

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
 Data File : BN029117.D
 Acq On : 08 Dec 2023 08:06
 Operator : MA/JU
 Sample : 05611-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PE-4

Manual Integrations
 APPROVED

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

Quant Time: Dec 08 09:50:08 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	1130	0.400	ng	0.00
7) Naphthalene-d8	10.552	136	2352	0.400	ng	-0.01
13) Acenaphthene-d10	14.396	164	1492	0.400	ng	0.00
19) Phenanthrene-d10	17.146	188	3187	0.400	ng	0.00
29) Chrysene-d12	21.347	240	2052	0.400	ng	# 0.00
35) Perylene-d12	23.658	264	2182	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	731	0.286	ng	0.00
5) Phenol-d6	6.973	99	706	0.231	ng	0.00
8) Nitrobenzene-d5	8.939	82	651	0.229	ng	0.00
11) 2-Methylnaphthalene-d10	12.140	152	916	0.185	ng	0.00
14) 2,4,6-Tribromophenol	15.893	330	264	0.160	ng	0.00
15) 2-Fluorobiphenyl	13.028	172	2003	0.259	ng	0.00
27) Fluoranthene-d10	19.181	212	1686	0.168	ng	0.00
31) Terphenyl-d14	19.785	244	1284	0.247	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.594	128	678	0.092	ng	# 79
12) 2-Methylnaphthalene	12.216	142	520	0.087	ng	96
16) Acenaphthylene	14.118	152	729	0.089	ng	# 96
17) Acenaphthene	14.450	154	981	0.190	ng	98
18) Fluorene	15.444	166	1082	0.132	ng	# 99
25) Phenanthrene	17.184	178	19136	1.799	ng	99
26) Anthracene	17.271	178	5352	0.520	ng	99
28) Fluoranthene	19.209	202	46411	3.173	ng	# 99
30) Pyrene	19.571	202	39515	3.106	ng	# 95
32) Benzo(a)anthracene	21.329	228	20879	2.006	ng	99
33) Chrysene	21.383	228	17696	1.728	ng	96
34) Bis(2-ethylhexyl)phtha...	21.275	149	4269	0.665	ng	# 96
36) Indeno(1,2,3-cd)pyrene	26.026	276	11024	0.991	ng	99
37) Benzo(b)fluoranthene	22.956	252	24497	2.091	ng	94
38) Benzo(k)fluoranthene	22.997	252	9632m	0.877	ng	
39) Benzo(a)pyrene	23.556	252	17331	1.788	ng	92
40) Dibenzo(a,h)anthracene	26.044	278	2823	0.329	ng	# 75
41) Benzo(g,h,i)perylene	26.757	276	9981	1.063	ng	# 97

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

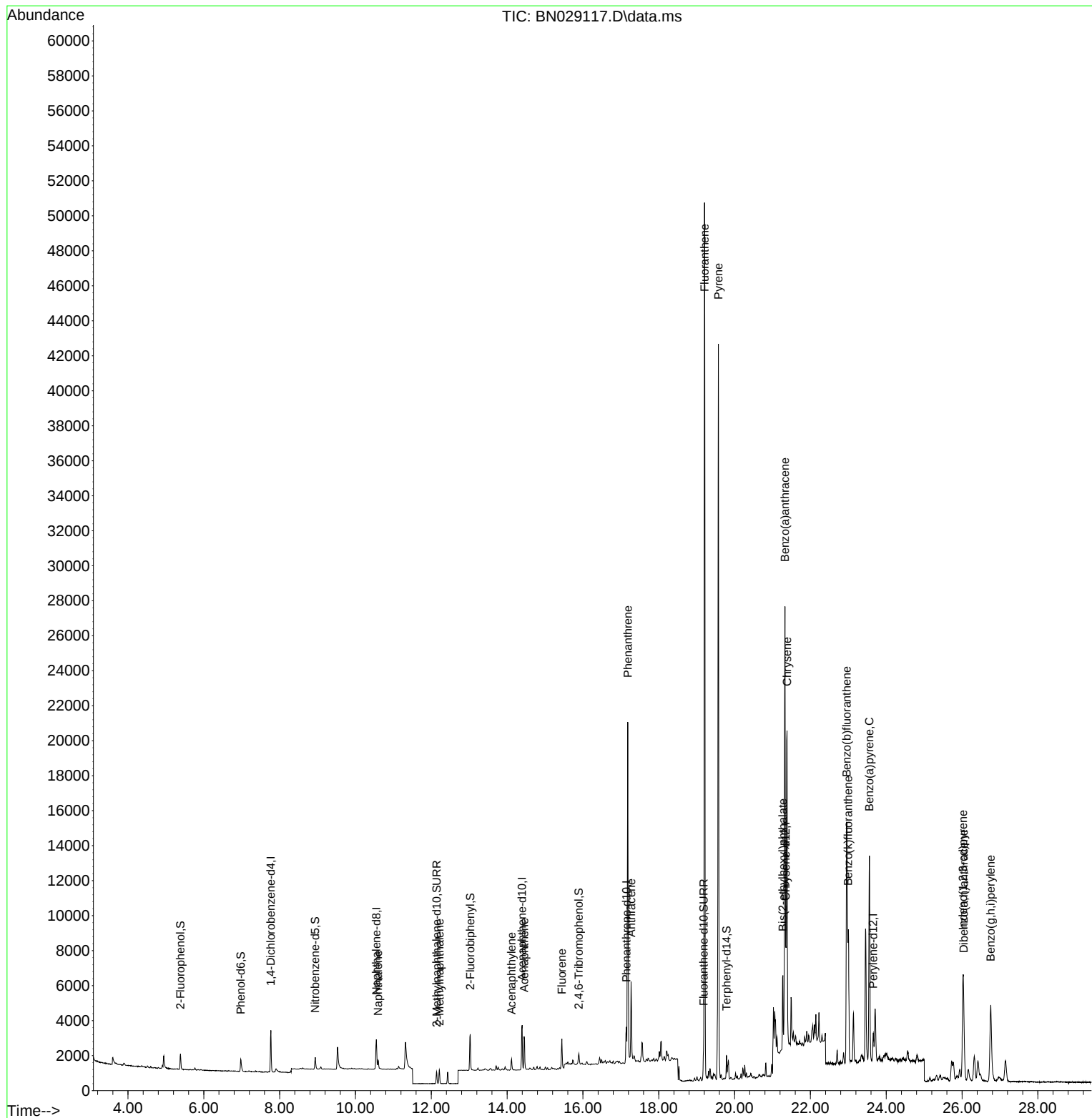
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
Data File : BN029117.D
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APPROVED

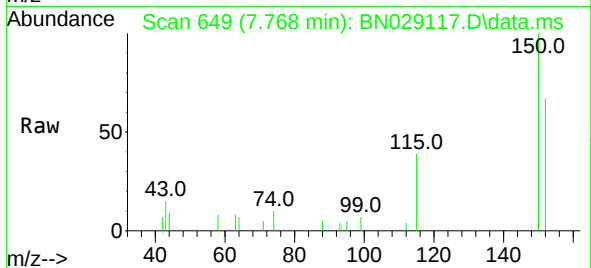
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 649
Delta R.T. -0.007 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

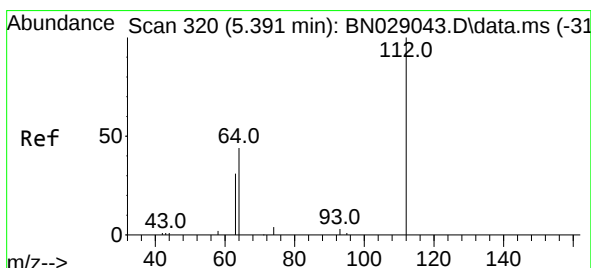
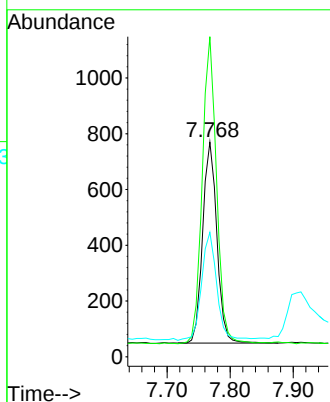
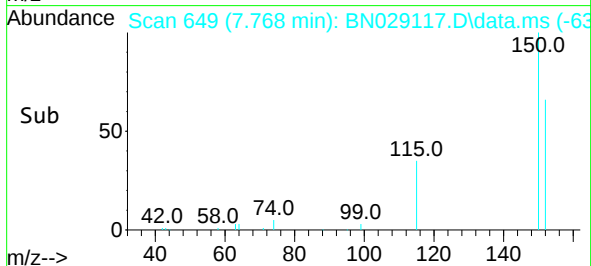
Instrument :
BNA_N
ClientSampleId :
PE-4



Tgt Ion:152 Resp: 1130
Ion Ratio Lower Upper
152 100
150 149.1 116.2 174.4
115 57.9 45.1 67.7

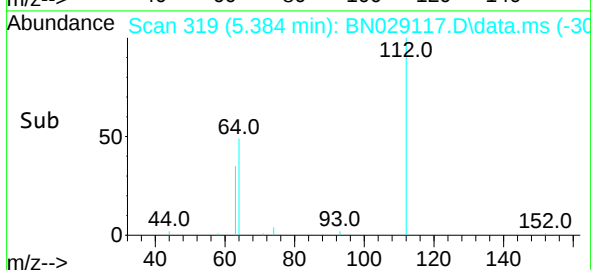
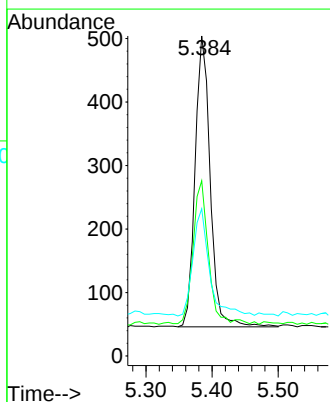
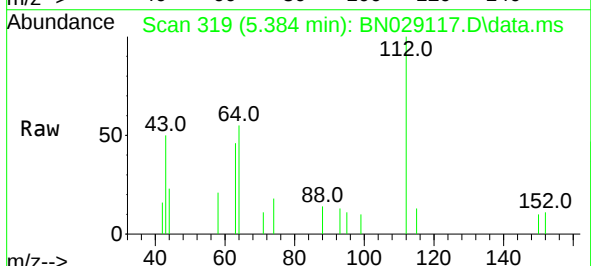
Manual Integrations
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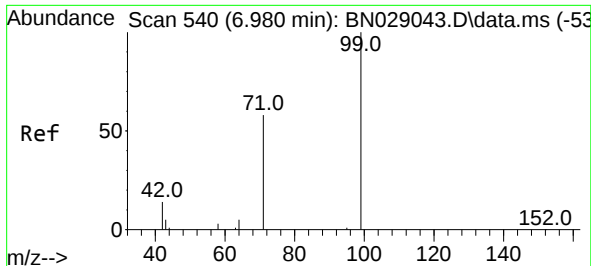
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#4
2-Fluorophenol
Concen: 0.286 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.007 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

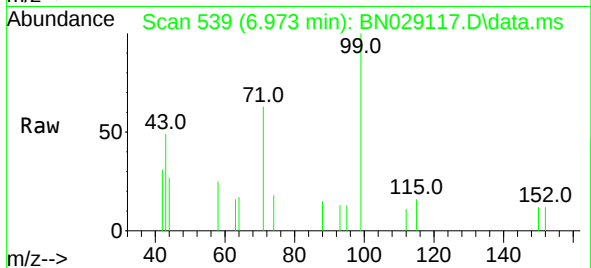
Tgt Ion:112 Resp: 731
Ion Ratio Lower Upper
112 100
64 49.4 37.0 55.6
63 40.1 29.0 43.6





#5
Phenol-d6
Concen: 0.231 ng
RT: 6.973 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

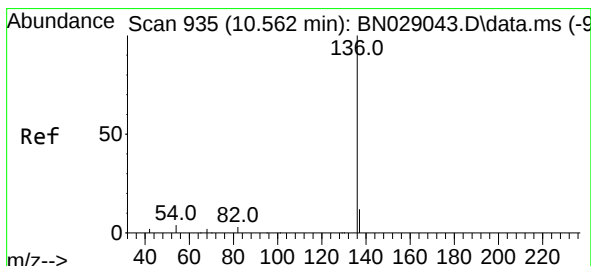
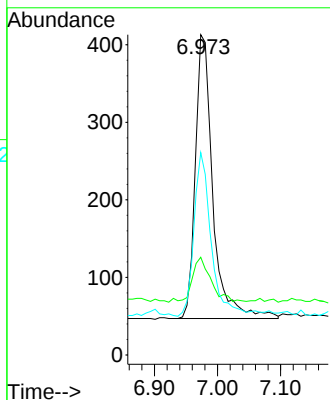
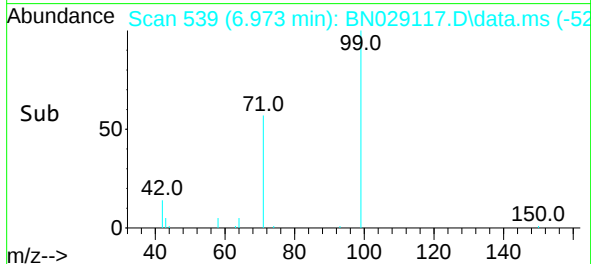
Instrument :
BNA_N
ClientSampleId :
PE-4



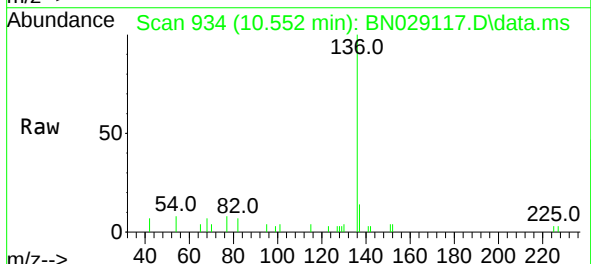
Tgt Ion: 99 Resp: 700
Ion Ratio Lower Upper
99 100
42 17.1 13.4 20.2
71 56.5 47.8 71.6

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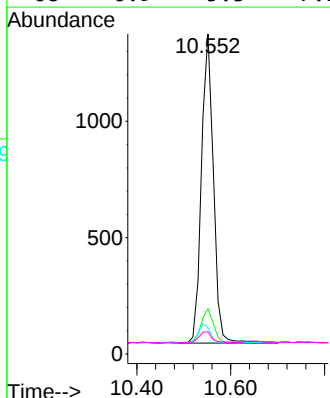
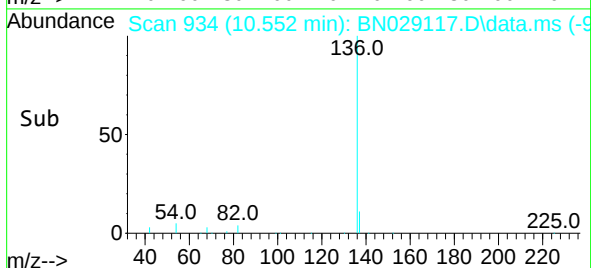
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

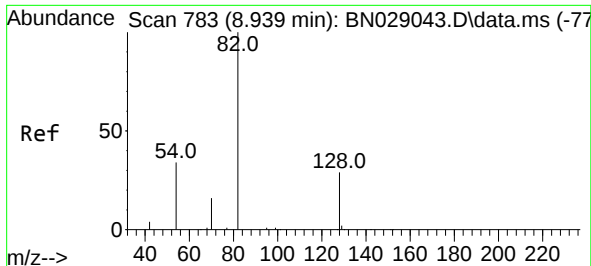


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.552 min Scan# 934
Delta R.T. -0.011 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06



Tgt Ion:136 Resp: 2352
Ion Ratio Lower Upper
136 100
137 14.1 11.9 17.9
54 8.3 6.4 9.6
68 6.9 5.3 7.9





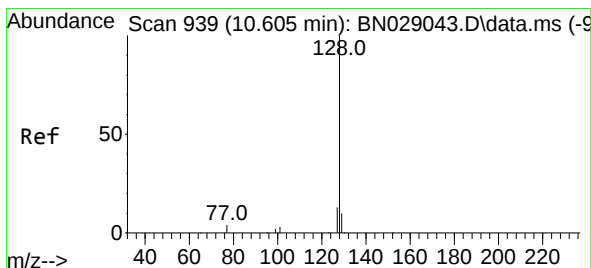
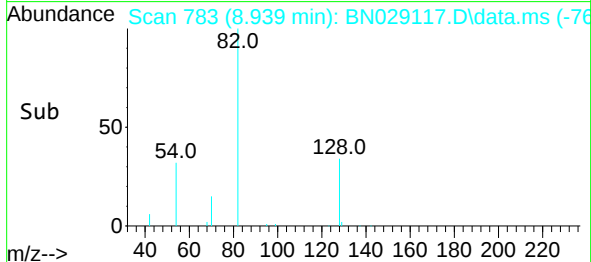
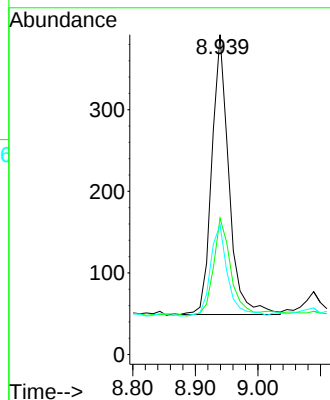
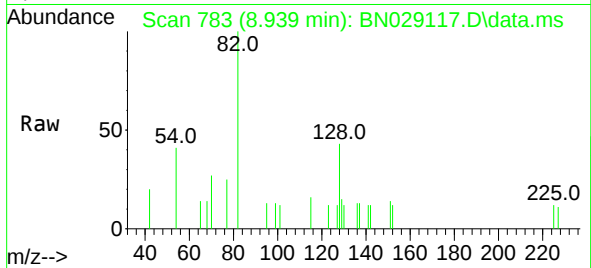
#8
Nitrobenzene-d5
Concen: 0.229 ng
RT: 8.939 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

Instrument :
BNA_N
ClientSampleId :
PE-4

Tgt Ion: 82 Resp: 65
Ion Ratio Lower Upper
82 100
128 42.6 28.2 42.4#
54 40.6 32.1 48.1

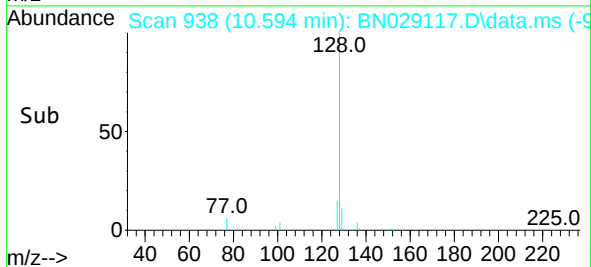
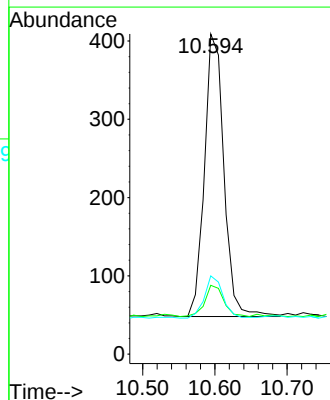
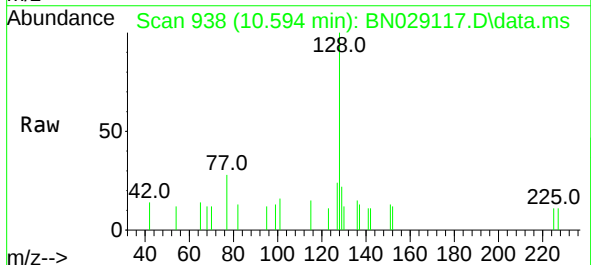
Manual Integrations
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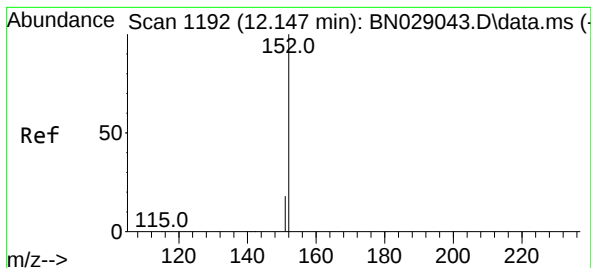
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#9
Naphthalene
Concen: 0.092 ng
RT: 10.594 min Scan# 938
Delta R.T. -0.011 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

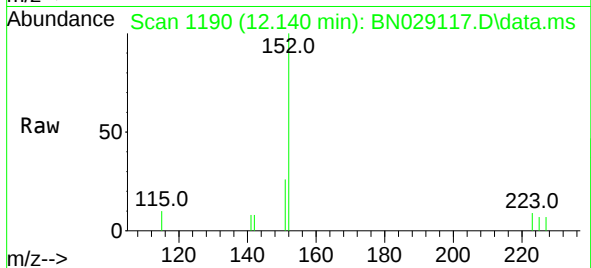
Tgt Ion:128 Resp: 678
Ion Ratio Lower Upper
128 100
129 21.5 10.5 15.7#
127 24.4 12.5 18.7#





#11
2-Methylnaphthalene-d10
Concen: 0.185 ng
RT: 12.140 min Scan# 1190
Delta R.T. -0.007 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

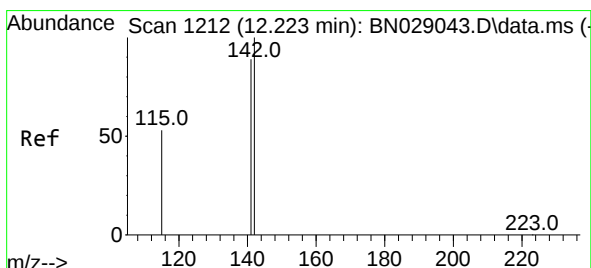
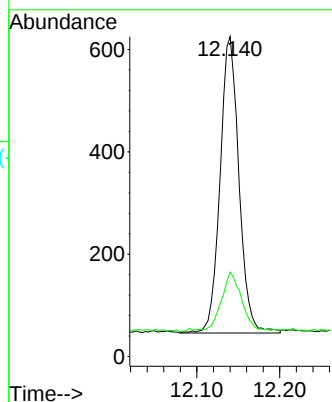
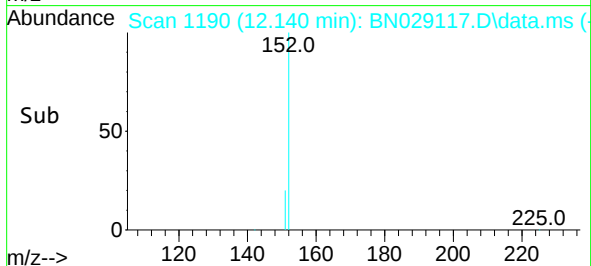
Instrument :
BNA_N
ClientSampleId :
PE-4



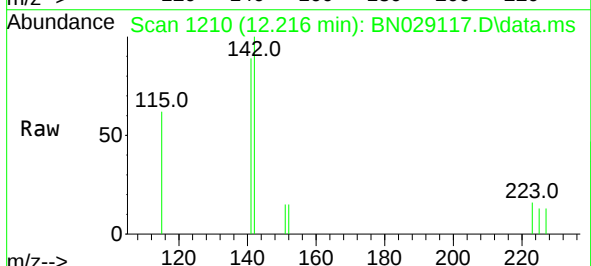
Tgt Ion:152 Resp: 910
Ion Ratio Lower Upper
152 100
151 21.4 17.4 26.0

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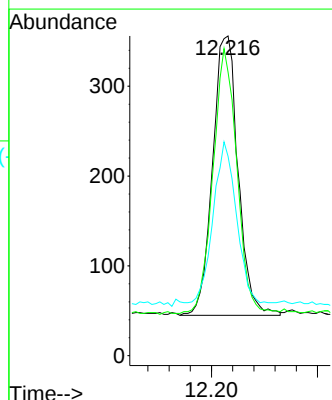
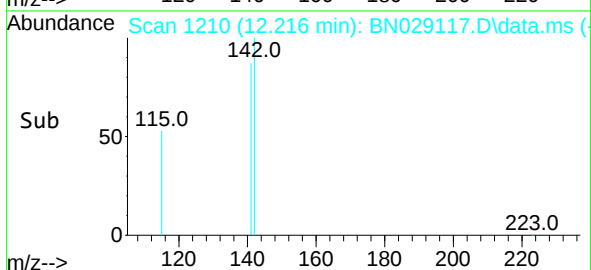
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

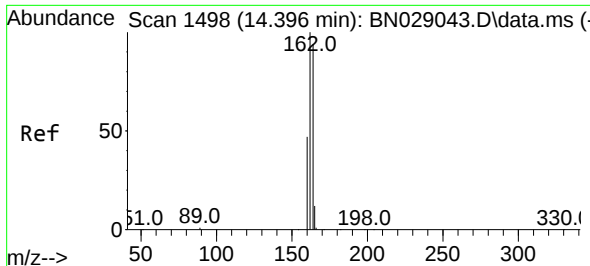


#12
2-Methylnaphthalene
Concen: 0.087 ng
RT: 12.216 min Scan# 1210
Delta R.T. -0.007 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06



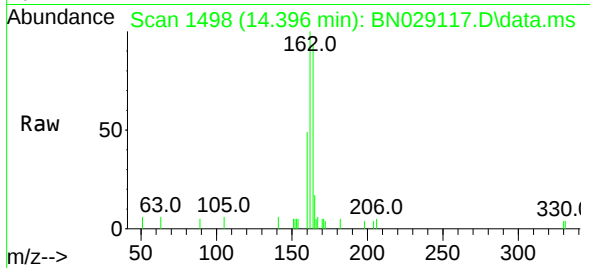
Tgt Ion:142 Resp: 520
Ion Ratio Lower Upper
142 100
141 88.8 71.1 106.7
115 62.4 44.6 66.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.396 min Scan# 1498
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

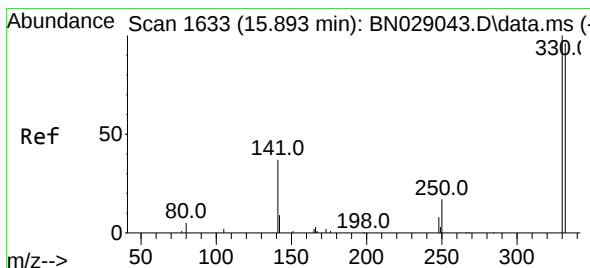
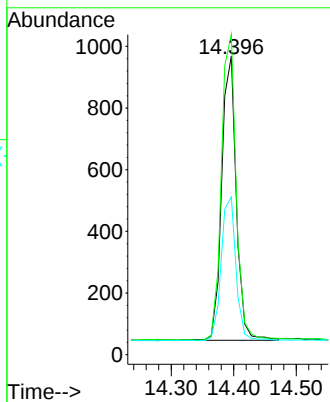
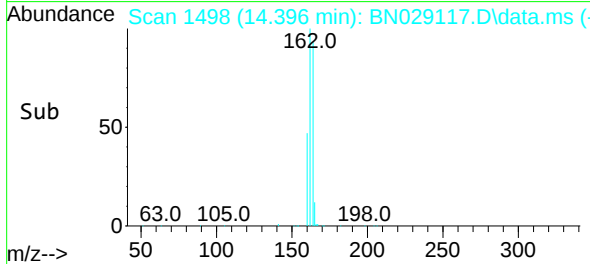
Instrument :
BNA_N
ClientSampleId :
PE-4



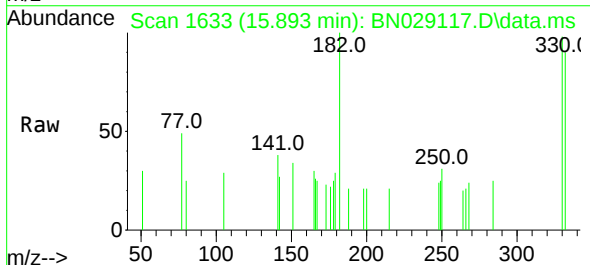
Tgt Ion:164 Resp: 1492
Ion Ratio Lower Upper
164 100
162 107.2 85.0 127.6
160 52.9 41.3 61.9

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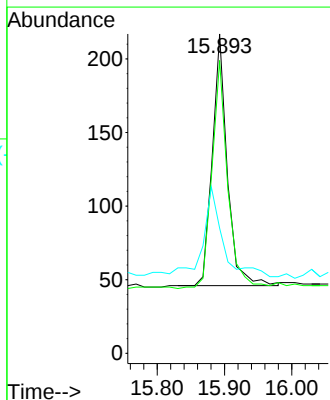
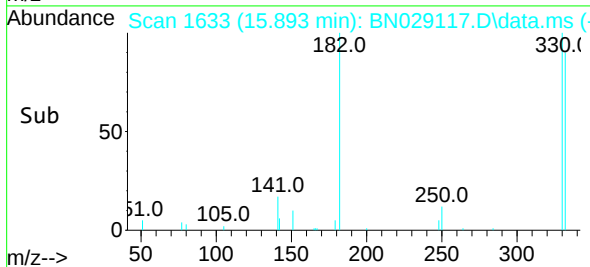
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

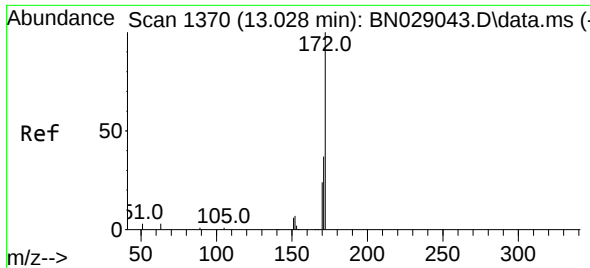


#14
2,4,6-Tribromophenol
Concen: 0.160 ng
RT: 15.893 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06



Tgt Ion:330 Resp: 264
Ion Ratio Lower Upper
330 100
332 95.5 78.8 118.2
141 45.8 28.7 43.1#





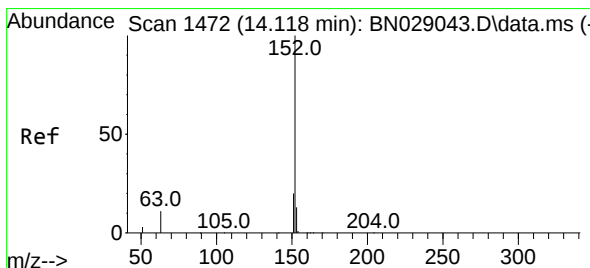
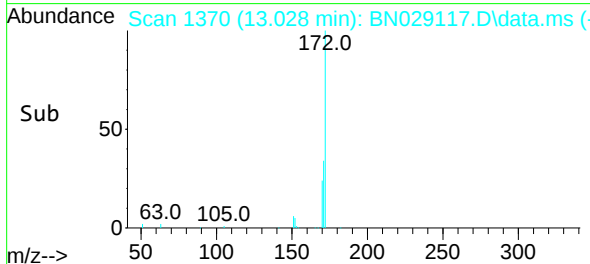
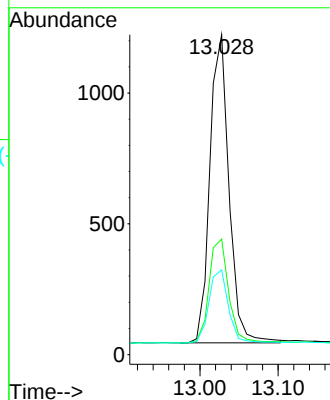
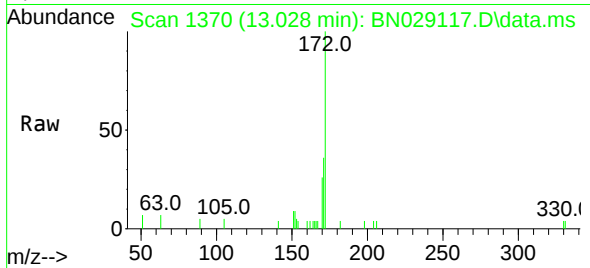
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2-Fluorobiphenyl
Concen: 0.259 ng
RT: 13.028 min Scan# 1370
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

Instrument :
BNA_N
ClientSampleId :
PE-4

Tgt Ion:	172	Resp:	200
Ion Ratio	Lower	Upper	
172	100		
171	36.1	30.1	45.1
170	26.5	20.3	30.5

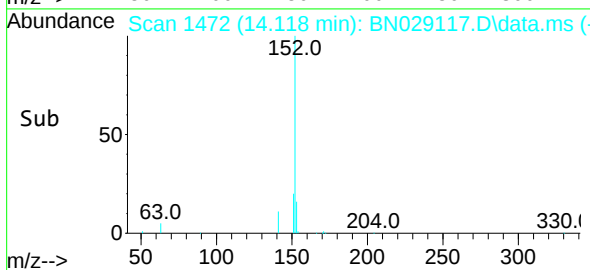
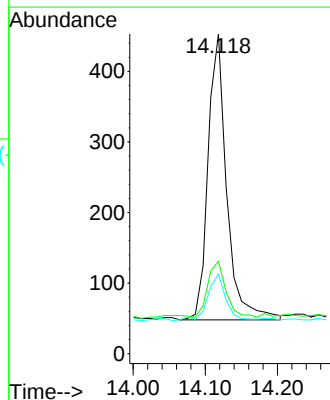
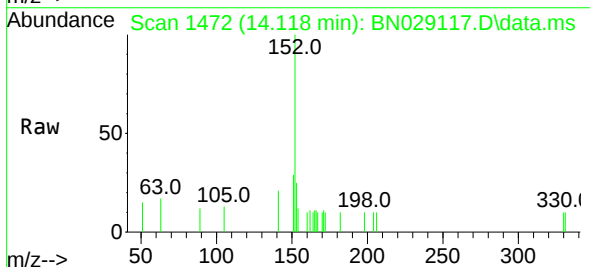
Manual Integrations
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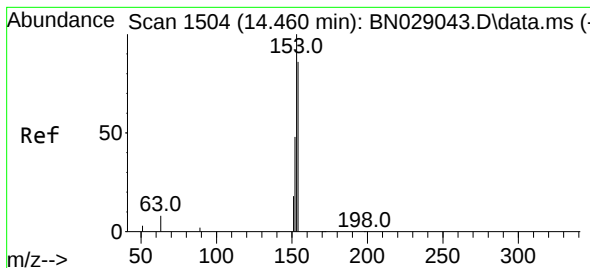
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#16
Acenaphthylene
Concen: 0.089 ng
RT: 14.118 min Scan# 1472
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

Tgt Ion:	152	Resp:	729
Ion Ratio	Lower	Upper	
152	100		
151	19.1	15.8	23.6
153	15.6	10.3	15.5





#17

Acenaphthene

Concen: 0.190 ng

RT: 14.450 min Scan# 1503

Delta R.T. -0.011 min

Lab File: BN029117.D

Acq: 08 Dec 2023 08:06

Instrument :

BNA_N

ClientSampleId :

PE-4

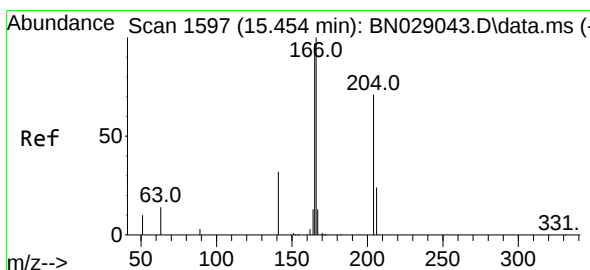
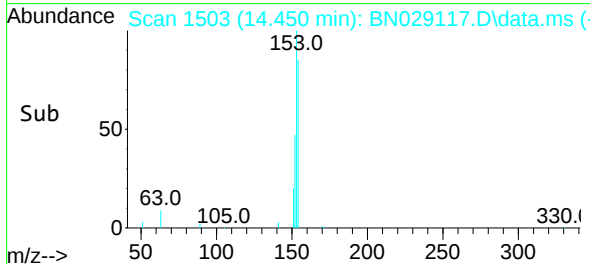
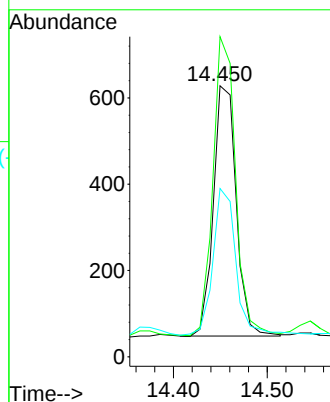
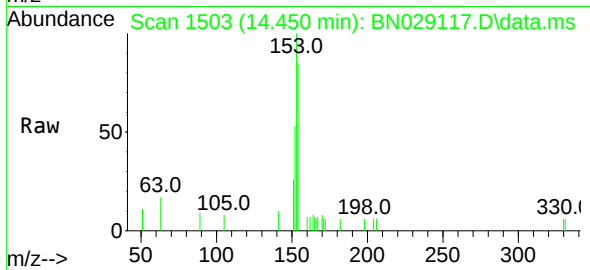
Tgt Ion:	154	Resp:	98
Ion	Ratio	Lower	Upper
154	100		
153	117.3	93.0	139.6
152	59.3	44.2	66.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/08/2023

Supervised By :mohammad ahmed 12/08/2023



#18

Fluorene

Concen: 0.132 ng

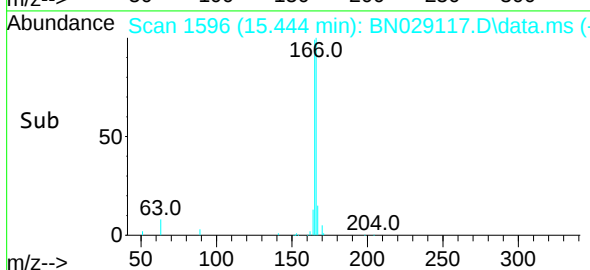
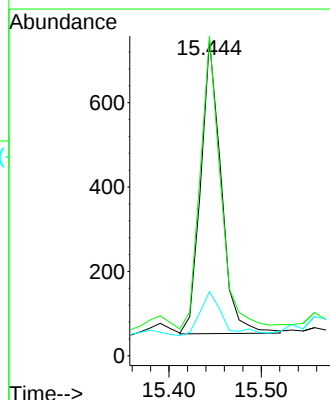
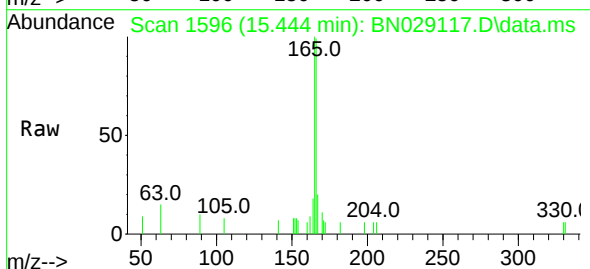
RT: 15.444 min Scan# 1596

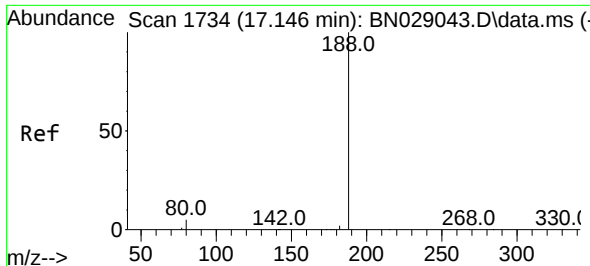
Delta R.T. -0.011 min

Lab File: BN029117.D

Acq: 08 Dec 2023 08:06

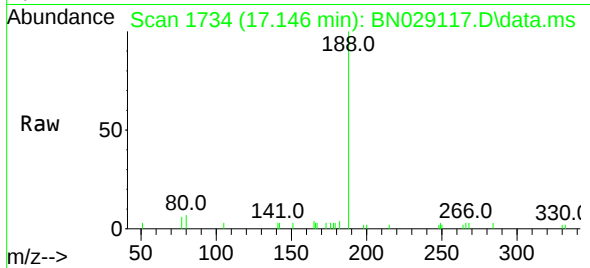
Tgt Ion:	166	Resp:	1082
Ion	Ratio	Lower	Upper
166	100		
165	100.0	80.2	120.4
167	16.7	11.0	16.4





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.146 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

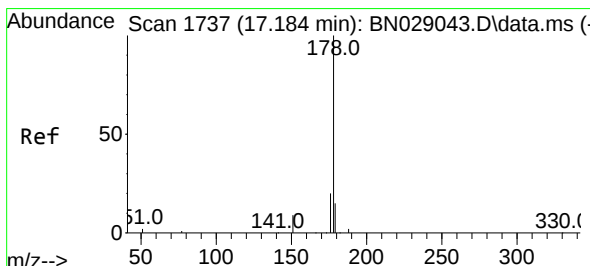
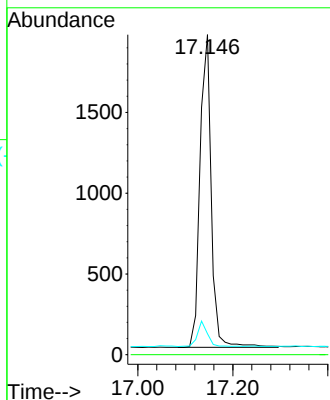
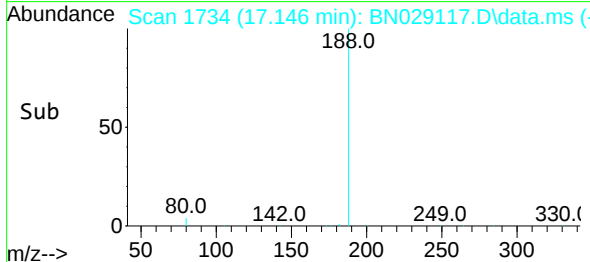
Instrument :
BNA_N
ClientSampleId :
PE-4



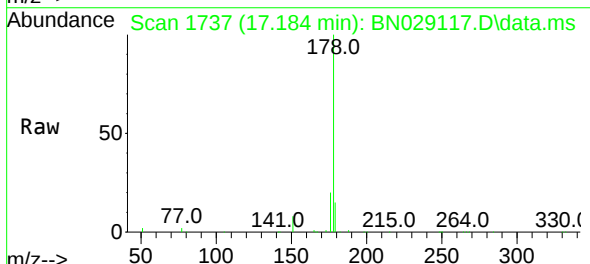
Tgt Ion:188 Resp: 318
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.6 5.4 8.0

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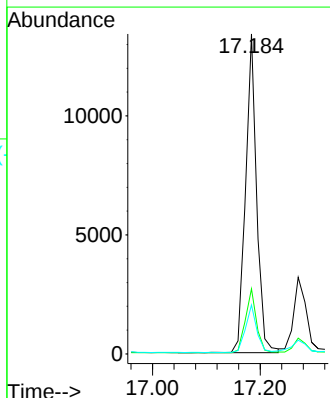
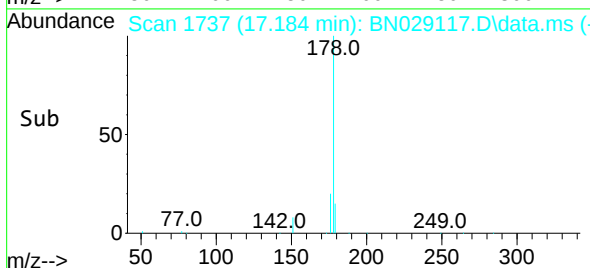
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

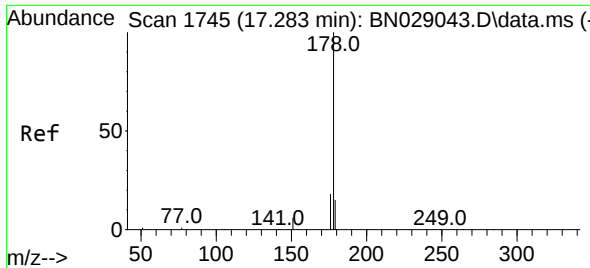


#25
Phenanthrene
Concen: 1.799 ng
RT: 17.184 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06



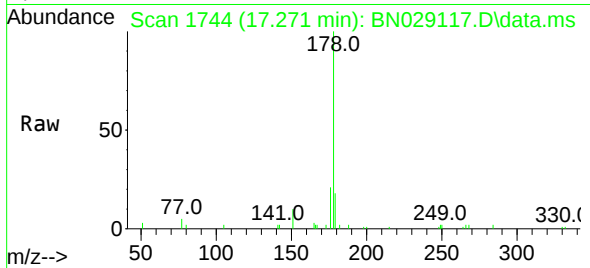
Tgt Ion:178 Resp: 19136
Ion Ratio Lower Upper
178 100
176 20.1 15.6 23.4
179 15.2 12.6 18.8





#26
 Anthracene
 Concen: 0.520 ng
 RT: 17.271 min Scan# 1744
 Delta R.T. -0.012 min
 Lab File: BN029117.D
 Acq: 08 Dec 2023 08:06

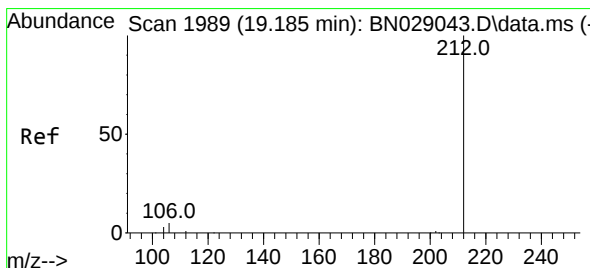
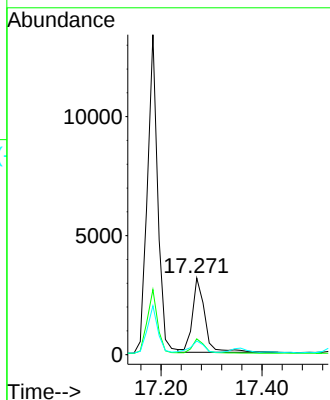
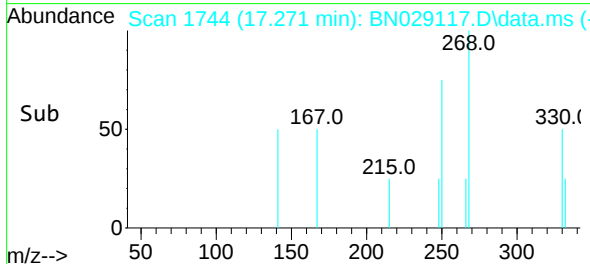
Instrument :
 BNA_N
 ClientSampleId :
 PE-4



Tgt Ion:178 Resp: 5352
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.0 22.4
 179 15.6 12.6 19.0

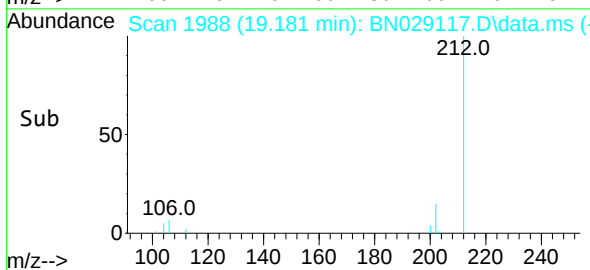
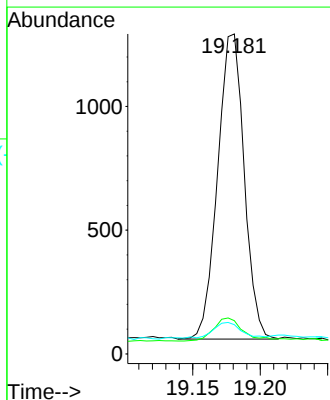
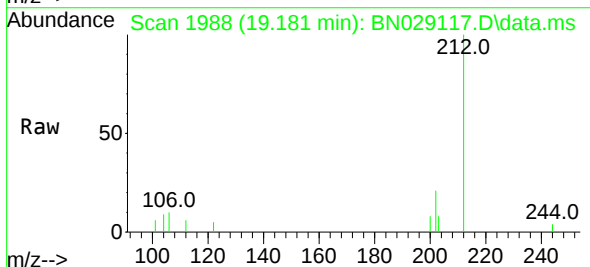
Manual Integrations
 APPROVED

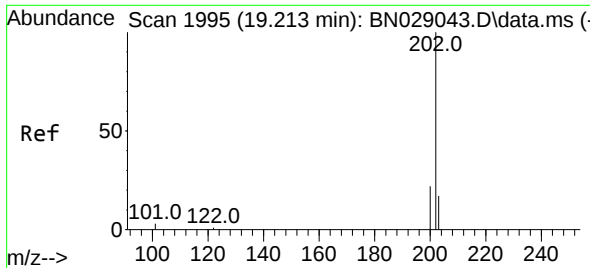
Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/08/2023



#27
 Fluoranthene-d10
 Concen: 0.168 ng
 RT: 19.181 min Scan# 1988
 Delta R.T. -0.005 min
 Lab File: BN029117.D
 Acq: 08 Dec 2023 08:06

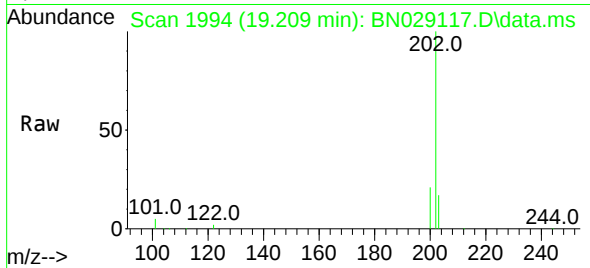
Tgt Ion:212 Resp: 1686
 Ion Ratio Lower Upper
 212 100
 106 8.7 3.9 5.9#
 104 6.6 2.6 3.8#





#28
Fluoranthene
Concen: 3.173 ng
RT: 19.209 min Scan# 1994
Delta R.T. -0.005 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

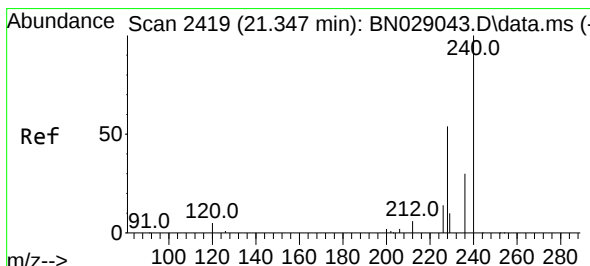
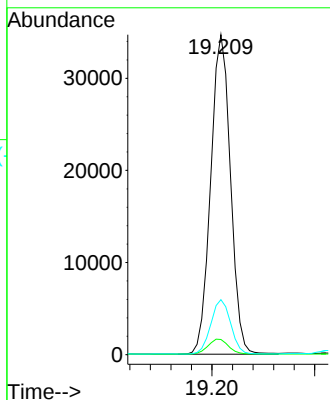
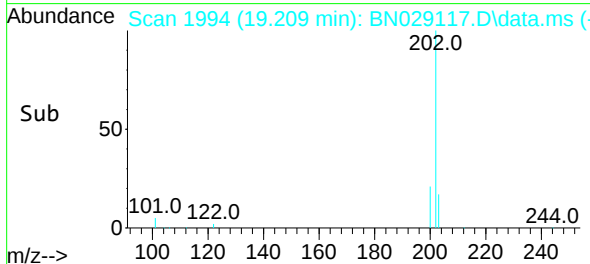
Instrument :
BNA_N
ClientSampleId :
PE-4



Tgt Ion:202 Resp: 4641
Ion Ratio Lower Upper
202 100
101 4.9 3.0 4.6
203 17.1 13.8 20.6

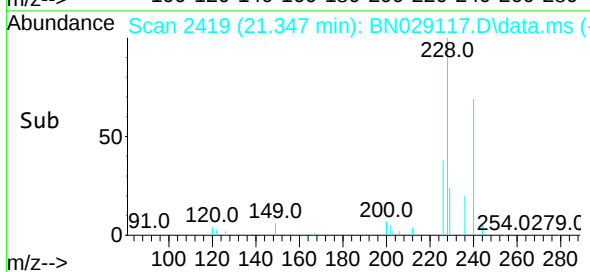
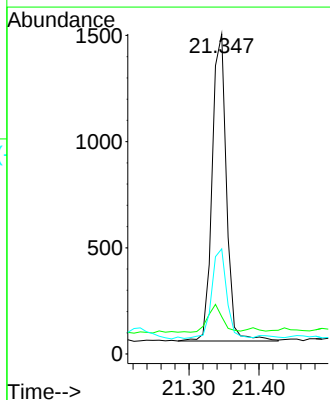
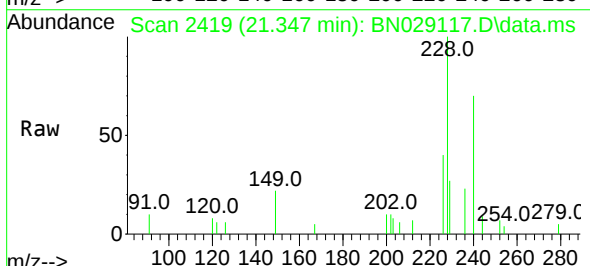
Manual Integrations
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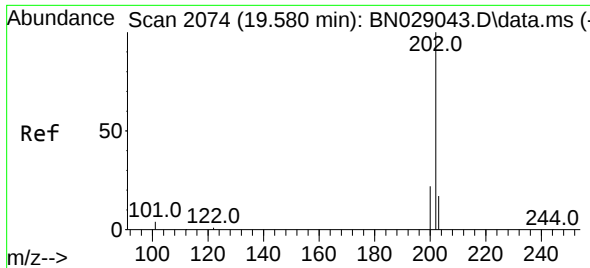
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.347 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

Tgt Ion:240 Resp: 2052
Ion Ratio Lower Upper
240 100
120 11.7 6.7 10.1
236 32.8 25.7 38.5





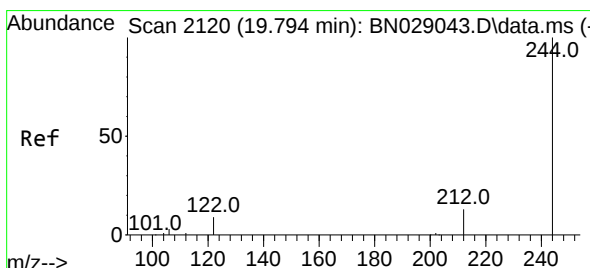
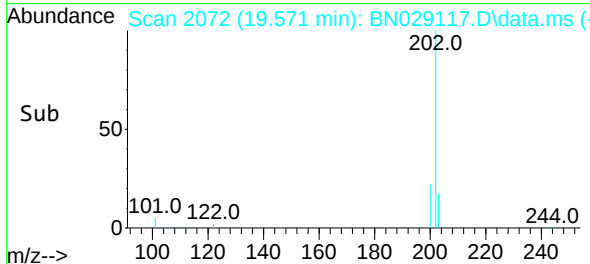
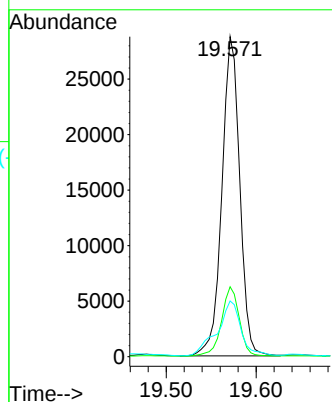
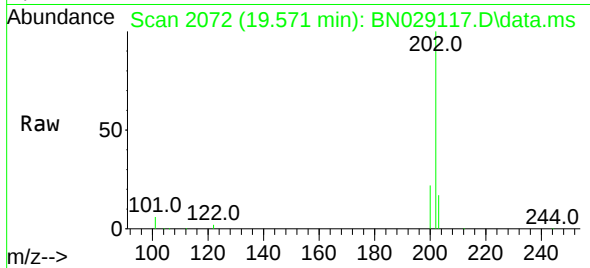
#30
Pyrene
Concen: 3.106 ng
RT: 19.571 min Scan# 2074
Delta R.T. -0.009 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

Instrument :
BNA_N
ClientSampleId :
PE-4

Tgt Ion:202 Resp: 3951
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 22.8 14.2 21.4

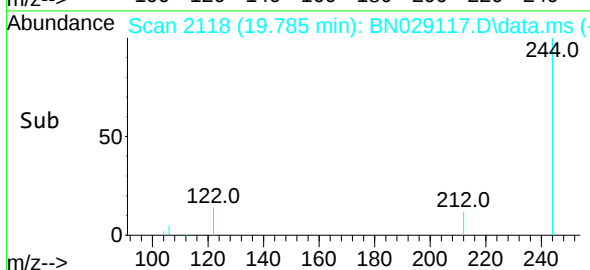
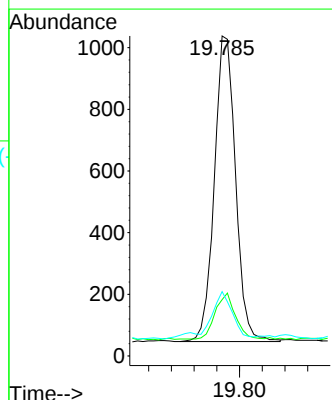
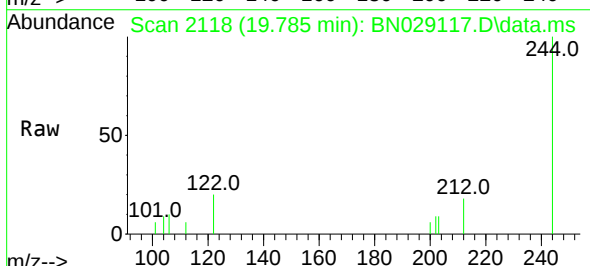
Manual Integrations
APPROVED

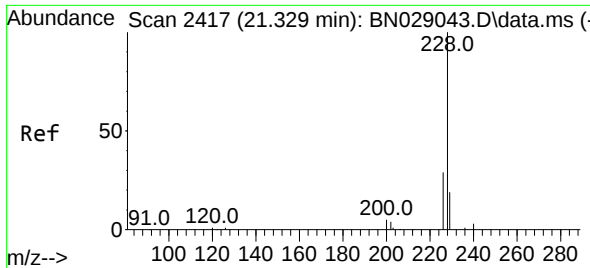
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#31
Terphenyl-d14
Concen: 0.247 ng
RT: 19.785 min Scan# 2118
Delta R.T. -0.009 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

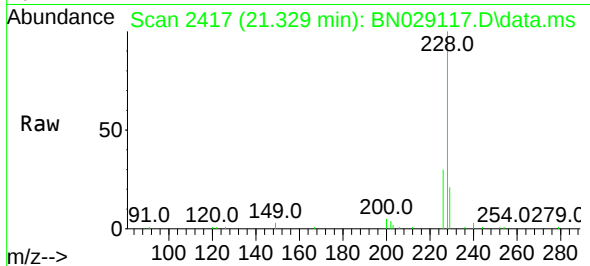
Tgt Ion:244 Resp: 1284
Ion Ratio Lower Upper
244 100
212 17.6 11.6 17.4#
122 20.1 8.2 12.4#





#32
Benzo(a)anthracene
Concen: 2.006 ng
RT: 21.329 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

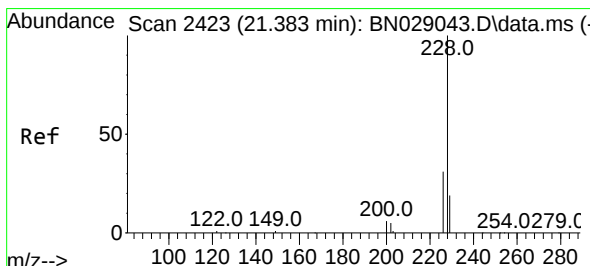
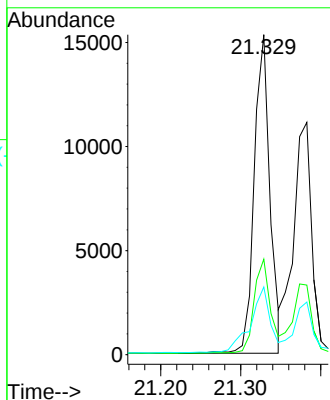
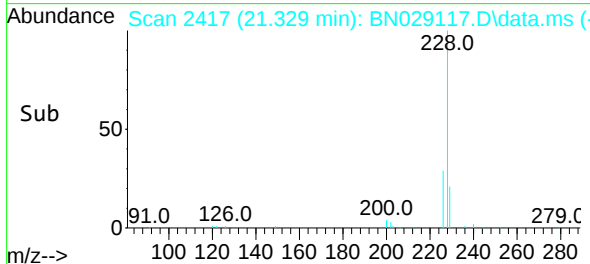
Instrument :
BNA_N
ClientSampleId :
PE-4



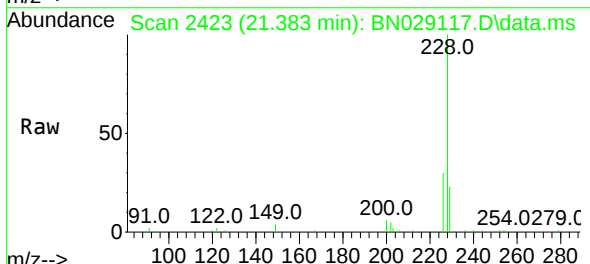
Tgt Ion:228 Resp: 20879
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.6
229 21.2 16.0 24.0

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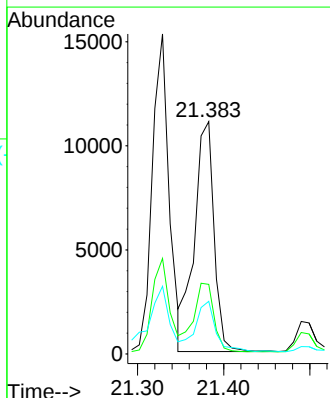
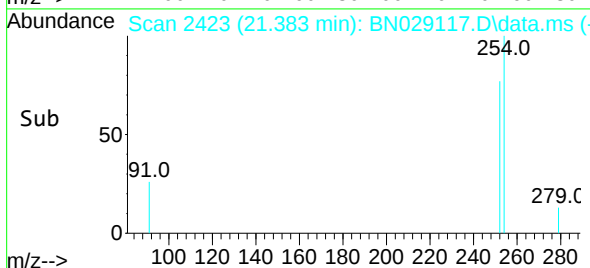
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

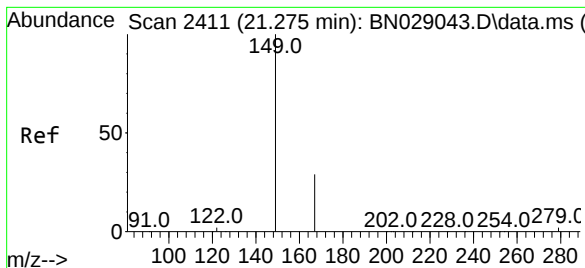


#33
Chrysene
Concen: 1.728 ng
RT: 21.383 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06



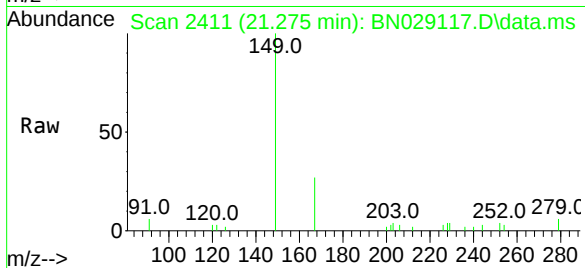
Tgt Ion:228 Resp: 17696
Ion Ratio Lower Upper
228 100
226 30.0 25.4 38.0
229 22.7 16.0 24.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.665 ng
RT: 21.275 min Scan# 2411
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

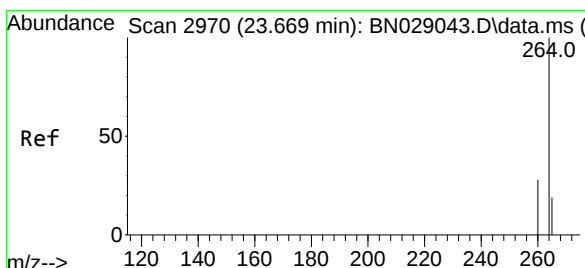
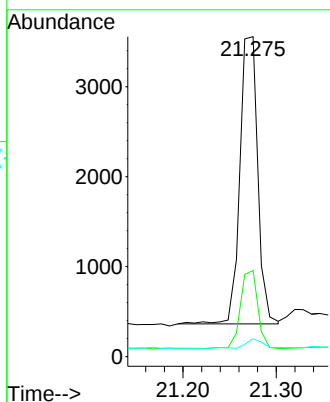
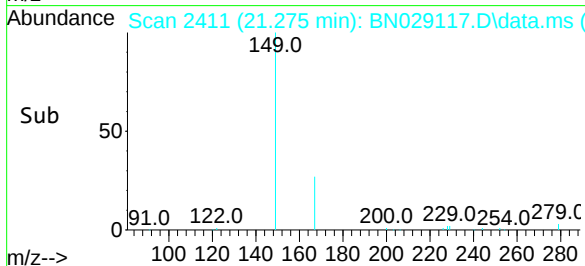
Instrument :
BNA_N
ClientSampleId :
PE-4



Tgt Ion:149 Resp: 4269
Ion Ratio Lower Upper
149 100
167 26.8 23.4 35.2
279 3.3 3.4 5.2

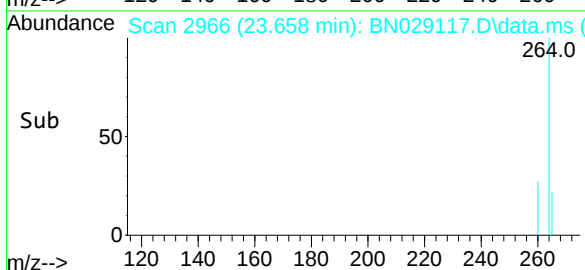
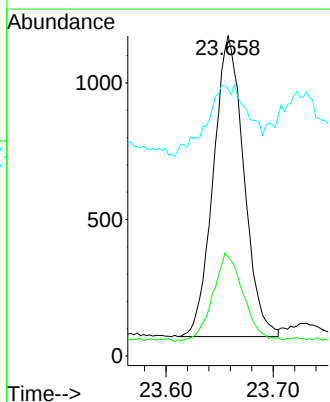
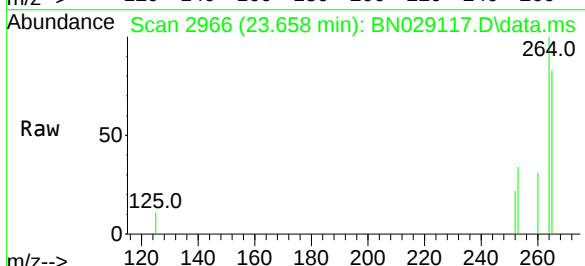
Manual Integrations
APPROVED

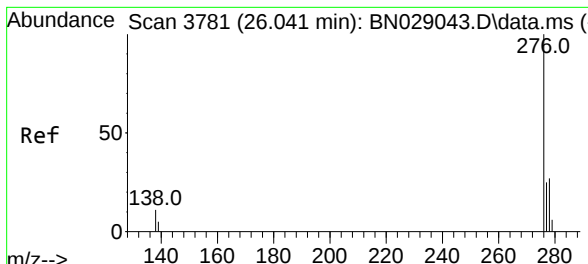
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.658 min Scan# 2966
Delta R.T. -0.012 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

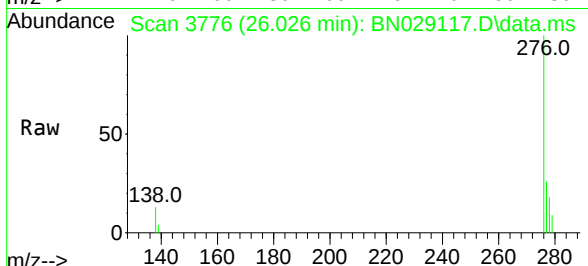
Tgt Ion:264 Resp: 2182
Ion Ratio Lower Upper
264 100
260 31.0 23.9 35.9
265 83.3 52.7 79.1





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.991 ng
 RT: 26.026 min Scan# 31
 Delta R.T. -0.015 min
 Lab File: BN029117.D
 Acq: 08 Dec 2023 08:06

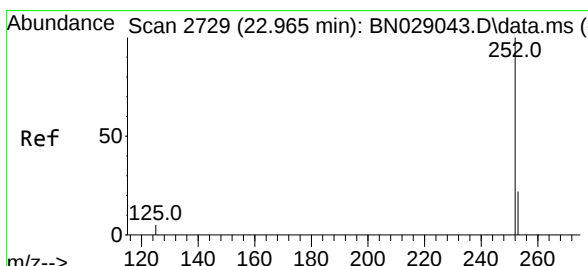
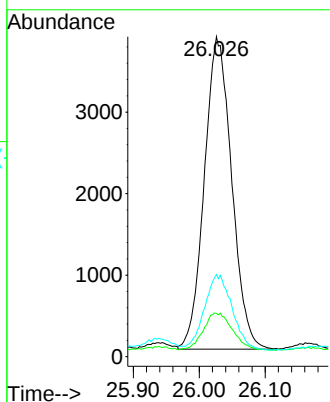
Instrument :
 BNA_N
 ClientSampleId :
 PE-4



Tgt Ion:	276	Resp:	11024
Ion Ratio	Lower	Upper	
276	100		
138	12.2	9.6	14.4
277	24.6	19.4	29.0

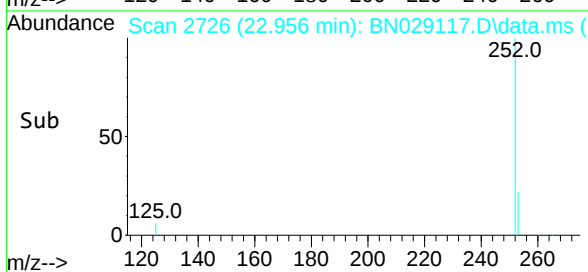
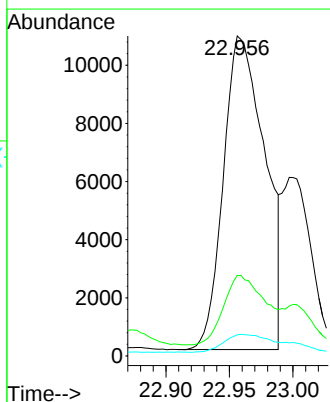
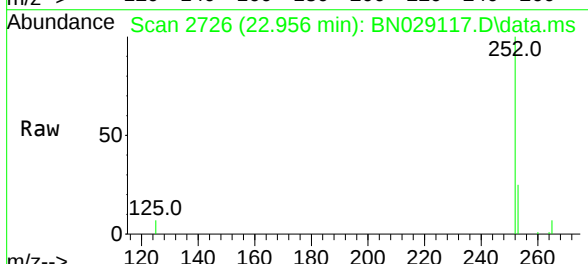
Manual Integrations
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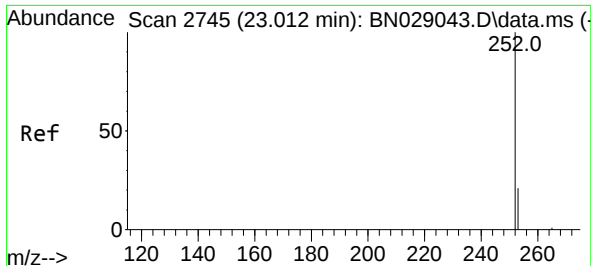
Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/08/2023



#37
 Benzo(b)fluoranthene
 Concen: 2.091 ng
 RT: 22.956 min Scan# 2726
 Delta R.T. -0.009 min
 Lab File: BN029117.D
 Acq: 08 Dec 2023 08:06

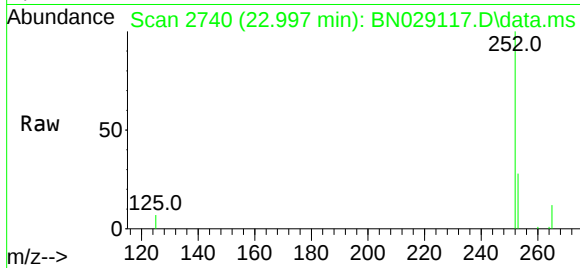
Tgt Ion:	252	Resp:	24497
Ion Ratio	Lower	Upper	
252	100		
253	25.2	23.0	34.6
125	6.6	5.4	8.0





#38
Benzo(k)fluoranthene
Concen: 0.877 ng m
RT: 22.997 min Scan# 21
Delta R.T. -0.015 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

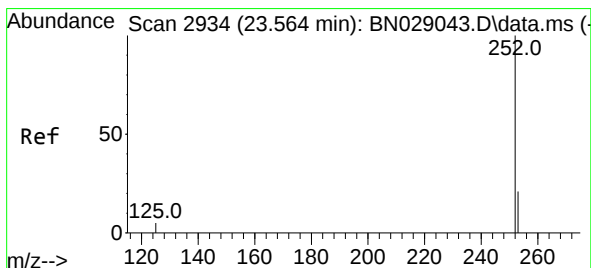
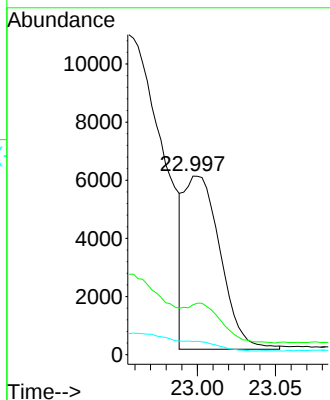
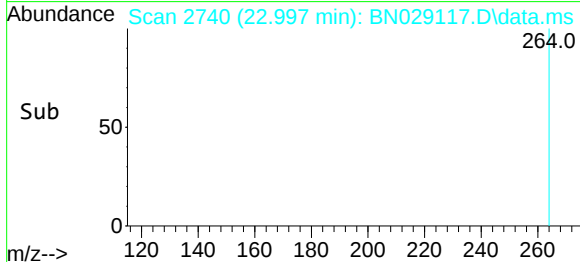
Instrument :
BNA_N
ClientSampleId :
PE-4



Tgt Ion:252 Resp: 963
Ion Ratio Lower Upper
252 100
253 28.0 23.0 34.4
125 7.3 5.0 7.6

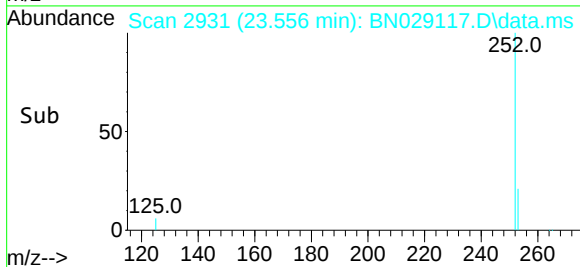
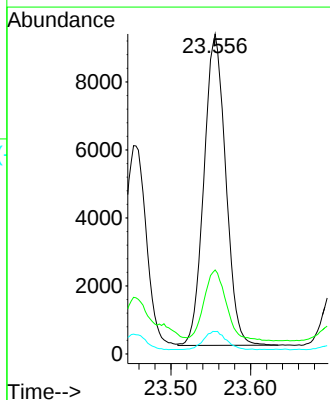
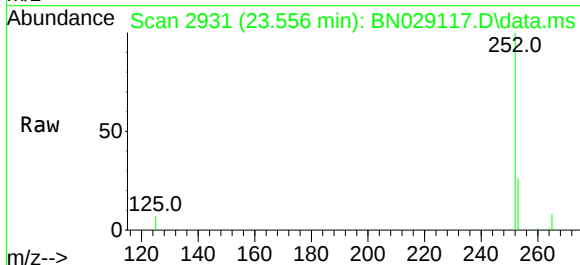
Manual Integrations
APPROVED

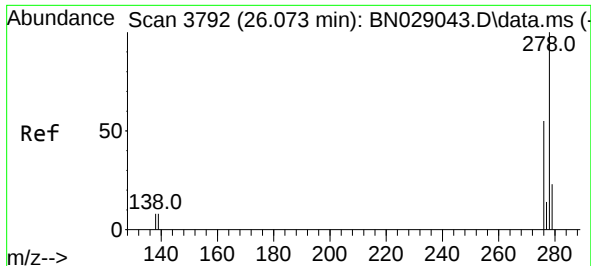
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#39
Benzo(a)pyrene
Concen: 1.788 ng
RT: 23.556 min Scan# 2931
Delta R.T. -0.009 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

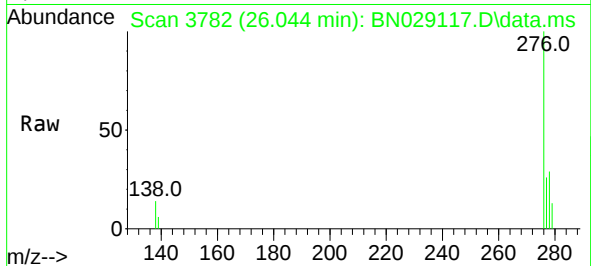
Tgt Ion:252 Resp: 17331
Ion Ratio Lower Upper
252 100
253 26.2 25.3 37.9
125 7.0 6.5 9.7





#40
Dibenzo(a,h)anthracene
Concen: 0.329 ng
RT: 26.044 min Scan# 31
Delta R.T. -0.029 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

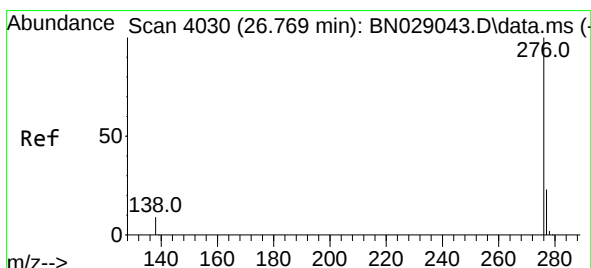
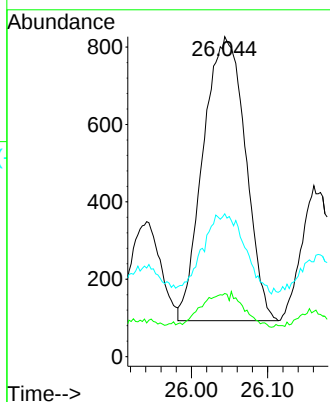
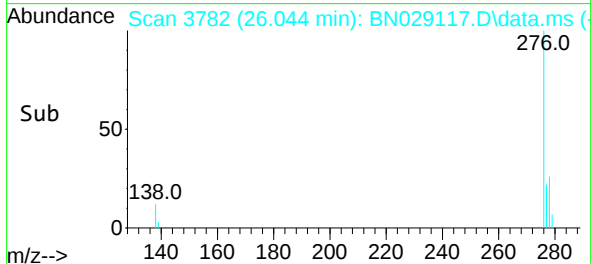
Instrument :
BNA_N
ClientSampleId :
PE-4



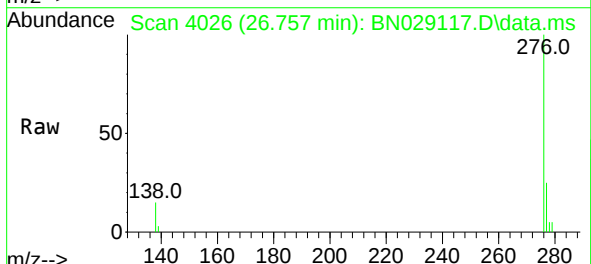
Tgt Ion:278 Resp: 282
Ion Ratio Lower Upper
278 100
139 19.7 9.4 14.2
279 44.6 24.2 36.4

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 1.063 ng
RT: 26.757 min Scan# 4026
Delta R.T. -0.012 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06



Tgt Ion:276 Resp: 9981
Ion Ratio Lower Upper
276 100
277 24.9 20.3 30.5
138 14.9 9.2 13.8

