

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100923\
 Data File : BN028185.D
 Acq On : 10 Oct 2023 06:50
 Operator : MA/JU
 Sample : 04740-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW4

Quant Time: Oct 10 07:18:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 00:42:22 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/11/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	4634	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	13819	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	7034	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	14413	0.400	ng	0.00
29) Chrysene-d12	21.506	240	12905	0.400	ng	# 0.00
35) Perylene-d12	23.969	264	14095	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	1489	0.108	ng	0.00
5) Phenol-d6	7.091	99	1060	0.061	ng	0.00
8) Nitrobenzene-d5	9.123	82	3507	0.298	ng	0.00
11) 2-Methylnaphthalene-d10	12.321	152	6148	0.300	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	891	0.277	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	9183	0.362	ng	0.00
27) Fluoranthene-d10	19.351	212	13133	0.363	ng	0.00
31) Terphenyl-d14	19.936	244	13634	0.453	ng	0.00
Target Compounds						Qvalue
24) Pentachlorophenol	16.959	266	702	0.189	ng	92
25) Phenanthrene	17.356	178	1331	0.034	ng	# 83
26) Anthracene	17.455	178	884	0.024	ng	# 50
28) Fluoranthene	19.379	202	3729	0.083	ng	99
30) Pyrene	19.746	202	3976	0.084	ng	97
32) Benzo(a)anthracene	21.488	228	3358	0.076	ng	# 71
33) Chrysene	21.551	228	3735	0.088	ng	# 79
34) Bis(2-ethylhexyl)phtha...	21.363	149	5949	0.206	ng	# 95
36) Indeno(1,2,3-cd)pyrene	26.545	276	3348	0.071	ng	99
37) Benzo(b)fluoranthene	23.209	252	6646	0.146	ng	# 57
38) Benzo(k)fluoranthene	23.256	252	2225m	0.048	ng	
39) Benzo(a)pyrene	23.855	252	3121	0.073	ng	# 34
41) Benzo(g,h,i)perylene	27.355	276	3536	0.089	ng	# 80

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

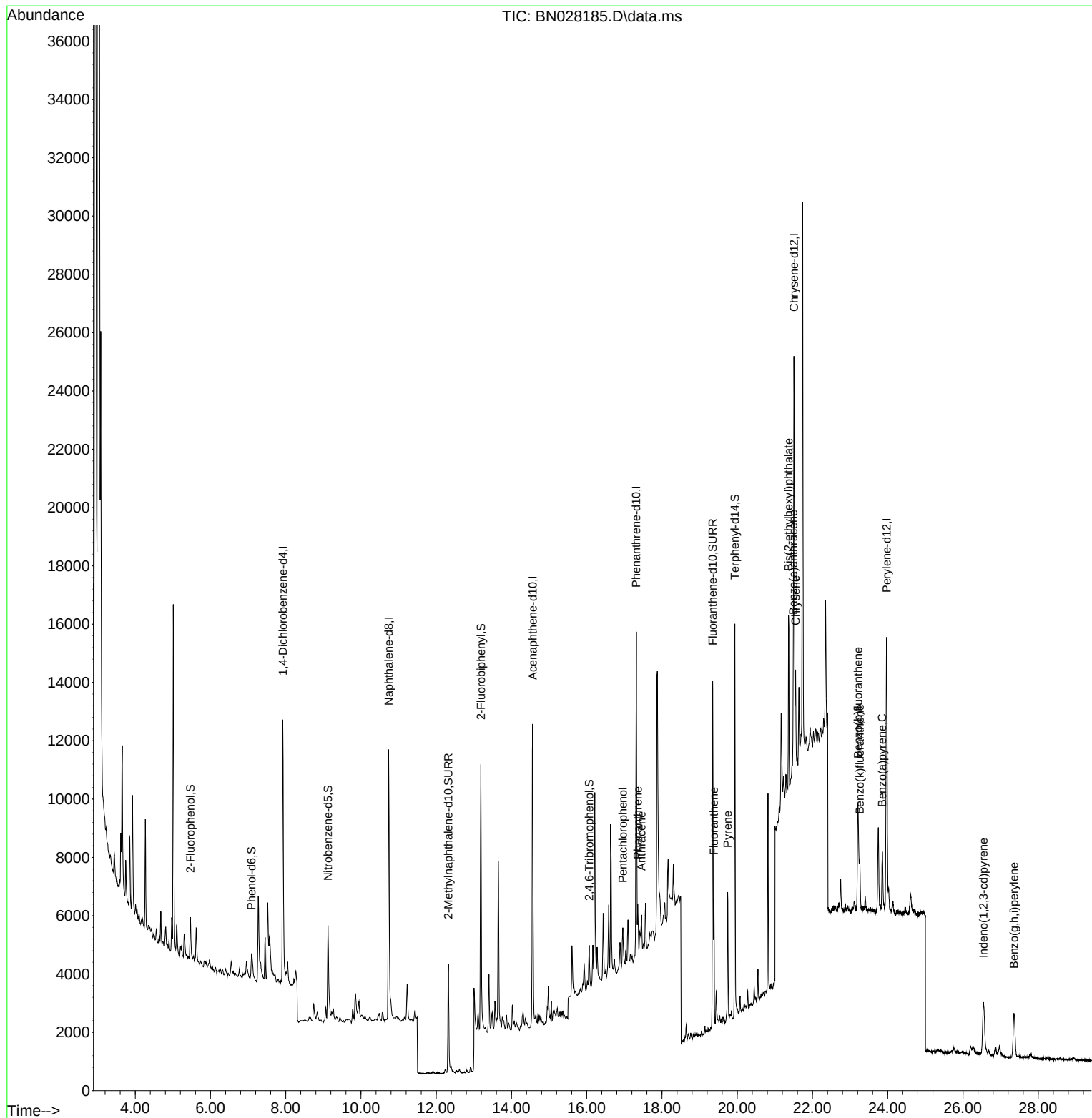
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100923\
Data File : BN028185.D
Acq On : 10 Oct 2023 06:50
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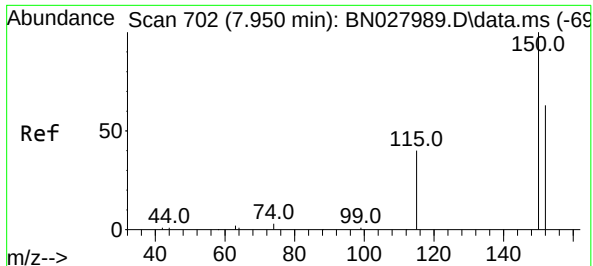
Instrument :
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Quant Time: Oct 10 07:18:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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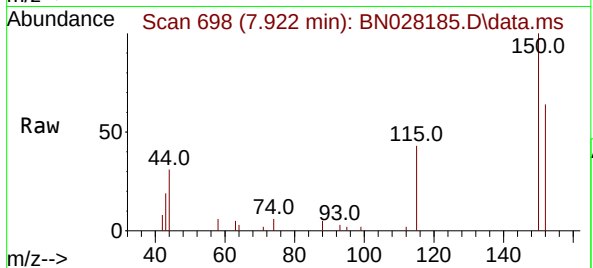
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

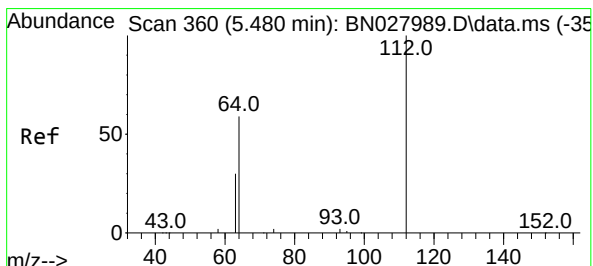
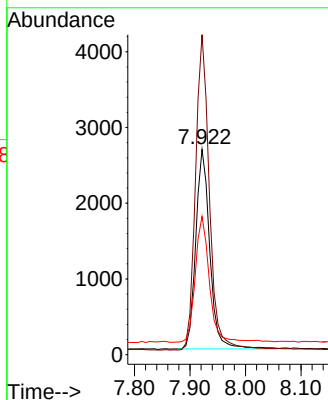
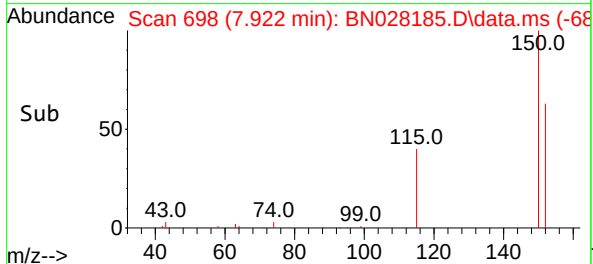
Instrument :
BNA_N
ClientSampleId :
RW4



Tgt Ion:152 Resp: 4634
Ion Ratio Lower Upper
152 100
150 155.9 125.6 188.4
115 67.4 54.8 82.2

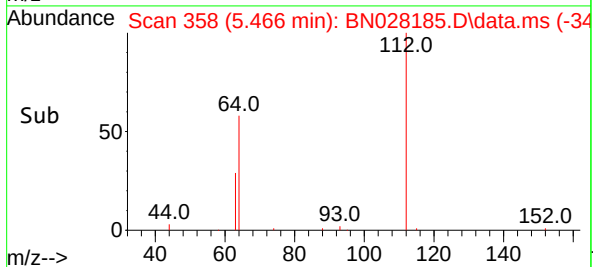
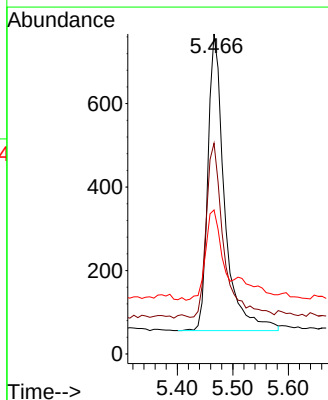
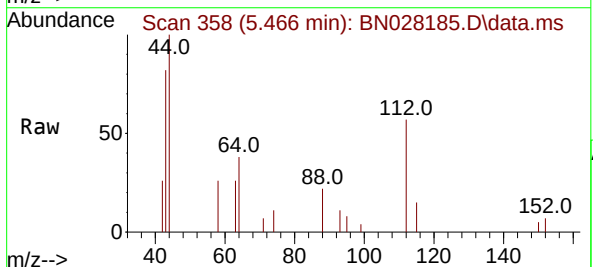
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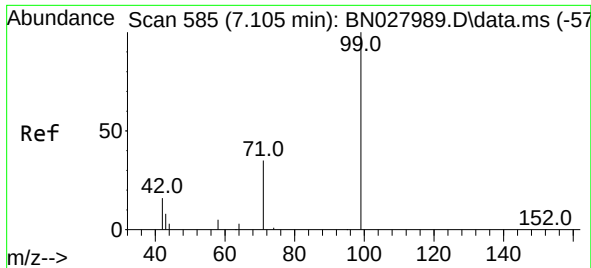
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#4
2-Fluorophenol
Concen: 0.108 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

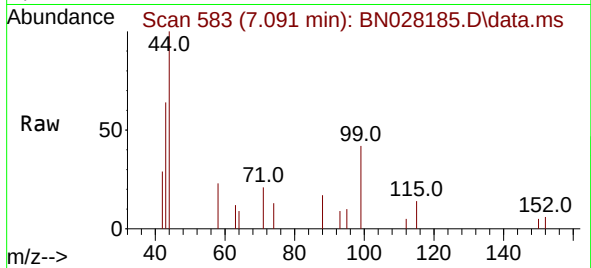
Tgt Ion:112 Resp: 1489
Ion Ratio Lower Upper
112 100
64 61.3 45.0 67.6
63 30.6 23.4 35.0





#5
Phenol-d6
Concen: 0.061 ng
RT: 7.091 min Scan# 583
Delta R.T. -0.000 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

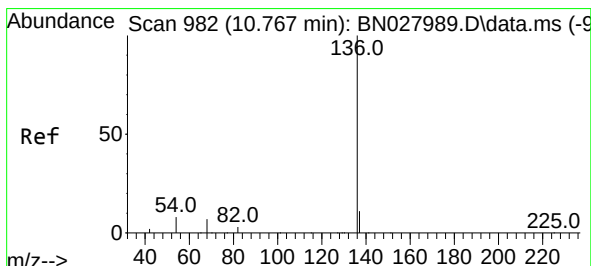
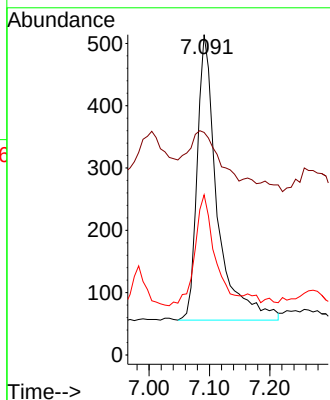
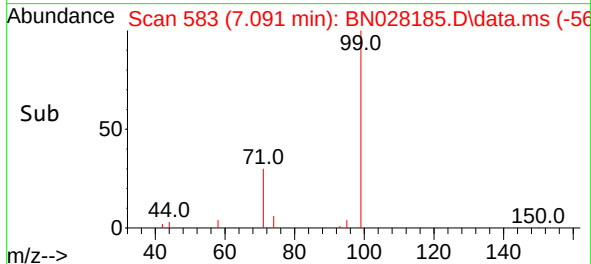
Instrument :
BNA_N
ClientSampleId :
RW4



Tgt Ion: 99 Resp: 1060
Ion Ratio Lower Upper
99 100
42 27.5 14.6 22.0
71 38.8 28.3 42.5

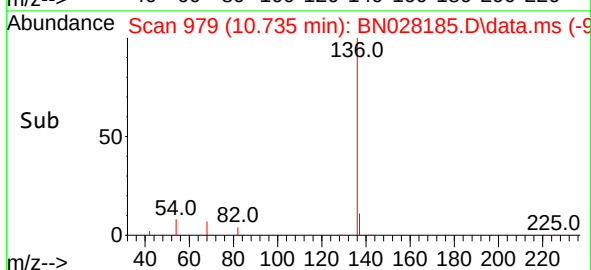
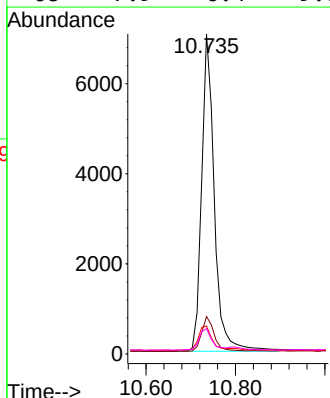
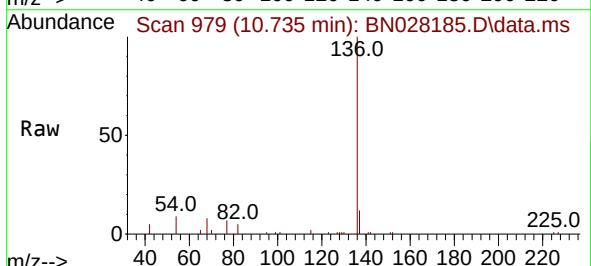
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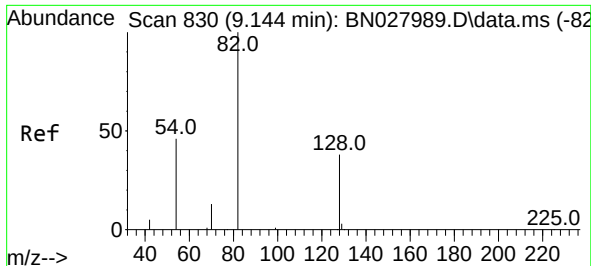
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

Tgt Ion:136 Resp: 13819
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.0
54 8.7 7.0 10.6
68 7.9 6.4 9.6





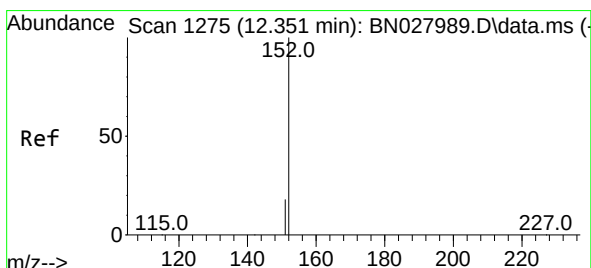
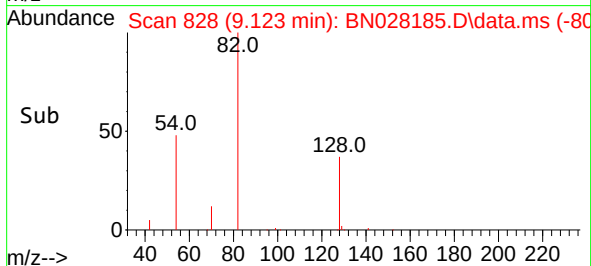
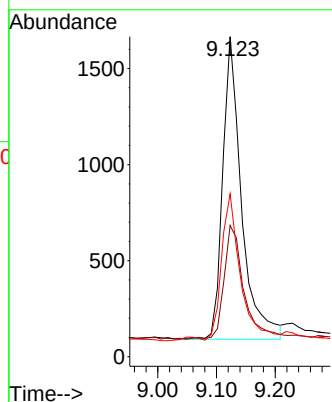
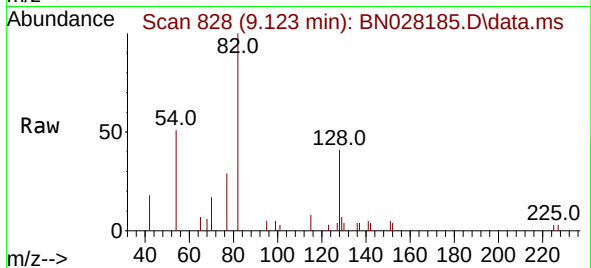
#8
Nitrobenzene-d5
Concen: 0.298 ng
RT: 9.123 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

Instrument :
BNA_N
ClientSampleId :
RW4

Tgt Ion: 82 Resp: 350
Ion Ratio Lower Upper
82 100
128 41.0 32.7 49.1
54 50.9 38.7 58.1

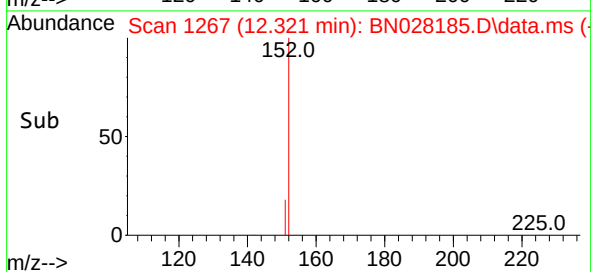
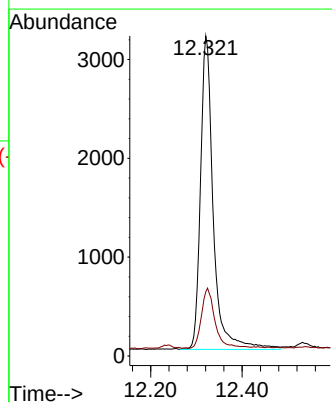
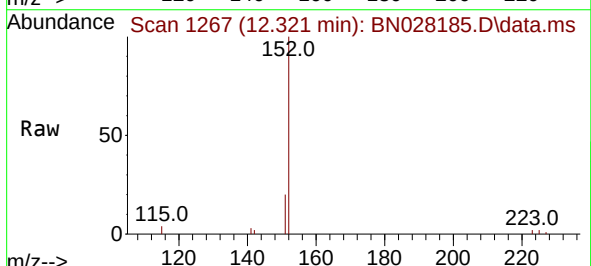
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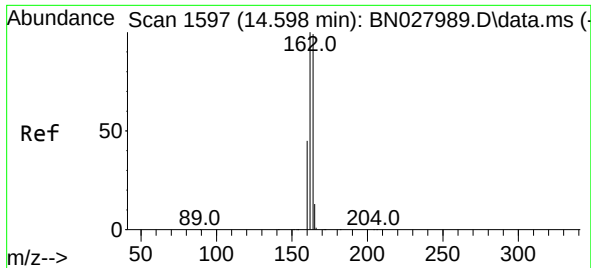
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#11
2-Methylnaphthalene-d10
Concen: 0.300 ng
RT: 12.321 min Scan# 1267
Delta R.T. -0.004 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

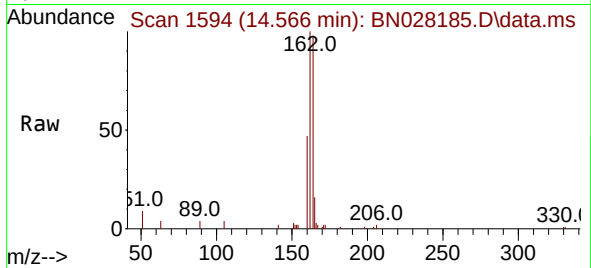
Tgt Ion:152 Resp: 6148
Ion Ratio Lower Upper
152 100
151 20.3 16.5 24.7





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

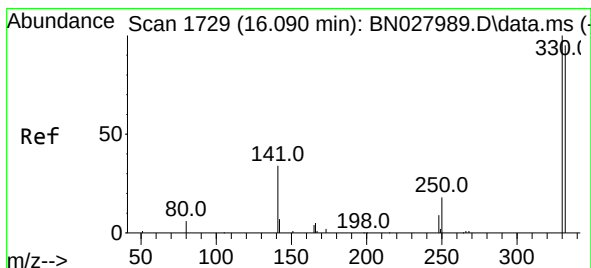
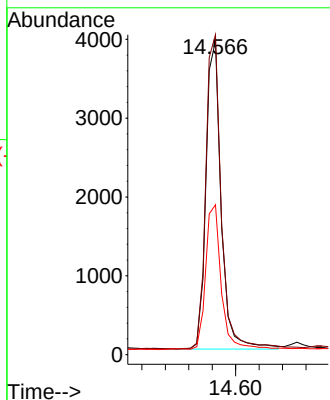
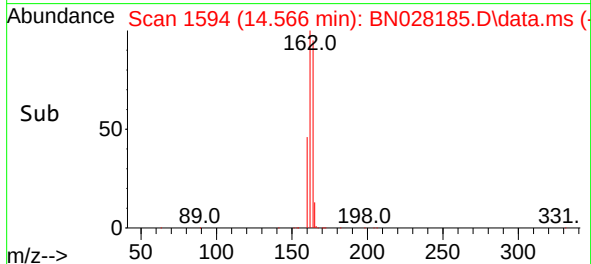
Instrument :
BNA_N
ClientSampleId :
RW4



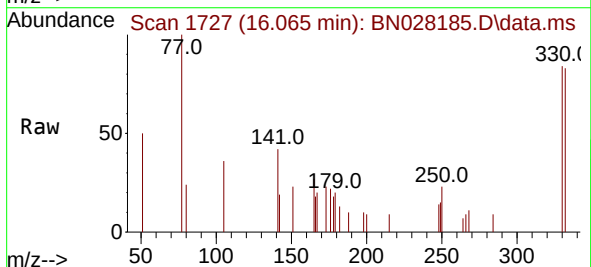
Tgt Ion:164 Resp: 7034
Ion Ratio Lower Upper
164 100
162 102.0 80.8 121.2
160 47.8 36.4 54.6

Manual Integrations
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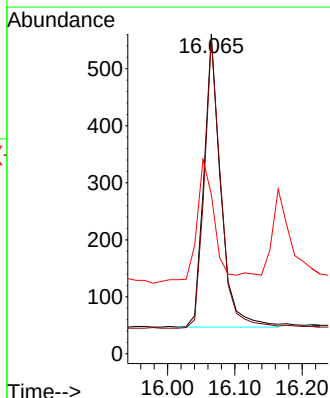
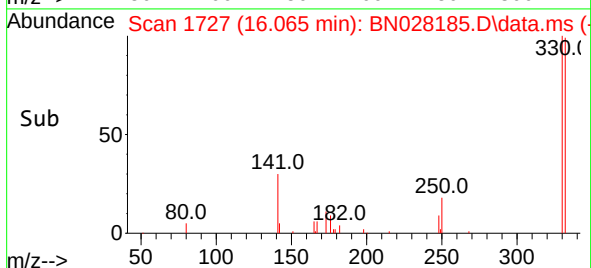
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023

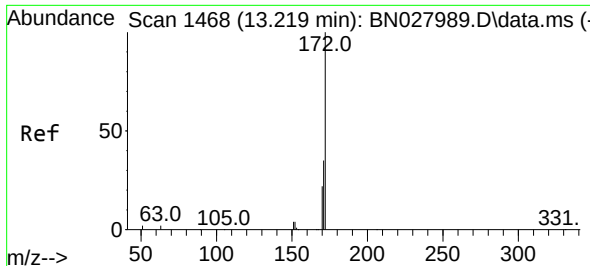


#14
2,4,6-Tribromophenol
Concen: 0.277 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50



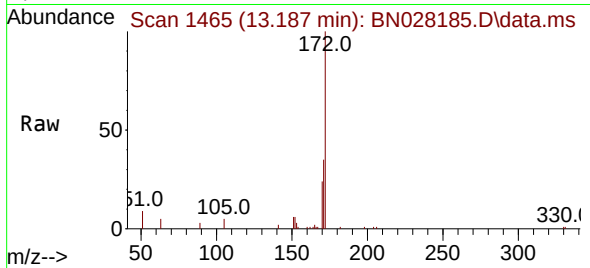
Tgt Ion:330 Resp: 891
Ion Ratio Lower Upper
330 100
332 97.8 78.1 117.1
141 40.1 33.4 50.2





#15
2-Fluorobiphenyl
Concen: 0.362 ng
RT: 13.187 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

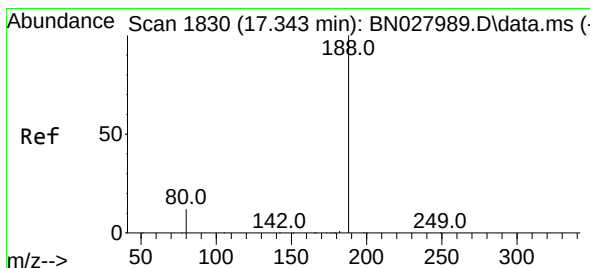
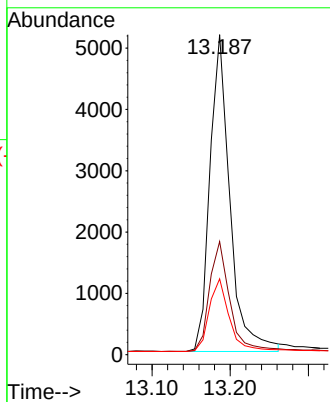
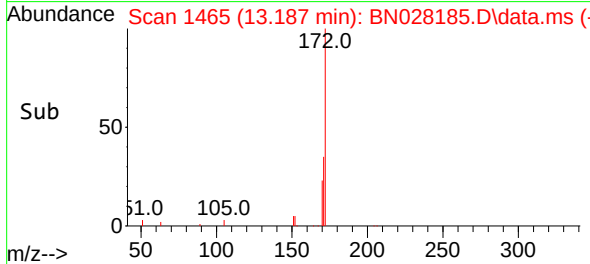
Instrument :
BNA_N
ClientSampleId :
RW4



Tgt Ion:172 Resp: 918
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.7 18.4 27.6

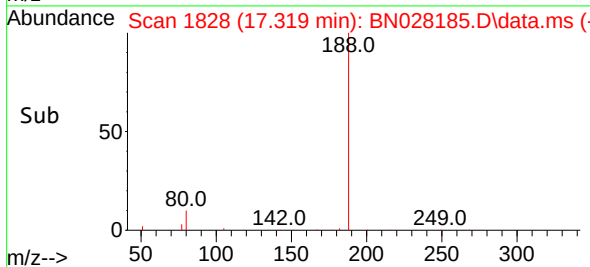
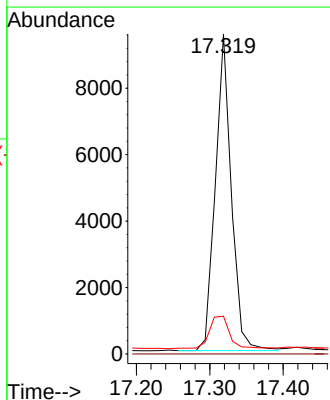
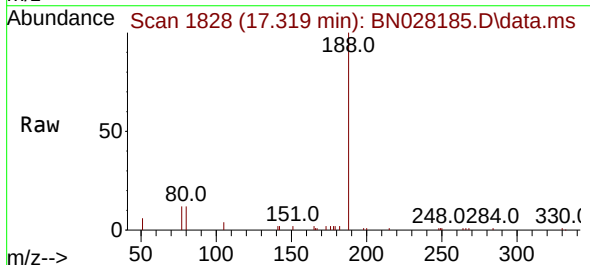
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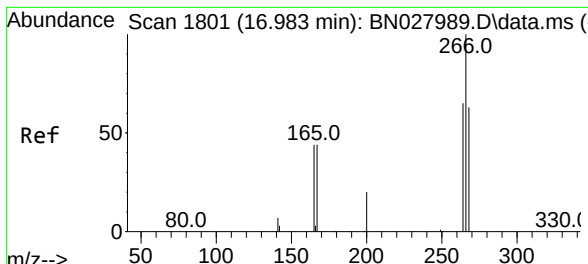
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

Tgt Ion:188 Resp: 14413
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.8 10.2 15.4





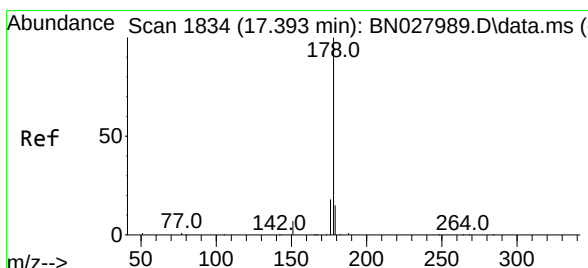
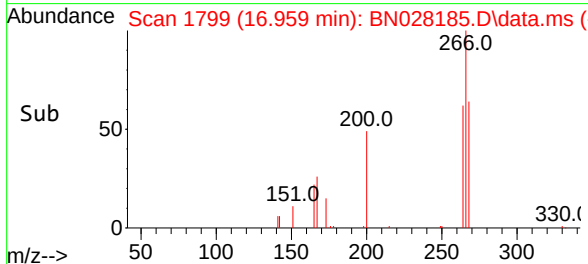
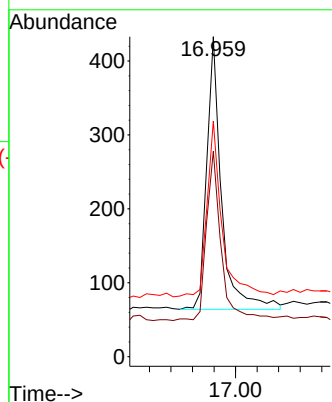
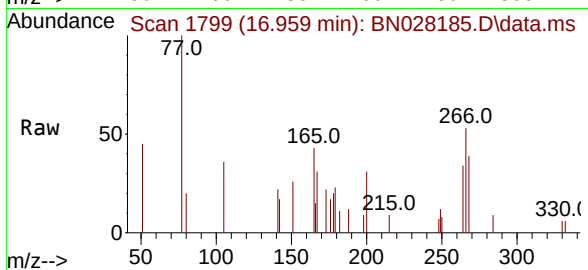
#24
Pentachlorophenol
Concen: 0.189 ng
RT: 16.959 min Scan# 1799
Delta R.T. -0.012 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

Instrument :
BNA_N
ClientSampleId :
RW4

Tgt Ion:266 Resp: 702
Ion Ratio Lower Upper
266 100
264 58.7 52.7 79.1
268 63.8 56.2 84.2

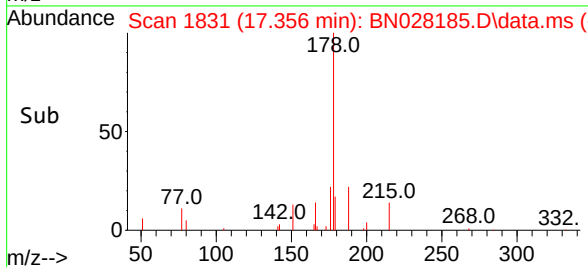
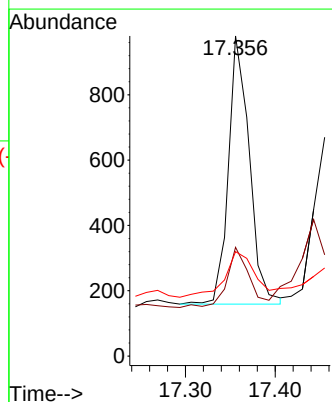
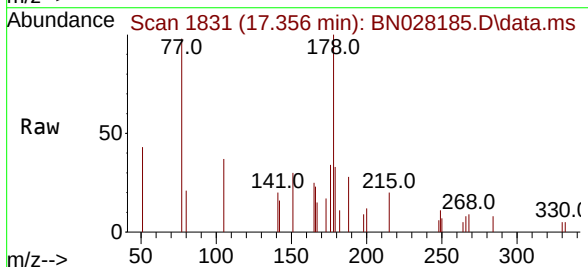
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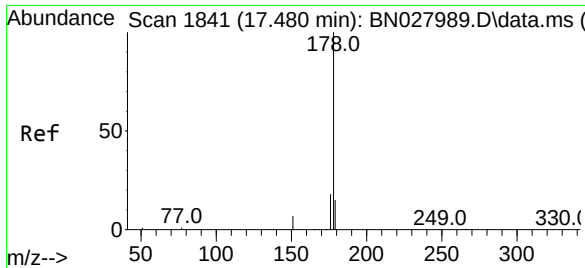
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#25
Phenanthrene
Concen: 0.034 ng
RT: 17.356 min Scan# 1831
Delta R.T. -0.012 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

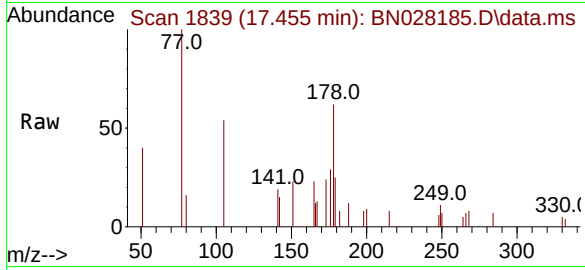
Tgt Ion:178 Resp: 1331
Ion Ratio Lower Upper
178 100
176 24.1 15.3 22.9#
179 25.7 12.4 18.6#





#26
 Anthracene
 Concen: 0.024 ng
 RT: 17.455 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN028185.D
 Acq: 10 Oct 2023 06:50

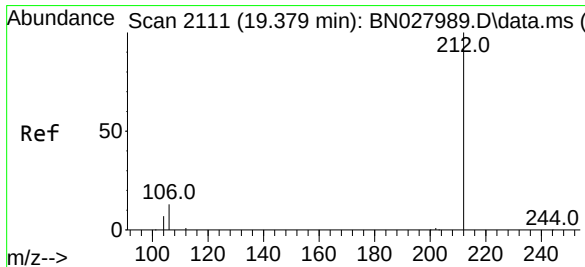
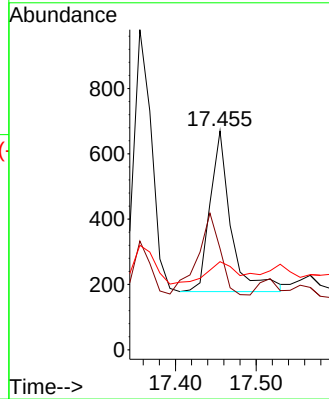
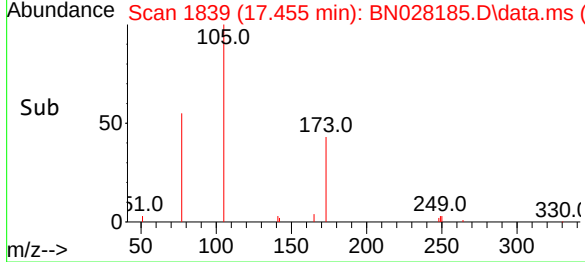
Instrument :
 BNA_N
 ClientSampleId :
 RW4



Tgt Ion:178 Resp: 884
 Ion Ratio Lower Upper
 178 100
 176 55.0 14.7 22.1
 179 19.6 12.2 18.2

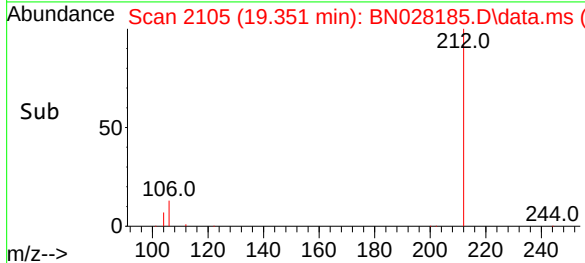
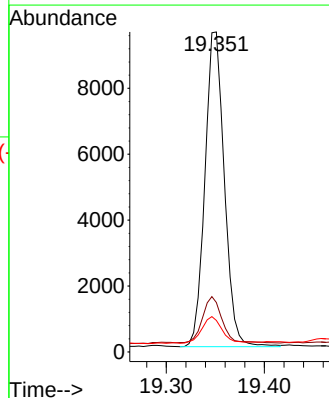
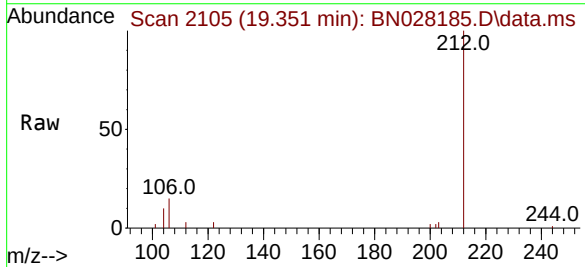
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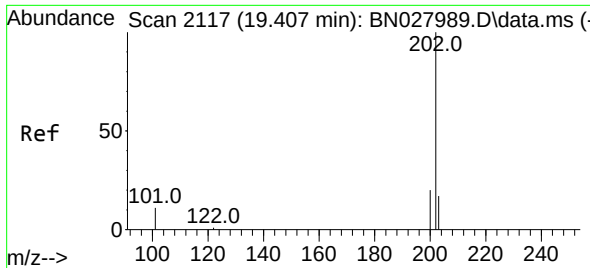
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/11/2023



#27
 Fluoranthene-d10
 Concen: 0.363 ng
 RT: 19.351 min Scan# 2105
 Delta R.T. -0.005 min
 Lab File: BN028185.D
 Acq: 10 Oct 2023 06:50

Tgt Ion:212 Resp: 13133
 Ion Ratio Lower Upper
 212 100
 106 15.0 11.3 16.9
 104 8.9 6.4 9.6





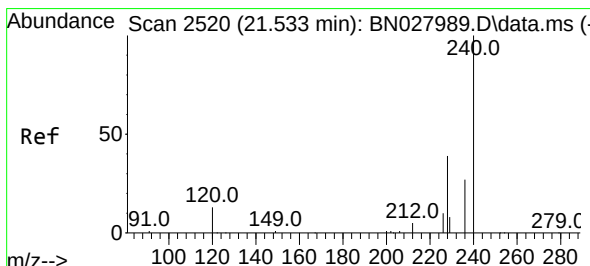
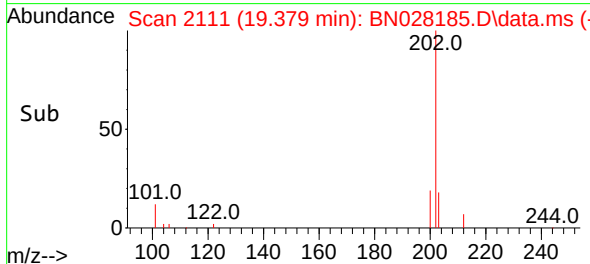
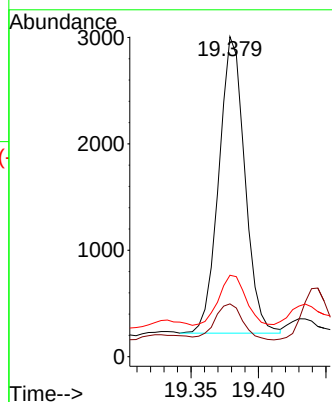
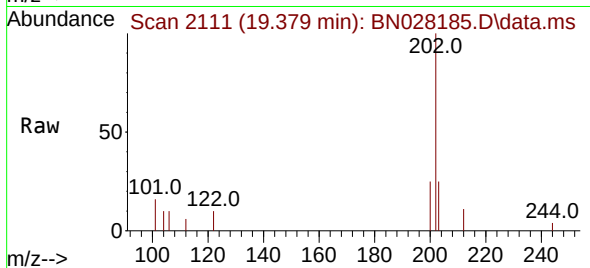
#28
Fluoranthene
Concen: 0.083 ng
RT: 19.379 min Scan# 2111
Delta R.T. -0.005 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

Instrument :
BNA_N
ClientSampleId :
RW4

Tgt Ion:202 Resp: 3729
Ion Ratio Lower Upper
202 100
101 13.1 9.8 14.6
203 17.5 13.8 20.8

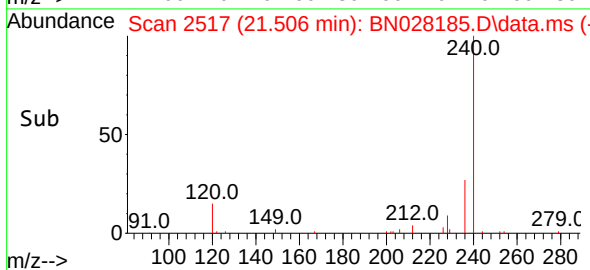
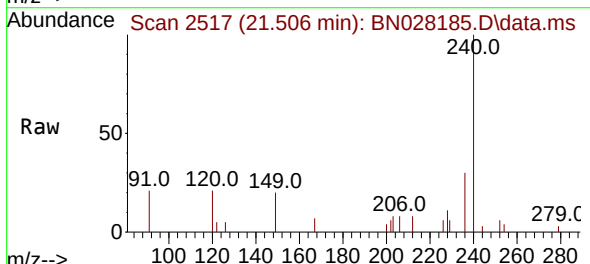
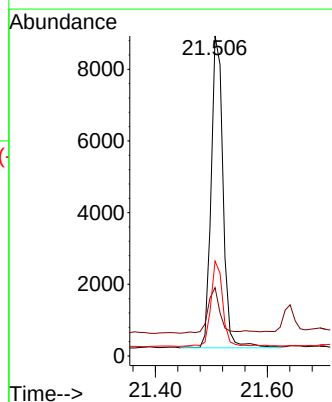
Manual Integrations
APPROVED

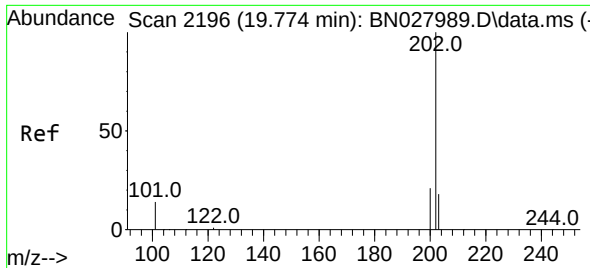
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.506 min Scan# 2517
Delta R.T. -0.009 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

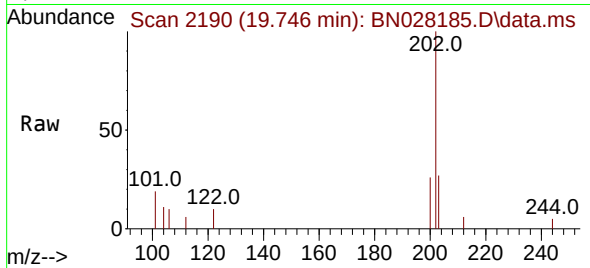
Tgt Ion:240 Resp: 12905
Ion Ratio Lower Upper
240 100
120 21.4 13.8 20.6#
236 29.6 22.6 33.8





#30
Pyrene
Concen: 0.084 ng
RT: 19.746 min Scan# 2196
Delta R.T. -0.005 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

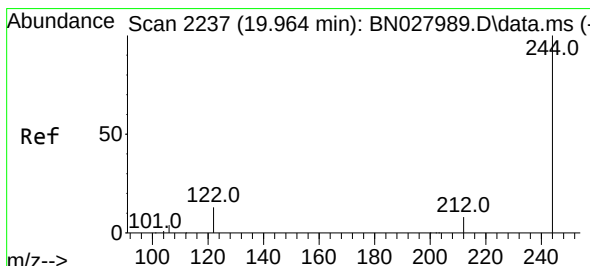
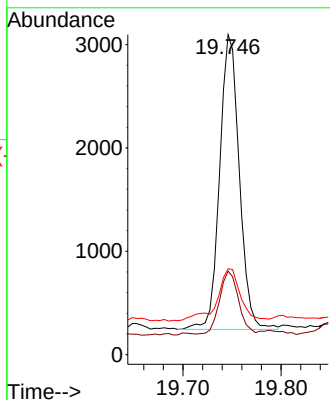
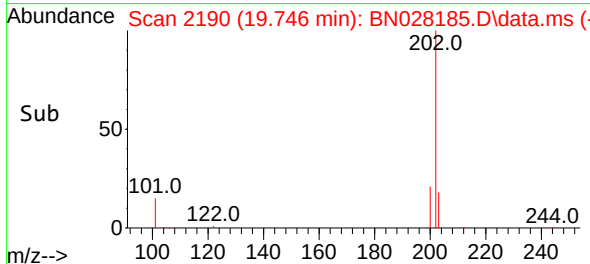
Instrument :
BNA_N
ClientSampleId :
RW4



Tgt Ion:202 Resp: 3970
Ion Ratio Lower Upper
202 100
200 20.4 16.5 24.7
203 20.6 14.7 22.1

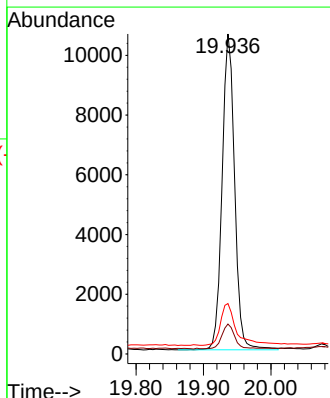
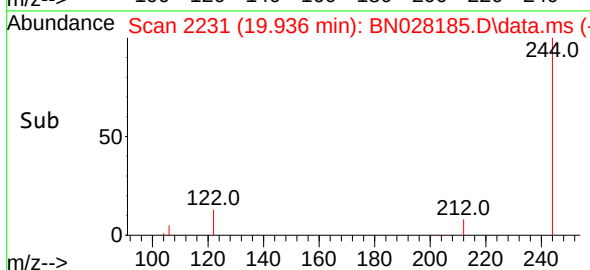
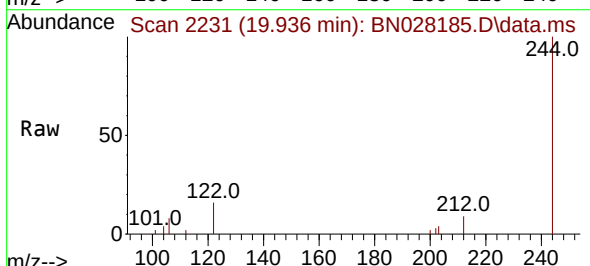
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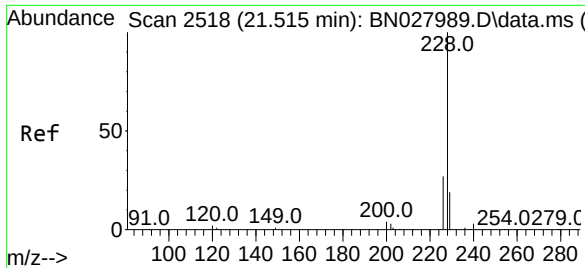
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#31
Terphenyl-d14
Concen: 0.453 ng
RT: 19.936 min Scan# 2231
Delta R.T. -0.005 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

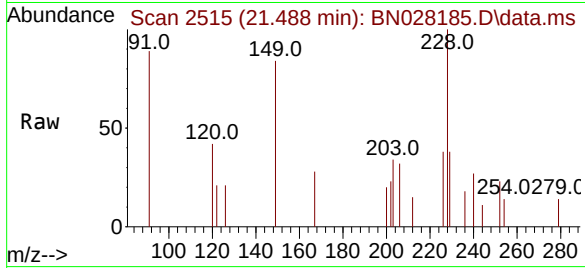
Tgt Ion:244 Resp: 13634
Ion Ratio Lower Upper
244 100
212 9.4 6.6 9.8
122 15.7 11.4 17.0





#32
Benzo(a)anthracene
Concen: 0.076 ng
RT: 21.488 min Scan# 2151
Delta R.T. -0.009 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

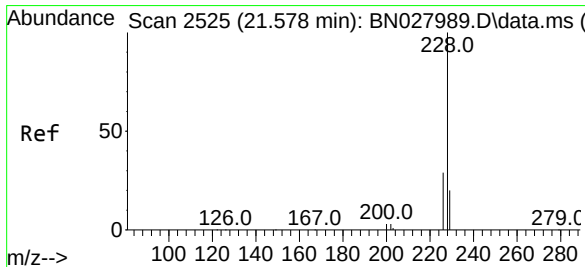
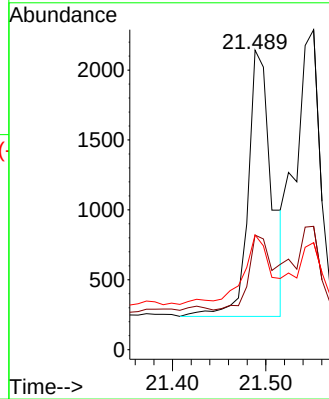
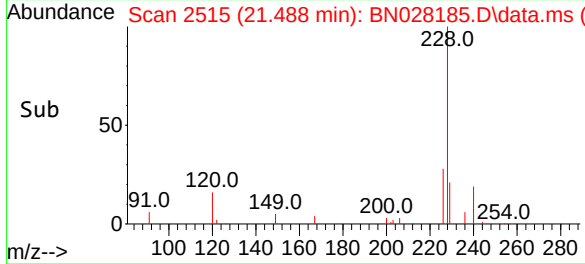
Instrument :
BNA_N
ClientSampleId :
RW4



Tgt Ion:228 Resp: 3358
Ion Ratio Lower Upper
228 100
226 38.2 22.0 33.0#
229 38.3 16.0 24.0#

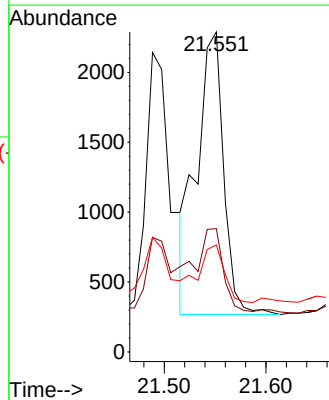
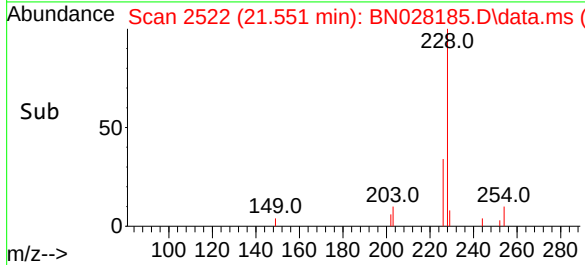
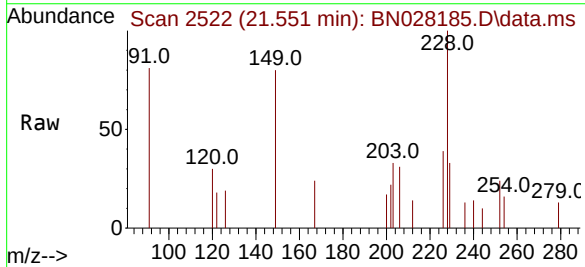
Manual Integrations
APPROVED

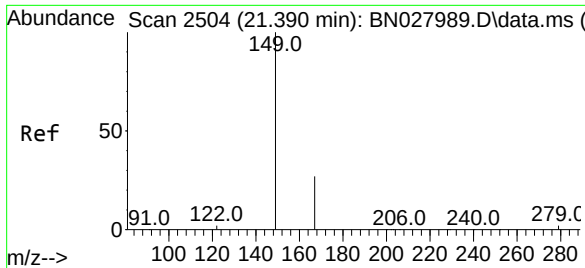
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#33
Chrysene
Concen: 0.088 ng
RT: 21.551 min Scan# 2522
Delta R.T. -0.000 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

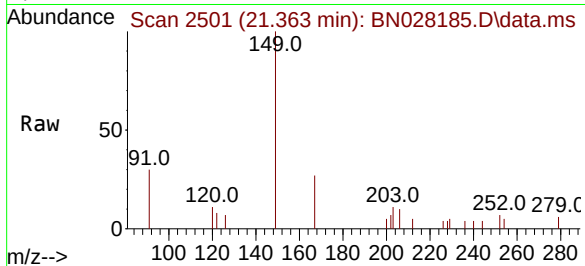
Tgt Ion:228 Resp: 3735
Ion Ratio Lower Upper
228 100
226 38.5 23.8 35.8#
229 33.4 16.6 25.0#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.206 ng
RT: 21.363 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

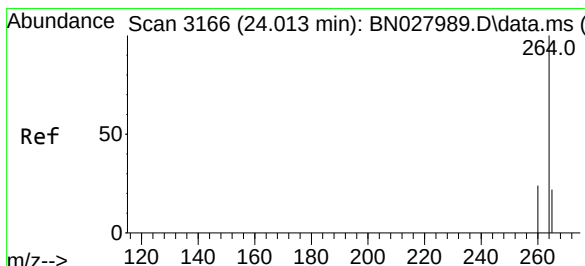
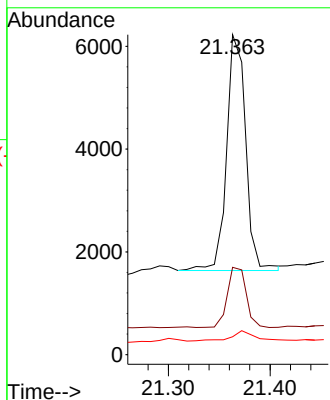
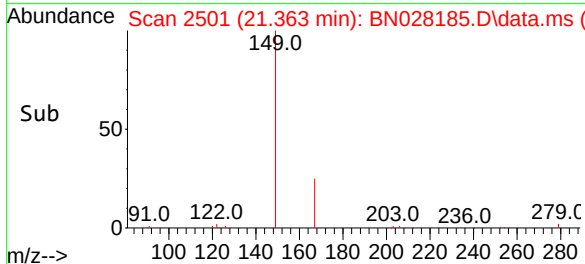
Instrument :
BNA_N
ClientSampleId :
RW4



Tgt Ion:149 Resp: 5949
Ion Ratio Lower Upper
149 100
167 25.2 22.1 33.1
279 5.7 3.4 5.0

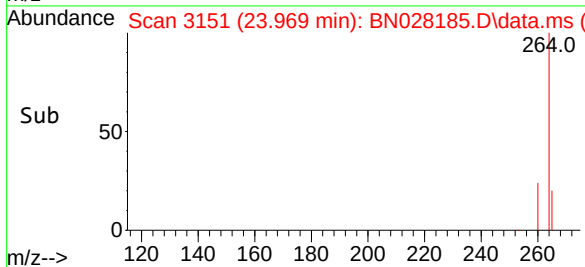
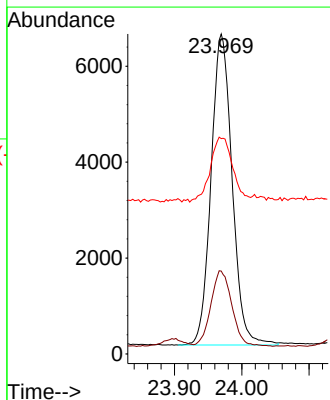
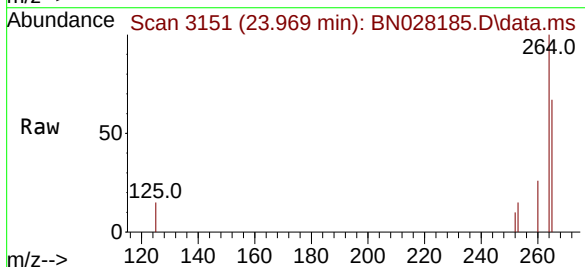
Manual Integrations
APPROVED

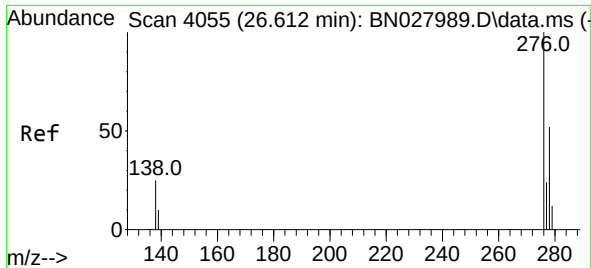
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.969 min Scan# 3151
Delta R.T. -0.006 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

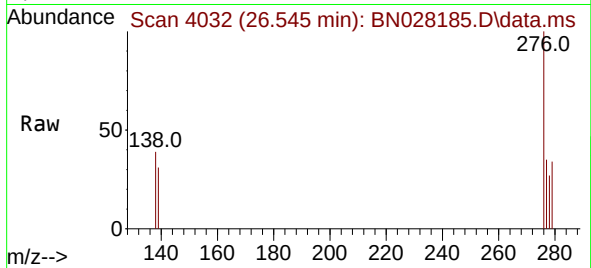
Tgt Ion:264 Resp: 14095
Ion Ratio Lower Upper
264 100
260 25.9 20.2 30.4
265 67.3 54.8 82.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.071 ng
RT: 26.545 min Scan# 4055
Delta R.T. -0.012 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

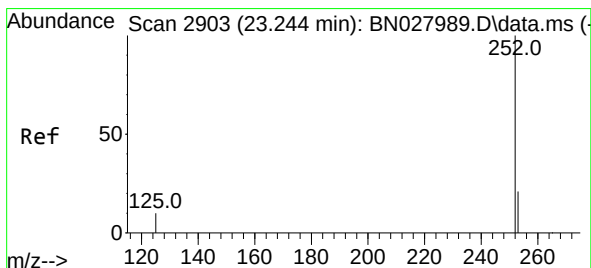
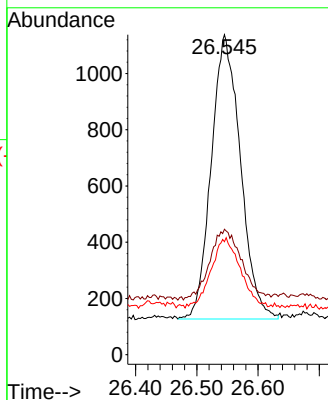
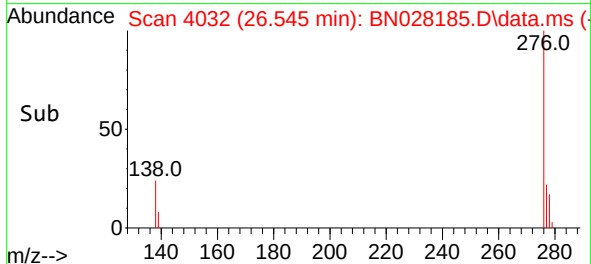
Instrument :
BNA_N
ClientSampleId :
RW4



Tgt Ion:276 Resp: 3348
Ion Ratio Lower Upper
276 100
138 27.2 20.9 31.3
277 25.0 19.8 29.6

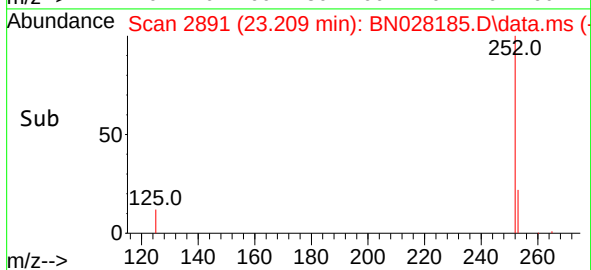
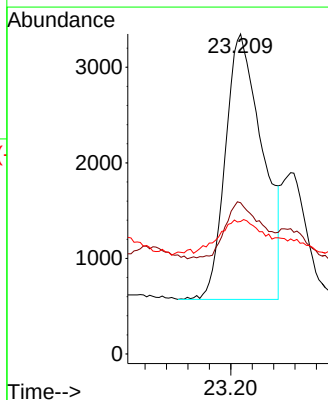
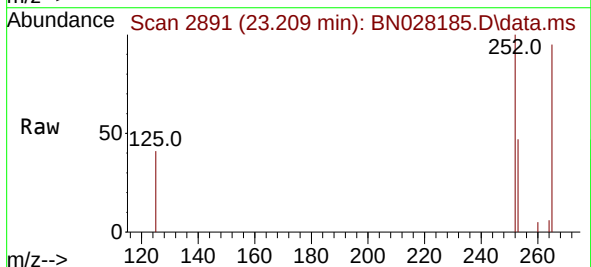
Manual Integrations
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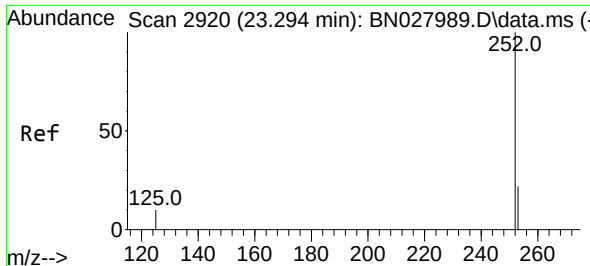
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#37
Benzo(b)fluoranthene
Concen: 0.146 ng
RT: 23.209 min Scan# 2891
Delta R.T. -0.003 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

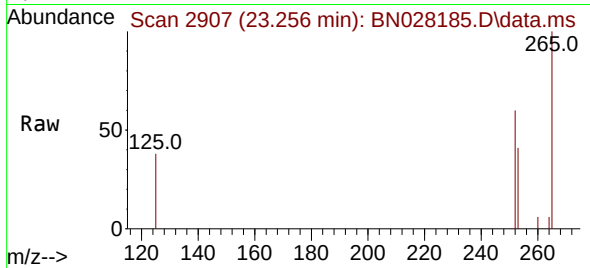
Tgt Ion:252 Resp: 6646
Ion Ratio Lower Upper
252 100
253 47.3 22.9 34.3#
125 41.4 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 0.048 ng m
RT: 23.256 min Scan# 2920
Delta R.T. -0.006 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

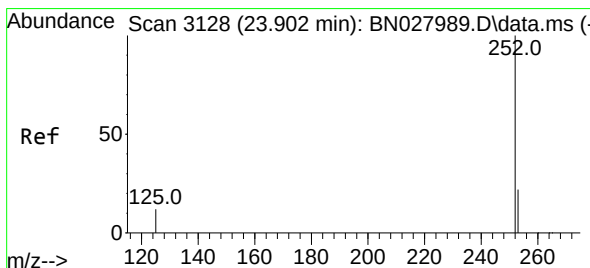
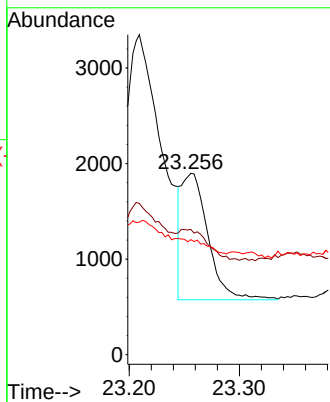
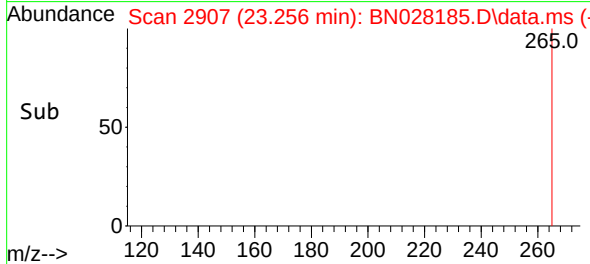
Instrument :
BNA_N
ClientSampleId :
RW4



Tgt Ion:252 Resp: 222
Ion Ratio Lower Upper
252 100
253 69.1 23.1 34.7
125 63.5 13.8 20.8

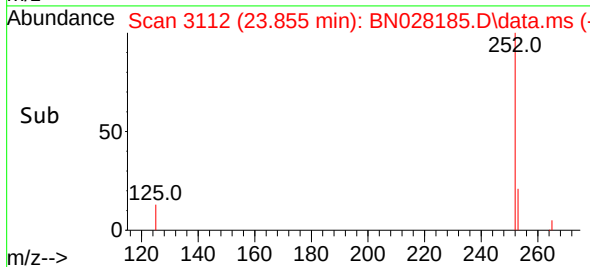
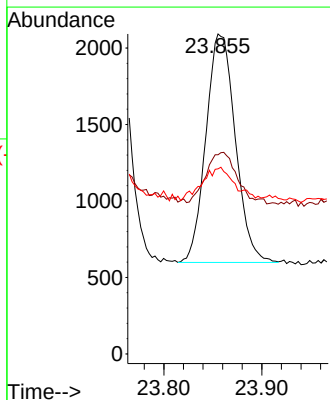
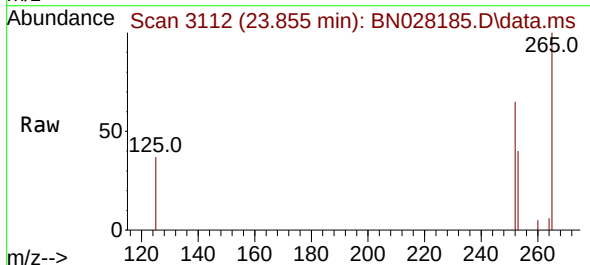
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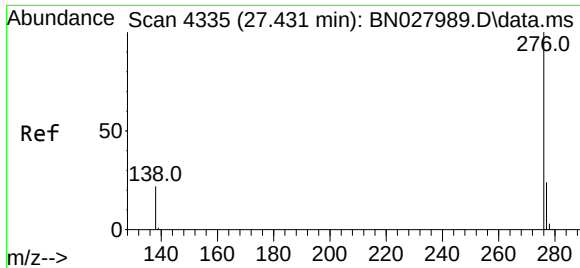
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#39
Benzo(a)pyrene
Concen: 0.073 ng
RT: 23.855 min Scan# 3112
Delta R.T. -0.009 min
Lab File: BN028185.D
Acq: 10 Oct 2023 06:50

Tgt Ion:252 Resp: 3121
Ion Ratio Lower Upper
252 100
253 62.2 25.0 37.4#
125 57.8 16.6 24.8#





#41

Benzo(g,h,i)perylene

Concen: 0.089 ng

RT: 27.355 min Scan# 41

Delta R.T. -0.012 min

Lab File: BN028185.D

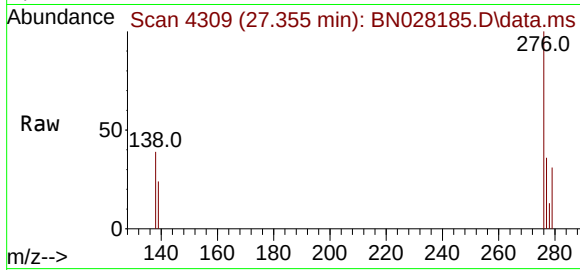
Acq: 10 Oct 2023 06:50

Instrument :

BNA_N

ClientSampleId :

RW4



Tgt Ion:276 Resp: 3530

Ion Ratio Lower Upper

276 100

277 36.2 22.1 33.1

138 38.6 20.8 31.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/11/2023

