

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073018\
 Data File : BN002192.D
 Acq On : 30 Jul 2018 19:00
 Operator : JU/SJ
 Sample : J3762-01
 Misc : LOD 0.1PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Manual Integrations
 APPROVED

Sohil
 7/31/2018 3:37:13 PM

Quant Time: Jul 31 11:36:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 16:17:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	3070	0.40	ng	0.00
7) Naphthalene-d8	10.47	136	12302	0.40	ng	0.00
13) Acenaphthene-d10	14.32	164	6383	0.40	ng	0.00
19) Phenanthrene-d10	17.08	188	12981	0.40	ng	0.01
27) Chrysene-d12	21.27	240	11059	0.40	ng	0.00
34) Perylene-d12	23.50	264	10547	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.32	112	2508	0.35	ng	0.00
5) Phenol-d6	6.88	99	2656	0.30	ng	0.00
8) Nitrobenzene-d5	8.86	82	3225	0.35	ng	0.01
11) 2-Methylnaphthalene-d10	12.07	152	6766	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	679	0.25	ng	0.01
15) 2-Fluorobiphenyl	12.95	172	9499	0.39	ng	0.01
25) Fluoranthene-d10	19.11	212	12093	0.38	ng	0.00
29) Terphenyl-d14	19.71	244	8223	0.35	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.29	88	424	0.123	ng	Qvalue # 78
3) n-Nitrosodimethylamine	3.65	42	95m	0.145	ng	
6) bis(2-Chloroethyl)ether	7.14	93	785	0.094	ng	99
9) Naphthalene	10.52	128	2609	0.094	ng	# 89
10) Hexachlorobutadiene	10.80	225	584	0.097	ng	# 55
12) 2-Methylnaphthalene	12.14	142	1680	0.090	ng	99
16) Acenaphthylene	14.04	152	2359	0.087	ng	99
17) Acenaphthene	14.39	154	1567	0.089	ng	94
18) Fluorene	15.38	166	1857	0.086	ng	# 79
20) 4-Bromophenyl-phenylether	16.27	248	632	0.086	ng	# 78
21) Hexachlorobenzene	16.39	284	772	0.095	ng	98
22) Pentachlorophenol	16.76	266	85	0.135	ng	# 64
23) Phenanthrene	17.11	178	2869	0.089	ng	97
24) Anthracene	17.22	178	2024	0.076	ng	96
26) Fluoranthene	19.14	202	3022	0.086	ng	98
28) Pyrene	19.50	202	3085	0.094	ng	99
30) Benzo(a)anthracene	21.26	228	2398	0.086	ng	96
31) Chrysene	21.31	228	3046	0.098	ng	98
32) Bis(2-ethylhexyl)phthalate	21.18	149	1100	0.086	ng	# 95
33) Indeno(1,2,3-cd)pyrene	25.74	276	3118	0.106	ng	# 93
35) Benzo(b)fluoranthene	22.84	252	2772	0.089	ng	# 92
36) Benzo(k)fluoranthene	22.88	252	3048	0.095	ng	# 75
37) Benzo(a)pyrene	23.41	252	2602	0.093	ng	# 70
38) Dibenzo(a,h)anthracene	25.75	278	2544	0.093	ng	# 88
39) Benzo(g,h,i)perylene	26.41	276	2703	0.097	ng	# 90

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

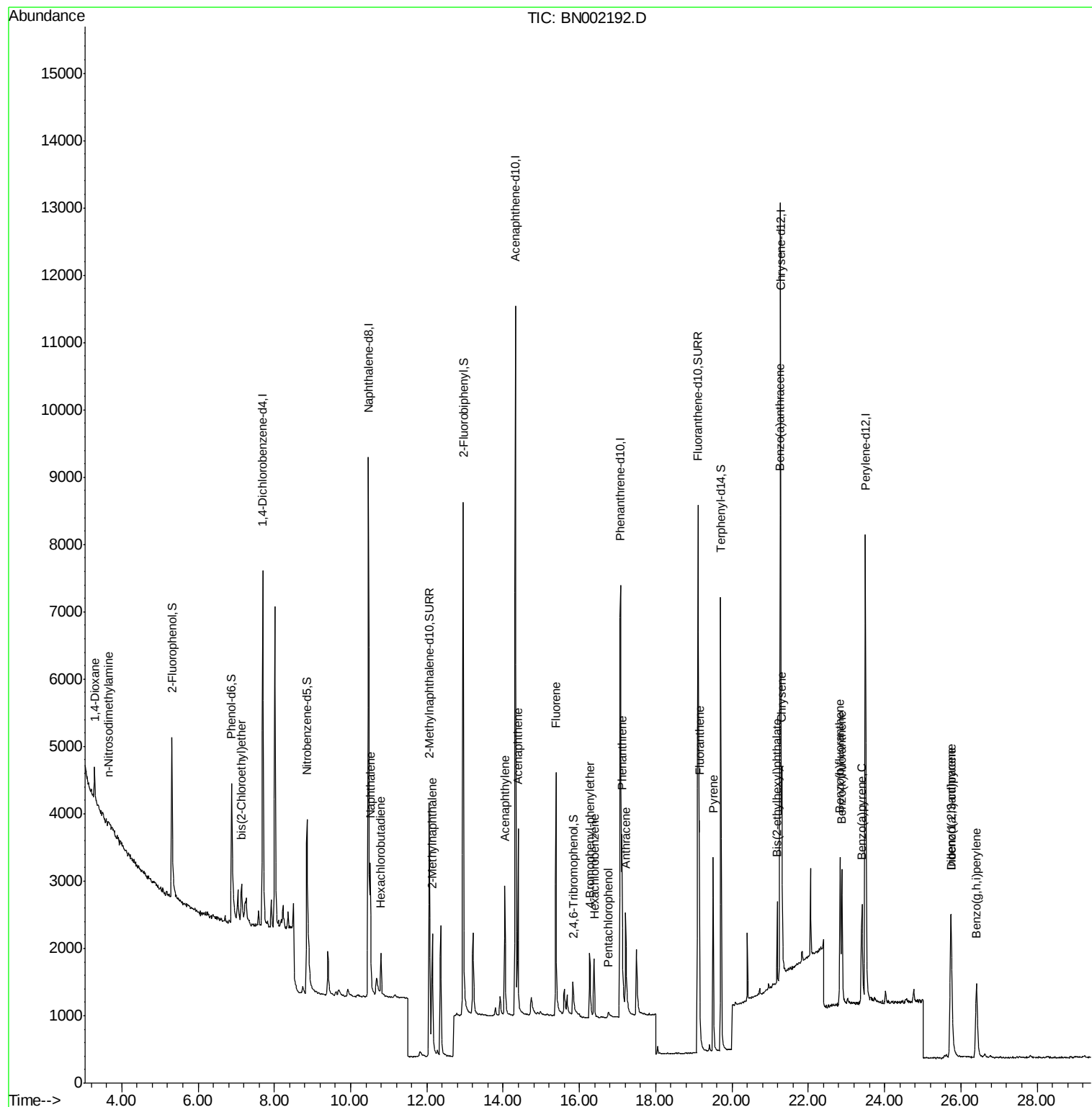
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073018\
Data File : BN002192.D
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Operator : JU/SJ
Sample : J3762-01
Misc : LOD 0.1PPM
ALS Vial : 10 Sample Multiplier: 1

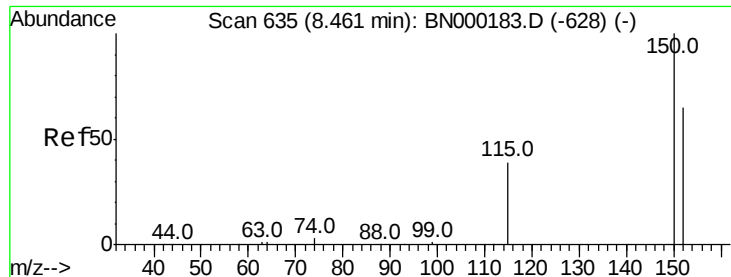
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

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QLast Update : Mon Jul 30 16:17:29 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 580

Delta R.T. 0.01 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Instrument :

BNA_N

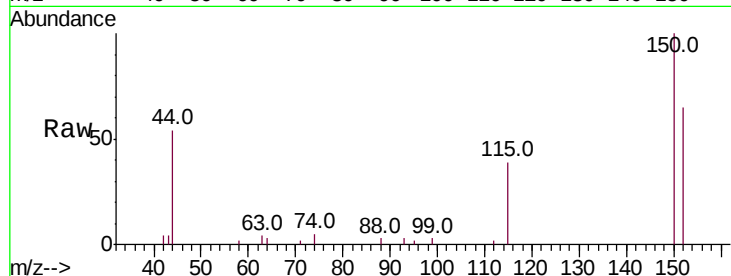
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

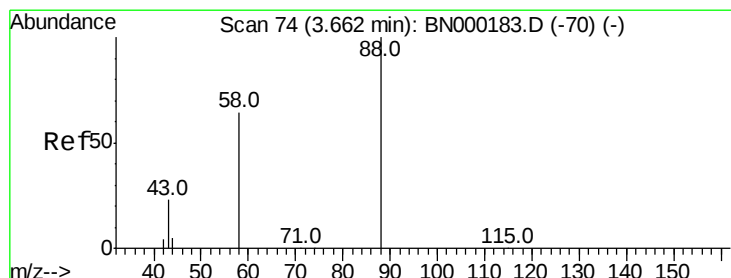
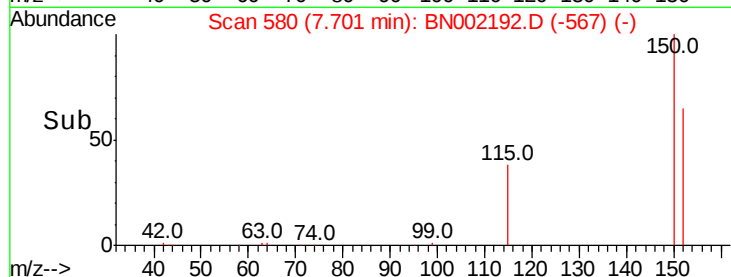
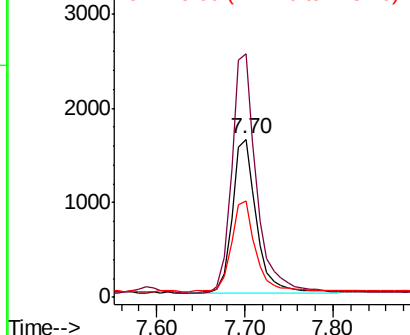
Tot Ion:	152	Resp:	3070
Ion	Ratio	Lower	Upper
152	100		
150	154.2	117.2	175.8
115	60.7	57.0	85.6

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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: 0.123 ng

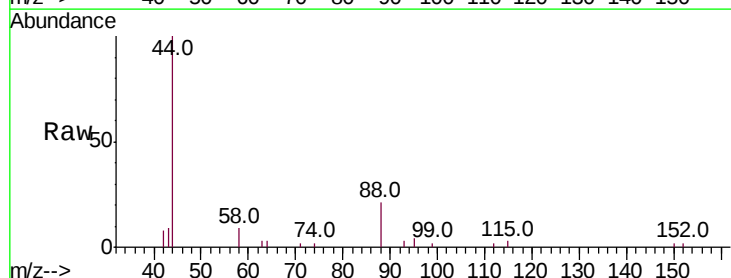
RT: 3.29 min Scan# 32

Delta R.T. 0.00 min

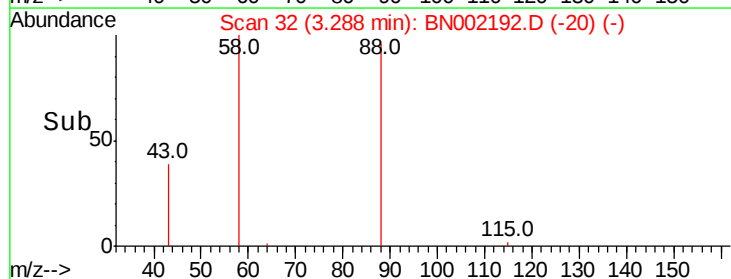
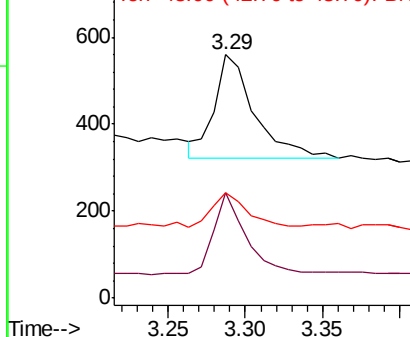
Lab File: BN002192.D

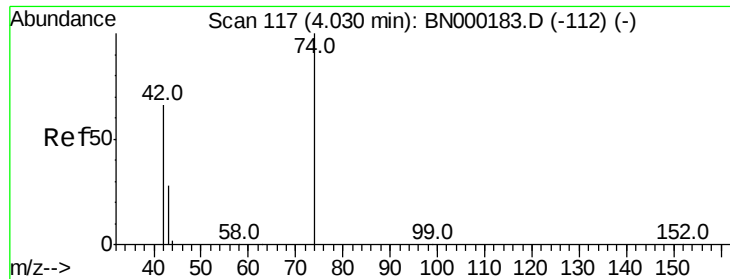
Acq: 30 Jul 2018 19:00

Tgt Ion:	88	Resp:	424
Ion	Ratio	Lower	Upper
88	100		
58	65.3	72.0	108.0#
43	27.6	28.0	42.0#



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: 0.145 ng/ml

RT: 3.65 min Scan# 77

Delta R.T. 0.04 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Instrument :

BNA_N

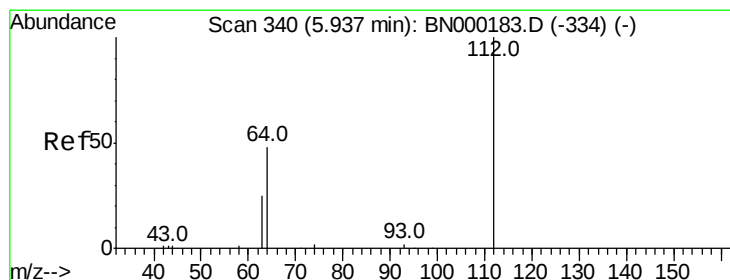
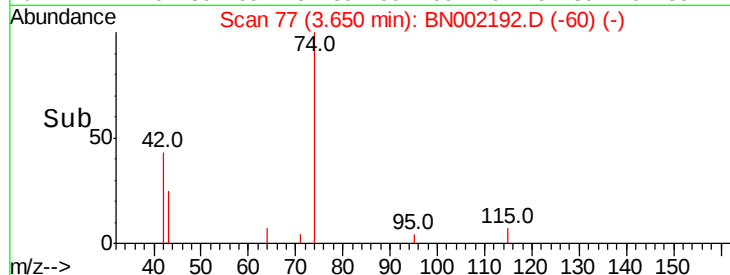
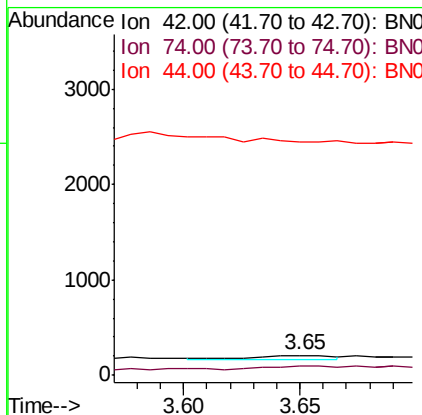
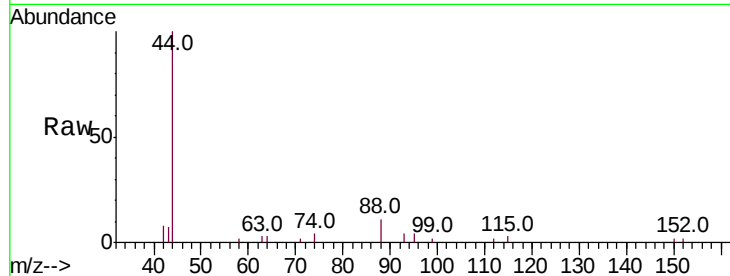
ClientSampleId :

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Tot Ion:	42	Resp:	95
Ion Ratio	Lower	Upper	
42	100		
74	6.3	88.0	132.0#
44	250.5	16.0	24.0#

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#4

2-Fluorophenol

Concen: 0.350 ng/ml

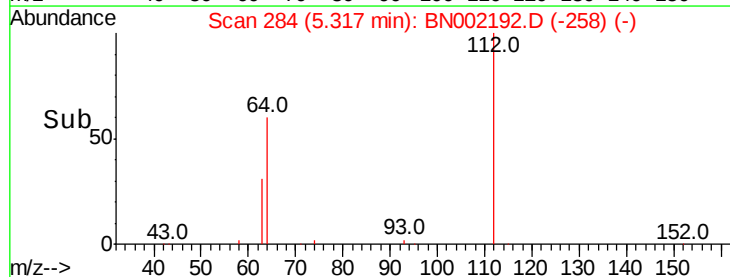
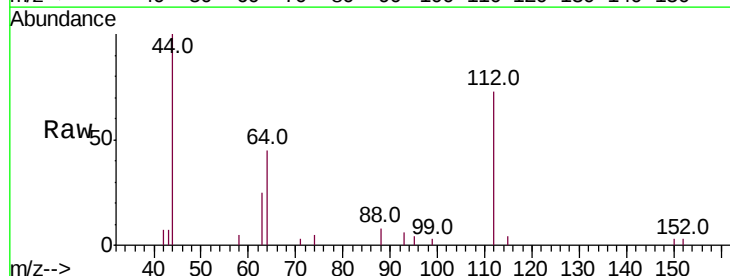
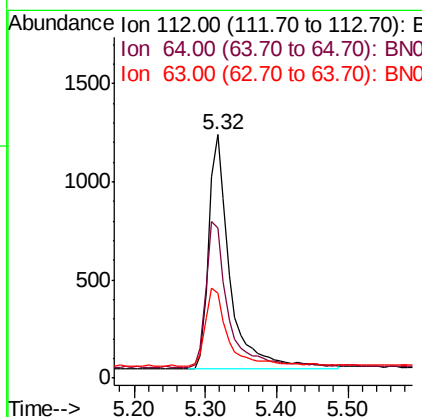
RT: 5.32 min Scan# 284

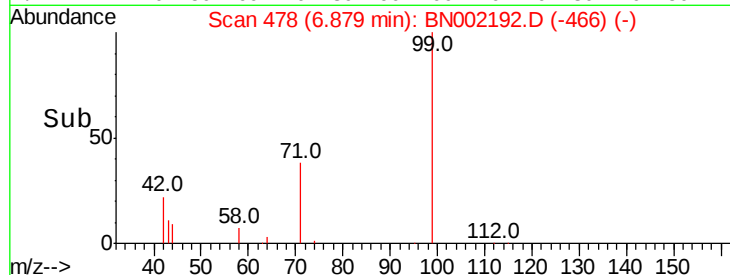
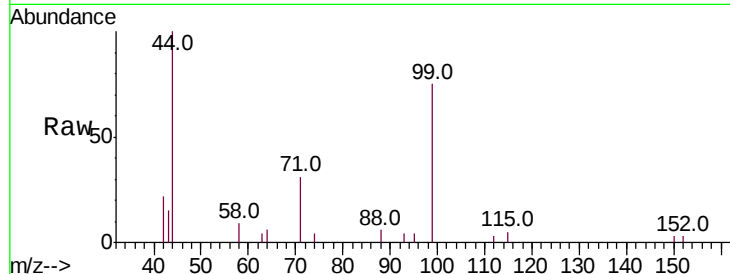
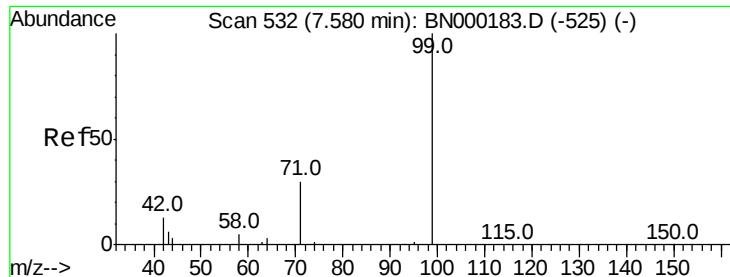
Delta R.T. 0.01 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Tgt Ion:	112	Resp:	2508
Ion Ratio	Lower	Upper	
112	100		
64	64.9	60.1	90.1
63	35.4	116.8	175.2#





#5

Phenol-d6

Concen: 0.305 ng

RT: 6.88 min Scan# 478

Delta R.T. 0.00 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Tot Ion:	99	Resp:	2656
Ion Ratio	Lower	Upper	
99	100		
42	23.0	20.2	30.2
71	37.1	28.4	42.6

Instrument :

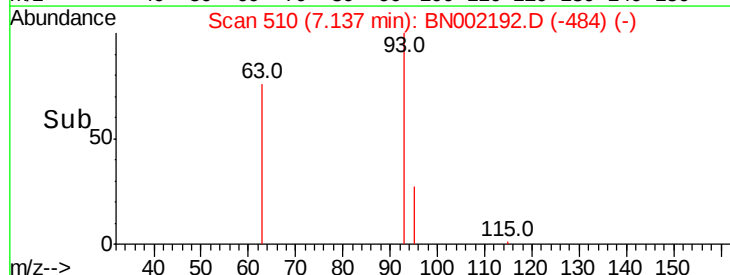
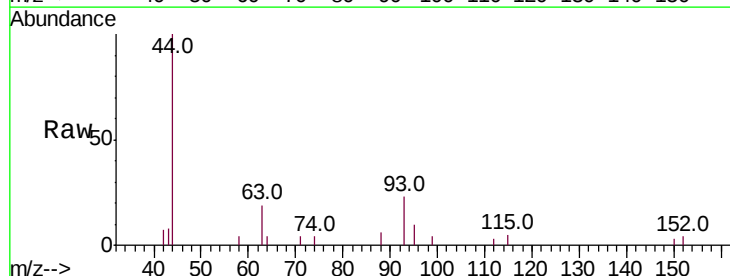
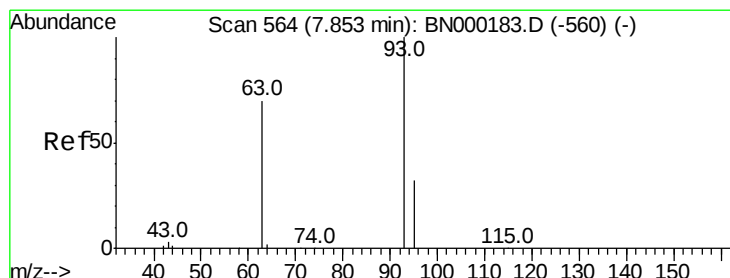
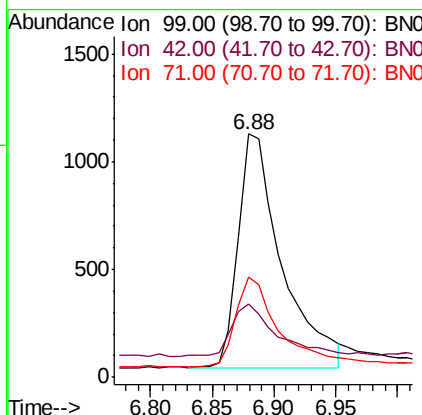
BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Manual Integrations
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#6

bis(2-Chloroethyl)ether

Concen: 0.094 ng

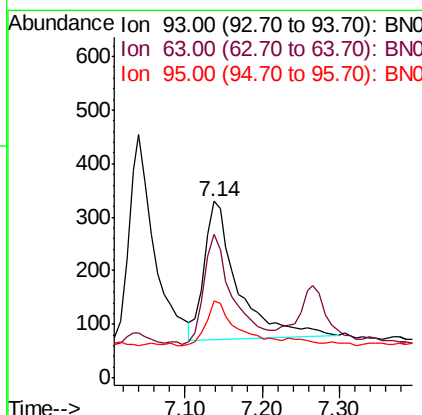
RT: 7.14 min Scan# 510

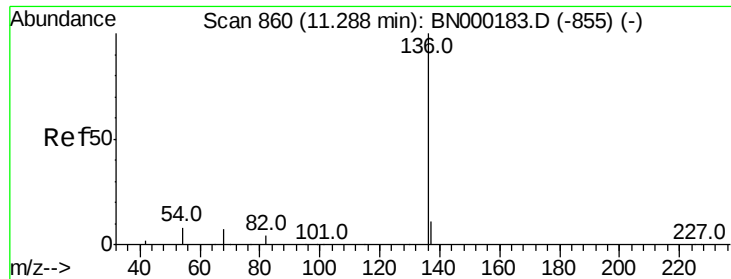
Delta R.T. 0.01 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Tgt Ion:	93	Resp:	785
Ion Ratio	Lower	Upper	
93	100		
63	69.6	56.0	84.0
95	29.8	25.2	37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. 0.00 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Instrument :

BNA_N

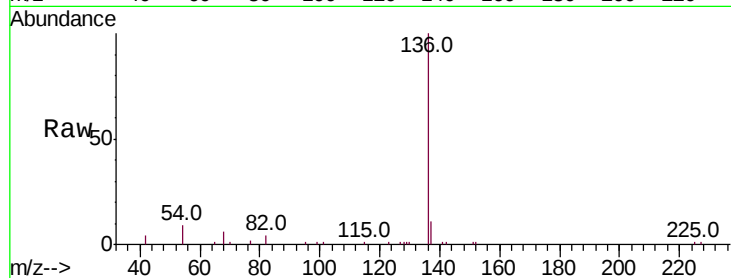
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

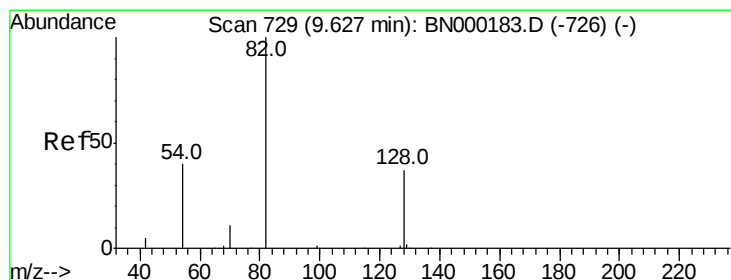
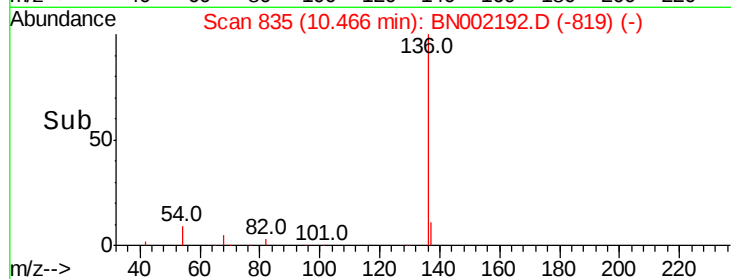
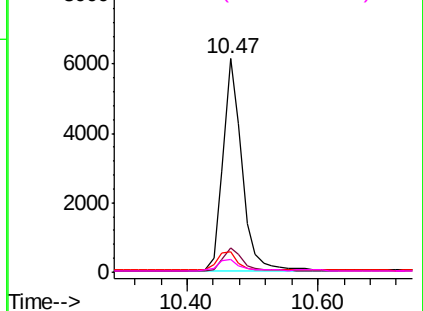
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	9.4	29.1	43.7#
68	6.3	6.2	9.2

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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: 0.348 ng

RT: 8.86 min Scan# 708

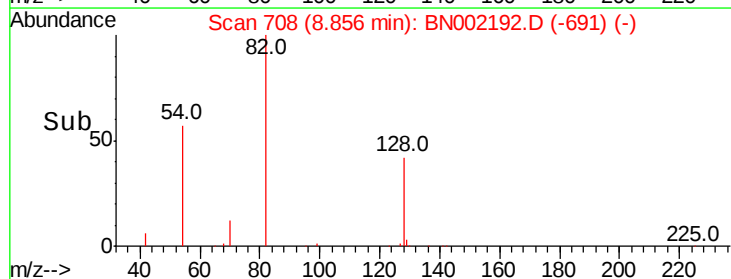
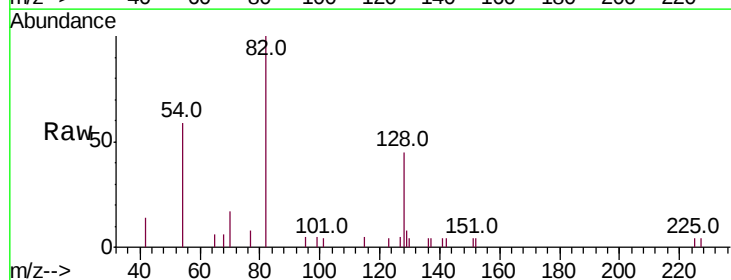
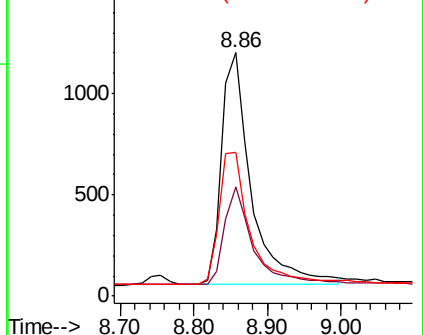
Delta R.T. 0.01 min

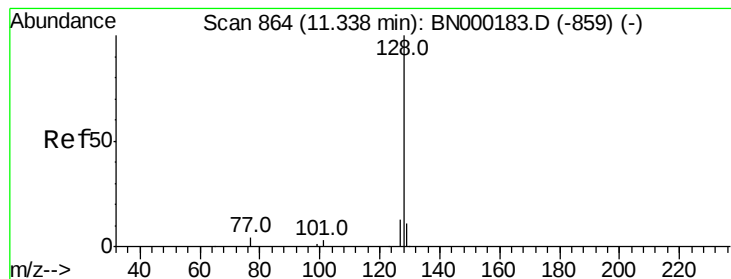
Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.8	150.0	225.0#
54	58.9	154.2	231.4#

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: 0.094 ng

RT: 10.52 min Scan# 839

Delta R.T. 0.00 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Instrument :

BNA_N

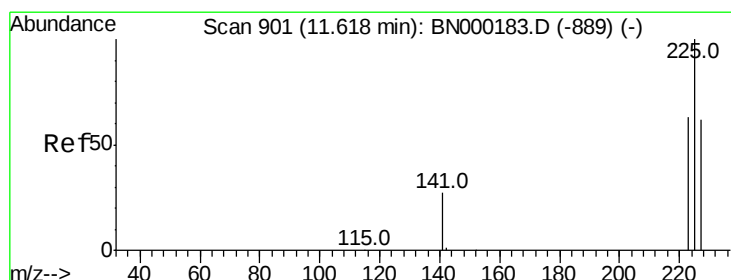
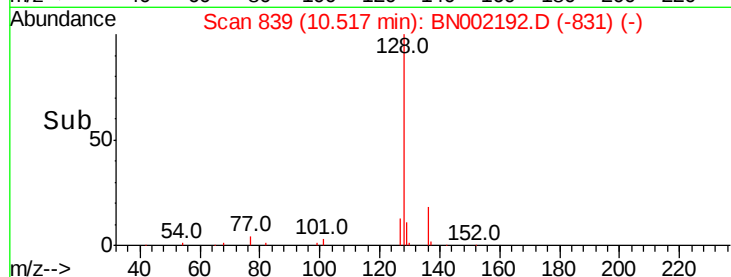
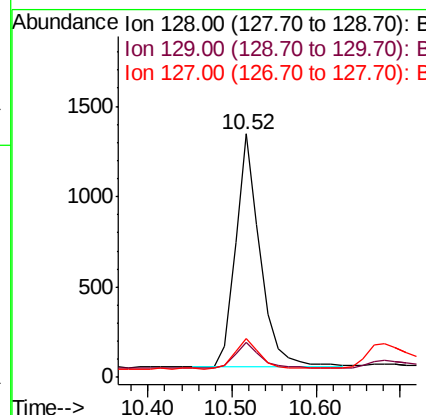
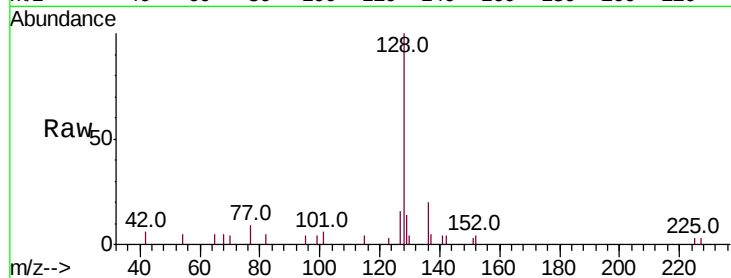
ClientSampleId :

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Tot Ion:128	Resp:	2609
Ion Ratio	Lower	Upper
128 100		
129 14.3	8.0	12.0#
127 16.2	9.6	14.4#

Manual Integrations
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#10

Hexachlorobutadiene

Concen: 0.097 ng

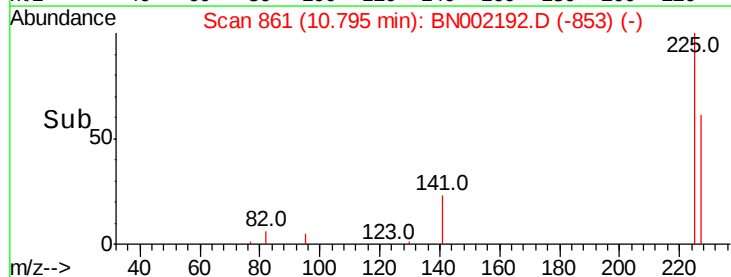
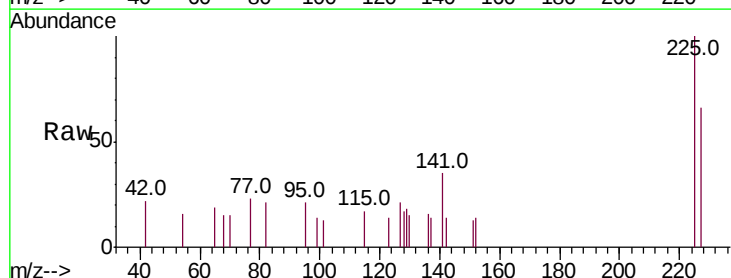
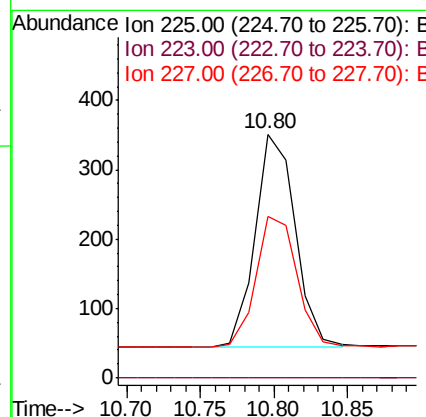
RT: 10.80 min Scan# 861

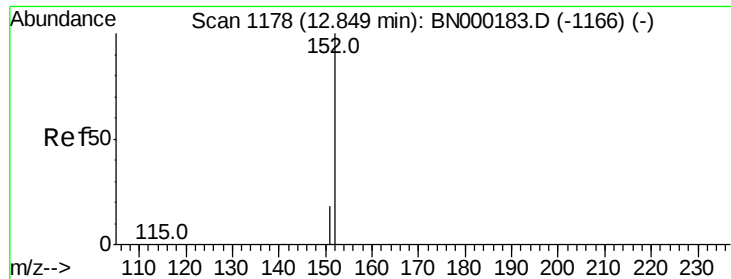
Delta R.T. 0.00 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Tgt Ion:225	Resp:	584
Ion Ratio	Lower	Upper
225 100		
223 0.0	52.0	78.0#
227 63.4	48.0	72.0





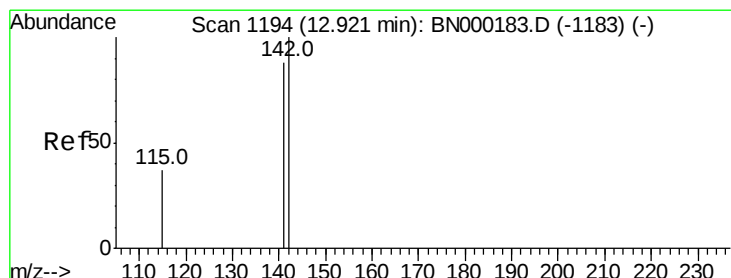
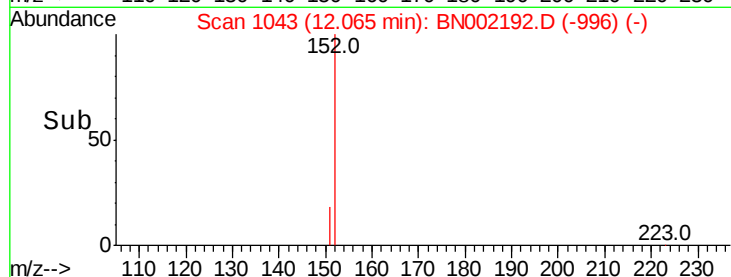
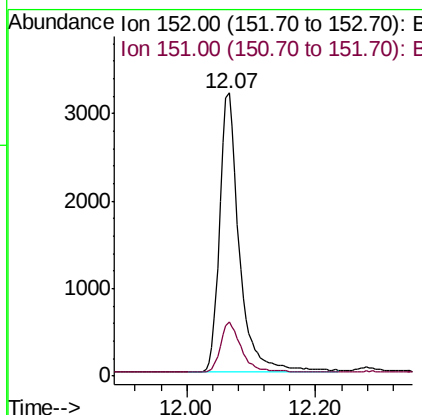
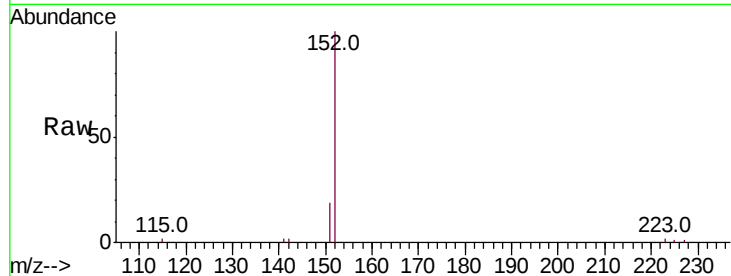
#11
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 12.07 min Scan# 1043
Delta R.T. 0.01 min
Lab File: BN002192.D
Acq: 30 Jul 2018 19:00

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:152 Resp: 6766
Ion Ratio Lower Upper
152 100
151 18.7 15.4 23.0

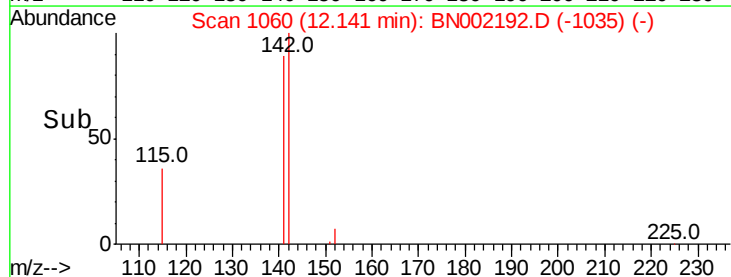
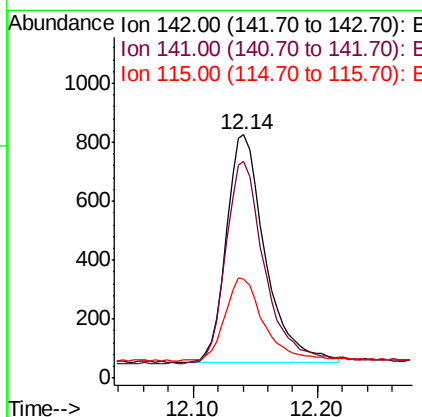
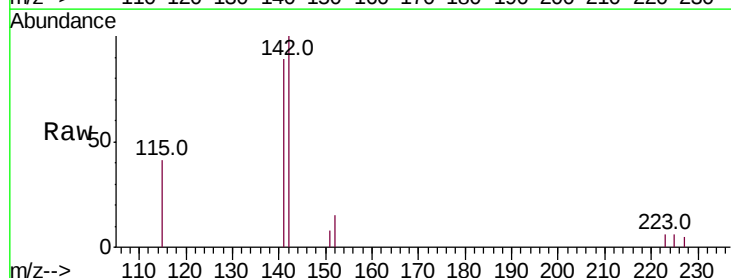
Manual Integrations
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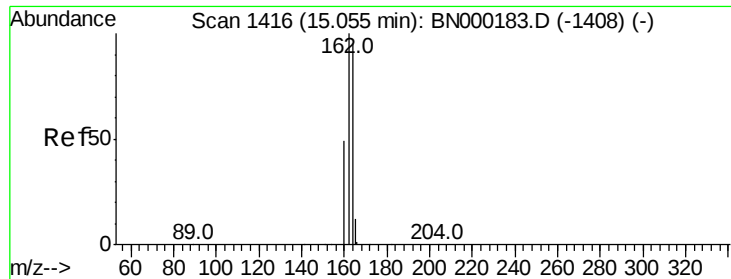
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#12
2-Methylnaphthalene
Concen: 0.090 ng
RT: 12.14 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BN002192.D
Acq: 30 Jul 2018 19:00

Tgt Ion:142 Resp: 1680
Ion Ratio Lower Upper
142 100
141 89.1 70.4 105.6
115 40.7 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Instrument :

BNA_N

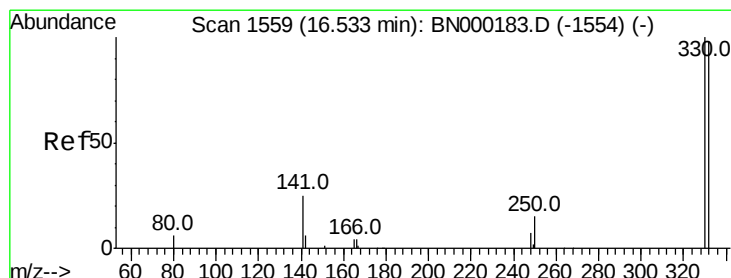
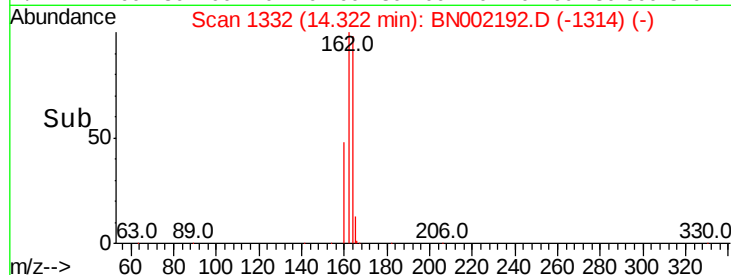
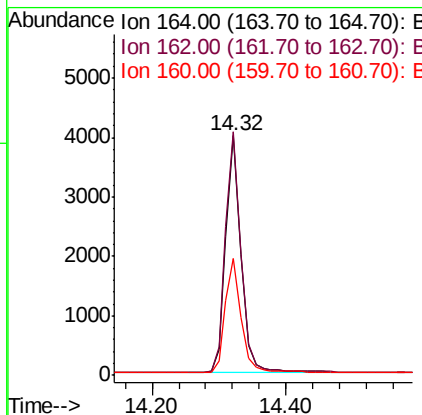
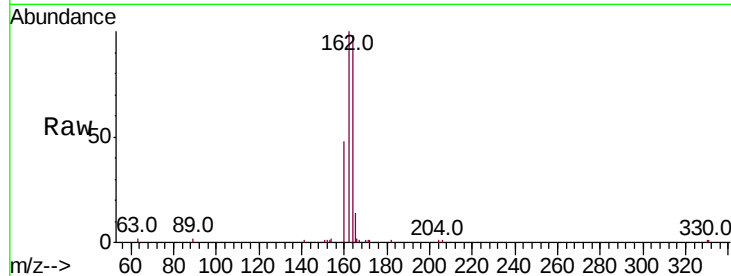
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	164	Resp:	6383
Ion Ratio	Lower	Upper	
164	100		
162	101.8	83.1	124.7
160	49.1	37.1	55.7

Manual Integrations
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#14

2,4,6-Tribromophenol

Concen: 0.249 ng

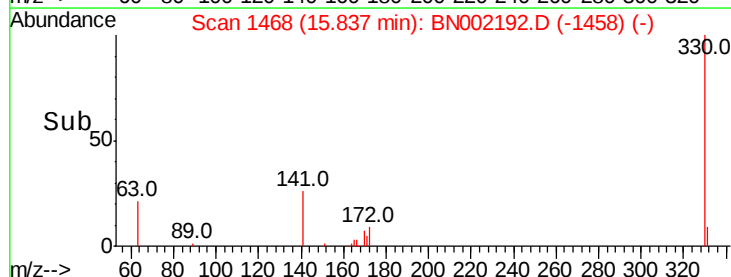
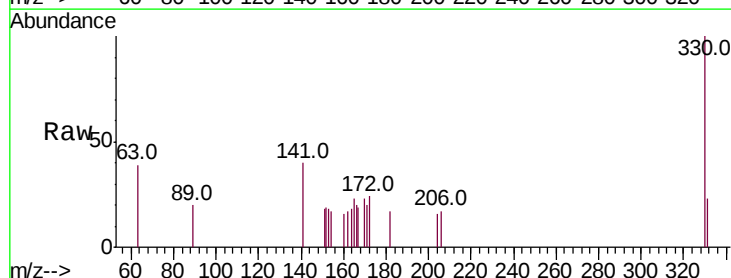
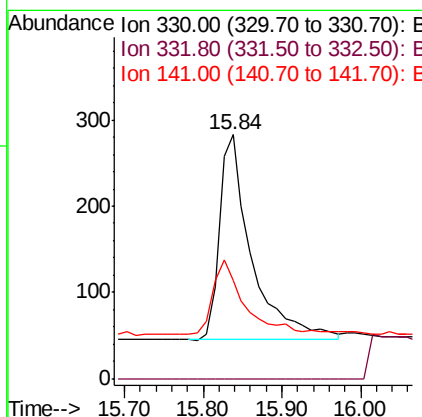
RT: 15.84 min Scan# 1468

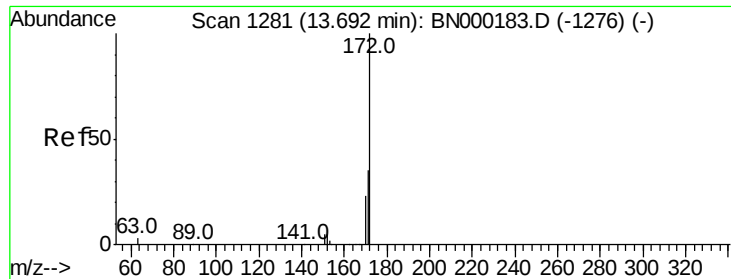
Delta R.T. 0.01 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Tgt Ion:	330	Resp:	679
Ion Ratio	Lower	Upper	
330	100		
332	0.0	152.7	229.1#
141	36.8	33.7	50.5





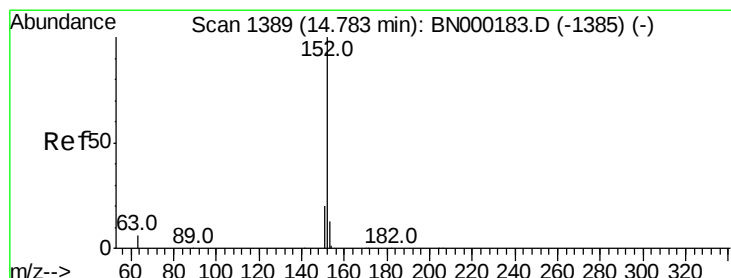
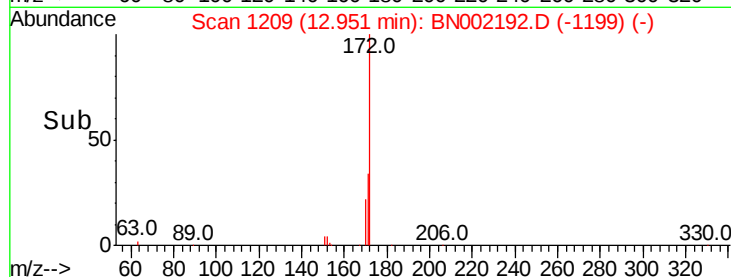
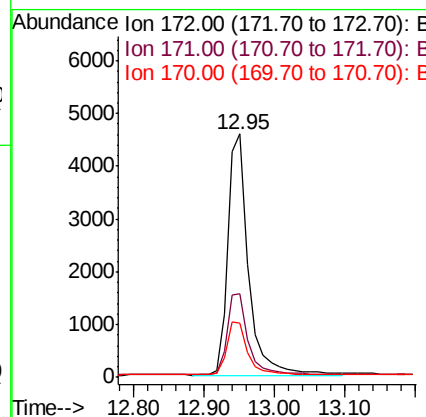
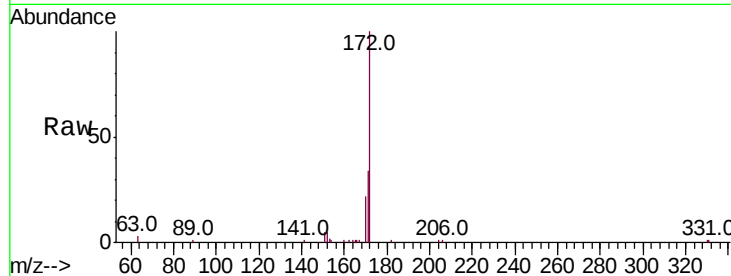
#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 12.95 min Scan# 1209
Delta R.T. 0.01 min
Lab File: BN002192.D
Acq: 30 Jul 2018 19:00

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.9	44.9
170	22.3	21.8	32.8

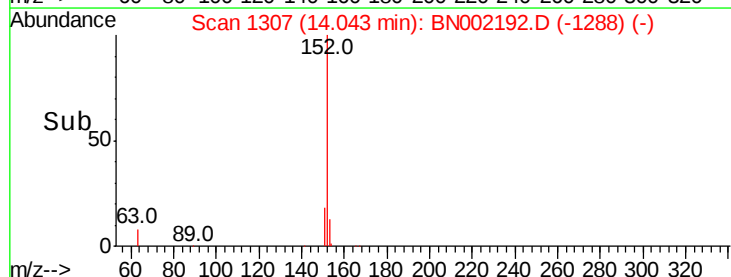
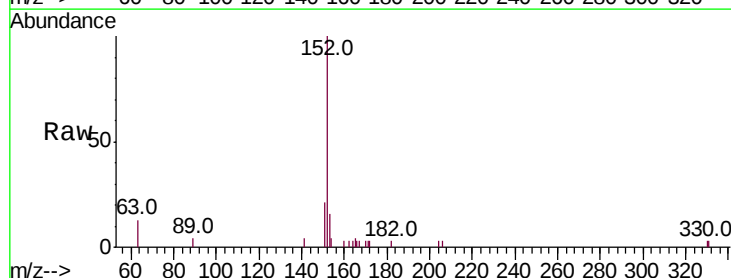
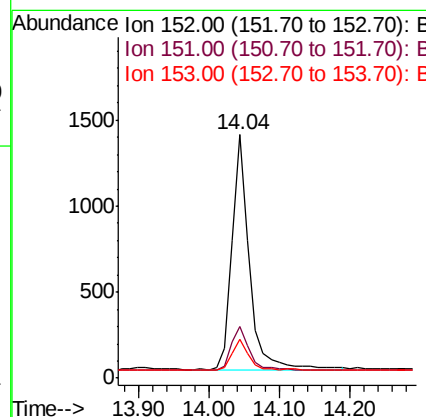
Manual Integrations
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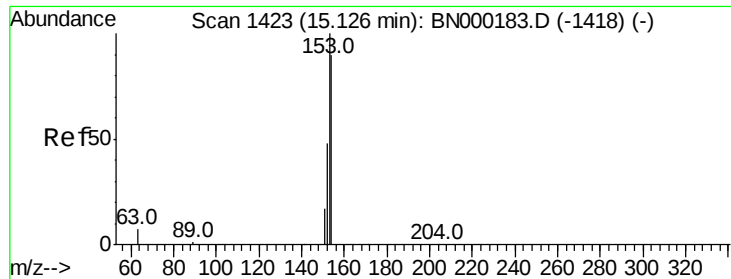
Sohil
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#16
Acenaphthylene
Concen: 0.087 ng
RT: 14.04 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BN002192.D
Acq: 30 Jul 2018 19:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	12.8	10.5	15.7





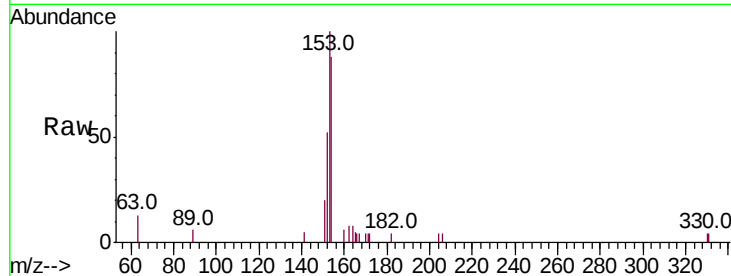
#17
Acenaphthene
Concen: 0.089 ng
RT: 14.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: BN002192.D
Acq: 30 Jul 2018 19:00

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.4	89.2	133.8
152	58.6	42.0	63.0

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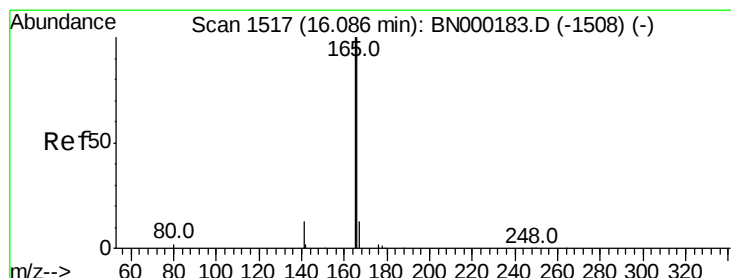
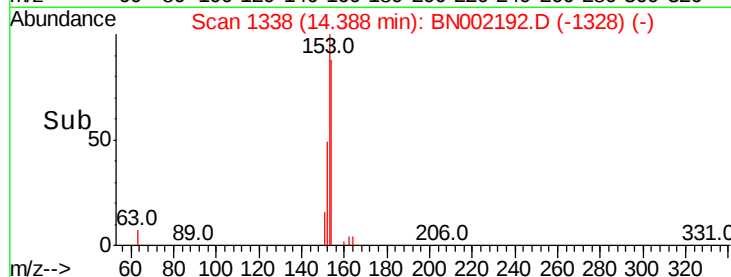
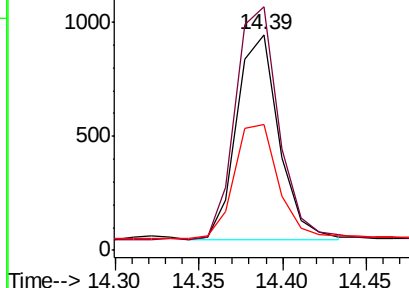


Abundance

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



#18
Fluorene
Concen: 0.086 ng
RT: 15.38 min Scan# 1427
Delta R.T. 0.01 min
Lab File: BN002192.D
Acq: 30 Jul 2018 19:00

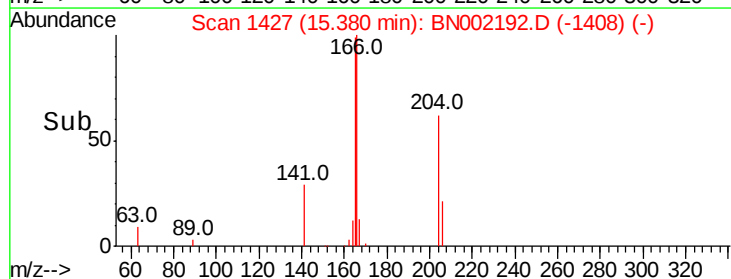
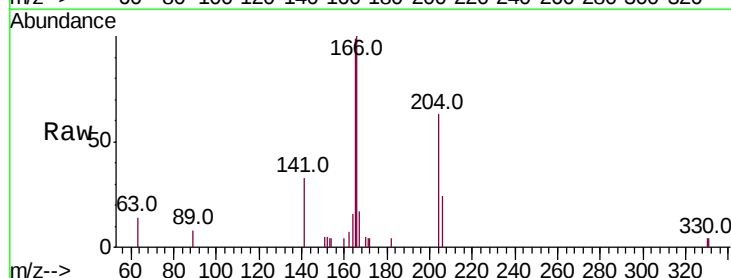
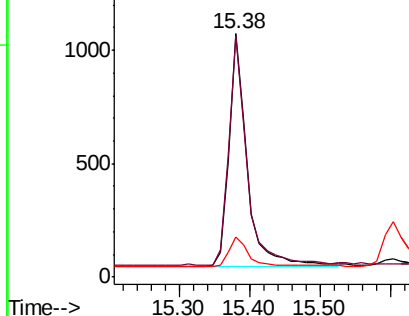
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	77.8	116.6
167	13.9	42.4	63.6#

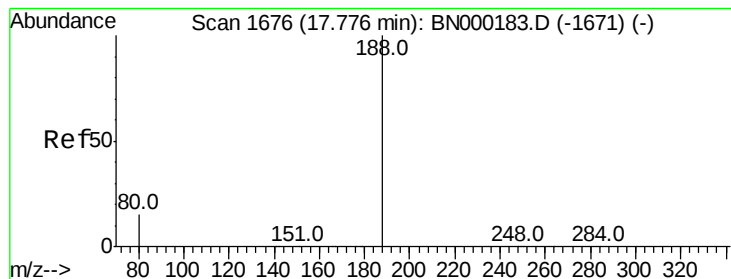
Abundance

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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Instrument :

BNA_N

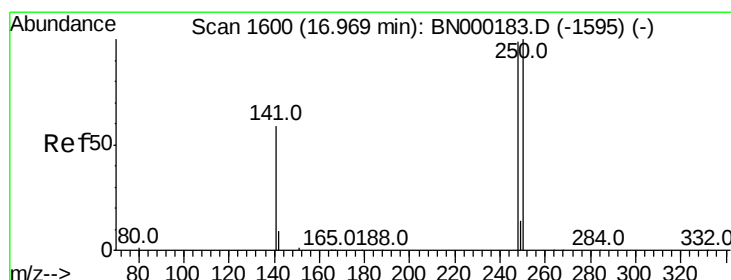
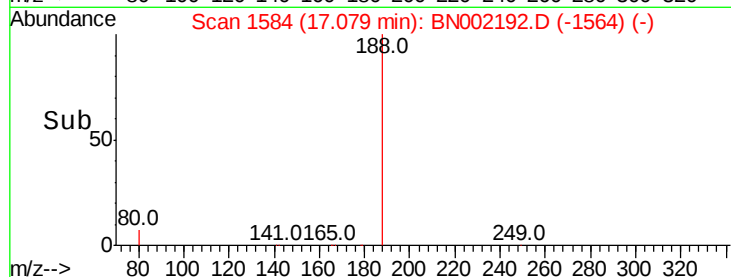
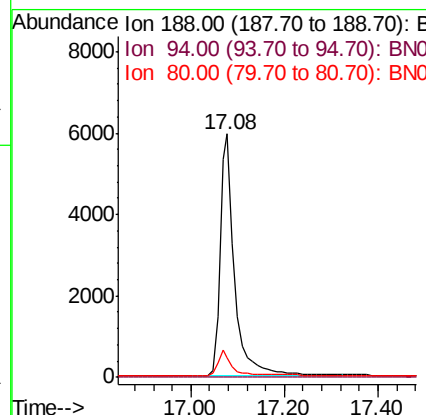
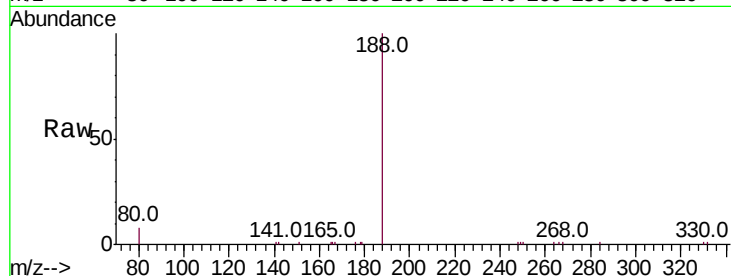
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	188	Resp:	12981
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	8.2	3.6	5.4#

Manual Integrations
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#20

4-Bromophenyl-phenylether

Concen: 0.086 ng

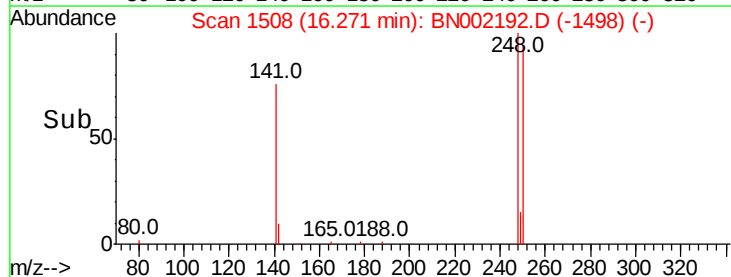
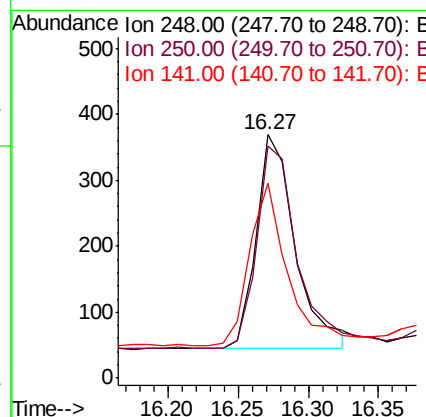
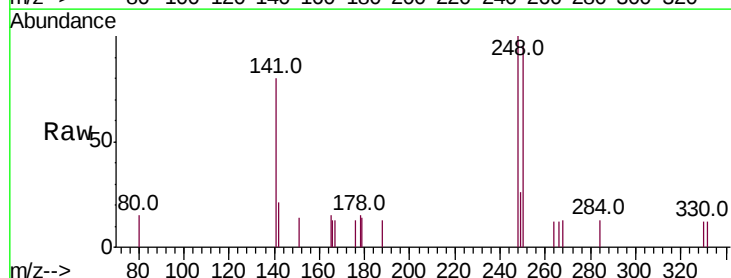
RT: 16.27 min Scan# 1508

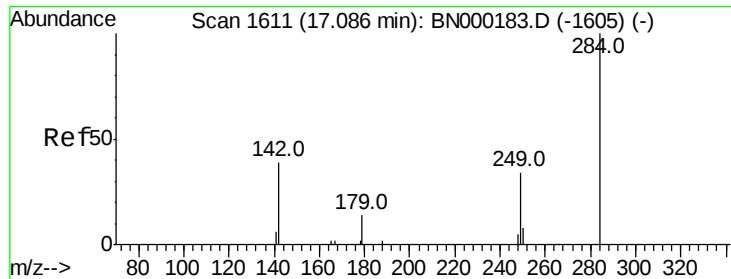
Delta R.T. 0.01 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Tgt Ion:	248	Resp:	632
Ion Ratio	Lower	Upper	
248	100		
250	95.4	62.7	94.1#
141	80.2	48.2	72.2#





#21

Hexachlorobenzene

Concen: 0.095 ng

RT: 16.39 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Instrument :

BNA_N

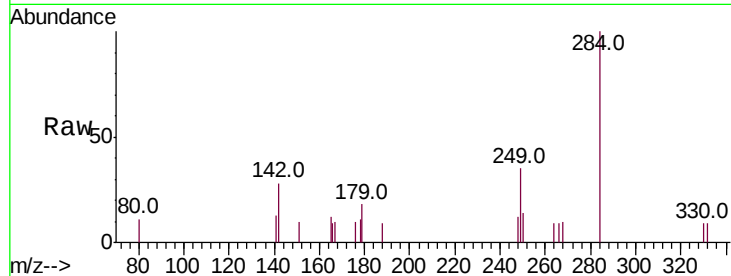
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

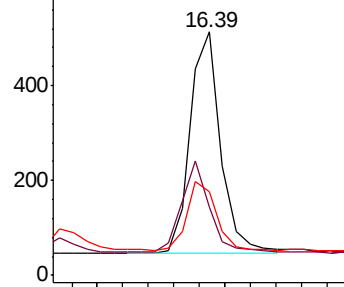
Tot Ion:	284	Resp:	772
Ion Ratio	Lower	Upper	
284	100		
142	37.7	32.0	48.0
249	30.4	24.0	36.0

Manual Integrations
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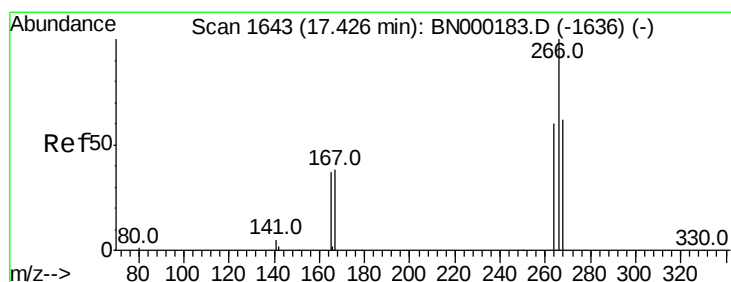
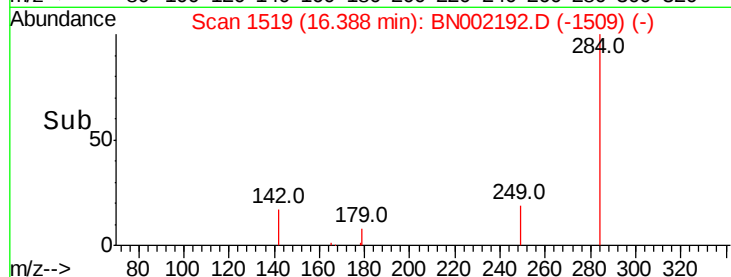
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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.135 ng

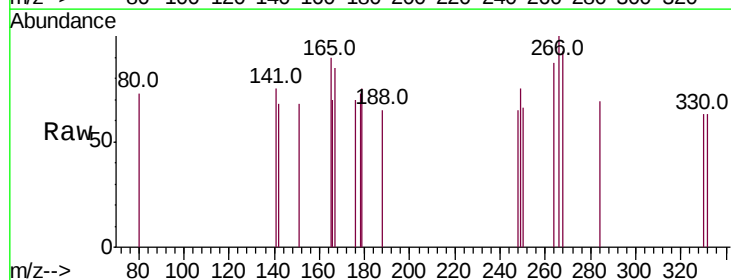
RT: 16.76 min Scan# 1554

Delta R.T. 0.02 min

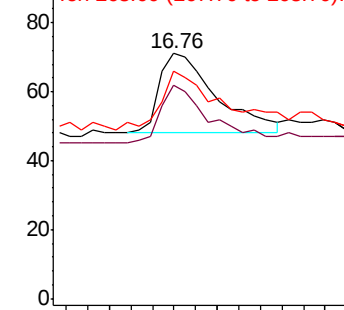
Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

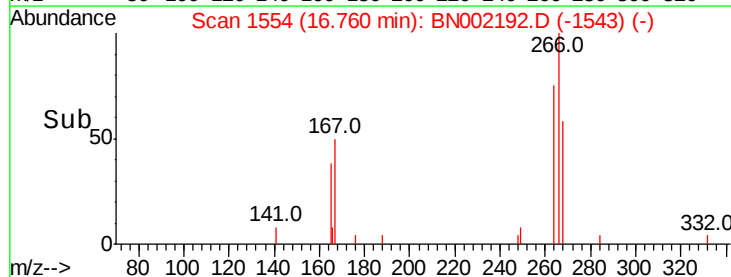
Tgt Ion:	266	Resp:	85
Ion Ratio	Lower	Upper	
266	100		
264	87.3	48.0	72.0#
268	93.0	52.0	78.0#

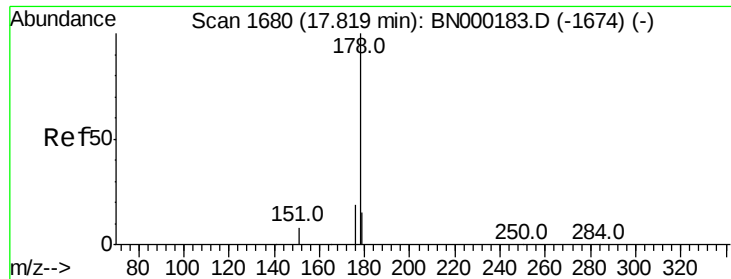


Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.089 ng

RT: 17.11 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Instrument :

BNA_N

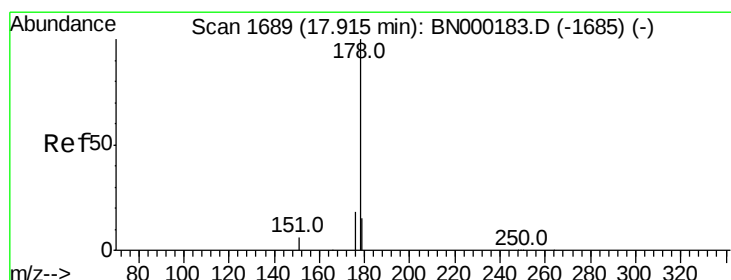
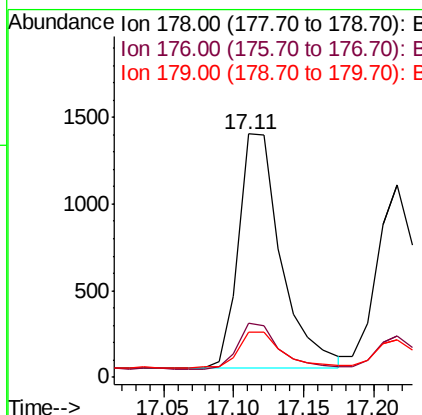
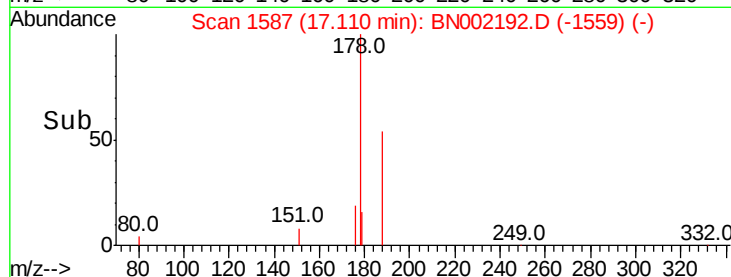
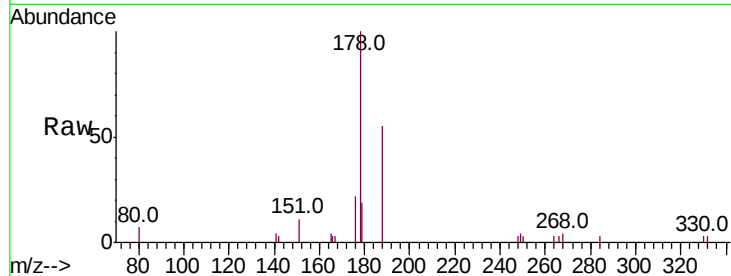
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:178	Resp:	2869
Ion Ratio	Lower	Upper
178	100	
176	18.6	15.1 22.7
179	17.0	11.8 17.6

Manual Integrations
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#24

Anthracene

Concen: 0.076 ng

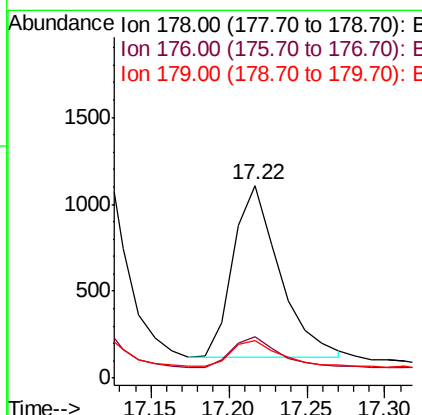
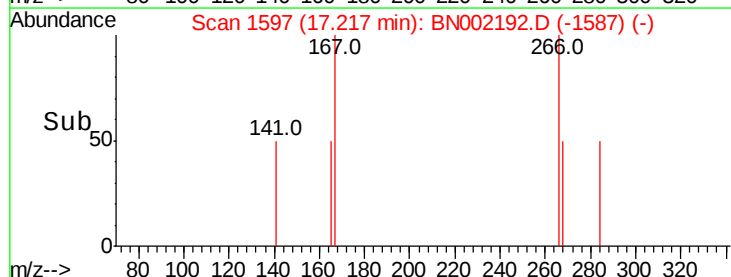
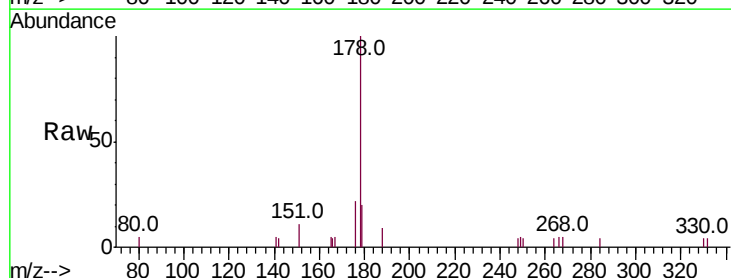
RT: 17.22 min Scan# 1597

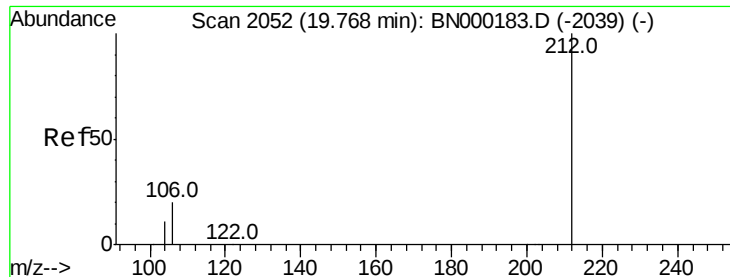
Delta R.T. 0.01 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Tgt Ion:178	Resp:	2024
Ion Ratio	Lower	Upper
178	100	
176	17.8	12.8 19.2
179	14.9	13.0 19.6





#25

Fluoranthene-d10

Concen: 0.377 ng

RT: 19.11 min Scan# 1893

Delta R.T. 0.01 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Instrument :

BNA_N

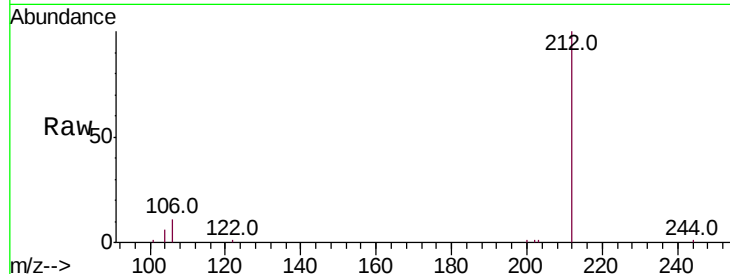
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

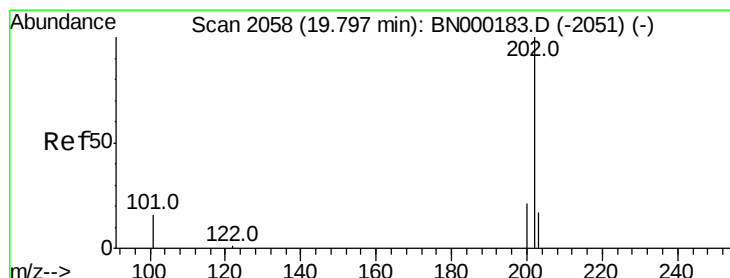
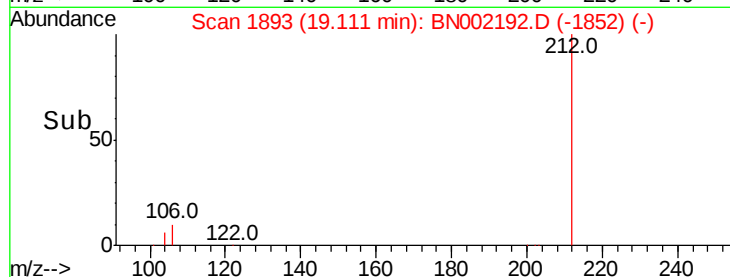
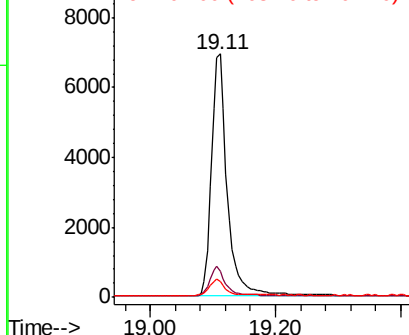
Tot Ion:	212	Resp:	12093
Ion Ratio	Lower	Upper	
212	100		
106	11.4	2.8	4.2#
104	6.3	1.6	2.4#

Manual Integrations
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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: 0.086 ng

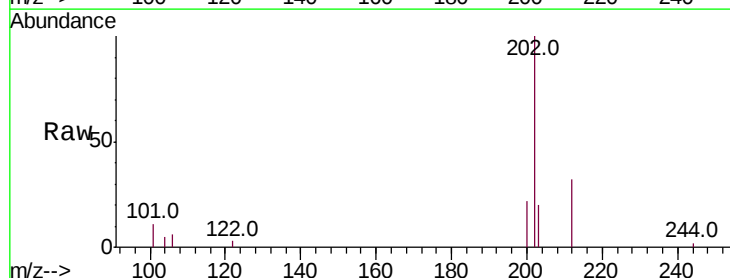
RT: 19.14 min Scan# 1899

Delta R.T. 0.00 min

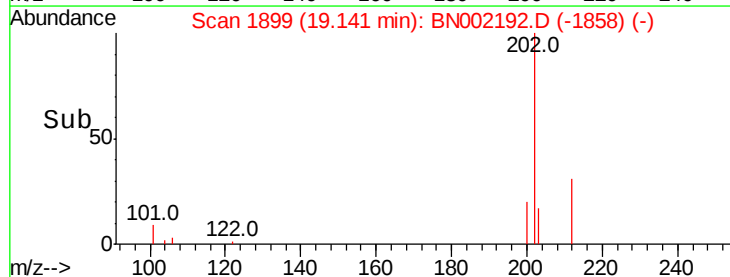
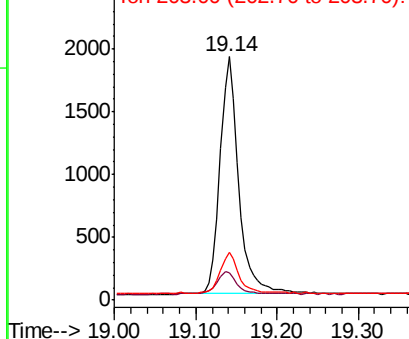
Lab File: BN002192.D

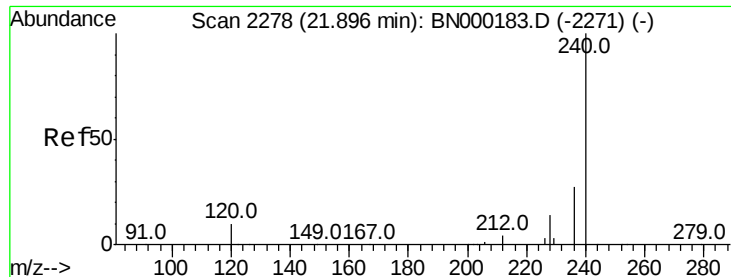
Acq: 30 Jul 2018 19:00

Tgt Ion:	202	Resp:	3022
Ion Ratio	Lower	Upper	
202	100		
101	10.1	9.8	14.8
203	17.2	13.7	20.5



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: 21.27 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:240 Resp: 11059

Ion Ratio Lower Upper

240 100

120 9.8 5.5 8.3#

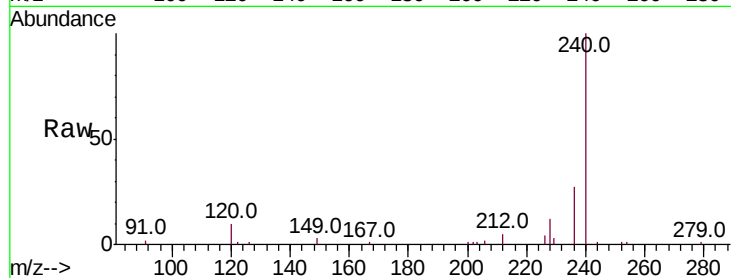
236 26.7 20.7 31.1

Manual Integrations

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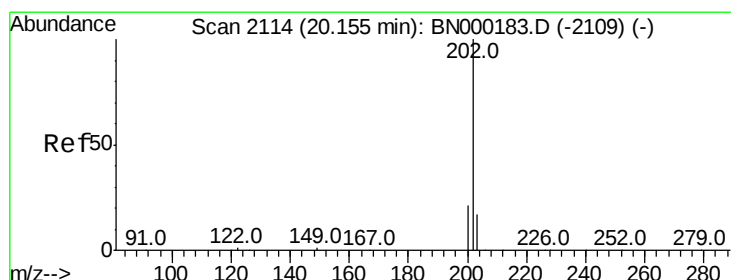
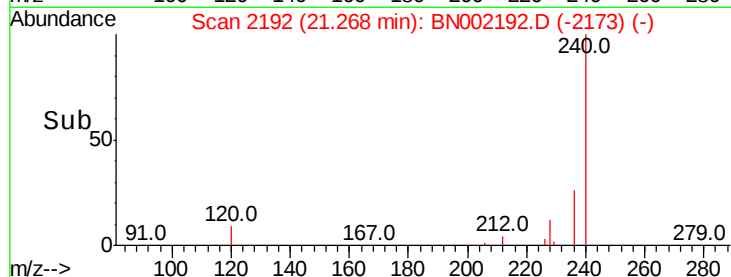
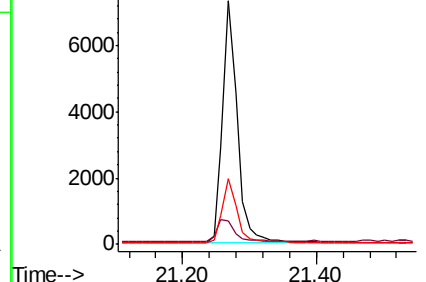
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.094 ng

RT: 19.50 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

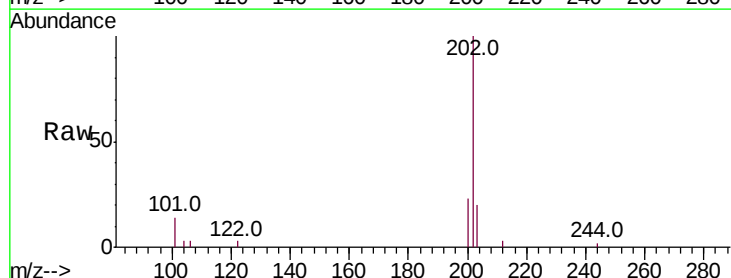
Tgt Ion:202 Resp: 3085

Ion Ratio Lower Upper

202 100

200 20.4 16.6 25.0

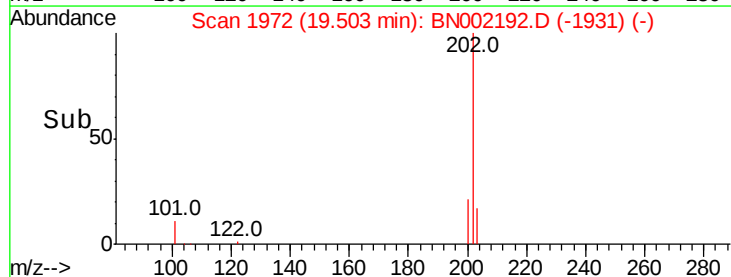
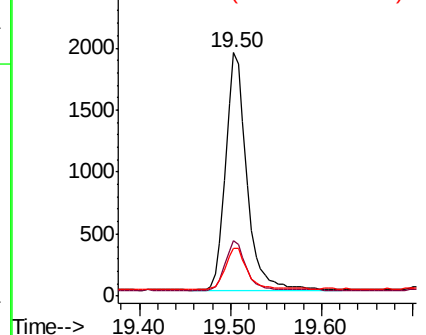
203 17.5 13.8 20.8

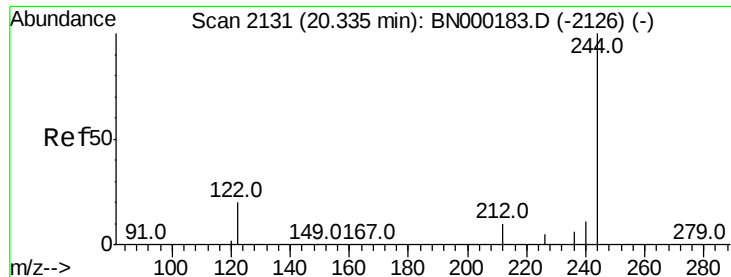


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





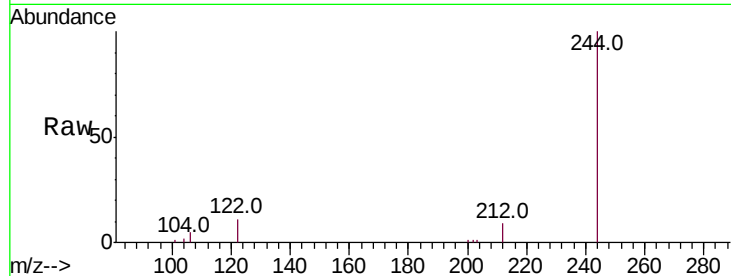
#29
 Terphenyl-d14
 Concen: 0.348 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: BN002192.D
 Acq: 30 Jul 2018 19:00

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

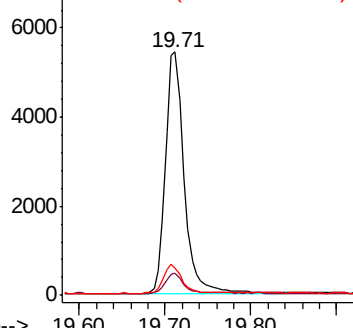
Tot Ion	Ratio	Lower	Upper
244	100		
212	8.9	25.4	38.0#
122	11.2	8.1	12.1

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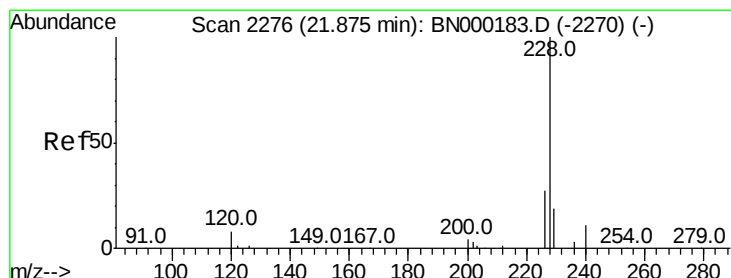
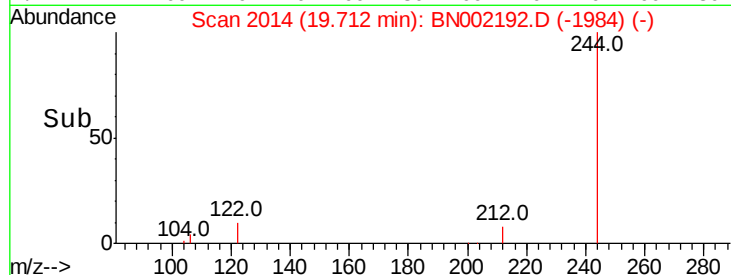
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Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



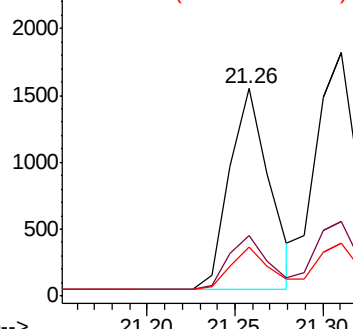
Time-->



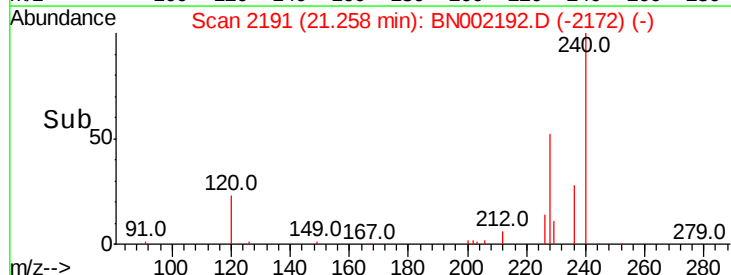
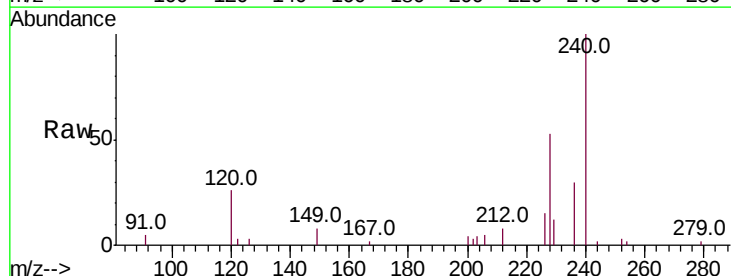
#30
 Benzo(a)anthracene
 Concen: 0.086 ng
 RT: 21.26 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: BN002192.D
 Acq: 30 Jul 2018 19:00

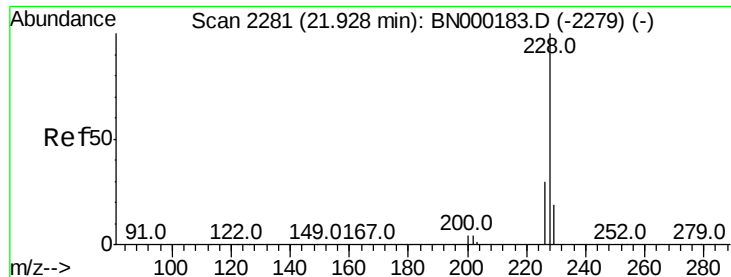
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.0	36.0
229	23.4	16.0	24.0

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



Time-->





#31

Chrysene

Concen: 0.098 ng

RT: 21.31 min Scan# 2196

Delta R.T. 0.01 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Instrument :

BNA_N

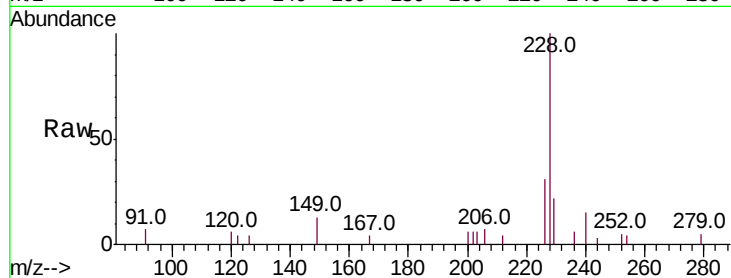
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

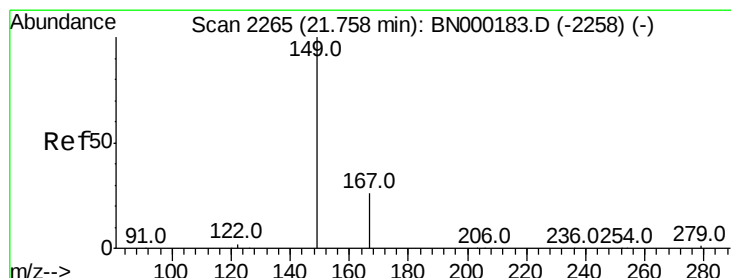
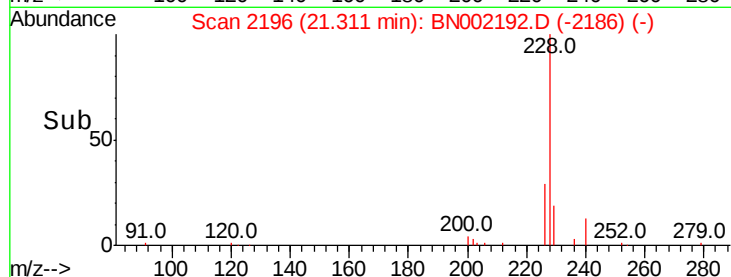
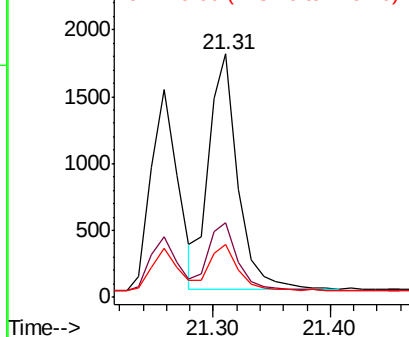
Tot Ion:228	Resp:	3046
Ion Ratio	Lower	Upper
228 100		
226 30.8	24.0	36.0
229 21.7	16.0	24.0

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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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.086 ng

RT: 21.18 min Scan# 2184

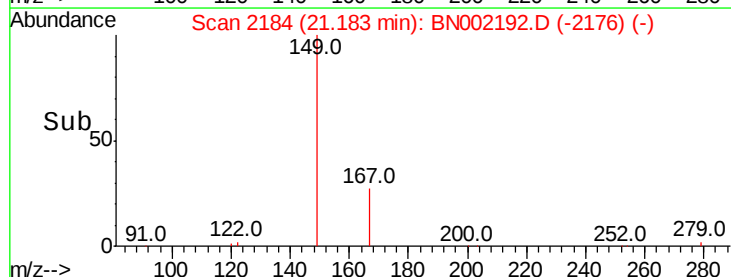
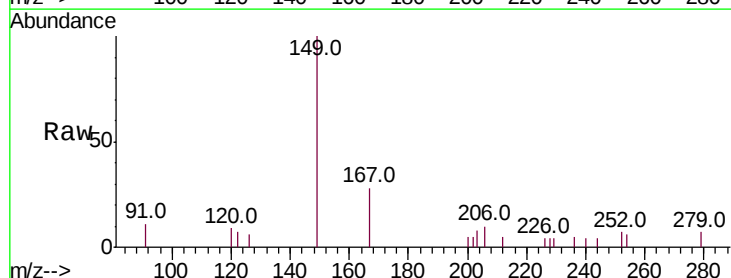
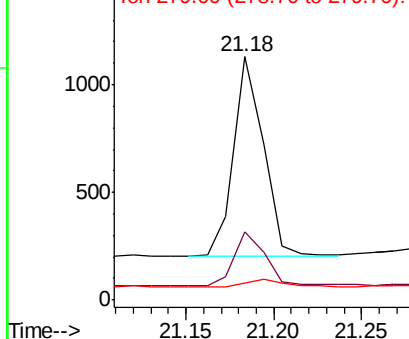
Delta R.T. -0.01 min

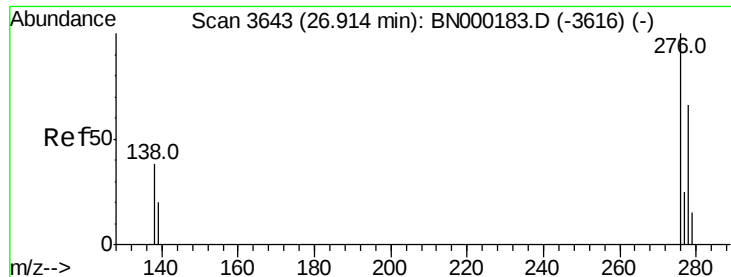
Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Tgt Ion:149	Resp:	1100
Ion Ratio	Lower	Upper
149 100		
167 27.4	20.0	30.0
279 5.2	1.6	2.4#

Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





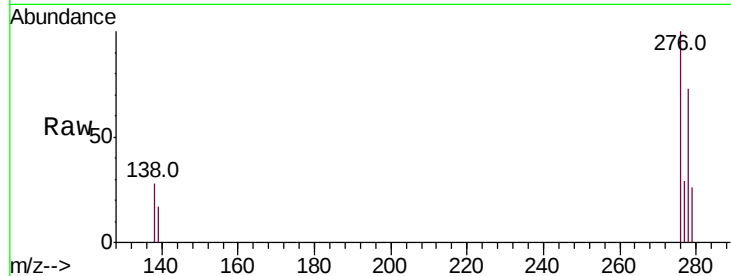
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.106 ng
 RT: 25.74 min Scan# 3273
 Delta R.T. 0.01 min
 Lab File: BN002192.D
 Acq: 30 Jul 2018 19:00

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	22.5	33.7#
277	24.9	19.9	29.9

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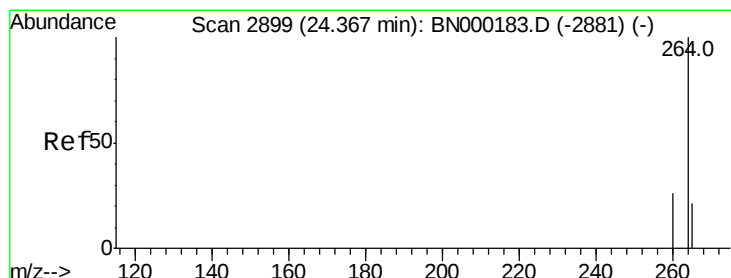
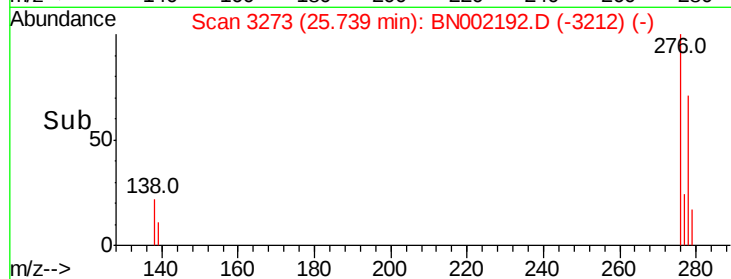
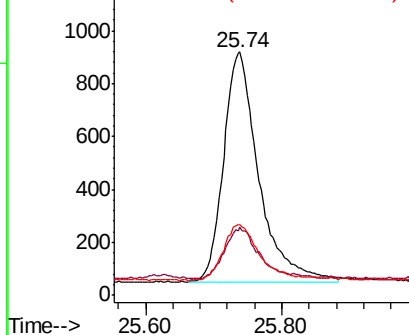


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.50 min Scan# 2619
 Delta R.T. 0.00 min
 Lab File: BN002192.D
 Acq: 30 Jul 2018 19:00

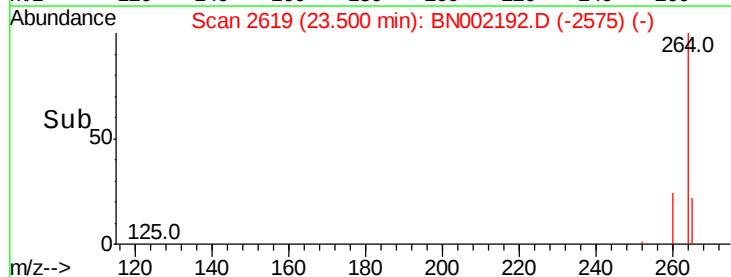
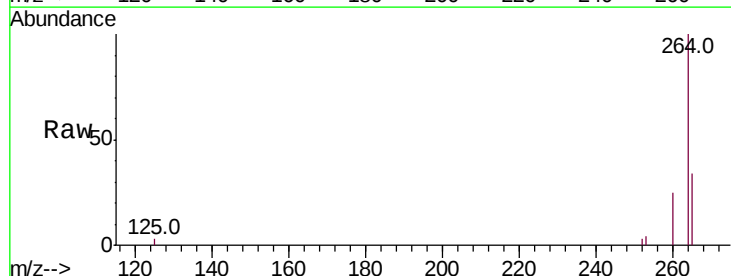
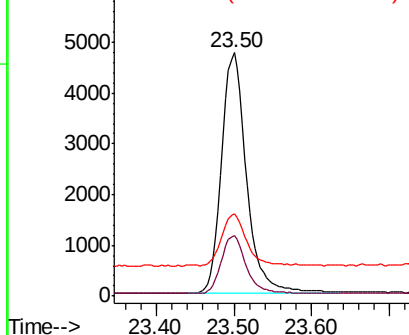
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.5	30.7
265	33.8	22.8	34.2

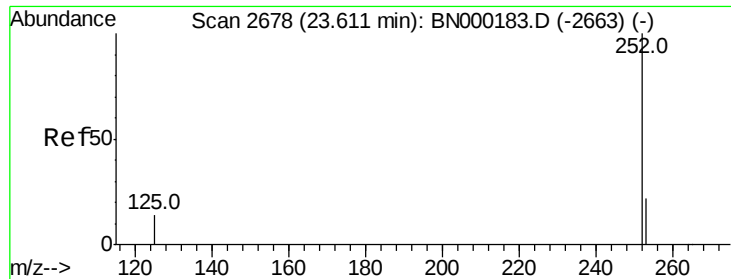
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





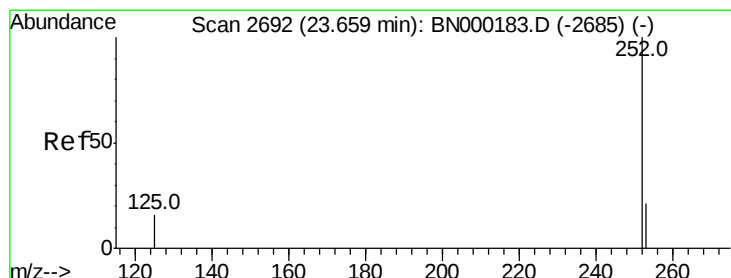
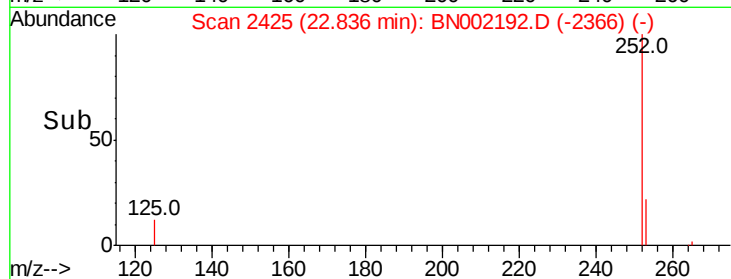
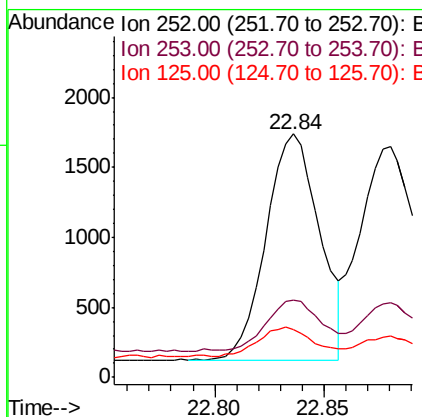
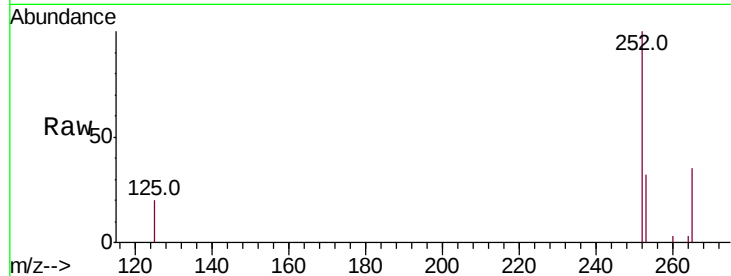
#35
Benzo(b)fluoranthene
Concen: 0.089 ng
RT: 22.84 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BN002192.D
Acq: 30 Jul 2018 19:00

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.7	20.0	30.0#
125	19.6	16.0	24.0

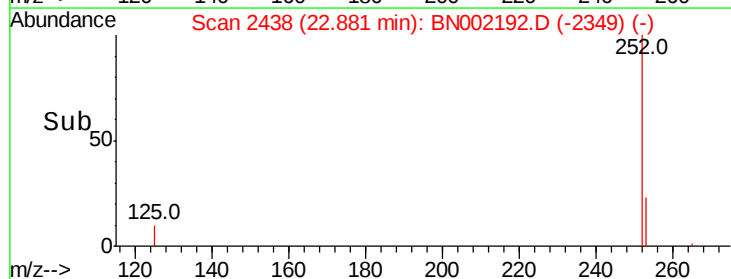
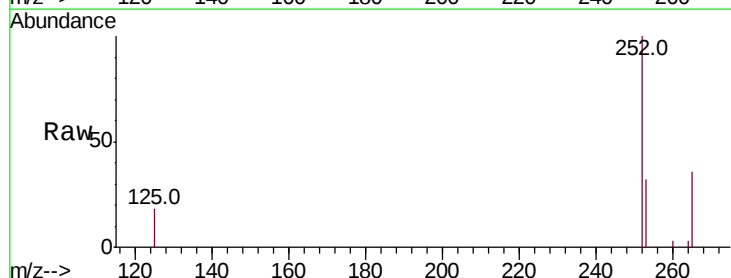
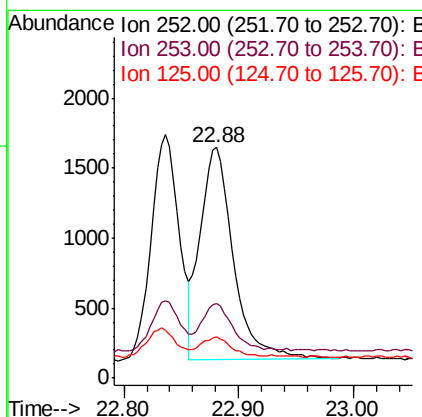
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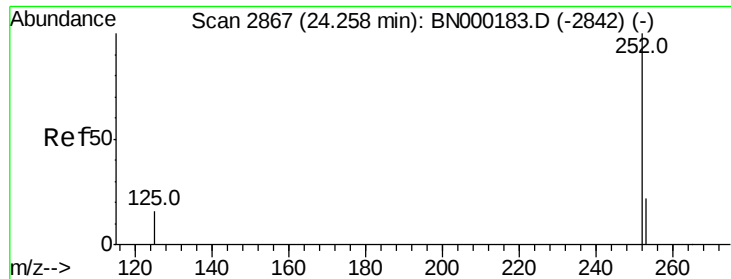
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#36
Benzo(k)fluoranthene
Concen: 0.095 ng
RT: 22.88 min Scan# 2438
Delta R.T. 0.00 min
Lab File: BN002192.D
Acq: 30 Jul 2018 19:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.1	16.0	24.0#
125	18.1	8.0	12.0#





#37

Benzo(a)pyrene

Concen: 0.093 ng

RT: 23.41 min Scan# 2592

Delta R.T. 0.01 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Instrument :

BNA_N

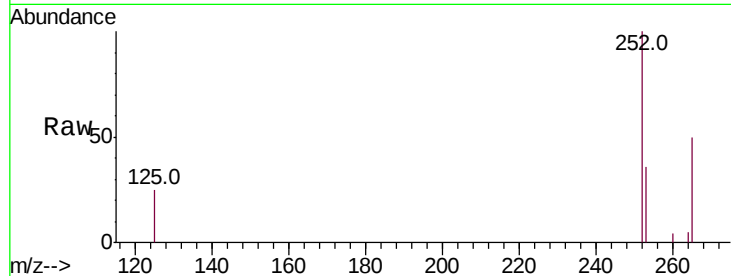
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

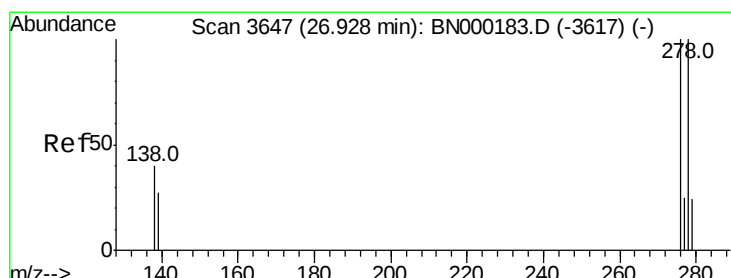
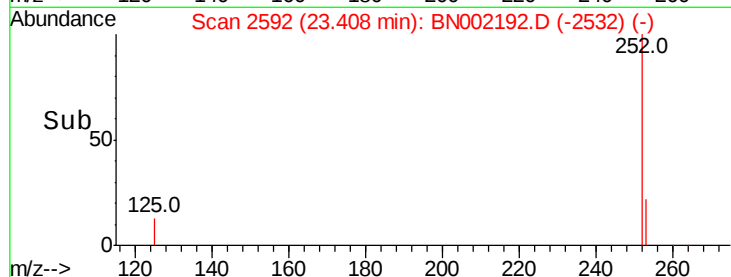
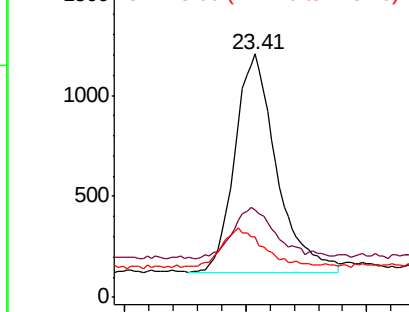
Tot Ion:	252	Resp:	2602
Ion Ratio	Lower	Upper	
252	100		
253	36.2	16.0	24.0#
125	24.9	12.0	18.0#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.093 ng

RT: 25.75 min Scan# 3275

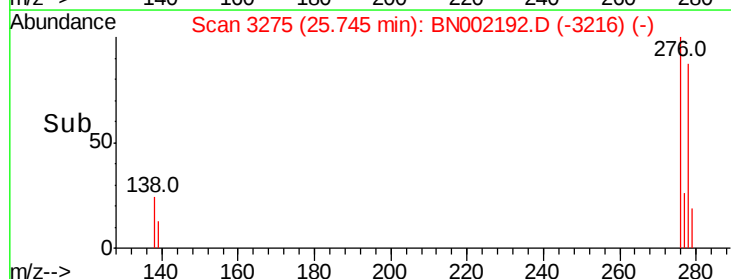
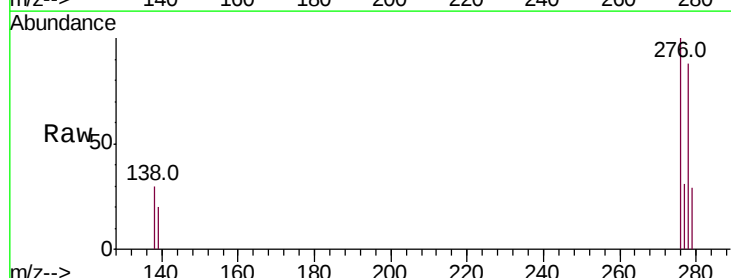
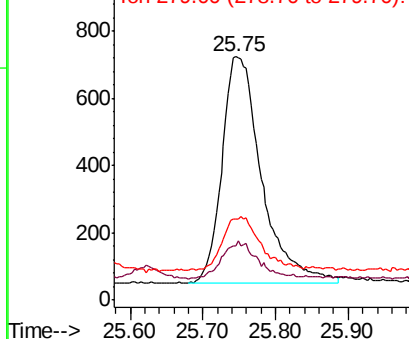
Delta R.T. 0.00 min

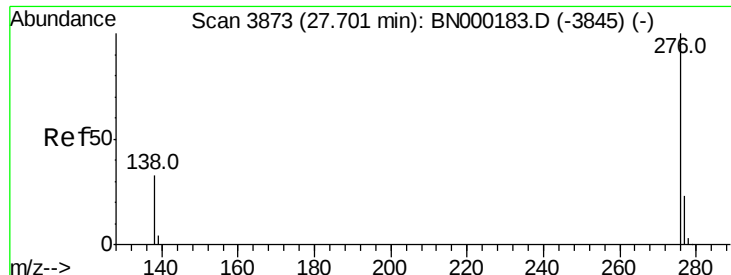
Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Tgt Ion:	278	Resp:	2544
Ion Ratio	Lower	Upper	
278	100		
139	22.3	16.0	24.0
279	33.4	20.0	30.0#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.097 ng

RT: 26.41 min Scan# 3470

Delta R.T. 0.01 min

Lab File: BN002192.D

Acq: 30 Jul 2018 19:00

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.7	16.0	24.0
138	26.0	20.0	30.0

Manual Integrations
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