

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
 Data File : BN028934.D
 Acq On : 01 Dec 2023 05:57
 Operator : MA/JU
 Sample : 05312-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 P-2(200FT)(5-10)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

Quant Time: Dec 01 06:25:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:28:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	5120	0.400	ng	0.00
7) Naphthalene-d8	10.594	136	14686	0.400	ng	0.00
13) Acenaphthene-d10	14.428	164	7277	0.400	ng	0.00
19) Phenanthrene-d10	17.184	188	11228	0.400	ng	# 0.00
29) Chrysene-d12	21.383	240	5485m	0.400	ng	0.00
35) Perylene-d12	23.725	264	6025	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	3849	0.248	ng	-0.01
5) Phenol-d6	7.031	99	4640	0.270	ng	-0.01
8) Nitrobenzene-d5	8.982	82	3150	0.216	ng	0.00
11) 2-Methylnaphthalene-d10	12.182	152	5349	0.227	ng	0.00
14) 2,4,6-Tribromophenol	15.930	330	961	0.195	ng	0.00
15) 2-Fluorobiphenyl	13.060	172	6724	0.214	ng	-0.01
27) Fluoranthene-d10	19.223	212	4891	0.166	ng	0.00
31) Terphenyl-d14	19.822	244	4732	0.338	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.648	128	193111	4.138	ng	98
12) 2-Methylnaphthalene	12.257	142	81930	2.794	ng	99
16) Acenaphthylene	14.161	152	261686	6.788	ng	99
17) Acenaphthene	14.492	154	31757	1.241	ng	99
18) Fluorene	15.487	166	185396	5.724	ng	97
25) Phenanthrene	17.221	178	1448286	39.066	ng	96
26) Anthracene	17.320	178	753047	21.976	ng	99
28) Fluoranthene	19.255	202	1401503	36.355	ng	100
30) Pyrene	19.618	202	1150137	27.502	ng	99
32) Benzo(a)anthracene	21.365	228	545329	23.383	ng	96
33) Chrysene	21.419	228	411760	17.983	ng	94
34) Bis(2-ethylhexyl)phtha...	21.311	149	10089	0.215	ng	# 87
36) Indeno(1,2,3-cd)pyrene	26.146	276	296268	11.285	ng	# 89
37) Benzo(b)fluoranthene	23.024	252	537698	21.814	ng	# 25
38) Benzo(k)fluoranthene	23.062	252	199070m	8.560	ng	
39) Benzo(a)pyrene	23.626	252	386576	17.559	ng	# 17
40) Dibenzo(a,h)anthracene	26.158	278	62663	3.084	ng	# 35
41) Benzo(g,h,i)perylene	26.892	276	312436	13.671	ng	# 68

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

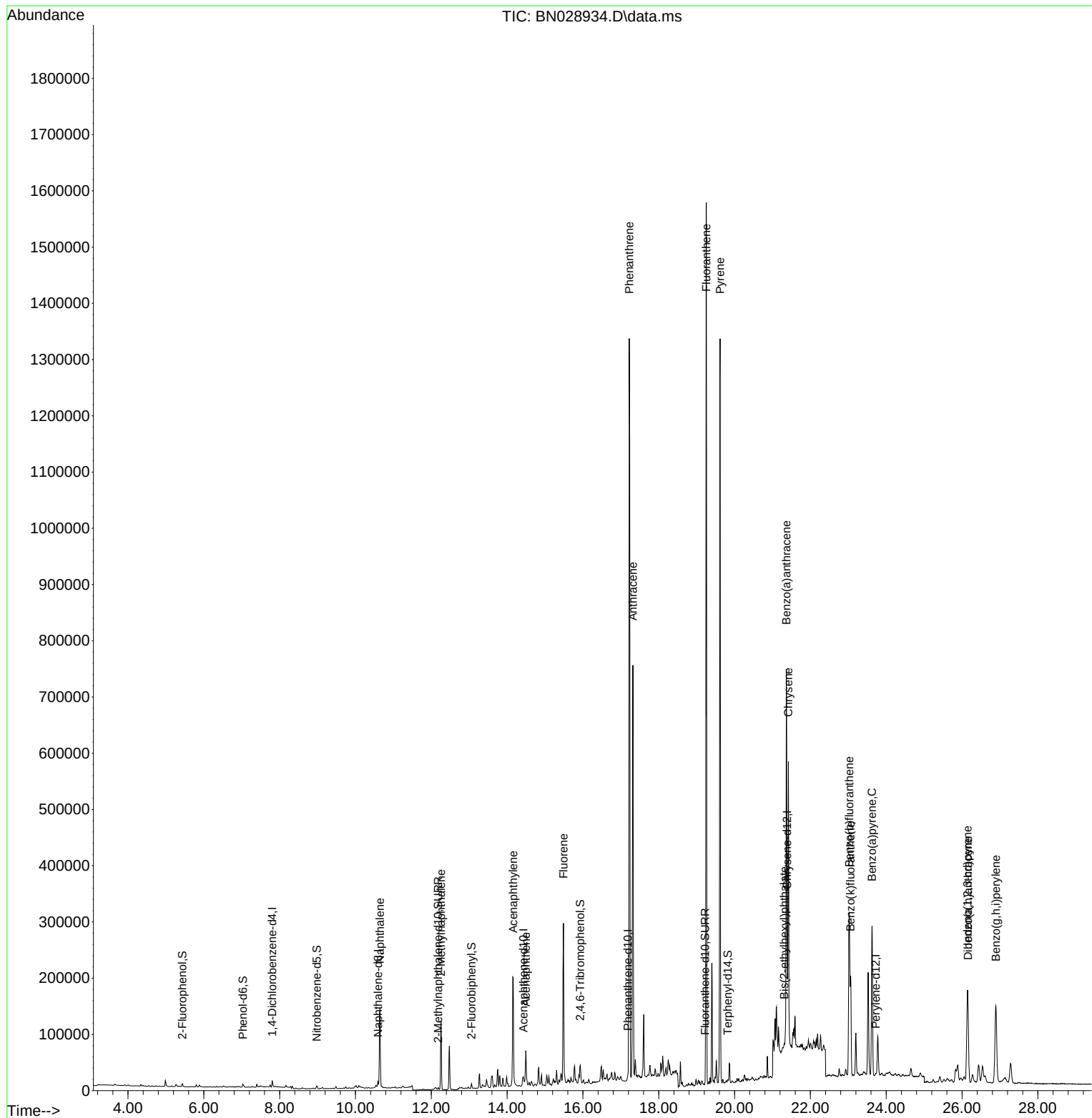
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
Data File : BN028934.D
Acq On : 01 Dec 2023 05:57
Operator : MA/JU
Sample : 05312-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

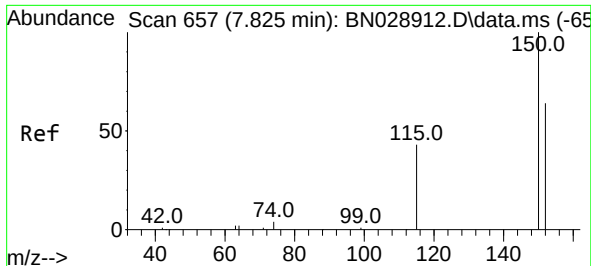
Instrument :
BNA_N
ClientSampleId :
P-2(200FT)(5-10)

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

Quant Time: Dec 01 06:25:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:28:34 2023
Response via : Initial Calibration





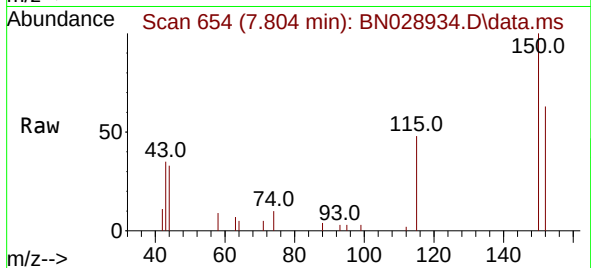
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.804 min Scan# 612
Delta R.T. -0.007 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

Instrument :

BNA_N

ClientSampleId :

P-2(200FT)(5-10)

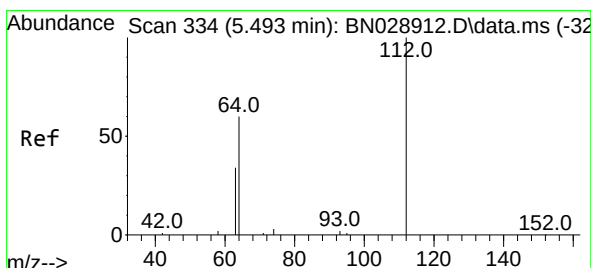
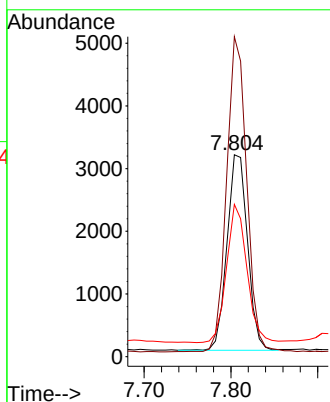
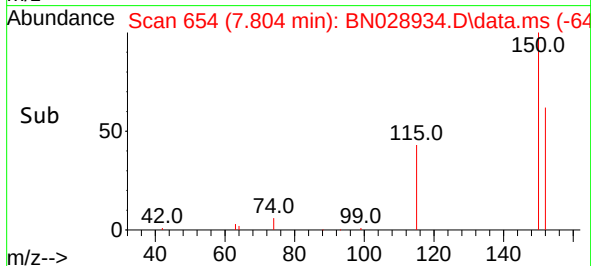


Tgt Ion:152 Resp: 5120
Ion Ratio Lower Upper
152 100
150 158.5 123.4 185.2
115 75.4 59.1 88.7

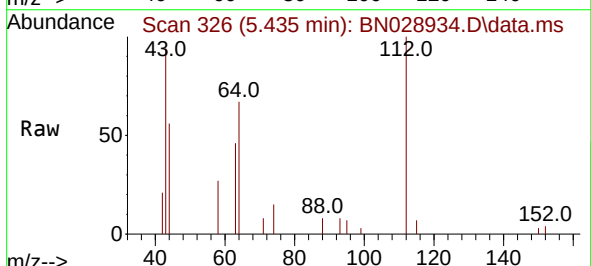
Manual Integrations

APPROVED

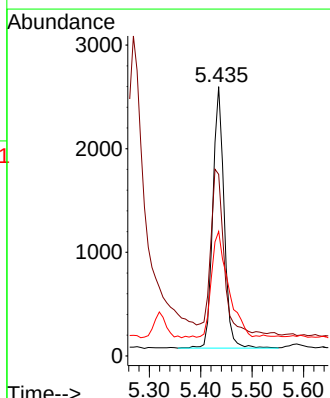
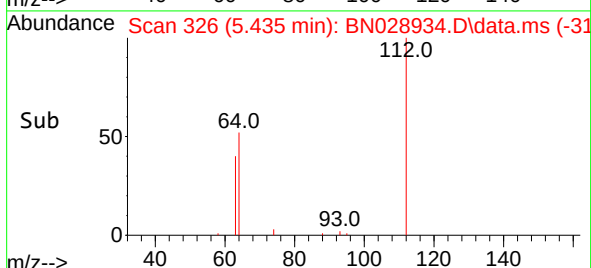
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

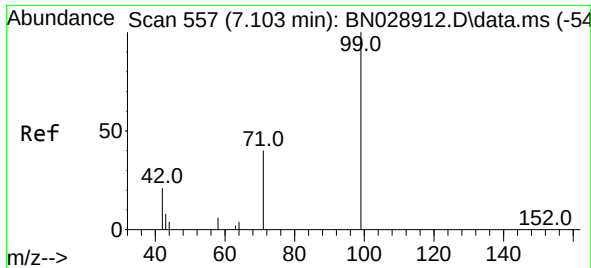


#4
2-Fluorophenol
Concen: 0.248 ng
RT: 5.435 min Scan# 326
Delta R.T. -0.014 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57



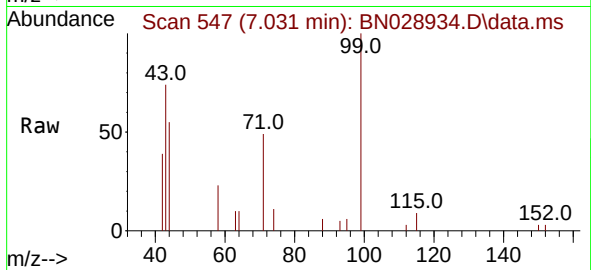
Tgt Ion:112 Resp: 3849
Ion Ratio Lower Upper
112 100
64 72.1 51.5 77.3
63 61.7 30.4 45.6





#5
Phenol-d6
Concen: 0.270 ng
RT: 7.031 min Scan# 54
Delta R.T. -0.014 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

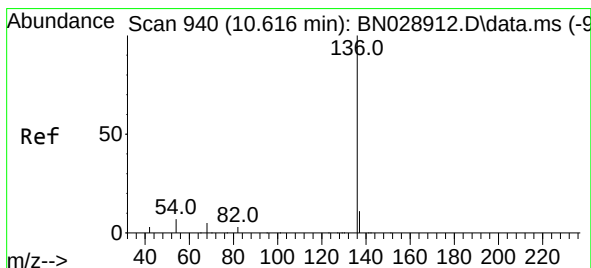
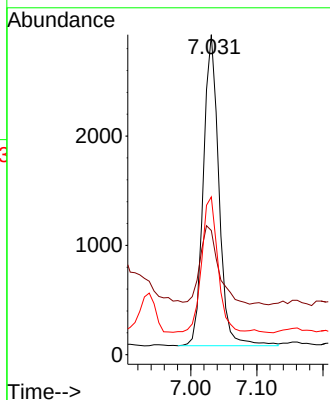
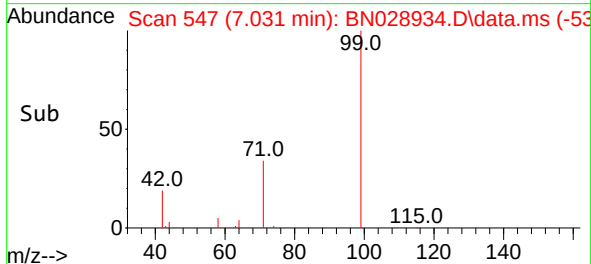
Instrument :
BNA_N
ClientSampleId :
P-2(200FT)(5-10)



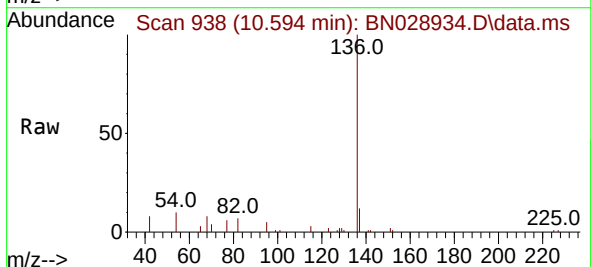
Tgt Ion: 99 Resp: 4640
Ion Ratio Lower Upper
99 100
42 29.9 21.2 31.8
71 45.4 35.4 53.0

Manual Integrations
APPROVED

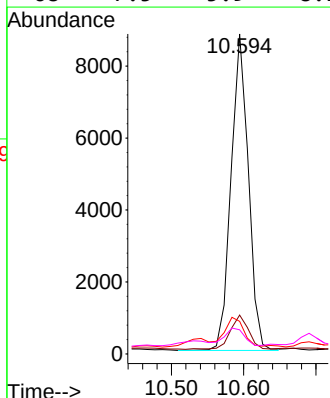
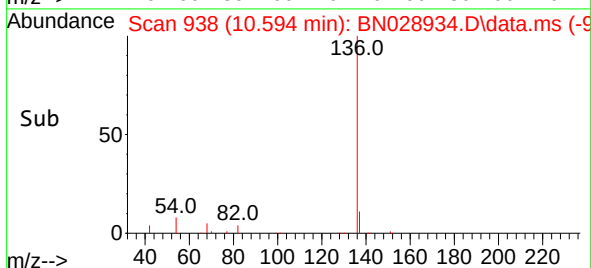
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

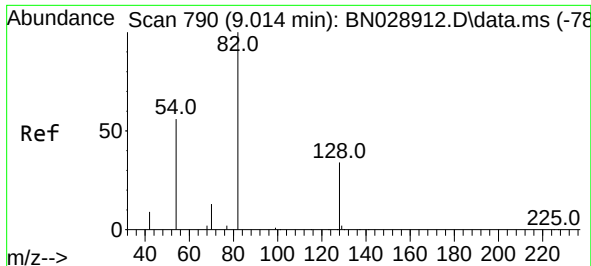


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.594 min Scan# 938
Delta R.T. 0.000 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57



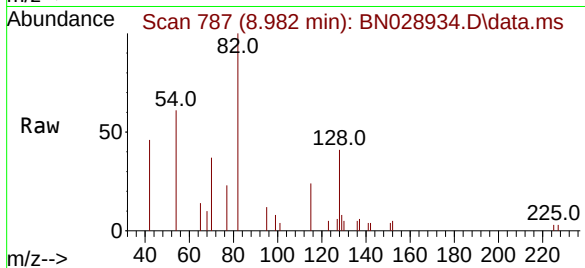
Tgt Ion:136 Resp: 14686
Ion Ratio Lower Upper
136 100
137 12.2 10.6 16.0
54 10.2 7.5 11.3
68 7.5 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.216 ng
RT: 8.982 min Scan# 790
Delta R.T. 0.000 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

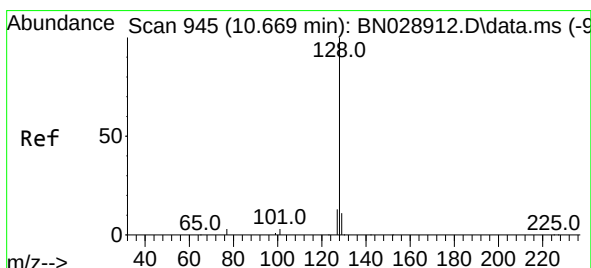
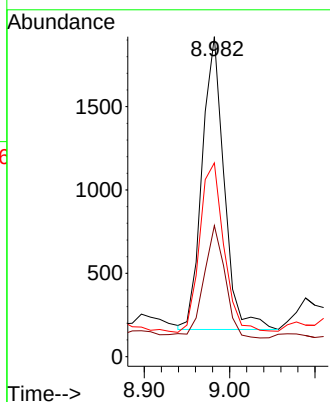
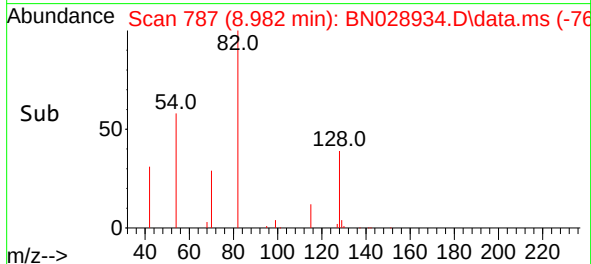
Instrument :
BNA_N
ClientSampleId :
P-2(200FT)(5-10)



Tgt Ion: 82 Resp: 3150
Ion Ratio Lower Upper
82 100
128 40.9 29.2 43.8
54 60.5 47.0 70.6

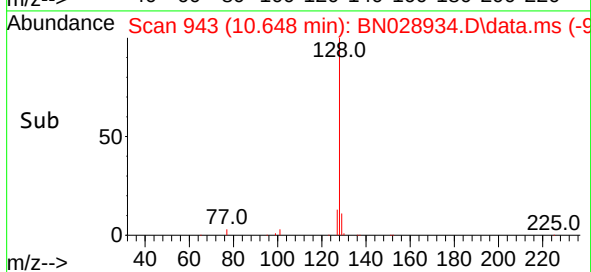
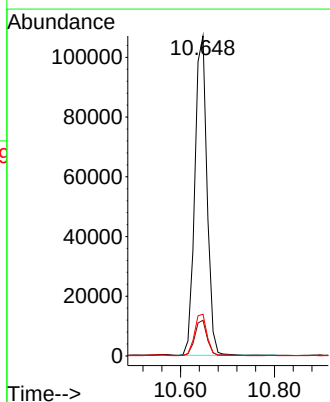
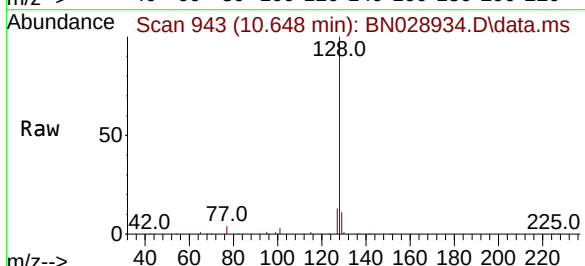
Manual Integrations
APPROVED

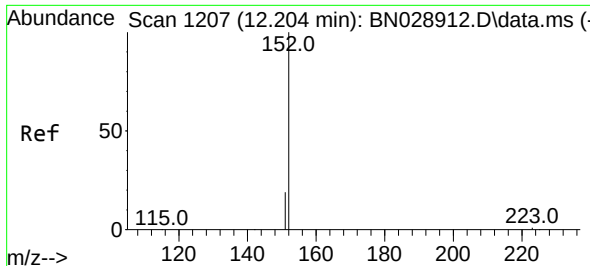
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#9
Naphthalene
Concen: 4.138 ng
RT: 10.648 min Scan# 943
Delta R.T. 0.000 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

Tgt Ion:128 Resp: 193111
Ion Ratio Lower Upper
128 100
129 11.1 9.5 14.3
127 13.1 11.0 16.4





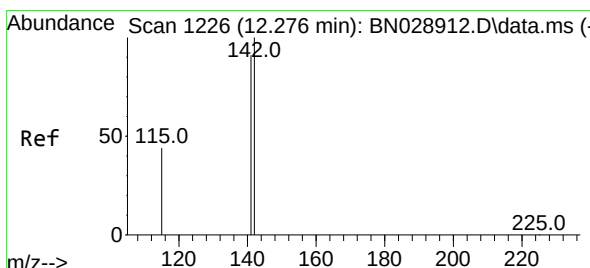
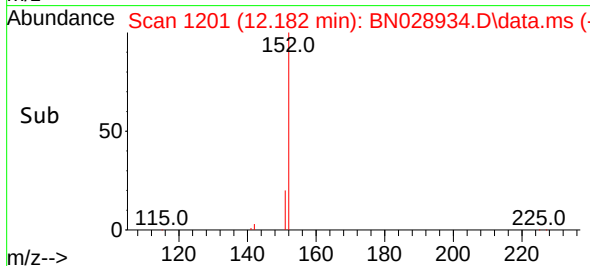
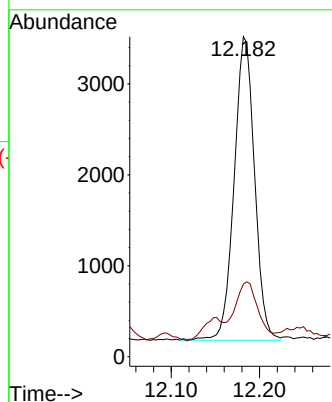
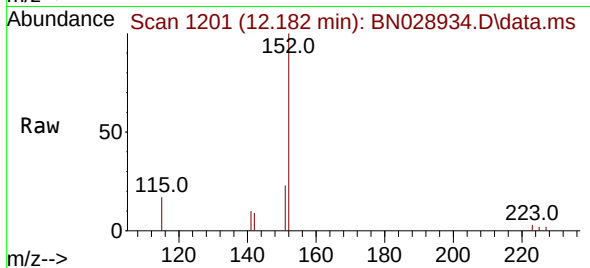
#11
2-Methylnaphthalene-d10
Concen: 0.227 ng
RT: 12.182 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

Instrument :
BNA_N
ClientSampleId :
P-2(200FT)(5-10)

Tgt Ion:152 Resp: 5349
Ion Ratio Lower Upper
152 100
151 19.9 16.7 25.1

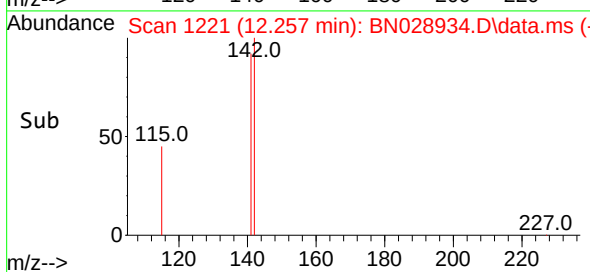
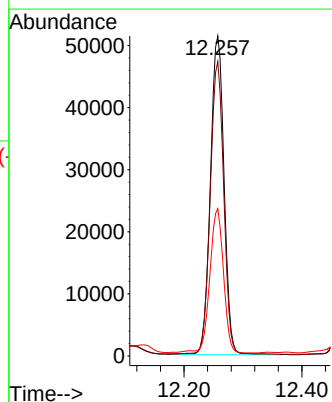
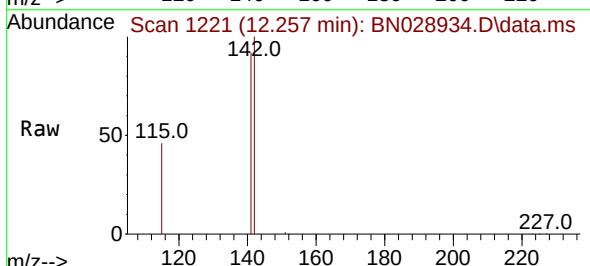
Manual Integrations
APPROVED

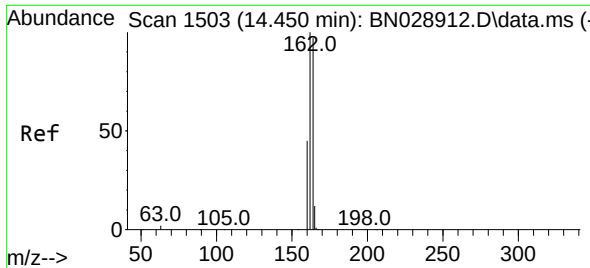
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#12
2-Methylnaphthalene
Concen: 2.794 ng
RT: 12.257 min Scan# 1221
Delta R.T. 0.000 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

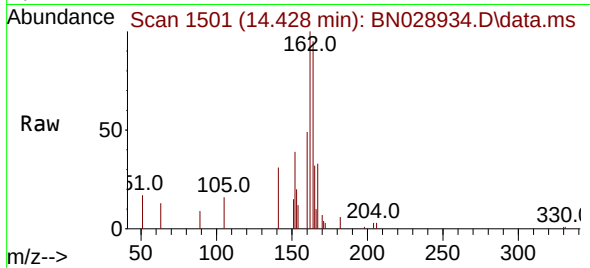
Tgt Ion:142 Resp: 81930
Ion Ratio Lower Upper
142 100
141 92.0 73.1 109.7
115 46.0 37.6 56.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.428 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

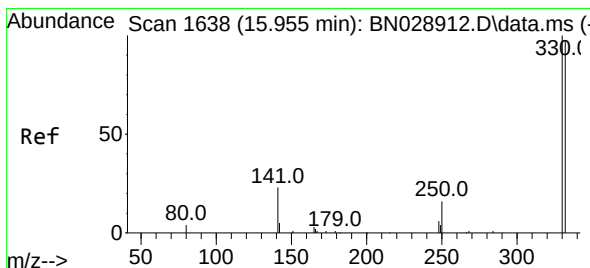
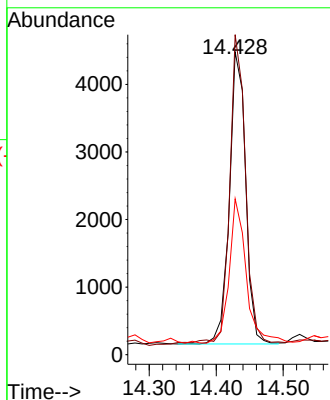
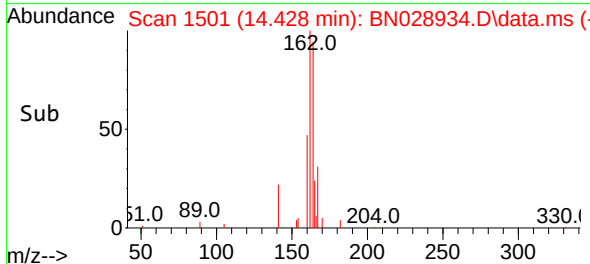
Instrument :
BNA_N
ClientSampleId :
P-2(200FT)(5-10)



Tgt Ion:164 Resp: 727
Ion Ratio Lower Upper
164 100
162 105.7 81.7 122.5
160 51.5 37.0 55.6

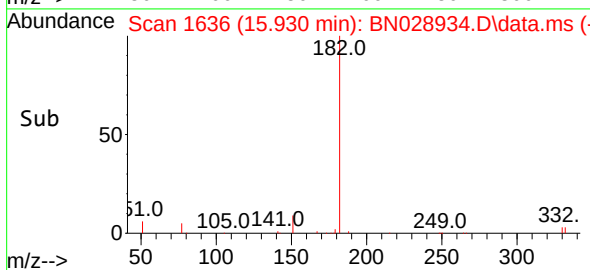
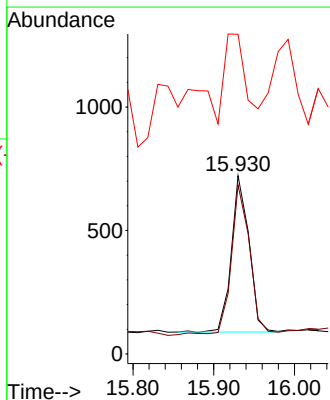
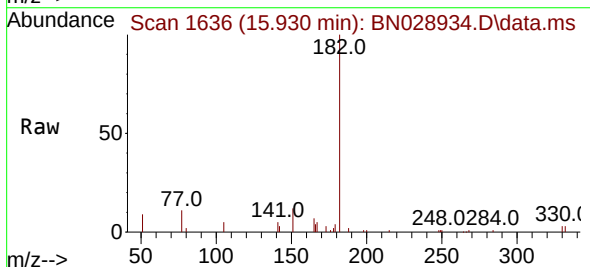
Manual Integrations
APPROVED

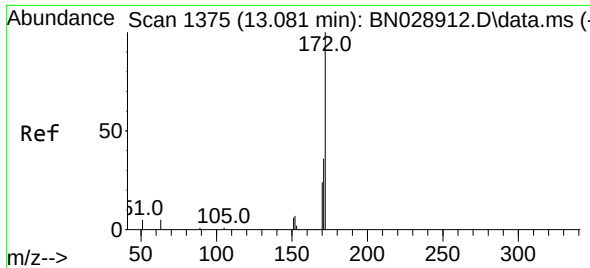
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#14
2,4,6-Tribromophenol
Concen: 0.195 ng
RT: 15.930 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

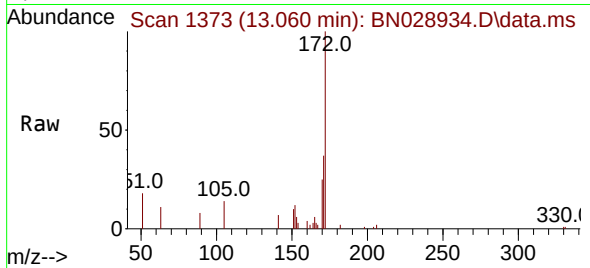
Tgt Ion:330 Resp: 961
Ion Ratio Lower Upper
330 100
332 100.4 75.4 113.2
141 68.7 35.7 53.5#





#15
2-Fluorobiphenyl
Concen: 0.214 ng
RT: 13.060 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

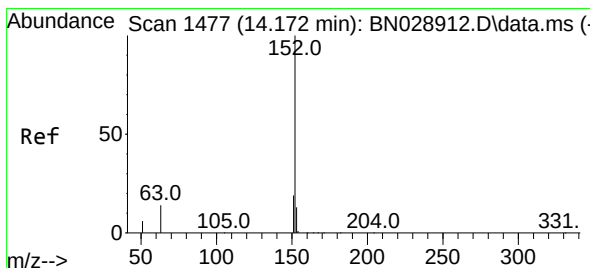
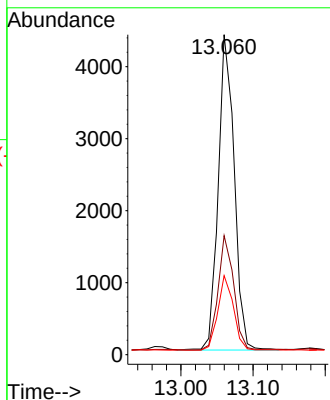
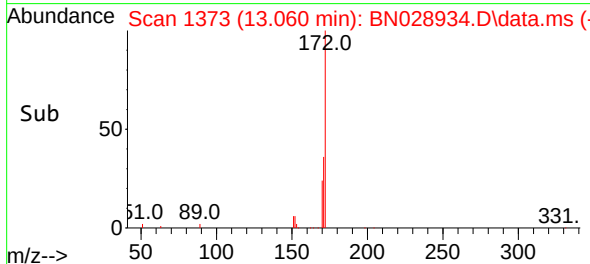
Instrument :
BNA_N
ClientSampleId :
P-2(200FT)(5-10)



Tgt Ion:172 Resp: 6724
Ion Ratio Lower Upper
172 100
171 37.2 29.0 43.4
170 24.7 19.7 29.5

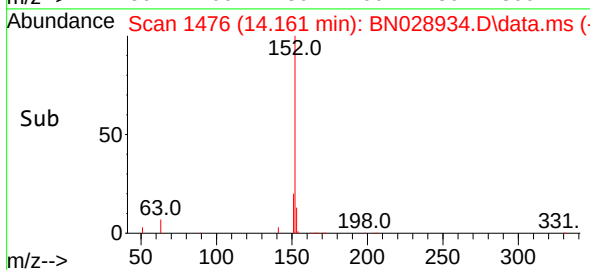
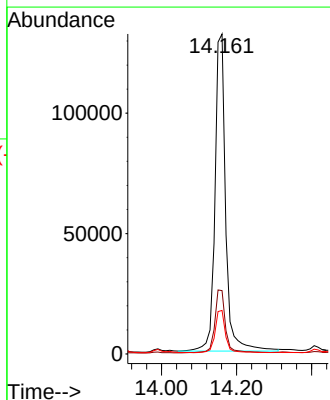
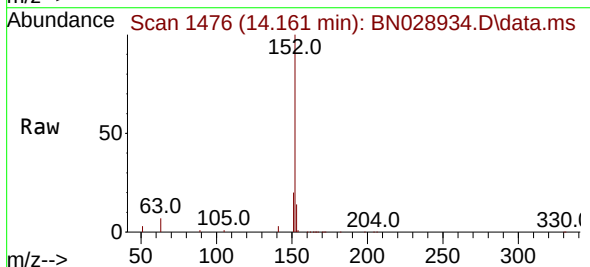
Manual Integrations
APPROVED

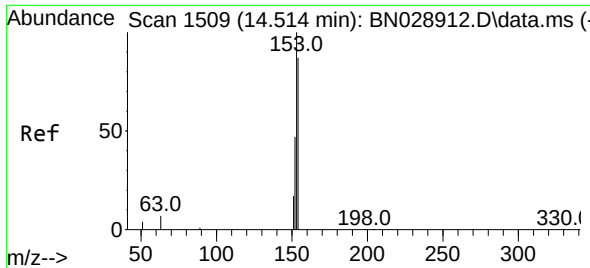
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#16
Acenaphthylene
Concen: 6.788 ng
RT: 14.161 min Scan# 1476
Delta R.T. 0.011 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

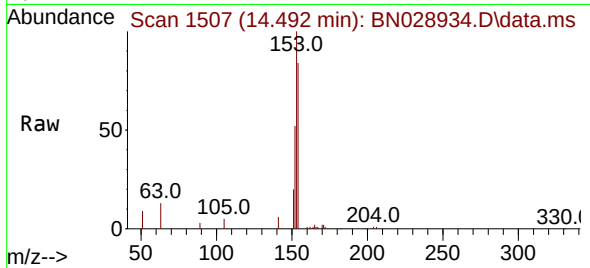
Tgt Ion:152 Resp: 261686
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 12.8 10.8 16.2





#17
Acenaphthene
Concen: 1.241 ng
RT: 14.492 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

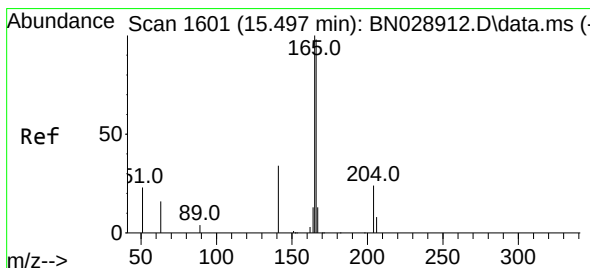
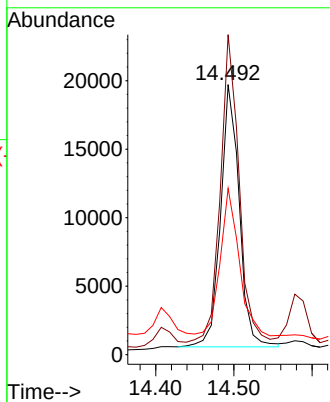
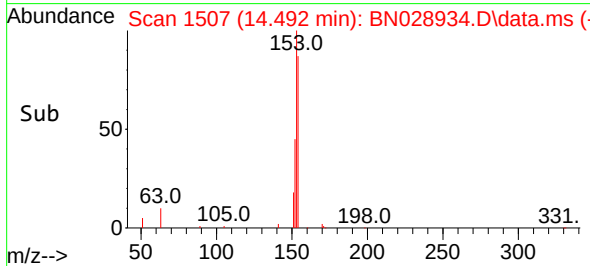
Instrument :
BNA_N
ClientSampleId :
P-2(200FT)(5-10)



Tgt Ion:154 Resp: 3175
Ion Ratio Lower Upper
154 100
153 116.2 93.8 140.6
152 56.4 44.5 66.7

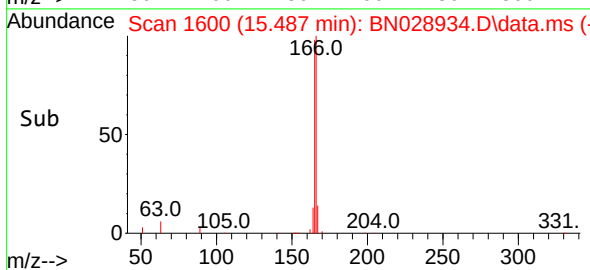
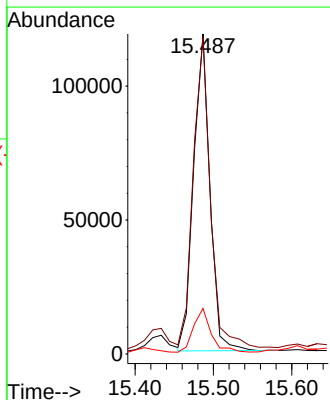
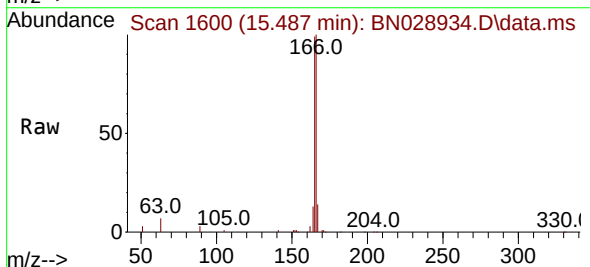
Manual Integrations
APPROVED

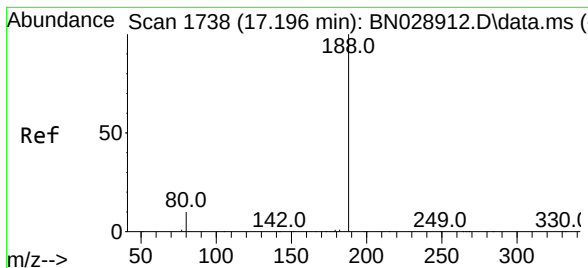
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#18
Fluorene
Concen: 5.724 ng
RT: 15.487 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

Tgt Ion:166 Resp: 185396
Ion Ratio Lower Upper
166 100
165 102.5 79.4 119.2
167 14.3 11.0 16.4





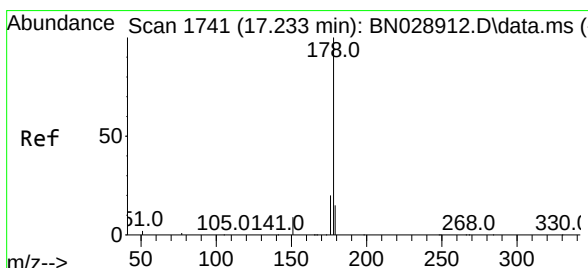
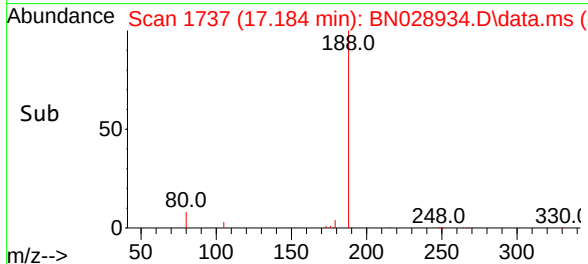
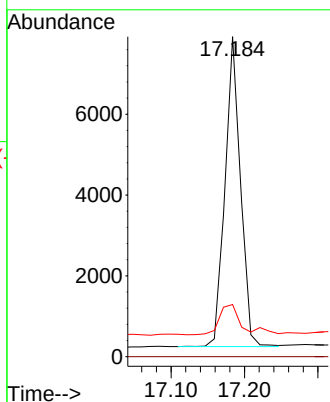
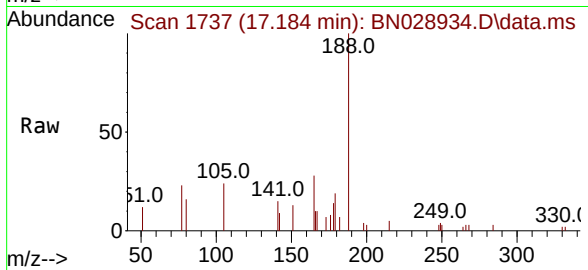
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.184 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

Instrument :
BNA_N
ClientSampleId :
P-2(200FT)(5-10)

Tgt Ion:188 Resp: 11228
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.3 9.0 13.6

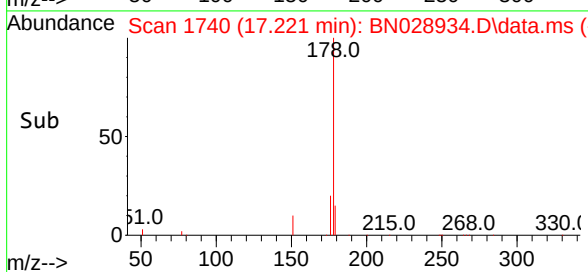
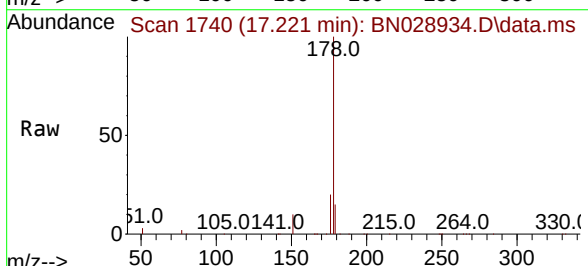
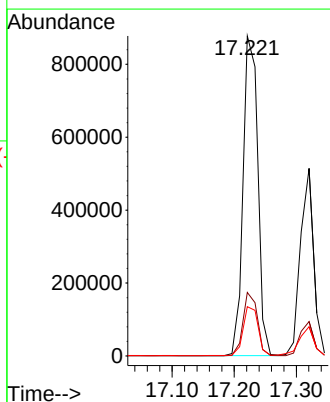
Manual Integrations
APPROVED

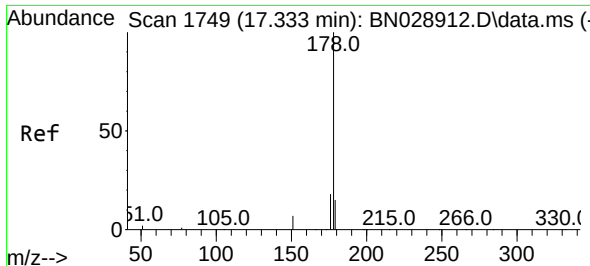
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#25
Phenanthrene
Concen: 39.066 ng
RT: 17.221 min Scan# 1740
Delta R.T. 0.000 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

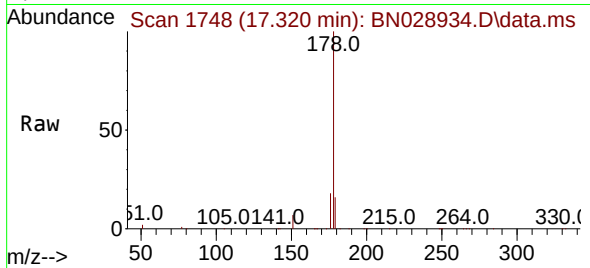
Tgt Ion:178 Resp: 1448286
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 15.6 14.1 21.1





#26
 Anthracene
 Concen: 21.976 ng
 RT: 17.320 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BN028934.D
 Acq: 01 Dec 2023 05:57

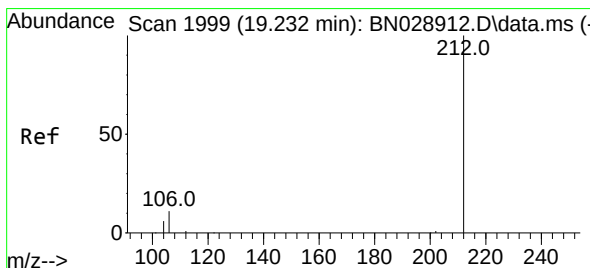
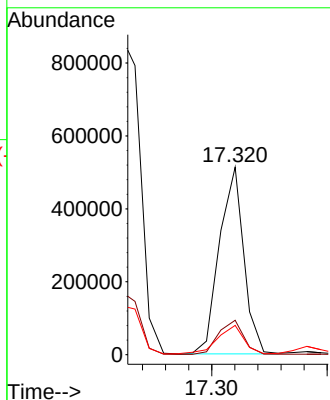
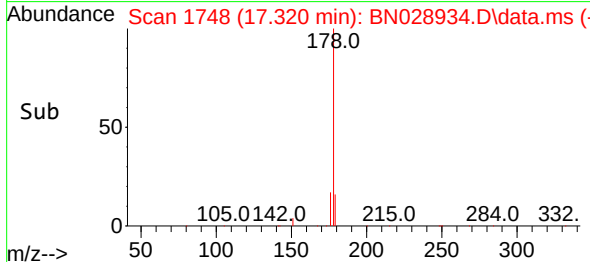
Instrument :
 BNA_N
 ClientSampleId :
 P-2(200FT)(5-10)



Tgt Ion:178 Resp: 75304
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.2 22.8
 179 16.0 12.2 18.2

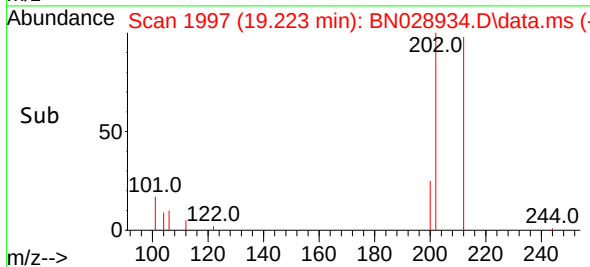
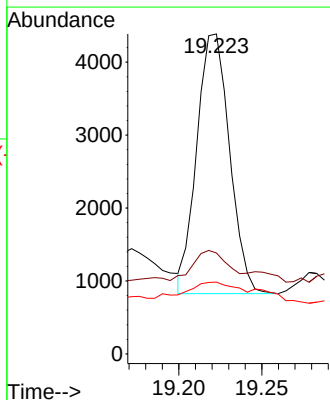
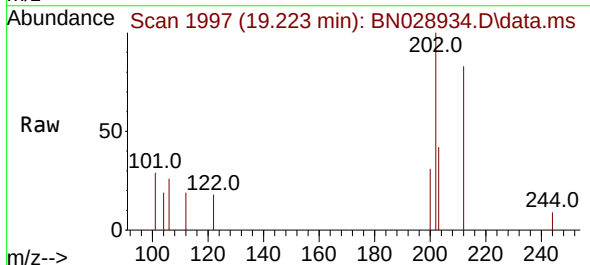
Manual Integrations
 APPROVED

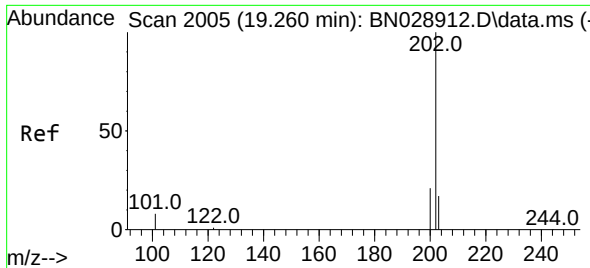
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023



#27
 Fluoranthene-d10
 Concen: 0.166 ng
 RT: 19.223 min Scan# 1997
 Delta R.T. 0.009 min
 Lab File: BN028934.D
 Acq: 01 Dec 2023 05:57

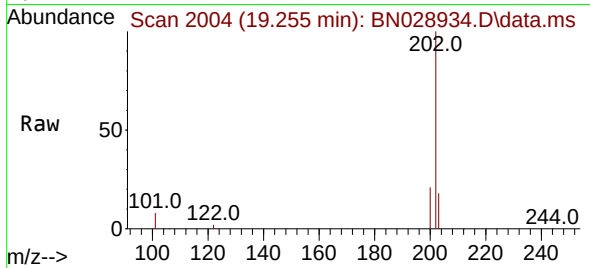
Tgt Ion:212 Resp: 4891
 Ion Ratio Lower Upper
 212 100
 106 12.2 9.4 14.2
 104 9.2 6.2 9.2





#28
Fluoranthene
Concen: 36.355 ng
RT: 19.255 min Scan# 2005
Delta R.T. 0.009 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

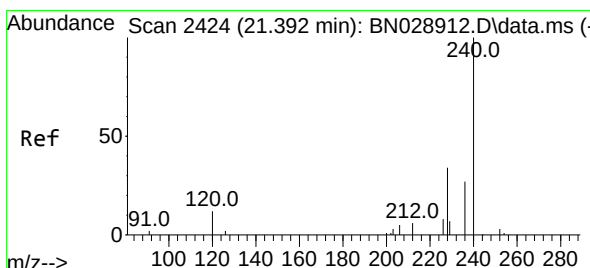
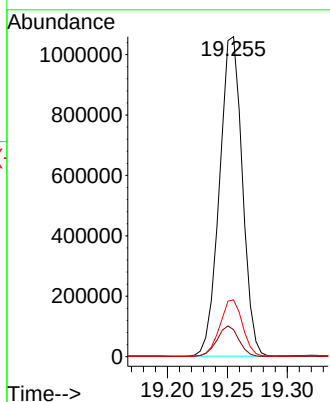
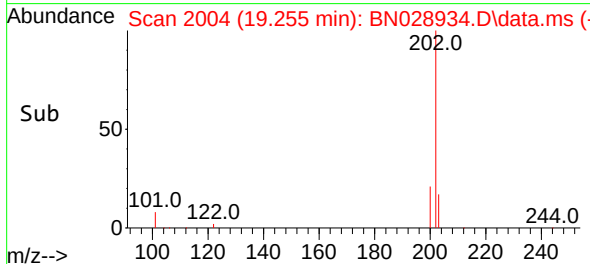
Instrument :
BNA_N
ClientSampleId :
P-2(200FT)(5-10)



Tgt Ion:202 Resp: 140150
Ion Ratio Lower Upper
202 100
101 9.2 7.3 10.9
203 17.5 14.1 21.1

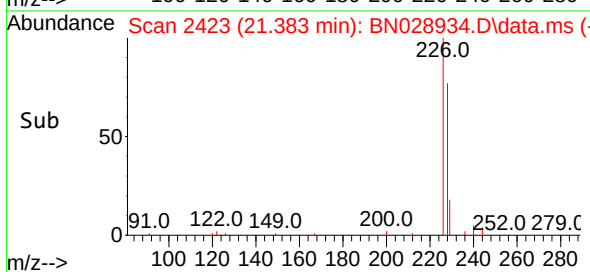
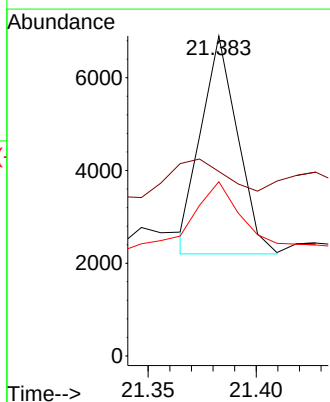
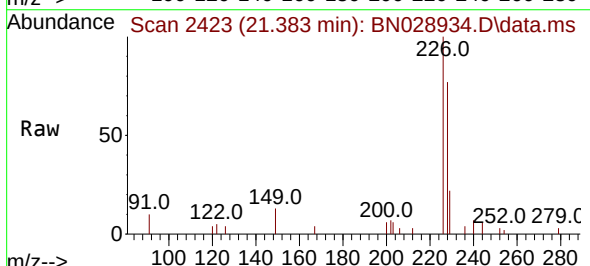
Manual Integrations
APPROVED

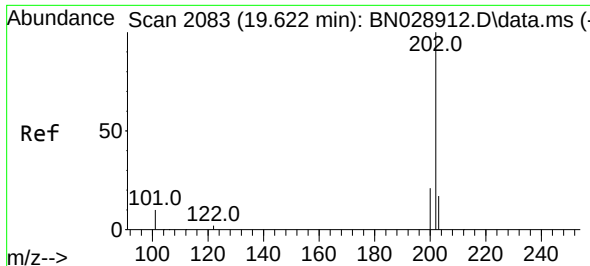
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.383 min Scan# 2423
Delta R.T. 0.009 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

Tgt Ion:240 Resp: 5485
Ion Ratio Lower Upper
240 100
120 57.6 37.1 55.7#
236 54.4 32.4 48.6#





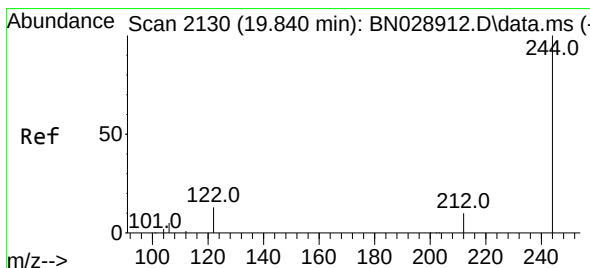
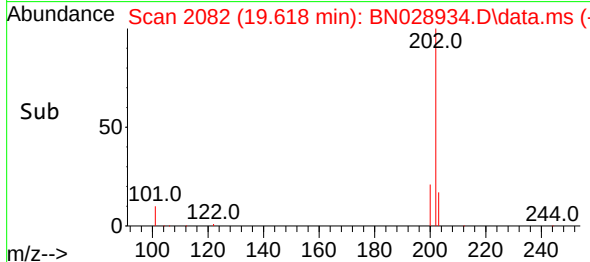
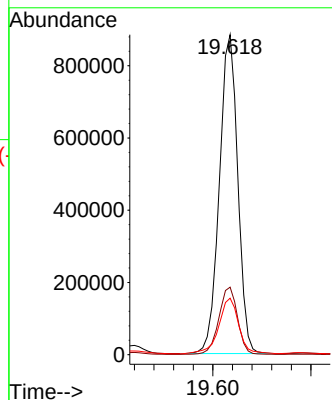
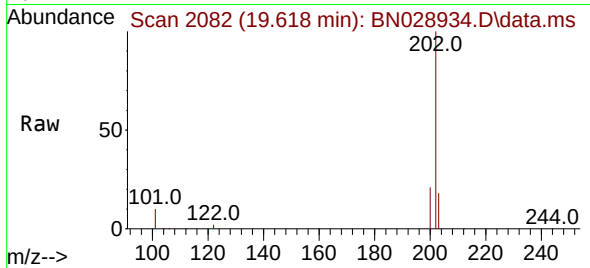
#30
Pyrene
Concen: 27.502 ng
RT: 19.618 min Scan# 2082
Delta R.T. 0.009 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

Instrument :
BNA_N
ClientSampleId :
P-2(200FT)(5-10)

Tgt Ion:202 Resp: 115013
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 18.9 14.8 22.2

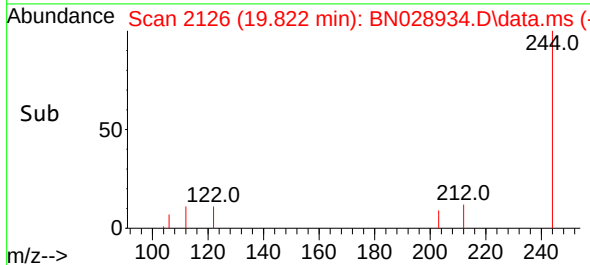
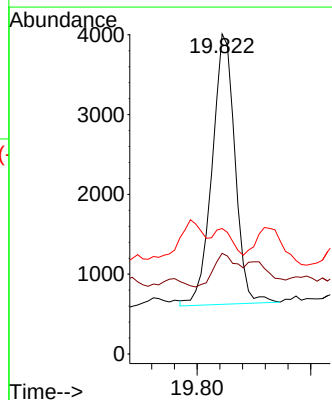
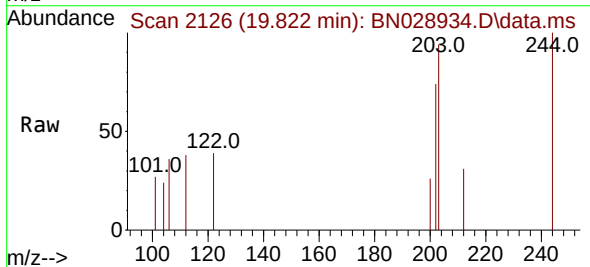
Manual Integrations
APPROVED

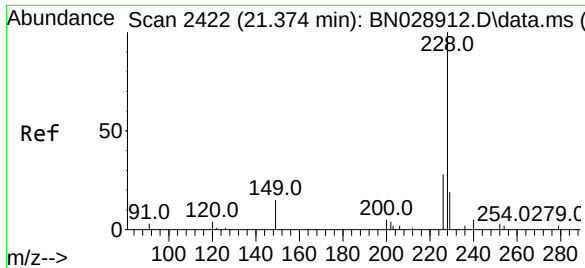
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#31
Terphenyl-d14
Concen: 0.338 ng
RT: 19.822 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

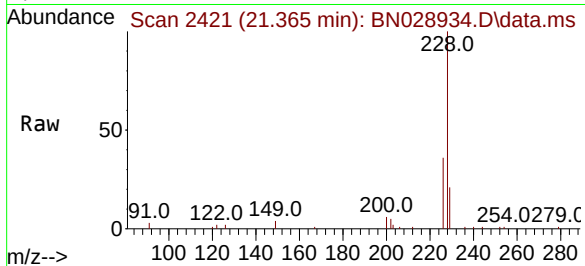
Tgt Ion:244 Resp: 4732
Ion Ratio Lower Upper
244 100
212 31.4 11.5 17.3#
122 39.2 13.2 19.8#





#32
Benzo(a)anthracene
Concen: 23.383 ng
RT: 21.365 min Scan# 2421
Delta R.T. 0.009 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

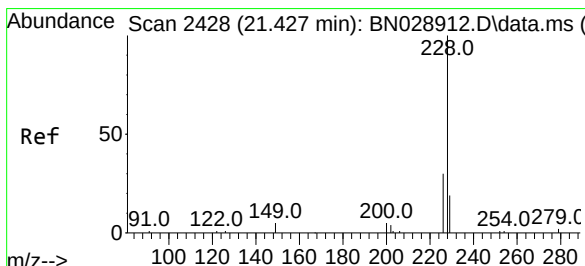
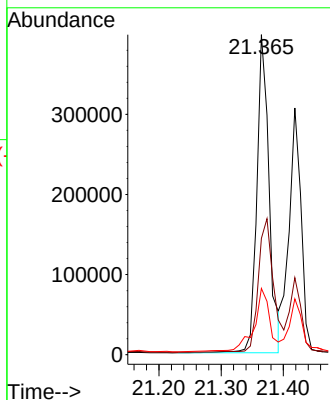
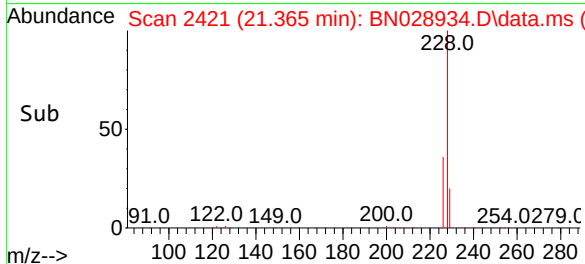
Instrument :
BNA_N
ClientSampleId :
P-2(200FT)(5-10)



Tgt Ion:228 Resp: 545329
Ion Ratio Lower Upper
228 100
226 36.3 26.5 39.7
229 20.7 16.4 24.6

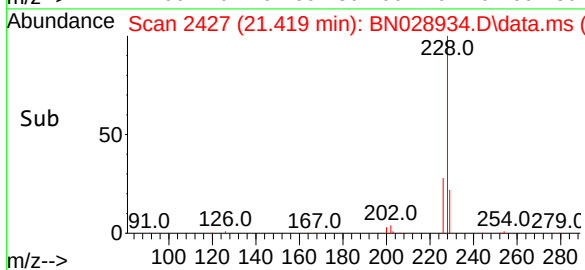
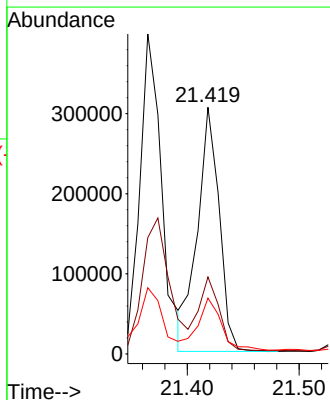
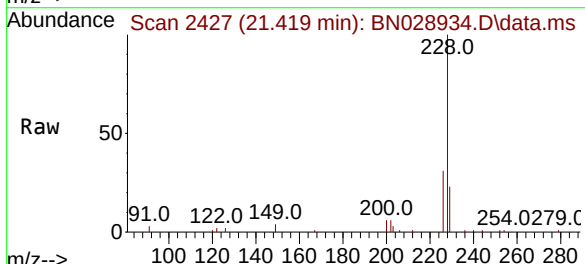
Manual Integrations
APPROVED

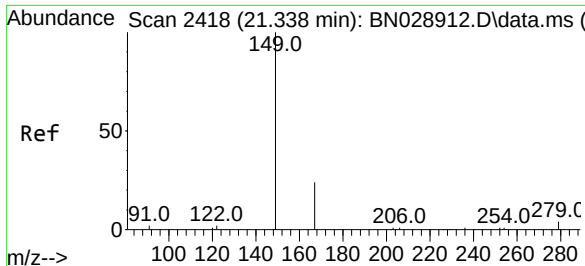
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#33
Chrysene
Concen: 17.983 ng
RT: 21.419 min Scan# 2427
Delta R.T. 0.009 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

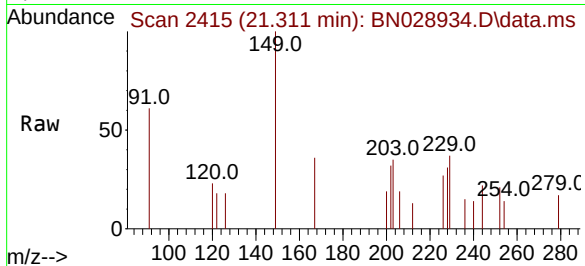
Tgt Ion:228 Resp: 411760
Ion Ratio Lower Upper
228 100
226 31.2 28.3 42.5
229 22.6 16.4 24.6





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.215 ng
RT: 21.311 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

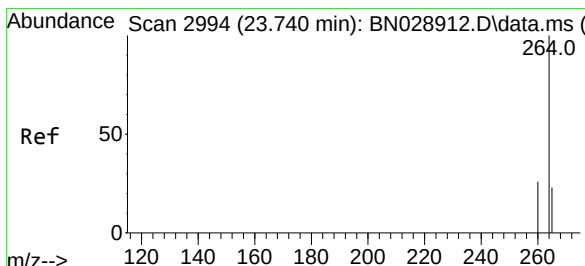
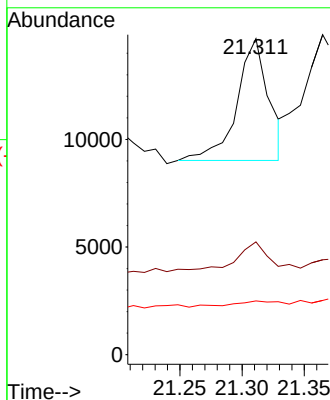
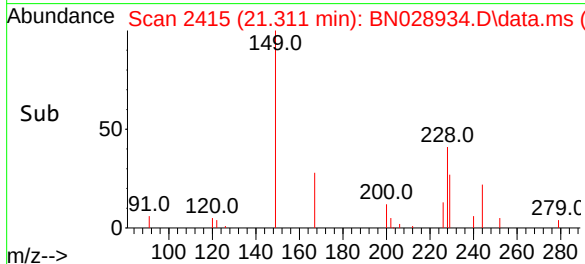
Instrument :
BNA_N
ClientSampleId :
P-2(200FT)(5-10)



Tgt Ion:149 Resp: 10089
Ion Ratio Lower Upper
149 100
167 26.6 14.9 22.3#
279 8.1 6.3 9.5#

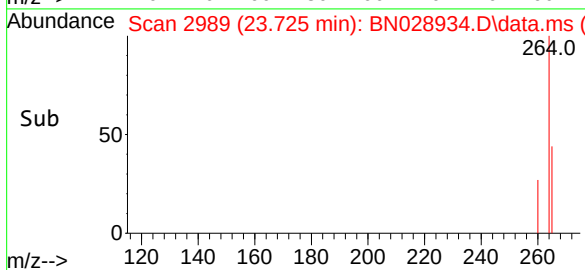
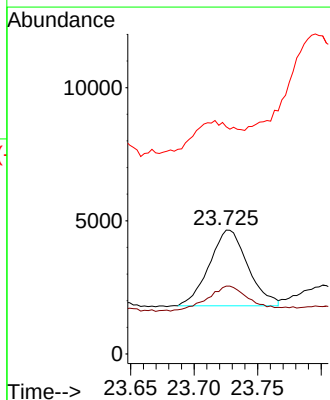
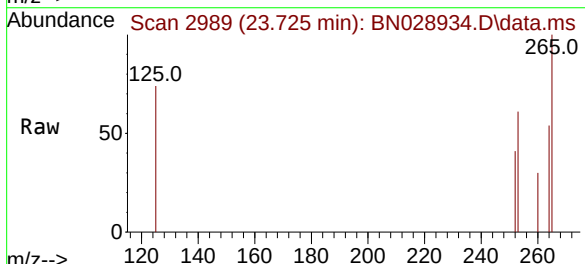
Manual Integrations
APPROVED

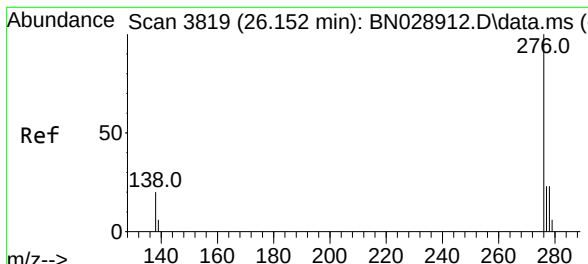
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.725 min Scan# 2989
Delta R.T. 0.012 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

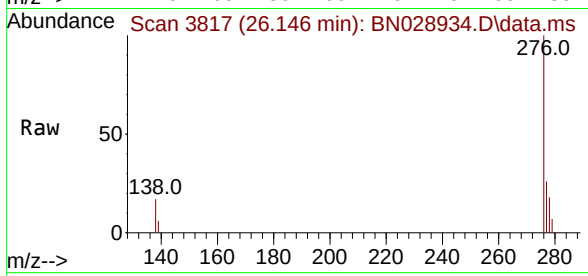
Tgt Ion:264 Resp: 6025
Ion Ratio Lower Upper
264 100
260 54.8 20.6 30.8#
265 183.5 464.5 696.7#





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 11.285 ng
 RT: 26.146 min Scan# 3819
 Delta R.T. 0.035 min
 Lab File: BN028934.D
 Acq: 01 Dec 2023 05:57

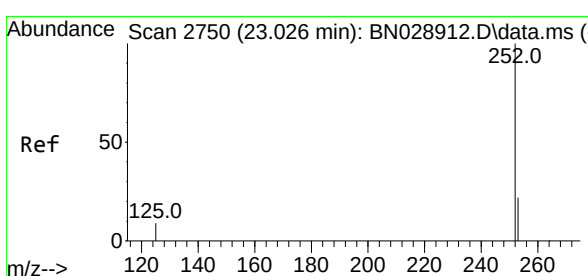
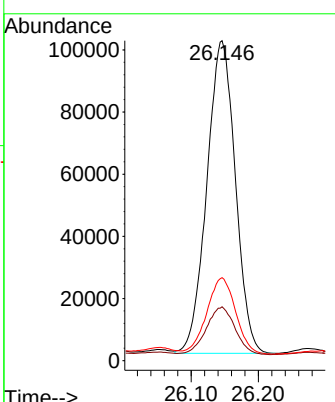
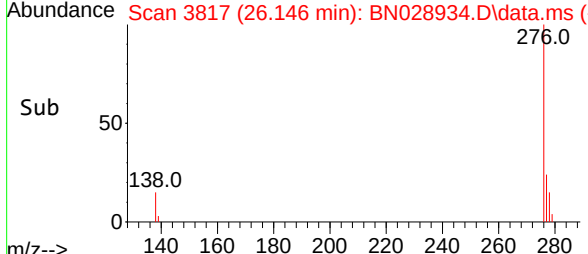
Instrument : BNA_N
 ClientSampleId : P-2(200FT)(5-10)



Tgt Ion: 276 Resp: 296268

Ion	Ratio	Lower	Upper
276	100		
138	15.5	20.9	31.3
277	24.7	20.2	30.4

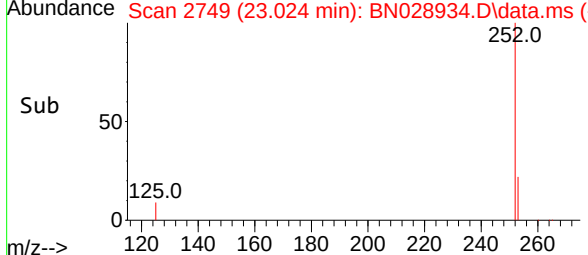
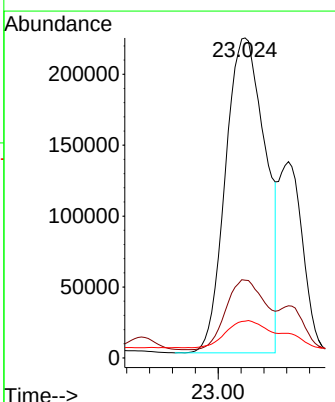
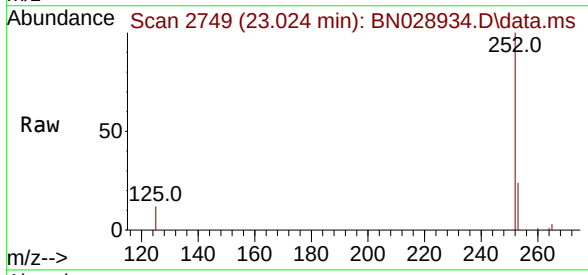
Manual Integrations
APPROVED
 Reviewed By : Yogesh Patel 12/01/2023
 Supervised By : mohammad ahmed 12/01/2023

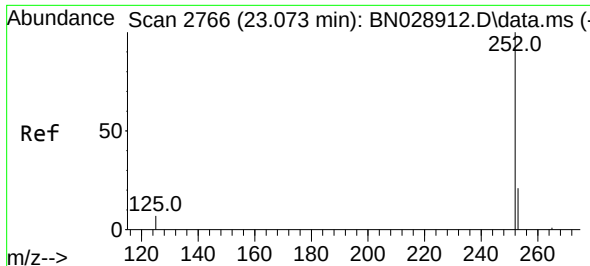


#37
 Benzo(b)fluoranthene
 Concen: 21.814 ng
 RT: 23.024 min Scan# 2749
 Delta R.T. 0.021 min
 Lab File: BN028934.D
 Acq: 01 Dec 2023 05:57

Tgt Ion: 252 Resp: 537698

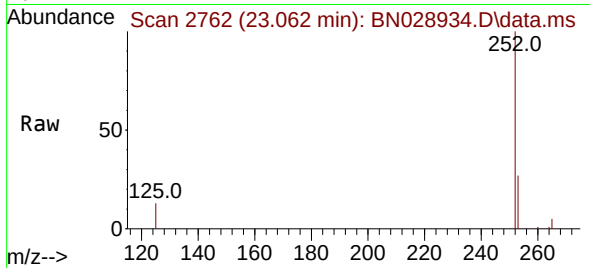
Ion	Ratio	Lower	Upper
252	100		
253	24.3	94.5	141.7
125	11.5	23.8	35.8





#38
Benzo(k)fluoranthene
Concen: 8.560 ng m
RT: 23.062 min Scan# 21
Delta R.T. 0.012 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

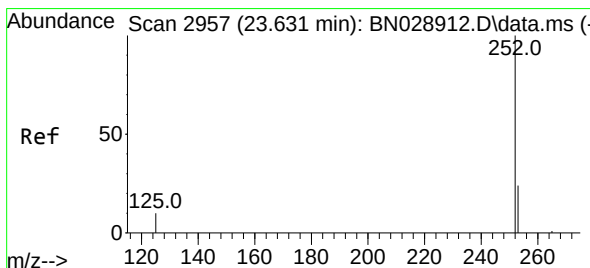
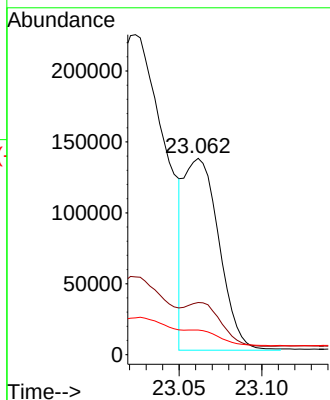
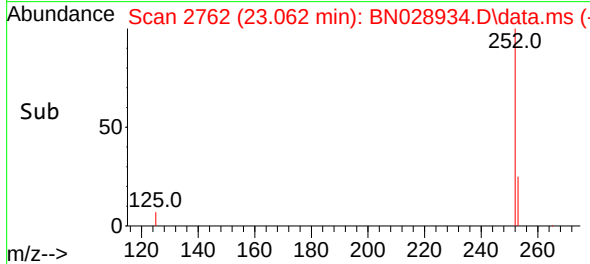
Instrument :
BNA_N
ClientSampleId :
P-2(200FT)(5-10)



Tgt Ion:252 Resp: 199070
Ion Ratio Lower Upper
252 100
253 26.6 95.2 142.8#
125 12.6 24.3 36.5#

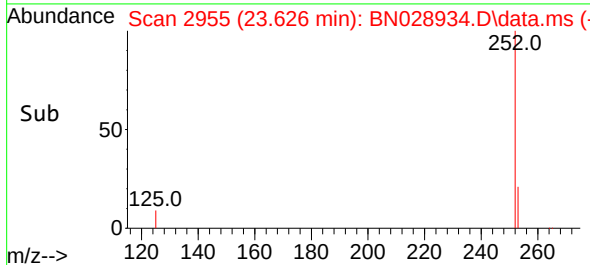
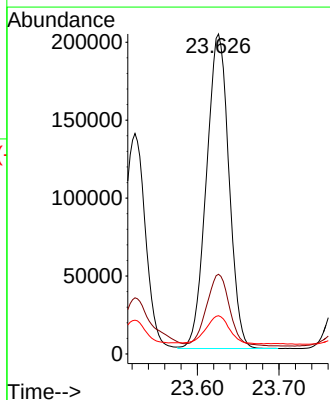
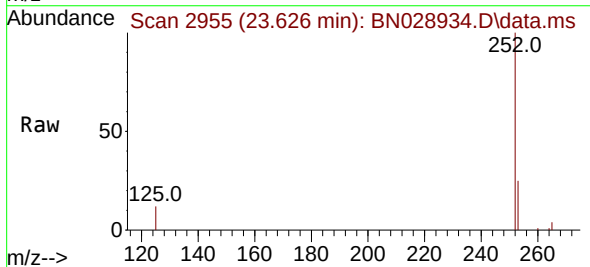
Manual Integrations
APPROVED

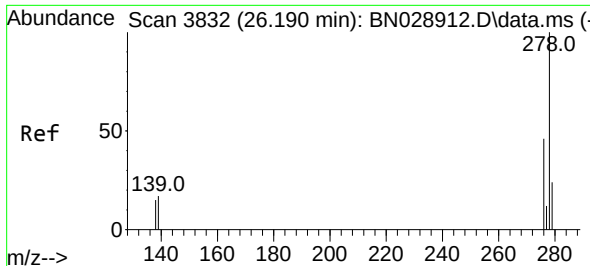
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#39
Benzo(a)pyrene
Concen: 17.559 ng
RT: 23.626 min Scan# 2955
Delta R.T. 0.021 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

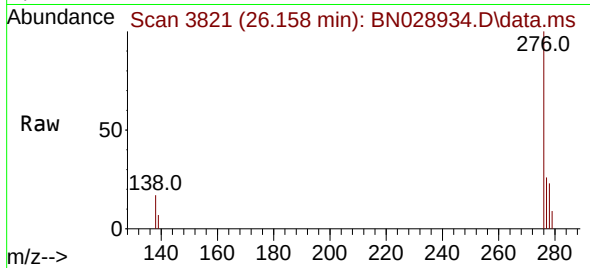
Tgt Ion:252 Resp: 386576
Ion Ratio Lower Upper
252 100
253 24.9 110.2 165.4#
125 12.0 27.0 40.4#





#40
Dibenzo(a,h)anthracene
Concen: 3.084 ng
RT: 26.158 min Scan# 3821
Delta R.T. 0.018 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57

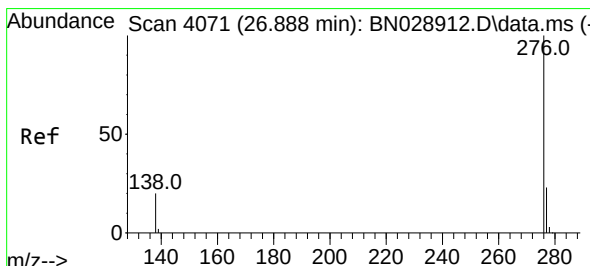
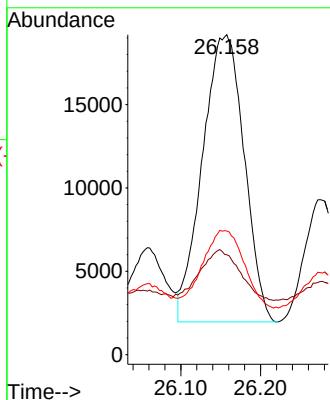
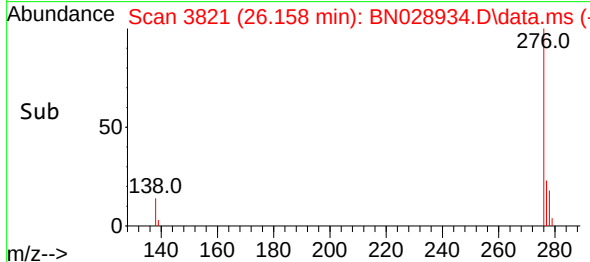
Instrument :
BNA_N
ClientSampleId :
P-2(200FT)(5-10)



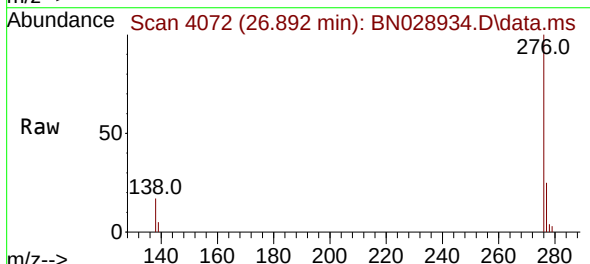
Tgt Ion:278 Resp: 6266
Ion Ratio Lower Upper
278 100
139 31.2 22.6 33.8
279 38.7 102.6 153.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#41
Benzo(g,h,i)perylene
Concen: 13.671 ng
RT: 26.892 min Scan# 4072
Delta R.T. 0.050 min
Lab File: BN028934.D
Acq: 01 Dec 2023 05:57



Tgt Ion:276 Resp: 312436
Ion Ratio Lower Upper
276 100
277 25.4 28.9 43.3#
138 17.0 36.2 54.2#

