

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
 Data File : BN018187.D
 Acq On : 23 Dec 2021 18:25
 Operator : CG/JU
 Sample : M5179-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-1

Quant Time: Dec 24 23:32:28 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 23 14:22:48 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2021
 Supervised By :mohammad ahmed 12/30/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.624	152	26302	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	133346	0.400	ng	# 0.00
13) Acenaphthene-d10	14.256	164	87364	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	182949	0.400	ng	0.00
29) Chrysene-d12	21.185	240	184708	0.400	ng	#-0.01
35) Perylene-d12	23.419	264	173808	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.245	112	11292	0.197	ng	0.02
5) Phenol-d6	6.821	99	14991	0.244	ng	0.00
8) Nitrobenzene-d5	8.771	82	23764	0.265	ng	0.00
11) 2-Methylnaphthalene-d10	11.994	152	33895	0.148	ng	0.00
14) 2,4,6-Tribromophenol	15.753	330	6435	0.293	ng	0.00
15) 2-Fluorobiphenyl	12.885	172	52575	0.161	ng	0.00
27) Fluoranthene-d10	19.033	212	87146	0.150	ng	0.00
31) Terphenyl-d14	19.638	244	75664	0.186	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.444	128	48954	0.149	ng	98
12) 2-Methylnaphthalene	12.069	142	7738	0.036	ng	98
25) Phenanthrene	17.029	178	17035m	0.035	ng	
28) Fluoranthene	19.063	202	12500	0.022	ng	# 97
34) Bis(2-ethylhexyl)phtha...	21.121	149	76439	0.520	ng	99
40) Dibenzo(a,h)anthracene	25.702	278	2252	0.035	ng	# 48

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

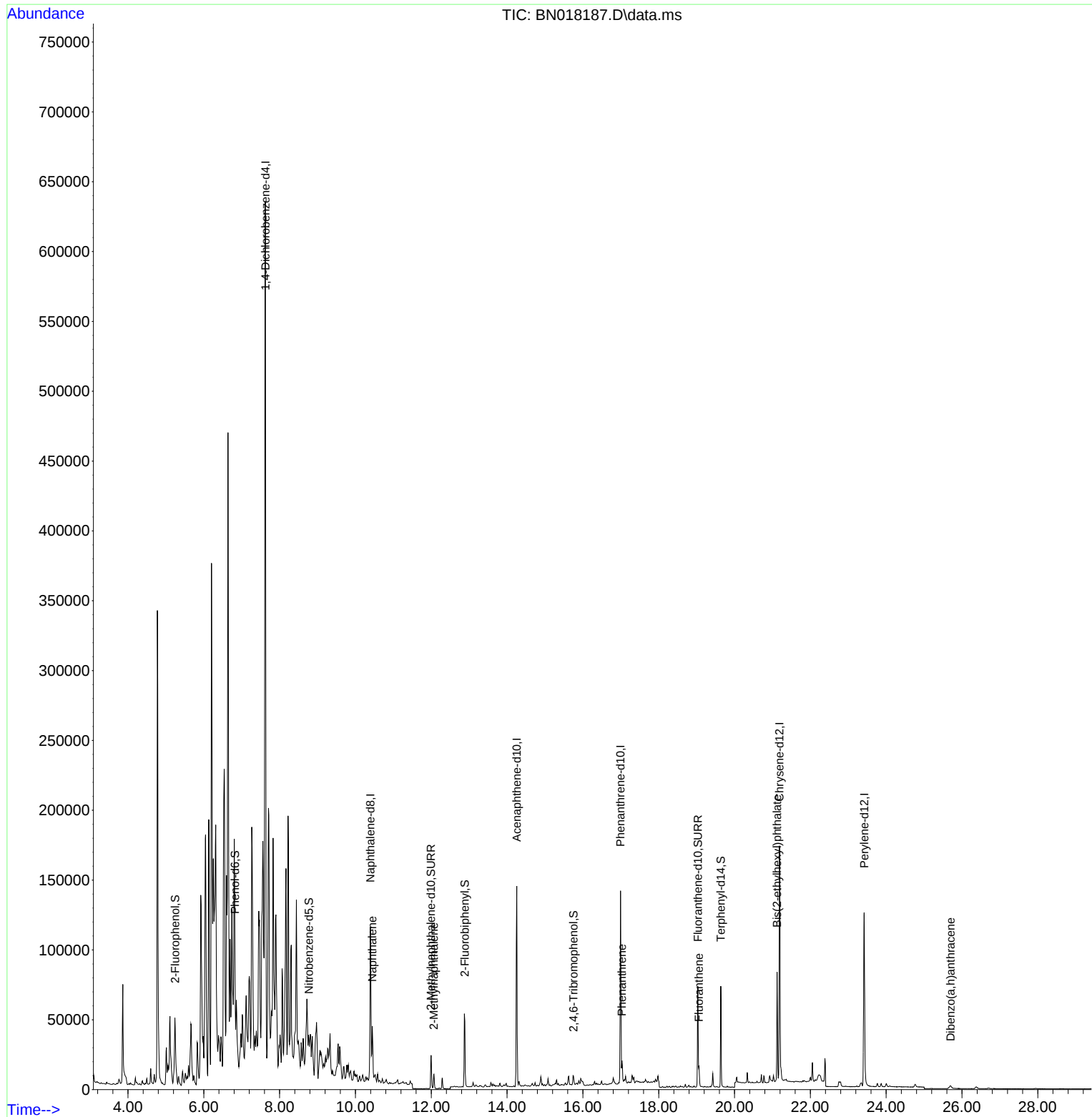
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
Data File : BN018187.D
Acq On : 23 Dec 2021 18:25
Operator : CG/JU
Sample : M5179-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

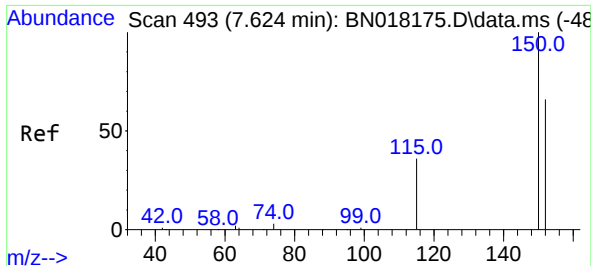
Instrument :
BNA_N
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POST-EXCAVATION-BOTTOM-1

Quant Time: Dec 24 23:32:28 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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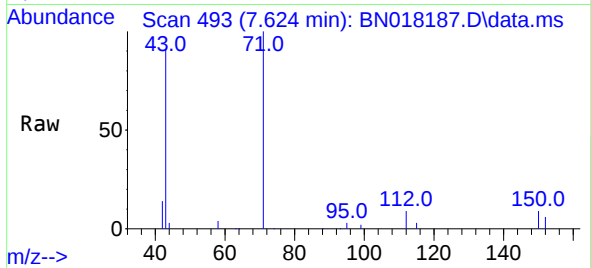
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.624 min Scan# 493
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

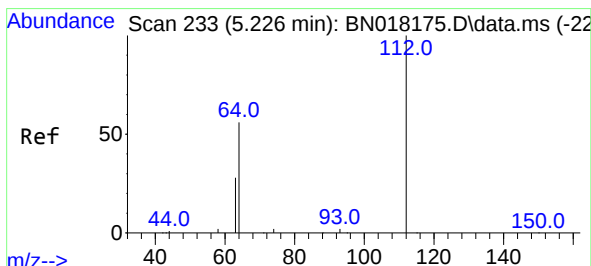
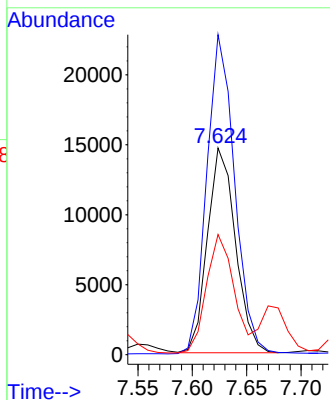
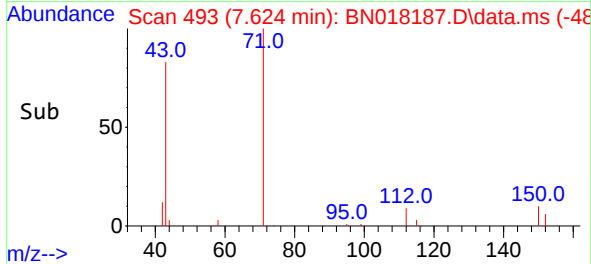
Instrument :
BNA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1



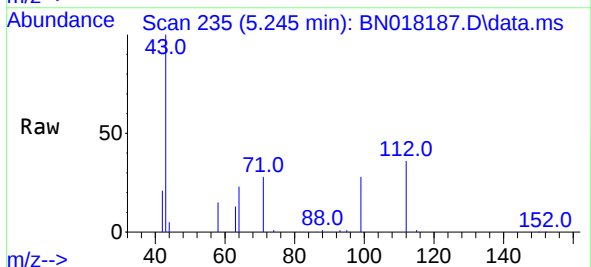
Tgt Ion:152 Resp: 2630
Ion Ratio Lower Upper
152 100
150 154.8 121.7 182.5
115 58.1 43.8 65.8

Manual Integrations
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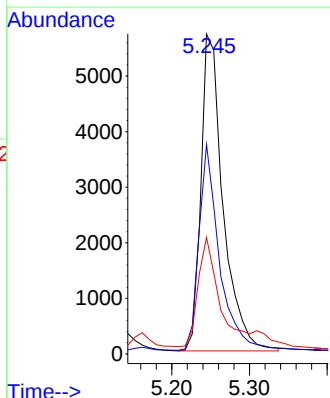
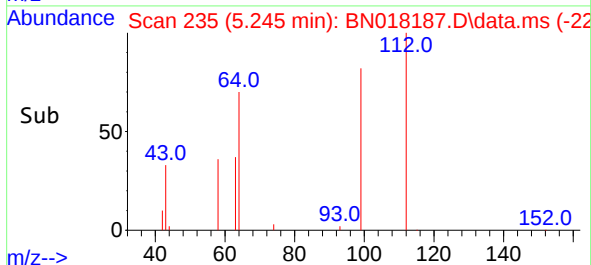
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

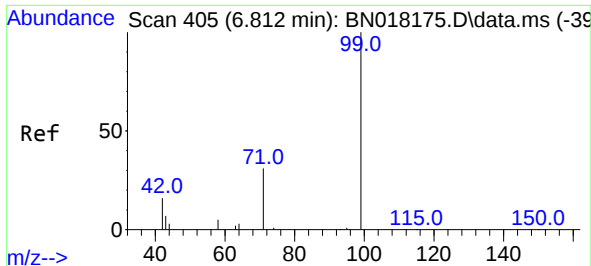


#4
2-Fluorophenol
Concen: 0.197 ng
RT: 5.245 min Scan# 235
Delta R.T. 0.019 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25



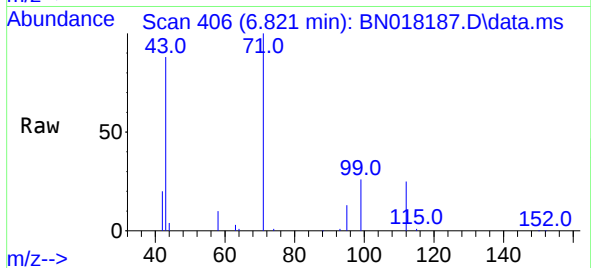
Tgt Ion:112 Resp: 11292
Ion Ratio Lower Upper
112 100
64 60.1 48.0 72.0
63 36.7 25.3 37.9





#5
Phenol-d6
Concen: 0.244 ng
RT: 6.821 min Scan# 405
Delta R.T. 0.009 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

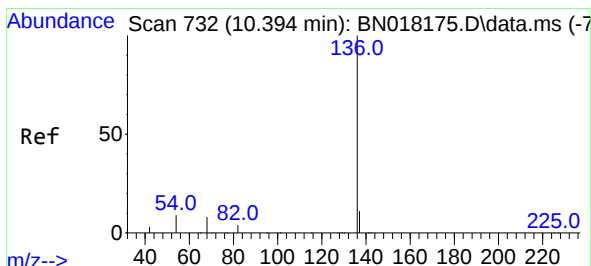
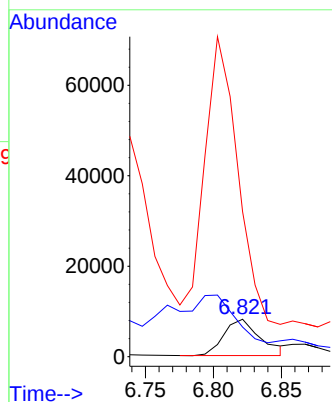
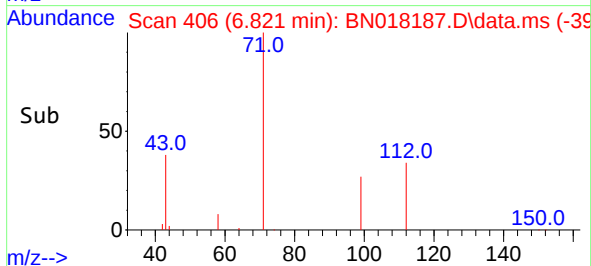
Instrument :
BNA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1



Tgt Ion: 99 Resp: 1499
Ion Ratio Lower Upper
99 100
42 222.7 16.3 24.5
71 740.0 26.8 40.2

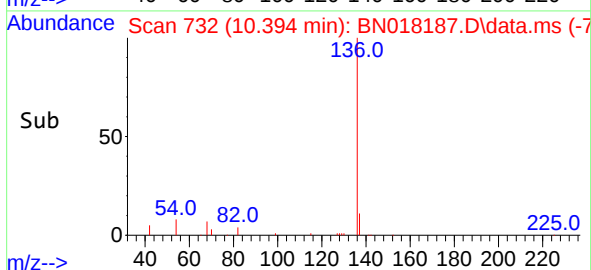
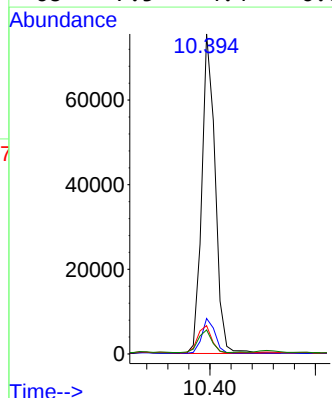
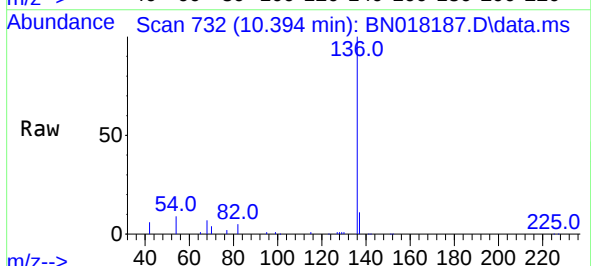
Manual Integrations
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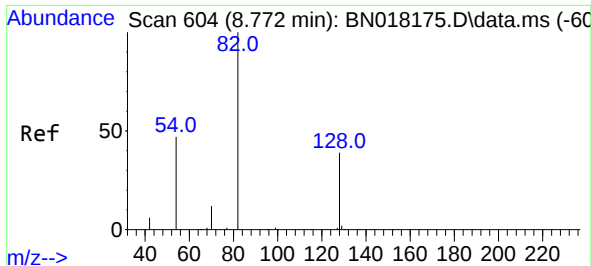
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 732
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

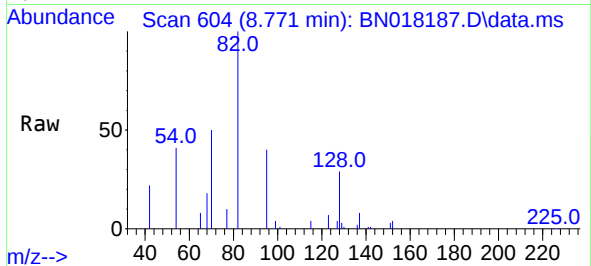
Tgt Ion:136 Resp: 133346
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.8 5.0 7.6#
68 7.5 4.4 6.6#





#8
Nitrobenzene-d5
Concen: 0.265 ng
RT: 8.771 min Scan# 604
Delta R.T. -0.001 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

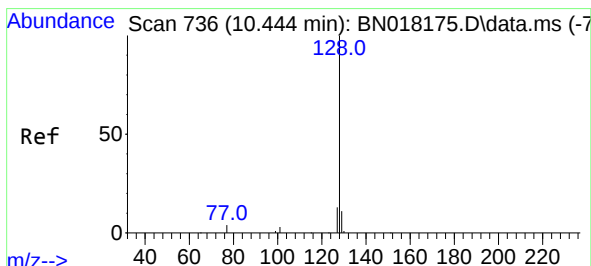
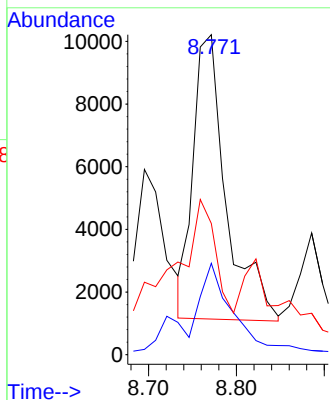
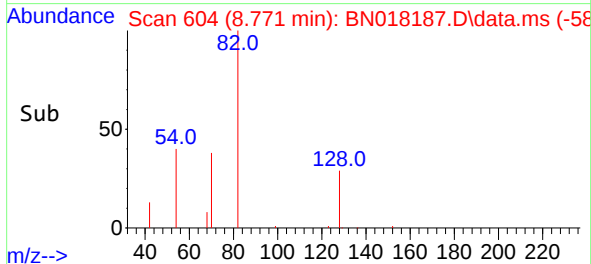
Instrument : BNA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-1



Tgt Ion: 82 Resp: 23764
Ion Ratio Lower Upper
82 100
128 28.6 33.7 50.5
54 41.0 36.6 55.0

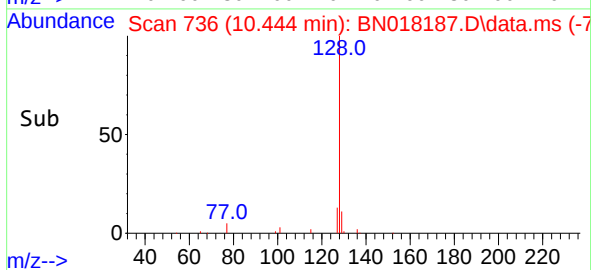
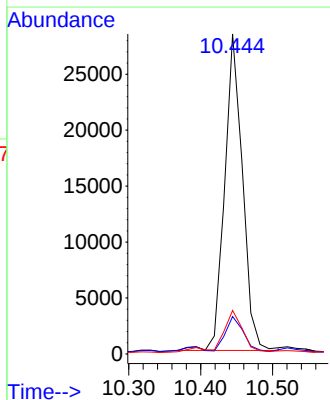
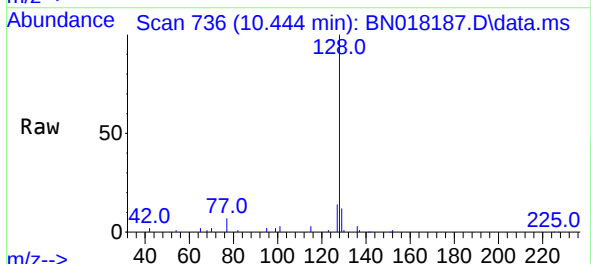
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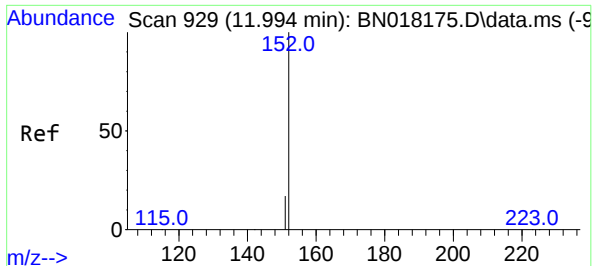
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#9
Naphthalene
Concen: 0.149 ng
RT: 10.444 min Scan# 736
Delta R.T. 0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

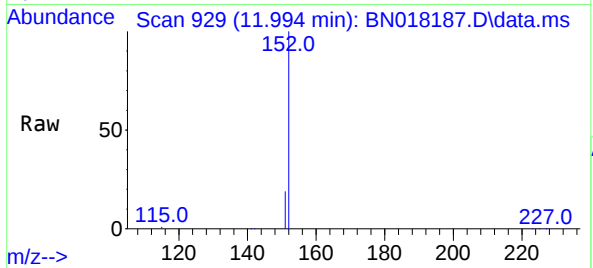
Tgt Ion:128 Resp: 48954
Ion Ratio Lower Upper
128 100
129 11.7 8.7 13.1
127 13.6 10.4 15.6





#11
2-Methylnaphthalene-d10
Concen: 0.148 ng
RT: 11.994 min Scan# 911
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

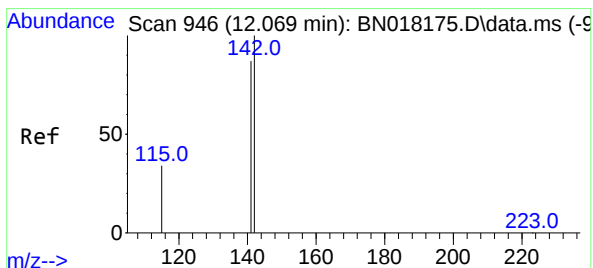
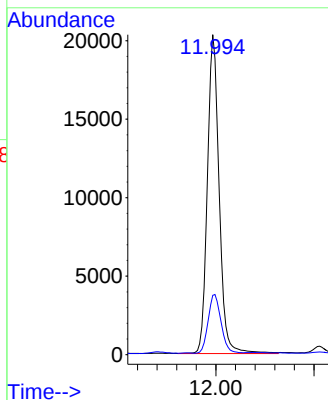
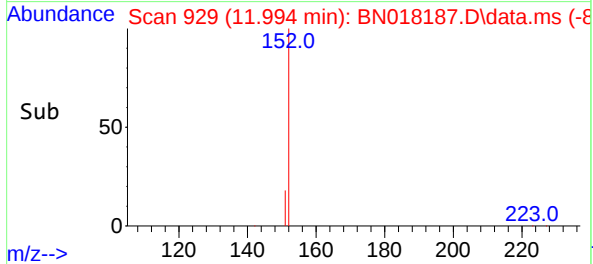
Instrument :
BNA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1



Tgt Ion:152 Resp: 3389
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2

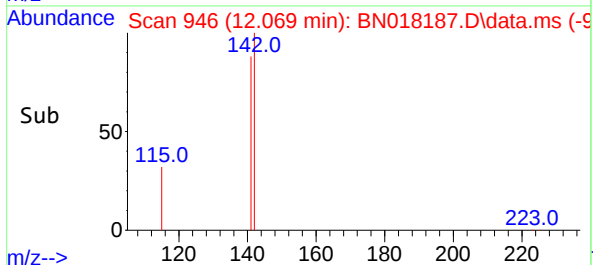
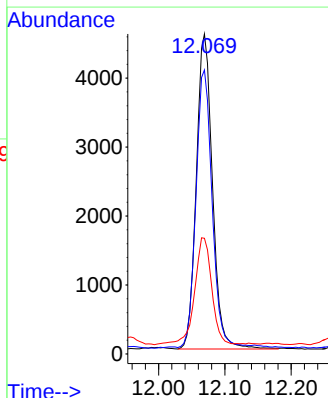
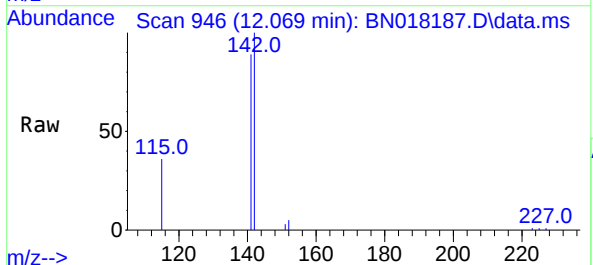
Manual Integrations
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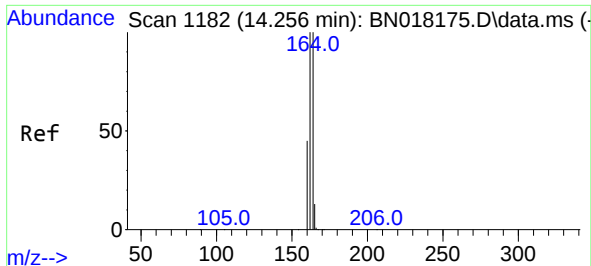
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#12
2-Methylnaphthalene
Concen: 0.036 ng
RT: 12.069 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

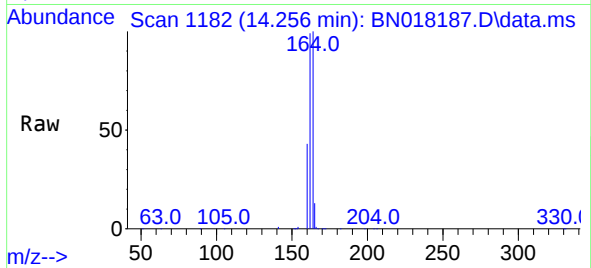
Tgt Ion:142 Resp: 7738
Ion Ratio Lower Upper
142 100
141 88.8 70.0 105.0
115 36.2 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

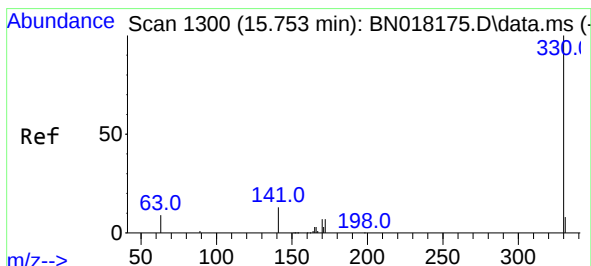
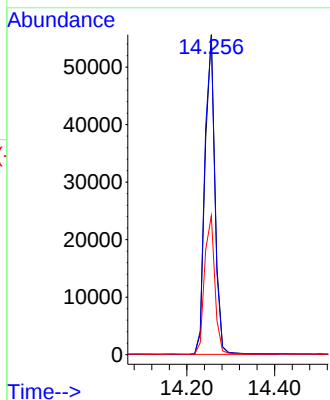
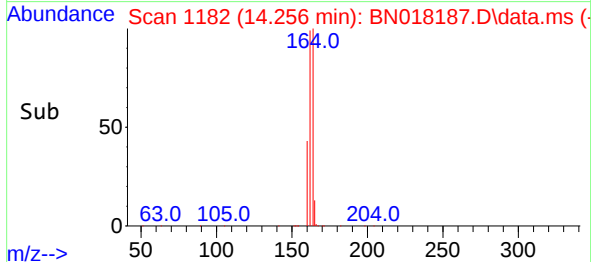
Instrument : BNA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-1



Tgt Ion:164 Resp: 87364
Ion Ratio Lower Upper
164 100
162 99.1 80.2 120.2
160 43.4 36.9 55.3

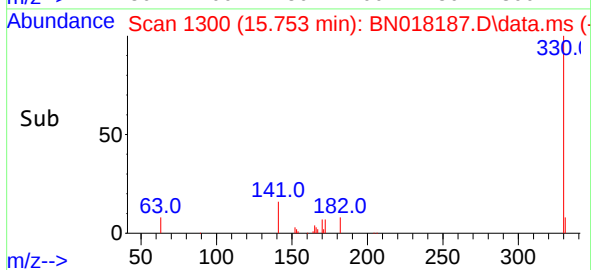
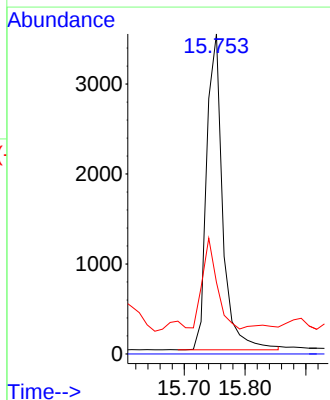
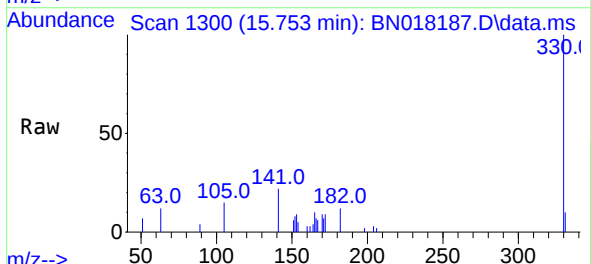
Manual Integrations
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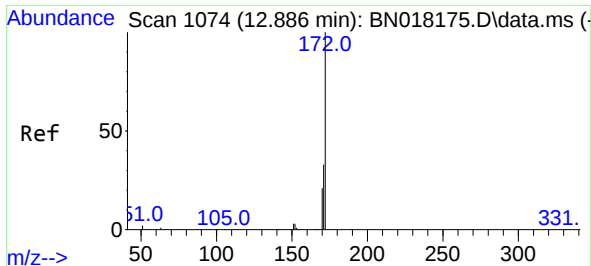
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#14
2,4,6-Tribromophenol
Concen: 0.293 ng
RT: 15.753 min Scan# 1300
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

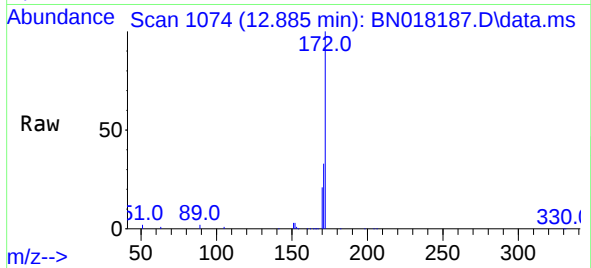
Tgt Ion:330 Resp: 6435
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 26.2 21.3 31.9





#15
2-Fluorobiphenyl
Concen: 0.161 ng
RT: 12.885 min Scan# 1074
Delta R.T. -0.001 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

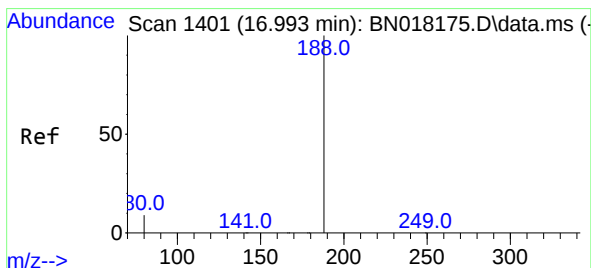
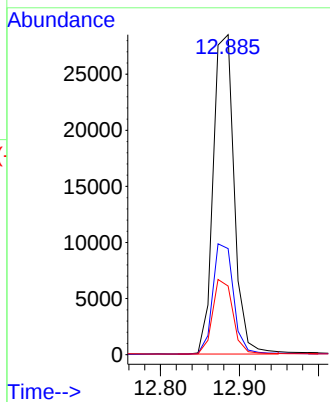
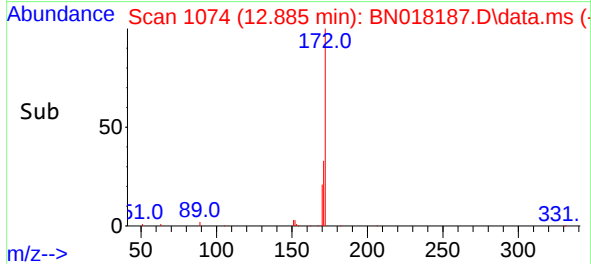
Instrument : BNA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-1



Tgt Ion:172 Resp: 52574
Ion Ratio Lower Upper
172 100
171 33.1 27.4 41.0
170 21.5 18.4 27.6

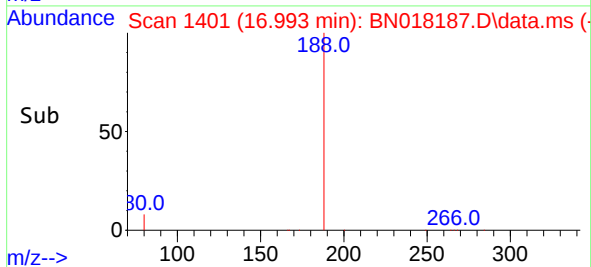
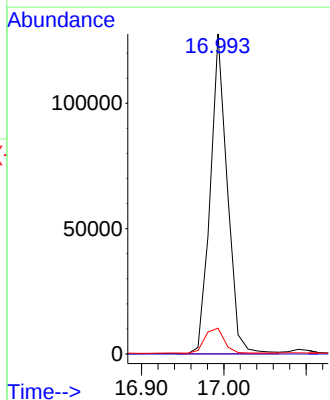
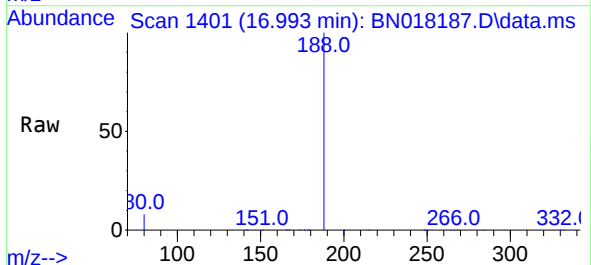
Manual Integrations
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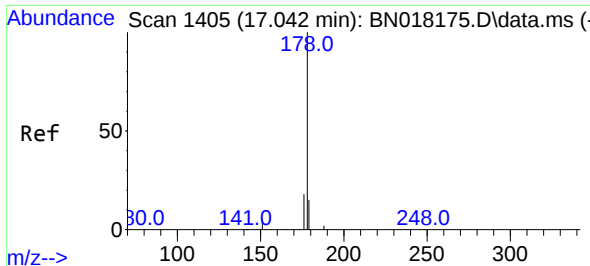
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

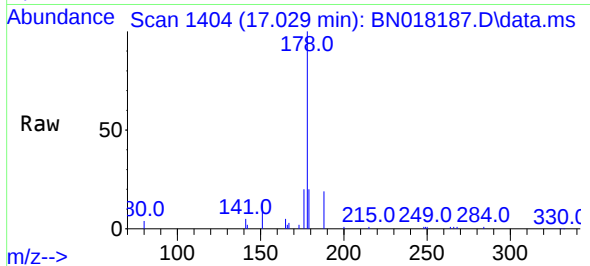
Tgt Ion:188 Resp: 182949
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.1 7.0 10.4





#25
Phenanthrene
Concen: 0.035 ng m
RT: 17.029 min Scan# 1404
Delta R.T. -0.013 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

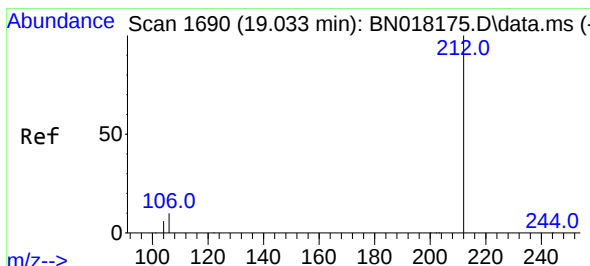
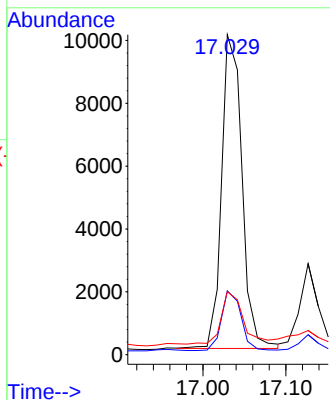
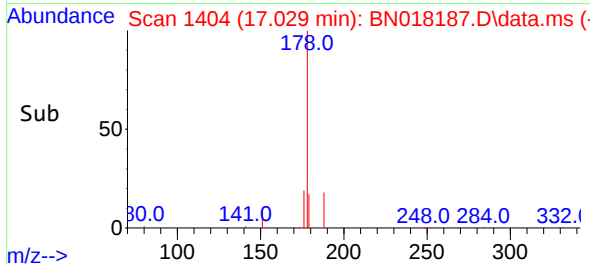
Instrument :
BNA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1



Tgt Ion:178 Resp: 17035
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 20.7 12.3 18.5

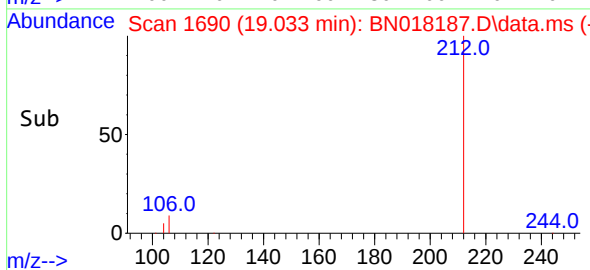
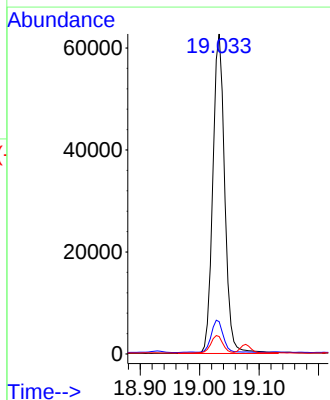
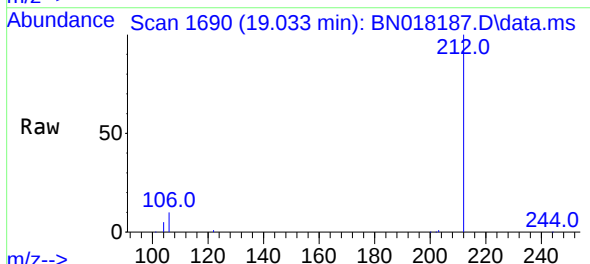
Manual Integrations
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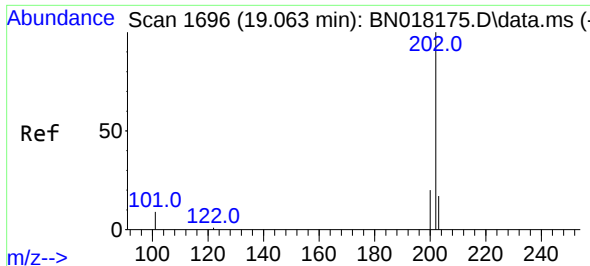
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#27
Fluoranthene-d10
Concen: 0.150 ng
RT: 19.033 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

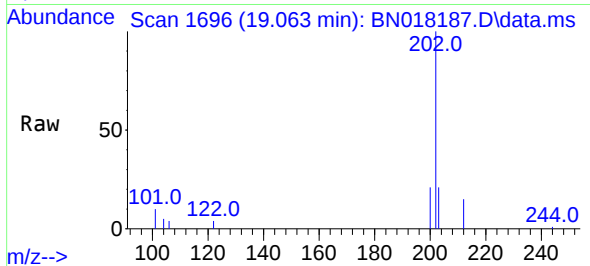
Tgt Ion:212 Resp: 87146
Ion Ratio Lower Upper
212 100
106 10.0 8.4 12.6
104 5.6 4.5 6.7





#28
Fluoranthene
Concen: 0.022 ng
RT: 19.063 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

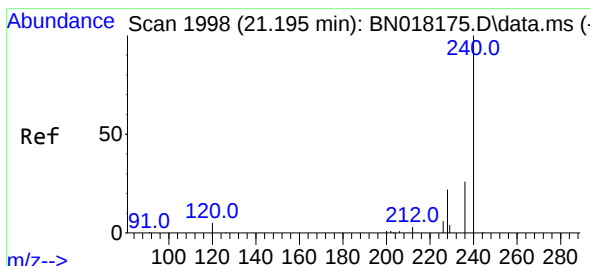
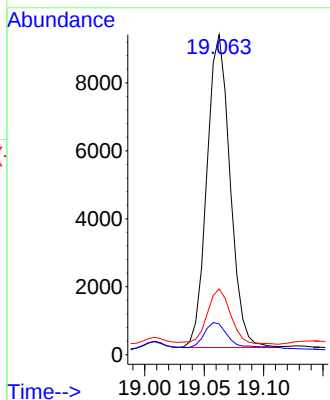
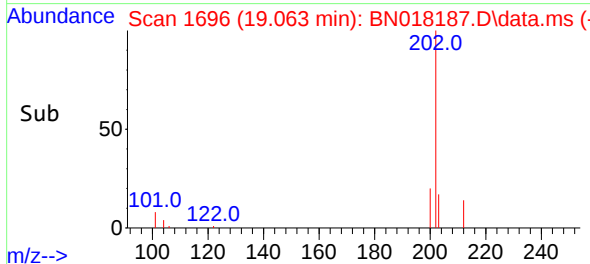
Instrument :
BNA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1



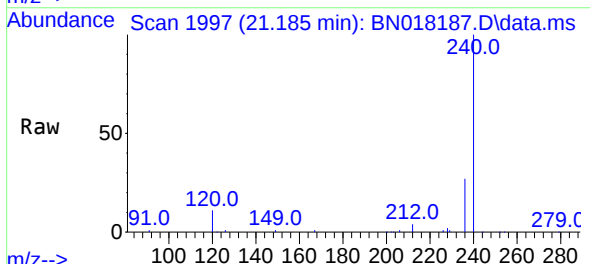
Tgt Ion:202 Resp: 12500
Ion Ratio Lower Upper
202 100
101 10.9 7.2 10.8
203 18.1 13.7 20.5

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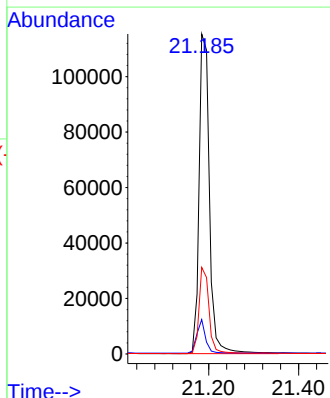
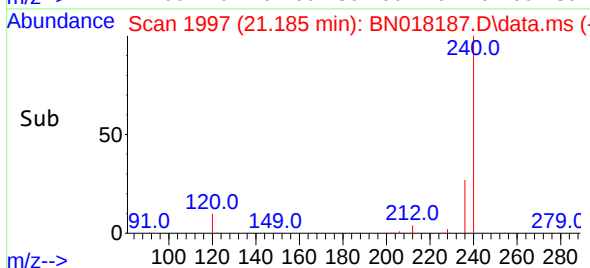
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

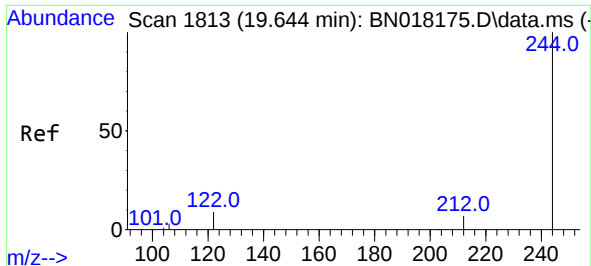


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.010 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25



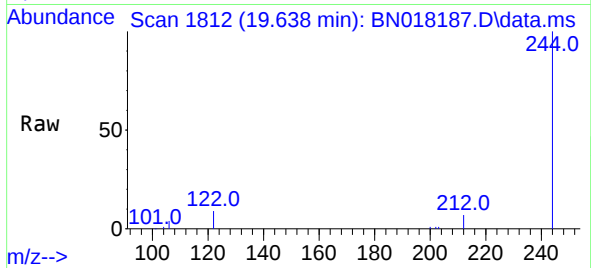
Tgt Ion:240 Resp: 184708
Ion Ratio Lower Upper
240 100
120 10.7 6.0 9.0#
236 27.0 21.4 32.2





#31
Terphenyl-d14
Concen: 0.186 ng
RT: 19.638 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

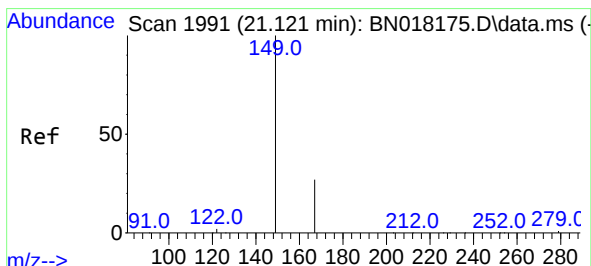
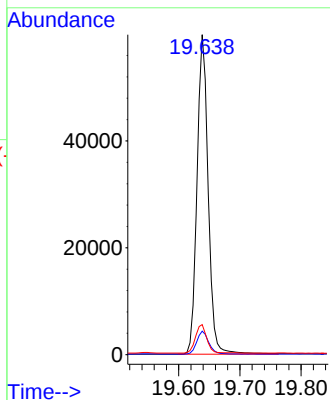
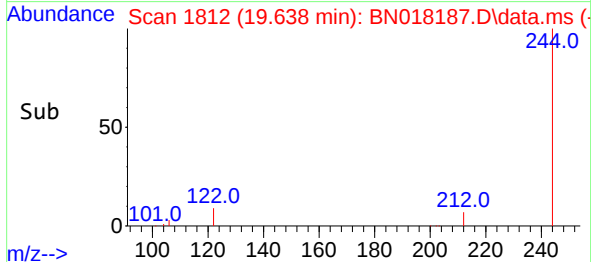
Instrument : BNA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-1



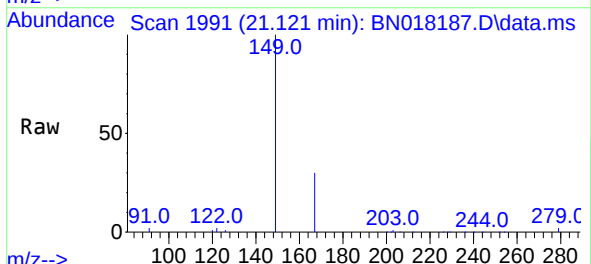
Tgt Ion:244 Resp: 75664
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.2
122 9.4 7.9 11.9

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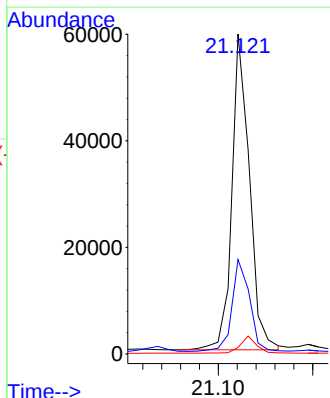
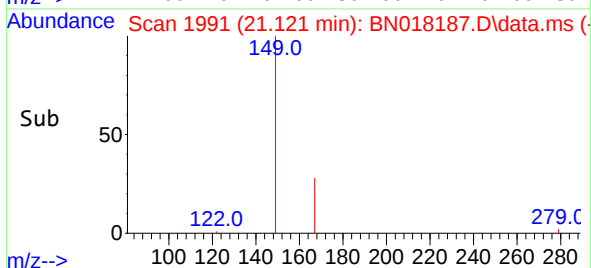
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

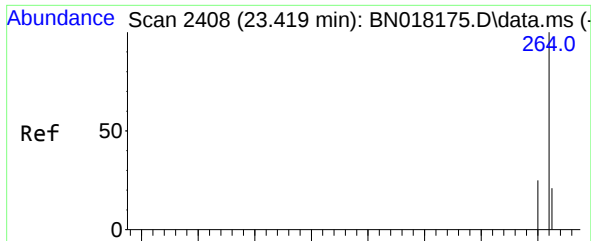


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.520 ng
RT: 21.121 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25



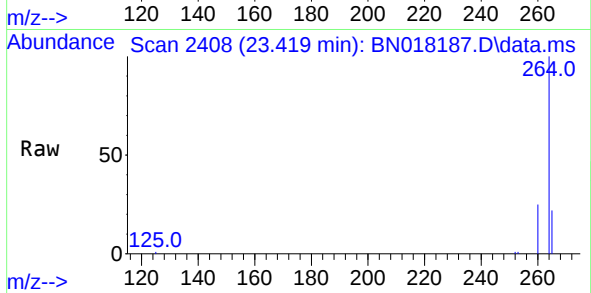
Tgt Ion:149 Resp: 76439
Ion Ratio Lower Upper
149 100
167 29.1 23.7 35.5
279 5.0 3.6 5.4





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.419 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

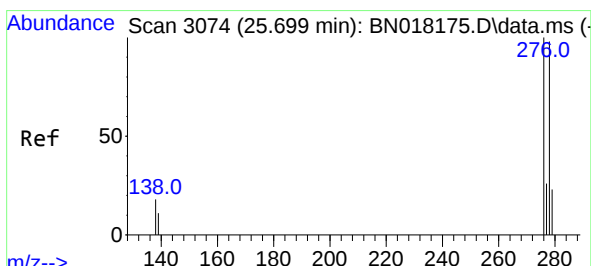
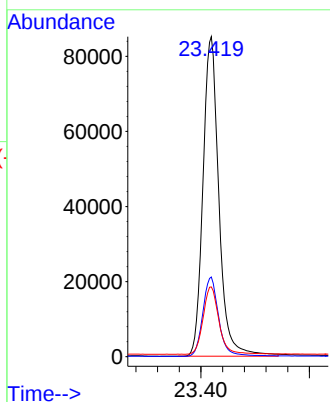
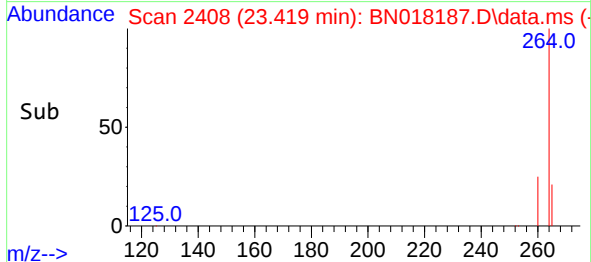
Instrument :
BNA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1



Tgt Ion:264 Resp: 173808
Ion Ratio Lower Upper
264 100
260 24.9 20.2 30.4
265 21.8 18.2 27.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#40
Dibenzo(a,h)anthracene
Concen: 0.035 ng
RT: 25.702 min Scan# 3075
Delta R.T. 0.003 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

Tgt Ion:278 Resp: 2252
Ion Ratio Lower Upper
278 100
139 45.9 10.8 16.2#
279 41.1 19.0 28.4#

