

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051024\
 Data File : BN031460.D
 Acq On : 10 May 2024 11:57
 Operator : MA/JU
 Sample : P2252-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

Manual Integrations
 APPROVED

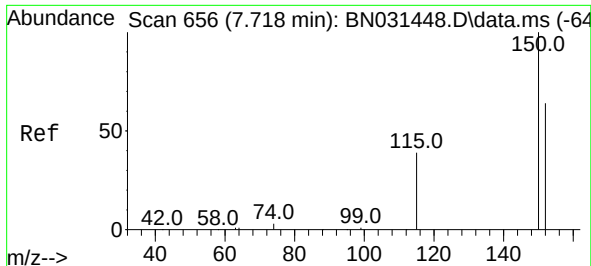
Reviewed By :Yogesh Patel 05/13/2024
 Supervised By :mohammad ahmed 05/13/2024

Quant Time: May 10 12:45:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 02:12:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	14152	0.400	ng	0.00
7) Naphthalene-d8	10.496	136	45725	0.400	ng	# 0.00
13) Acenaphthene-d10	14.349	164	25979	0.400	ng	0.00
19) Phenanthrene-d10	17.091	188	58759	0.400	ng	0.00
29) Chrysene-d12	21.274	240	53124	0.400	ng	0.00
35) Perylene-d12	23.522	264	50574	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.299	112	3355655	83.484	ng	0.00
5) Phenol-d6	6.873	99	4760344	87.867	ng	0.00
8) Nitrobenzene-d5	8.862	82	2415410	73.603	ng	0.00
11) 2-Methylnaphthalene-d10	12.104	152	7	0.000	ng	0.01
14) 2,4,6-Tribromophenol	15.837	330	1334941	135.403	ng	0.00
15) 2-Fluorobiphenyl	12.981	172	5777483	57.681	ng	0.00
27) Fluoranthene-d10	19.119	212	8	0.000	ng	0.00
31) Terphenyl-d14	19.737	244	6173393	47.495	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.549	128	9762	0.077	ng	98
10) Hexachlorobutadiene	10.838	225	1771118	79.464	ng	# 98
12) 2-Methylnaphthalene	12.164	142	1977504	22.817	ng	97
16) Acenaphthylene	14.060	152	4613710	35.297	ng	99
17) Acenaphthene	14.413	154	2112689	25.921	ng	99
18) Fluorene	15.407	166	10157325	95.258	ng	96
21) 4-Bromophenyl-phenylether	16.296	248	2997280	87.082	ng	97
24) Pentachlorophenol	16.731	266	1098905	89.605	ng	98
26) Anthracene	17.227	178	7263329	44.624	ng	99
28) Fluoranthene	19.156	202	6107245	30.570	ng	98
30) Pyrene	19.514	202	19995m	0.093	ng	
32) Benzo(a)anthracene	21.265	228	9816m	0.048	ng	
33) Chrysene	21.310	228	22270	0.114	ng	99
34) Bis(2-ethylhexyl)phtha...	21.220	149	43942	0.366	ng	99
36) Indeno(1,2,3-cd)pyrene	25.808	276	6399837	31.751	ng	# 70
38) Benzo(k)fluoranthene	22.902	252	8587160	49.973	ng	97
39) Benzo(a)pyrene	23.429	252	4713639	29.864	ng	97
40) Dibenzo(a,h)anthracene	25.841	278	8990259	56.276	ng	99
41) Benzo(g,h,i)perylene	26.507	276	6352446	36.968	ng	99

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



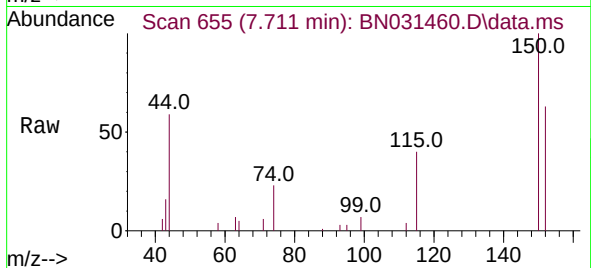
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.711 min Scan# 656
Delta R.T. -0.007 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

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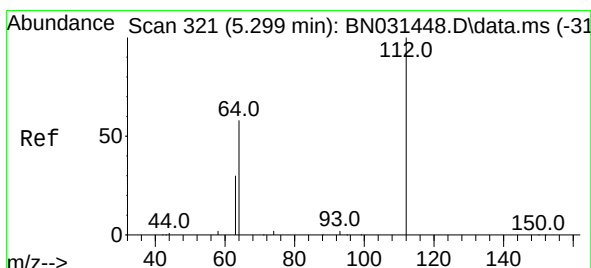
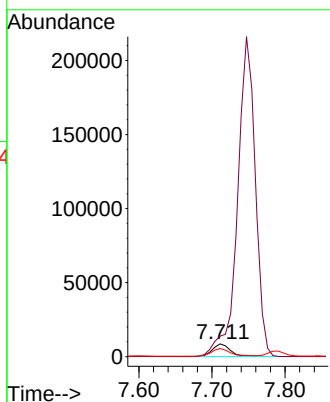
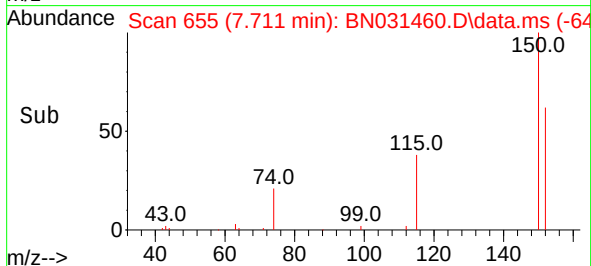


Tgt Ion:152 Resp: 14152
Ion Ratio Lower Upper
152 100
150 159.7 119.3 178.9
115 63.7 54.8 82.2

Manual Integrations

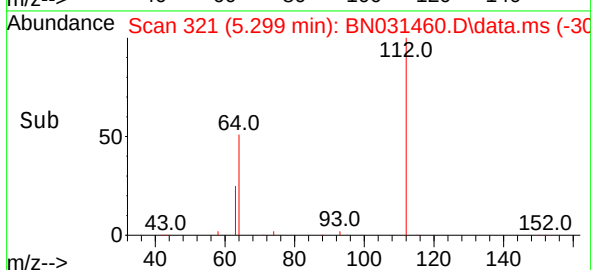
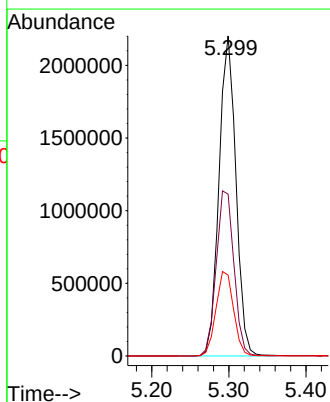
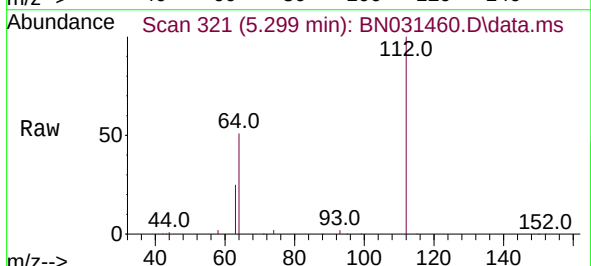
APPROVED

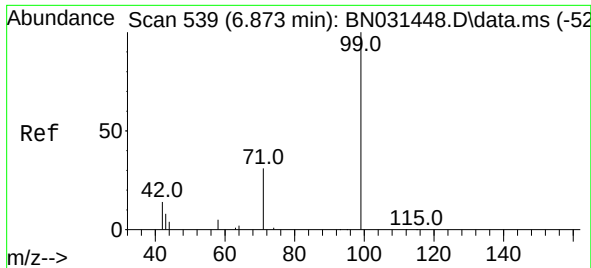
Reviewed By :Yogesh Patel 05/13/2024
Supervised By :mohammad ahmed 05/13/2024



#4
2-Fluorophenol
Concen: 83.484 ng
RT: 5.299 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Tgt Ion:112 Resp: 3355655
Ion Ratio Lower Upper
112 100
64 54.2 44.0 66.0
63 27.5 22.2 33.4





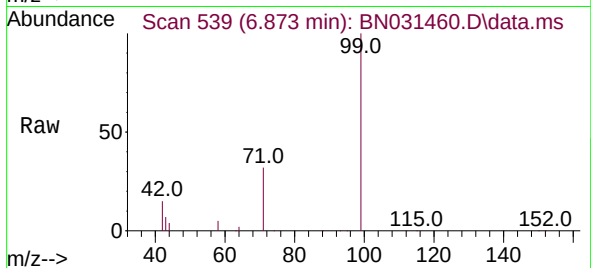
#5
Phenol-d6
Concen: 87.867 ng
RT: 6.873 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL



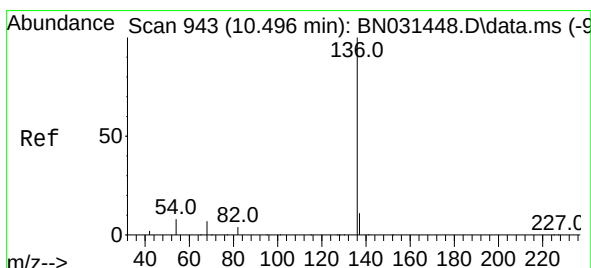
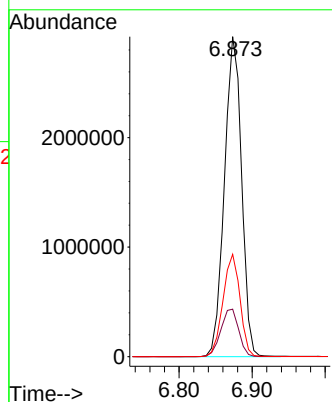
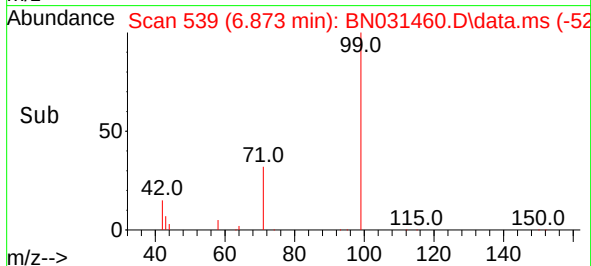
Tgt Ion: 99 Resp: 4760344
Ion Ratio Lower Upper
99 100
42 15.5 13.5 20.3
71 31.7 26.1 39.1

Manual Integrations

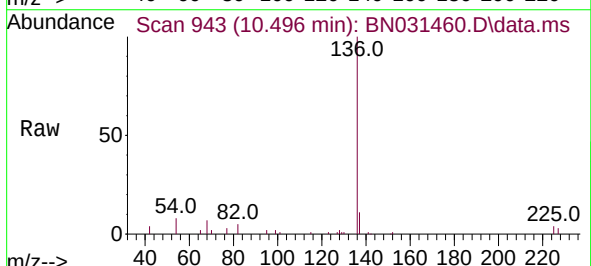
APPROVED

Reviewed By :Yogesh Patel 05/13/2024

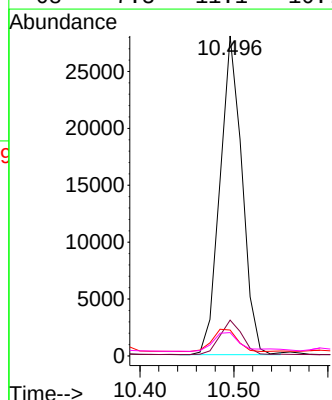
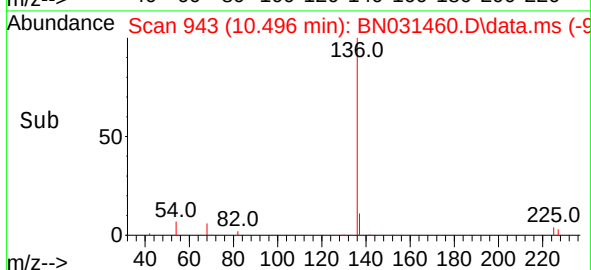
Supervised By :mohammad ahmed 05/13/2024

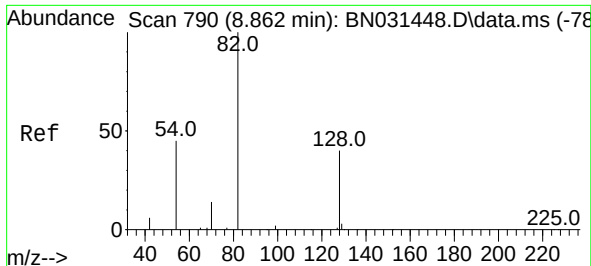


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.496 min Scan# 943
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57



Tgt Ion:136 Resp: 45725
Ion Ratio Lower Upper
136 100
137 11.2 10.1 15.1
54 8.1 10.5 15.7#
68 7.3 11.1 16.7#





#8
Nitrobenzene-d5
Concen: 73.603 ng
RT: 8.862 min Scan# 790
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

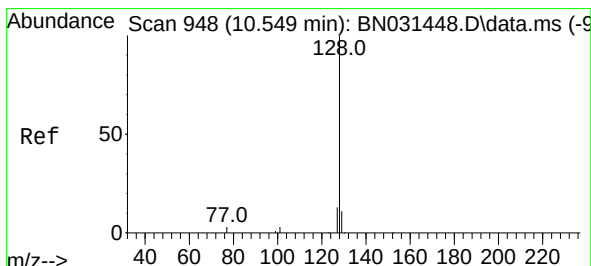
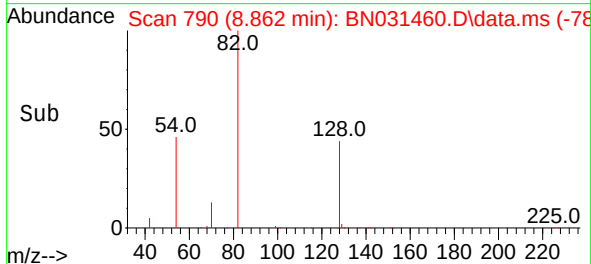
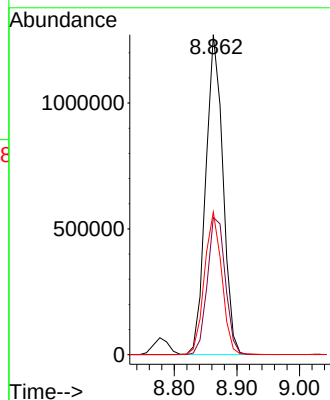
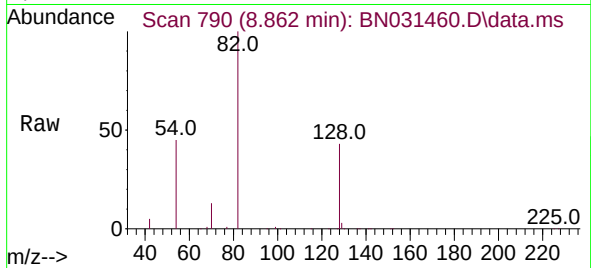
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Tgt Ion: 82 Resp: 2415410
Ion Ratio Lower Upper
82 100
128 42.9 29.0 43.6
54 44.6 37.2 55.8

Manual Integrations

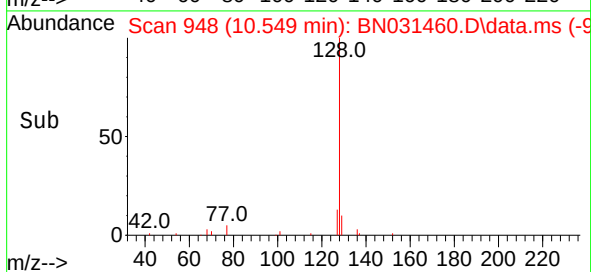
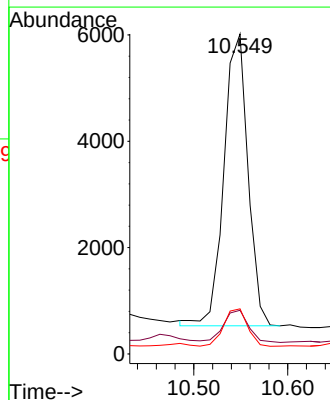
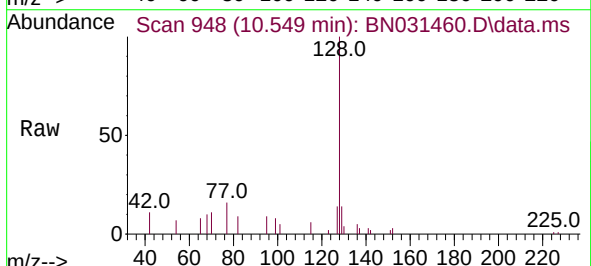
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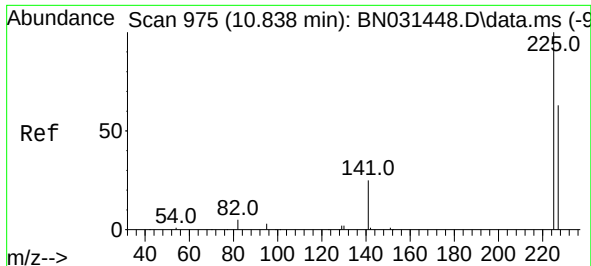
Reviewed By :Yogesh Patel 05/13/2024
Supervised By :mohammad ahmed 05/13/2024



#9
Naphthalene
Concen: 0.077 ng
RT: 10.549 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Tgt Ion:128 Resp: 9762
Ion Ratio Lower Upper
128 100
129 13.6 10.2 15.4
127 14.1 11.7 17.5





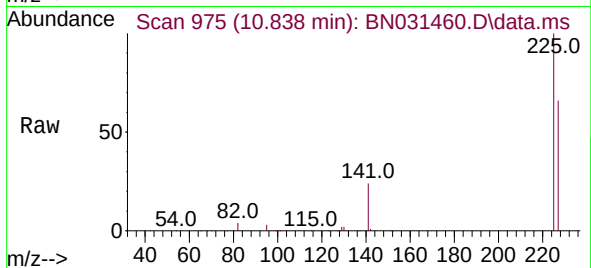
#10
Hexachlorobutadiene
Concen: 79.464 ng
RT: 10.838 min Scan# 911
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

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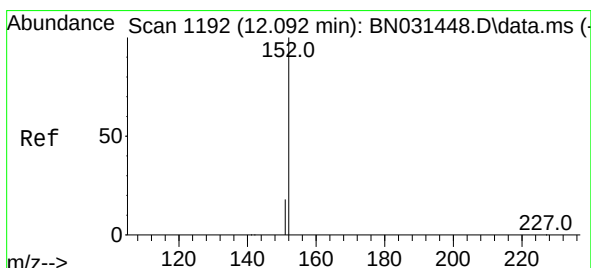
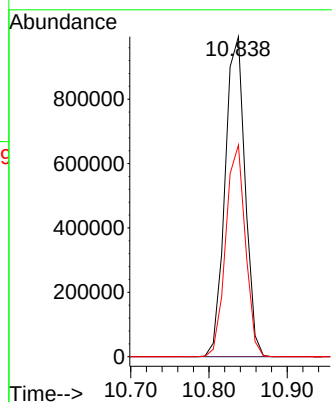
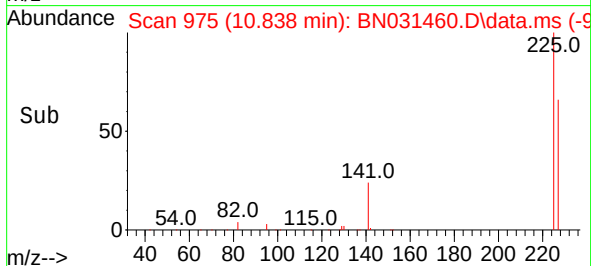
Tgt Ion:225 Resp: 1771118
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.7 50.7 76.1

Manual Integrations

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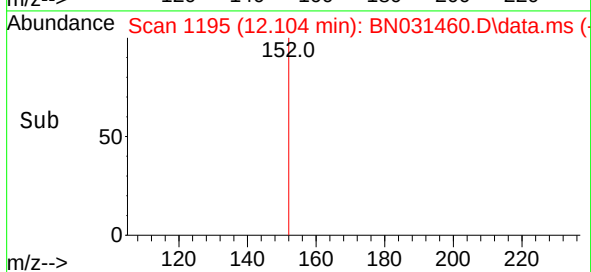
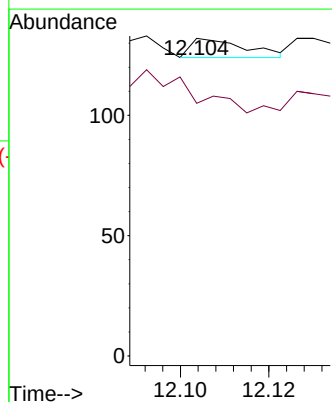
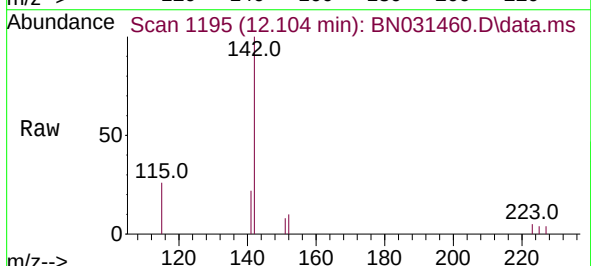
Reviewed By :Yogesh Patel 05/13/2024

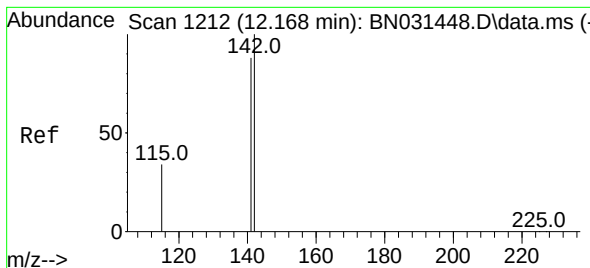
Supervised By :mohammad ahmed 05/13/2024



#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.104 min Scan# 1195
Delta R.T. 0.011 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Tgt Ion:152 Resp: 7
Ion Ratio Lower Upper
152 100
151 200.0 16.6 25.0#





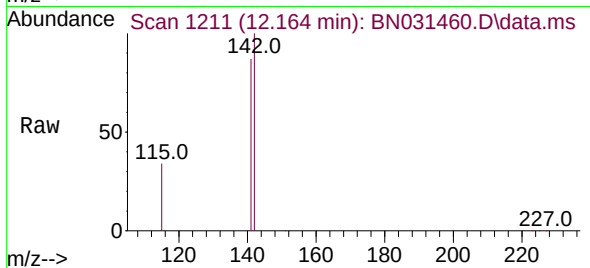
#12
2-Methylnaphthalene
Concen: 22.817 ng
RT: 12.164 min Scan# 1211
Delta R.T. -0.004 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL



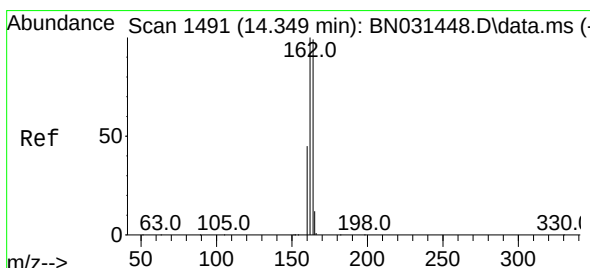
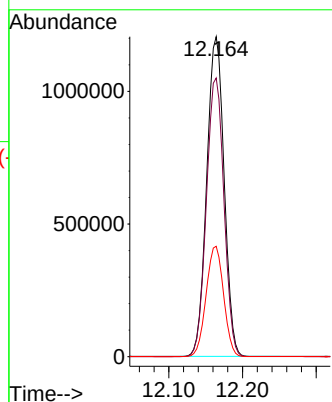
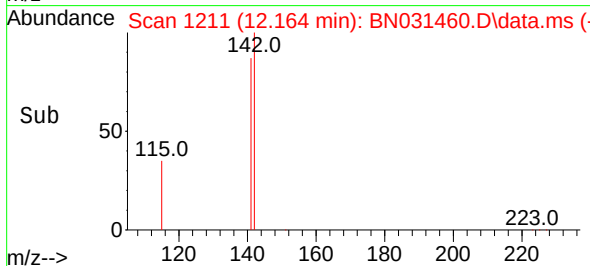
Tgt Ion:142 Resp: 1977504
Ion Ratio Lower Upper
142 100
141 87.1 71.0 106.6
115 34.5 30.2 45.2

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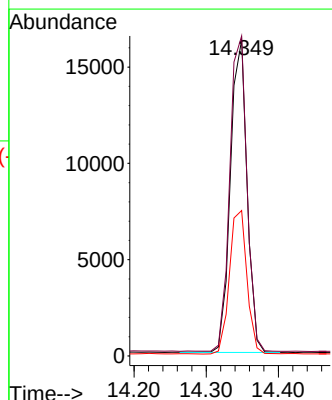
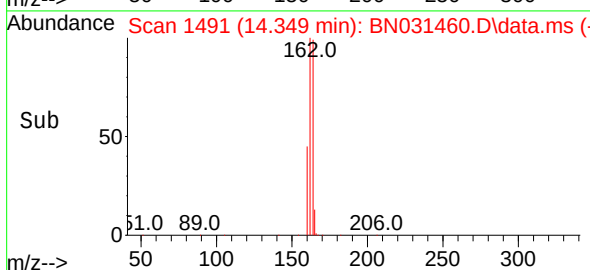
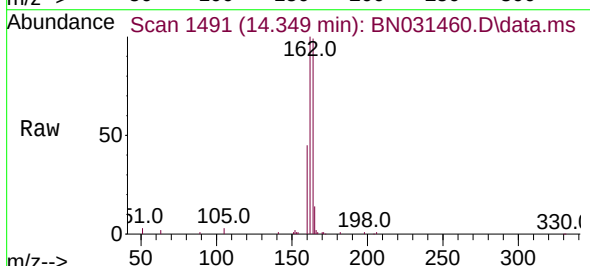
Reviewed By :Yogesh Patel 05/13/2024

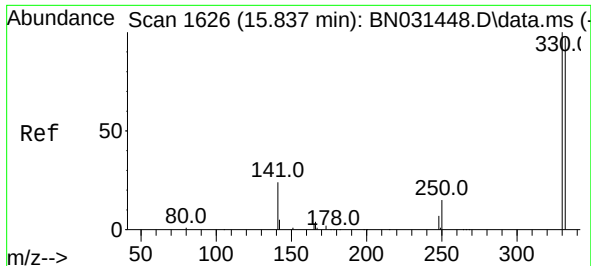
Supervised By :mohammad ahmed 05/13/2024



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.349 min Scan# 1491
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Tgt Ion:164 Resp: 25979
Ion Ratio Lower Upper
164 100
162 101.2 81.2 121.8
160 46.0 37.0 55.6





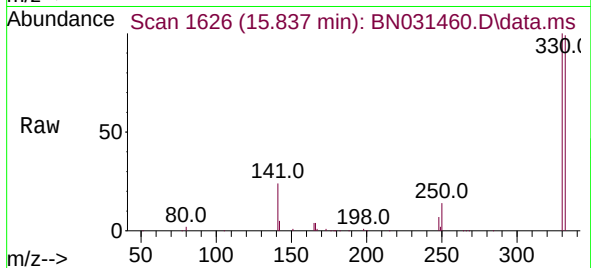
#14
2,4,6-Tribromophenol
Concen: 135.403 ng
RT: 15.837 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL



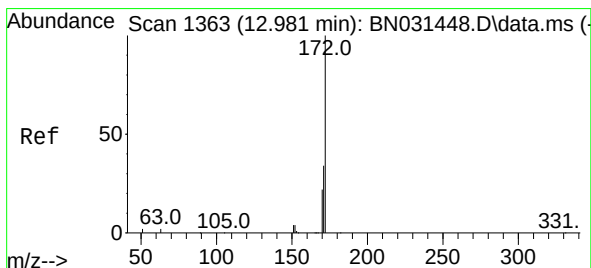
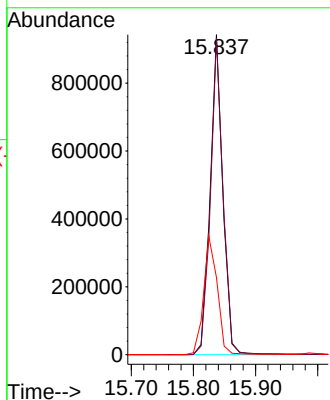
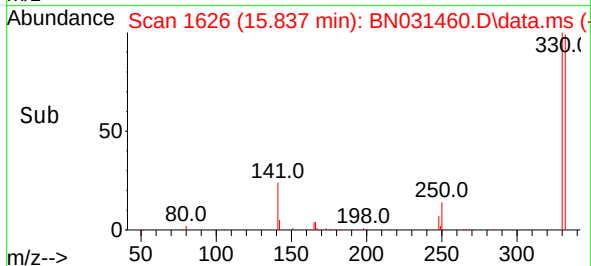
Tgt Ion:330 Resp: 133494
Ion Ratio Lower Upper
330 100
332 98.1 76.6 114.8
141 40.1 37.0 55.4

Manual Integrations

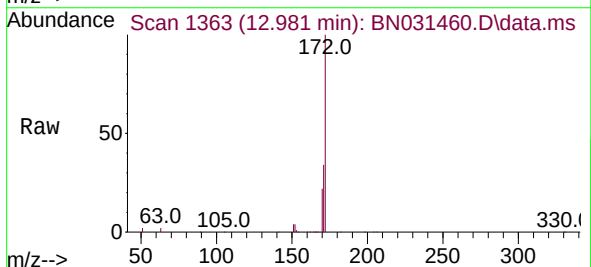
APPROVED

Reviewed By :Yogesh Patel 05/13/2024

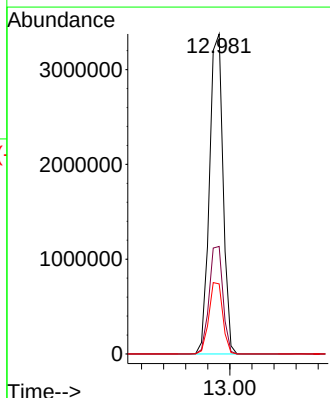
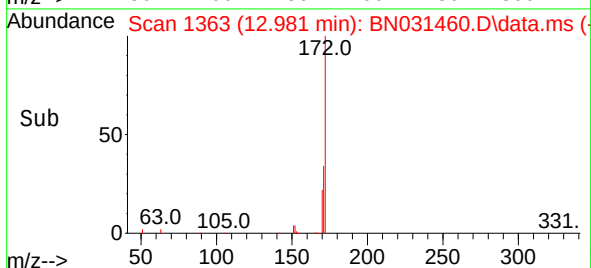
Supervised By :mohammad ahmed 05/13/2024

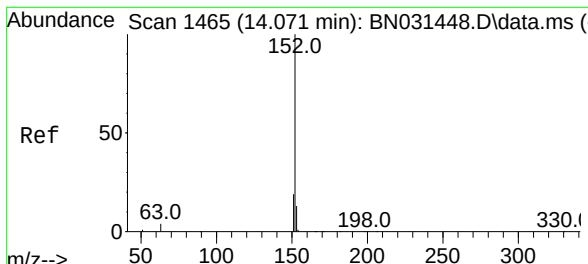


#15
2-Fluorobiphenyl
Concen: 57.681 ng
RT: 12.981 min Scan# 1363
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57



Tgt Ion:172 Resp: 5777483
Ion Ratio Lower Upper
172 100
171 33.6 27.8 41.8
170 21.9 18.3 27.5





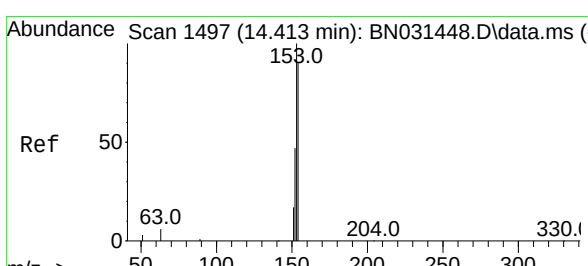
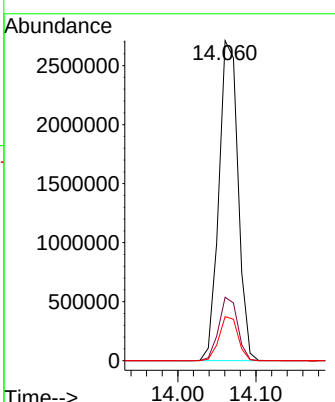
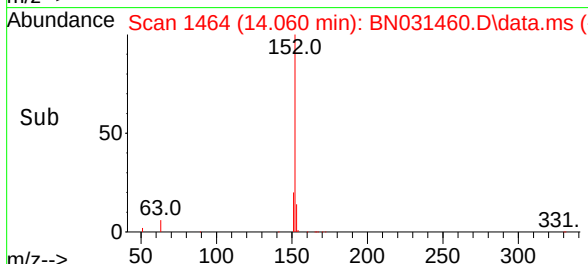
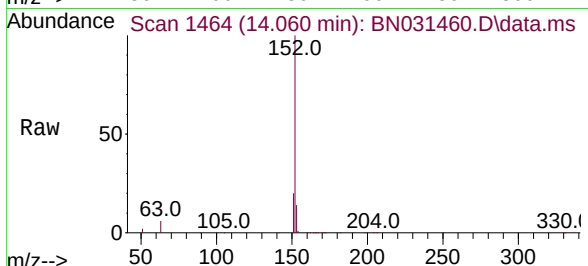
#16
 Acenaphthylene
 Concen: 35.297 ng
 RT: 14.060 min Scan# 1464
 Delta R.T. -0.011 min
 Lab File: BN031460.D
 Acq: 10 May 2024 11:57

Instrument : BNA_N
 ClientSampleId : PT-BNA-SOIL

Tgt Ion:152 Resp: 4613710

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	13.6	10.5	15.7

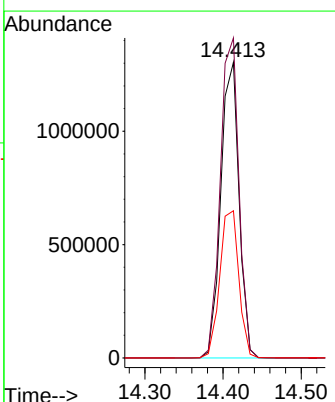
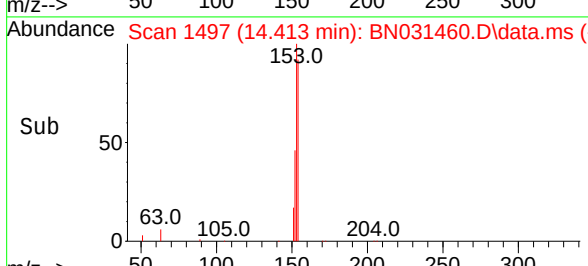
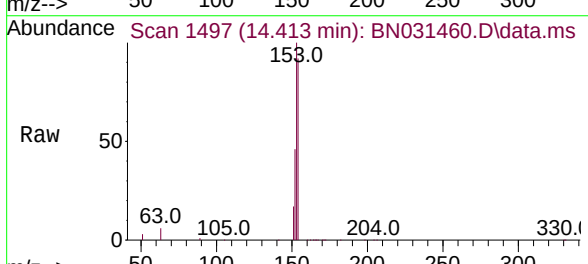
Manual Integrations
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 Supervised By :mohammad ahmed 05/13/2024

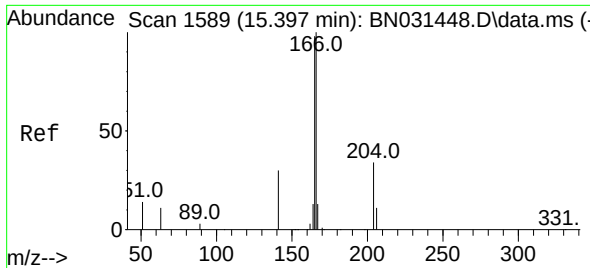


#17
 Acenaphthene
 Concen: 25.921 ng
 RT: 14.413 min Scan# 1497
 Delta R.T. -0.000 min
 Lab File: BN031460.D
 Acq: 10 May 2024 11:57

Tgt Ion:154 Resp: 2112689

Ion	Ratio	Lower	Upper
154	100		
153	110.8	89.1	133.7
152	52.2	42.6	64.0





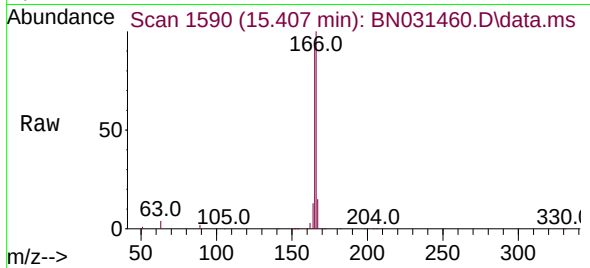
#18
Fluorene
Concen: 95.258 ng
RT: 15.407 min Scan# 1590
Delta R.T. 0.011 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL



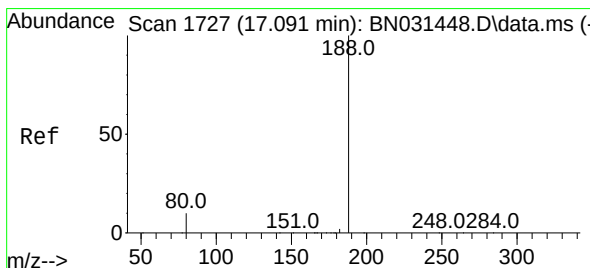
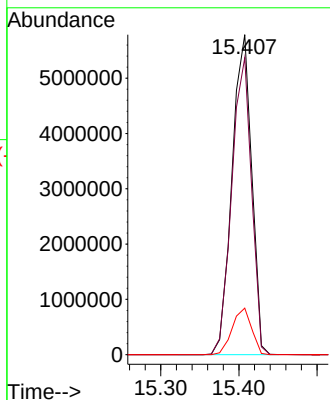
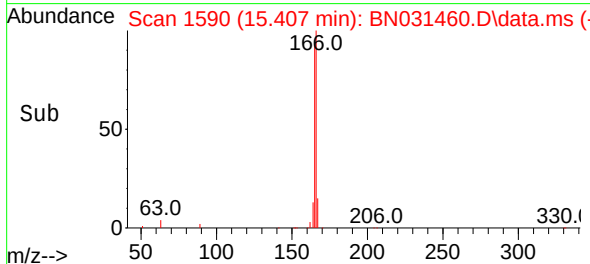
Tgt Ion:166 Resp:10157324
Ion Ratio Lower Upper
166 100
165 93.1 78.2 117.2
167 14.3 10.8 16.2

Manual Integrations

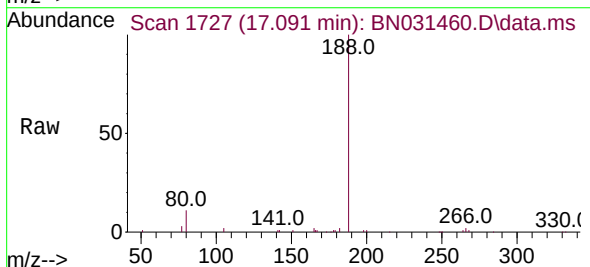
APPROVED

Reviewed By :Yogesh Patel 05/13/2024

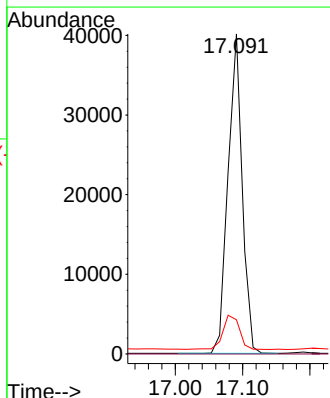
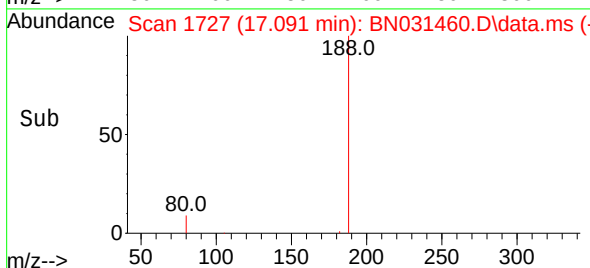
Supervised By :mohammad ahmed 05/13/2024

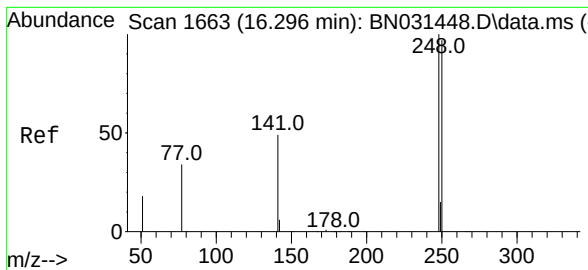


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.091 min Scan# 1727
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57



Tgt Ion:188 Resp: 58759
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.7 9.6 14.4





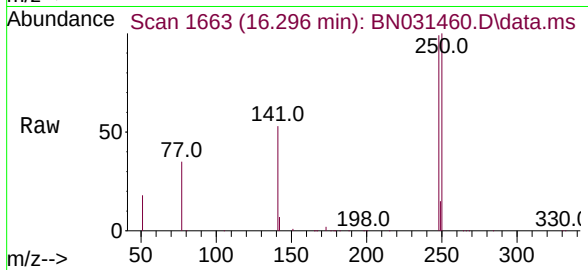
#21
4-Bromophenyl-phenylether
Concen: 87.082 ng
RT: 16.296 min Scan# 1663
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

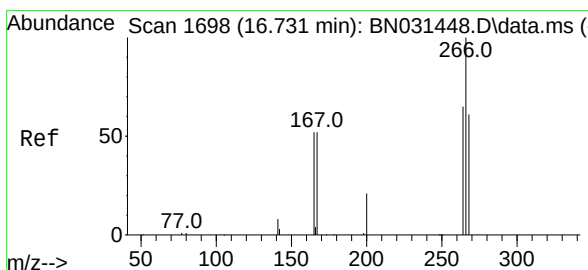
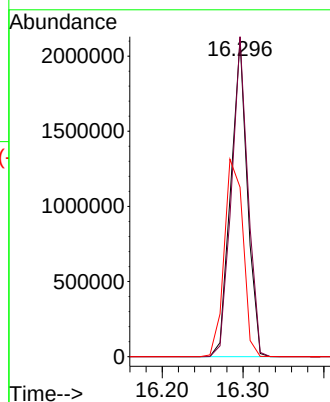
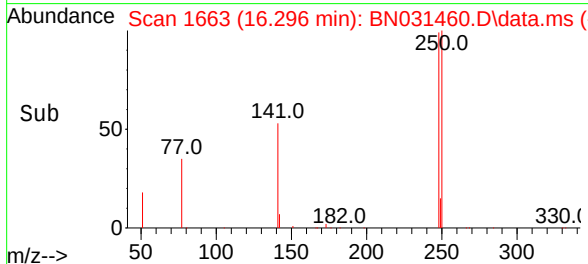


Tgt Ion:248 Resp: 2997280
Ion Ratio Lower Upper
248 100
250 100.8 77.9 116.9
141 53.4 43.4 65.2

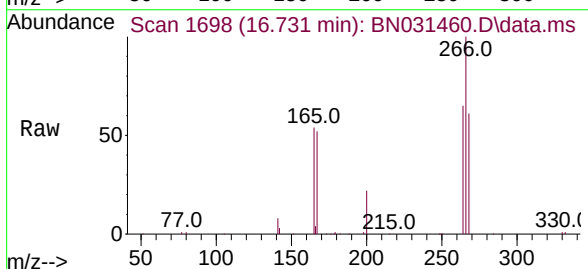
Manual Integrations

APPROVED

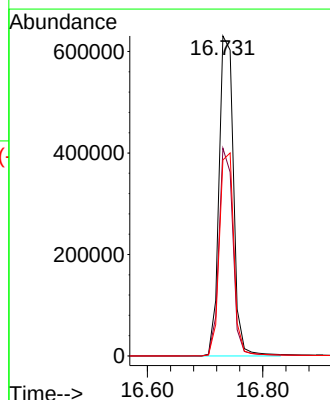
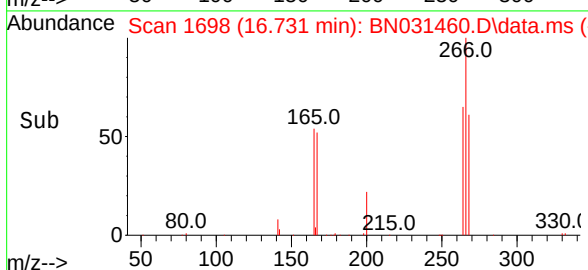
Reviewed By :Yogesh Patel 05/13/2024
Supervised By :mohammad ahmed 05/13/2024

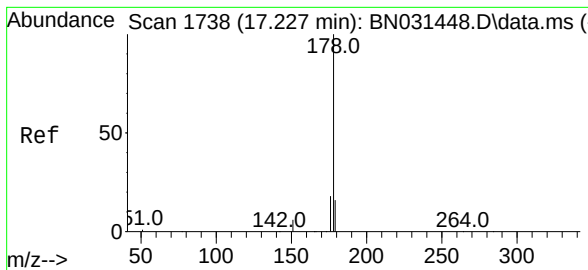


#24
Pentachlorophenol
Concen: 89.605 ng
RT: 16.731 min Scan# 1698
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57



Tgt Ion:266 Resp: 1098905
Ion Ratio Lower Upper
266 100
264 62.8 50.6 75.8
268 63.6 49.0 73.4





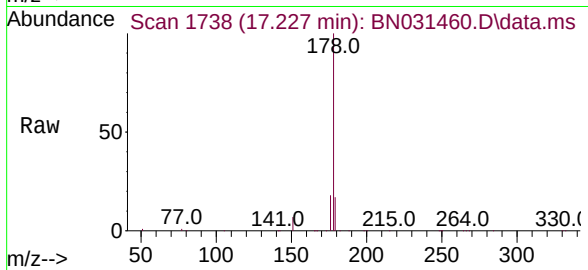
#26
 Anthracene
 Concen: 44.624 ng
 RT: 17.227 min Scan# 1738
 Delta R.T. -0.000 min
 Lab File: BN031460.D
 Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL



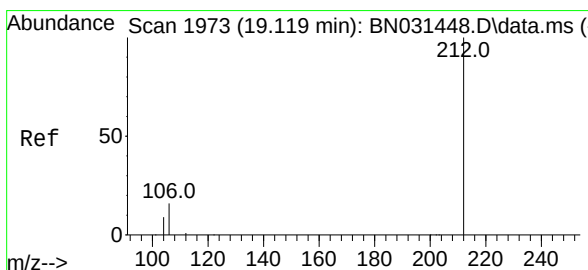
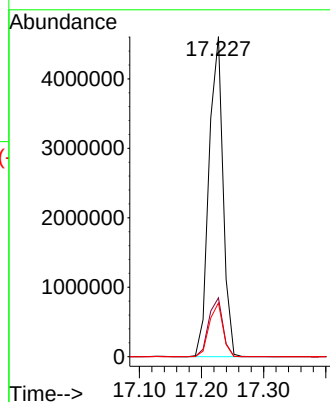
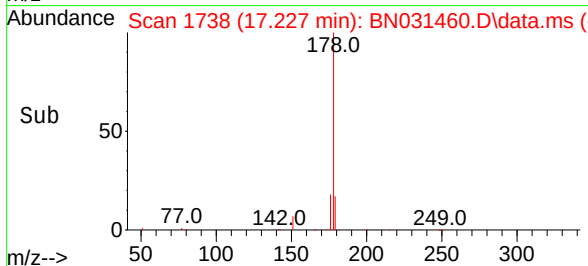
Tgt Ion:178 Resp: 7263329
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.9 22.3
 179 16.4 12.4 18.6

Manual Integrations

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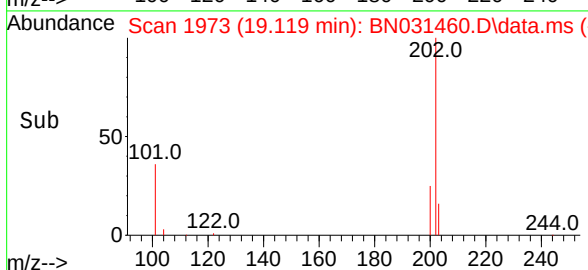
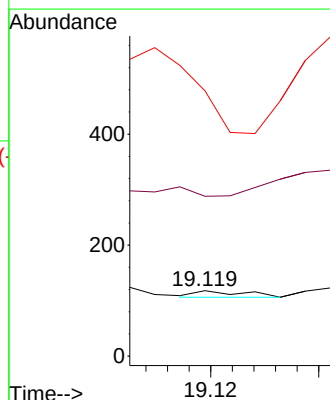
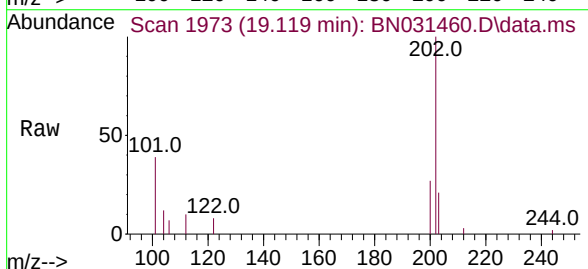
Reviewed By :Yogesh Patel 05/13/2024

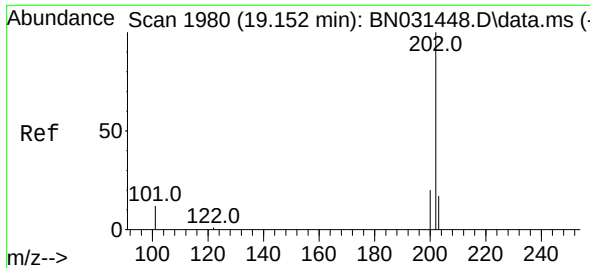
Supervised By :mohammad ahmed 05/13/2024



#27
 Fluoranthene-d10
 Concen: 0.000 ng
 RT: 19.119 min Scan# 1973
 Delta R.T. -0.000 min
 Lab File: BN031460.D
 Acq: 10 May 2024 11:57

Tgt Ion:212 Resp: 8
 Ion Ratio Lower Upper
 212 100
 106 0.0 12.0 18.0#
 104 4075.0 6.9 10.3#





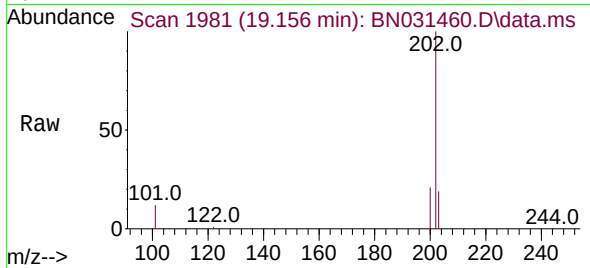
#28
Fluoranthene
Concen: 30.570 ng
RT: 19.156 min Scan# 1981
Delta R.T. 0.005 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL



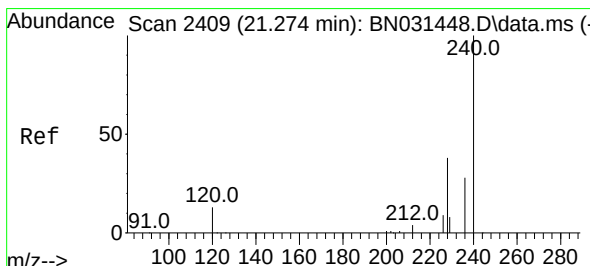
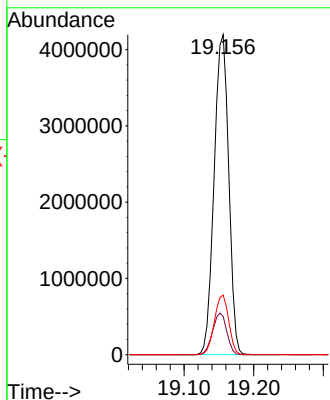
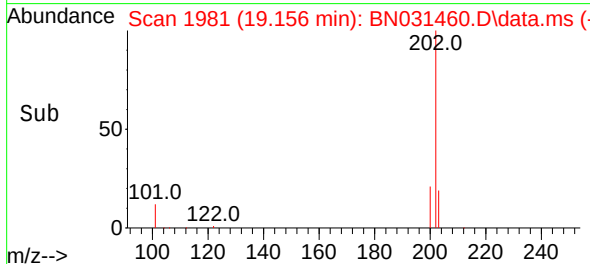
Tgt Ion:202 Resp: 610724
Ion Ratio Lower Upper
202 100
101 12.6 9.8 14.6
203 18.3 13.8 20.8

Manual Integrations

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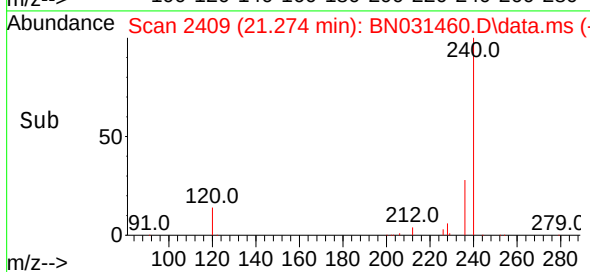
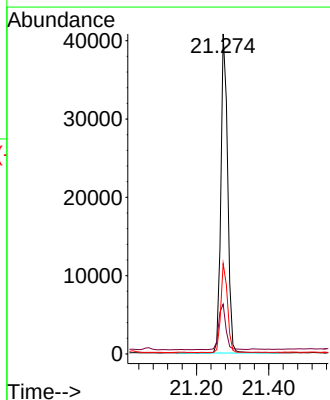
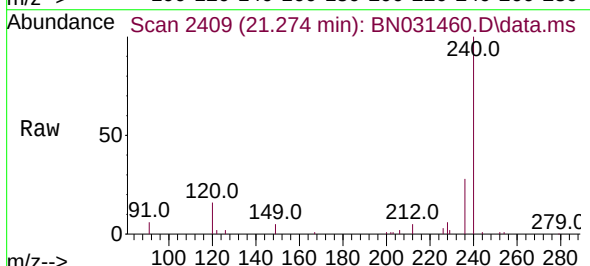
Reviewed By :Yogesh Patel 05/13/2024

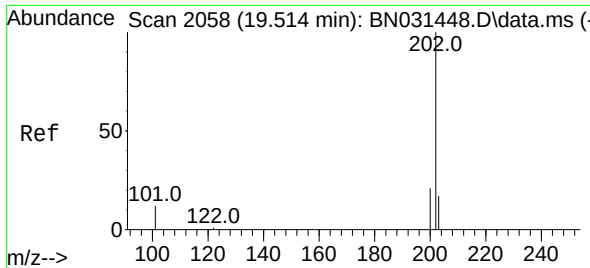
Supervised By :mohammad ahmed 05/13/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.274 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Tgt Ion:240 Resp: 53124
Ion Ratio Lower Upper
240 100
120 15.6 11.4 17.2
236 28.3 22.2 33.4





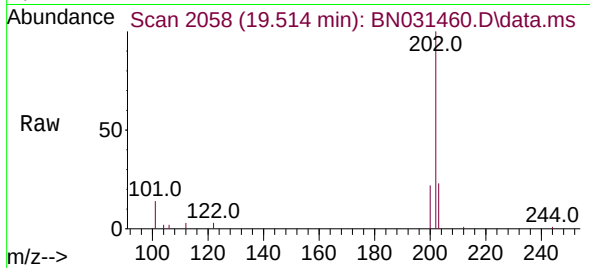
#30
Pyrene
Concen: 0.093 ng m
RT: 19.514 min Scan# 2058
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL



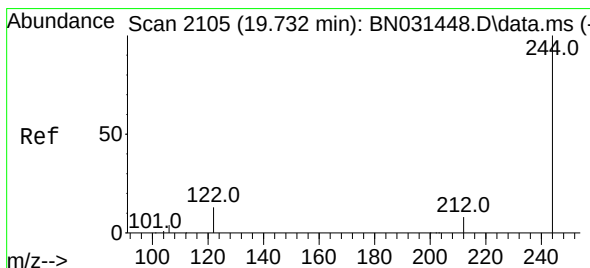
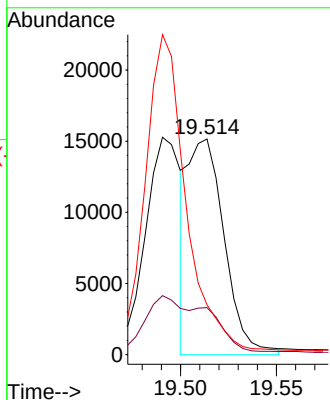
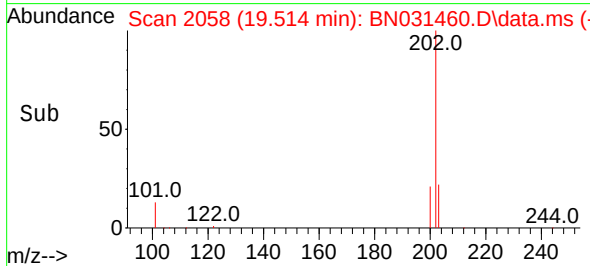
Tgt Ion:202 Resp: 1999
Ion Ratio Lower Upper
202 100
200 45.5 16.6 25.0
203 162.5 14.3 21.5

Manual Integrations

APPROVED

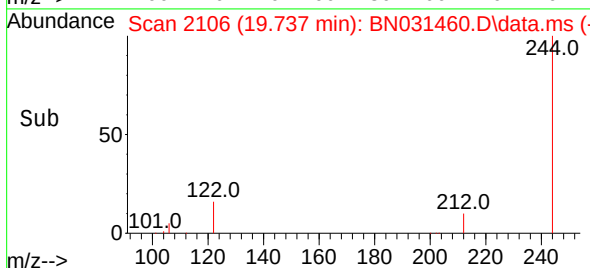
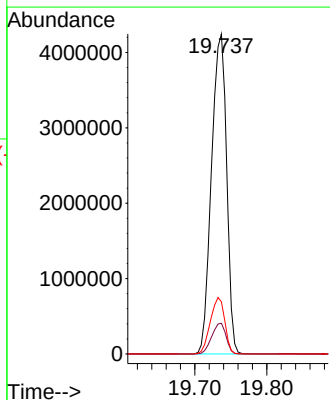
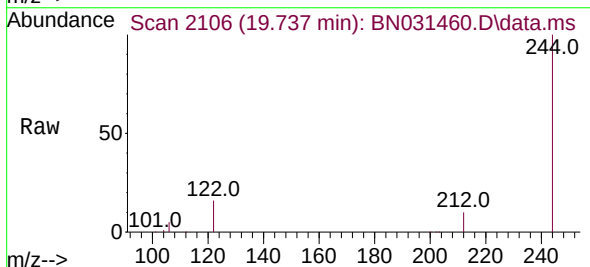
Reviewed By :Yogesh Patel 05/13/2024

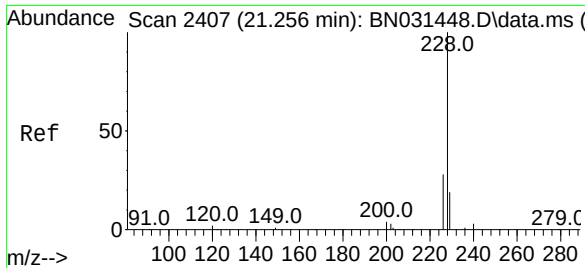
Supervised By :mohammad ahmed 05/13/2024



#31
Terphenyl-d14
Concen: 47.495 ng
RT: 19.737 min Scan# 2106
Delta R.T. 0.005 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

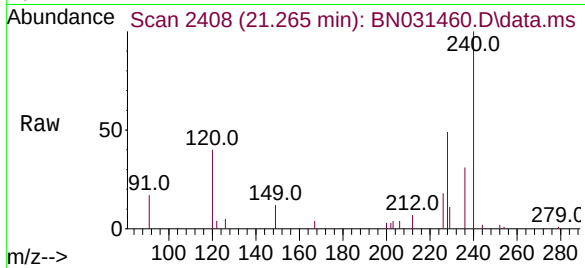
Tgt Ion:244 Resp: 6173393
Ion Ratio Lower Upper
244 100
212 9.6 6.5 9.7
122 16.3 11.4 17.2





#32
Benzo(a)anthracene
Concen: 0.048 ng m
RT: 21.265 min Scan# 2408
Delta R.T. 0.009 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

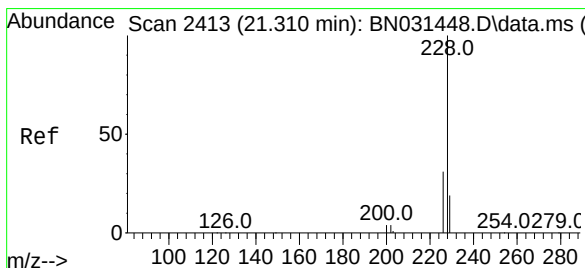
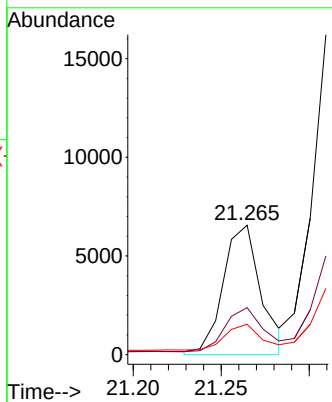
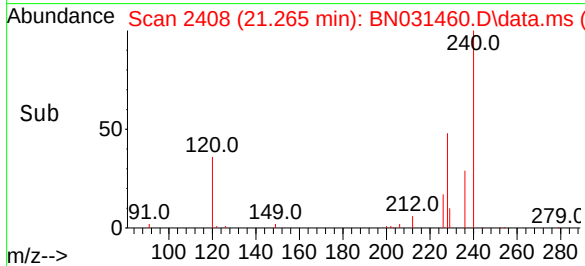
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL



Tgt Ion:228 Resp: 9810
Ion Ratio Lower Upper
228 100
226 36.4 22.4 33.6
229 23.5 15.5 23.3

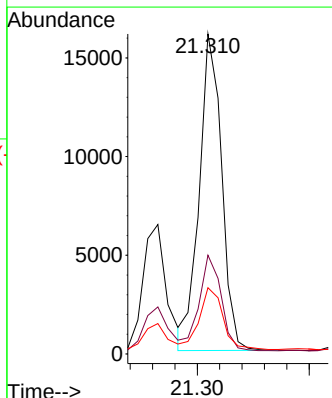
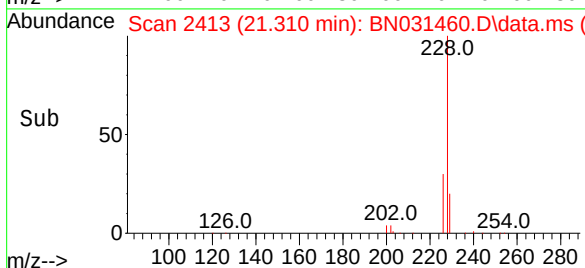
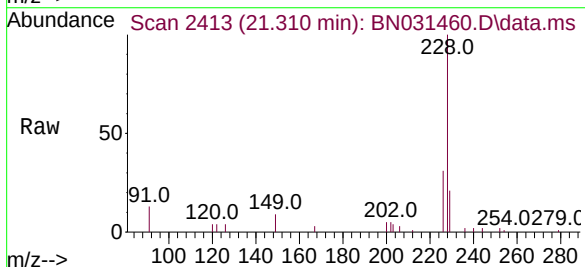
Manual Integrations
APPROVED

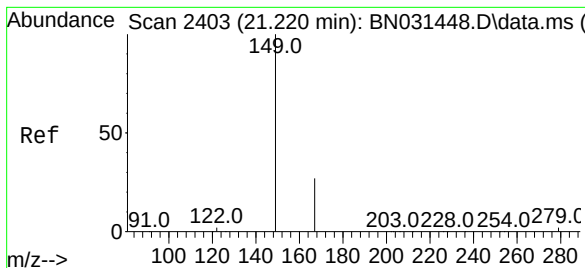
Reviewed By :Yogesh Patel 05/13/2024
Supervised By :mohammad ahmed 05/13/2024



#33
Chrysene
Concen: 0.114 ng
RT: 21.310 min Scan# 2413
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Tgt Ion:228 Resp: 22270
Ion Ratio Lower Upper
228 100
226 30.9 24.5 36.7
229 20.7 15.8 23.8





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.366 ng

RT: 21.220 min Scan# 2403

Delta R.T. -0.000 min

Lab File: BN031460.D

Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

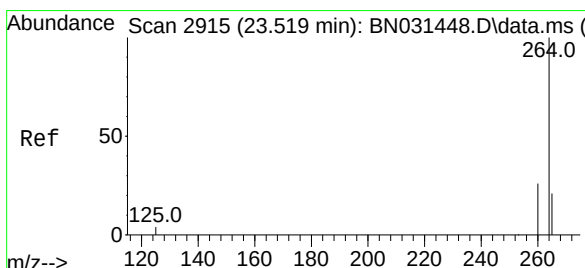
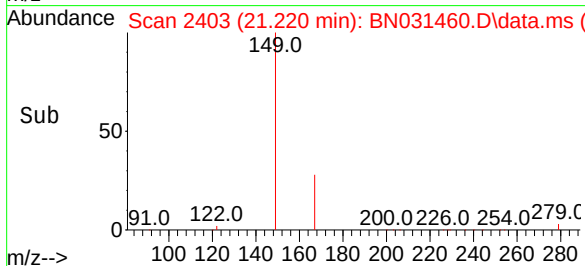
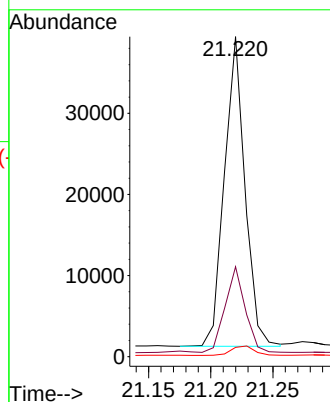
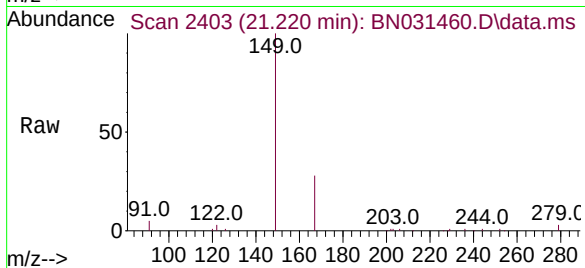
Tgt Ion:	149	Resp:	4394
Ion Ratio	Lower	Upper	
149	100		
167	28.0	22.1	33.1
279	3.4	2.7	4.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/13/2024

Supervised By :mohammad ahmed 05/13/2024



#35

Perylene-d12

Concen: 0.400 ng

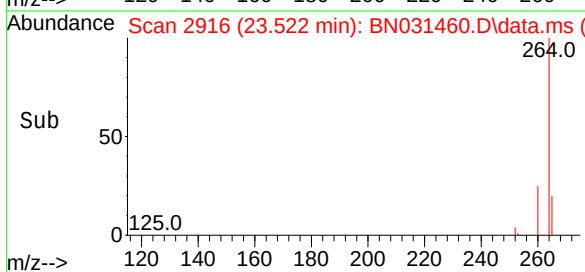
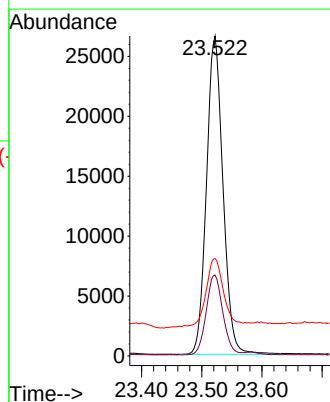
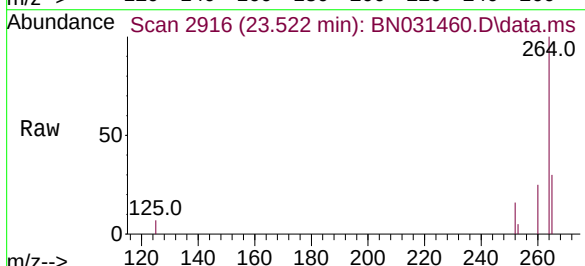
RT: 23.522 min Scan# 2916

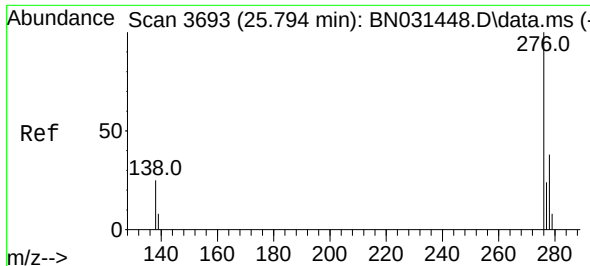
Delta R.T. 0.003 min

Lab File: BN031460.D

Acq: 10 May 2024 11:57

Tgt Ion:	264	Resp:	50574
Ion Ratio	Lower	Upper	
264	100		
260	25.3	20.6	31.0
265	30.5	24.0	36.0





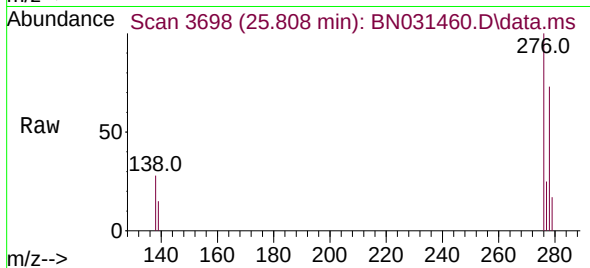
#36
Indeno(1,2,3-cd)pyrene
Concen: 31.751 ng
RT: 25.808 min Scan# 3698
Delta R.T. 0.015 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL



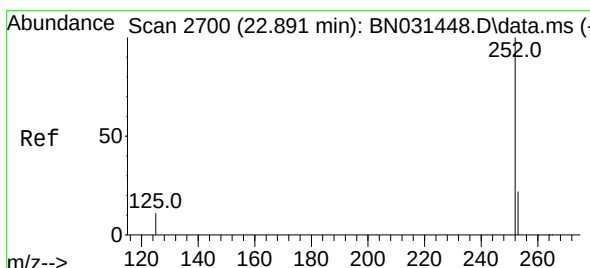
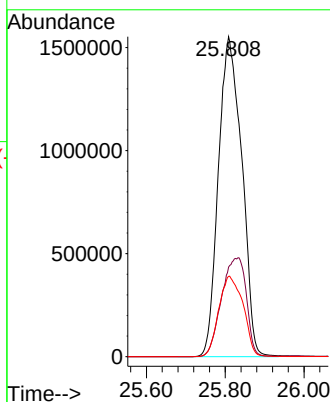
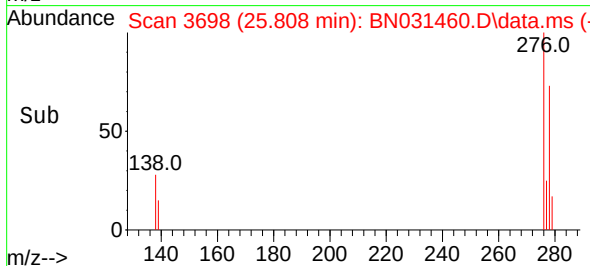
Tgt Ion:276 Resp: 639983
Ion Ratio Lower Upper
276 100
138 0.0 23.0 34.6
277 26.1 19.9 29.9

Manual Integrations

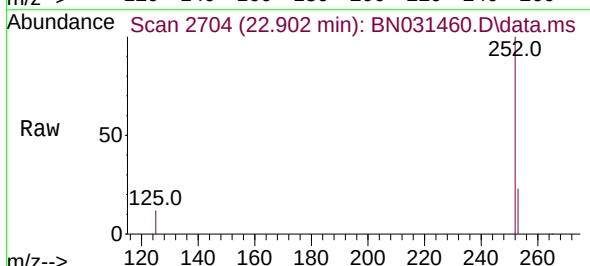
APPROVED

Reviewed By :Yogesh Patel 05/13/2024

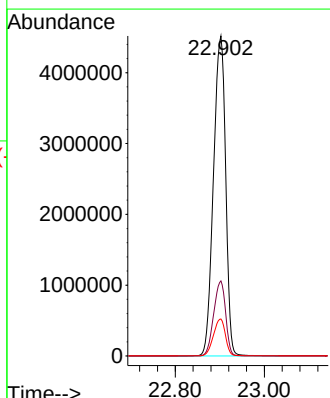
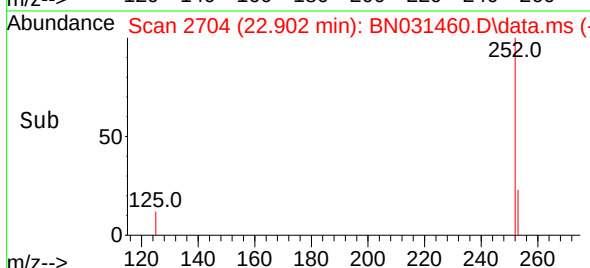
Supervised By :mohammad ahmed 05/13/2024

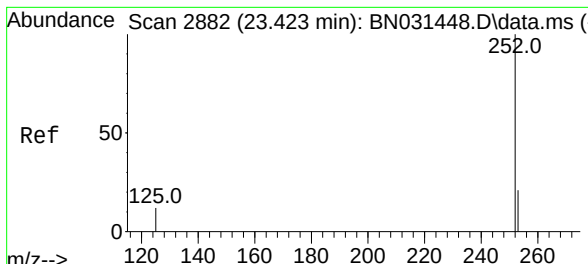


#38
Benzo(k)fluoranthene
Concen: 49.973 ng
RT: 22.902 min Scan# 2704
Delta R.T. 0.012 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57



Tgt Ion:252 Resp: 8587160
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 11.6 11.0 16.6





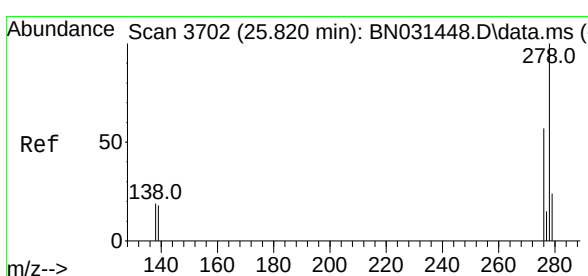
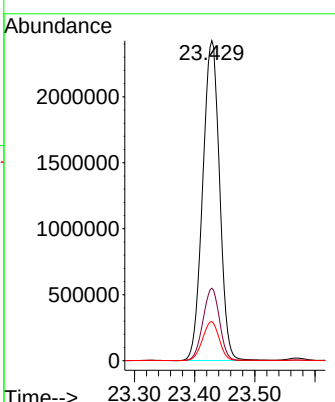
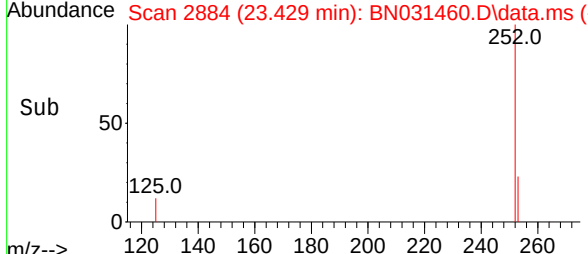
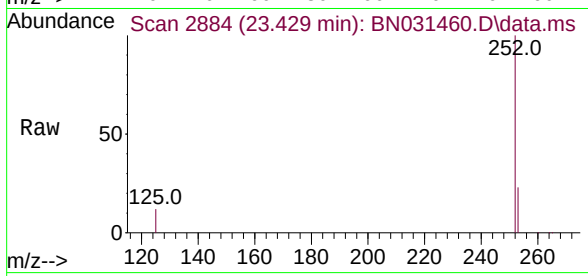
#39
 Benzo(a)pyrene
 Concen: 29.864 ng
 RT: 23.429 min Scan# 2882
 Delta R.T. 0.006 min
 Lab File: BN031460.D
 Acq: 10 May 2024 11:57

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:252 Resp: 4713639

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	12.2	11.9	17.9

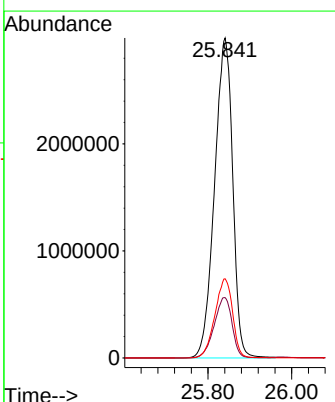
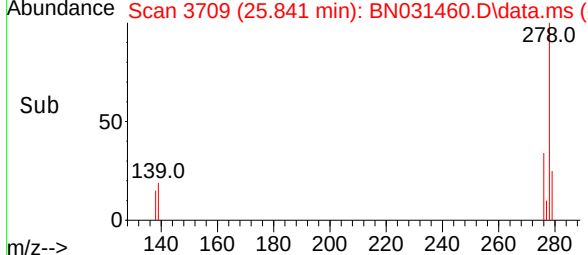
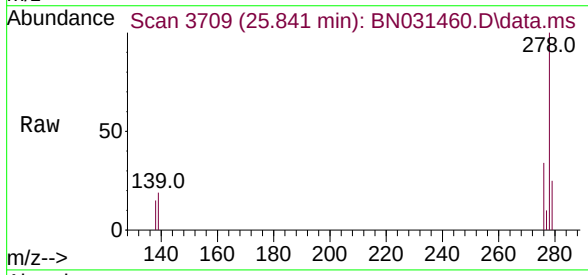
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 05/13/2024
 Supervised By :mohammad ahmed 05/13/2024

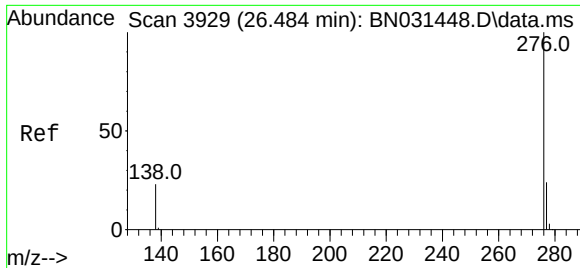


#40
 Dibenzo(a,h)anthracene
 Concen: 56.276 ng
 RT: 25.841 min Scan# 3709
 Delta R.T. 0.020 min
 Lab File: BN031460.D
 Acq: 10 May 2024 11:57

Tgt Ion:278 Resp: 8990259

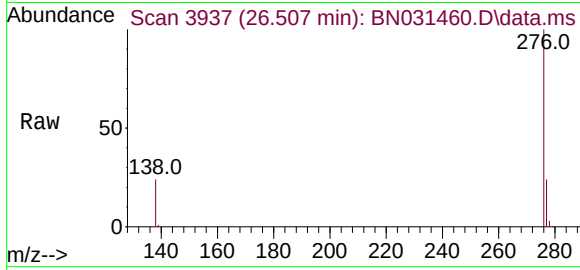
Ion	Ratio	Lower	Upper
278	100		
139	18.9	15.9	23.9
279	24.7	19.8	29.8





#41
Benzo(g,h,i)perylene
Concen: 36.968 ng
RT: 26.507 min Scan# 30
Delta R.T. 0.023 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL



Tgt Ion:276 Resp: 6352440
Ion Ratio Lower Upper
276 100
277 24.3 19.4 29.0
138 24.2 20.4 30.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/13/2024
Supervised By :mohammad ahmed 05/13/2024

