

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011520\
 Data File : BN009376.D
 Acq On : 15 Jan 2020 12:59
 Operator : JU
 Sample : K3591-02
 Misc : L00-S-0.1NG
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Manual Integrations
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Quant Time: Jan 15 17:10:11 2020

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 15 16:07:02 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	1371	0.40	ng	0.00
7) Naphthalene-d8	10.24	136	4569	0.40	ng	0.01
13) Acenaphthene-d10	14.11	164	3056	0.40	ng	0.00
19) Phenanthrene-d10	16.87	188	6762	0.40	ng	0.00
27) Chrysene-d12	21.07	240	5879	0.40	ng	0.00
34) Perylene-d12	23.19	264	6003	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.12	112	1180	0.37	ng	0.00
5) Phenol-d6	6.69	99	1267	0.35	ng	0.00
8) Nitrobenzene-d5	8.66	82	1176	0.32	ng	0.03
11) 2-Methylnaphthalene-d10	11.85	152	2739	0.31	ng	0.01
14) 2,4,6-Tribromophenol	15.63	330	376	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.74	172	3950	0.35	ng	0.02
25) Fluoranthene-d10	18.90	212	7063	0.30	ng	0.00
29) Terphenyl-d14	19.52	244	5592	0.40	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.14	88	131	0.092	ng	94
3) n-Nitrosodimethylamine	3.55	42	213m	0.096	ng	
6) bis(2-Chloroethyl)ether	6.94	93	304	0.081	ng	# 79
9) Naphthalene	10.29	128	1110	0.090	ng	# 80
10) Hexachlorobutadiene	10.57	225	224	0.083	ng	# 99
12) 2-Methylnaphthalene	11.92	142	741	0.086	ng	# 93
16) Acenaphthylene	13.83	152	990	0.075	ng	98
17) Acenaphthene	14.17	154	771	0.083	ng	98
18) Fluorene	15.18	166	990	0.082	ng	99
20) 4-Bromophenyl-phenylether	16.08	248	303	0.074	ng	97
21) Hexachlorobenzene	16.18	284	365	0.084	ng	98
22) Pentachlorophenol	16.56	266	230	0.189	ng	94
23) Phenanthrene	16.91	178	1625	0.080	ng	98
24) Anthracene	17.02	178	1306	0.077	ng	98
26) Fluoranthene	18.93	202	2014	0.085	ng	100
28) Pyrene	19.30	202	2023	0.091	ng	99
30) Benzo(a)anthracene	21.06	228	1631	0.084	ng	93
31) Chrysene	21.11	228	1884	0.085	ng	95
32) Bis(2-ethylhexyl)phthalate	21.00	149	756	0.088	ng	99
33) Indeno(1,2,3-cd)pyrene	25.29	276	1784	0.078	ng	98
35) Benzo(b)fluoranthene	22.57	252	1726	0.078	ng	# 57
36) Benzo(k)fluoranthene	22.61	252	2237	0.092	ng	# 61
37) Benzo(a)pyrene	23.12	252	1702	0.088	ng	# 1
38) Dibenzo(a,h)anthracene	25.30	278	1436	0.073	ng	# 56
39) Benzo(g,h,i)perylene	25.91	276	1859	0.086	ng	# 85

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

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Misc : L00-S-0.1NG
ALS Vial : 6 Sample Multiplier: 1

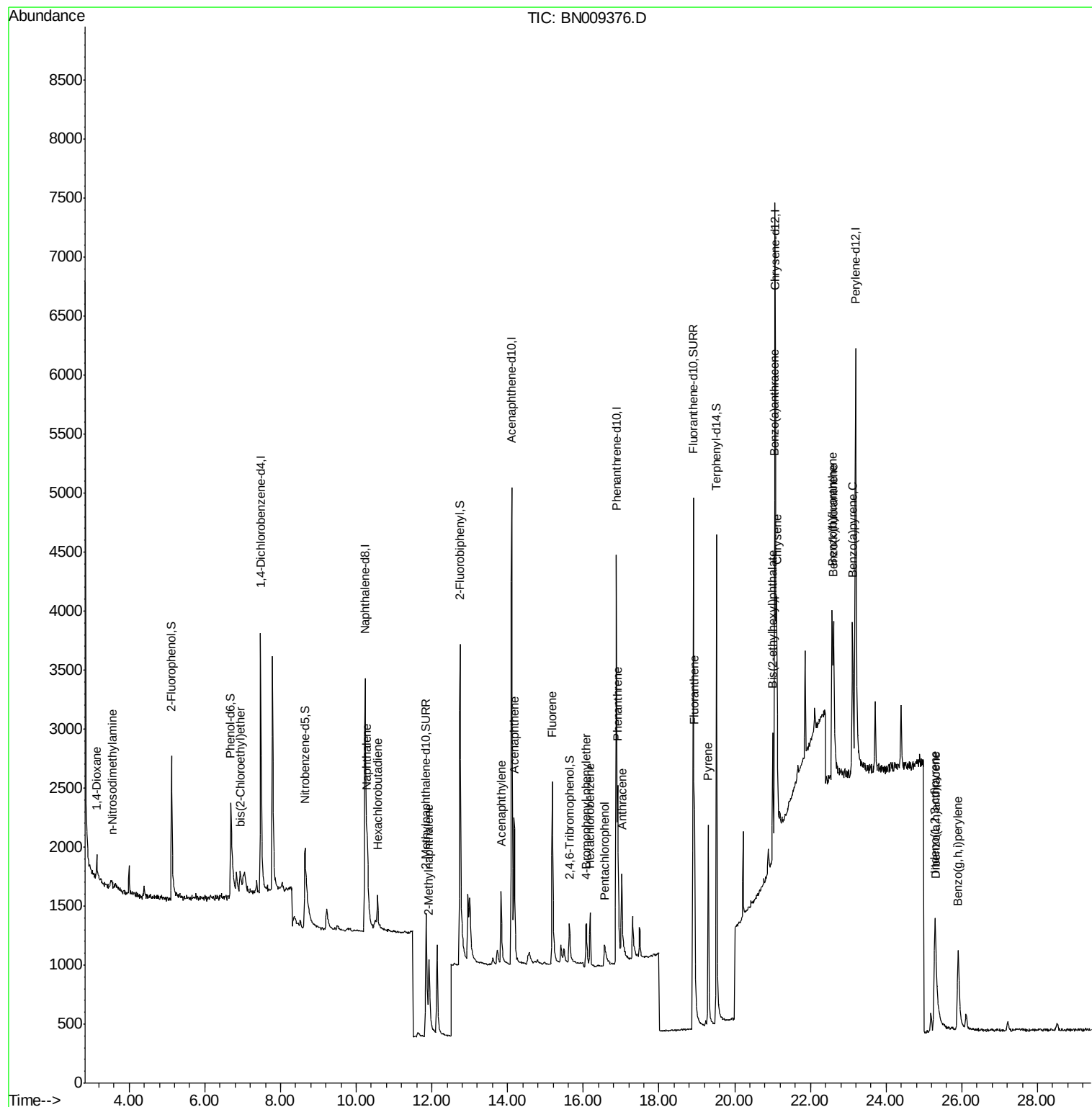
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2019

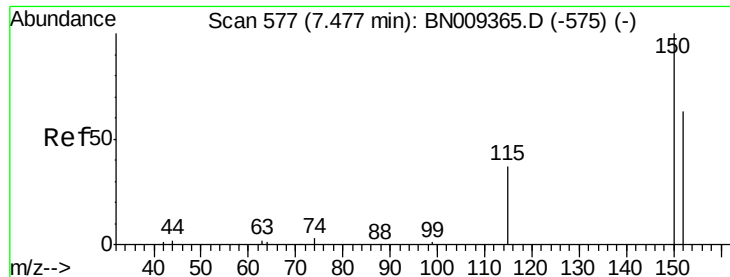
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Quant Time: Jan 15 17:10:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 15 16:07:02 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BN009376.D
Acq: 15 Jan 2020 12:59

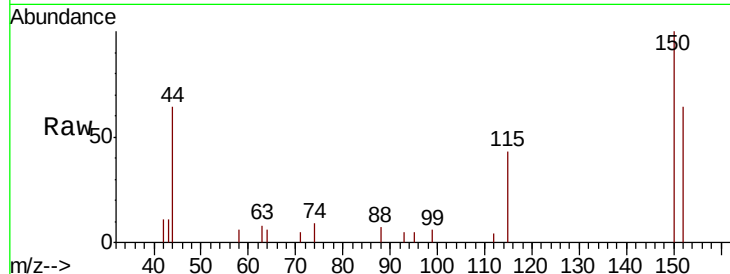
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.7	188.5
115	67.1	53.3	79.9

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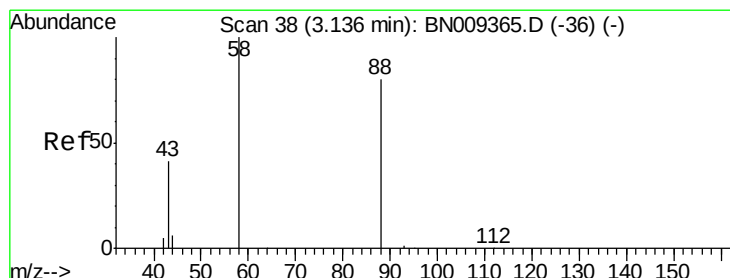
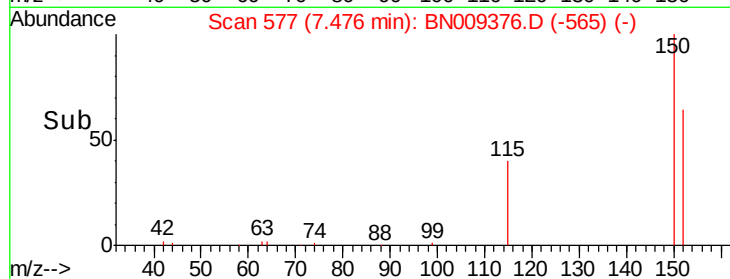
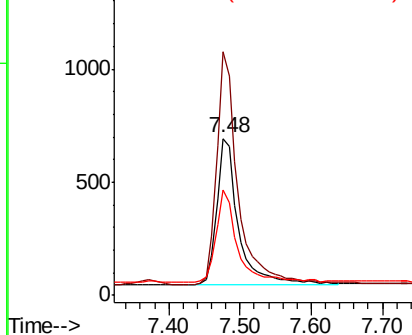


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

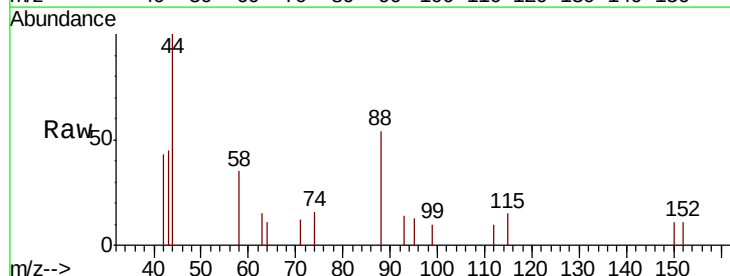
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 0.092 ng
RT: 3.14 min Scan# 39
Delta R.T. 0.01 min
Lab File: BN009376.D
Acq: 15 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	121.4	100.2	150.2
43	45.8	43.1	64.7

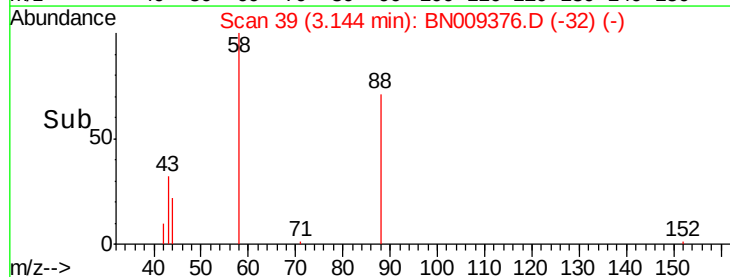
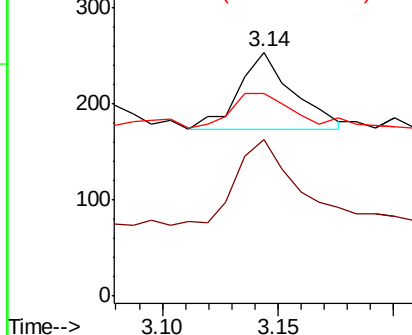


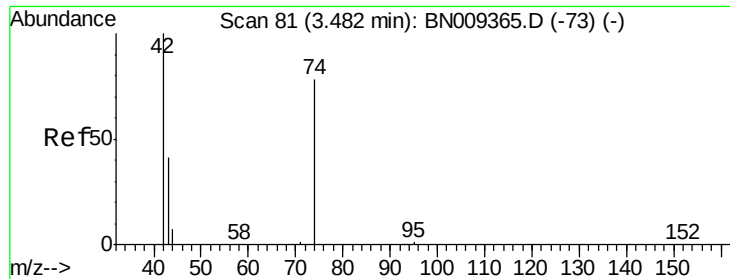
Abundance

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: 0.096 ng/ml
RT: 3.55 min Scan# 89
Delta R.T. 0.06 min
Lab File: BN009376.D
Acq: 15 Jan 2020 12:59

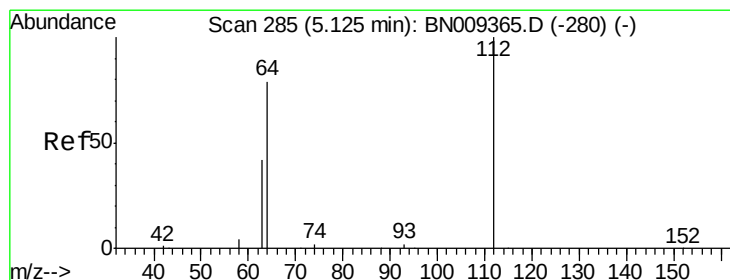
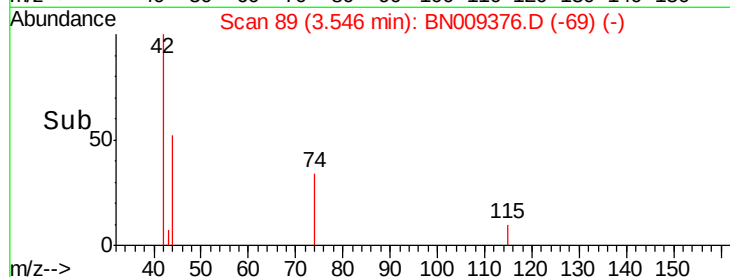
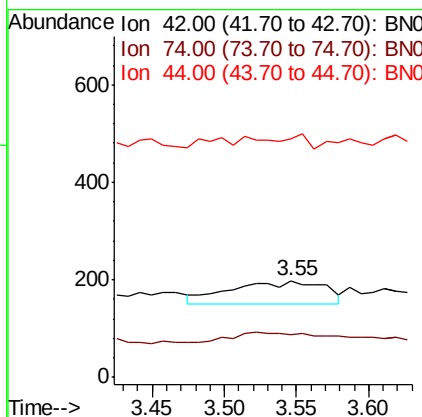
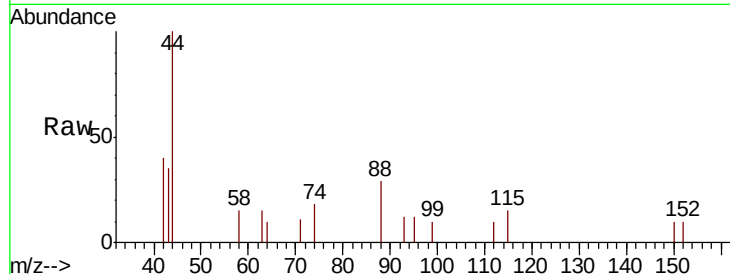
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2019

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

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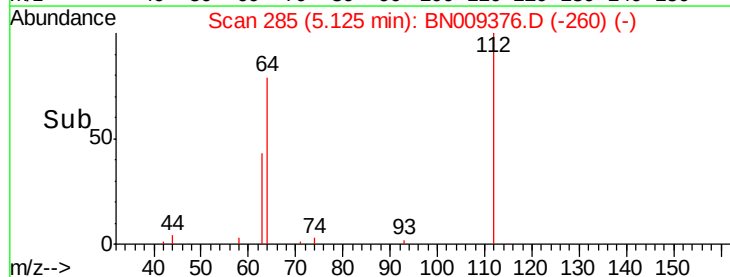
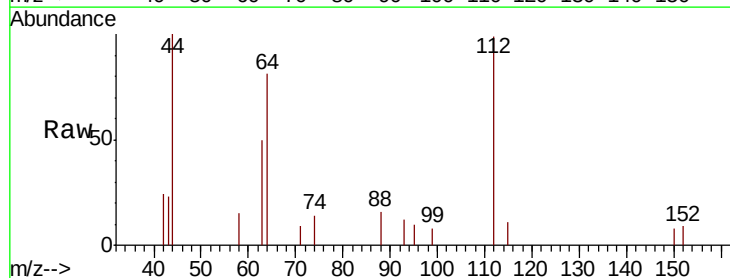
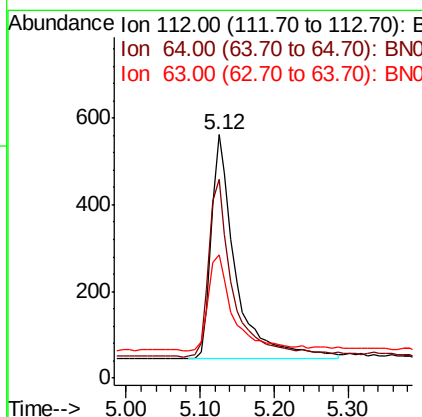
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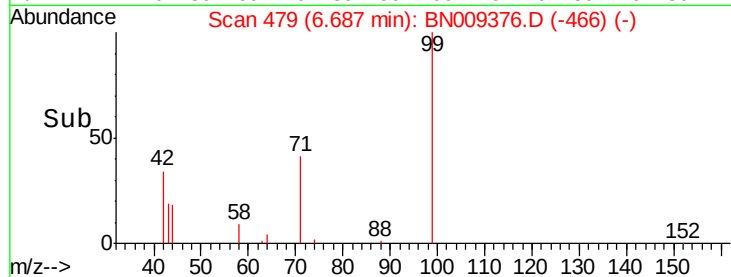
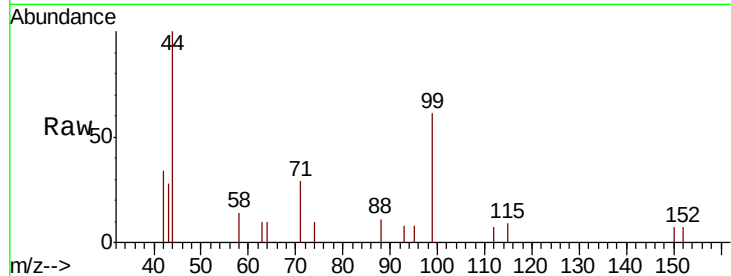
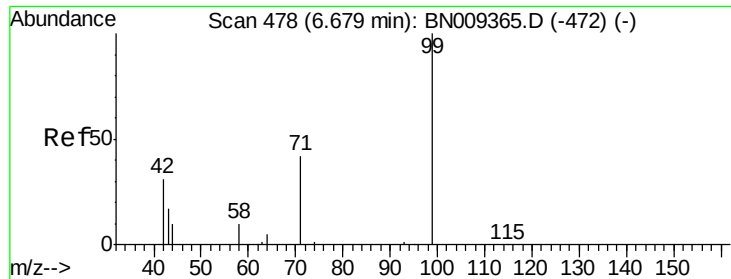
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#4
2-Fluorophenol
Concen: 0.374 ng/ml
RT: 5.12 min Scan# 285
Delta R.T. -0.00 min
Lab File: BN009376.D
Acq: 15 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	79.9	61.5	92.3
63	43.5	35.0	52.4





#5

Phenol-d6

Concen: 0.347 ng

RT: 6.69 min Scan# 479

Delta R.T. 0.01 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

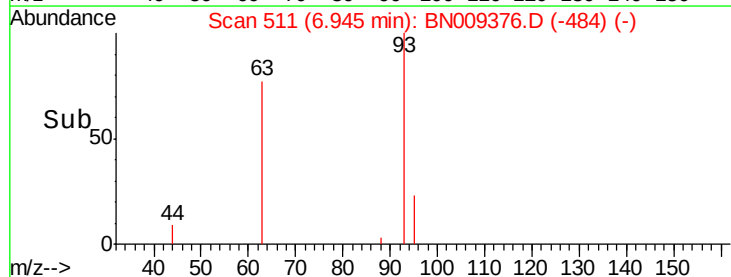
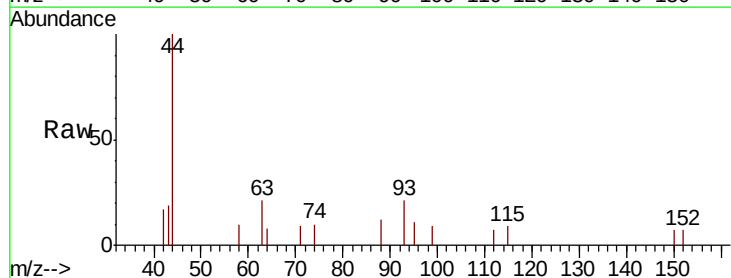
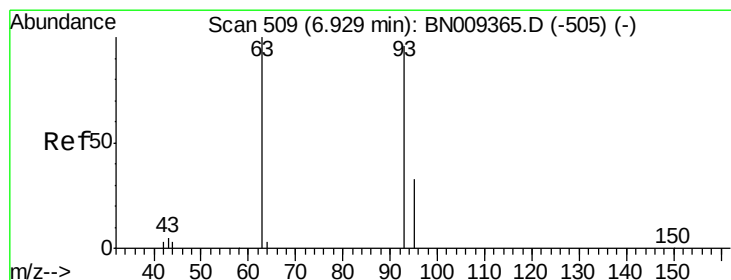
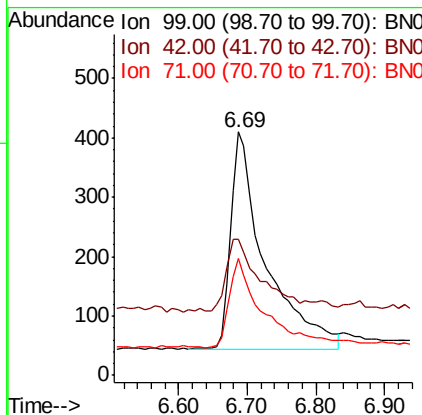
Tot Ion:	99	Resp:	1267
Ion	Ratio	Lower	Upper
99	100		
42	35.2	27.6	41.4
71	41.1	33.0	49.6

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2019

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#6

bis(2-Chloroethyl)ether

Concen: 0.081 ng

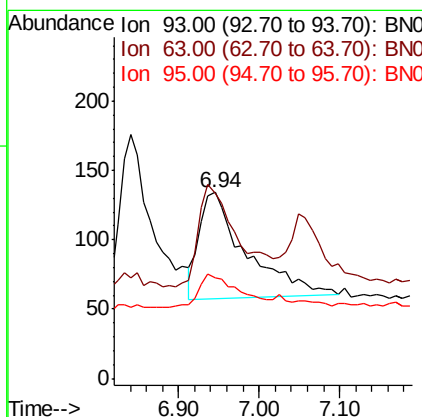
RT: 6.94 min Scan# 511

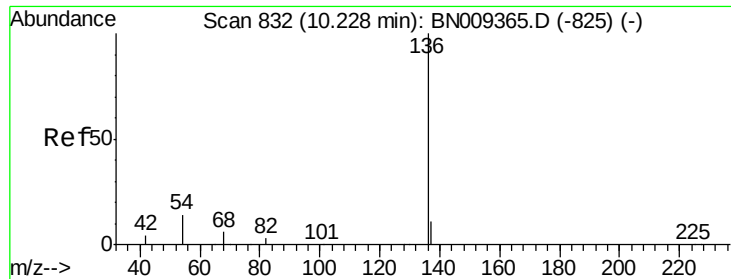
Delta R.T. 0.02 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Tgt Ion:	93	Resp:	304
Ion	Ratio	Lower	Upper
93	100		
63	83.6	85.1	127.7#
95	27.0	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: BN009376.D

Acq: 15 Jan 2020 12:59

Instrument :

BNA_N

ClientSampleId :

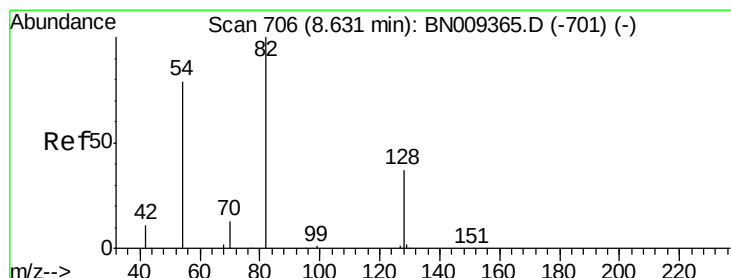
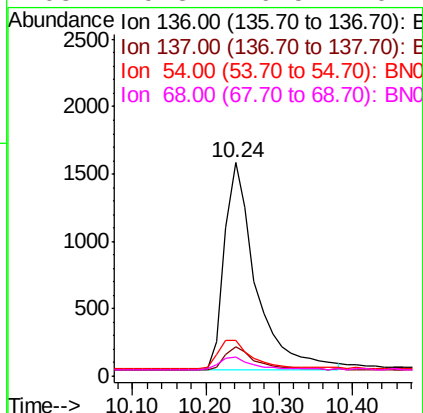
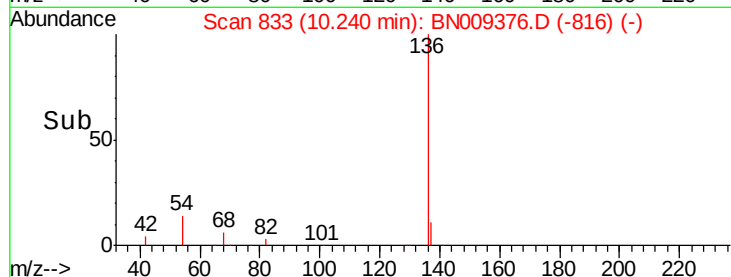
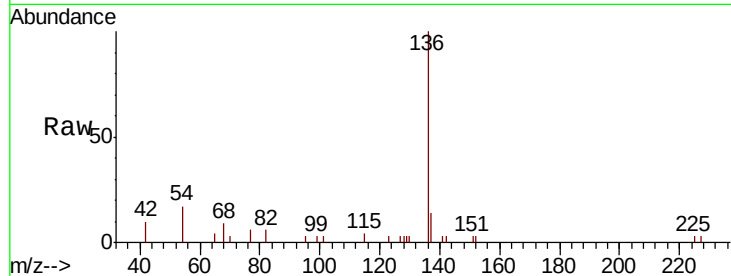
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
136	100		
137	13.6	10.3	15.5
54	16.8	12.6	19.0
68	9.3	6.5	9.7

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#8

Nitrobenzene-d5

Concen: 0.323 ng

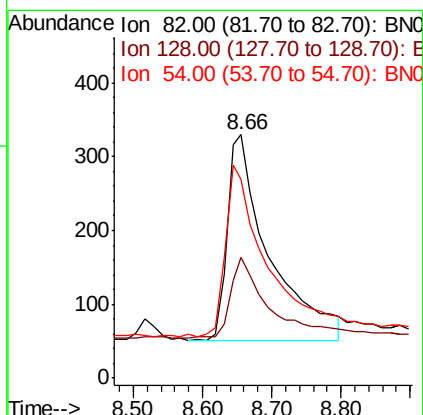
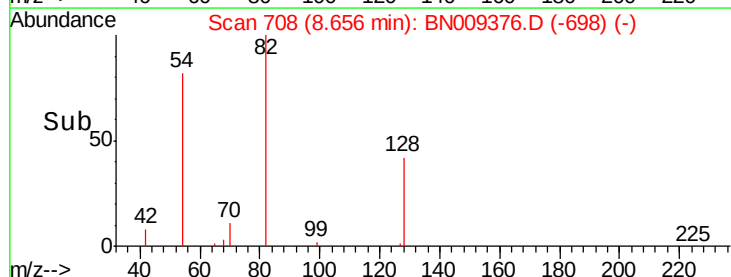
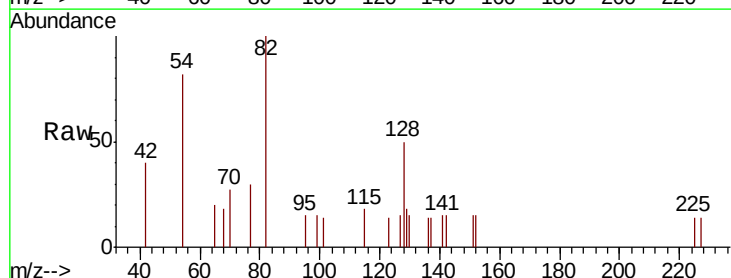
RT: 8.66 min Scan# 708

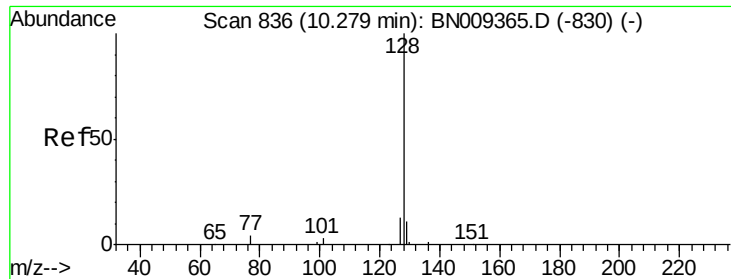
Delta R.T. 0.03 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.7	34.8	52.2
54	81.8	65.8	98.6





#9

Naphthalene

Concen: 0.090 ng

RT: 10.29 min Scan# 837

Delta R.T. 0.01 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Instrument :

BNA_N

ClientSampleId :

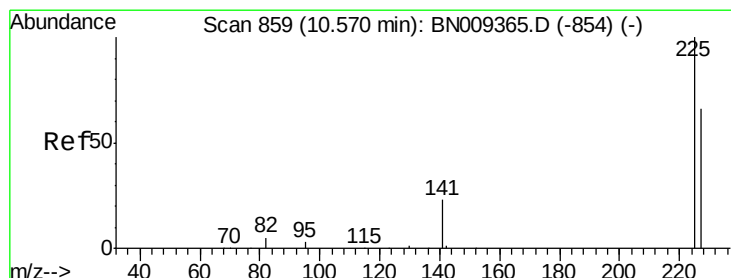
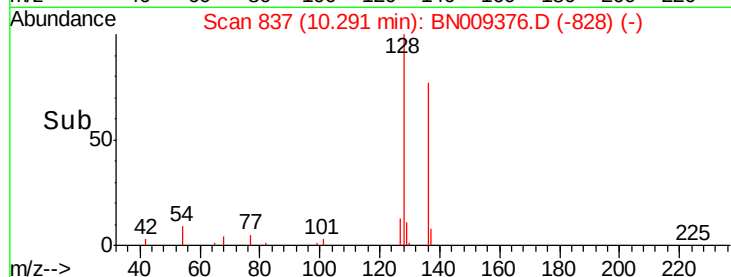
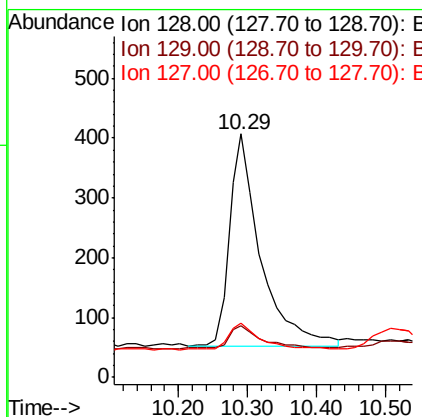
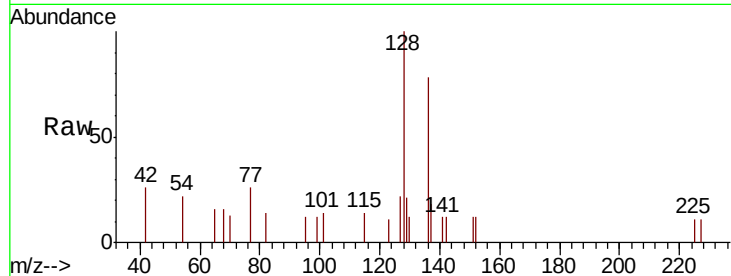
LOQ-SOIL-02-QT3-2019

Tot Ion:	128	Resp:	1110
Ion Ratio	Lower	Upper	
128	100		
129	21.4	10.4	15.6#
127	22.4	11.4	17.2#

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#10

Hexachlorobutadiene

Concen: 0.083 ng

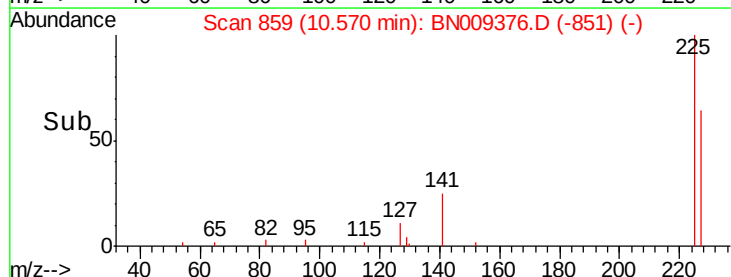
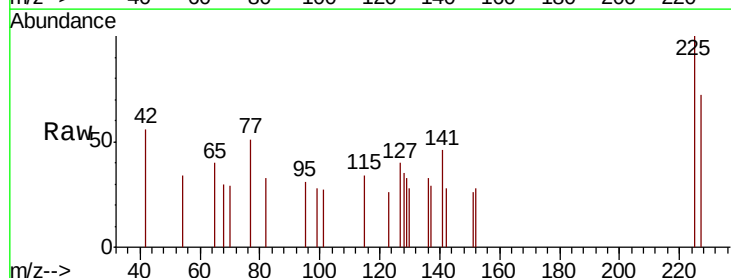
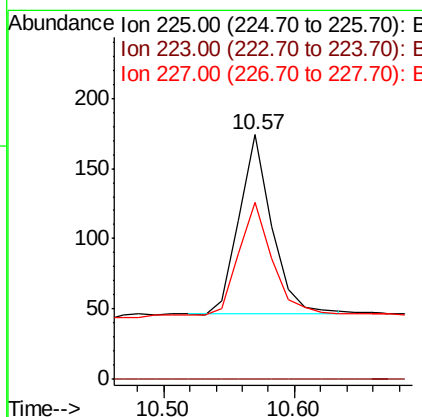
RT: 10.57 min Scan# 859

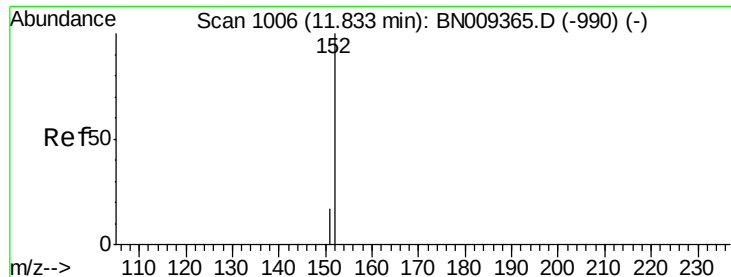
Delta R.T. -0.00 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Tgt Ion:	225	Resp:	224
Ion Ratio	Lower	Upper	
225	100		
223	0.0	0.0	0.0
227	64.7	52.6	78.8





#11

2-Methylnaphthalene-d10

Concen: 0.310 ng

RT: 11.85 min Scan# 1009

Delta R.T. 0.01 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:152 Resp: 2739

Ion Ratio Lower Upper

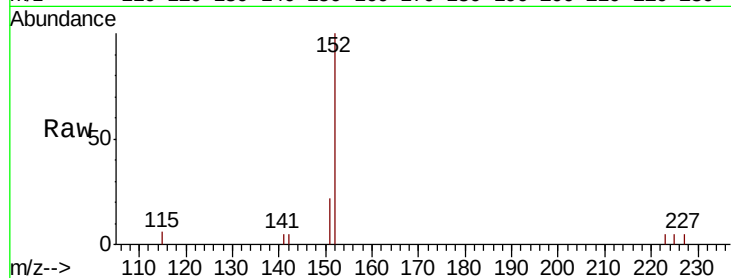
152 100

151 17.5 14.8 22.2

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.85

1000

800

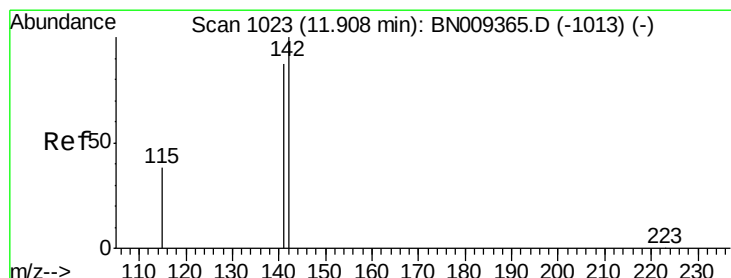
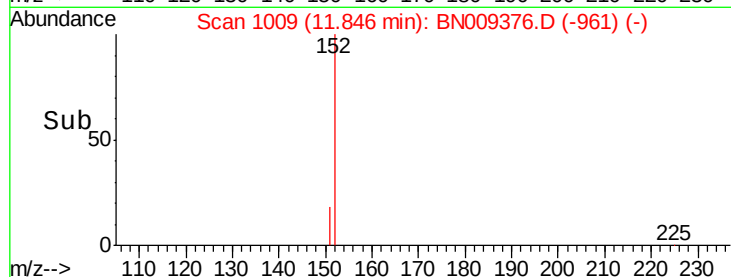
600

400

200

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.086 ng

RT: 11.92 min Scan# 1026

Delta R.T. 0.01 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

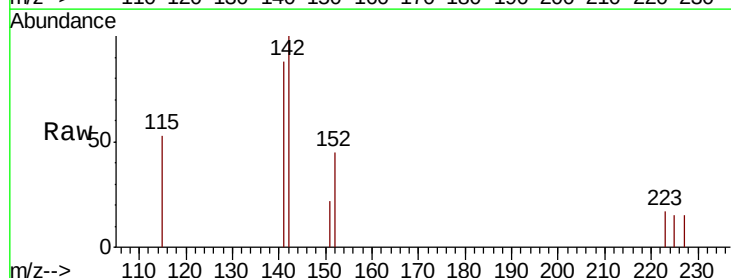
Tgt Ion:142 Resp: 741

Ion Ratio Lower Upper

142 100

141 88.5 69.8 104.6

115 53.2 32.5 48.7#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

500

400

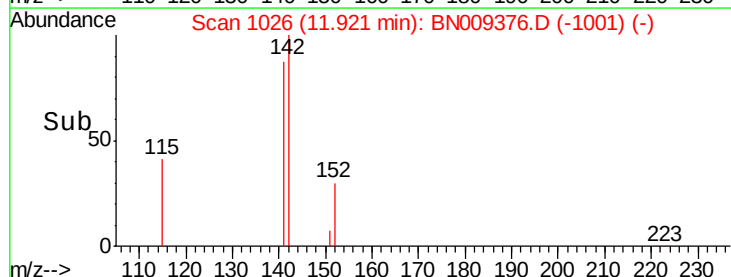
300

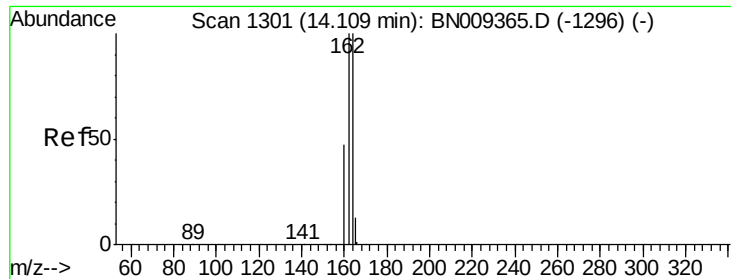
200

100

0

Time-->





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.11 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN009376.D
Acq: 15 Jan 2020 12:59

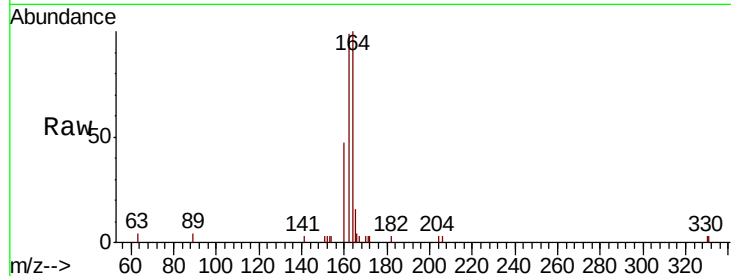
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.8	119.6
160	47.2	38.4	57.6

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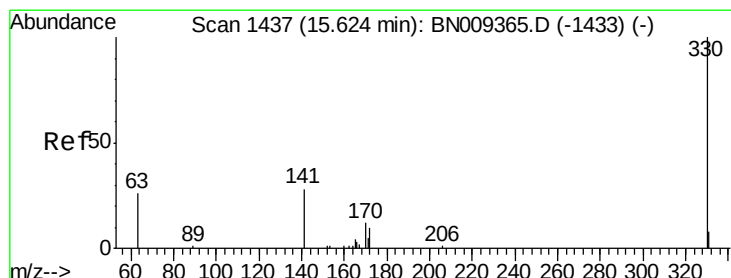
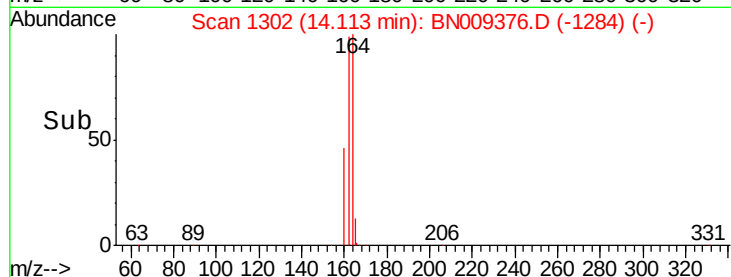
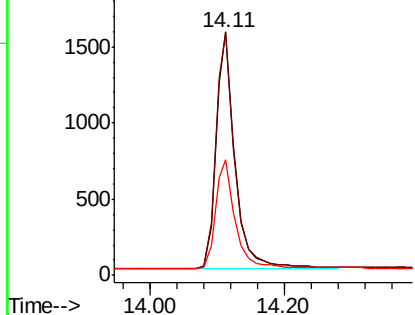


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.325 ng
RT: 15.63 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BN009376.D
Acq: 15 Jan 2020 12:59

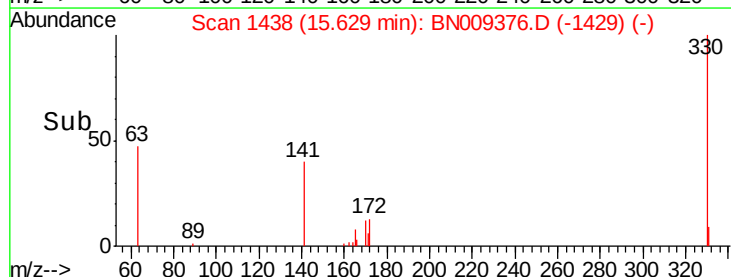
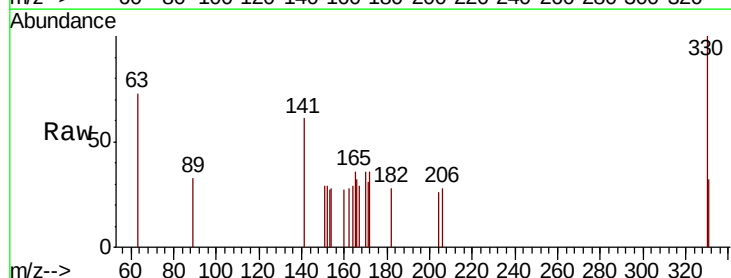
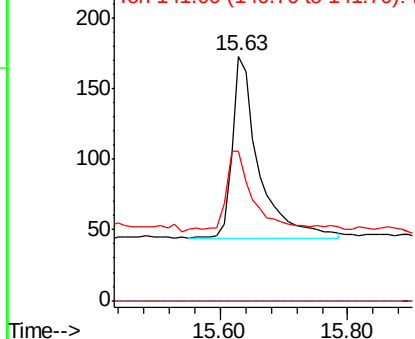
Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	42.6	33.1	49.7

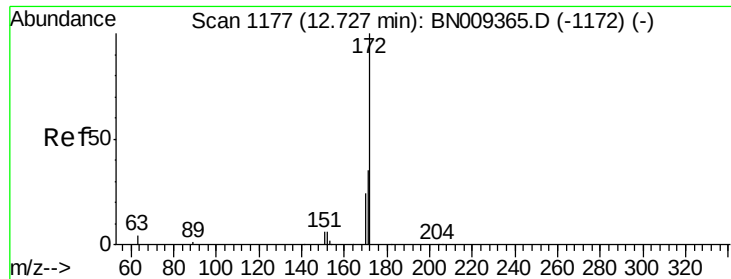
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15
2-Fluorobiphenyl
Concen: 0.345 ng
RT: 12.74 min Scan# 1179
Delta R.T. 0.02 min
Lab File: BN009376.D
Acq: 15 Jan 2020 12:59

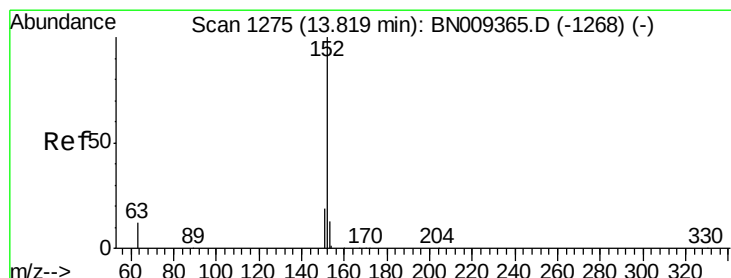
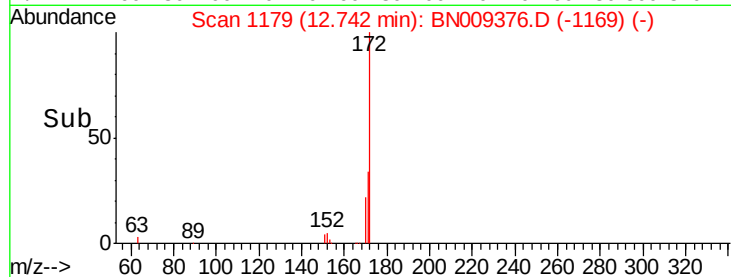
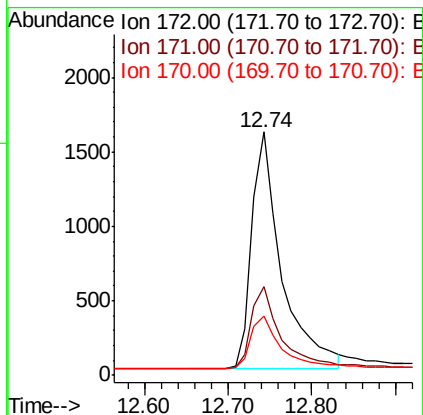
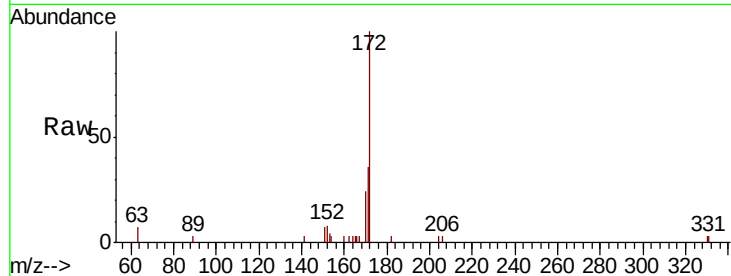
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.5	44.3
170	24.3	20.7	31.1

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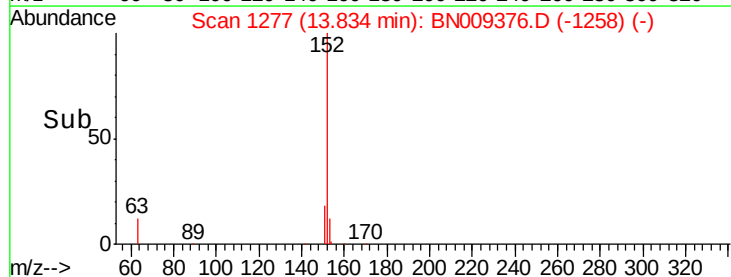
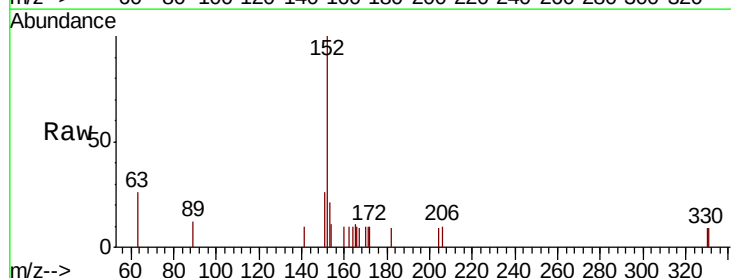
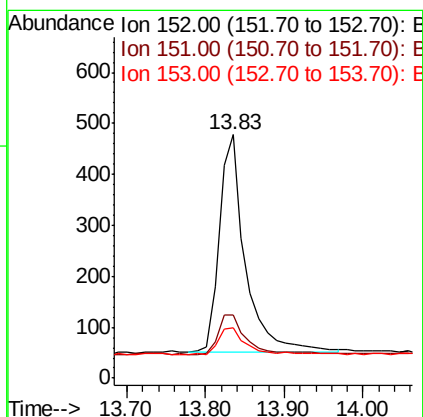
mohammad

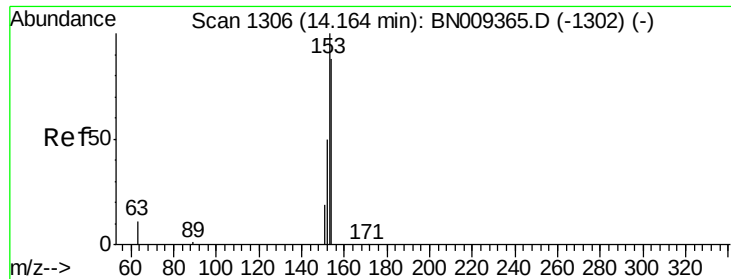
1/16/2020 2:24:56 PM



#16
Acenaphthylene
Concen: 0.075 ng
RT: 13.83 min Scan# 1277
Delta R.T. 0.02 min
Lab File: BN009376.D
Acq: 15 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.4	23.2
153	12.6	10.4	15.6





#17
Acenaphthene
Concen: 0.083 ng
RT: 14.17 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BN009376.D
Acq: 15 Jan 2020 12:59

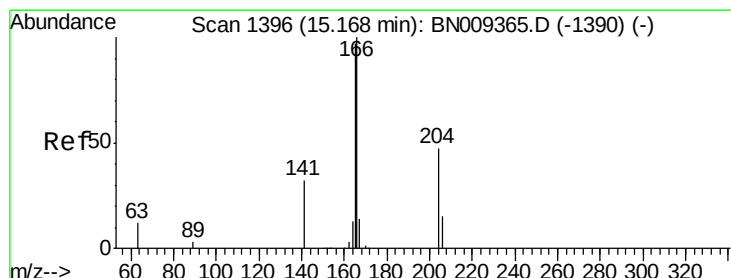
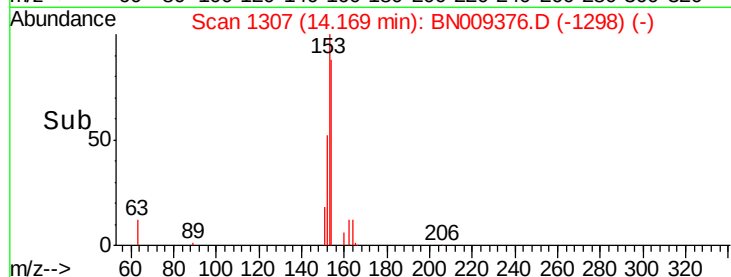
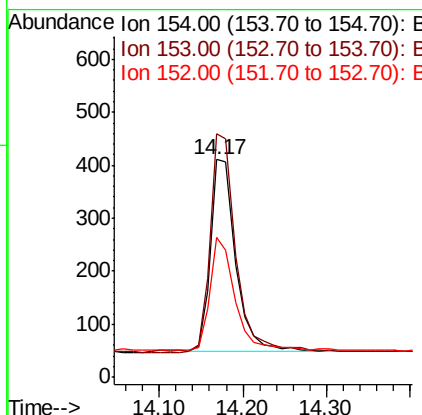
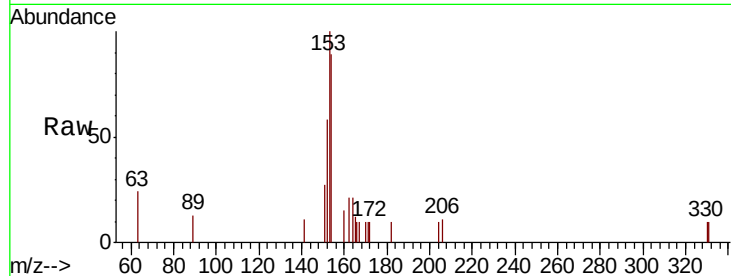
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.3	90.5	135.7
152	58.1	45.3	67.9

Manual Integrations
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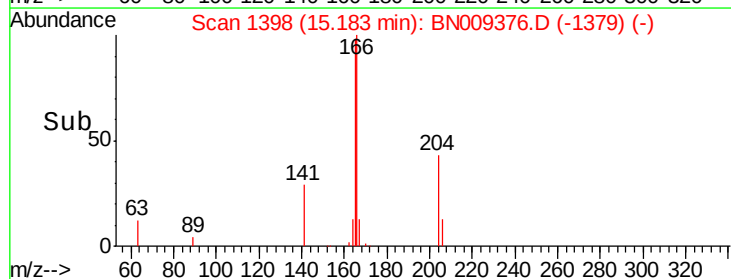
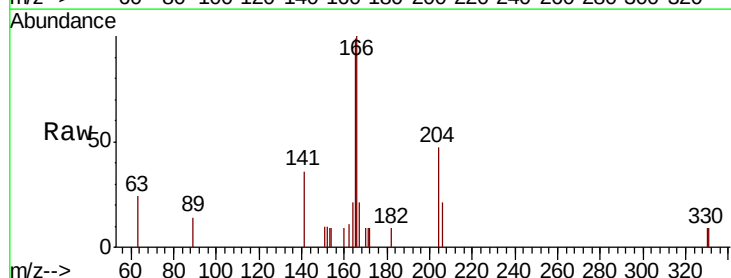
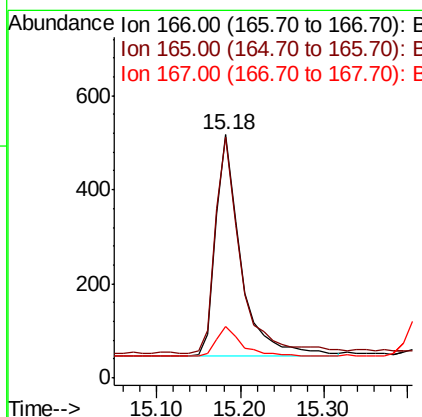
mohammad

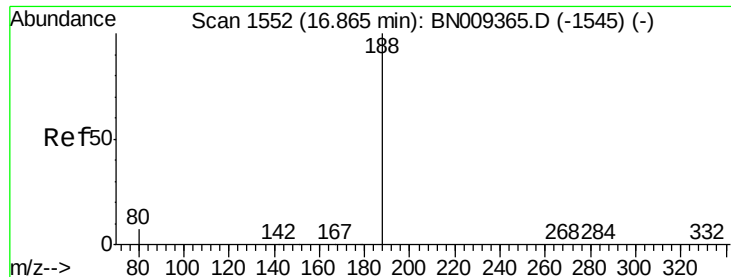
1/16/2020 2:24:56 PM



#18
Fluorene
Concen: 0.082 ng
RT: 15.18 min Scan# 1398
Delta R.T. 0.02 min
Lab File: BN009376.D
Acq: 15 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.2	117.2
167	12.5	11.0	16.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.87 min Scan# 1553

Delta R.T. 0.00 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Instrument :

BNA_N

ClientSampleId :

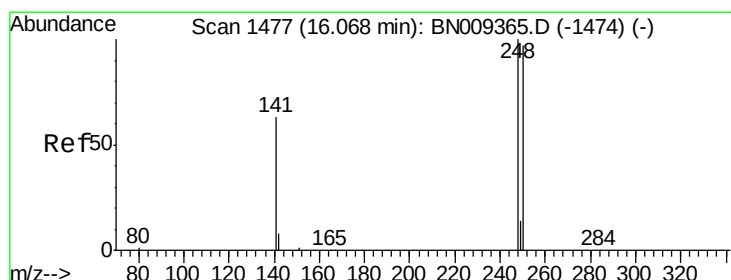
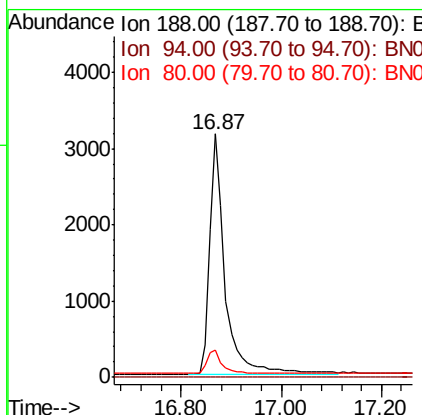
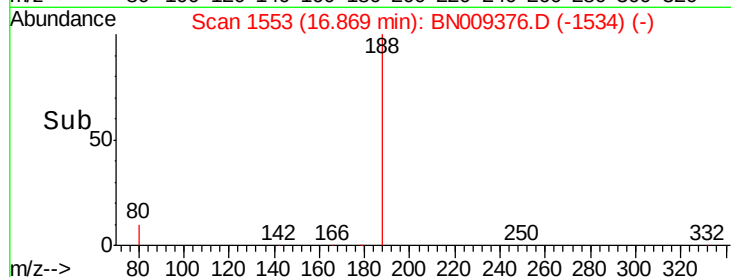
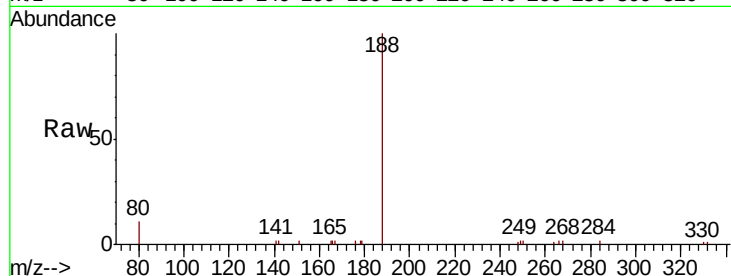
LOQ-SOIL-02-QT3-2019

Tot Ion:	188	Resp:	6762
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.1	6.6	10.0

Manual Integrations
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#20

4-Bromophenyl-phenylether

Concen: 0.074 ng

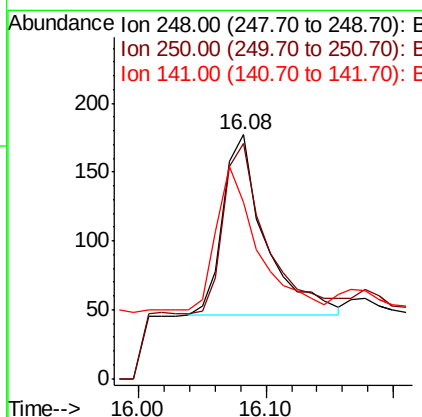
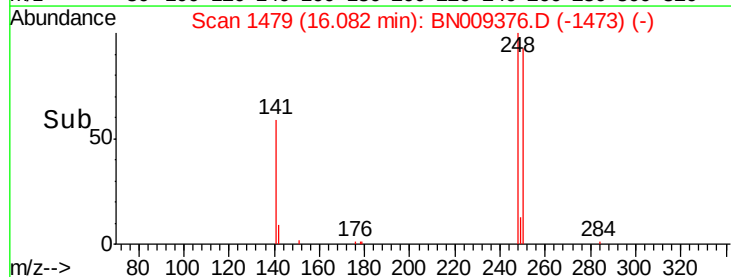
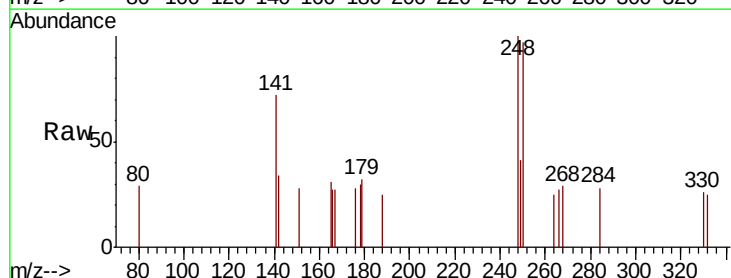
RT: 16.08 min Scan# 1479

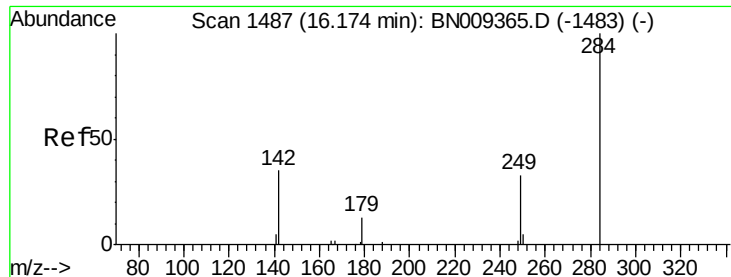
Delta R.T. 0.01 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Tgt Ion:	248	Resp:	303
Ion Ratio	Lower	Upper	
248	100		
250	96.6	77.8	116.8
141	72.3	53.4	80.0





#21

Hexachlorobenzene

Concen: 0.084 ng

RT: 16.18 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Instrument :

BNA_N

ClientSampleId :

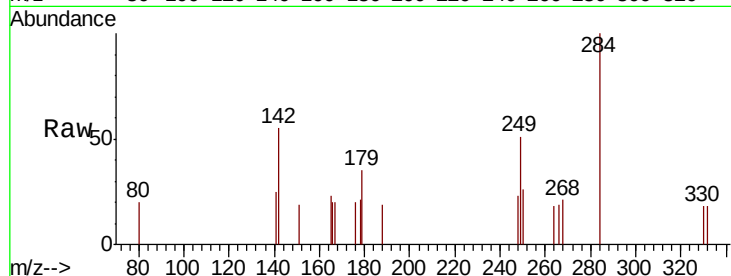
LOQ-SOIL-02-QT3-2019

Tot Ion:	284	Resp:	365
Ion Ratio	Lower	Upper	
284	100		
142	43.0	33.8	50.8
249	32.3	27.0	40.4

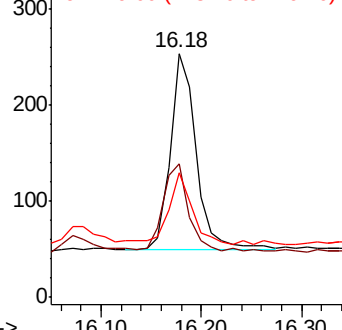
Manual Integrations
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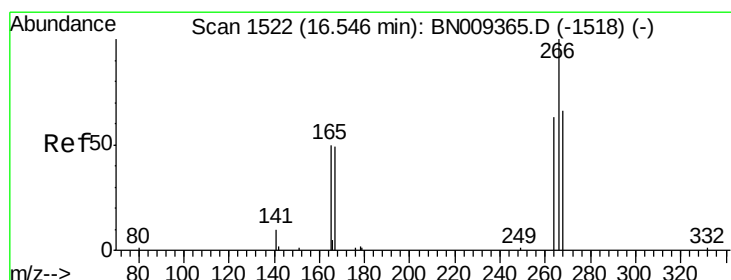
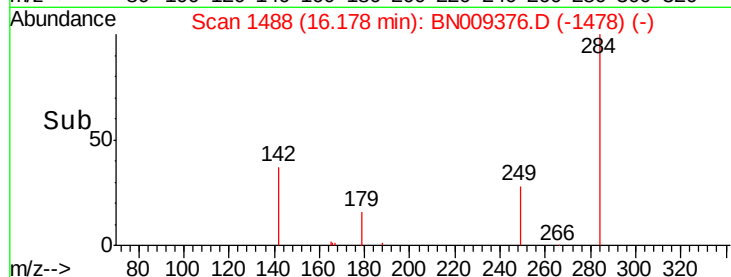
1/16/2020 2:24:56 PM



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: 0.189 ng

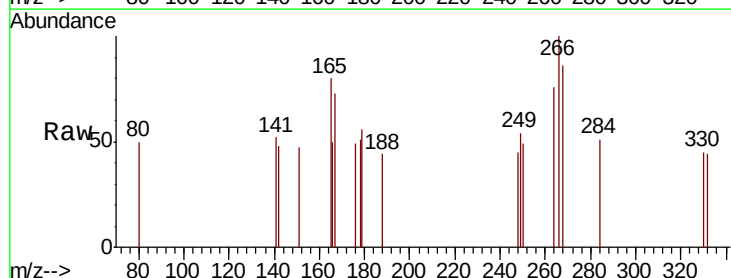
RT: 16.56 min Scan# 1524

Delta R.T. 0.02 min

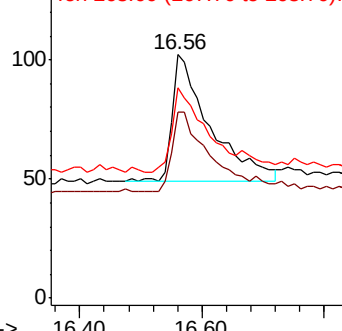
Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

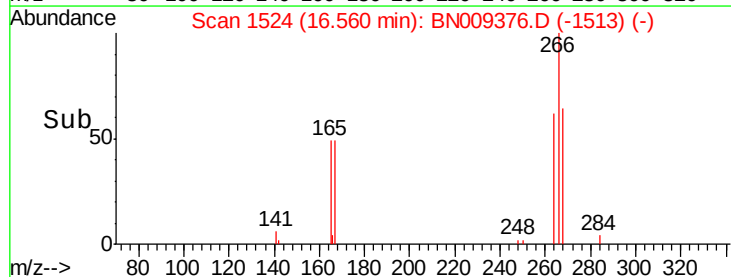
Tgt Ion:	266	Resp:	230
Ion Ratio	Lower	Upper	
266	100		
264	76.5	57.8	86.6
268	86.3	63.8	95.6

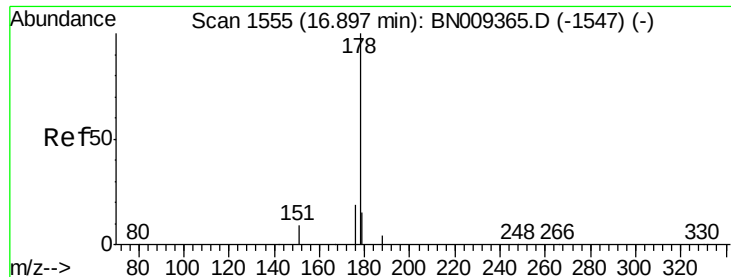


Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.080 ng

RT: 16.91 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Instrument :

BNA_N

ClientSampleId :

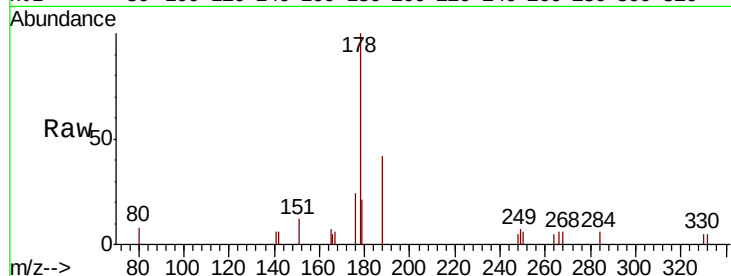
LOQ-SOIL-02-QT3-2019

Tot Ion:178	Resp:	1625
Ion Ratio	Lower	Upper
178	100	
176	19.6	15.0 22.4
179	16.4	12.3 18.5

Manual Integrations
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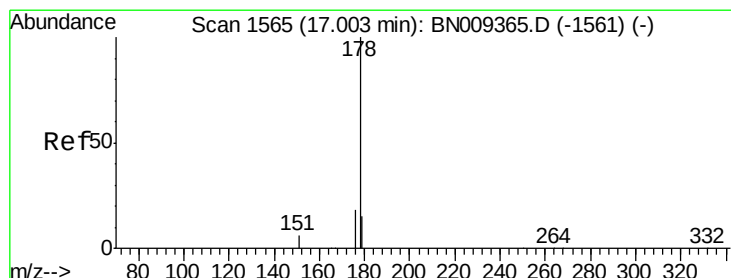
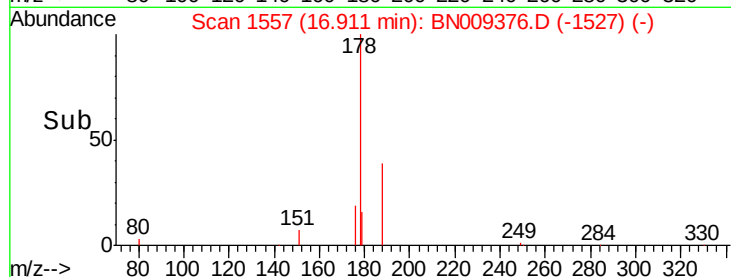
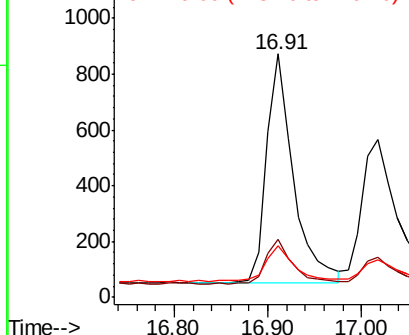


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.077 ng

RT: 17.02 min Scan# 1567

Delta R.T. 0.01 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

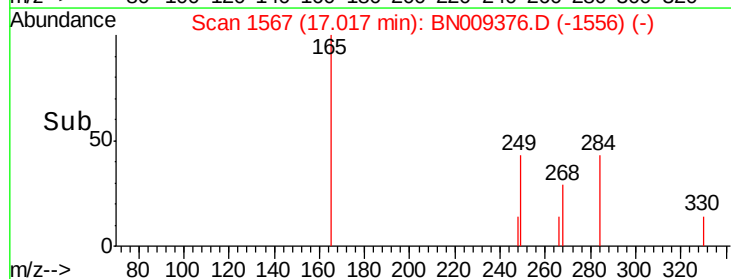
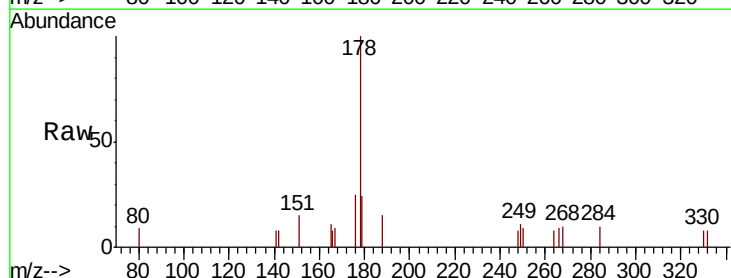
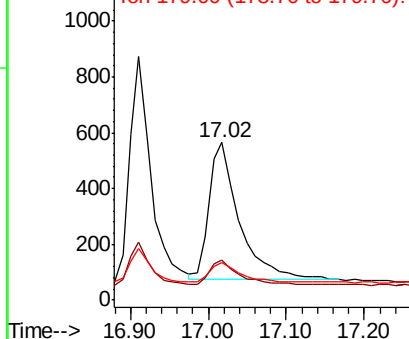
Tgt Ion:178	Resp:	1306
Ion Ratio	Lower	Upper
178	100	
176	17.5	14.6 21.8
179	14.4	12.5 18.7

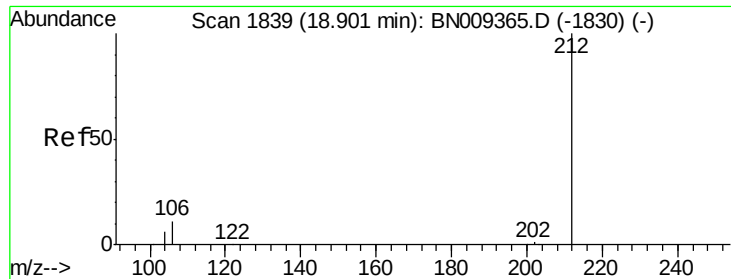
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.305 ng

RT: 18.90 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Instrument :

BNA_N

ClientSampleId :

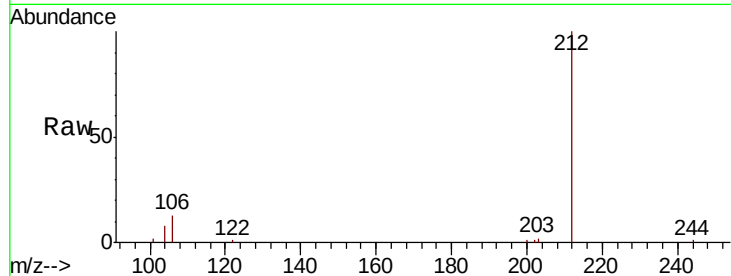
LOQ-SOIL-02-QT3-2019

Tot Ion:	212	Resp:	7063
Ion Ratio	Lower	Upper	
212	100		
106	11.6	9.2	13.8
104	6.6	5.4	8.0

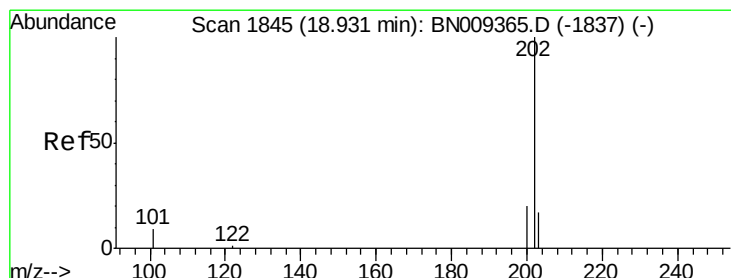
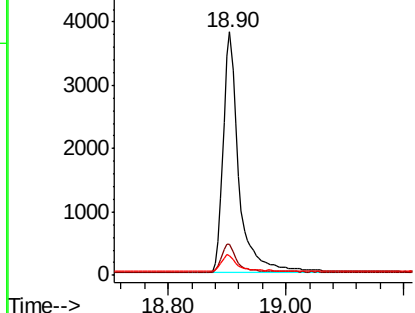
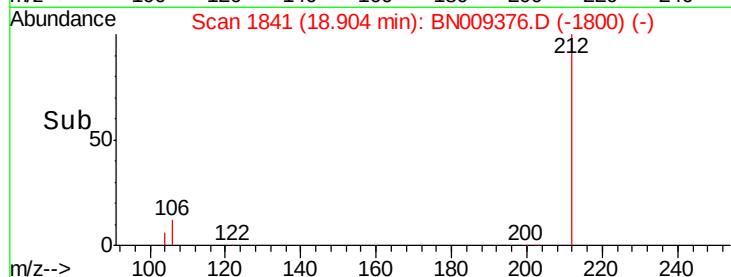
Manual Integrations
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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.085 ng

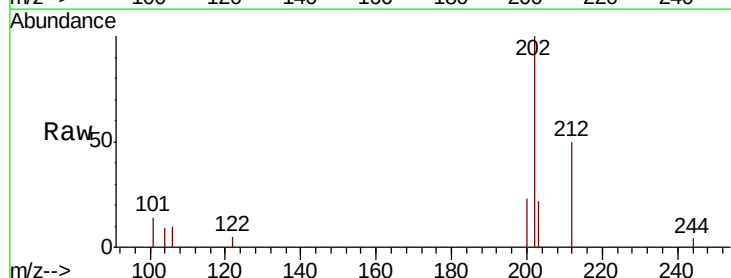
RT: 18.93 min Scan# 1847

Delta R.T. 0.00 min

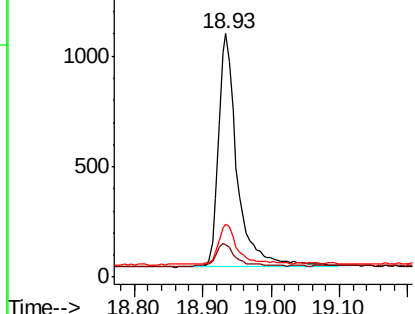
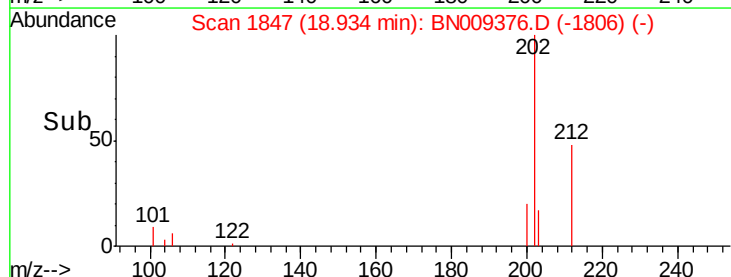
Lab File: BN009376.D

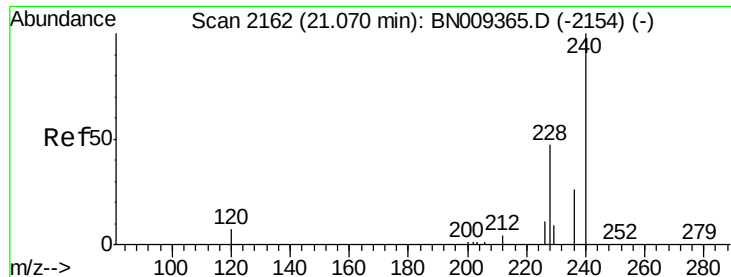
Acq: 15 Jan 2020 12:59

Tgt Ion:	202	Resp:	2014
Ion Ratio	Lower	Upper	
202	100		
101	9.8	8.0	12.0
203	16.8	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# 2163

Delta R.T. -0.00 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Instrument :

BNA_N

ClientSampleId :

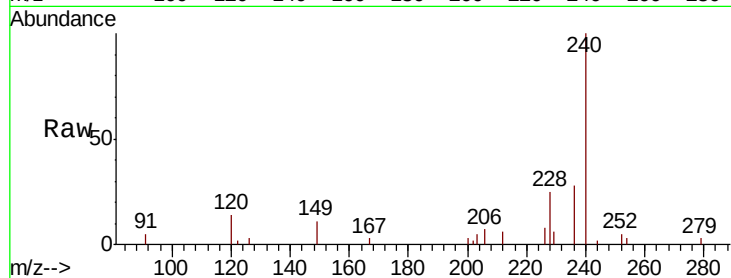
LOQ-SOIL-02-QT3-2019

Tot Ion:	240	Resp:	5879
Ion Ratio	Lower	Upper	
240	100		
120	14.4	8.1	12.1#
236	28.2	22.2	33.4

Manual Integrations
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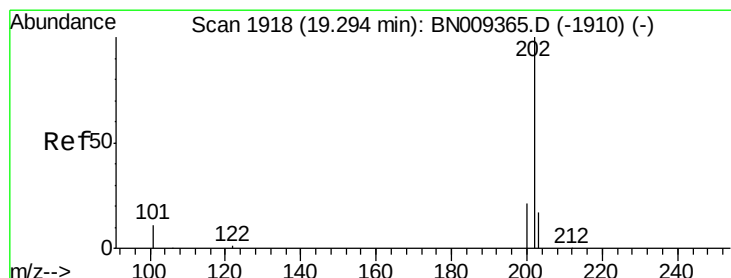
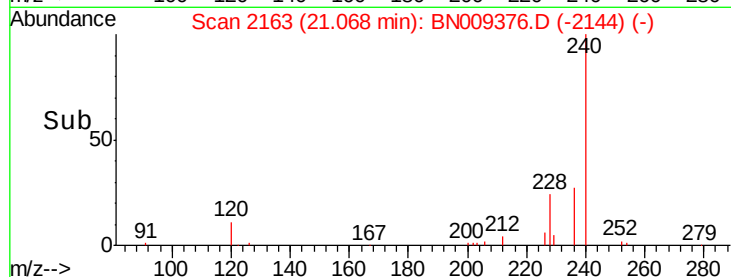
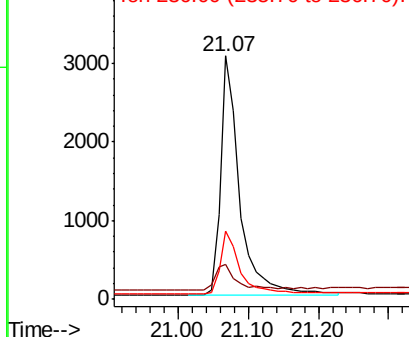


Abundance

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: 0.091 ng

RT: 19.30 min Scan# 1921

Delta R.T. 0.01 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

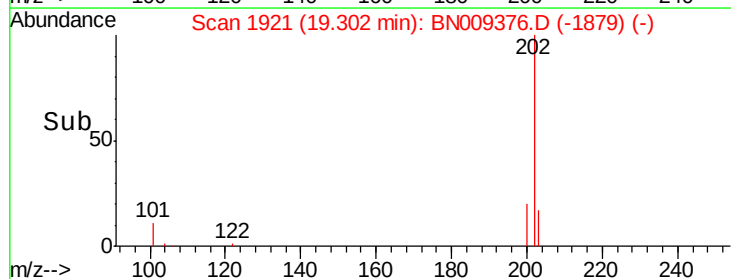
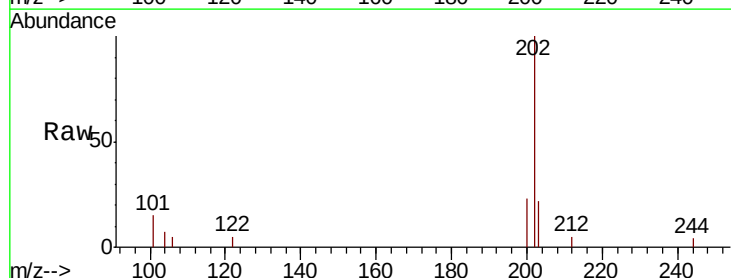
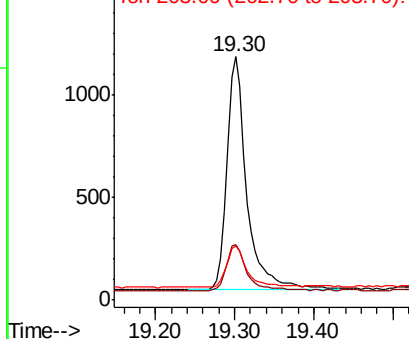
Tgt Ion:	202	Resp:	2023
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.2	24.2
203	18.0	14.1	21.1

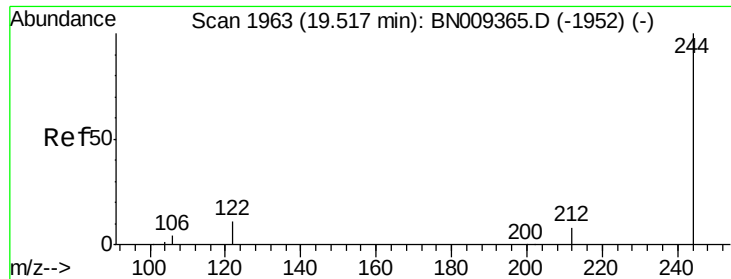
Abundance

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: 0.402 ng

RT: 19.52 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Instrument :

BNA_N

ClientSampleId :

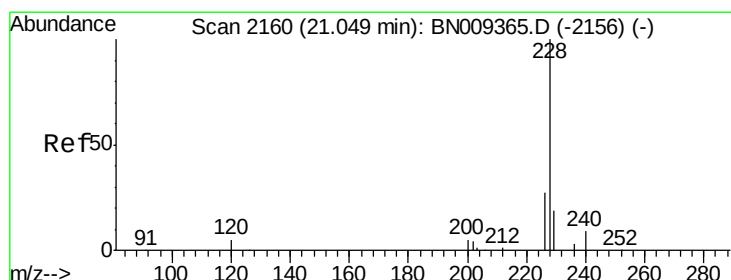
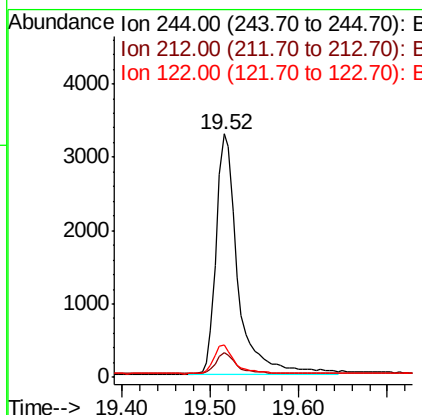
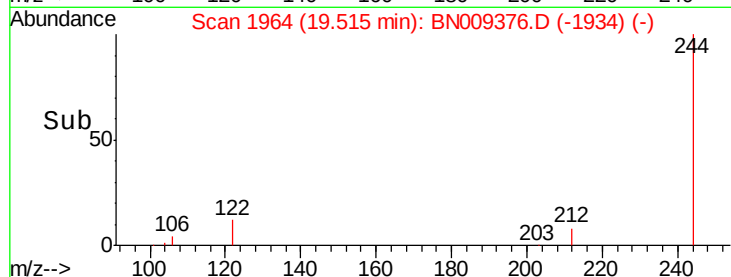
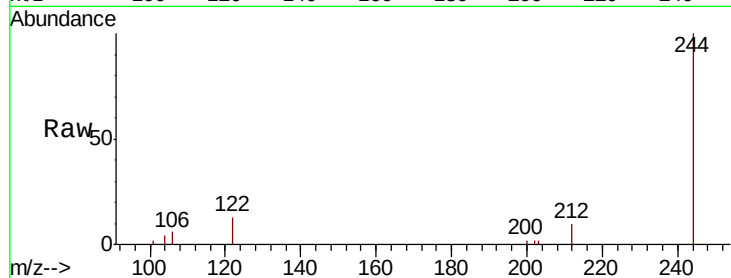
LOQ-SOIL-02-QT3-2019

Tot Ion:	244	Resp:	5592
Ion Ratio	Lower	Upper	
244	100		
212	9.9	7.5	11.3
122	13.3	9.8	14.6

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#30

Benzo(a)anthracene

Concen: 0.084 ng

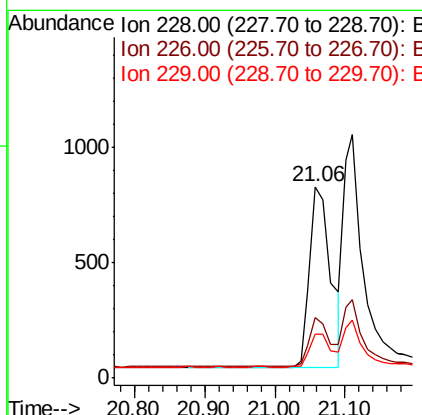
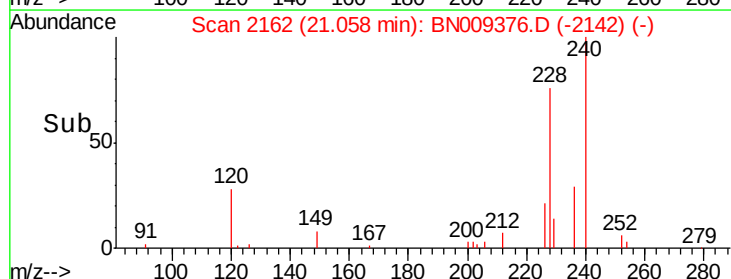
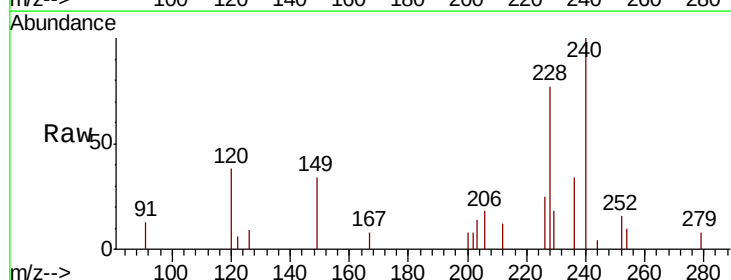
RT: 21.06 min Scan# 2162

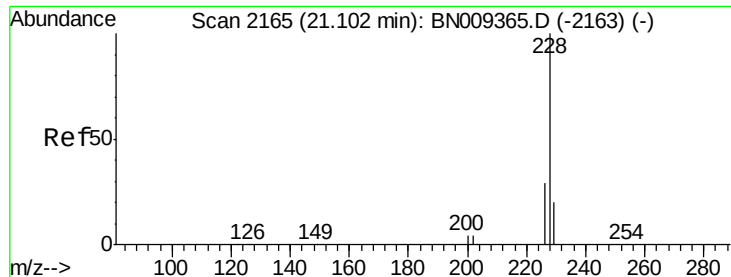
Delta R.T. 0.01 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Tgt Ion:	228	Resp:	1631
Ion Ratio	Lower	Upper	
228	100		
226	31.9	22.5	33.7
229	23.2	16.1	24.1





#31

Chrysene

Concen: 0.085 ng

RT: 21.11 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Instrument :

BNA_N

ClientSampleId :

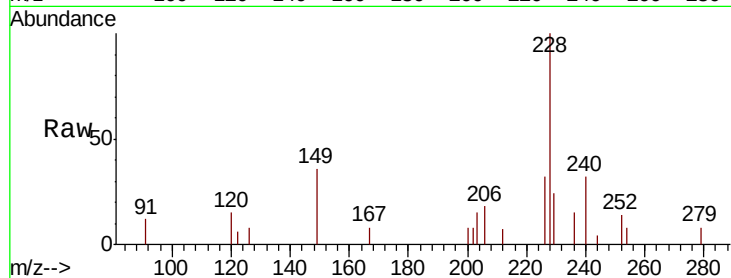
LOQ-SOIL-02-QT3-2019

Tot Ion:	228	Resp:	1884
Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.8	35.8
229	23.6	16.6	24.8

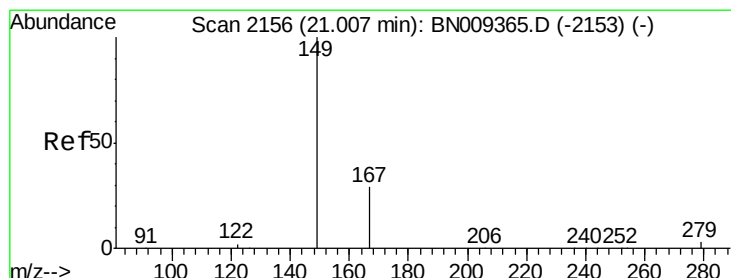
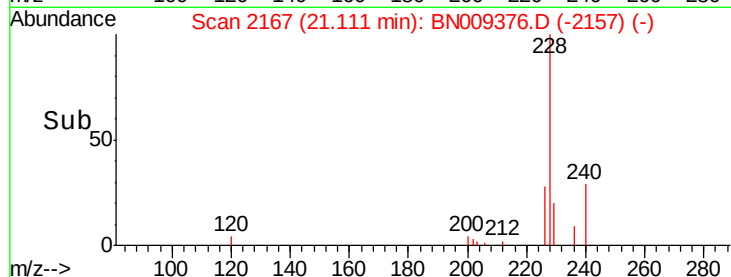
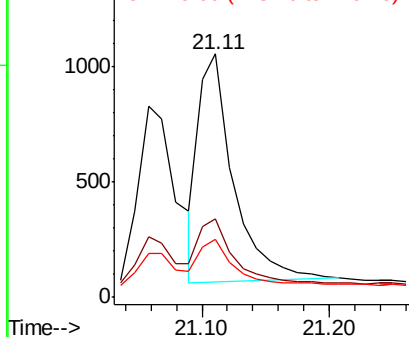
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.088 ng

RT: 21.00 min Scan# 2157

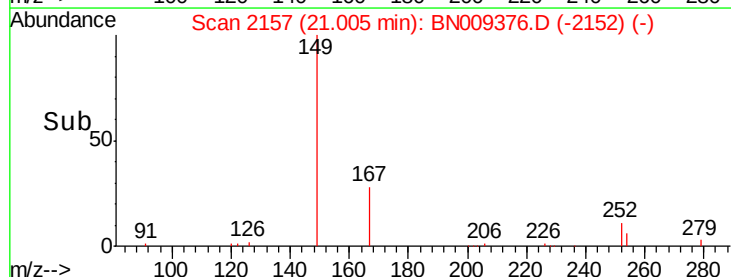
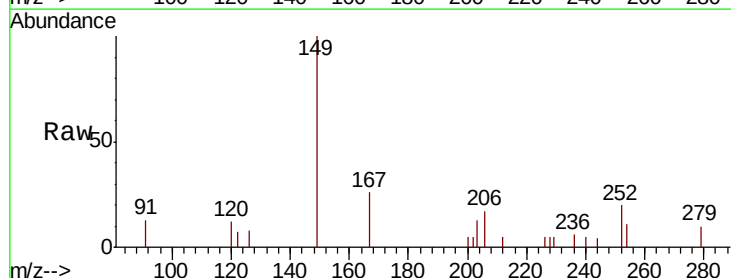
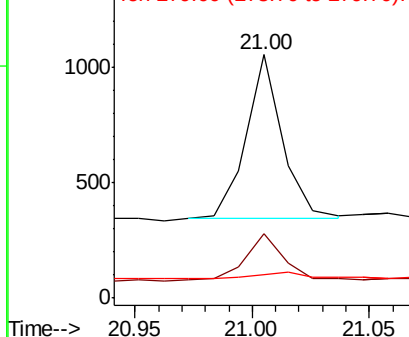
Delta R.T. -0.00 min

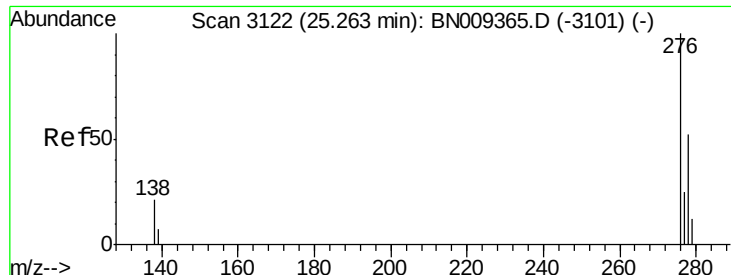
Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Tgt Ion:	149	Resp:	756
Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.9	34.3
279	4.8	3.4	5.0

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: 0.078 ng

RT: 25.29 min Scan# 3130

Delta R.T. 0.02 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Instrument :

BNA_N

ClientSampleId :

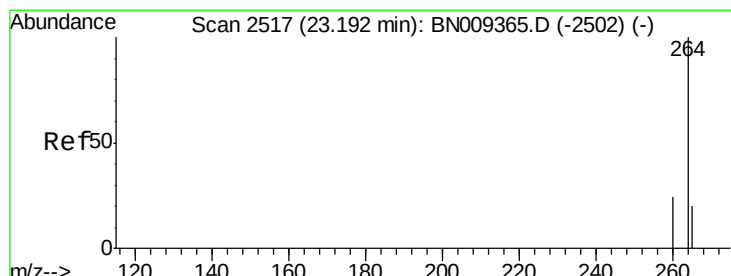
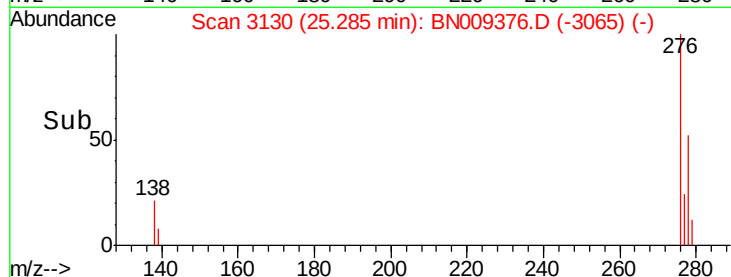
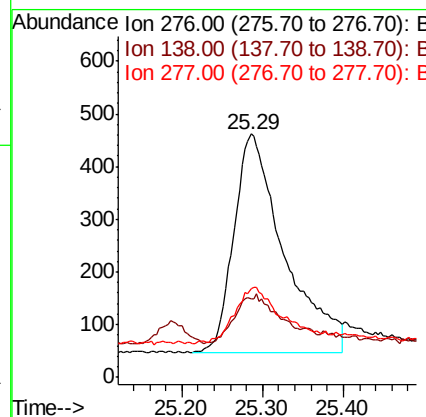
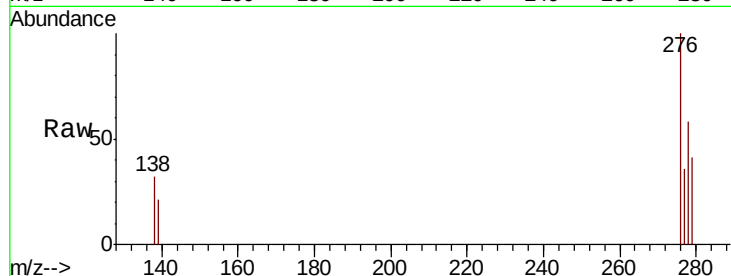
LOQ-SOIL-02-QT3-2019

Tot Ion:	276	Resp:	1784
Ion Ratio	Lower	Upper	
276	100		
138	18.7	15.9	23.9
277	23.5	19.8	29.6

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#34

Perylene-d12

Concen: 0.400 ng

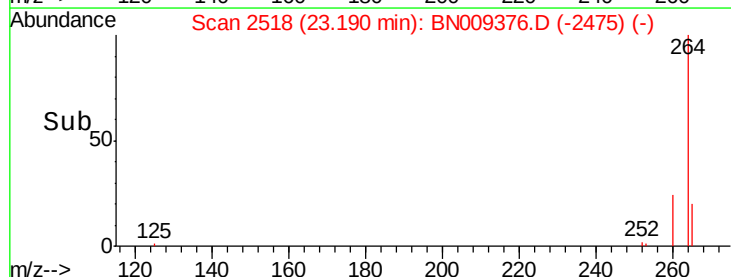
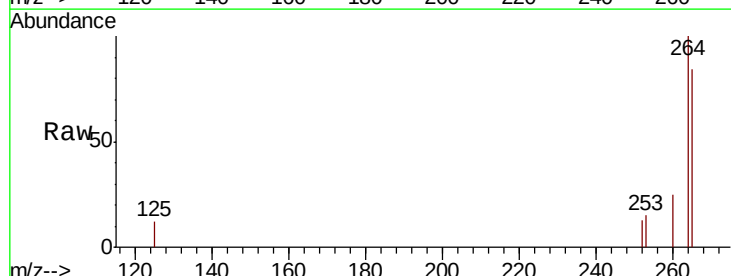
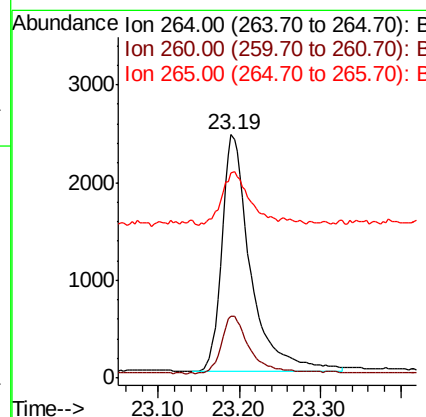
RT: 23.19 min Scan# 2518

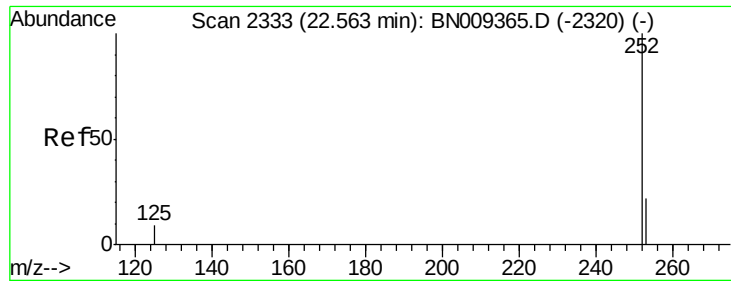
Delta R.T. -0.00 min

Lab File: BN009376.D

Acq: 15 Jan 2020 12:59

Tgt Ion:	264	Resp:	6003
Ion Ratio	Lower	Upper	
264	100		
260	25.4	20.1	30.1
265	84.1	68.2	102.4





#35
Benzo(b)fluoranthene
Concen: 0.078 ng
RT: 22.57 min Scan# 2337
Delta R.T. 0.01 min
Lab File: BN009376.D
Acq: 15 Jan 2020 12:59

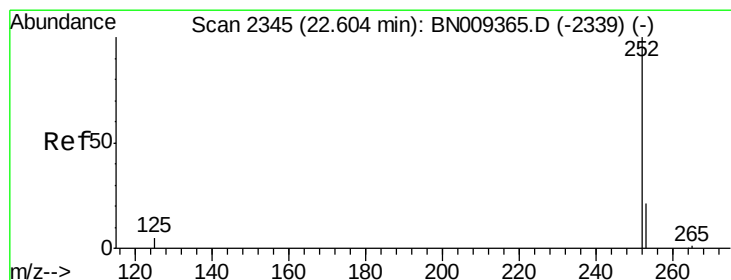
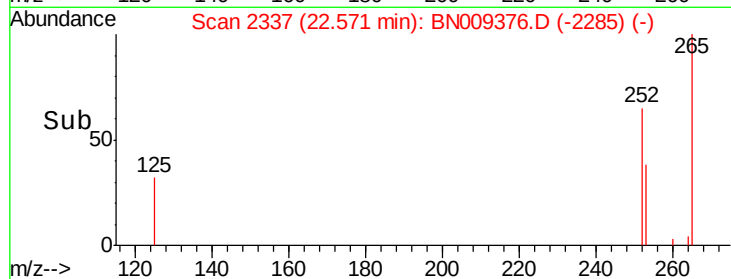
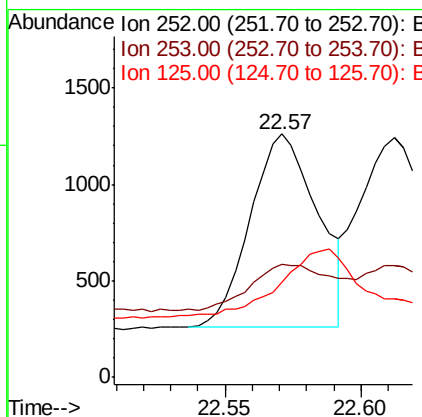
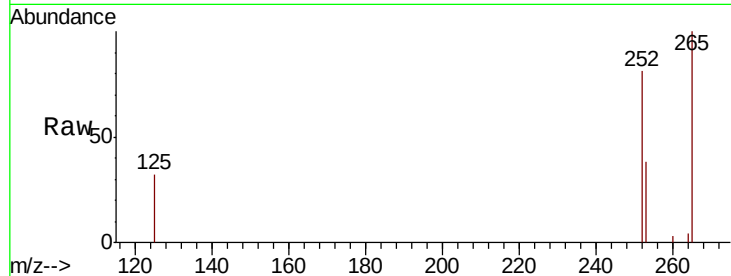
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	46.3	22.4	33.6#
125	39.3	11.6	17.4#

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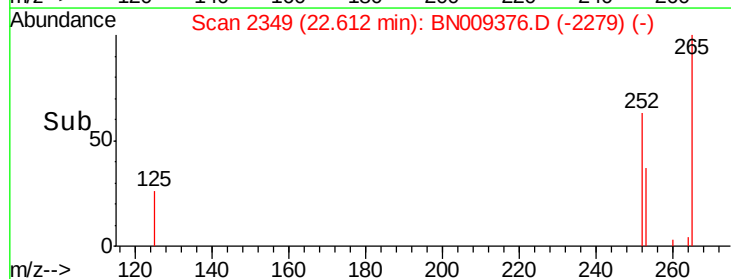
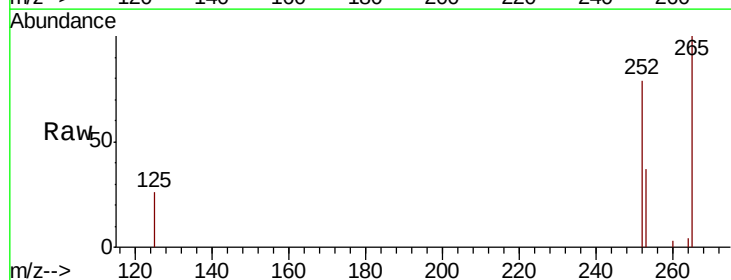
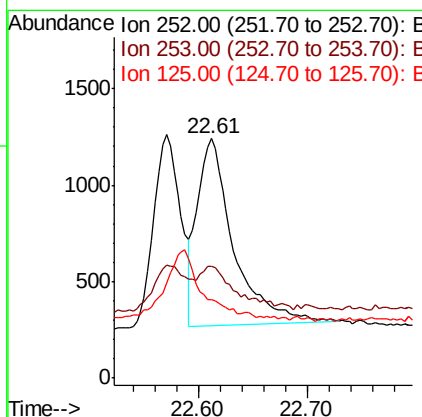
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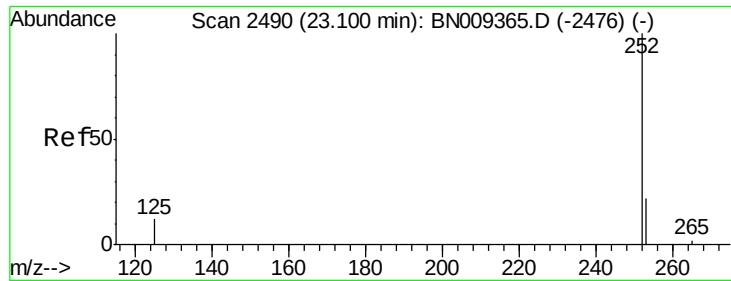
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#36
Benzo(k)fluoranthene
Concen: 0.092 ng
RT: 22.61 min Scan# 2349
Delta R.T. 0.01 min
Lab File: BN009376.D
Acq: 15 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	46.7	21.9	32.9#
125	32.9	12.0	18.0#





#37
Benzo(a)pyrene
Concen: 0.088 ng
RT: 23.12 min Scan# 2496
Delta R.T. 0.02 min
Lab File: BN009376.D
Acq: 15 Jan 2020 12:59

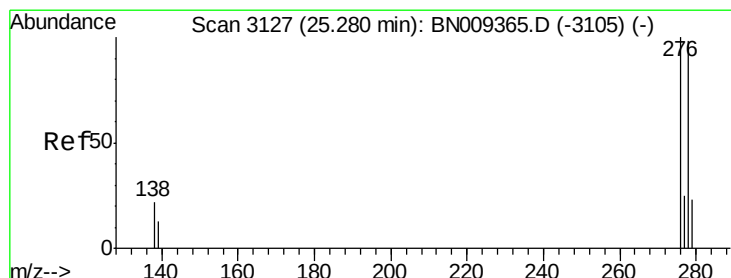
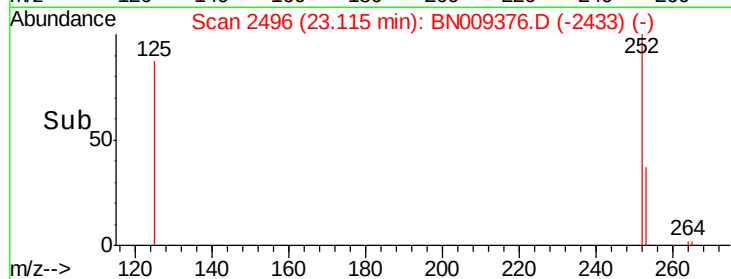
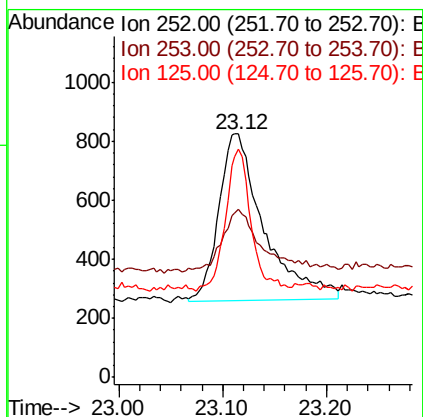
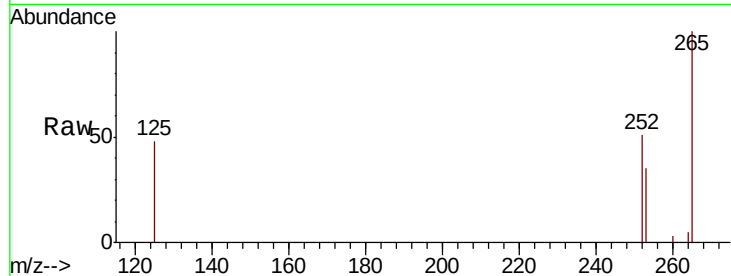
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	68.8	25.4	38.0#
125	93.9	16.2	24.2#

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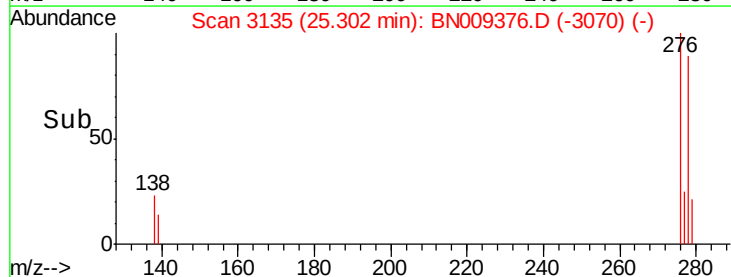
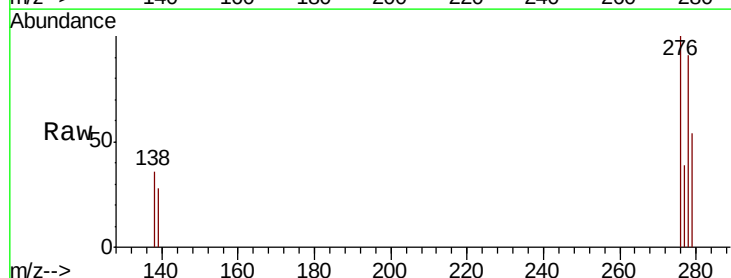
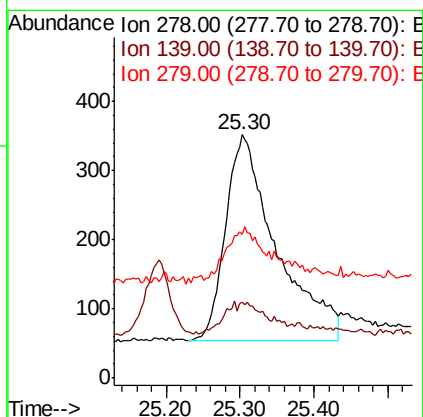
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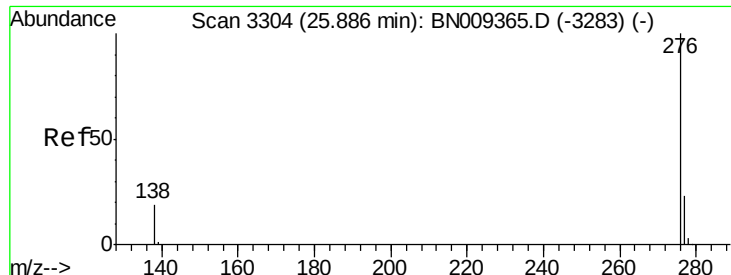
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#38
Dibenzo(a,h)anthracene
Concen: 0.073 ng
RT: 25.30 min Scan# 3135
Delta R.T. 0.02 min
Lab File: BN009376.D
Acq: 15 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.0	14.5	21.7#
279	59.1	24.2	36.4#





#39

Benzo(a,h,i)perylene

Concen: 0.086 ng

RT: 25.91 min Scan# 3312

Delta R.T. 0.02 min

Lab File: BN009376.D

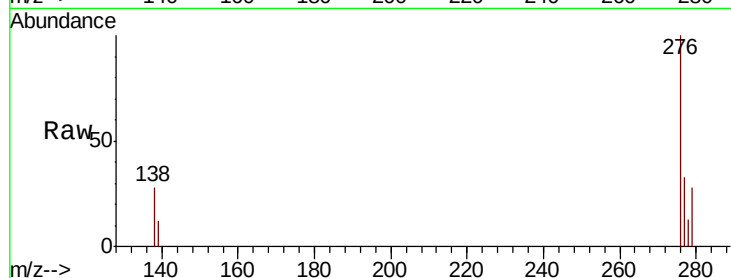
Acq: 15 Jan 2020 12:59

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2019



Tot Ion: 276 Resp: 1859

Ion Ratio Lower Upper

276 100

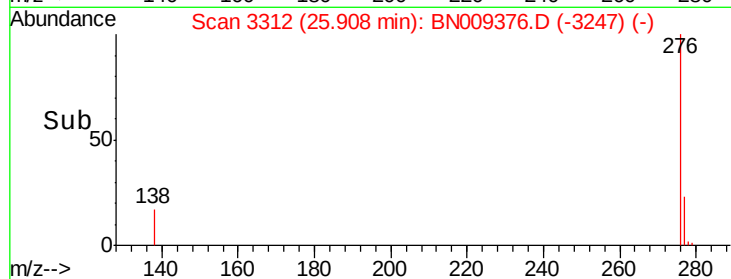
277 33.0 20.6 30.8#

138 28.4 17.1 25.7#

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

