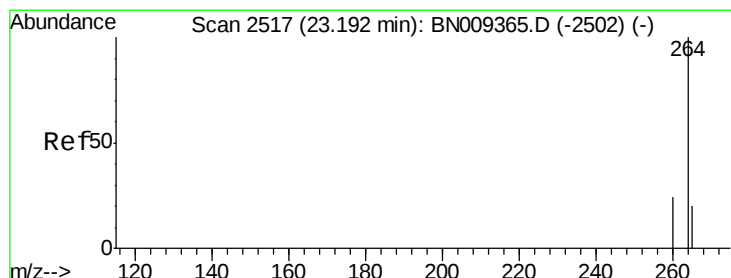
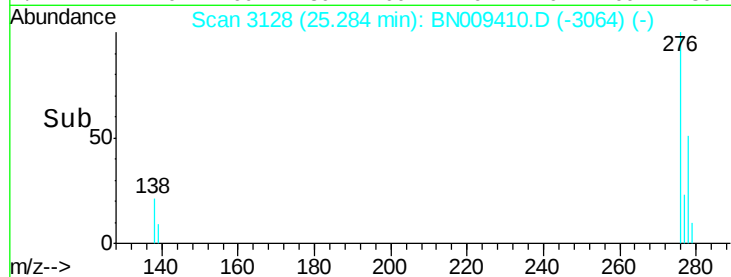
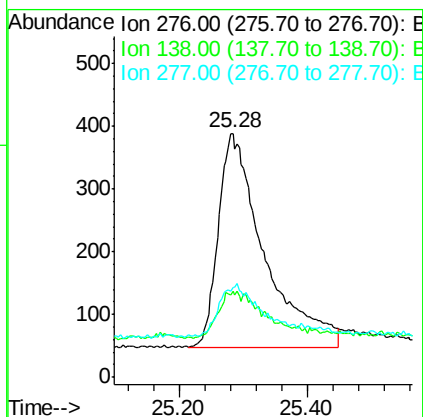
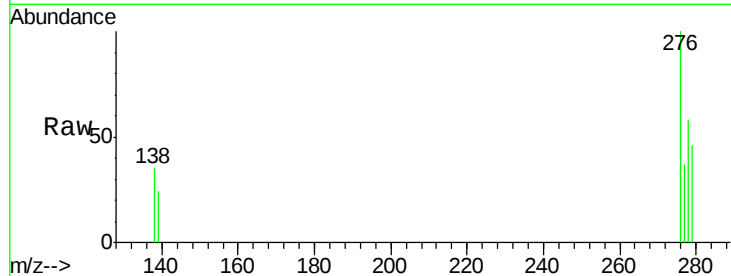
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.081 ng
RT: 25.28 min Scan# 3128
Delta R.T. 0.02 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.6	15.9	23.9#
277	21.5	19.8	29.6

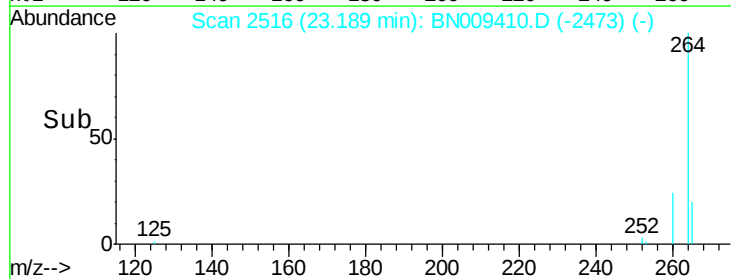
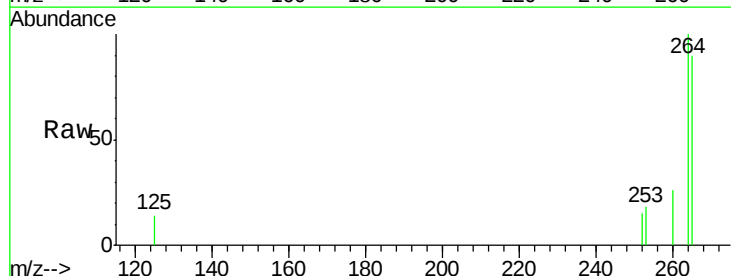
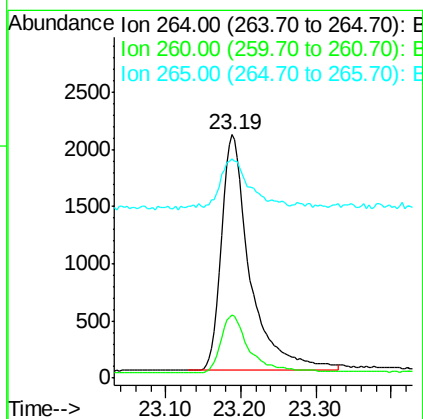
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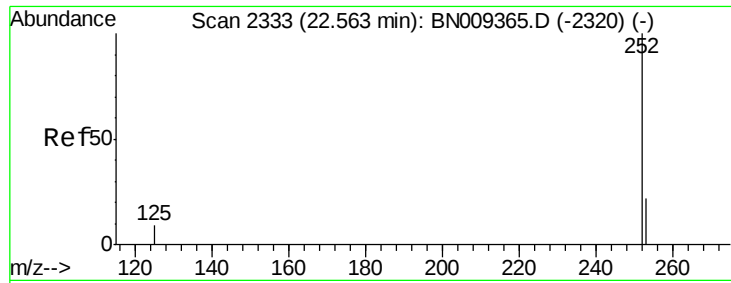
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.19 min Scan# 2516
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.1	30.1
265	90.2	68.2	102.4





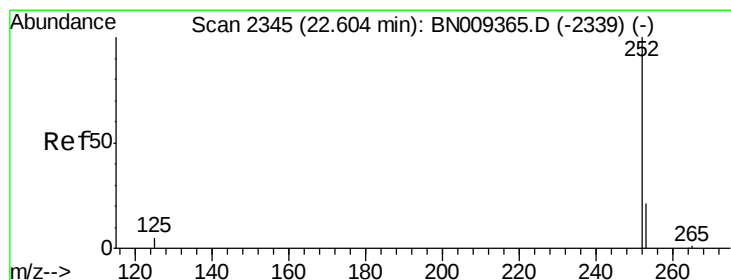
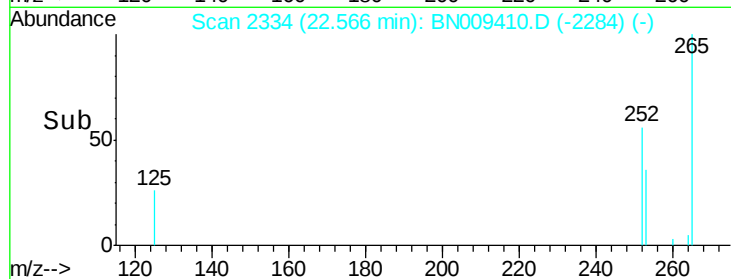
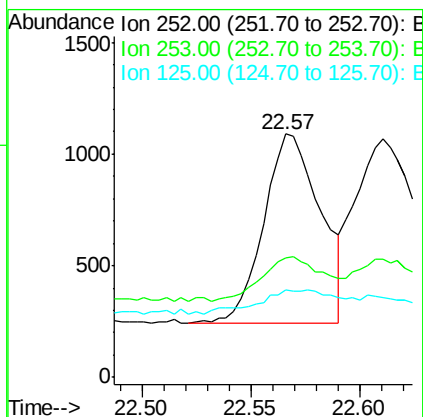
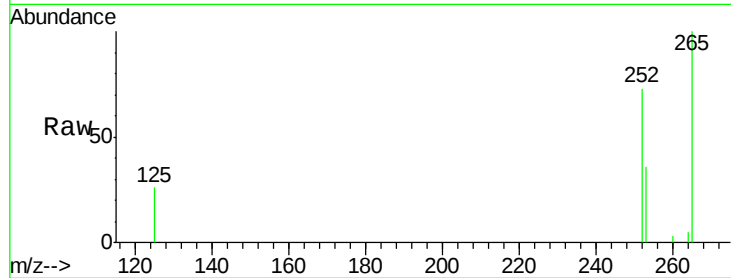
#35
Benzo(b)fluoranthene
Concen: 0.077 ng
RT: 22.57 min Scan# 2334
Delta R.T. 0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	49.0	22.4	33.6#
125	35.9	11.6	17.4#

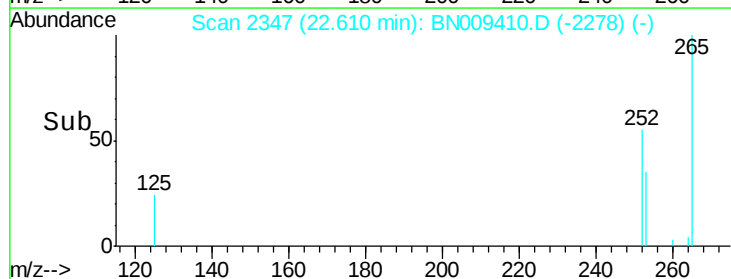
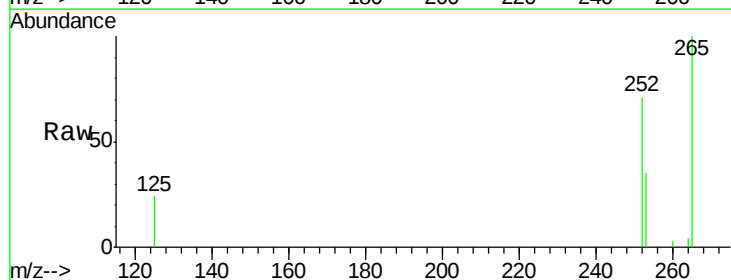
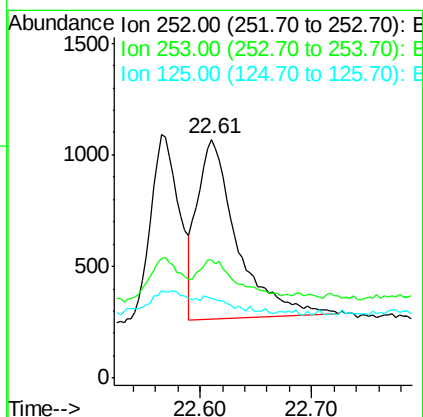
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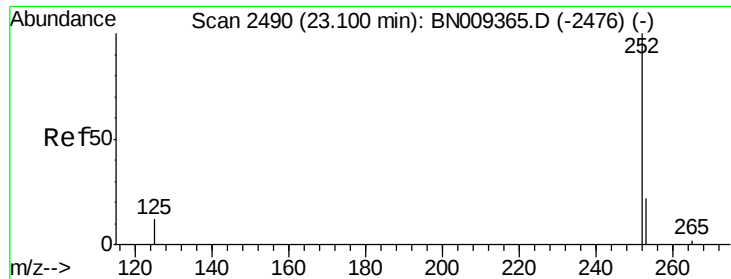
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#36
Benzo(k)fluoranthene
Concen: 0.091 ng
RT: 22.61 min Scan# 2347
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	49.5	21.9	32.9#
125	33.4	12.0	18.0#





#37

Benzo(a)pyrene

Concen: 0.083 ng

RT: 23.11 min Scan# 2493

Delta R.T. 0.01 min

Lab File: BN009410.D

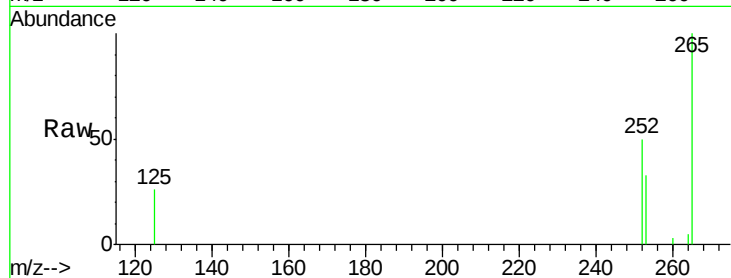
Acq: 21 Jan 2020 12:16

Instrument :

BNA_N

ClientSampleId :

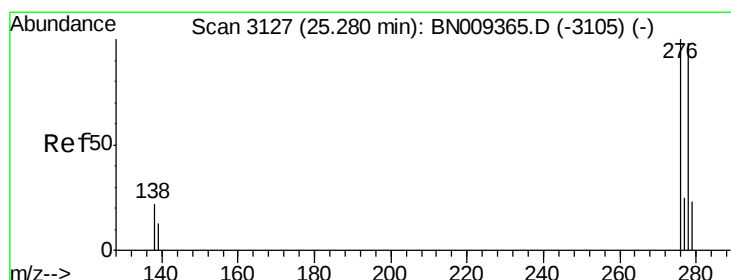
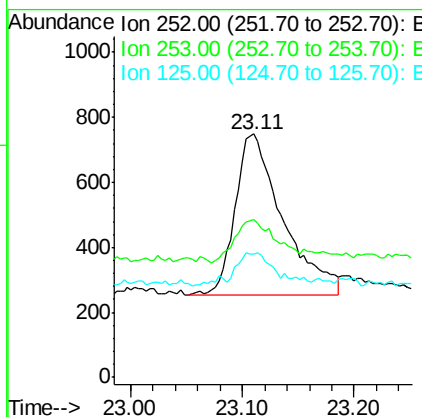
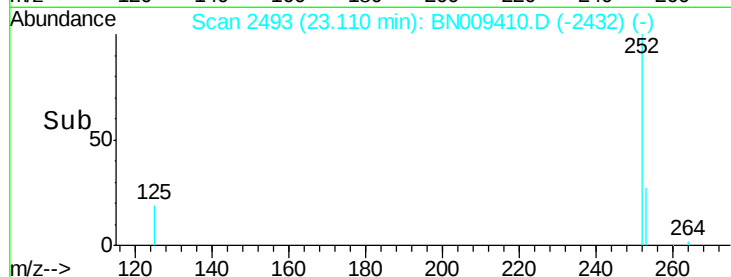
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Tot Ion:	252	Resp:	1464
Ion Ratio	Lower	Upper	
252	100		
253	64.9	25.4	38.0#
125	50.9	16.2	24.2#

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#38

Dibenzo(a,h)anthracene

Concen: 0.075 ng m

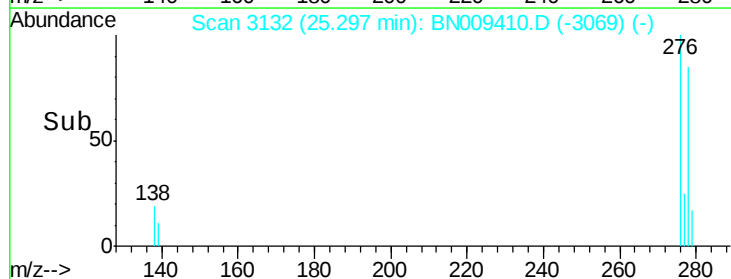
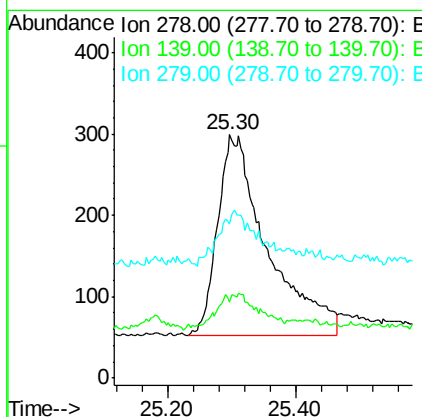
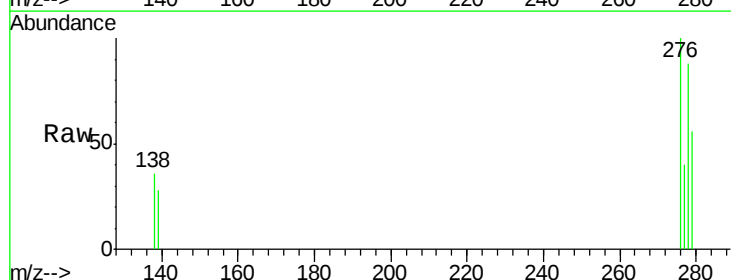
RT: 25.30 min Scan# 3132

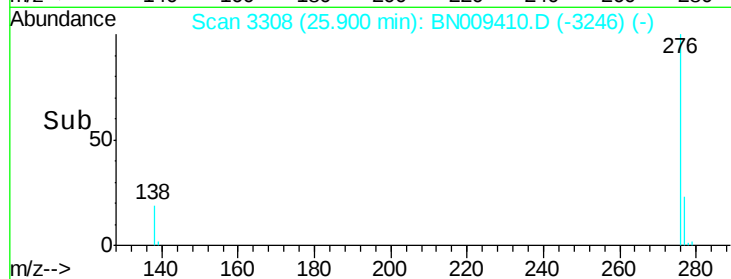
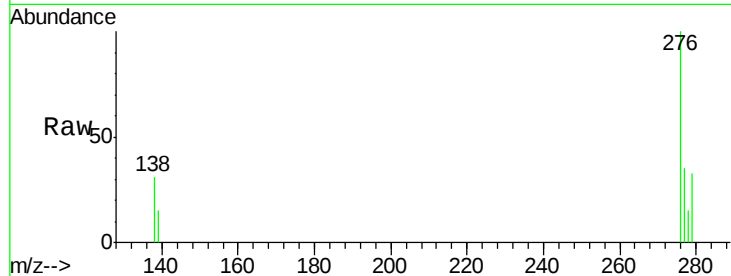
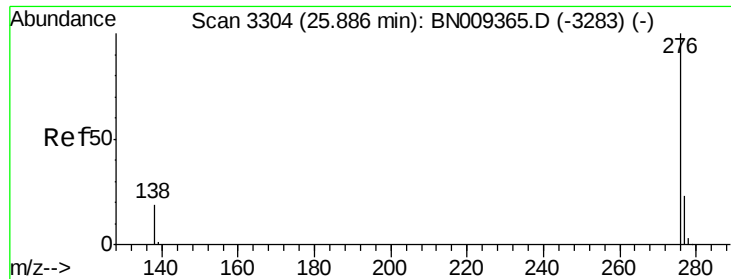
Delta R.T. 0.02 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Tgt Ion:	278	Resp:	1321
Ion Ratio	Lower	Upper	
278	100		
139	31.4	14.5	21.7#
279	63.2	24.2	36.4#





#39

Benzo(a,h,i)perylene

Concen: 0.082 ng

RT: 25.90 min Scan# 3308

Delta R.T. 0.01 min

Lab File: BN009410.D

Acq: 21 Jan 2020 12:16

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
276	100		
277	34.7	20.6	30.8#
138	31.1	17.1	25.7#

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