

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
 Data File : BN029118.D
 Acq On : 08 Dec 2023 08:42
 Operator : MA/JU
 Sample : 05611-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PE-6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/08/2023

Quant Time: Dec 08 09:50:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 00:49:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	1248	0.400	ng	0.00
7) Naphthalene-d8	10.551	136	2701	0.400	ng	-0.01
13) Acenaphthene-d10	14.396	164	1700	0.400	ng	0.00
19) Phenanthrene-d10	17.146	188	3662	0.400	ng	0.00
29) Chrysene-d12	21.347	240	2241	0.400	ng	# 0.00
35) Perylene-d12	23.675	264	2061	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	614	0.217	ng	0.00
5) Phenol-d6	6.980	99	712	0.211	ng	0.00
8) Nitrobenzene-d5	8.939	82	662	0.203	ng	0.00
11) 2-Methylnaphthalene-d10	12.140	152	1006	0.177	ng	0.00
14) 2,4,6-Tribromophenol	15.893	330	293	0.156	ng	0.00
15) 2-Fluorobiphenyl	13.028	172	2128	0.242	ng	0.00
27) Fluoranthene-d10	19.185	212	1996	0.173	ng	0.00
31) Terphenyl-d14	19.794	244	1457	0.257	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.605	128	703	0.083	ng	# 82
12) 2-Methylnaphthalene	12.216	142	370	0.054	ng	90
16) Acenaphthylene	14.118	152	702	0.075	ng	# 94
17) Acenaphthene	14.460	154	1686	0.287	ng	99
18) Fluorene	15.444	166	2040	0.218	ng	99
25) Phenanthrene	17.184	178	29086	2.379	ng	99
26) Anthracene	17.283	178	6976	0.590	ng	96
28) Fluoranthene	19.213	202	55191	3.284	ng	# 99
30) Pyrene	19.576	202	46390	3.339	ng	# 94
32) Benzo(a)anthracene	21.329	228	21725	1.911	ng	99
33) Chrysene	21.383	228	16576	1.482	ng	98
34) Bis(2-ethylhexyl)phtha...	21.275	149	1054	0.150	ng	# 95
36) Indeno(1,2,3-cd)pyrene	26.061	276	9134	0.869	ng	99
37) Benzo(b)fluoranthene	22.971	252	21458	1.939	ng	95
38) Benzo(k)fluoranthene	23.012	252	8192m	0.790	ng	
39) Benzo(a)pyrene	23.570	252	14968	1.635	ng	93
40) Dibenzo(a,h)anthracene	26.079	278	2303	0.284	ng	# 70
41) Benzo(g,h,i)perylene	26.792	276	8345	0.941	ng	# 96

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

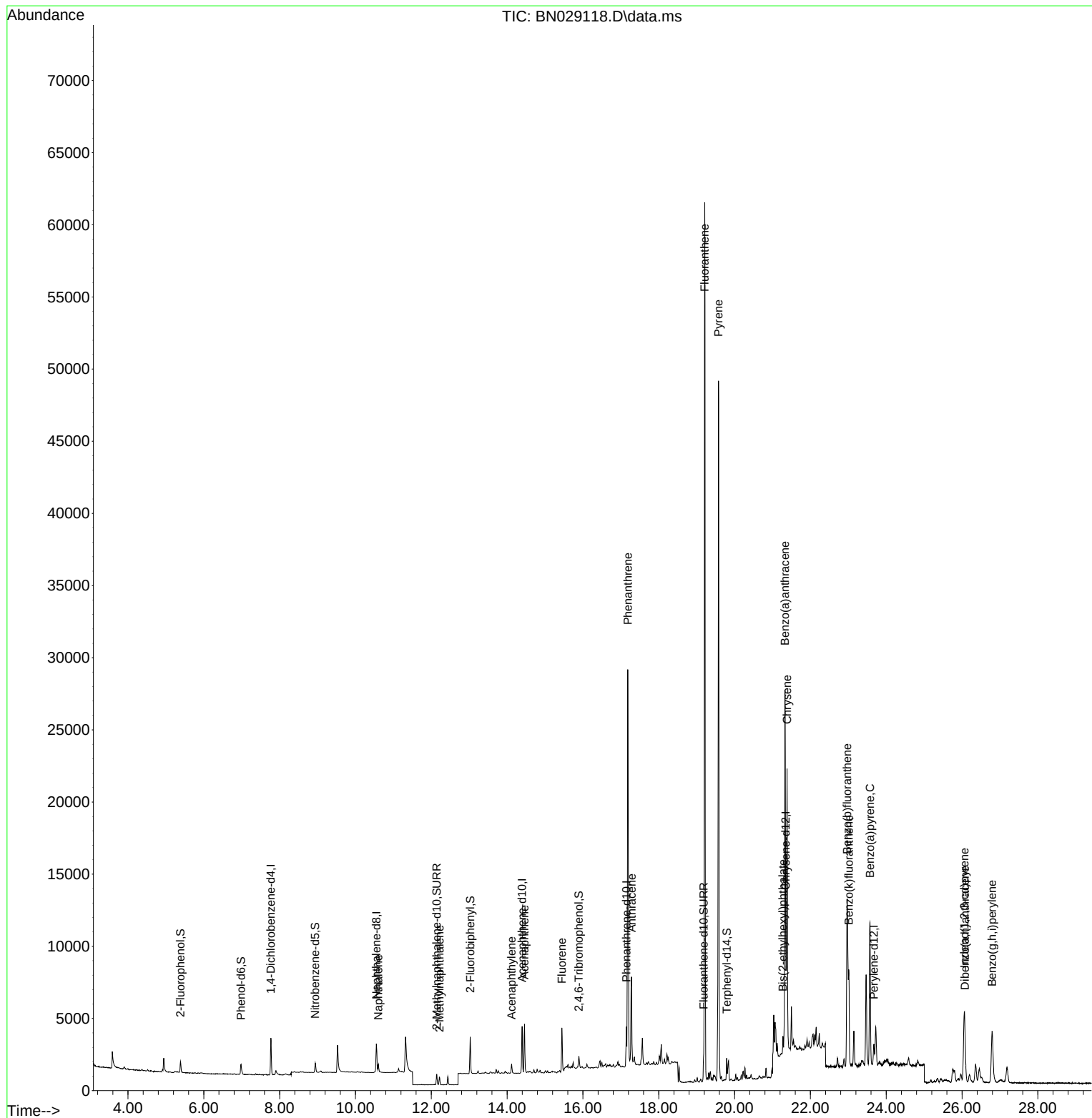
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
Data File : BN029118.D
Acq On : 08 Dec 2023 08:42
Operator : MA/JU
Sample : 05611-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

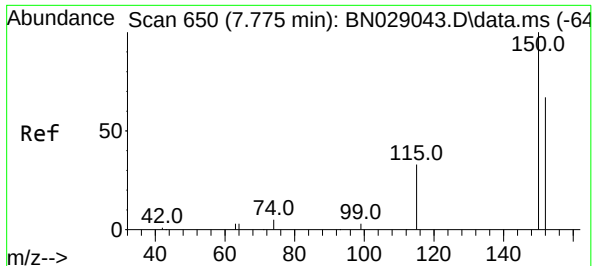
Instrument :
BNA_N
ClientSampleId :
PE-6

Quant Time: Dec 08 09:50:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 00:49:47 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

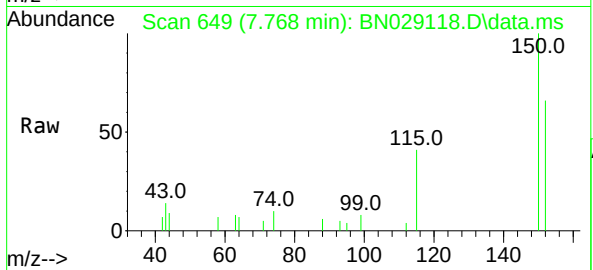
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 649
Delta R.T. -0.007 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42

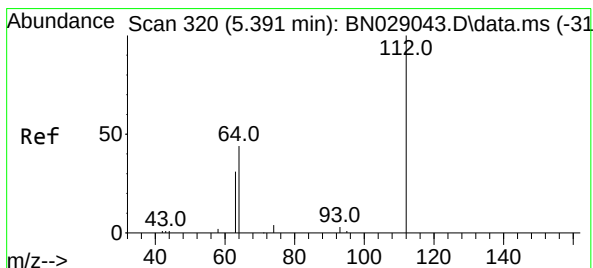
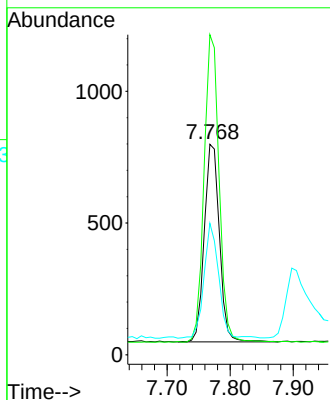
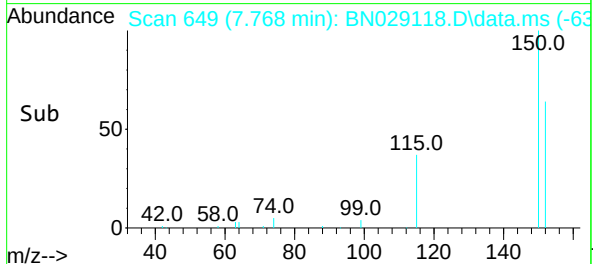
Instrument :
BNA_N
ClientSampleId :
PE-6



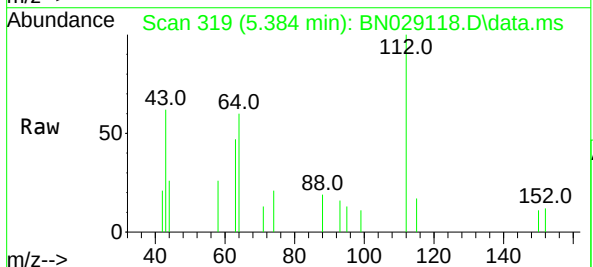
Tgt Ion:152 Resp: 1248
Ion Ratio Lower Upper
152 100
150 152.1 116.2 174.4
115 62.5 45.1 67.7

Manual Integrations
APPROVED

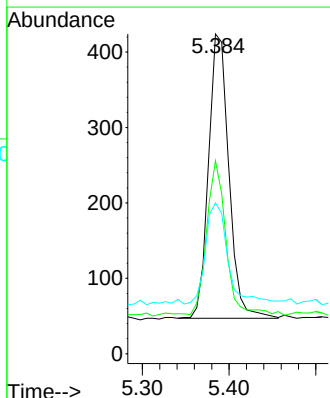
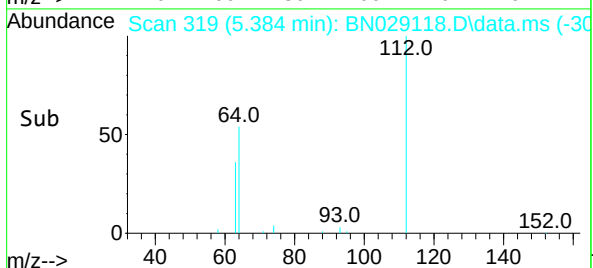
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

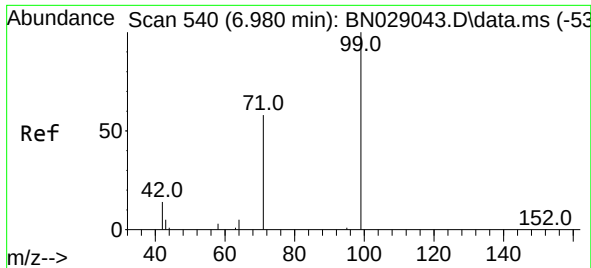


#4
2-Fluorophenol
Concen: 0.217 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.007 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42



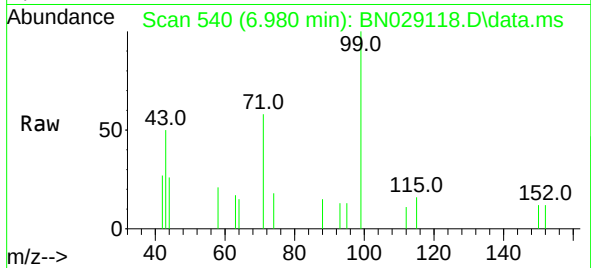
Tgt Ion:112 Resp: 614
Ion Ratio Lower Upper
112 100
64 51.8 37.0 55.6
63 39.6 29.0 43.6





#5
Phenol-d6
Concen: 0.211 ng
RT: 6.980 min Scan# 540
Delta R.T. 0.000 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42

Instrument :
BNA_N
ClientSampleId :
PE-6

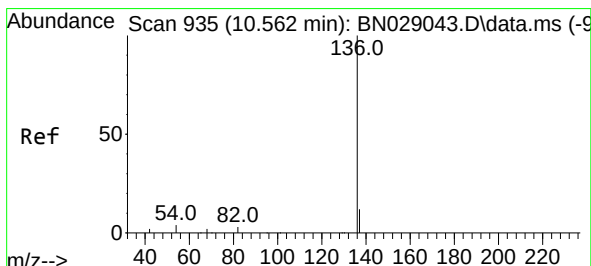
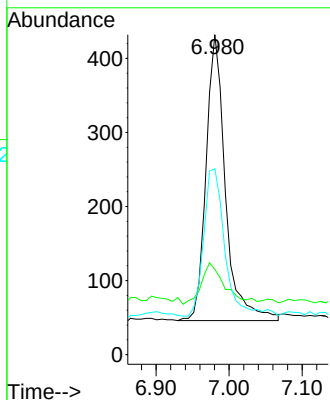
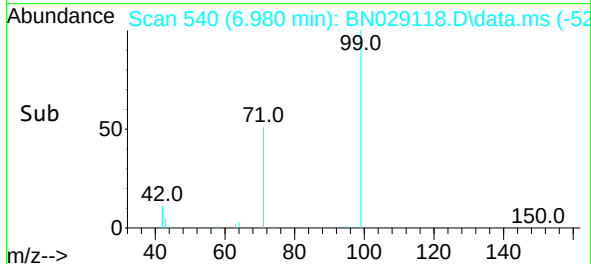


Tgt Ion: 99 Resp: 71.2

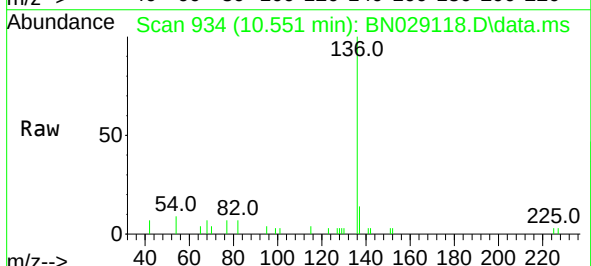
Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.4	20.2
71	56.5	47.8	71.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

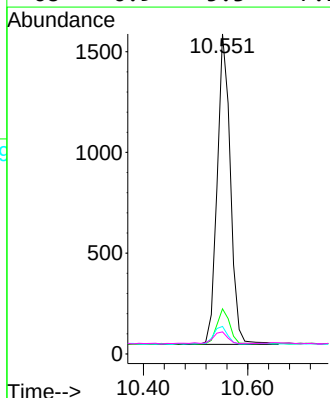
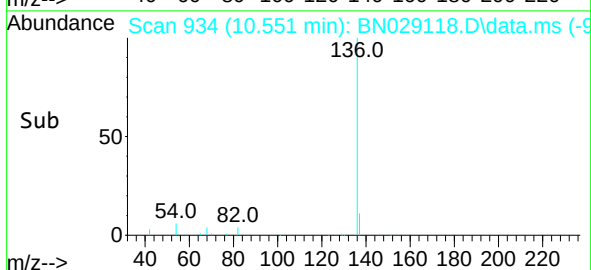


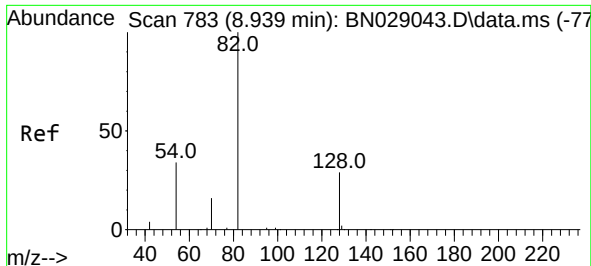
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.551 min Scan# 934
Delta R.T. -0.011 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42



Tgt Ion:136 Resp: 2701

Ion	Ratio	Lower	Upper
136	100		
137	14.1	11.9	17.9
54	8.6	6.4	9.6
68	6.9	5.3	7.9





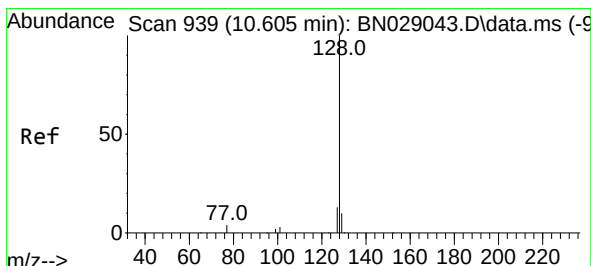
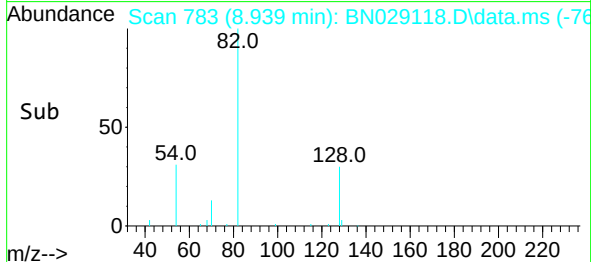
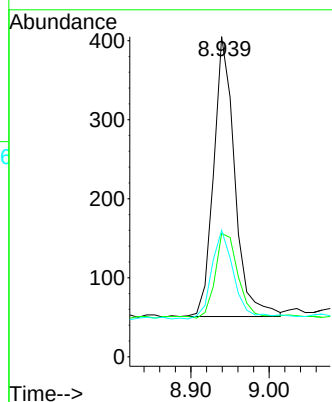
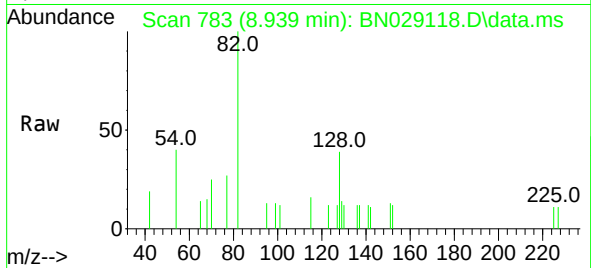
#8
Nitrobenzene-d5
Concen: 0.203 ng
RT: 8.939 min Scan# 783
Delta R.T. 0.000 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42

Instrument :
BNA_N
ClientSampleId :
PE-6

Tgt Ion: 82 Resp: 662
Ion Ratio Lower Upper
82 100
128 38.5 28.2 42.4
54 39.5 32.1 48.1

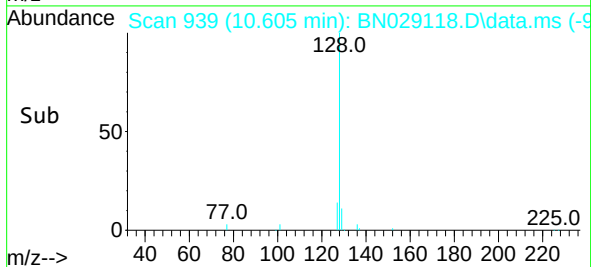
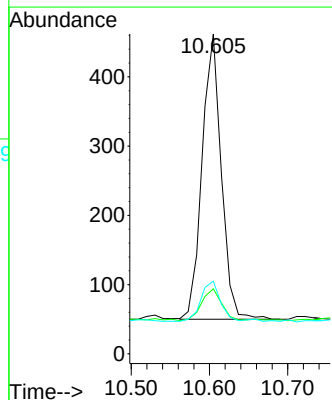
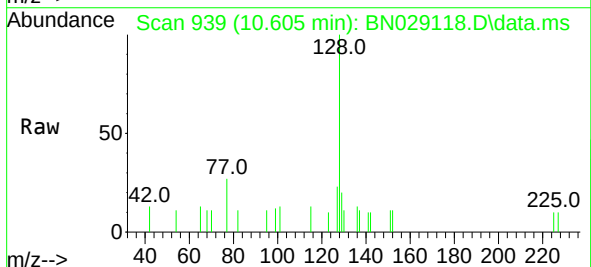
Manual Integrations
APPROVED

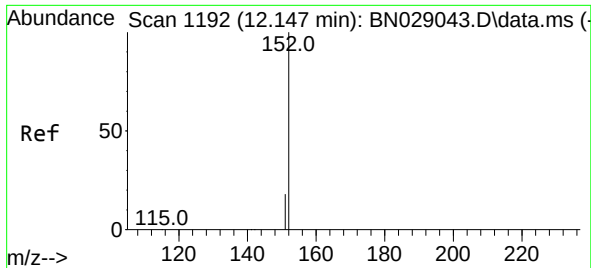
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#9
Naphthalene
Concen: 0.083 ng
RT: 10.605 min Scan# 939
Delta R.T. 0.000 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42

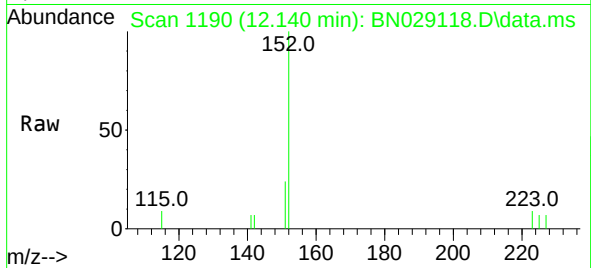
Tgt Ion:128 Resp: 703
Ion Ratio Lower Upper
128 100
129 20.3 10.5 15.7#
127 22.7 12.5 18.7#





#11
2-Methylnaphthalene-d10
Concen: 0.177 ng
RT: 12.140 min Scan# 1192
Delta R.T. -0.008 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42

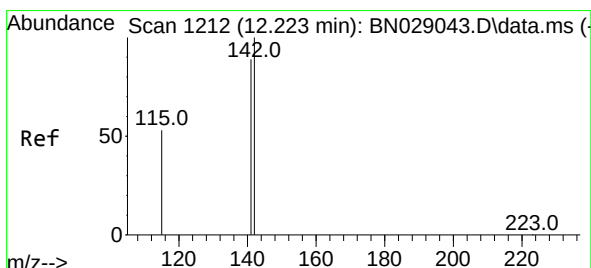
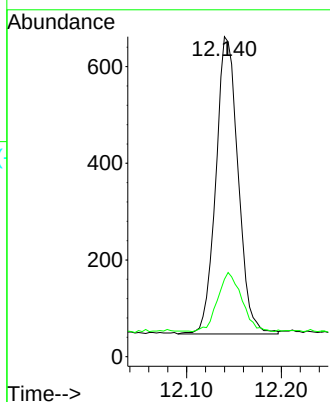
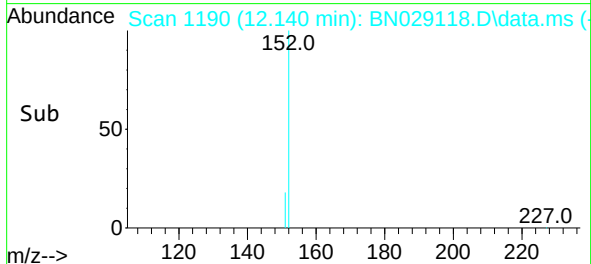
Instrument :
BNA_N
ClientSampleId :
PE-6



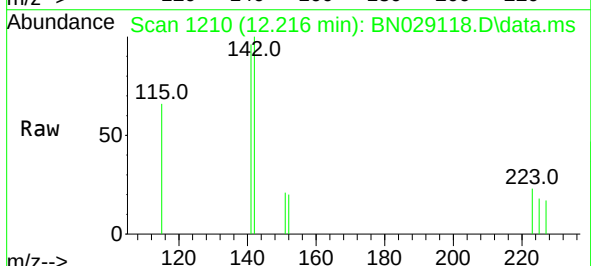
Tgt Ion:152 Resp: 1000
Ion Ratio Lower Upper
152 100
151 21.4 17.4 26.0

Manual Integrations
APPROVED

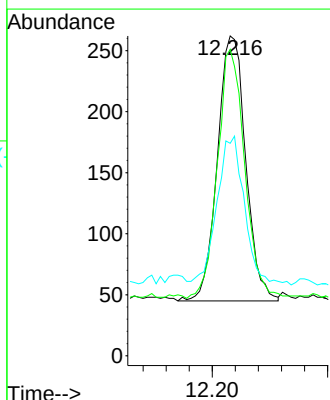
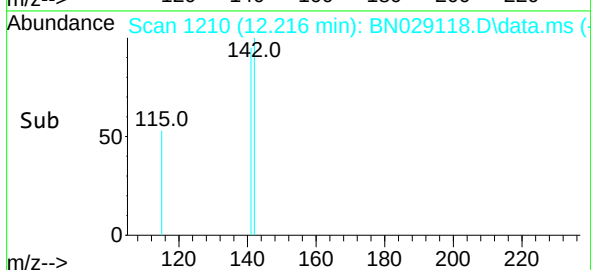
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

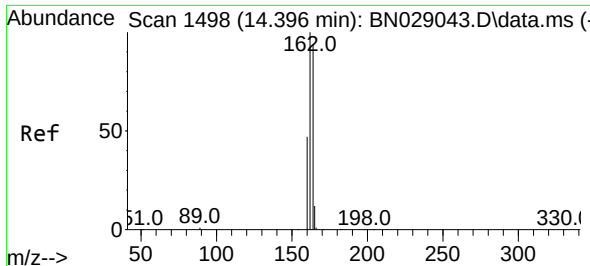


#12
2-Methylnaphthalene
Concen: 0.054 ng
RT: 12.216 min Scan# 1210
Delta R.T. -0.008 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42



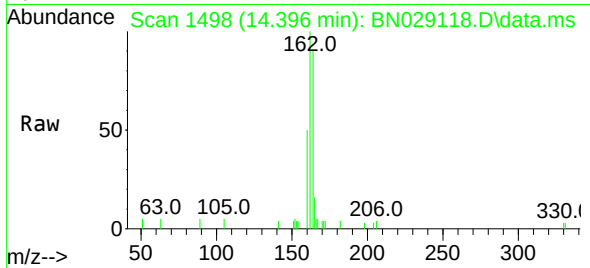
Tgt Ion:142 Resp: 370
Ion Ratio Lower Upper
142 100
141 95.8 71.1 106.7
115 66.4 44.6 66.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.396 min Scan# 1498
Delta R.T. 0.000 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42

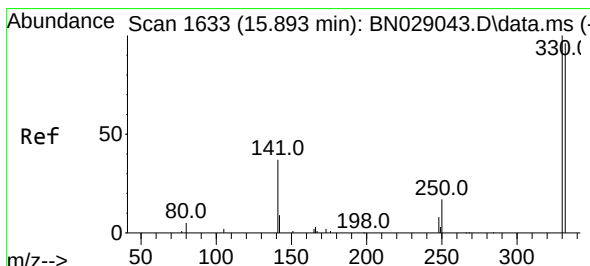
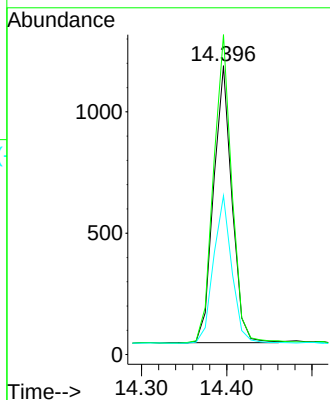
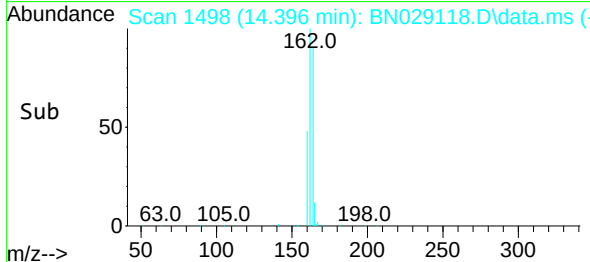
Instrument :
BNA_N
ClientSampleId :
PE-6



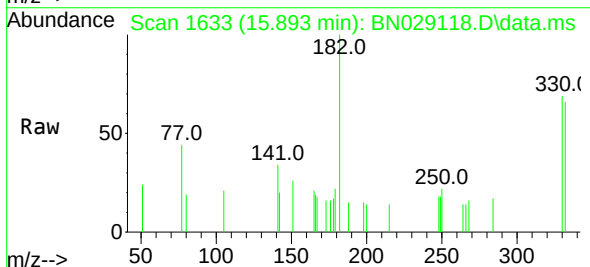
Tgt Ion:164 Resp: 1700
Ion Ratio Lower Upper
164 100
162 110.8 85.0 127.6
160 55.0 41.3 61.9

Manual Integrations
APPROVED

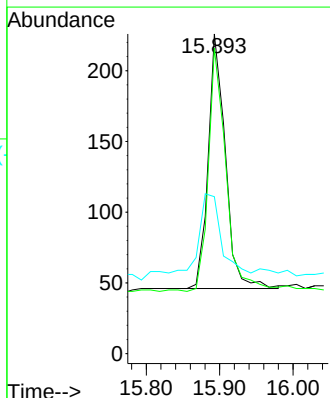
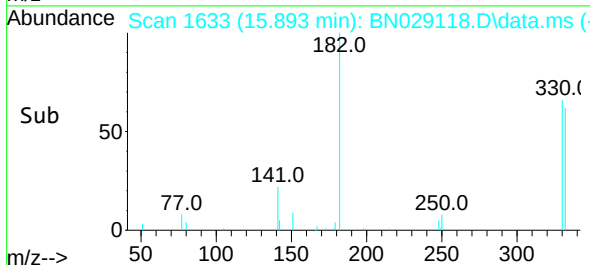
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

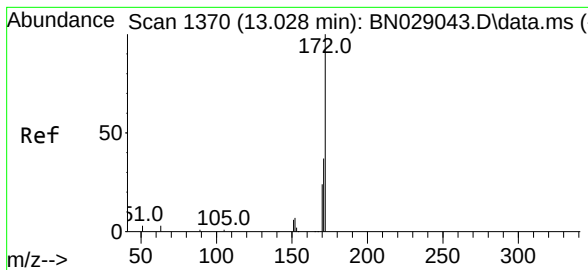


#14
2,4,6-Tribromophenol
Concen: 0.156 ng
RT: 15.893 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42



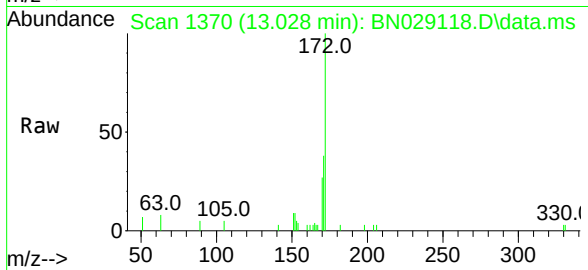
Tgt Ion:330 Resp: 293
Ion Ratio Lower Upper
330 100
332 98.3 78.8 118.2
141 37.5 28.7 43.1





#15
2-Fluorobiphenyl
Concen: 0.242 ng
RT: 13.028 min Scan# 1370
Delta R.T. 0.000 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42

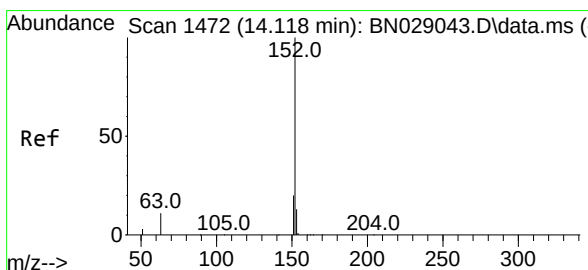
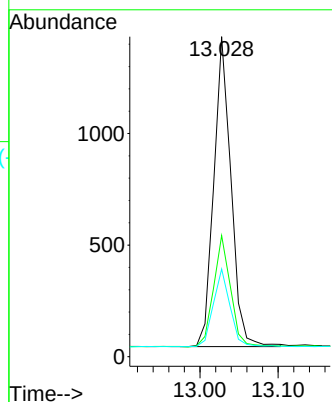
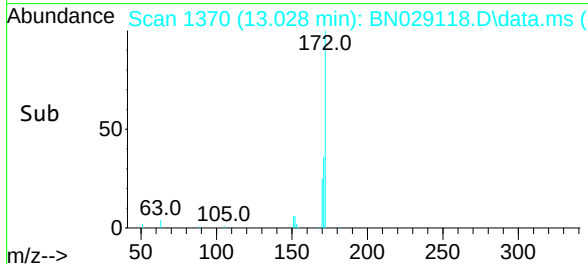
Instrument :
BNA_N
ClientSampleId :
PE-6



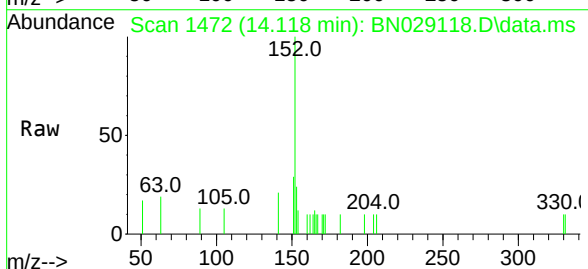
Tgt Ion:172 Resp: 2128
Ion Ratio Lower Upper
172 100
171 37.9 30.1 45.1
170 27.4 20.3 30.5

Manual Integrations
APPROVED

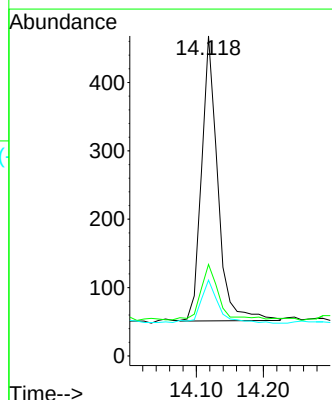
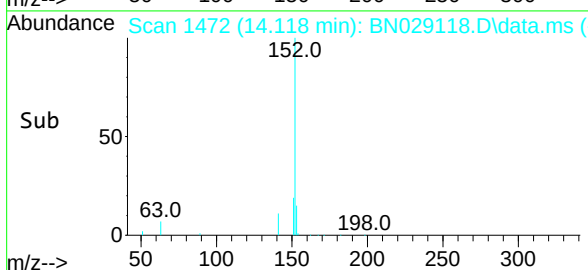
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

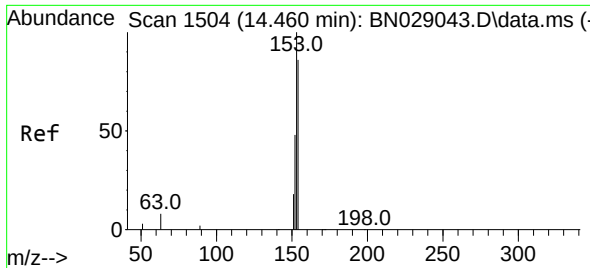


#16
Acenaphthylene
Concen: 0.075 ng
RT: 14.118 min Scan# 1472
Delta R.T. 0.000 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42



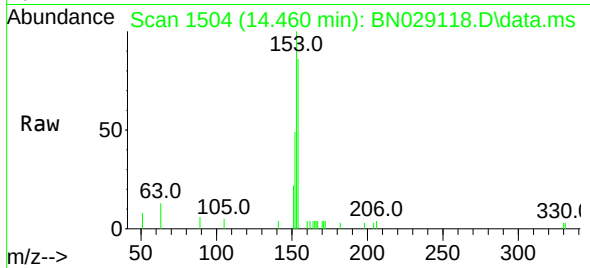
Tgt Ion:152 Resp: 702
Ion Ratio Lower Upper
152 100
151 21.1 15.8 23.6
153 16.7 10.3 15.5





#17
Acenaphthene
Concen: 0.287 ng
RT: 14.460 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42

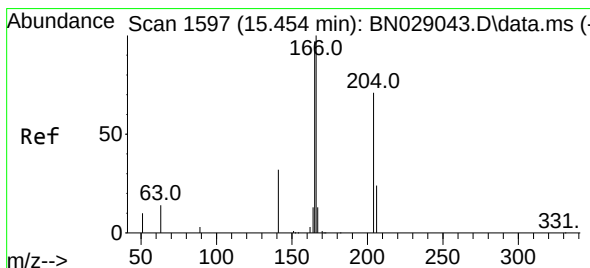
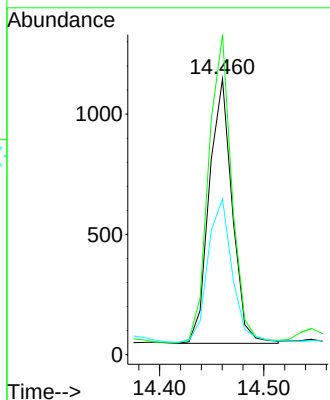
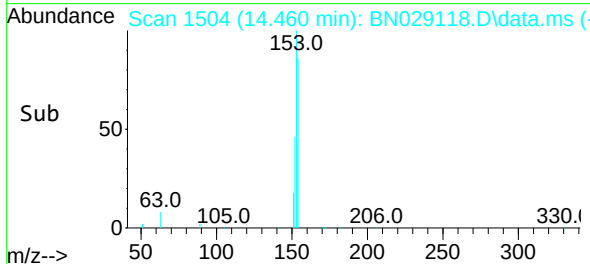
Instrument :
BNA_N
ClientSampleId :
PE-6



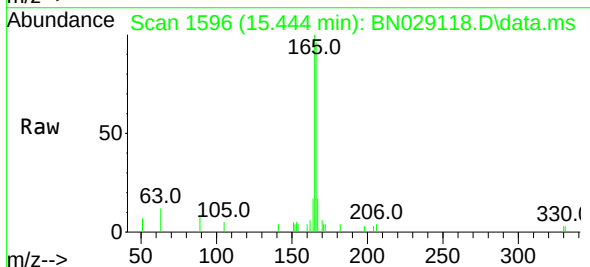
Tgt Ion:154 Resp: 1680
Ion Ratio Lower Upper
154 100
153 117.2 93.0 139.6
152 57.2 44.2 66.4

Manual Integrations
APPROVED

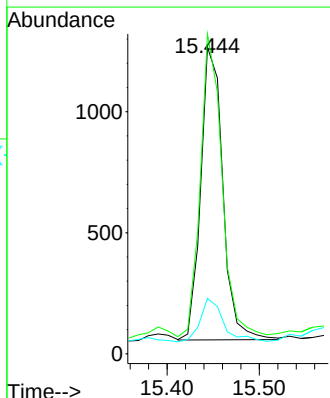
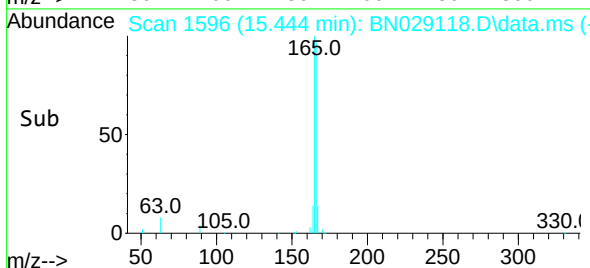
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

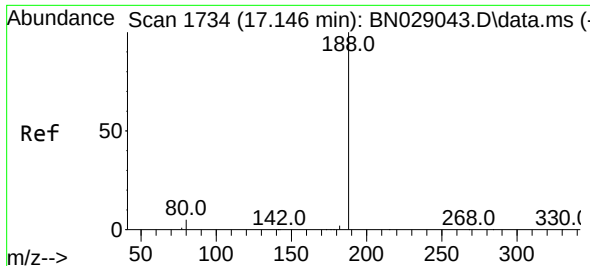


#18
Fluorene
Concen: 0.218 ng
RT: 15.444 min Scan# 1596
Delta R.T. -0.011 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42



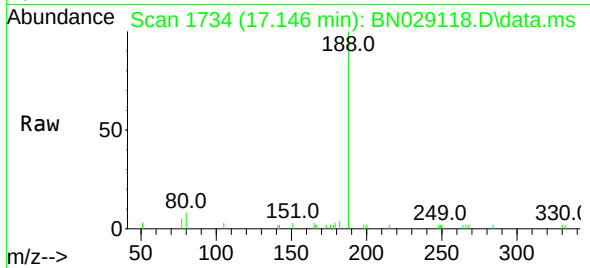
Tgt Ion:166 Resp: 2040
Ion Ratio Lower Upper
166 100
165 99.4 80.2 120.4
167 15.3 11.0 16.4





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.146 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42

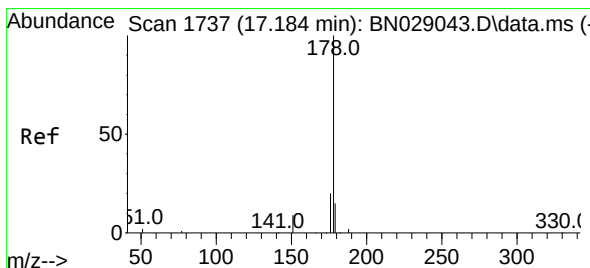
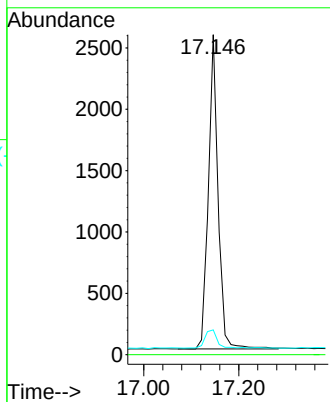
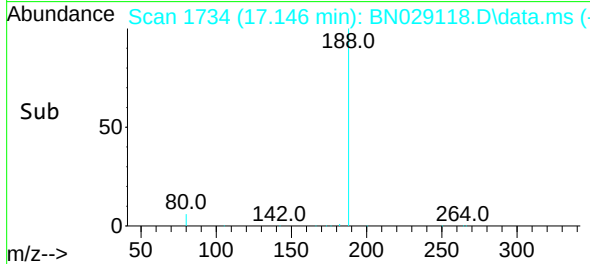
Instrument :
BNA_N
ClientSampleId :
PE-6



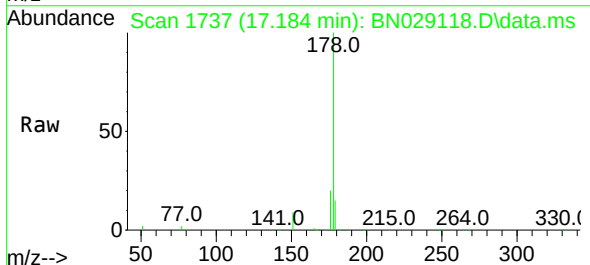
Tgt Ion:188 Resp: 3662
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.8 5.4 8.0

Manual Integrations
APPROVED

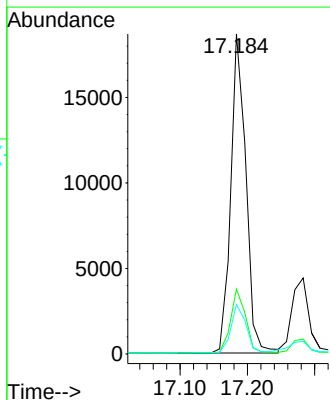
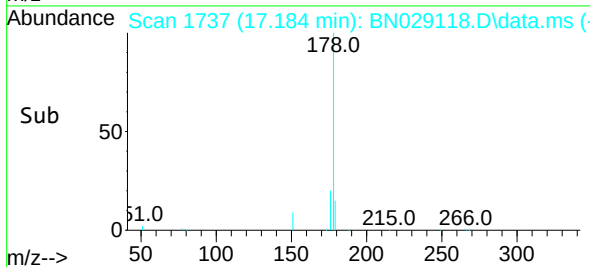
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

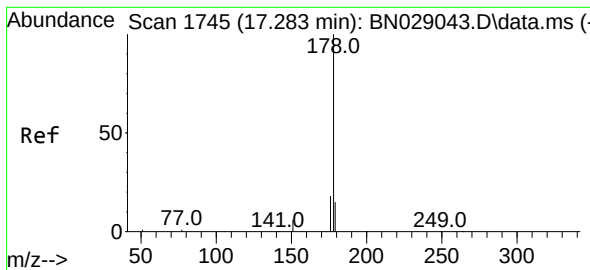


#25
Phenanthrene
Concen: 2.379 ng
RT: 17.184 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42



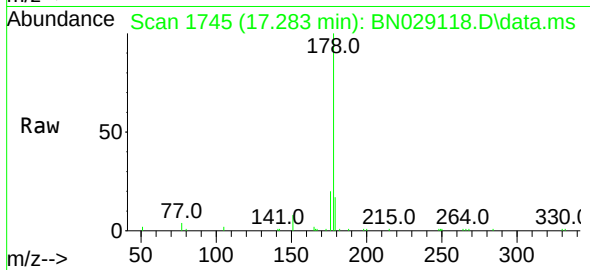
Tgt Ion:178 Resp: 29086
Ion Ratio Lower Upper
178 100
176 20.1 15.6 23.4
179 15.2 12.6 18.8





#26
 Anthracene
 Concen: 0.590 ng
 RT: 17.283 min Scan# 1745
 Delta R.T. 0.000 min
 Lab File: BN029118.D
 Acq: 08 Dec 2023 08:42

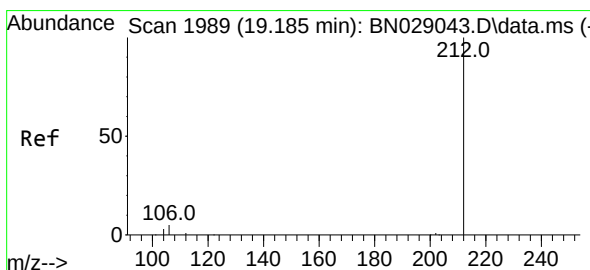
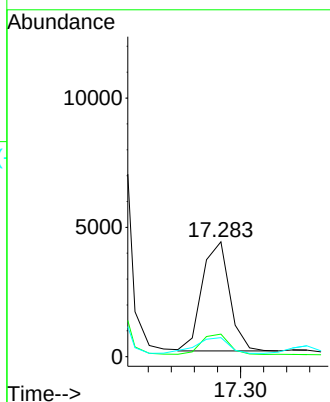
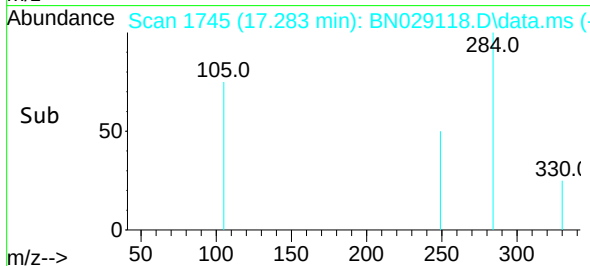
Instrument :
 BNA_N
 ClientSampleId :
 PE-6



Tgt Ion:178 Resp: 6970
 Ion Ratio Lower Upper
 178 100
 176 20.9 15.0 22.4
 179 17.3 12.6 19.0

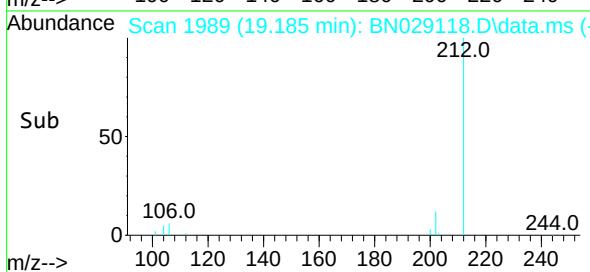
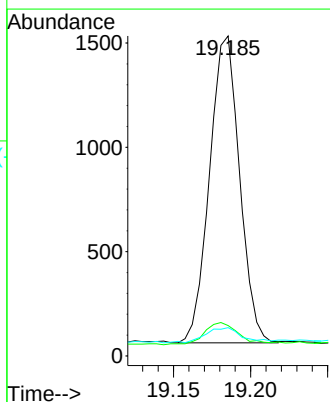
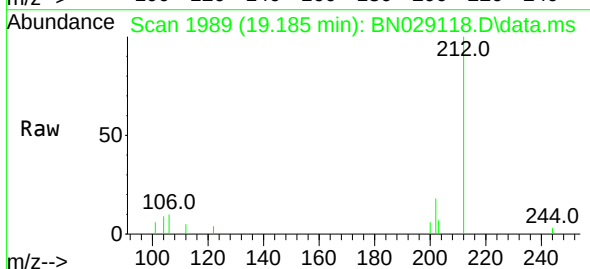
Manual Integrations
 APPROVED

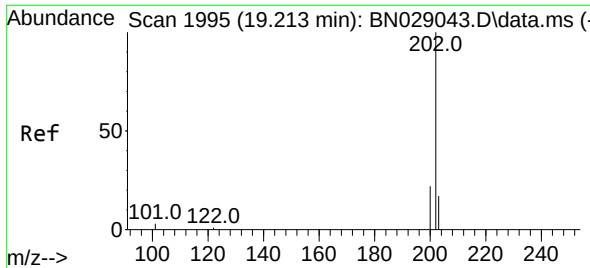
Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/08/2023



#27
 Fluoranthene-d10
 Concen: 0.173 ng
 RT: 19.185 min Scan# 1989
 Delta R.T. 0.000 min
 Lab File: BN029118.D
 Acq: 08 Dec 2023 08:42

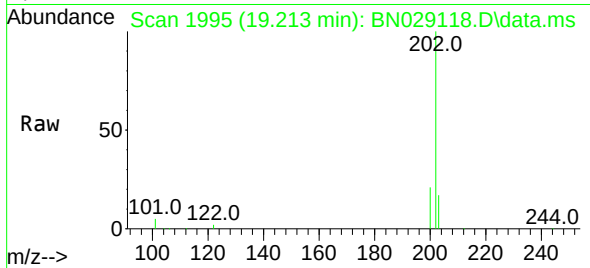
Tgt Ion:212 Resp: 1996
 Ion Ratio Lower Upper
 212 100
 106 8.5 3.9 5.9#
 104 6.0 2.6 3.8#





#28
Fluoranthene
Concen: 3.284 ng
RT: 19.213 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42

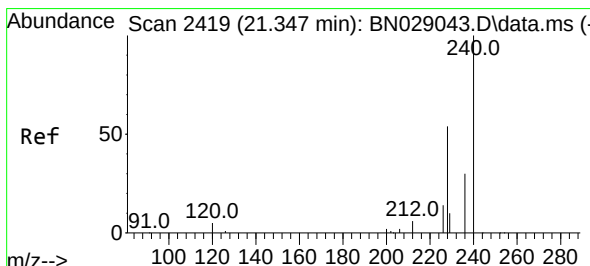
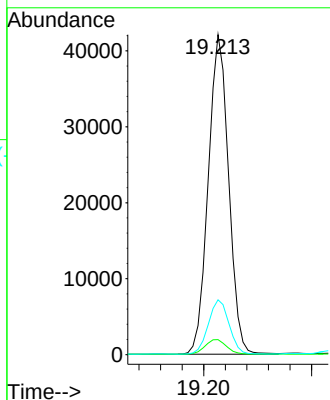
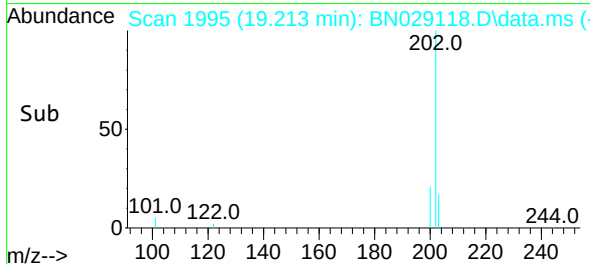
Instrument :
BNA_N
ClientSampleId :
PE-6



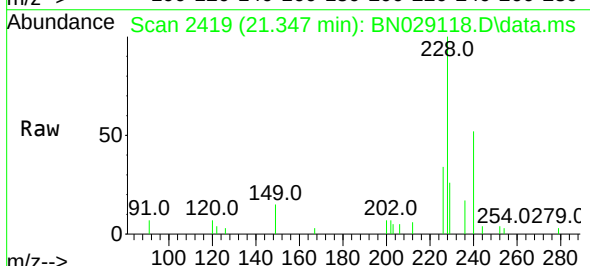
Tgt Ion:202 Resp: 5519
Ion Ratio Lower Upper
202 100
101 4.9 3.0 4.6
203 17.2 13.8 20.6

Manual Integrations
APPROVED

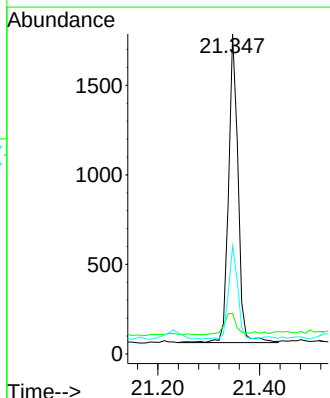
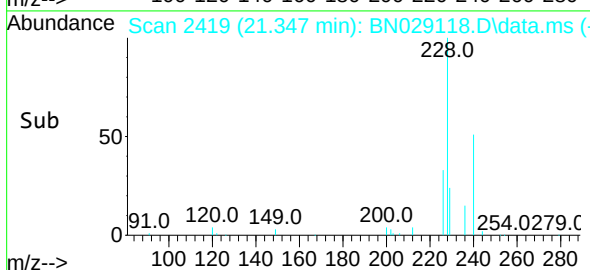
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

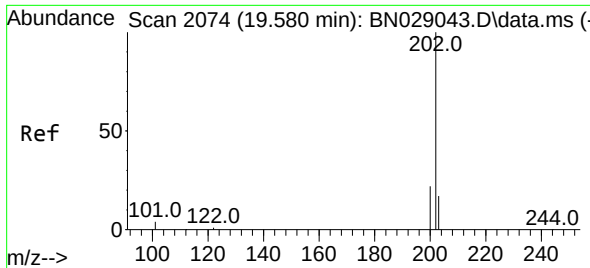


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.347 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42



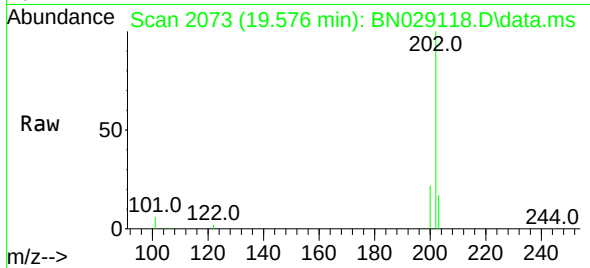
Tgt Ion:240 Resp: 2241
Ion Ratio Lower Upper
240 100
120 12.7 6.7 10.1
236 33.7 25.7 38.5





#30
Pyrene
Concen: 3.339 ng
RT: 19.576 min Scan# 2074
Delta R.T. -0.005 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42

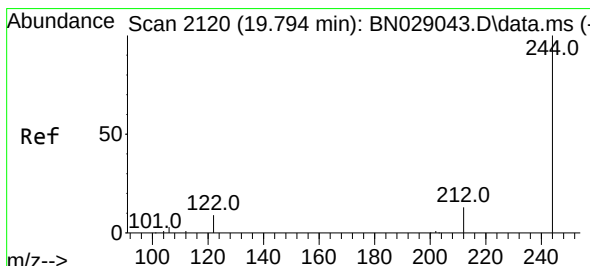
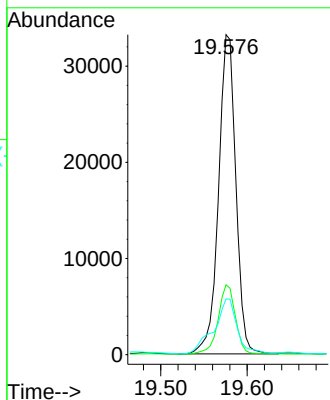
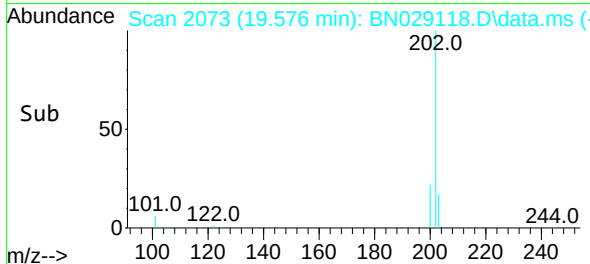
Instrument :
BNA_N
ClientSampleId :
PE-6



Tgt Ion:202 Resp: 46390
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.6
203 23.0 14.2 21.4

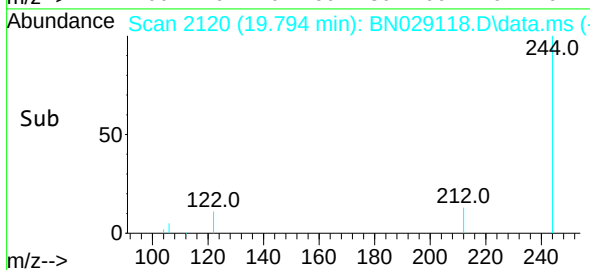
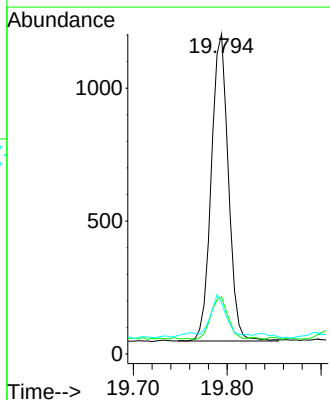
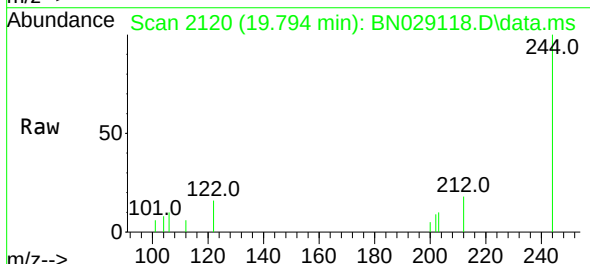
Manual Integrations
APPROVED

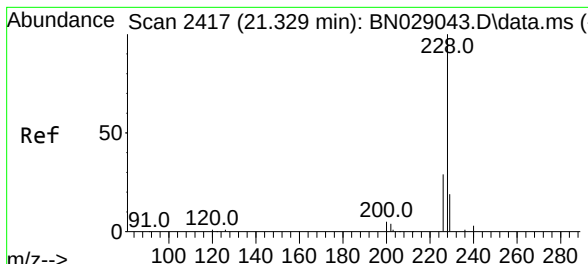
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#31
Terphenyl-d14
Concen: 0.257 ng
RT: 19.794 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42

Tgt Ion:244 Resp: 1457
Ion Ratio Lower Upper
244 100
212 17.9 11.6 17.4#
122 16.1 8.2 12.4#



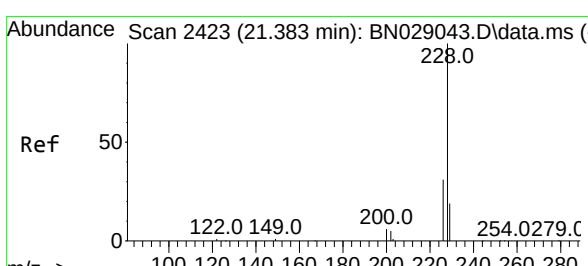
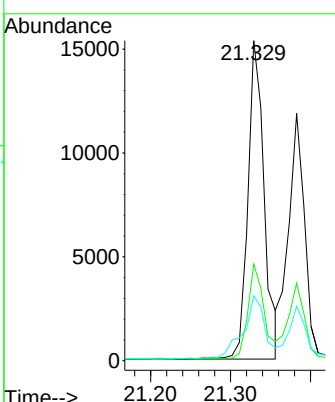
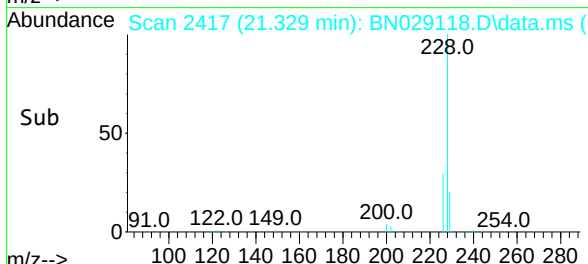
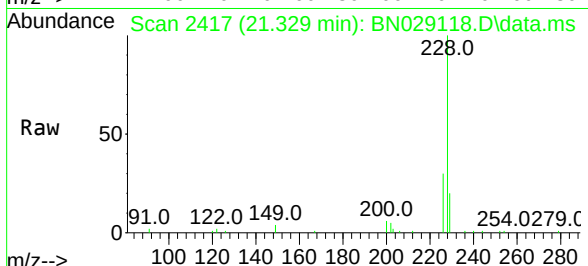


#32
 Benzo(a)anthracene
 Concen: 1.911 ng
 RT: 21.329 min Scan# 2417
 Delta R.T. 0.000 min
 Lab File: BN029118.D
 Acq: 08 Dec 2023 08:42

Instrument : BNA_N
 ClientSampleId : PE-6

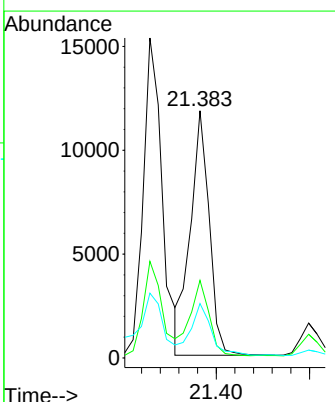
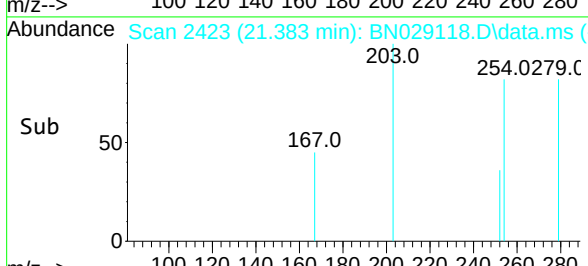
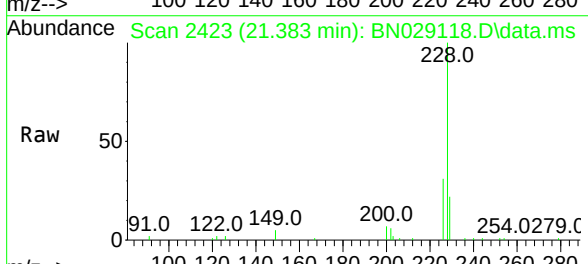
Tgt Ion:228	Resp:	2172
Ion Ratio	Lower	Upper
228	100	
226	30.2	23.8 35.6
229	20.3	16.0 24.0

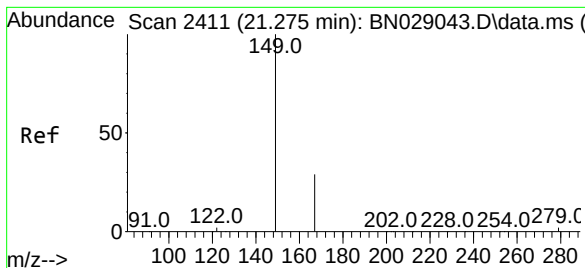
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/08/2023



#33
 Chrysene
 Concen: 1.482 ng
 RT: 21.383 min Scan# 2423
 Delta R.T. 0.000 min
 Lab File: BN029118.D
 Acq: 08 Dec 2023 08:42

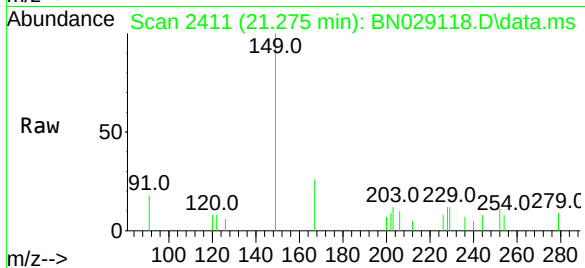
Tgt Ion:228	Resp:	16576
Ion Ratio	Lower	Upper
228	100	
226	31.4	25.4 38.0
229	22.0	16.0 24.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.150 ng
RT: 21.275 min Scan# 2411
Delta R.T. 0.000 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42

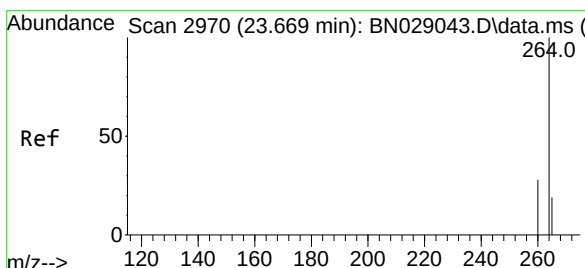
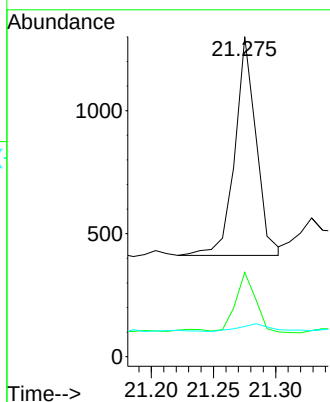
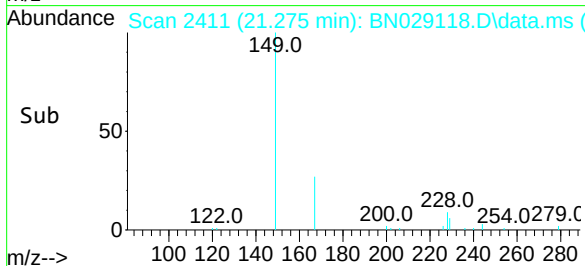
Instrument :
BNA_N
ClientSampleId :
PE-6



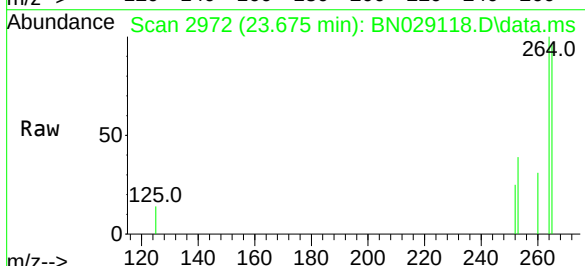
Tgt Ion:149 Resp: 1054
Ion Ratio Lower Upper
149 100
167 26.3 23.4 35.2
279 5.8 3.4 5.2

Manual Integrations
APPROVED

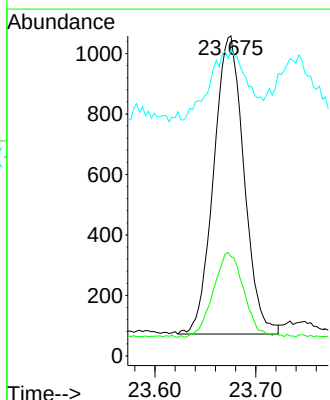
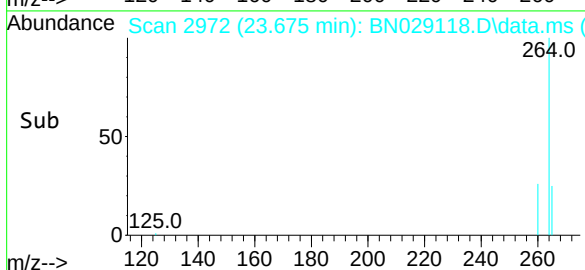
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

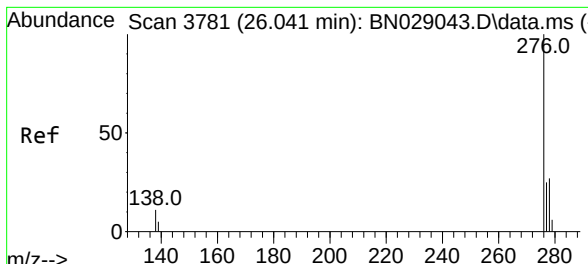


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.675 min Scan# 2972
Delta R.T. 0.006 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42



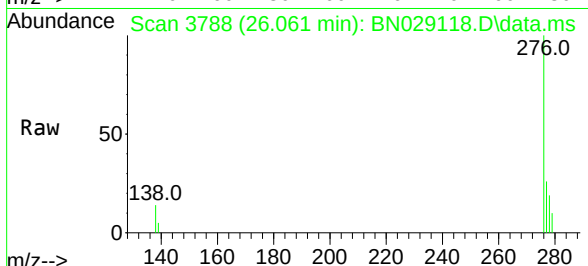
Tgt Ion:264 Resp: 2061
Ion Ratio Lower Upper
264 100
260 31.1 23.9 35.9
265 95.7 52.7 79.1





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.869 ng
 RT: 26.061 min Scan# 31
 Delta R.T. 0.021 min
 Lab File: BN029118.D
 Acq: 08 Dec 2023 08:42

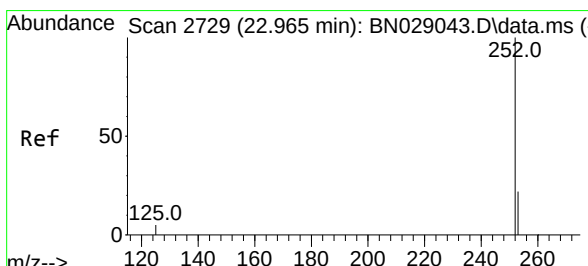
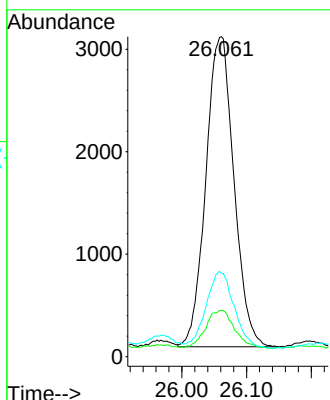
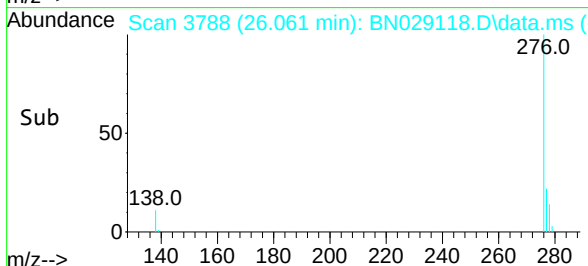
Instrument :
 BNA_N
 ClientSampleId :
 PE-6



Tgt Ion: 276 Resp: 9134
 Ion Ratio Lower Upper
 276 100
 138 12.0 9.6 14.4
 277 25.3 19.4 29.0

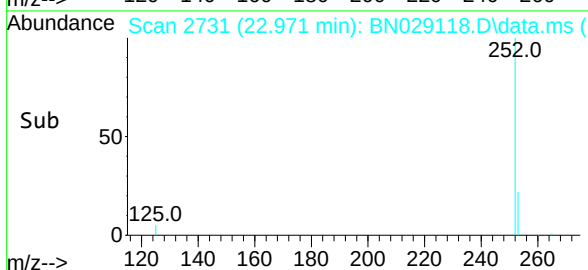
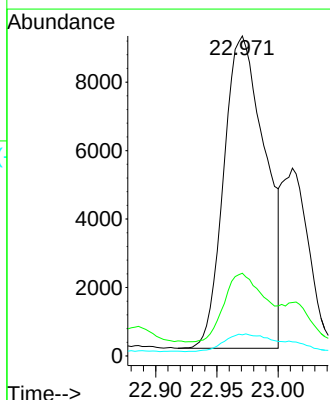
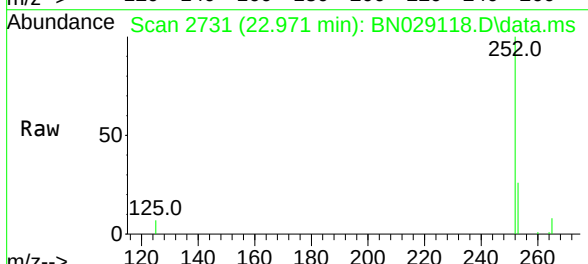
Manual Integrations
 APPROVED

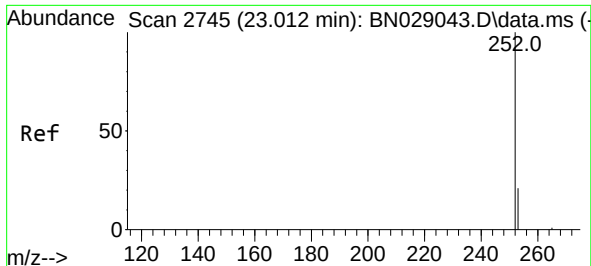
Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/08/2023



#37
 Benzo(b)fluoranthene
 Concen: 1.939 ng
 RT: 22.971 min Scan# 2731
 Delta R.T. 0.006 min
 Lab File: BN029118.D
 Acq: 08 Dec 2023 08:42

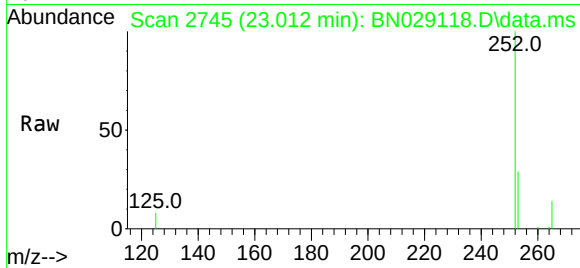
Tgt Ion: 252 Resp: 21458
 Ion Ratio Lower Upper
 252 100
 253 25.9 23.0 34.6
 125 6.6 5.4 8.0





#38
Benzo(k)fluoranthene
Concen: 0.790 ng m
RT: 23.012 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42

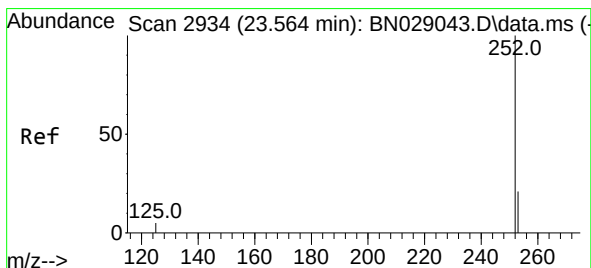
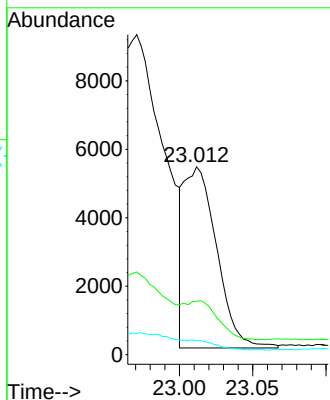
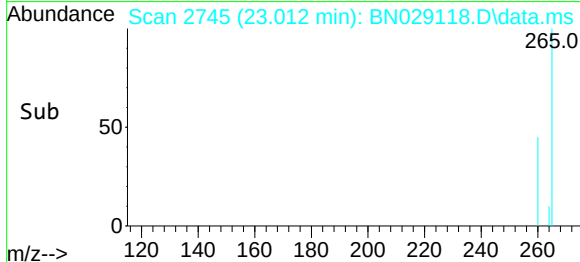
Instrument :
BNA_N
ClientSampleId :
PE-6



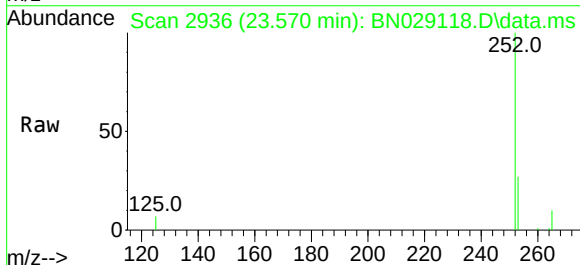
Tgt Ion:252 Resp: 819
Ion Ratio Lower Upper
252 100
253 28.5 23.0 34.4
125 7.5 5.0 7.6

Manual Integrations
APPROVED

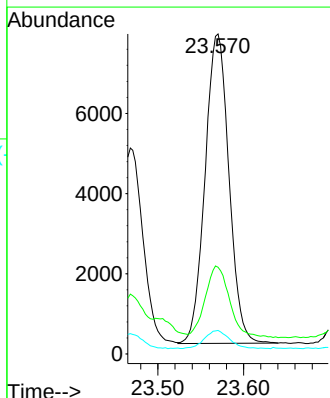
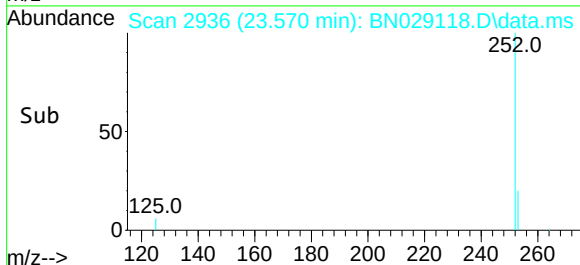
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

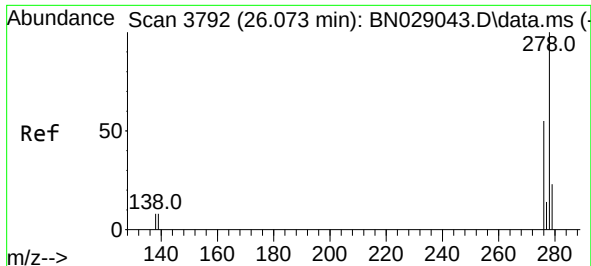


#39
Benzo(a)pyrene
Concen: 1.635 ng
RT: 23.570 min Scan# 2936
Delta R.T. 0.006 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42



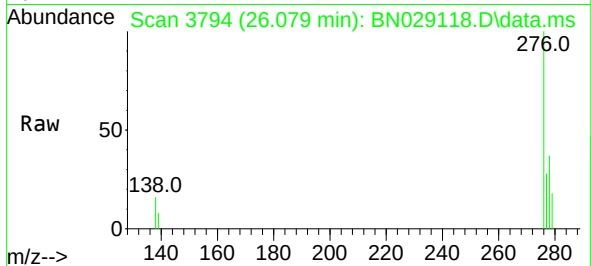
Tgt Ion:252 Resp: 14968
Ion Ratio Lower Upper
252 100
253 27.1 25.3 37.9
125 7.4 6.5 9.7





#40
Dibenzo(a,h)anthracene
Concen: 0.284 ng
RT: 26.079 min Scan# 31
Delta R.T. 0.006 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42

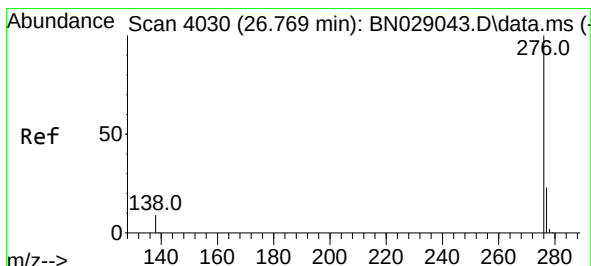
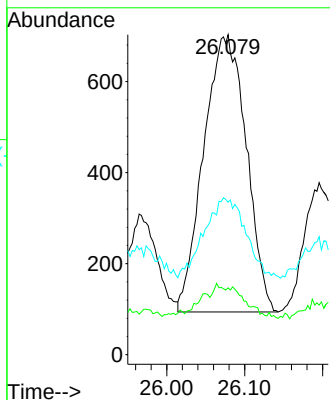
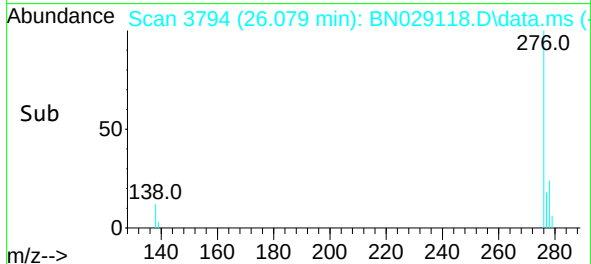
Instrument :
BNA_N
ClientSampleId :
PE-6



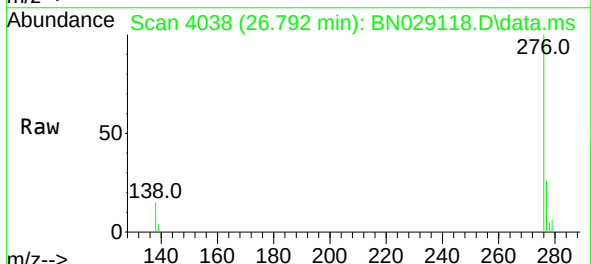
Tgt Ion:278 Resp: 230
Ion Ratio Lower Upper
278 100
139 20.9 9.4 14.2
279 47.7 24.2 36.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#41
Benzo(g,h,i)perylene
Concen: 0.941 ng
RT: 26.792 min Scan# 4038
Delta R.T. 0.023 min
Lab File: BN029118.D
Acq: 08 Dec 2023 08:42



Tgt Ion:276 Resp: 8345
Ion Ratio Lower Upper
276 100
277 26.3 20.3 30.5
138 14.7 9.2 13.8

